

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071219\
 Data File : BF115542.D
 Acq On : 12 Jul 2019 22:26
 Operator : HP/JU
 Sample : K3621-02MS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-071019-AMS

Manual Integrations
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 7/15/2019 2:57:35 PM

Quant Time: Jul 13 03:26:32 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 12 14:03:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	168246	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	638013	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	307498	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	538891	20.00	ng	0.00
76) Chrysene-d12	14.04	240	339692	20.00	ng	0.00
87) Perylene-d12	15.52	264	379381	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.53	112	1089842	105.96	ng	0.02
7) Phenol-d6	6.52	99	1293354	99.10	ng	0.00
23) Nitrobenzene-d5	7.45	82	1032807	94.13	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	434336	121.01	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1889197	107.53	ng	0.00
79) Terphenyl-d14	12.99	244	1702794	92.49	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.89	88	169919	33.118	ng	# 87
3) Pyridine	3.58	79	359840	25.850	ng	98
4) n-Nitrosodimethylamine	3.51	42	180537	35.750	ng	99
6) Aniline	6.55	93	158612	8.733	ng	99
8) 2-Chlorophenol	6.67	128	468449	39.612	ng	98
9) Benzaldehyde	6.43	77	229392	28.126	ng	99
10) Phenol	6.53	94	468553	30.926	ng	79
11) bis(2-Chloroethyl)ether	6.62	93	459782	39.859	ng	99
12) 1,3-Dichlorobenzene	6.83	146	524096	39.418	ng	99
13) 1,4-Dichlorobenzene	6.90	146	526039	39.653	ng	98
14) 1,2-Dichlorobenzene	7.06	146	493224	40.672	ng	98
15) Benzyl Alcohol	7.02	79	424548	41.005	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.16	45	607512	40.003	ng	96
17) 2-Methylphenol	7.14	107	395396	38.797	ng	98
18) Hexachloroethane	7.40	117	185322	37.637	ng	98
19) n-Nitroso-di-n-propylamine	7.30	70	340267	39.975	ng	98
20) 3+4-Methylphenols	7.29	107	460706	38.058	ng	95
22) Acetophenone	7.29	105	664325	46.090	ng	# 96
24) Nitrobenzene	7.46	77	525179	44.376	ng	96
25) Isophorone	7.70	82	962804	43.851	ng	98
26) 2-Nitrophenol	7.78	139	263210	43.209	ng	98
27) 2,4-Dimethylphenol	7.82	122	446405	48.978	ng	100
28) bis(2-Chloroethoxy)methane	7.92	93	591153	43.888	ng	99
29) 2,4-Dichlorophenol	8.02	162	420755	44.388	ng	99
30) 1,2,4-Trichlorobenzene	8.11	180	466220	43.512	ng	99
31) Naphthalene	8.19	128	1409165	45.605	ng	97
32) Benzoic acid	7.92	122	160713	21.486	ng	99
33) 4-Chloroaniline	8.23	127	94341	6.893	ng	98
34) Hexachlorobutadiene	8.31	225	262868	42.781	ng	99
35) Caprolactam	8.60	113	93960m	32.078	ng	
36) 4-Chloro-3-methylphenol	8.72	107	433730	44.111	ng	99
37) 2-Methylnaphthalene	8.88	142	937860	45.789	ng	98
38) 1-Methylnaphthalene	8.98	142	892492	45.875	ng	98
40) 1,2,4,5-Tetrachlorobenzene	9.05	216	435098	46.988	ng	99

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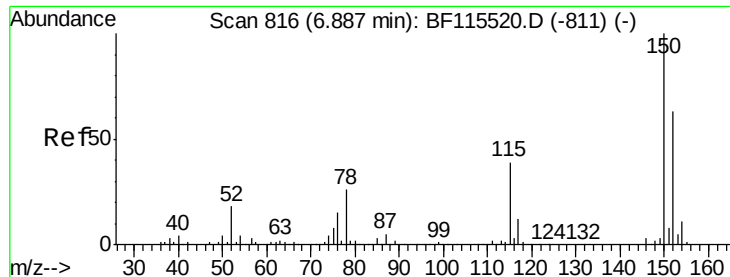
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.04	237	240705	45.569	nq	98
43) 2,4,6-Trichlorophenol	9.16	196	307681	45.437	nq	98
44) 2,4,5-Trichlorophenol	9.20	196	311600	44.932	nq	99
46) 1,1'-Biphenyl	9.35	154	1148818	47.788	nq	98
47) 2-Chloronaphthalene	9.37	162	903229	45.123	nq	98
48) 2-Nitroaniline	9.46	65	270899	43.725	nq	94
49) Acenaphthylene	9.79	152	1356721	45.742	nq	98
50) Dimethylphthalate	9.65	163	1068547	46.187	nq	99
51) 2,6-Dinitrotoluene	9.70	165	239108	45.478	nq	90
52) Acenaphthene	9.96	154	851876	44.487	nq	99
53) 3-Nitroaniline	9.87	138	102769	17.105	nq	95
54) 2,4-Dinitrophenol	9.97	184	94074	34.850	nq	94
55) Dibenzofuran	10.13	168	1213681	44.631	nq	98
56) 4-Nitrophenol	10.03	139	325871	71.127	nq	99
57) 2,4-Dinitrotoluene	10.11	165	310386	45.568	nq	# 86
58) Fluorene	10.47	166	881469	45.342	nq	97
59) 2,3,4,6-Tetrachlorophenol	10.24	232	254416	43.886	nq	99
60) Diethylphthalate	10.35	149	1014763	46.814	nq	99
61) 4-Chlorophenyl-phenylether	10.46	204	465388	43.168	nq	97
62) 4-Nitroaniline	10.49	138	222982	38.691	nq	99
63) Azobenzene	10.62	77	966110	45.949	nq	96
65) 4,6-Dinitro-2-methylphenol	10.52	198	81969	24.896	nq	92
66) n-Nitrosodiphenylamine	10.58	169	829741	49.498	nq	99
67) 4-Bromophenyl-phenylether	10.95	248	288013	46.769	nq	97
68) Hexachlorobenzene	11.03	284	307018	43.656	nq	97
69) Atrazine	11.10	200	265617	48.301	nq	99
70) Pentachlorophenol	11.22	266	310785	72.253	nq	99
71) Phenanthrene	11.43	178	1268099	45.907	nq	98
72) Anthracene	11.49	178	1288865	45.148	nq	100
73) Carbazole	11.63	167	1122914	44.856	nq	99
74) Di-n-butylphthalate	11.97	149	1471169	47.709	nq	99
75) Fluoranthene	12.62	202	1220068	41.797	nq	99
77) Benzidine	12.73	184	143931	11.961	nq	99
78) Pyrene	12.85	202	1213554	42.167	nq	98
80) Butylbenzylphthalate	13.46	149	555189	45.252	nq	95
81) Benzo(a)anthracene	14.04	228	990122	44.243	nq	96
82) 3,3'-Dichlorobenzidine	13.99	252	188534	23.698	nq	99
83) Chrysene	14.07	228	993443	44.221	nq	98
84) Bis(2-ethylhexyl)phthalate	14.03	149	735843	48.420	nq	99
85) Di-n-octyl phthalate	14.64	149	1250402	51.712	nq	99
86) Indeno(1,2,3-cd)pyrene	17.00	276	903907	47.359	nq	100
88) Benzo(b)fluoranthene	15.09	252	1042068	42.657	nq	99
89) Benzo(k)fluoranthene	15.12	252	971742	44.617	nq	99
90) Benzo(a)pyrene	15.46	252	950233	45.257	nq	99
91) Dibenzo(a,h)anthracene	17.02	278	763171	41.403	nq	99
92) Benzo(g,h,i)perylene	17.44	276	712431	38.754	nq	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

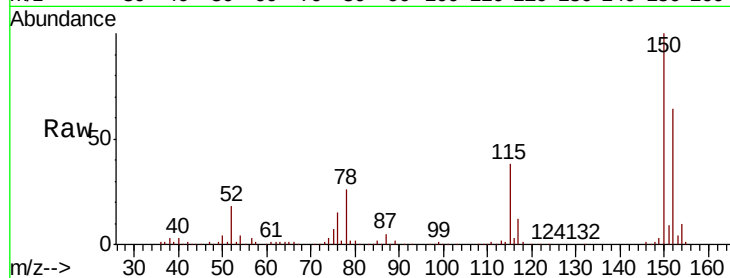
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.00 min
Lab File: BF115542.D
Acq: 12 Jul 2019 22:26

Instrument :
BNA_F
ClientSampleId :
OK-03-071019-AMS

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	129.7	194.5
115	59.5	48.2	72.4

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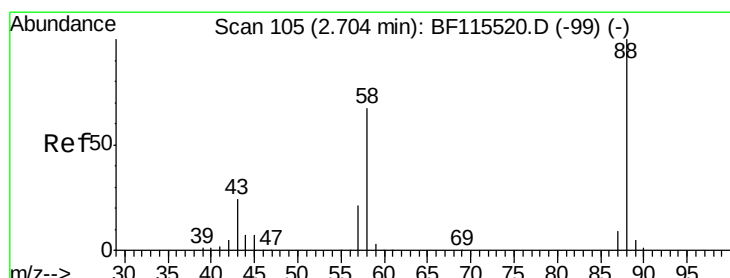
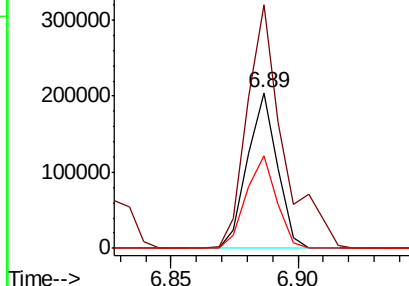
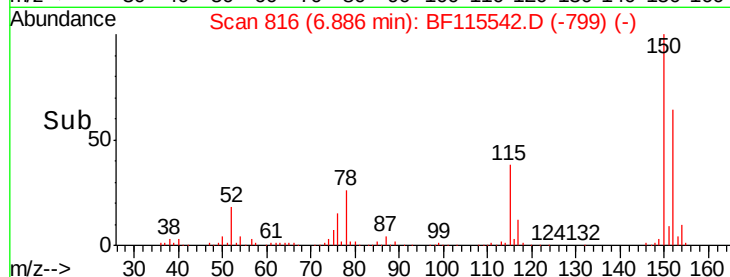


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

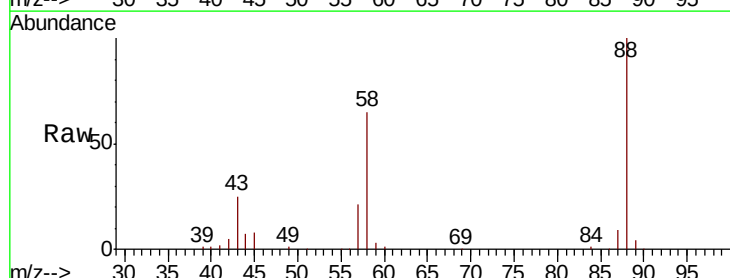
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 33.118 ng
RT: 2.89 min Scan# 136
Delta R.T. 0.18 min
Lab File: BF115542.D
Acq: 12 Jul 2019 22:26

Tgt Ion	Ratio	Lower	Upper
88	100		
58	66.0	52.6	79.0
43	0.0	19.1	28.7#

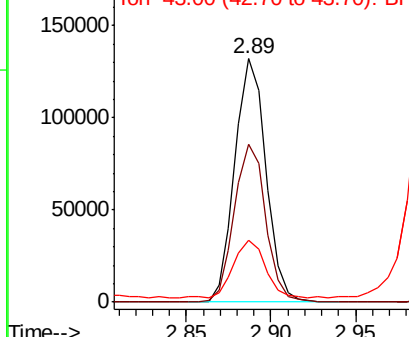
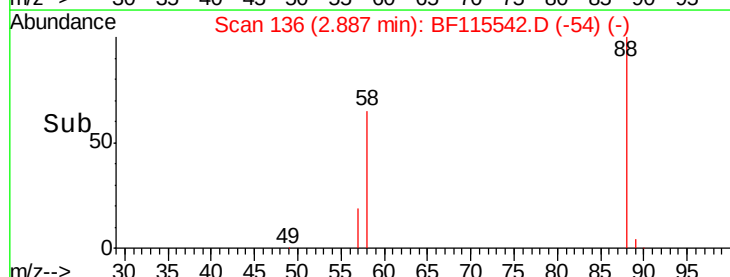


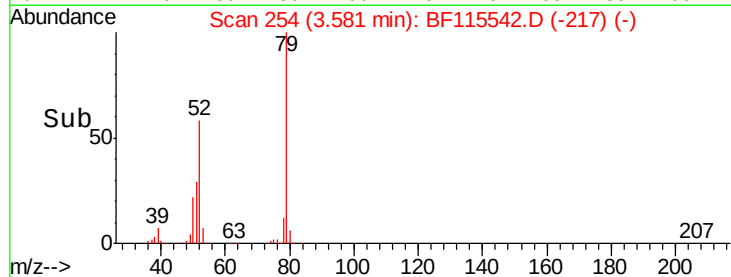
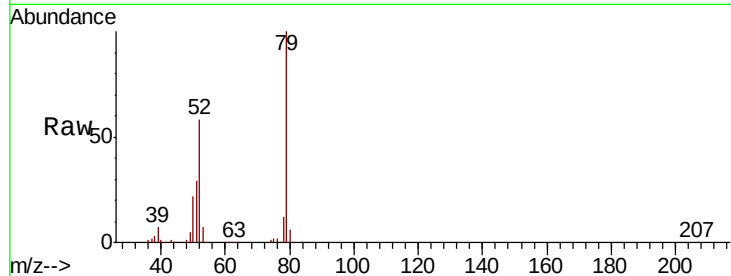
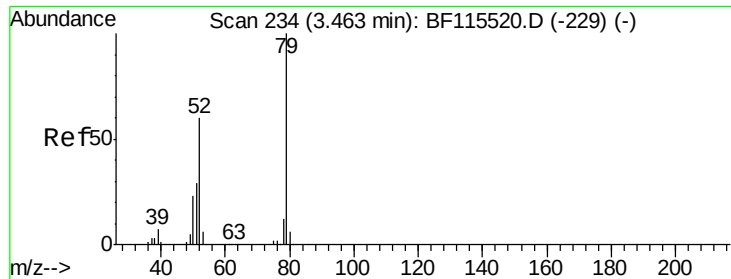
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





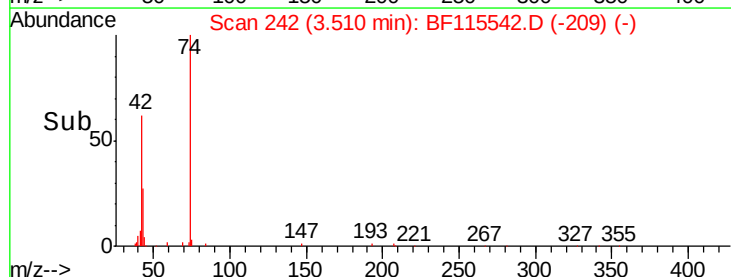
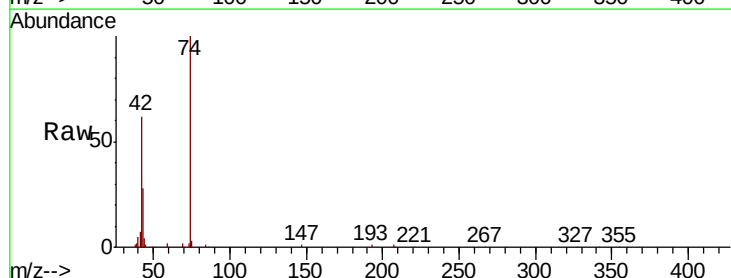
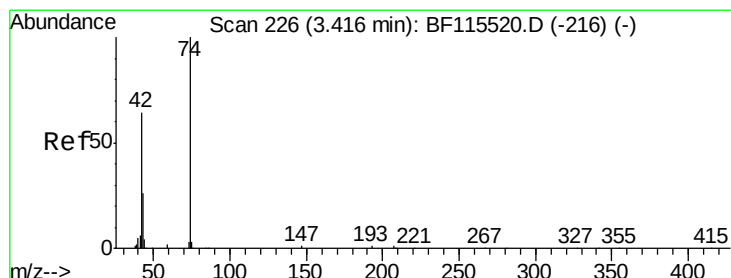
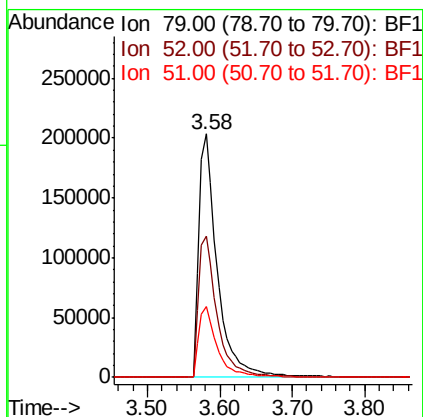
#3
Pvridine
Concen: 25.850 ng
RT: 3.58 min Scan# 254
Delta R.T. 0.12 min
Lab File: BF115542.D
Acq: 12 Jul 2019 22:26

Tot Ion	Ratio	Lower	Upper
79	100		
52	57.9	47.8	71.6
51	29.0	23.8	35.8

Instrument :
BNA_F
ClientSampleId :
OK-03-071019-AMS

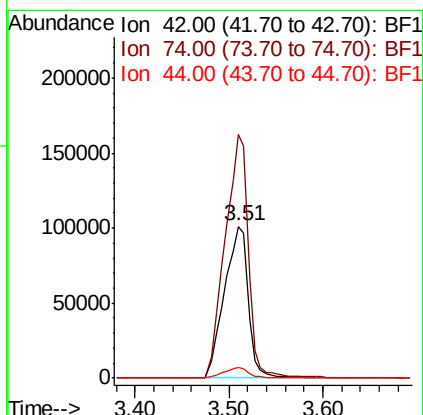
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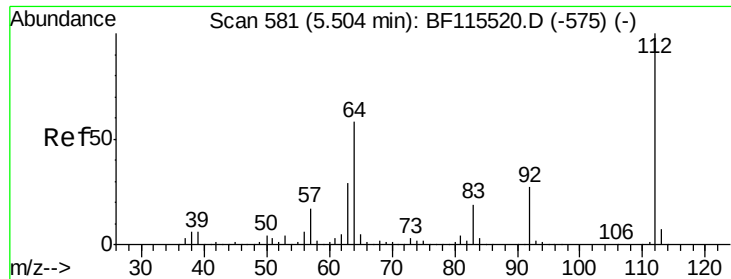
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#4
n-Nitrosodimethylamine
Concen: 35.750 ng
RT: 3.51 min Scan# 242
Delta R.T. 0.09 min
Lab File: BF115542.D
Acq: 12 Jul 2019 22:26

Tgt Ion	Ratio	Lower	Upper
42	100		
74	160.5	127.5	191.3
44	6.7	5.0	7.6





#5

2-Fluorophenol

Concen: 105.956 ng

RT: 5.53 min Scan# 585

Delta R.T. 0.02 min

Lab File: BF115542.D

Acq: 12 Jul 2019 22:26

Instrument :

BNA_F

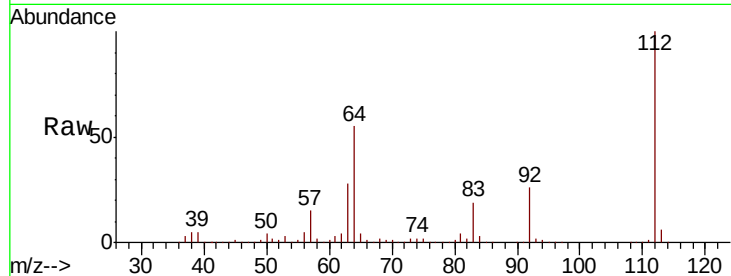
ClientSampleId :

OK-03-071019-AMS

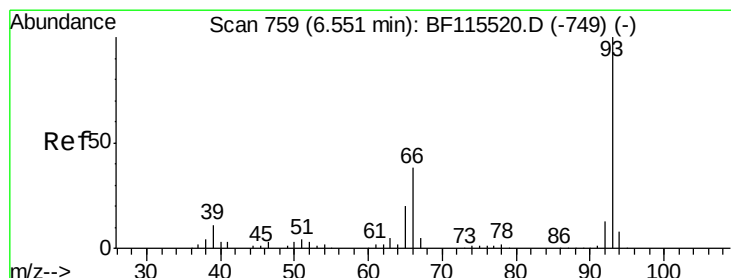
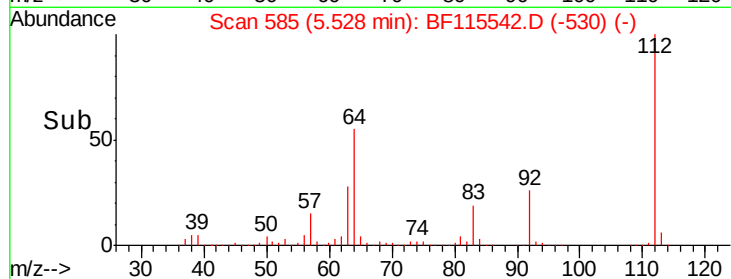
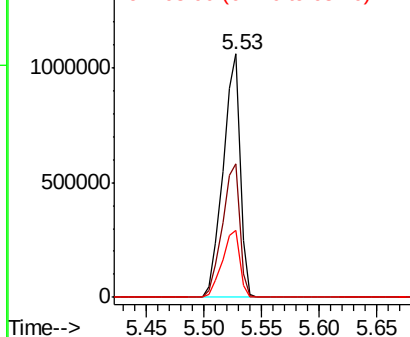
Tot Ion:	112	Resp:	1089842
Ion	Ratio	Lower	Upper
112	100		
64	55.1	46.8	70.2
63	27.7	24.1	36.1

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Abundance Ion 112.00 (111.70 to 112.70): BF1
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 8.733 ng

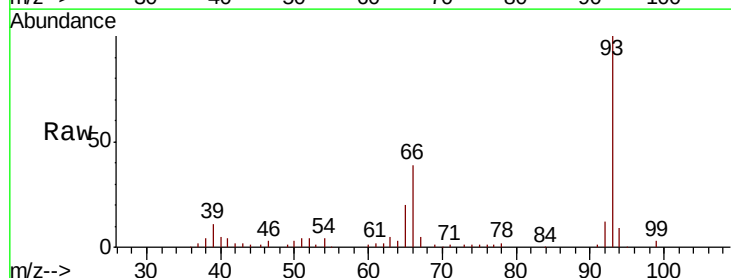
RT: 6.55 min Scan# 759

Delta R.T. -0.00 min

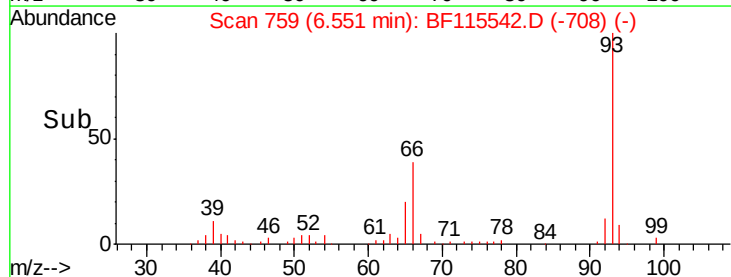
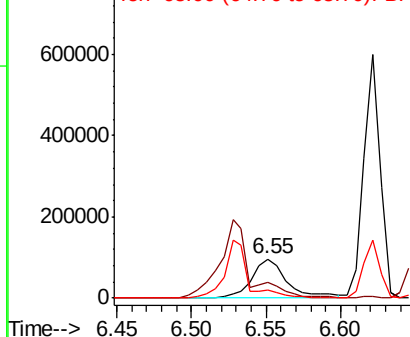
Lab File: BF115542.D

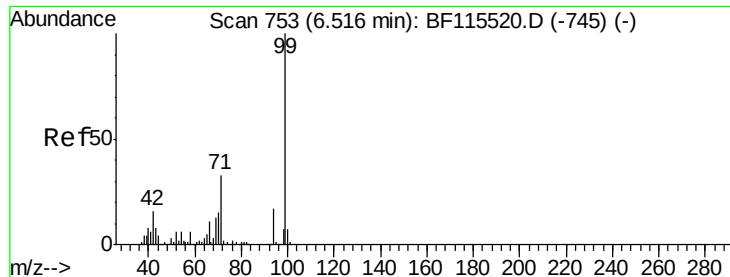
Acq: 12 Jul 2019 22:26

Tgt Ion:	93	Resp:	158612
Ion	Ratio	Lower	Upper
93	100		
66	38.7	31.7	47.5
65	19.9	16.2	24.2



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 66.00 (65.70 to 66.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 99.096 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF115542.D

Acq: 12 Jul 2019 22:26

Instrument :

BNA_F

ClientSampleId :

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Tot Ion: 99 Resp: 1293354

Ion Ratio Lower Upper

99 100

42 16.1 13.6 20.4

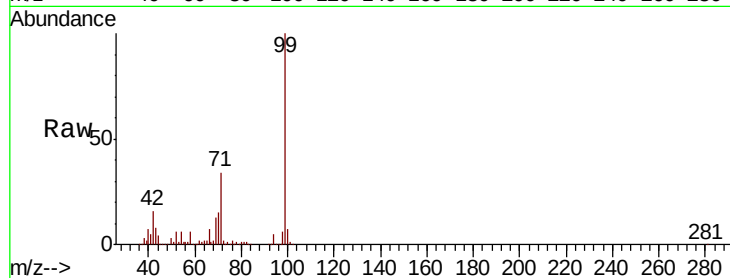
71 33.8 28.5 42.7

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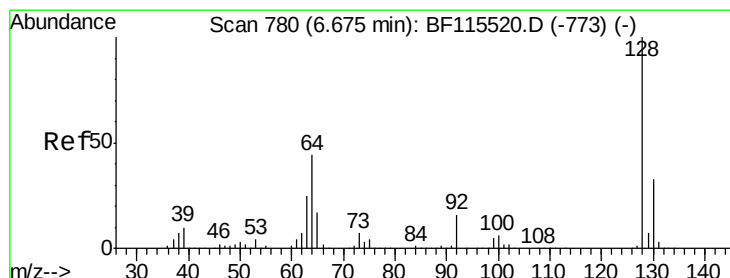
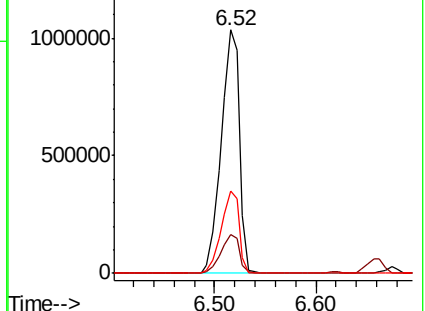
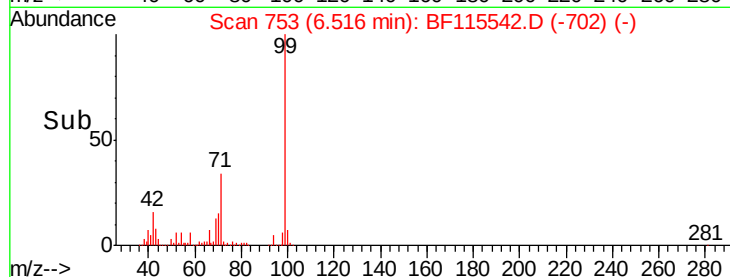
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 39.612 ng

RT: 6.67 min Scan# 780

Delta R.T. -0.00 min

Lab File: BF115542.D

Acq: 12 Jul 2019 22:26

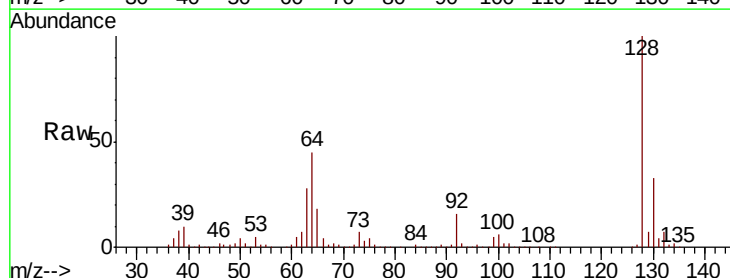
Tgt Ion: 128 Resp: 468449

Ion Ratio Lower Upper

128 100

130 32.5 12.8 52.8

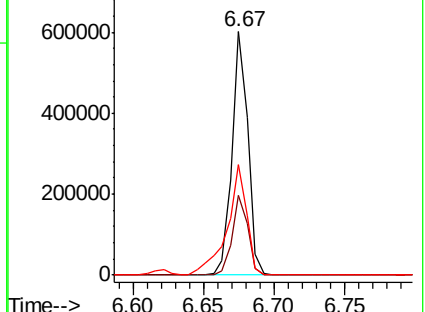
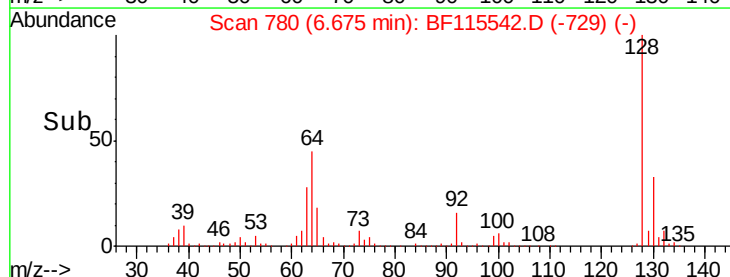
64 45.2 26.8 66.8

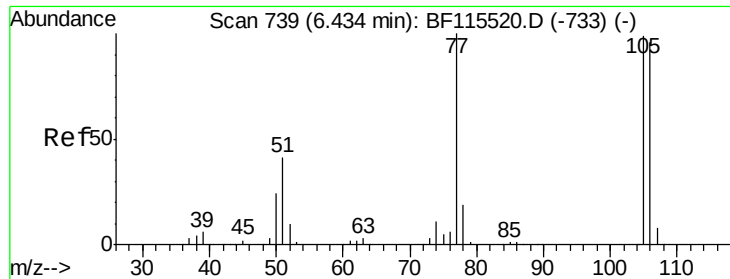


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 28.126 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF115542.D

Acq: 12 Jul 2019 22:26

Instrument :

BNA_F

ClientSampleId :

OK-03-071019-AMS

Tot Ion: 77 Resp: 229392

Ion Ratio Lower Upper

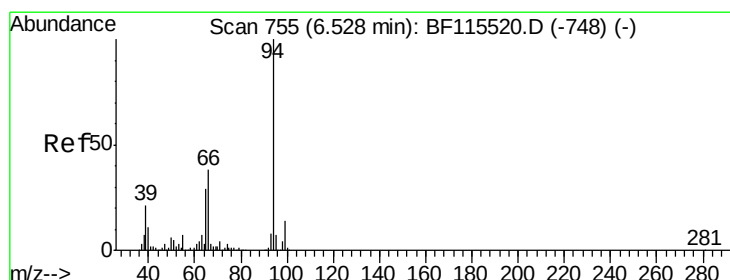
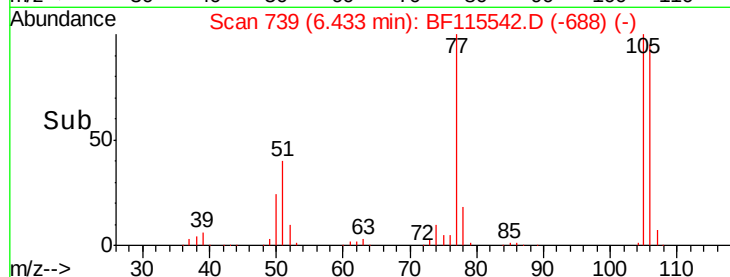
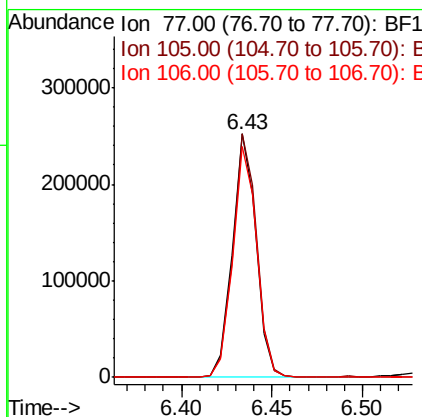
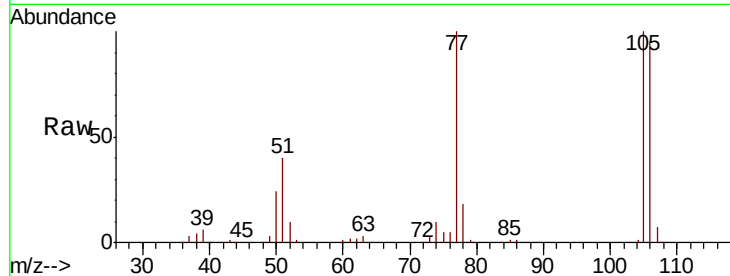
77 100

105 99.9 78.8 118.8

106 94.6 75.6 115.6

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#10

Phenol

Concen: 30.926 ng

RT: 6.53 min Scan# 756

Delta R.T. 0.01 min

Lab File: BF115542.D

Acq: 12 Jul 2019 22:26

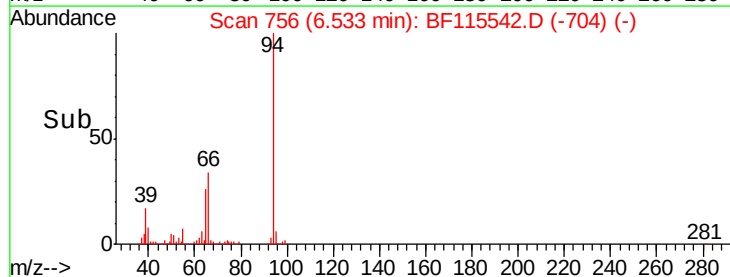
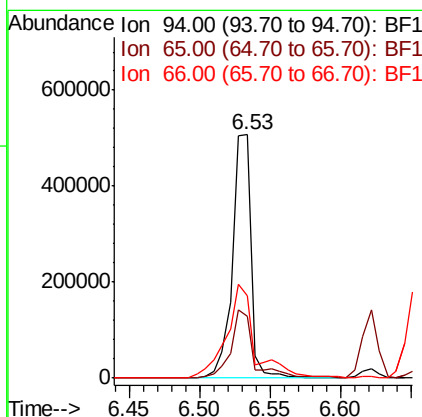
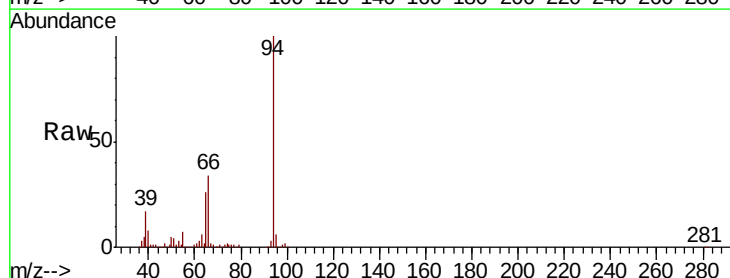
Tgt Ion: 94 Resp: 468553

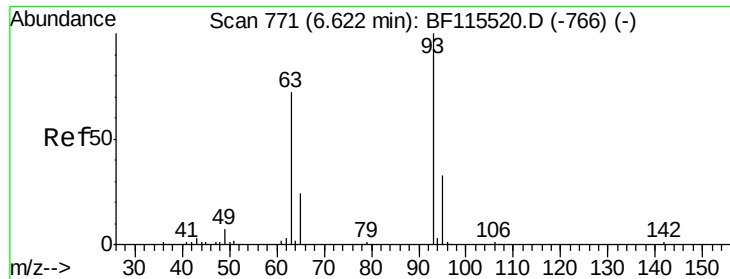
Ion Ratio Lower Upper

94 100

65 25.5 14.5 54.5

66 33.6 31.3 71.3





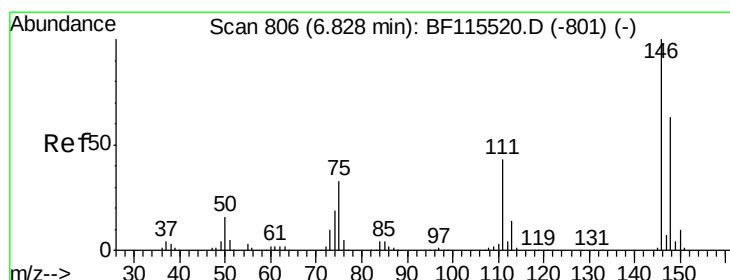
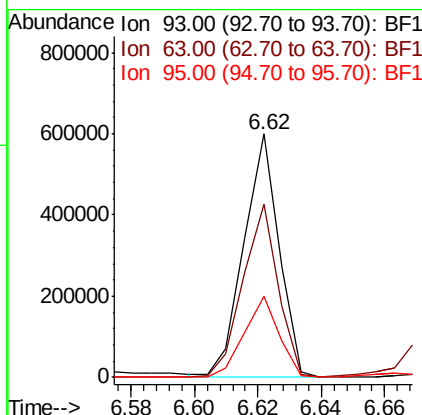
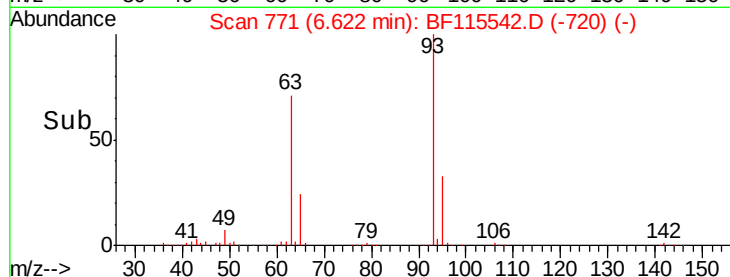
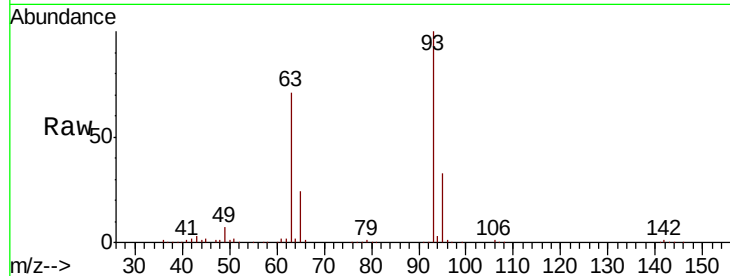
#11
bis(2-Chloroethyl)ether
Concen: 39.859 ng
RT: 6.62 min Scan# 771
Delta R.T. -0.00 min
Lab File: BF115542.D
Acq: 12 Jul 2019 22:26

Instrument :
BNA_F
ClientSampleId :
OK-03-071019-AMS

Tot Ion	93	Resp	459782
Ion	Ratio	Lower	Upper
93	100		
63	71.4	52.2	92.2
95	33.0	12.9	52.9

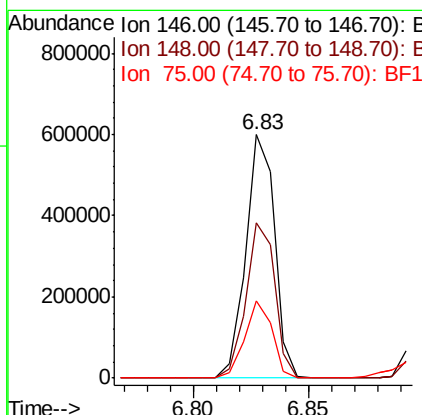
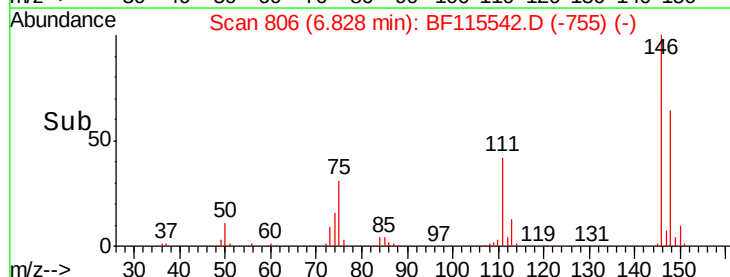
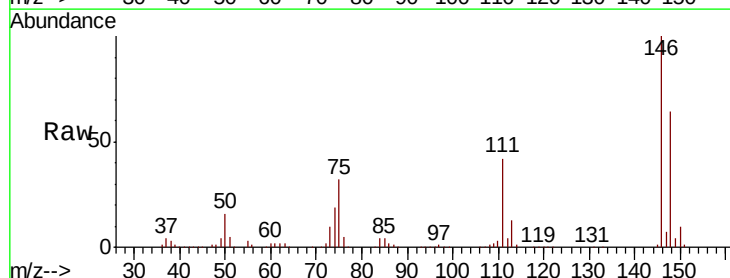
Manual Integrations
APPROVED

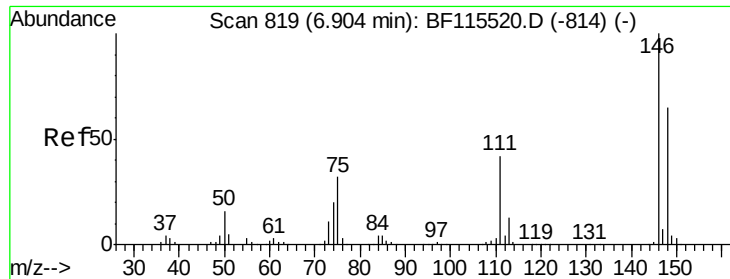
mohammad
7/15/2019 2:57:35 PM



#12
1,3-Dichlorobenzene
Concen: 39.418 ng
RT: 6.83 min Scan# 806
Delta R.T. -0.00 min
Lab File: BF115542.D
Acq: 12 Jul 2019 22:26

Tgt Ion	146	Resp	524096
Ion	Ratio	Lower	Upper
146	100		
148	63.7	52.1	78.1
75	31.6	24.9	37.3





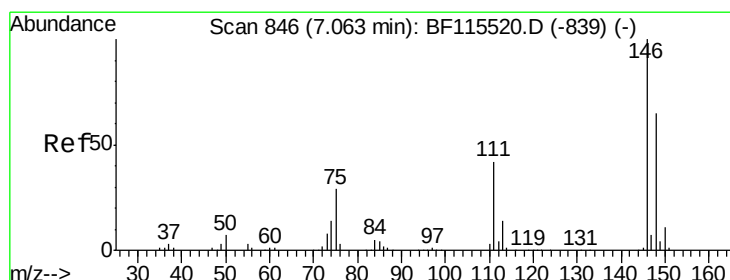
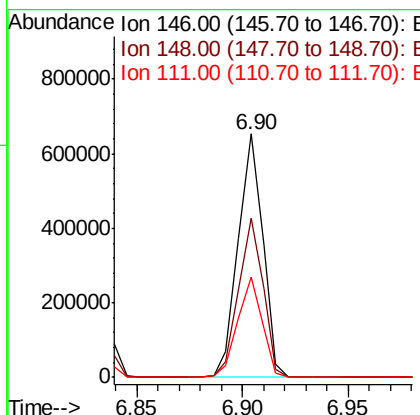
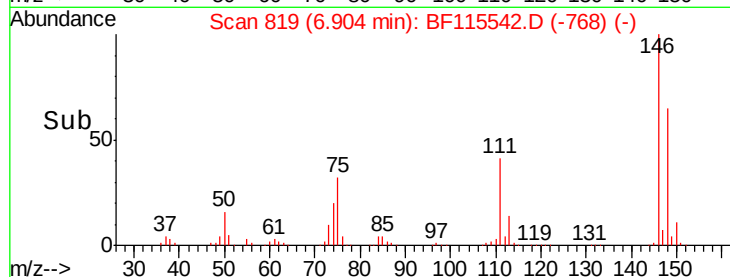
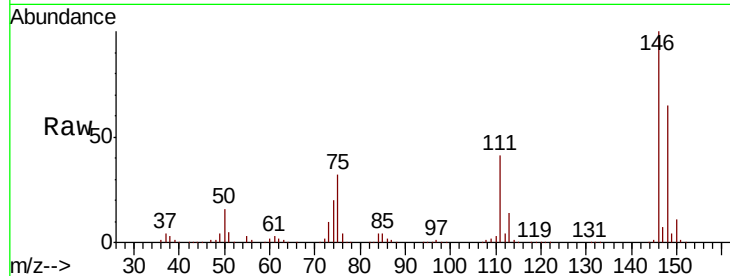
#13
 1,4-Dichlorobenzene
 Concen: 39.653 ng
 RT: 6.90 min Scan# 819
 Delta R.T. -0.00 min
 Lab File: BF115542.D
 Acq: 12 Jul 2019 22:26

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-071019-AMS

Tot Ion	Ratio	Lower	Upper
146	100		
148	65.4	51.8	77.6
111	41.4	35.5	53.3

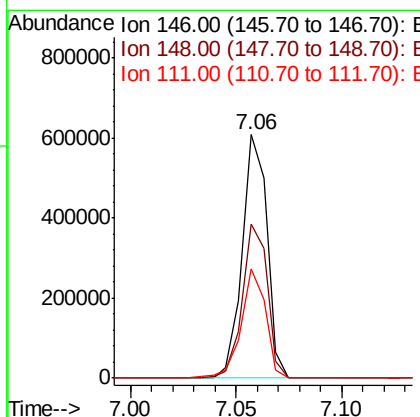
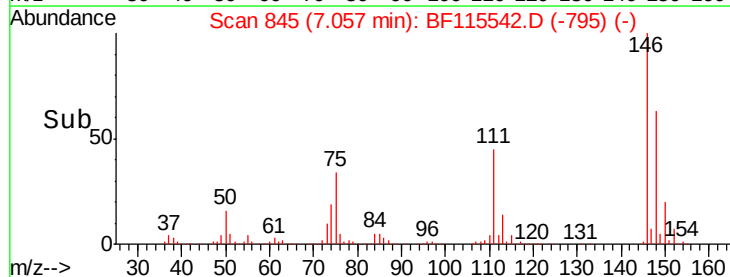
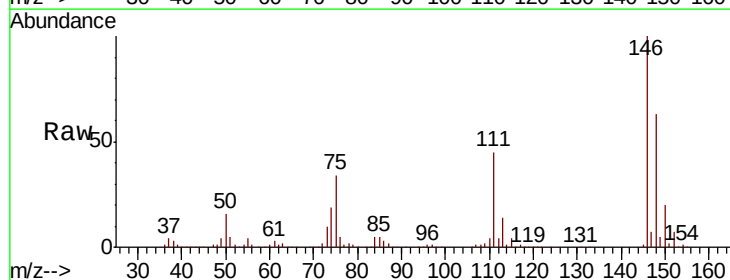
Manual Integrations
 APPROVED

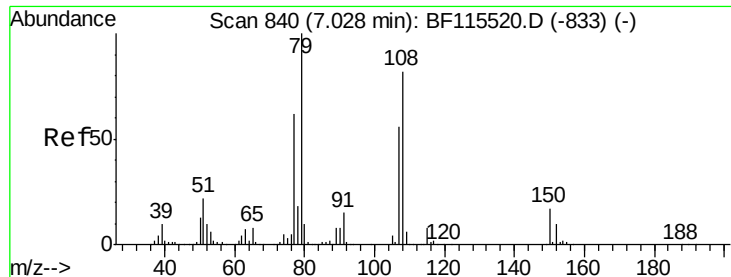
mohammad
 7/15/2019 2:57:35 PM



#14
 1,2-Dichlorobenzene
 Concen: 40.672 ng
 RT: 7.06 min Scan# 845
 Delta R.T. -0.01 min
 Lab File: BF115542.D
 Acq: 12 Jul 2019 22:26

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.1	51.1	76.7
111	44.7	37.6	56.4





#15

Benzyl Alcohol

Concen: 41.005 ng

RT: 7.02 min Scan# 839

Delta R.T. -0.01 min

Lab File: BF115542.D

Acq: 12 Jul 2019 22:26

Instrument :

BNA_F

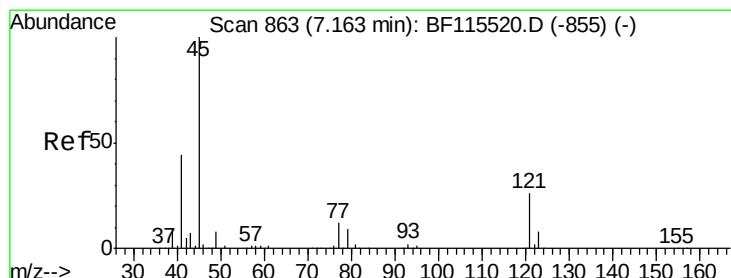
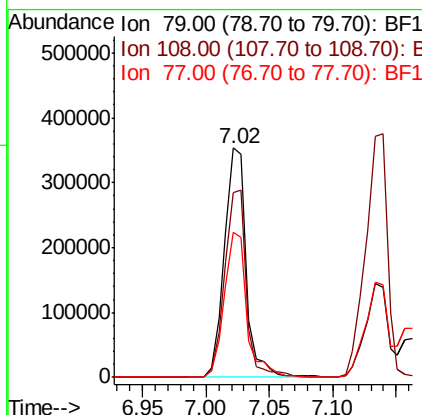
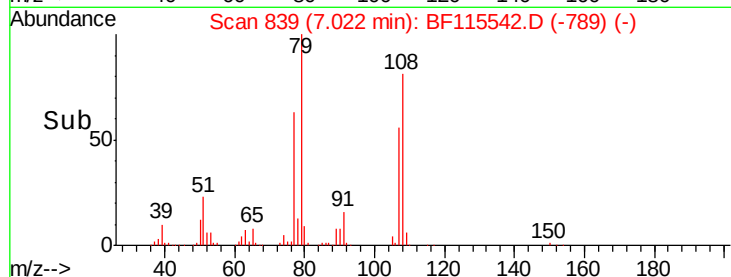
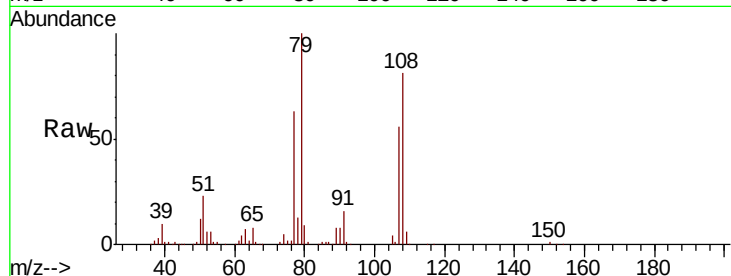
ClientSampleId :

OK-03-071019-AMS

Tot Ion:	79	Resp:	424548
Ion Ratio	Lower	Upper	
79	100		
108	80.6	64.2	96.4
77	63.4	51.8	77.8

Manual Integrations
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#16

2,2'-oxybis(1-chloropropane)

Concen: 40.003 ng

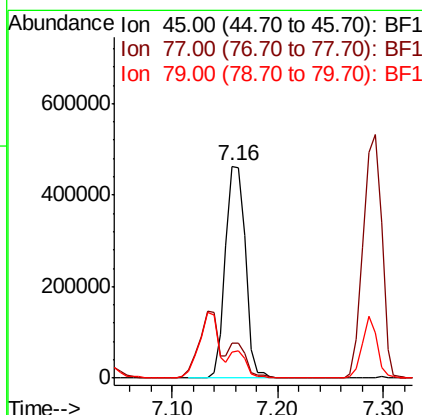
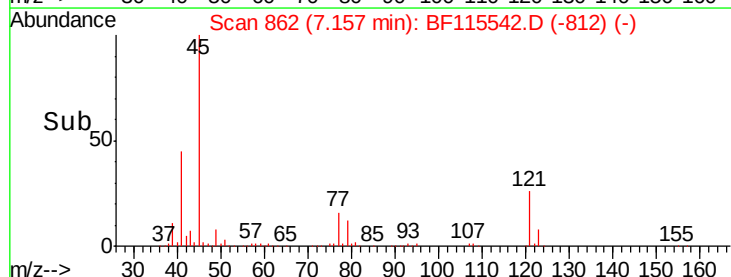
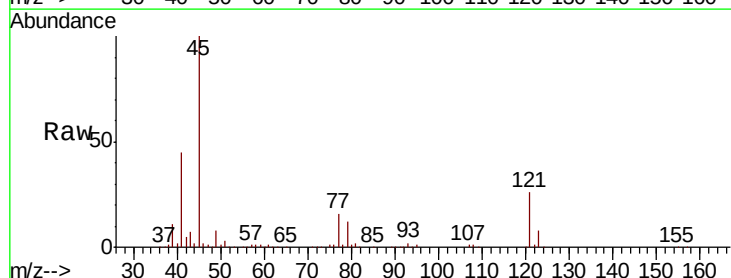
RT: 7.16 min Scan# 862

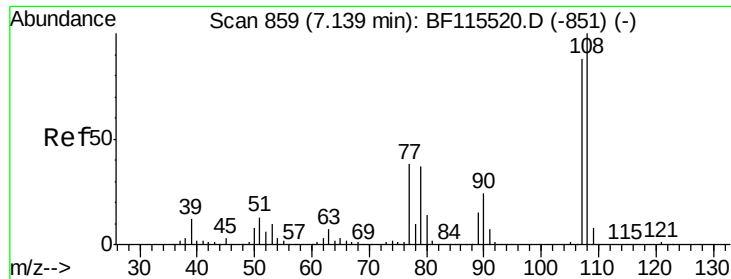
Delta R.T. -0.01 min

Lab File: BF115542.D

Acq: 12 Jul 2019 22:26

Tgt Ion:	45	Resp:	607512
Ion Ratio	Lower	Upper	
45	100		
77	16.3	0.0	38.1
79	12.3	0.0	34.1





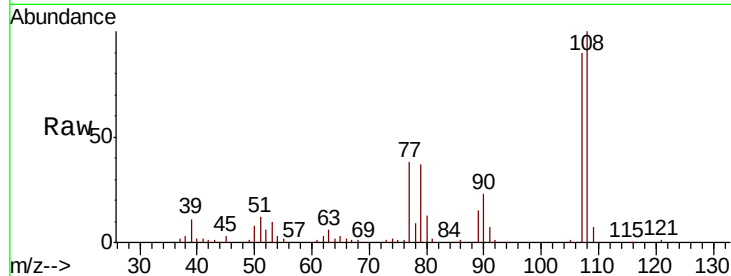
#17
2-Methylphenol
Concen: 38.797 ng
RT: 7.14 min Scan# 859
Delta R.T. -0.00 min
Lab File: BF115542.D
Acq: 12 Jul 2019 22:26

Instrument :
BNA_F
ClientSampleId :
OK-03-071019-AMS

Tot Ion	Ratio	Resp	Lower	Upper
107	100	395396		
108	111.6	89.4	134.2	
77	42.4	35.7	53.5	
79	41.2	35.0	52.4	

Manual Integrations
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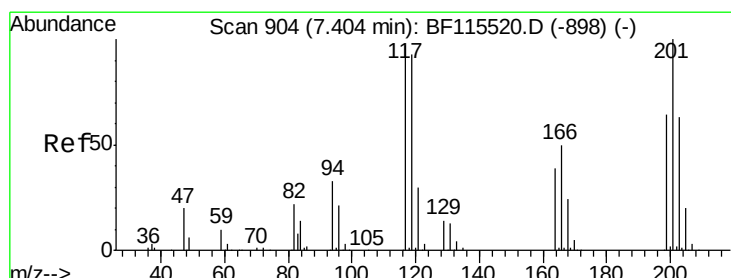
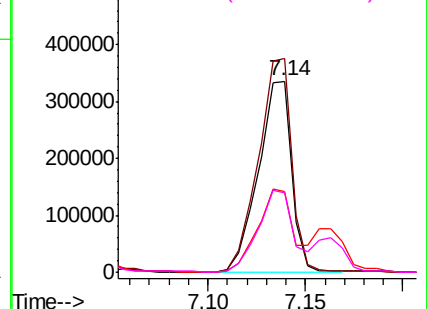
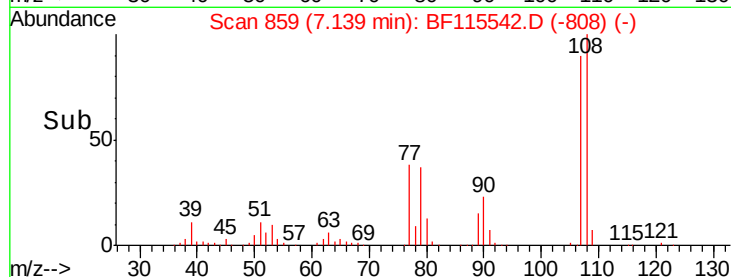
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

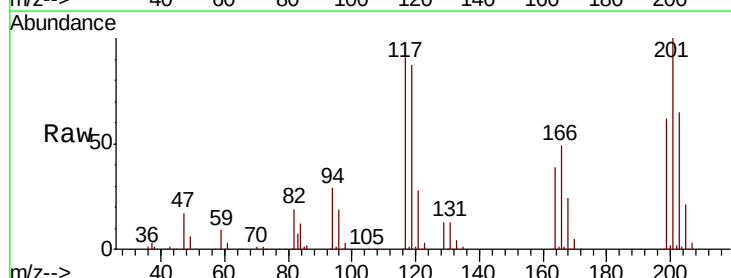
Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18
Hexachloroethane
Concen: 37.637 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.00 min
Lab File: BF115542.D
Acq: 12 Jul 2019 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	185322		
119	96.0	77.7	116.5	
201	110.4	86.0	129.0	

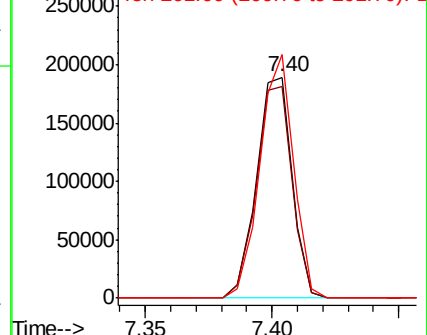
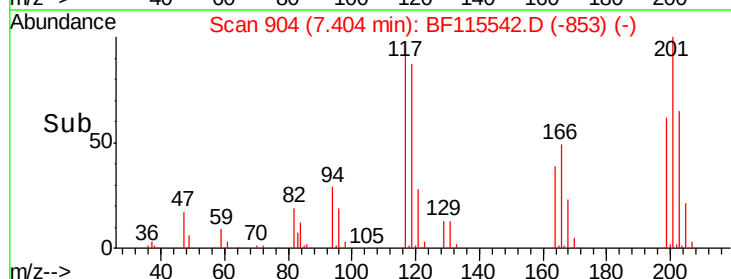


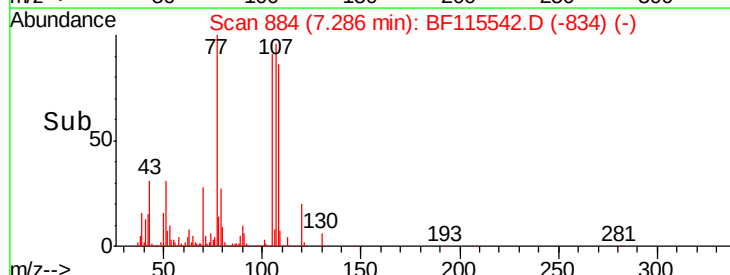
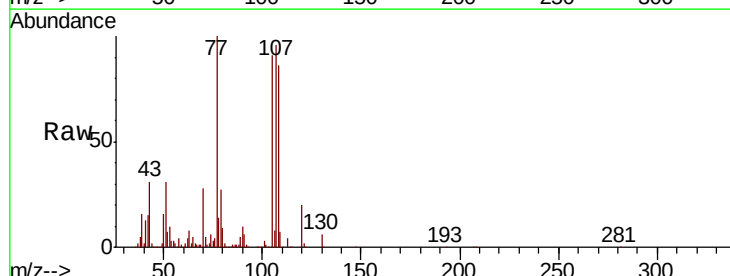
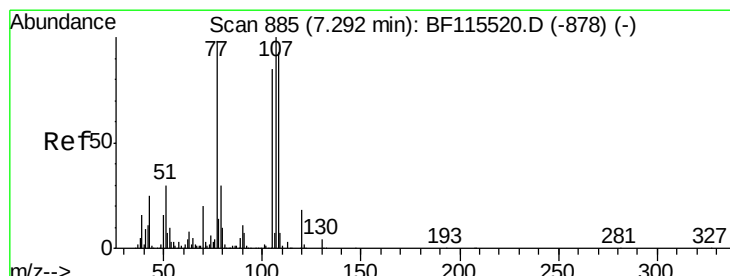
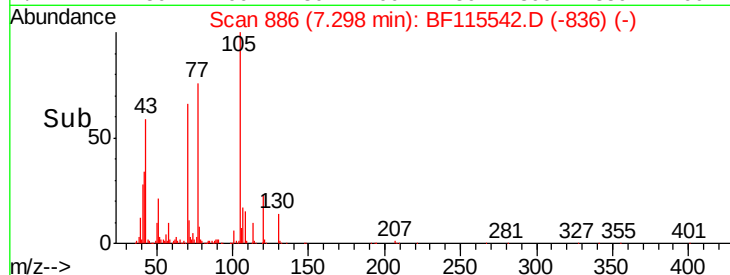
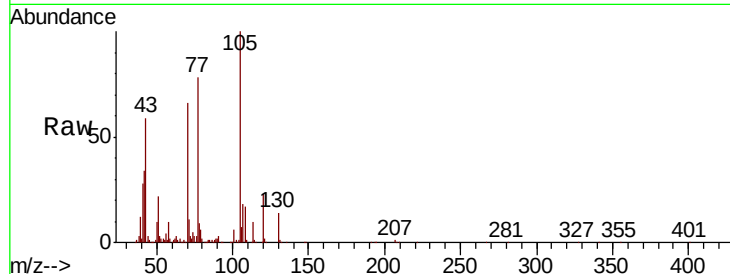
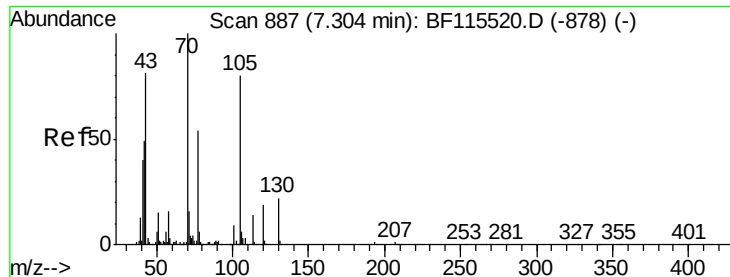
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





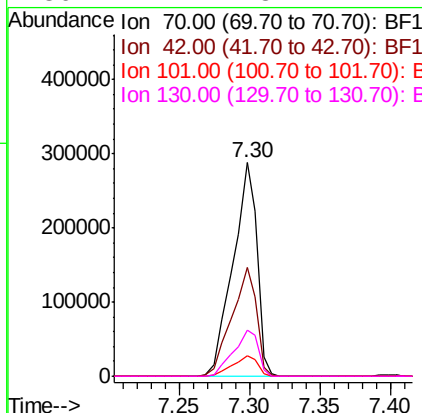
#19
n-Nitroso-di-n-propylamine
Concen: 39.975 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF115542.D
Acq: 12 Jul 2019 22:26

Instrument :
BNA_F
ClientSampleId :
OK-03-071019-AMS

Tot Ion	Ion	Ratio	Lower	Upper
340267	70	100		
	42	51.1	39.6	59.4
	101	9.4	8.1	12.1
	130	21.7	18.2	27.2

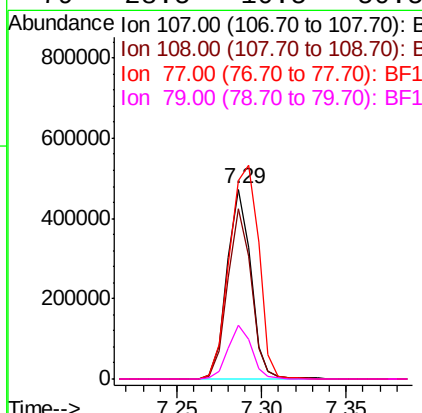
Manual Integrations
APPROVED

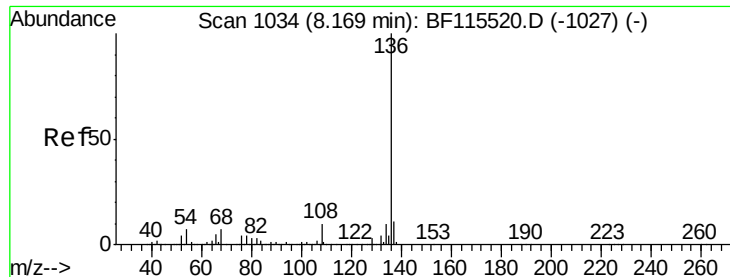
mohammad
7/15/2019 2:57:35 PM



#20
3+4-Methylphenols
Concen: 38.058 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF115542.D
Acq: 12 Jul 2019 22:26

Tgt Ion	Ion	Ratio	Lower	Upper
460706	107	100		
	108	89.6	72.9	112.9
	77	104.5	77.6	117.6
	79	28.5	10.5	50.5





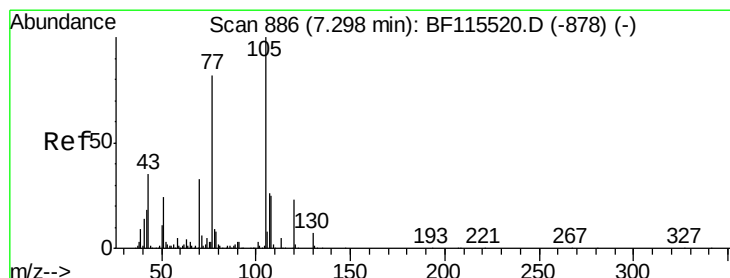
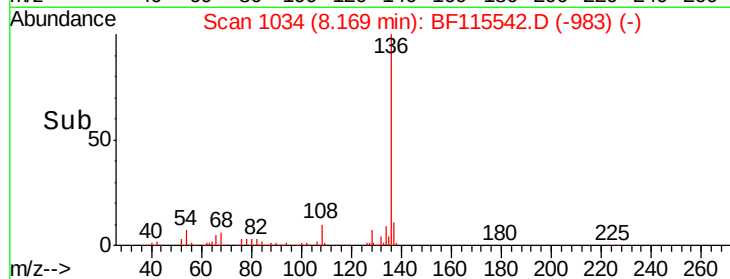
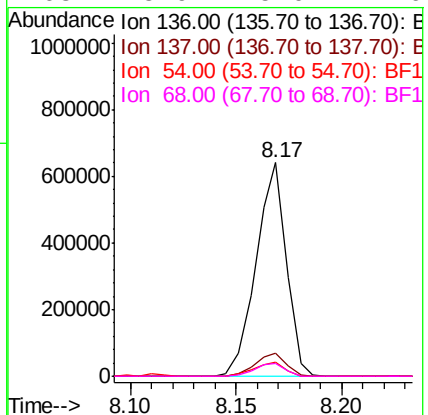
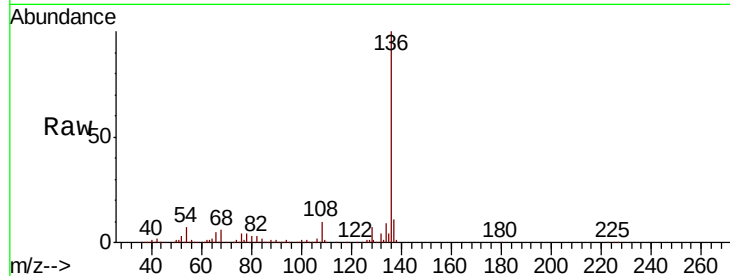
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.00 min
Lab File: BF115542.D
Acq: 12 Jul 2019 22:26

Instrument :
BNA_F
ClientSampleId :
OK-03-071019-AMS

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.8	9.0	13.4	
54	6.5	5.6	8.4	
68	5.9	5.0	7.6	

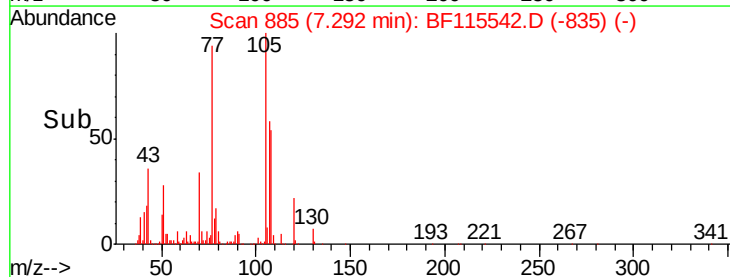
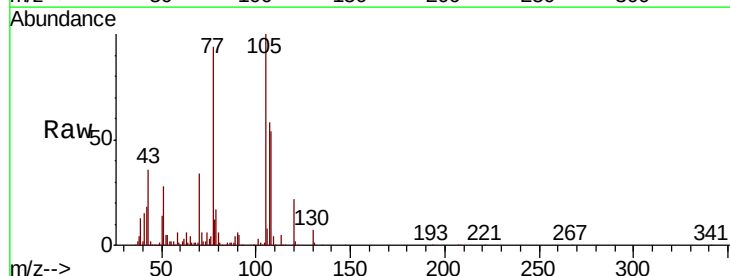
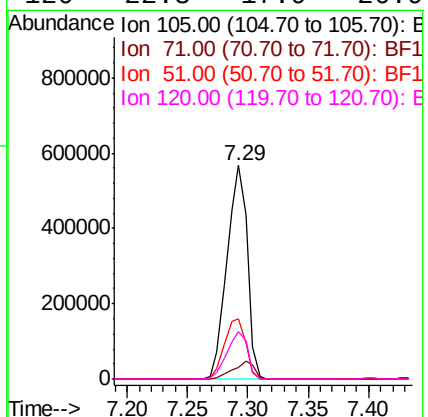
Manual Integrations
APPROVED

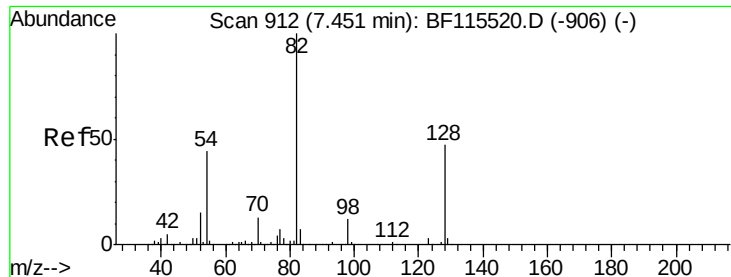
mohammad
7/15/2019 2:57:35 PM



#22
Acetophenone
Concen: 46.090 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF115542.D
Acq: 12 Jul 2019 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	5.5	3.5	5.3#	
51	28.4	25.6	38.4	
120	22.3	17.9	26.9	





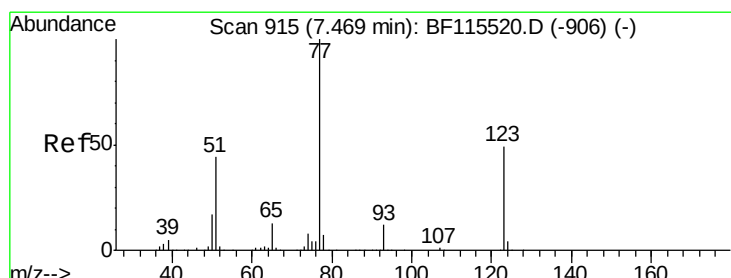
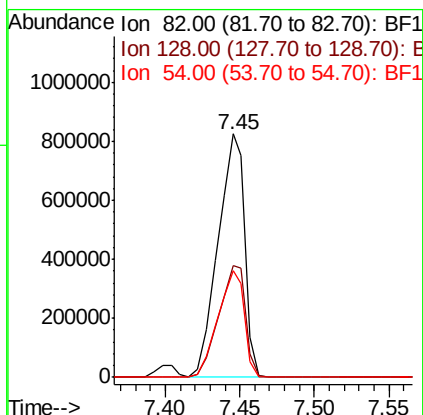
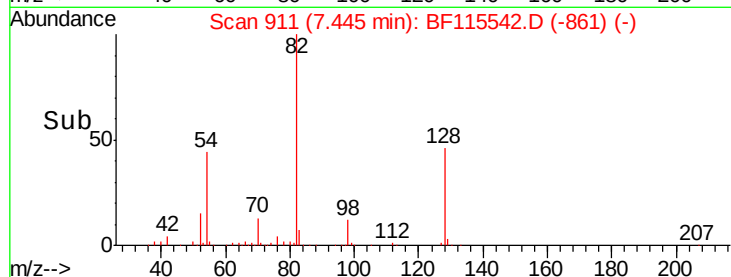
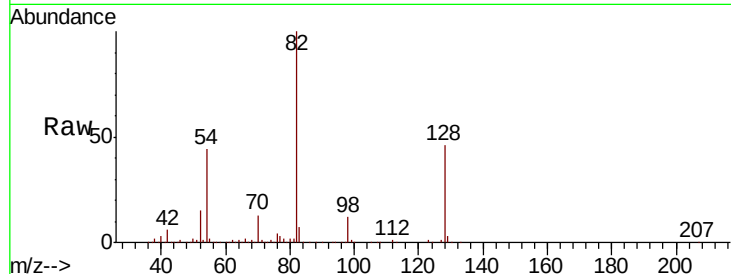
#23
 Nitrobenzene-d5
 Concen: 94.127 ng
 RT: 7.45 min Scan# 911
 Delta R.T. -0.01 min
 Lab File: BF115542.D
 Acq: 12 Jul 2019 22:26

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-071019-AMS

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.1	38.6	57.8
54	43.8	35.6	53.4

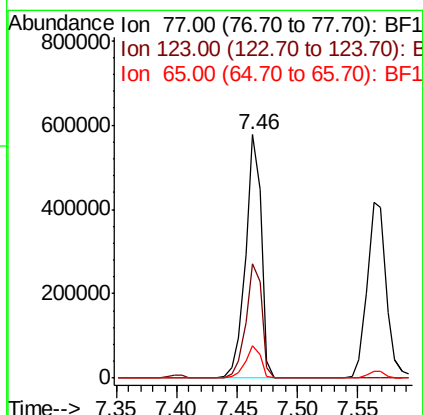
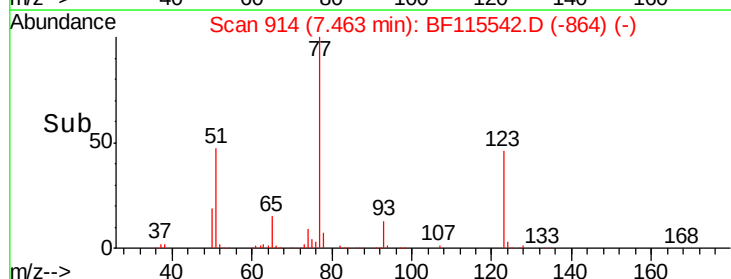
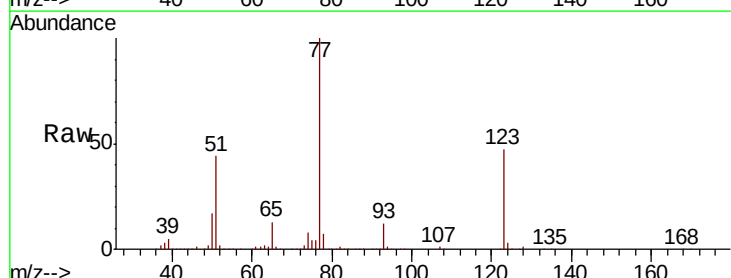
Manual Integrations
 APPROVED

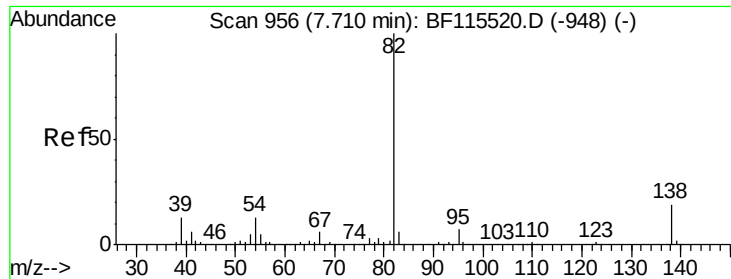
mohammad
 7/15/2019 2:57:35 PM



#24
 Nitrobenzene
 Concen: 44.376 ng
 RT: 7.46 min Scan# 914
 Delta R.T. -0.01 min
 Lab File: BF115542.D
 Acq: 12 Jul 2019 22:26

Tgt Ion	Ratio	Lower	Upper
77	100		
123	46.9	40.0	60.0
65	13.2	11.0	16.4





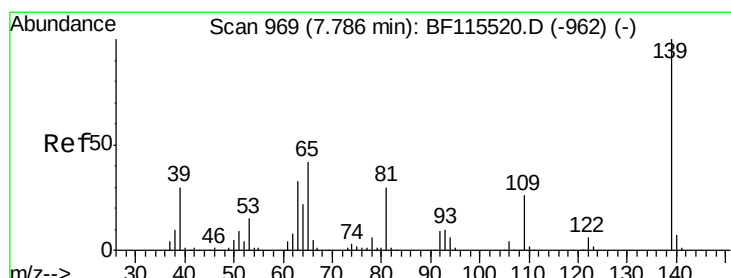
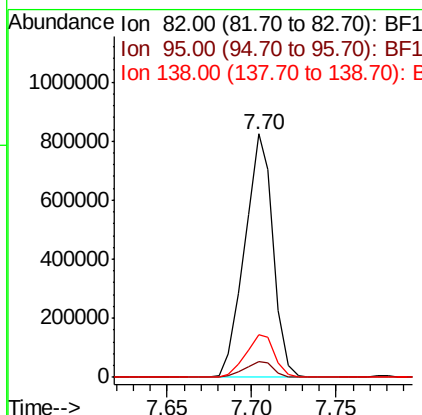
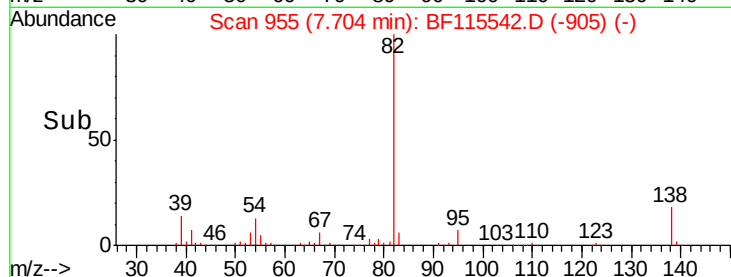
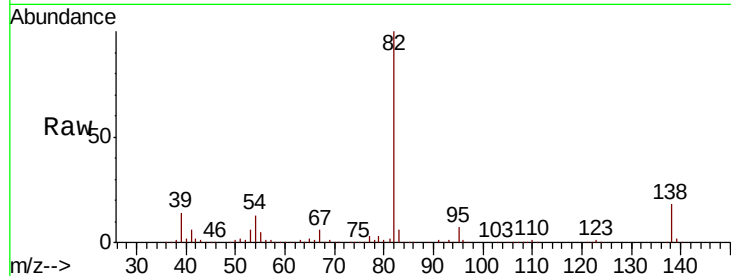
#25
Isophorone
Concen: 43.851 ng
RT: 7.70 min Scan# 955
Delta R.T. -0.01 min
Lab File: BF115542.D
Acq: 12 Jul 2019 22:26

Instrument :
BNA_F
ClientSampleId :
OK-03-071019-AMS

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
95	6.7	5.5	8.3	
138	17.6	14.9	22.3	

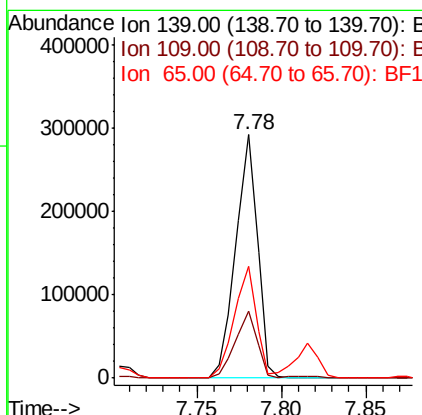
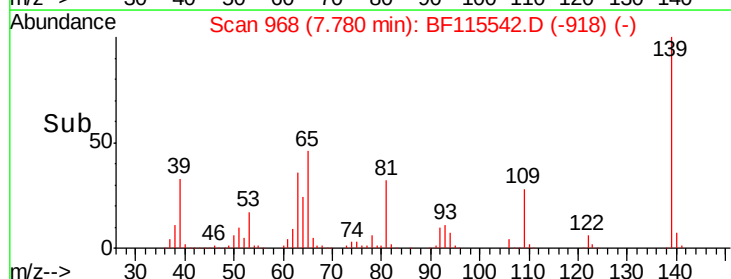
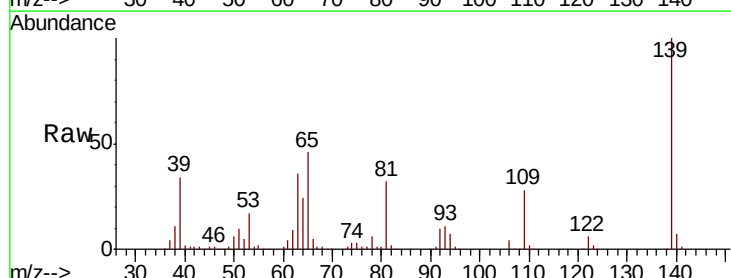
Manual Integrations
APPROVED

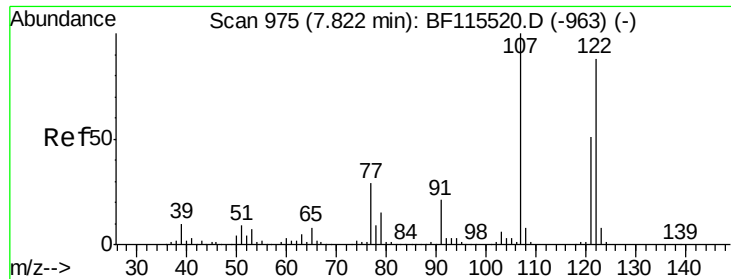
mohammad
7/15/2019 2:57:35 PM



#26
2-Nitrophenol
Concen: 43.209 ng
RT: 7.78 min Scan# 968
Delta R.T. -0.01 min
Lab File: BF115542.D
Acq: 12 Jul 2019 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
139	100			
109	27.6	23.3	34.9	
65	46.1	37.9	56.9	





#27

2,4-Dimethylphenol

Concen: 48.978 ng

RT: 7.82 min Scan# 974

Delta R.T. -0.01 min

Lab File: BF115542.D

Acq: 12 Jul 2019 22:26

Instrument :

BNA_F

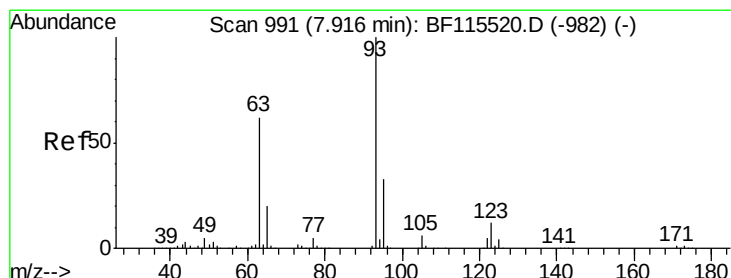
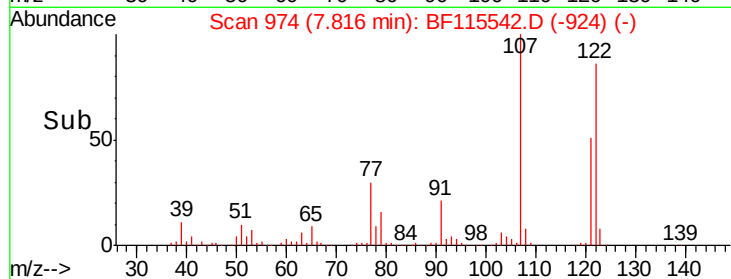
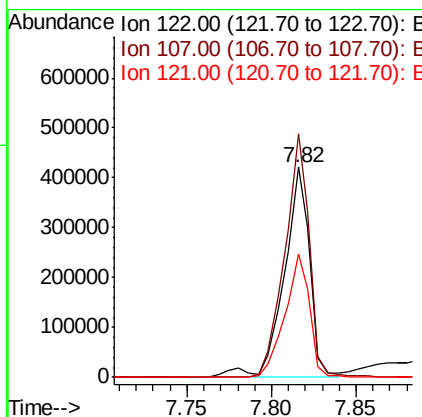
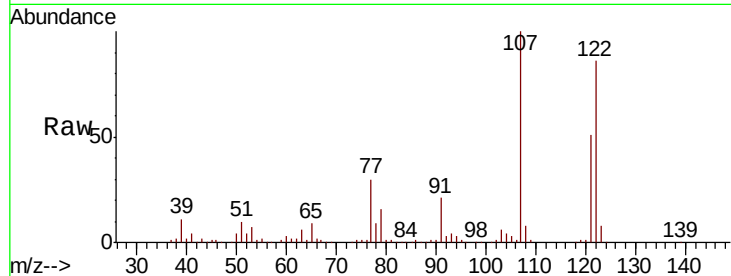
ClientSampleId :

OK-03-071019-AMS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
446405	122	100			
	107	115.8	92.9	139.3	
	121	58.8	46.9	70.3	

Manual Integrations
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7/15/2019 2:57:35 PM



#28

bis(2-Chloroethoxy)methane

Concen: 43.888 ng

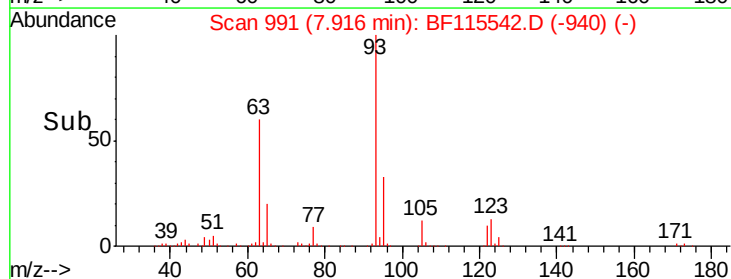
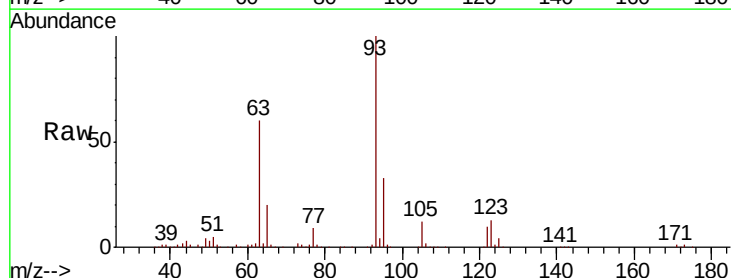
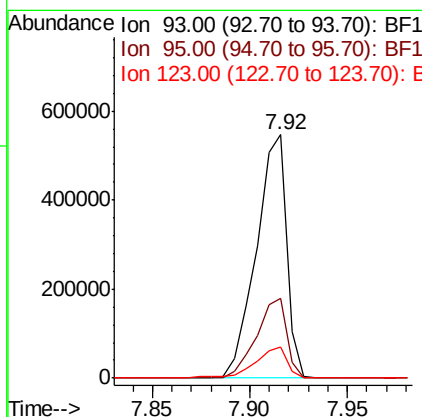
RT: 7.92 min Scan# 991

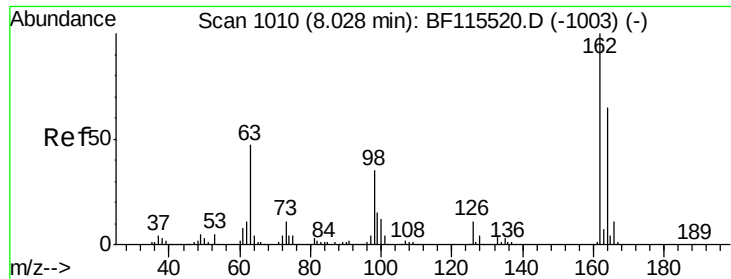
Delta R.T. -0.00 min

Lab File: BF115542.D

Acq: 12 Jul 2019 22:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
591153	93	100			
	95	32.7	27.0	40.4	
	123	12.7	9.9	14.9	





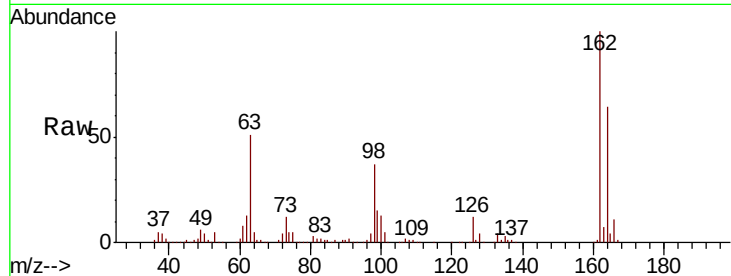
#29
2,4-Dichlorophenol
Concen: 44.388 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF115542.D
Acq: 12 Jul 2019 22:26

Instrument :
BNA_F
ClientSampleId :
OK-03-071019-AMS

Tot Ion	Ratio	Lower	Upper
162	100		
164	64.0	44.9	84.9
98	36.6	17.7	57.7

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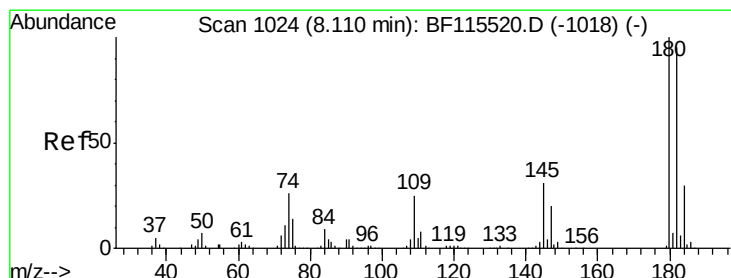
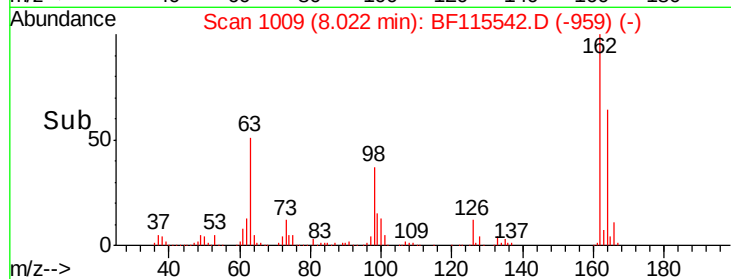
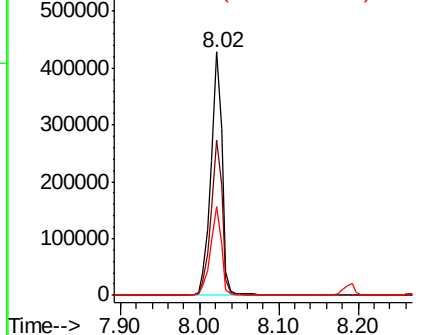


Abundance

Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
1,2,4-Trichlorobenzene
Concen: 43.512 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.00 min
Lab File: BF115542.D
Acq: 12 Jul 2019 22:26

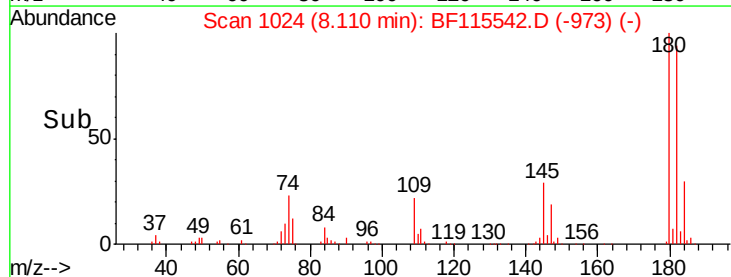
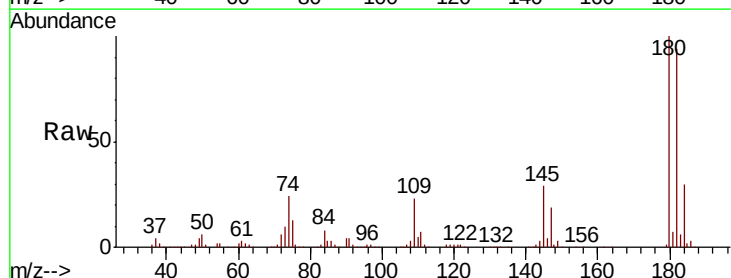
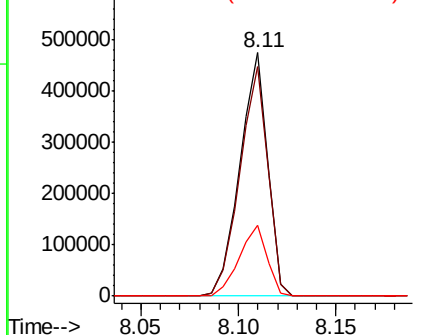
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	75.0	112.6
145	29.2	25.1	37.7

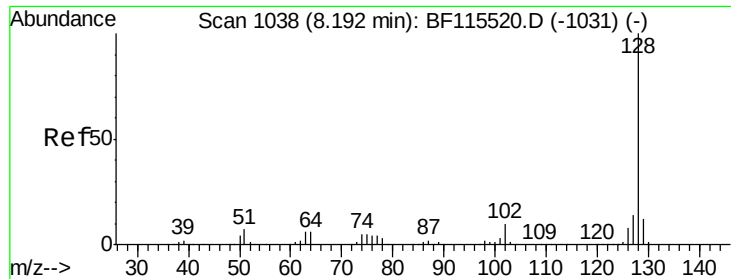
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





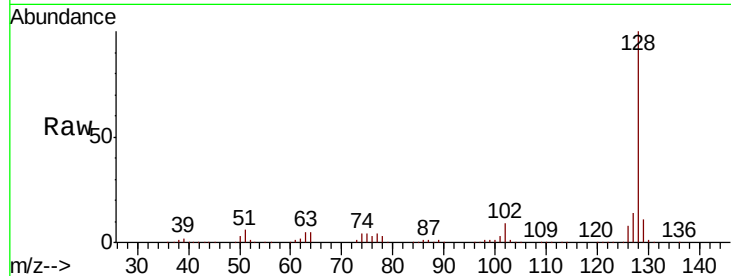
#31
Naphthalene
Concen: 45.605 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.00 min
Lab File: BF115542.D
Acq: 12 Jul 2019 22:26

Instrument :
BNA_F
ClientSampleId :
OK-03-071019-AMS

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.9	14.9
127	13.5	12.1	18.1

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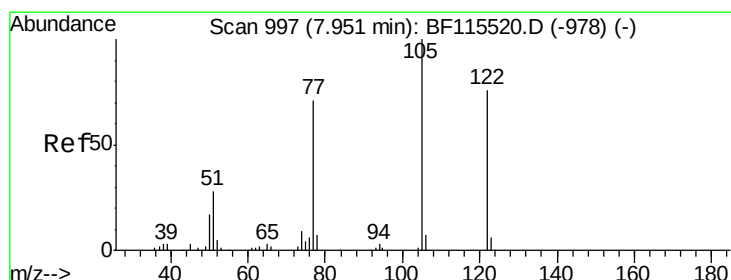
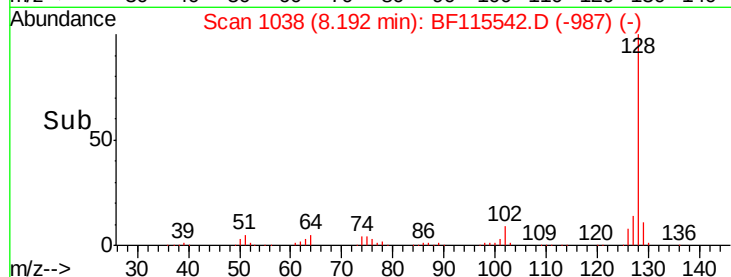
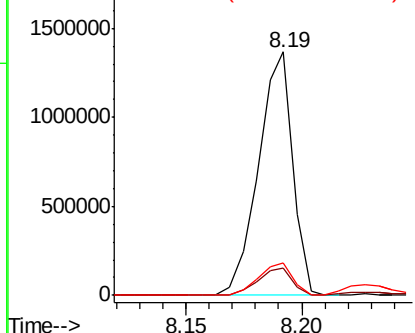


Abundance

Ion 128.00 (127.70 to 128.70): E

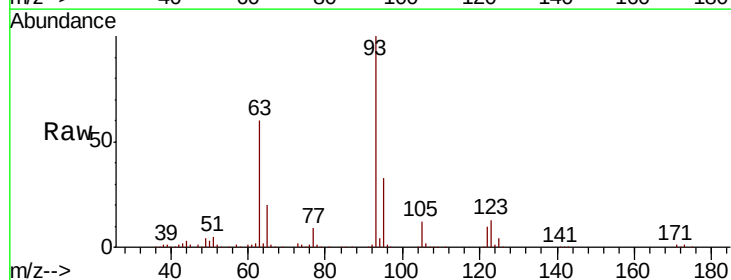
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32
Benzoic acid
Concen: 21.486 ng
RT: 7.92 min Scan# 991
Delta R.T. -0.04 min
Lab File: BF115542.D
Acq: 12 Jul 2019 22:26

Tgt Ion	Ratio	Lower	Upper
122	100		
105	121.4	102.5	142.5
77	92.1	70.2	110.2

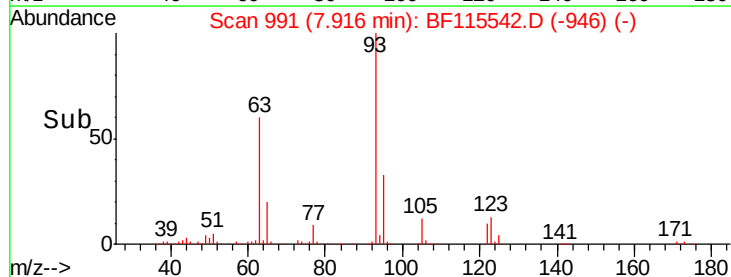
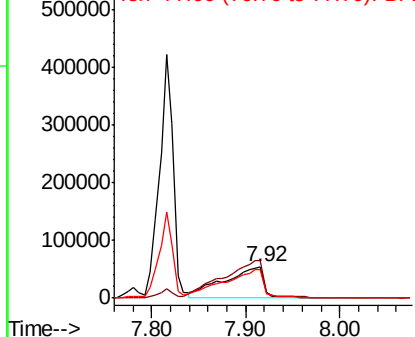


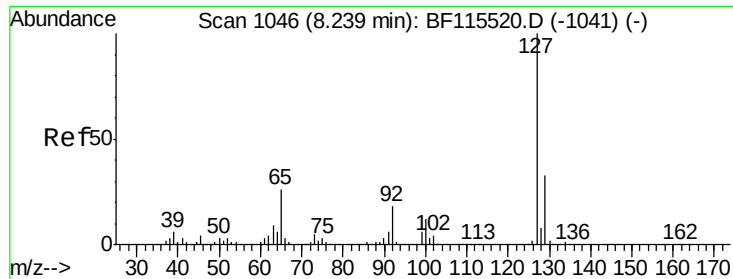
Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





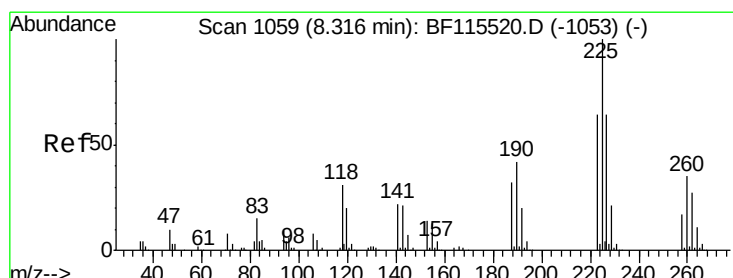
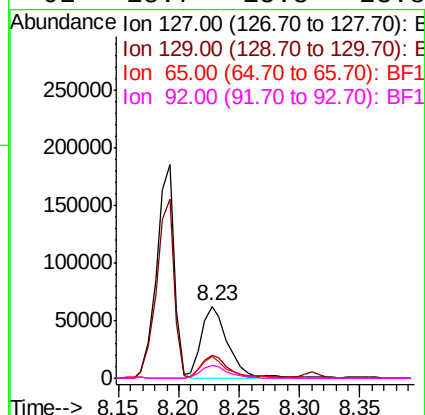
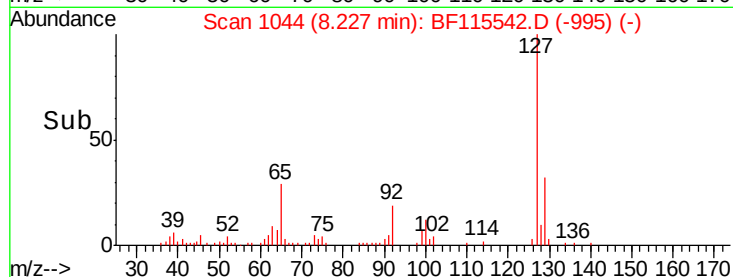
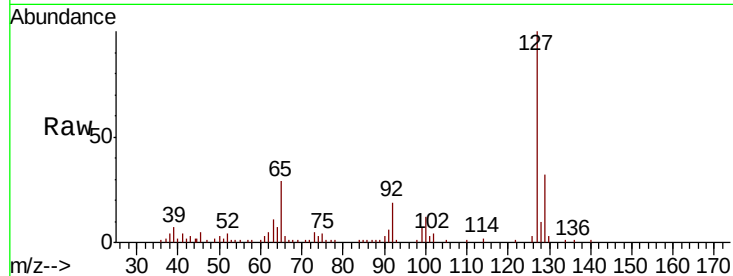
#33
4-Chloroaniline
Concen: 6.893 ng
RT: 8.23 min Scan# 1044
Delta R.T. -0.01 min
Lab File: BF115542.D
Acq: 12 Jul 2019 22:26

Instrument :
BNA_F
ClientSampleId :
OK-03-071019-AMS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		94341		
129	31.6	26.6	39.8		
65	29.5	23.7	35.5		
92	18.7	15.8	23.8		

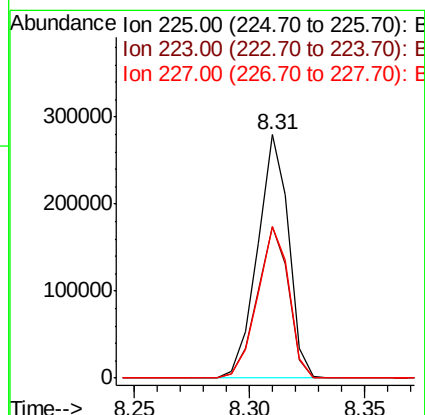
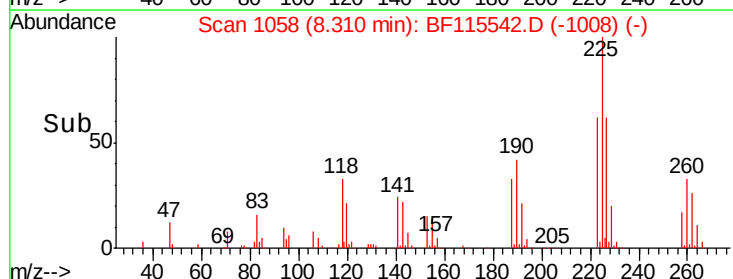
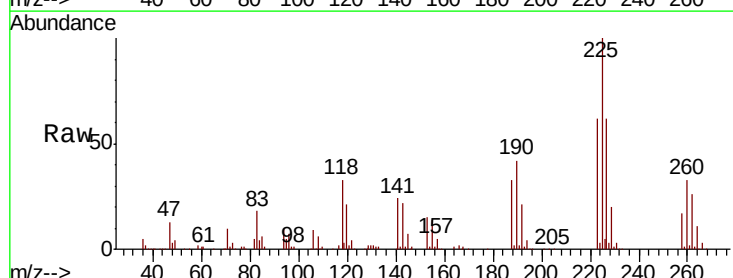
Manual Integrations
APPROVED

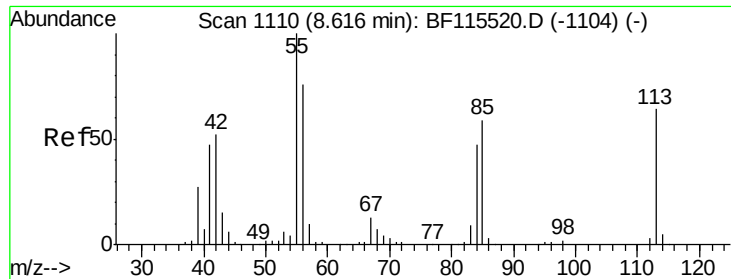
mohammad
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#34
Hexachlorobutadiene
Concen: 42.781 ng
RT: 8.31 min Scan# 1058
Delta R.T. -0.01 min
Lab File: BF115542.D
Acq: 12 Jul 2019 22:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		262868		
223	62.5	50.9	76.3		
227	62.3	50.7	76.1		





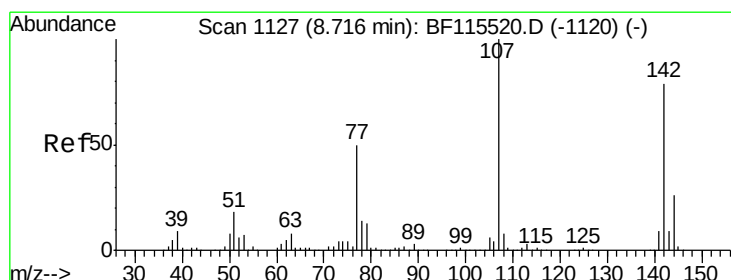
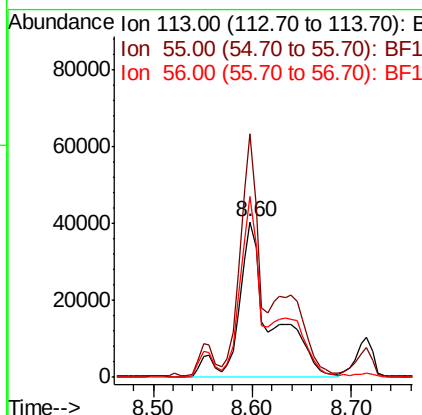
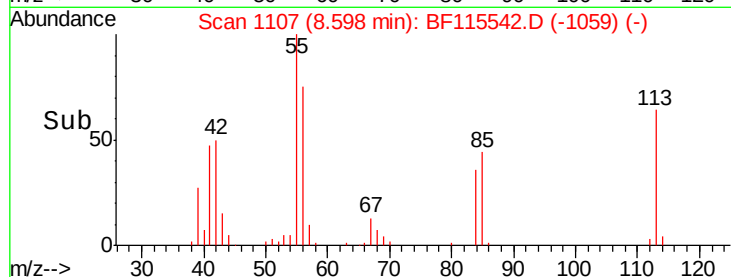
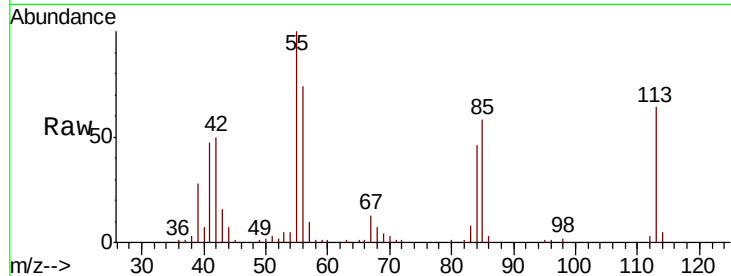
#35
Caprolactam
Concen: 32.078 ng/ml
RT: 8.60 min Scan# 1107
Delta R.T. -0.02 min
Lab File: BF115542.D
Acq: 12 Jul 2019 22:26

Instrument :
BNA_F
ClientSampleId :
OK-03-071019-AMS

Tot Ion	Ion	Ratio	Lower	Upper
113	100			
55	156.3	126.9	166.9	
56	115.9	90.3	130.3	

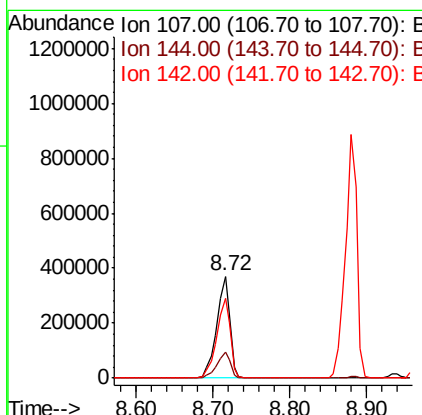
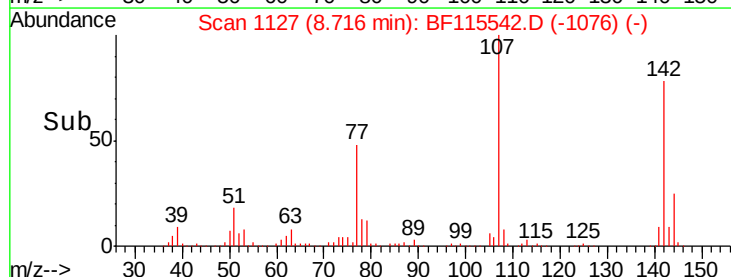
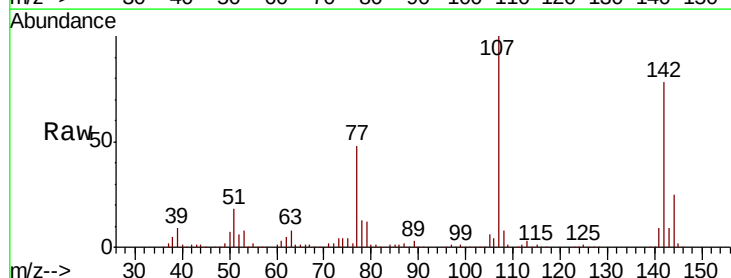
Manual Integrations
APPROVED

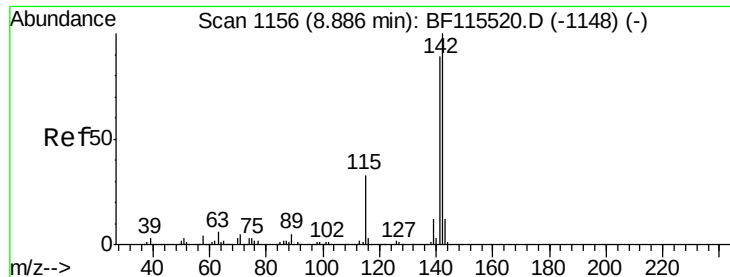
mohammad
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#36
4-Chloro-3-methylphenol
Concen: 44.111 ng/ml
RT: 8.72 min Scan# 1127
Delta R.T. -0.00 min
Lab File: BF115542.D
Acq: 12 Jul 2019 22:26

Tgt Ion	Ion	Ratio	Lower	Upper
107	100			
144	25.5	20.6	30.8	
142	78.0	63.1	94.7	





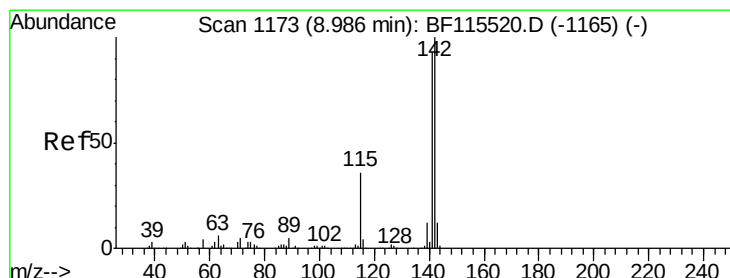
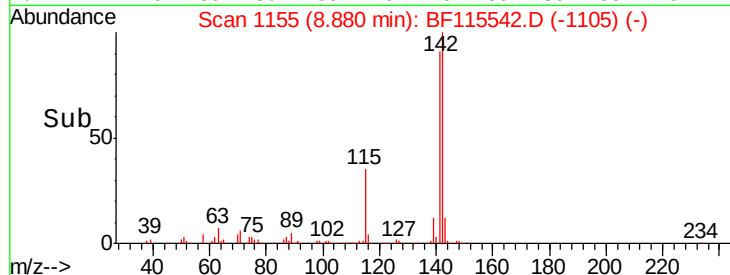
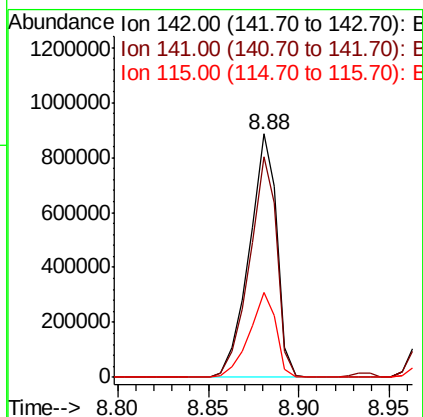
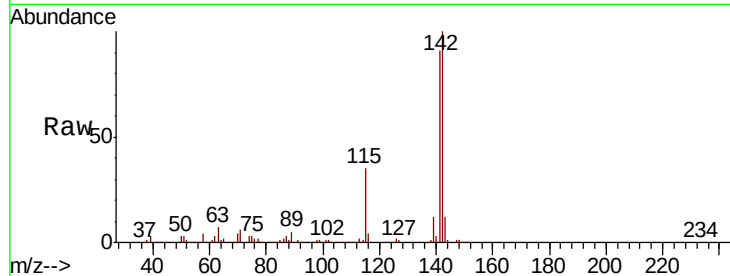
#37
2-Methylnaphthalene
Concen: 45.789 ng
RT: 8.88 min Scan# 1155
Delta R.T. -0.01 min
Lab File: BF115542.D
Acq: 12 Jul 2019 22:26

Instrument :
BNA_F
ClientSampleId :
OK-03-071019-AMS

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.8	72.0	108.0
115	35.0	29.9	44.9

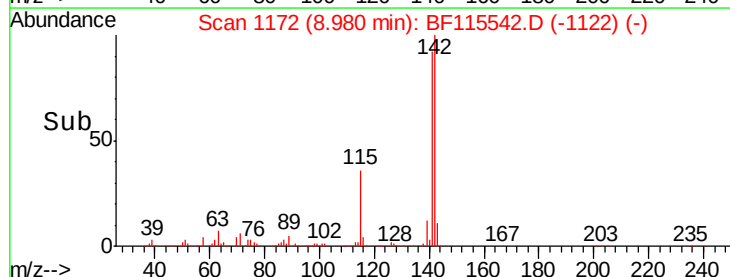
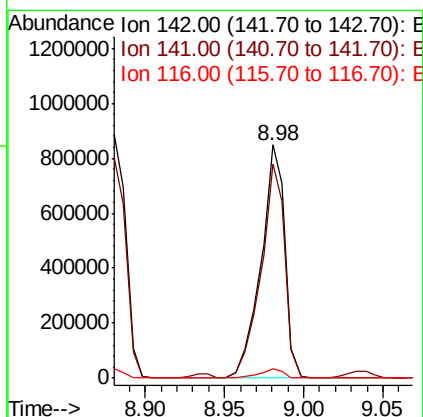
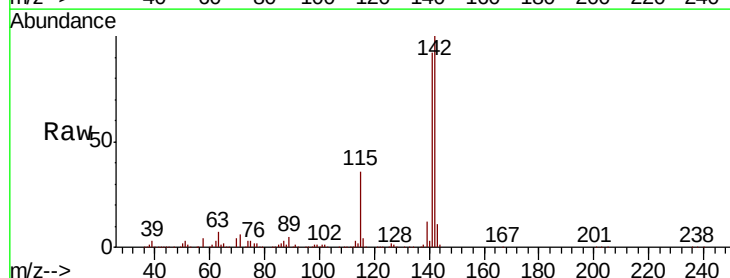
Manual Integrations
APPROVED

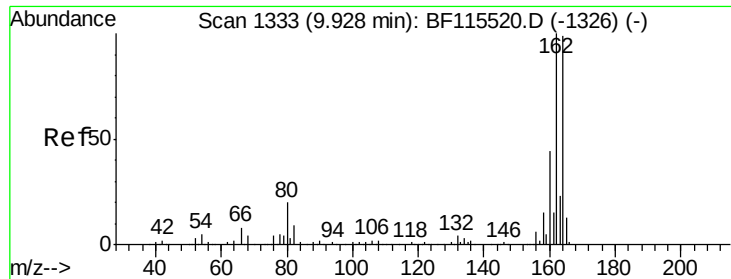
mohammad
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#38
1-Methylnaphthalene
Concen: 45.875 ng
RT: 8.98 min Scan# 1172
Delta R.T. -0.01 min
Lab File: BF115542.D
Acq: 12 Jul 2019 22:26

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.0	75.3	112.9
116	3.8	3.3	4.9





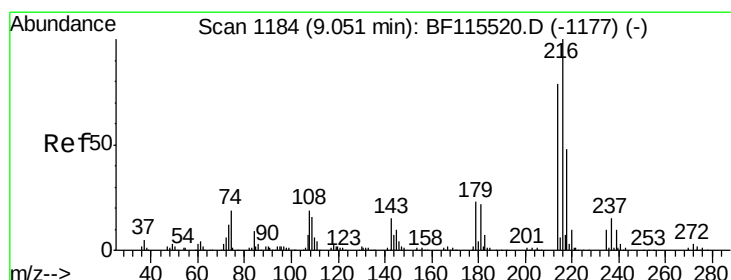
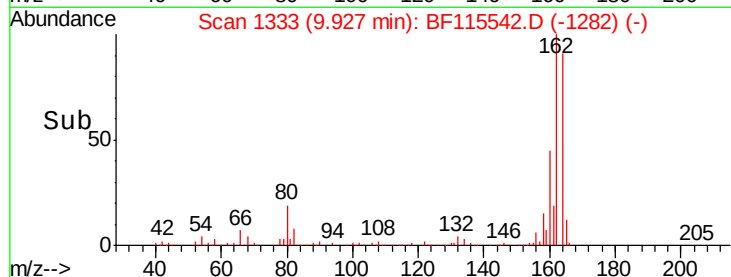
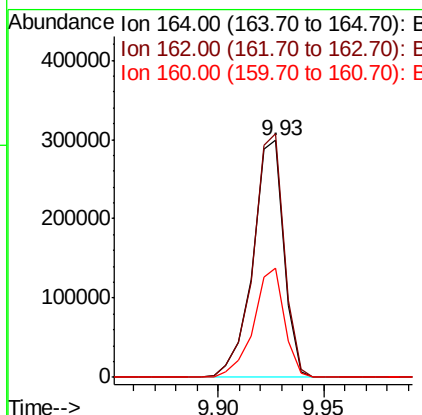
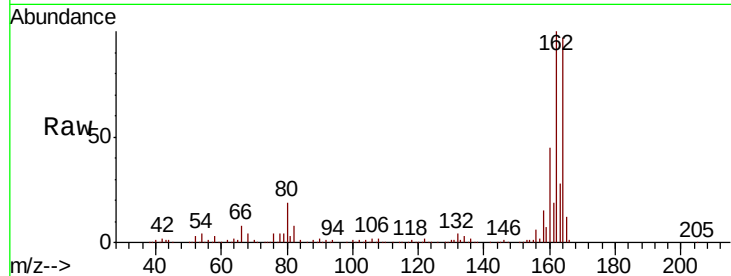
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.00 min
Lab File: BF115542.D
Acq: 12 Jul 2019 22:26

Instrument :
BNA_F
ClientSampleId :
OK-03-071019-AMS

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.8	82.9	124.3	
160	46.1	36.8	55.2	

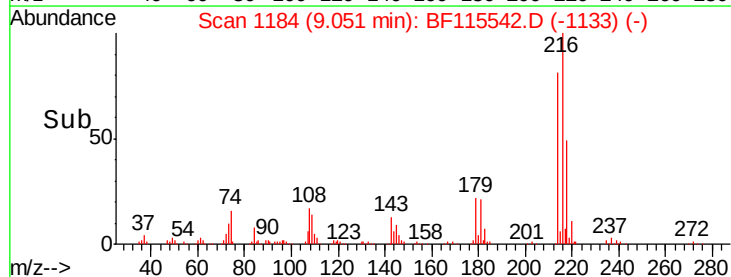
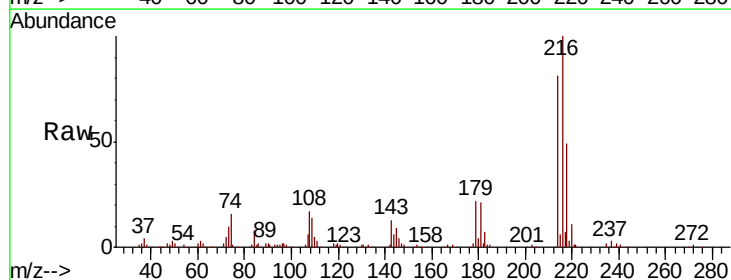
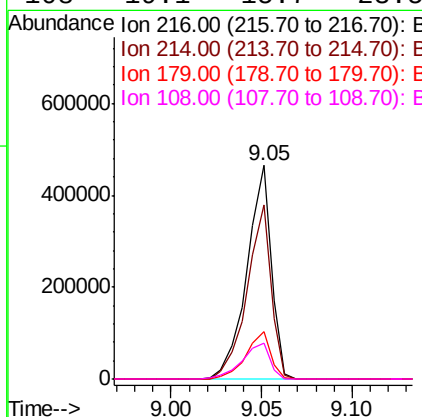
Manual Integrations
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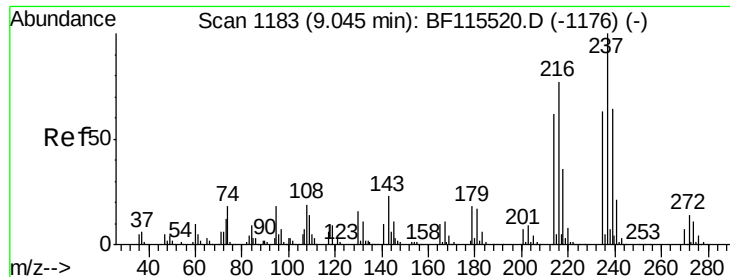
mohammad
7/15/2019 2:57:35 PM



#40
1,2,4,5-Tetrachlorobenzene
Concen: 46.988 ng
RT: 9.05 min Scan# 1184
Delta R.T. -0.00 min
Lab File: BF115542.D
Acq: 12 Jul 2019 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	80.3	65.1	97.7	
179	22.2	18.3	27.5	
108	19.1	15.7	23.5	





#41

Hexachlorocyclopentadiene

Concen: 45.569 ng

RT: 9.04 min Scan# 1182

Delta R.T. -0.01 min

Lab File: BF115542.D

Acq: 12 Jul 2019 22:26

Instrument :

BNA_F

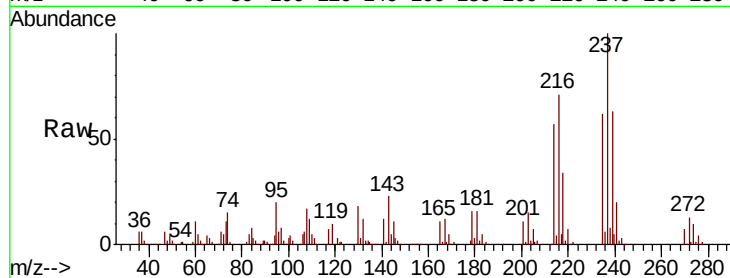
ClientSampleId :

OK-03-071019-AMS

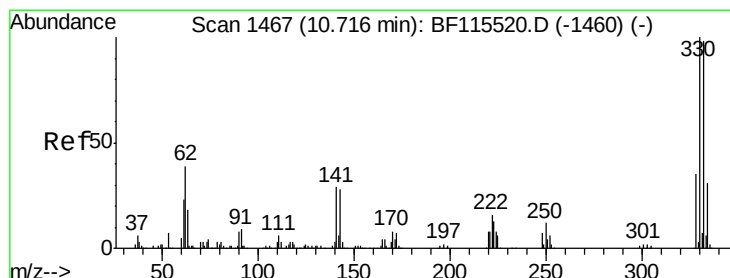
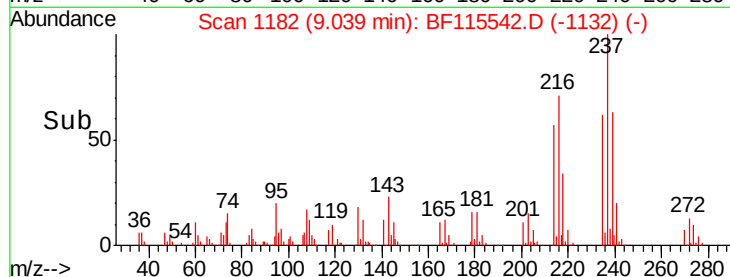
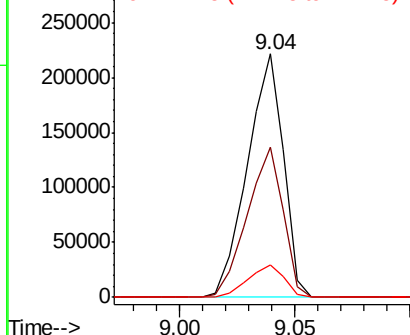
Tot Ion:	237	Resp:	240705
Ion Ratio	Lower	Upper	
237	100		
235	61.6	43.6	83.6
272	13.5	0.0	33.9

Manual Integrations
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Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 121.010 ng

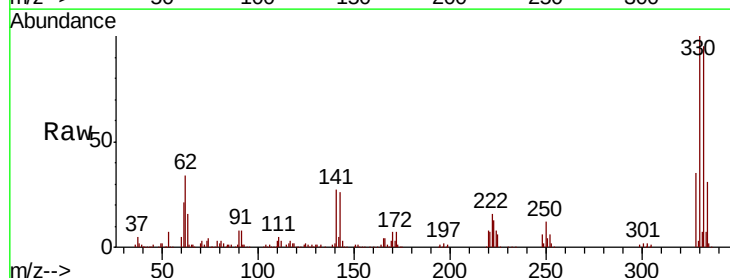
RT: 10.72 min Scan# 1467

Delta R.T. -0.00 min

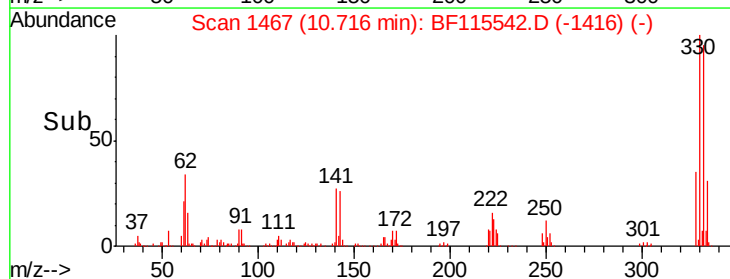
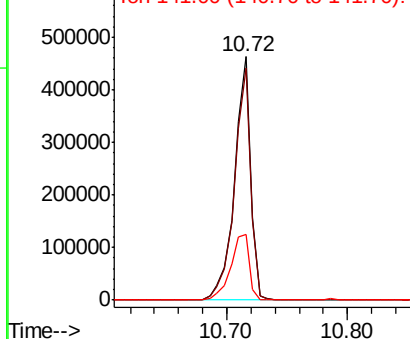
Lab File: BF115542.D

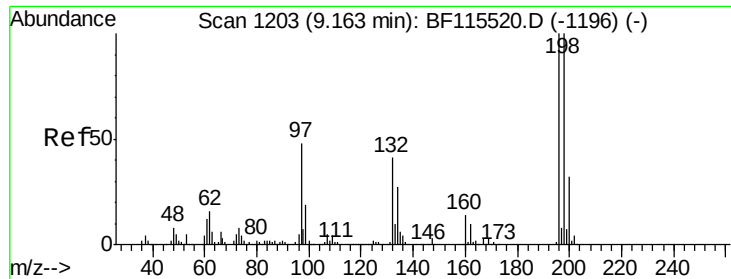
Acq: 12 Jul 2019 22:26

Tgt Ion:	330	Resp:	434336
Ion Ratio	Lower	Upper	
330	100		
332	96.3	77.4	116.2
141	31.0	22.4	33.6



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





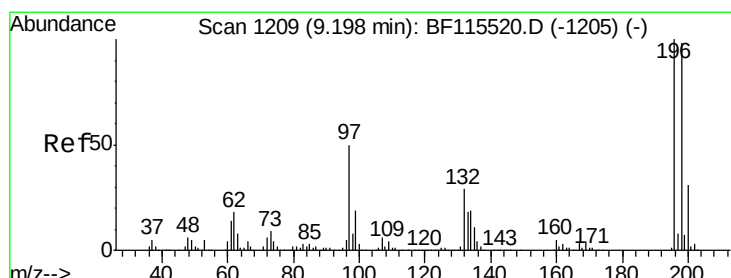
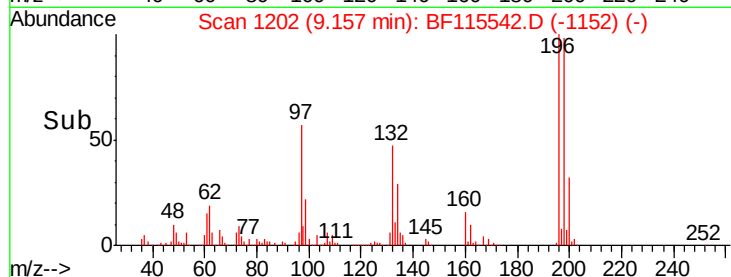
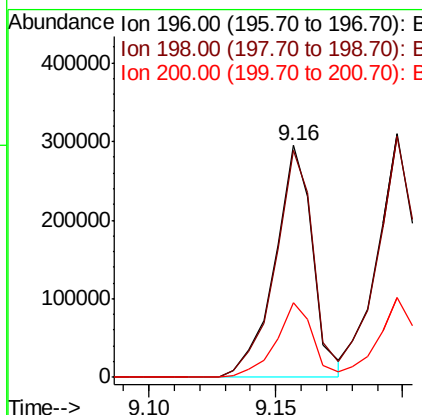
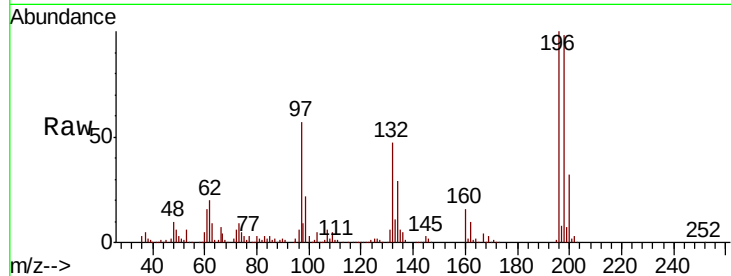
#43
 2,4,6-Trichlorophenol
 Concen: 45.437 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF115542.D
 Acq: 12 Jul 2019 22:26

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-071019-AMS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	307681		
198	98.1	80.6	121.0	
200	32.3	25.8	38.6	

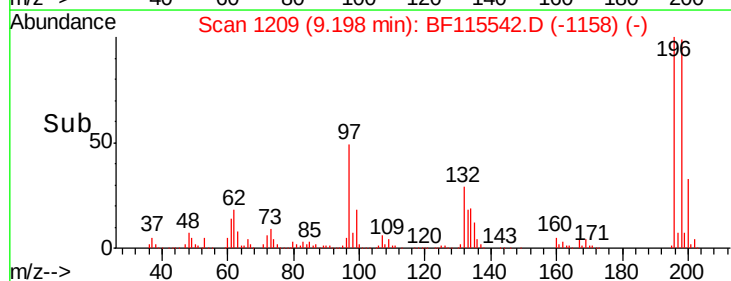
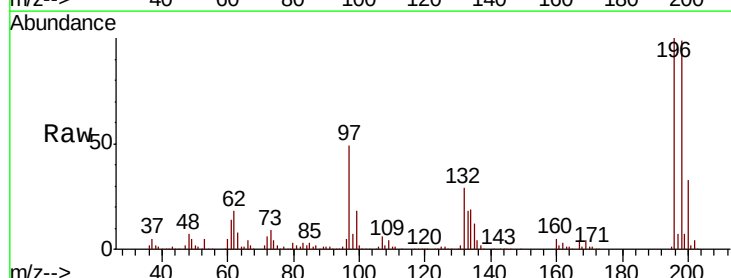
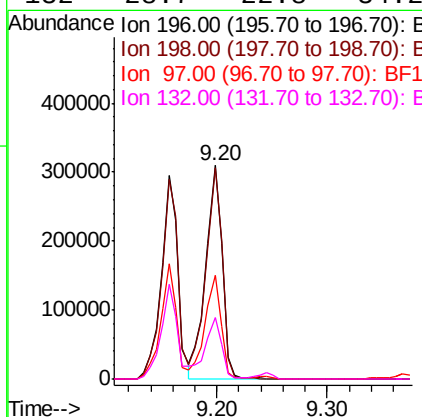
Manual Integrations
 APPROVED

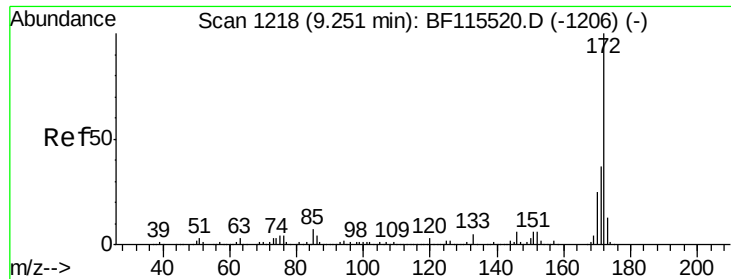
mohammad
 7/15/2019 2:57:35 PM



#44
 2,4,5-Trichlorophenol
 Concen: 44.932 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.00 min
 Lab File: BF115542.D
 Acq: 12 Jul 2019 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	311600		
198	99.1	79.6	119.4	
97	48.6	37.8	56.6	
132	28.7	22.8	34.2	





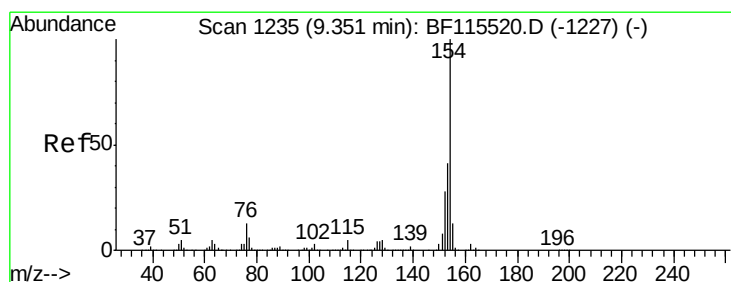
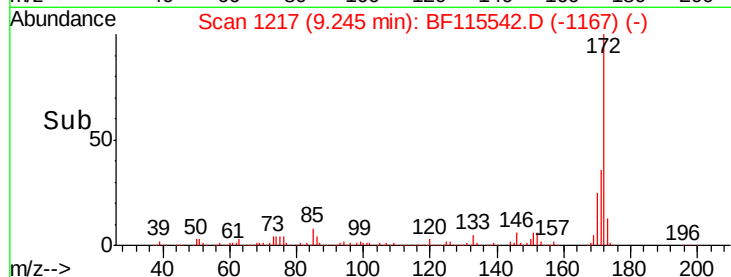
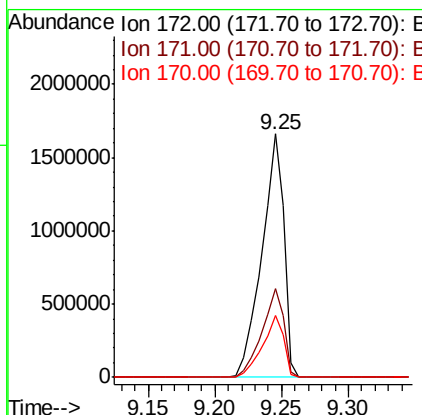
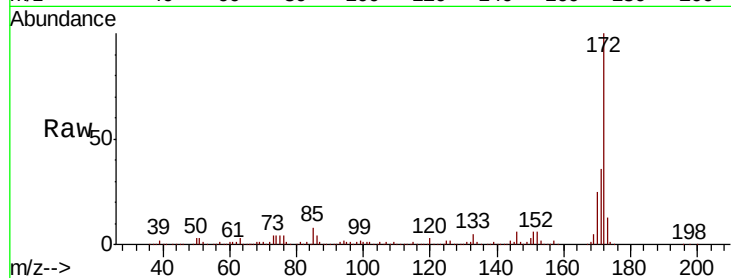
#45
2-Fluorobiphenyl
Concen: 107.533 ng
RT: 9.25 min Scan# 1217
Delta R.T. -0.01 min
Lab File: BF115542.D
Acq: 12 Jul 2019 22:26

Instrument :
BNA_F
ClientSampleId :
OK-03-071019-AMS

Tot Ion	Ion	Ratio	Lower	Upper
172	100			
171	36.5	30.6	46.0	
170	25.2	20.5	30.7	

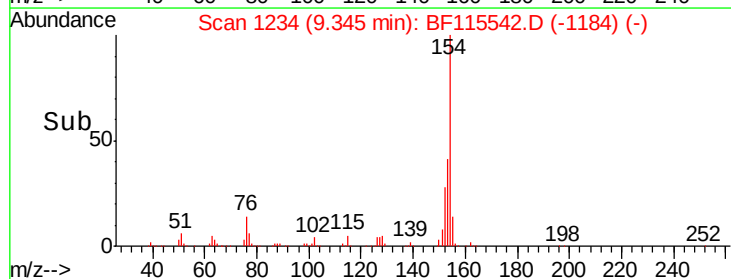
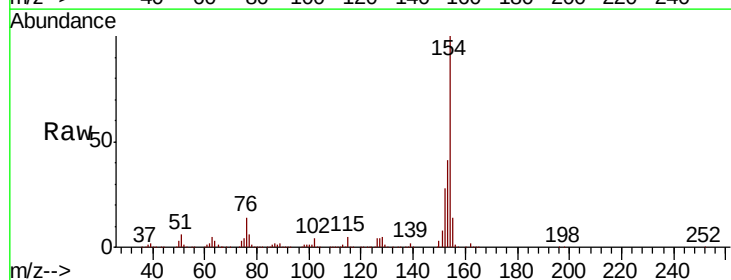
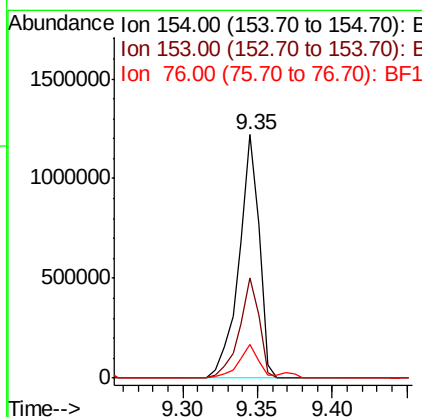
Manual Integrations
APPROVED

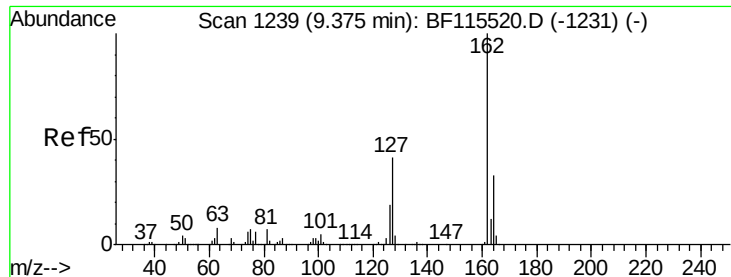
mohammad
7/15/2019 2:57:35 PM



#46
1,1'-Biphenyl
Concen: 47.788 ng
RT: 9.35 min Scan# 1234
Delta R.T. -0.01 min
Lab File: BF115542.D
Acq: 12 Jul 2019 22:26

Tgt Ion	Ion	Ratio	Lower	Upper
154	100			
153	41.2	22.6	62.6	
76	14.0	0.0	33.4	





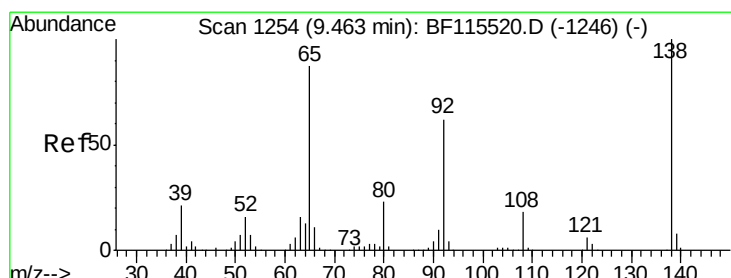
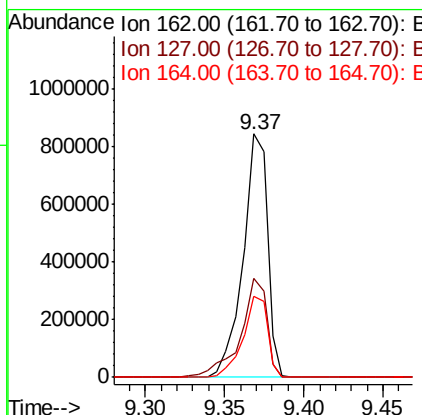
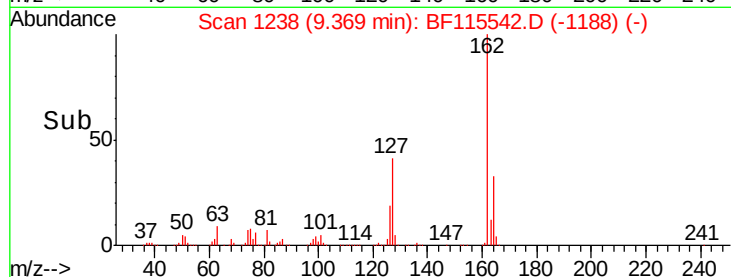
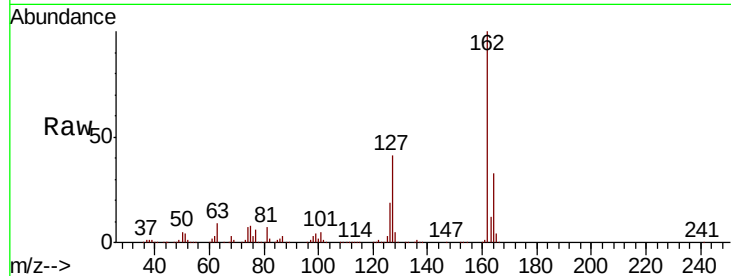
#47
2-Chloronaphthalene
Concen: 45.123 ng
RT: 9.37 min Scan# 1238
Delta R.T. -0.01 min
Lab File: BF115542.D
Acq: 12 Jul 2019 22:26

Instrument :
BNA_F
ClientSampleId :
OK-03-071019-AMS

Tot Ion	Ratio	Lower	Upper
162	100		
127	40.6	34.1	51.1
164	33.4	27.4	41.2

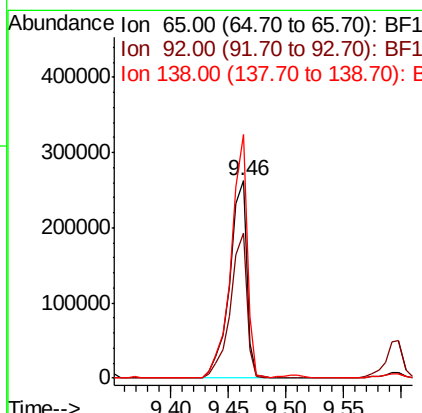
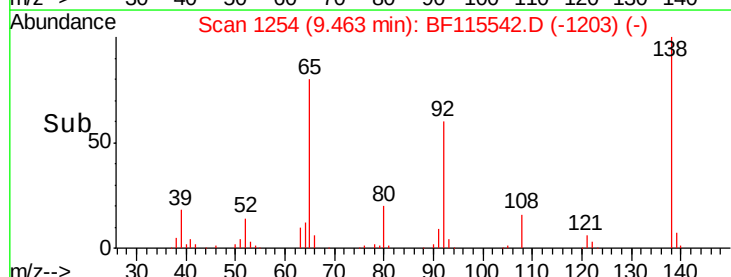
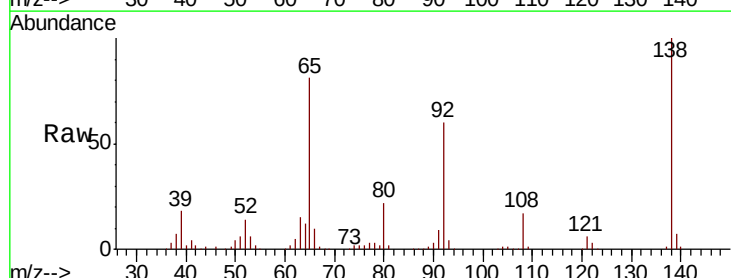
Manual Integrations
APPROVED

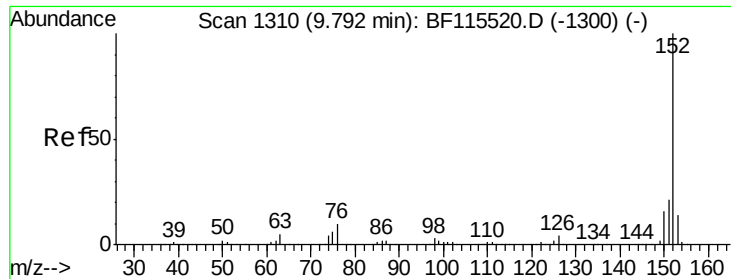
mohammad
7/15/2019 2:57:35 PM



#48
2-Nitroaniline
Concen: 43.725 ng
RT: 9.46 min Scan# 1254
Delta R.T. -0.00 min
Lab File: BF115542.D
Acq: 12 Jul 2019 22:26

Tgt Ion	Ratio	Lower	Upper
65	100		
92	73.6	57.8	86.6
138	123.5	91.2	136.8





#49

Acenaphthylene

Concen: 45.742 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF115542.D

Acq: 12 Jul 2019 22:26

Instrument :

BNA_F

ClientSampleId :

OK-03-071019-AMS

Tot Ion:152 Resp: 1356721

Ion Ratio Lower Upper

152 100

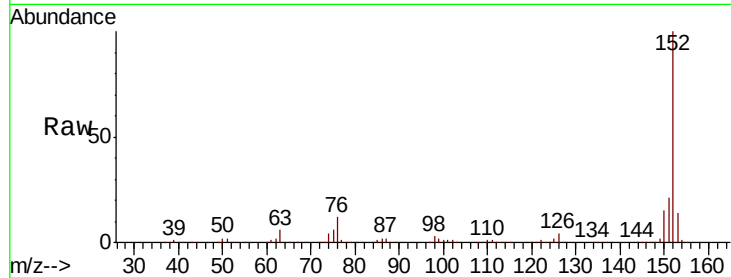
151 20.8 17.7 26.5

153 14.2 12.0 18.0

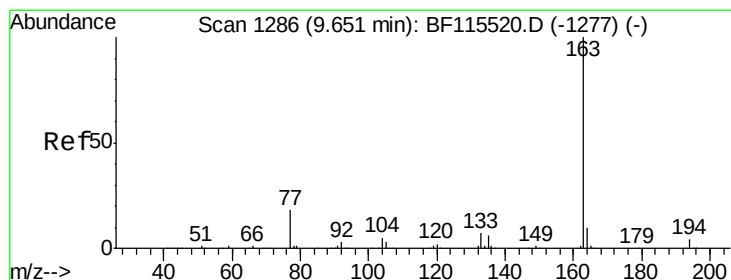
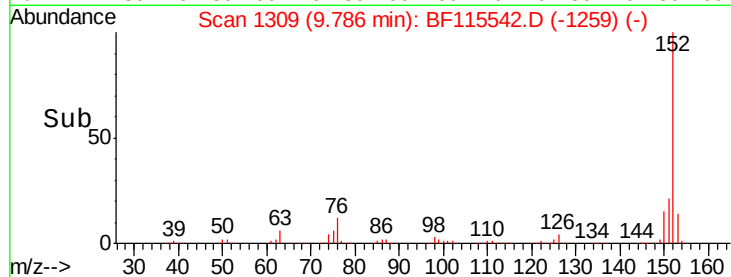
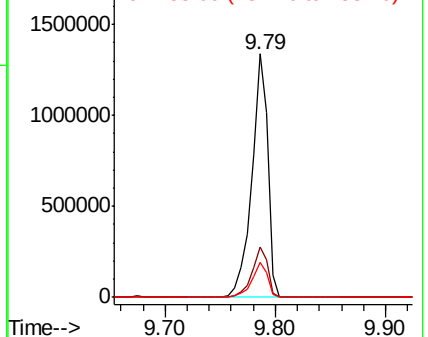
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 46.187 ng

RT: 9.65 min Scan# 1285

Delta R.T. -0.01 min

Lab File: BF115542.D

Acq: 12 Jul 2019 22:26

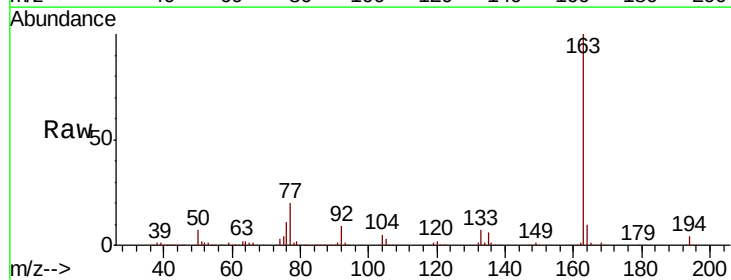
Tgt Ion:163 Resp: 1068547

Ion Ratio Lower Upper

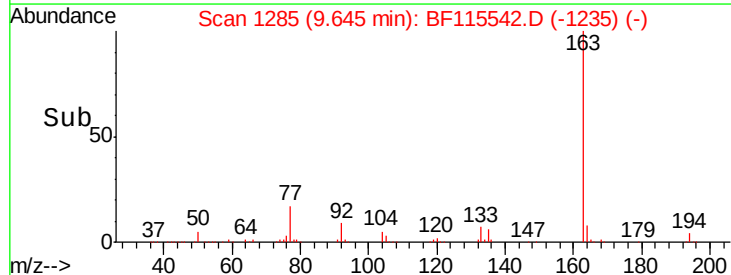
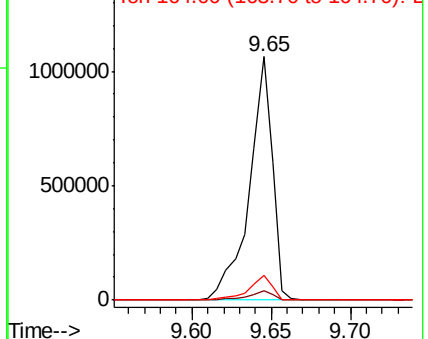
163 100

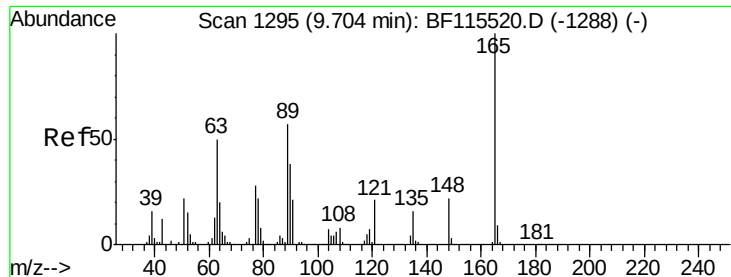
194 4.0 3.3 4.9

164 10.4 8.7 13.1



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





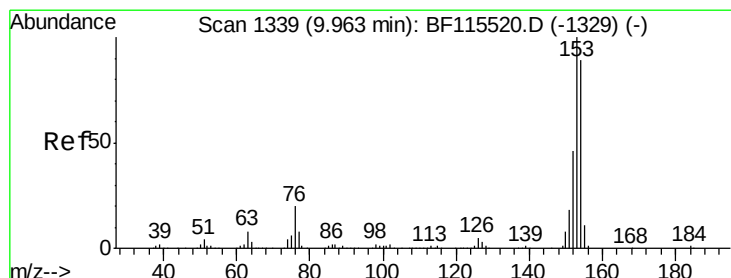
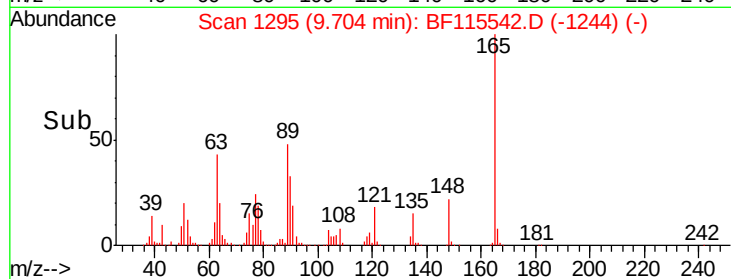
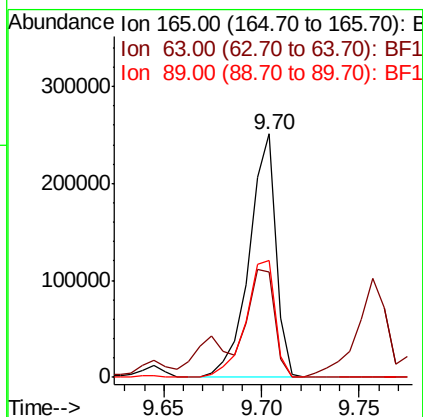
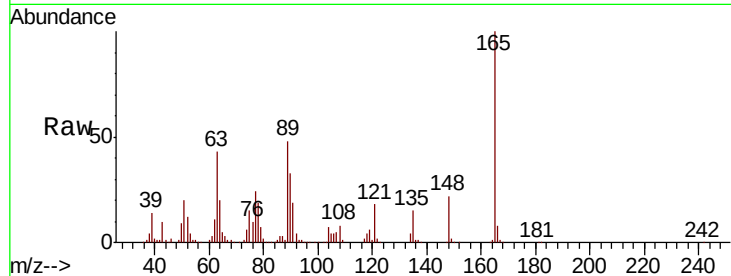
#51
2,6-Dinitrotoluene
Concen: 45.478 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.00 min
Lab File: BF115542.D
Acq: 12 Jul 2019 22:26

Instrument :
BNA_F
ClientSampleId :
OK-03-071019-AMS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	239108		
63	43.5		40.6	61.0
89	47.9		43.9	65.9

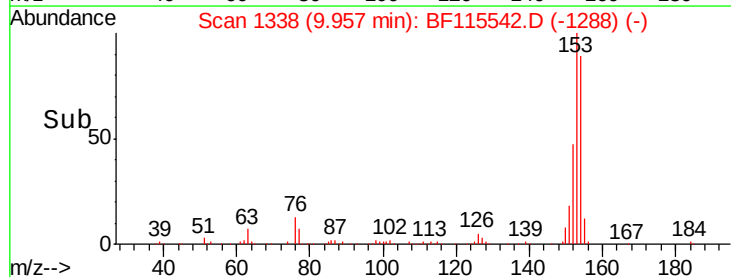
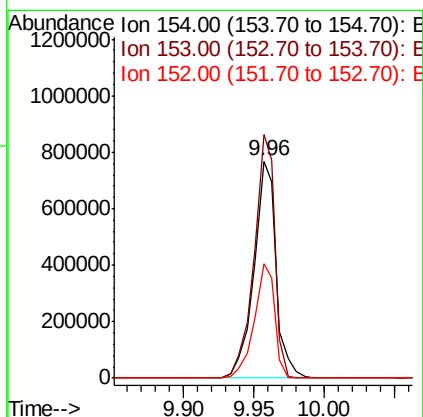
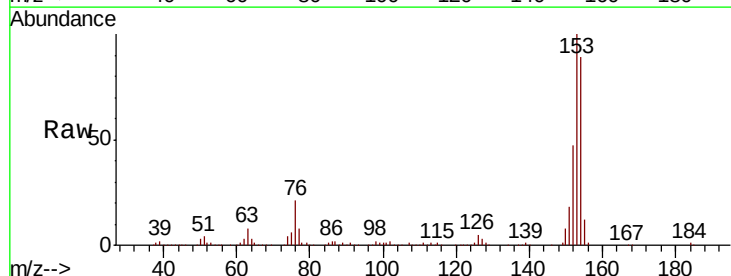
Manual Integrations
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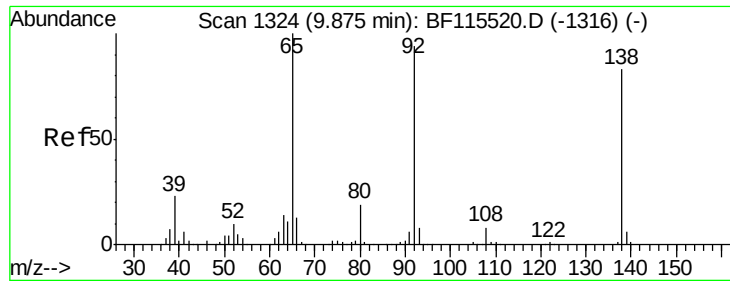
mohammad
7/15/2019 2:57:35 PM



#52
Acenaphthene
Concen: 44.487 ng
RT: 9.96 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BF115542.D
Acq: 12 Jul 2019 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	851876		
153	112.2		88.6	133.0
152	52.8		42.3	63.5





#53

3-Nitroaniline

Concen: 17.105 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.01 min

Lab File: BF115542.D

Acq: 12 Jul 2019 22:26

Instrument :

BNA_F

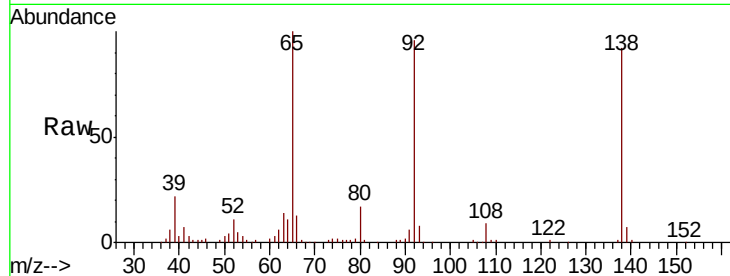
ClientSampleId :

OK-03-071019-AMS

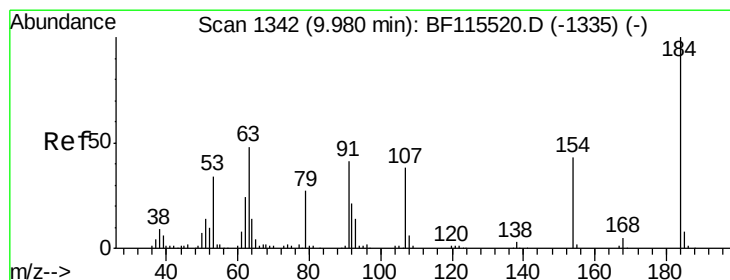
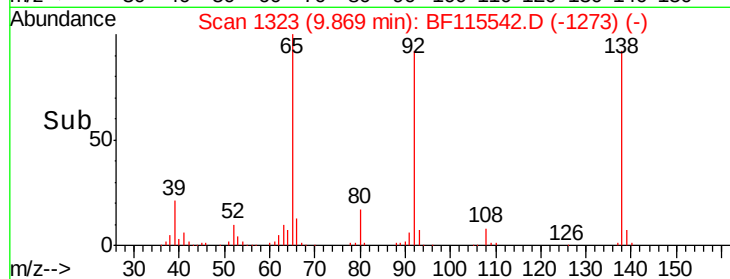
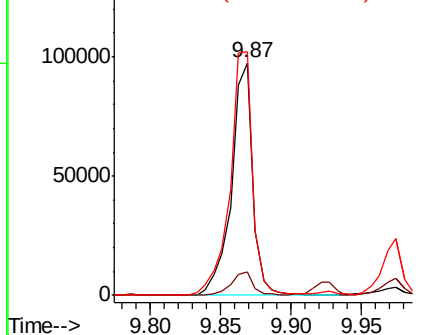
Tot Ion:	138	Resp:	102769
Ion Ratio	Lower	Upper	
138	100		
108	9.9	8.4	12.6
92	104.7	88.0	132.0

Manual Integrations
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Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1



#54

2,4-Dinitrophenol

Concen: 34.850 ng

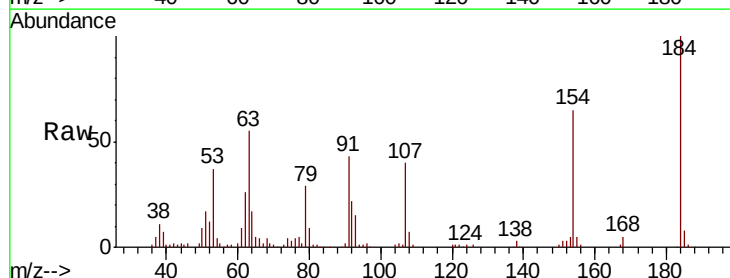
RT: 9.97 min Scan# 1341

Delta R.T. -0.01 min

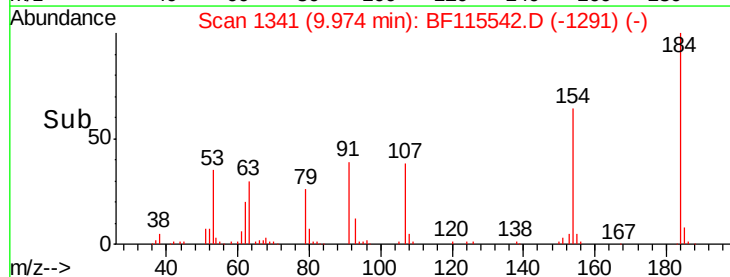
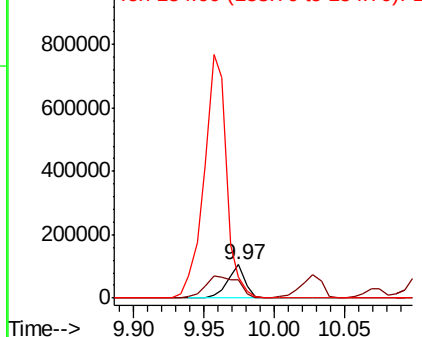
Lab File: BF115542.D

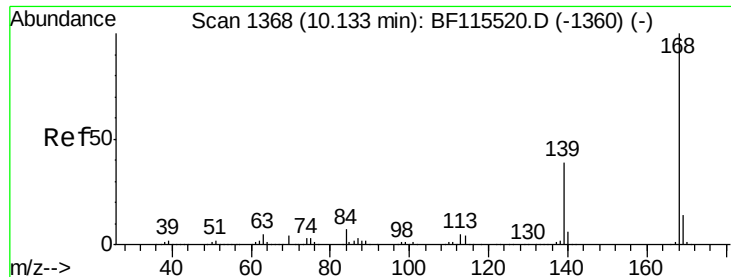
Acq: 12 Jul 2019 22:26

Tgt Ion:	184	Resp:	94074
Ion Ratio	Lower	Upper	
184	100		
63	54.8	48.7	73.1
154	64.5	48.6	73.0



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E





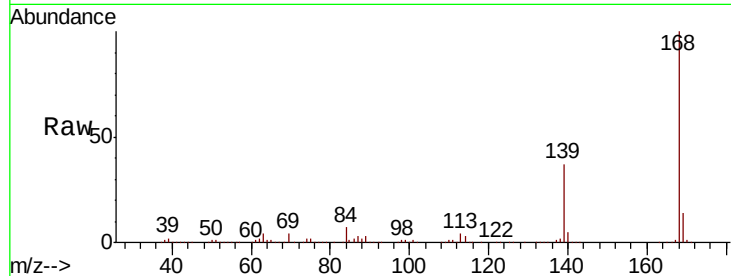
#55
Dibenzenofuran
Concen: 44.631 ng
RT: 10.13 min Scan# 1368
Delta R.T. -0.00 min
Lab File: BF115542.D
Acq: 12 Jul 2019 22:26

Instrument :
BNA_F
ClientSampleId :
OK-03-071019-AMS

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.1	31.1	46.7
169	13.6	11.1	16.7

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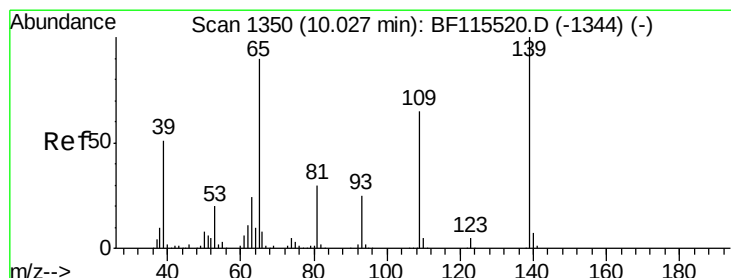
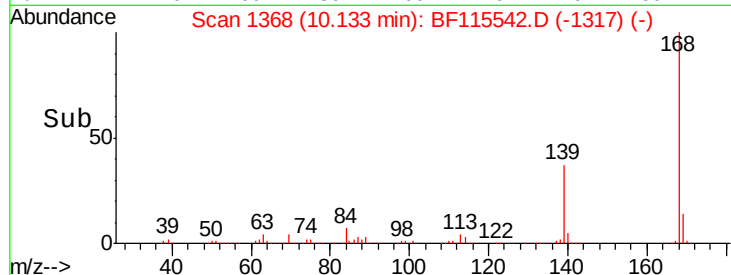
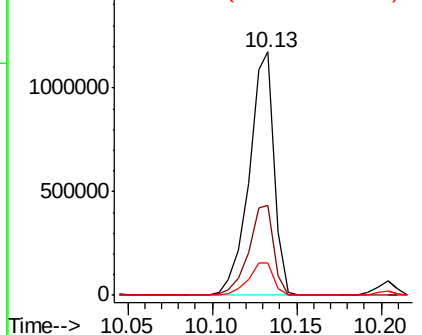


Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56
4-Nitrophenol
Concen: 71.127 ng
RT: 10.03 min Scan# 1350
Delta R.T. -0.00 min
Lab File: BF115542.D
Acq: 12 Jul 2019 22:26

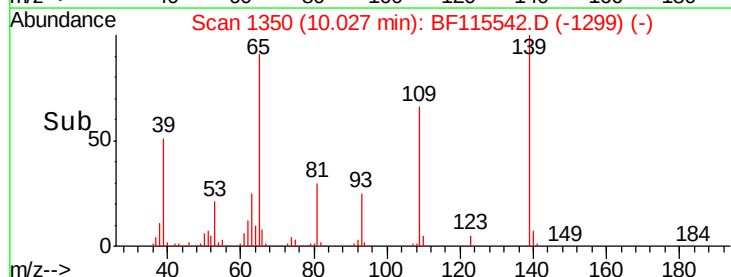
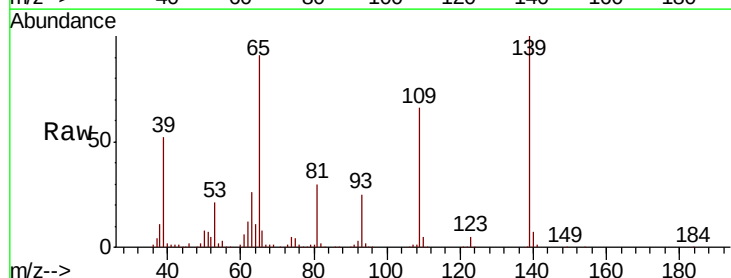
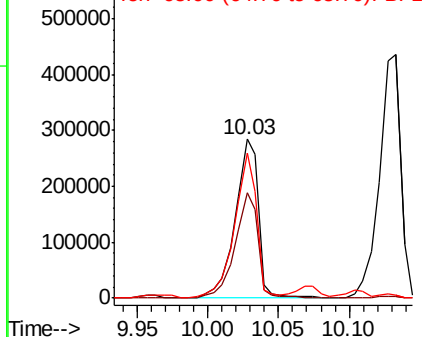
Tgt Ion	Ratio	Lower	Upper
139	100		
109	66.4	46.4	86.4
65	91.2	68.9	108.9

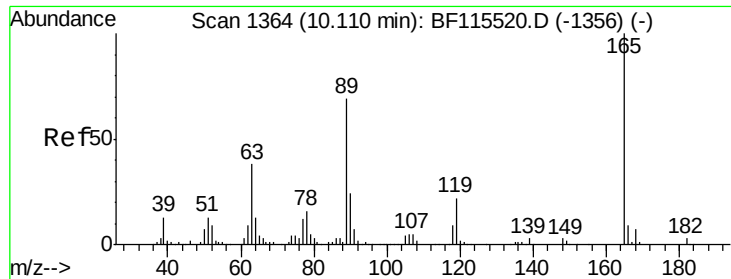
Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





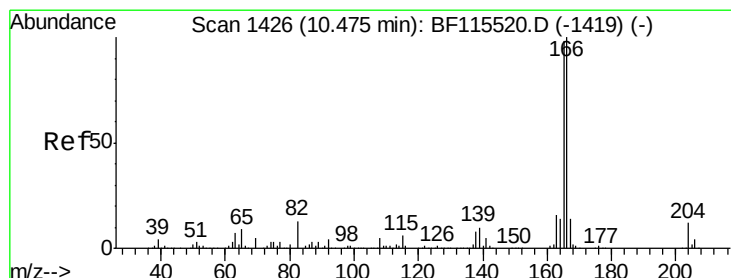
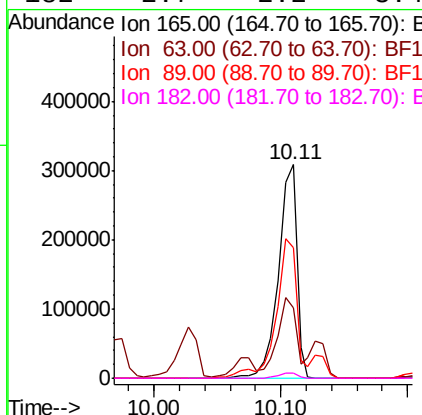
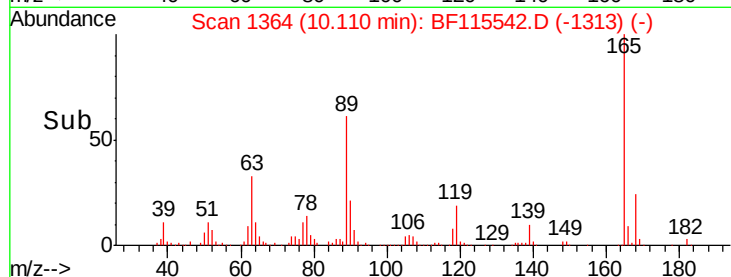
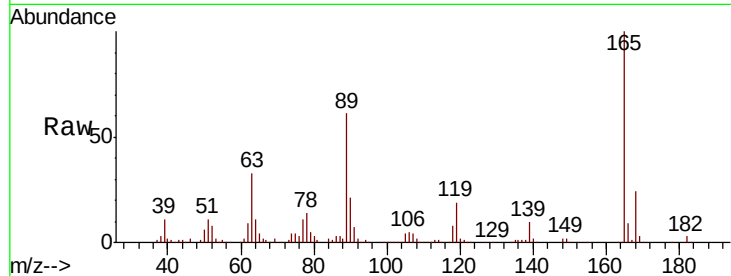
#57
2,4-Dinitrotoluene
Concen: 45.568 ng
RT: 10.11 min Scan# 1364
Delta R.T. -0.00 min
Lab File: BF115542.D
Acq: 12 Jul 2019 22:26

Instrument :
BNA_F
ClientSampleId :
OK-03-071019-AMS

Tot Ion	Ratio	Resp	Lower	Upper
165	100			
63	33.3	34.9	52.3	
89	61.4	57.5	86.3	
182	2.7	2.2	3.4	

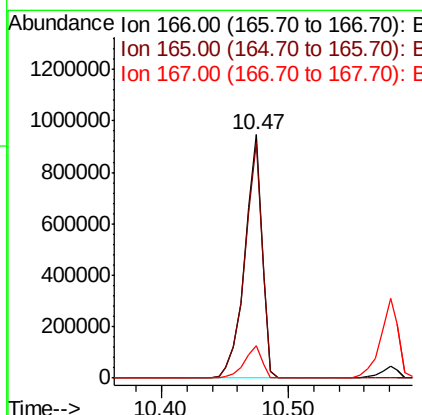
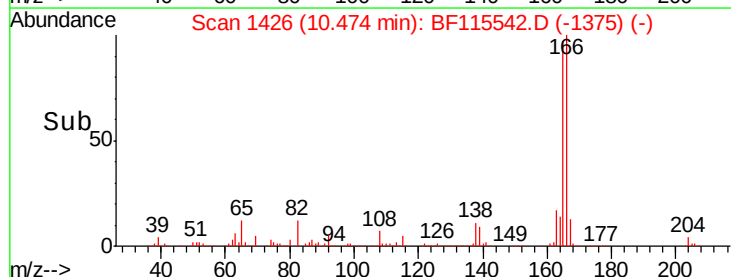
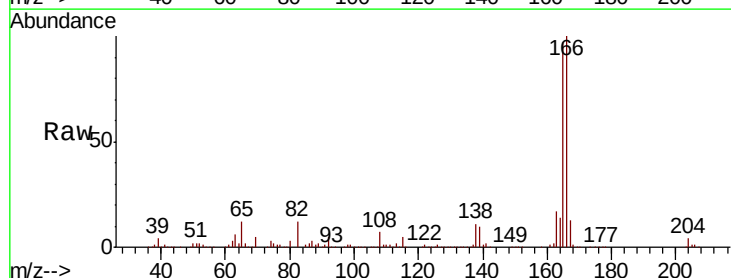
Manual Integrations
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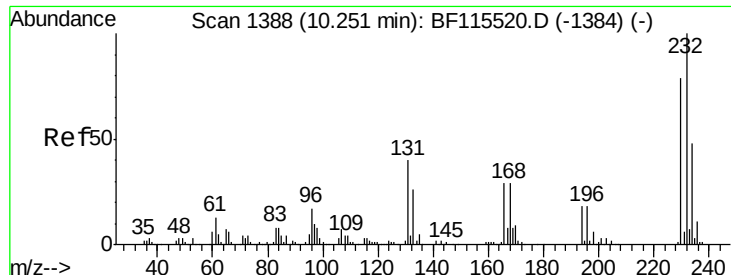
mohammad
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#58
Fluorene
Concen: 45.342 ng
RT: 10.47 min Scan# 1426
Delta R.T. -0.00 min
Lab File: BF115542.D
Acq: 12 Jul 2019 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	97.1	79.8	119.6	
167	13.1	11.2	16.8	





#59

2,3,4,6-Tetrachlorophenol

Concen: 43.886 ng

RT: 10.24 min Scan# 1387

Delta R.T. -0.01 min

Lab File: BF115542.D

Acq: 12 Jul 2019 22:26

Instrument :

BNA_F

ClientSampleId :

OK-03-071019-AMS

Tot Ion:232 Resp: 254416

Ion Ratio Lower Upper

232 100

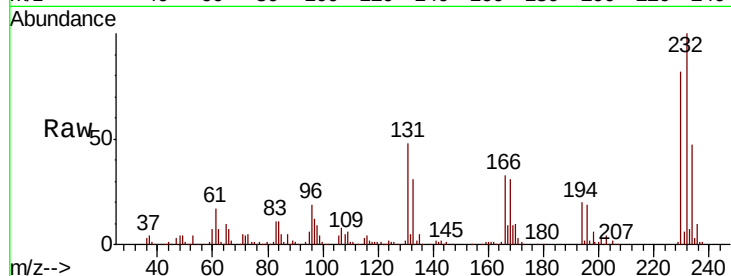
131 43.6 35.9 53.9

130 2.1 1.8 2.6

166 30.8 24.8 37.2

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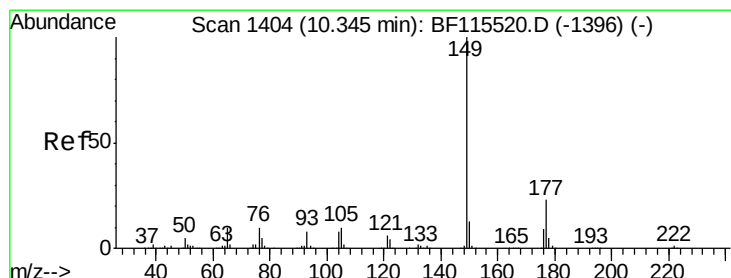
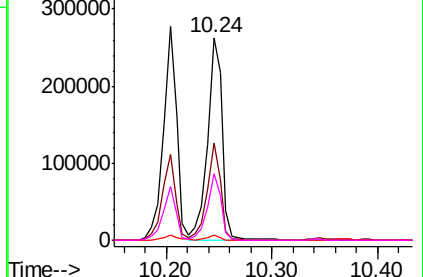
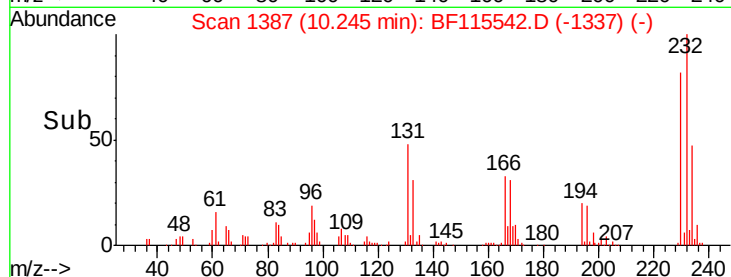


Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60

Diethylphthalate

Concen: 46.814 ng

RT: 10.35 min Scan# 1404

Delta R.T. -0.00 min

Lab File: BF115542.D

Acq: 12 Jul 2019 22:26

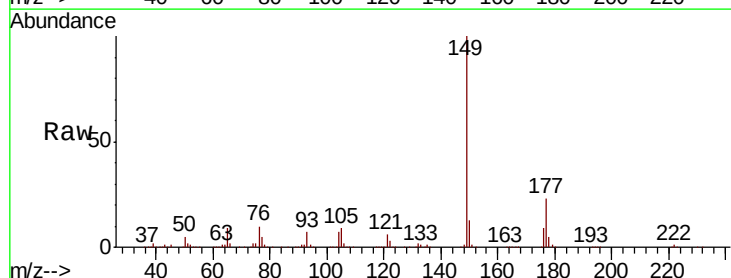
Tgt Ion:149 Resp: 1014763

Ion Ratio Lower Upper

149 100

177 23.4 19.5 29.3

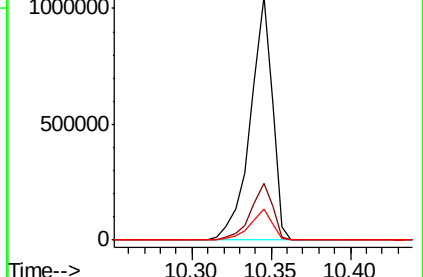
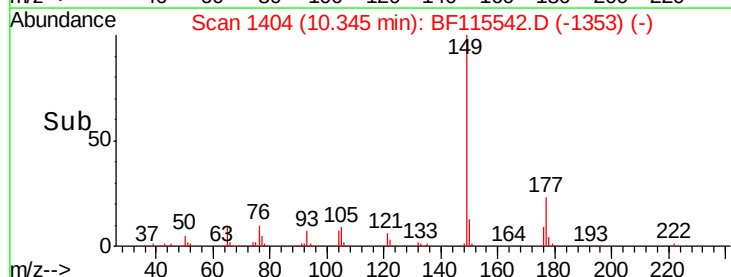
150 12.9 10.4 15.6

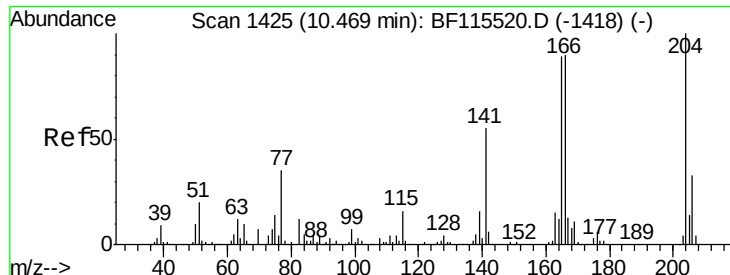


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





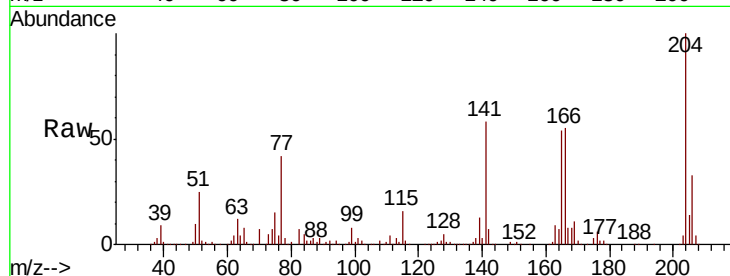
#61
4-Chlorophenyl-phenylether
Concen: 43.168 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BF115542.D
Acq: 12 Jul 2019 22:26

Instrument :
BNA_F
ClientSampleId :
OK-03-071019-AMS

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.7	40.1
141	58.4	44.2	66.2

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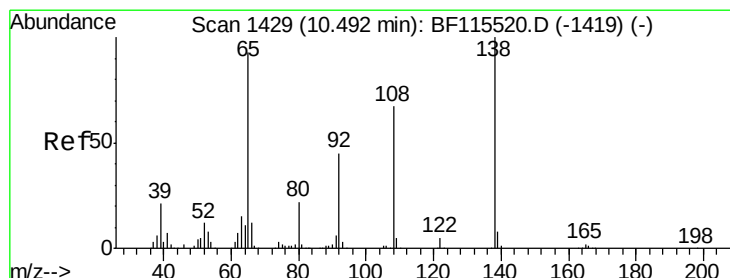
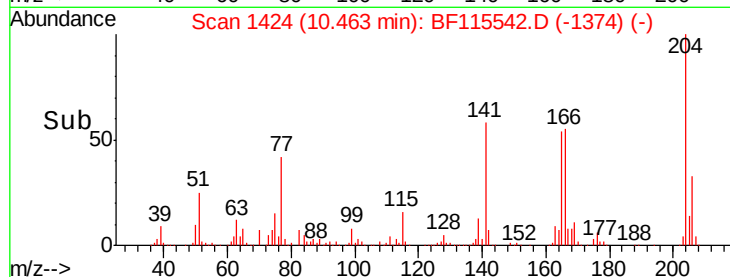
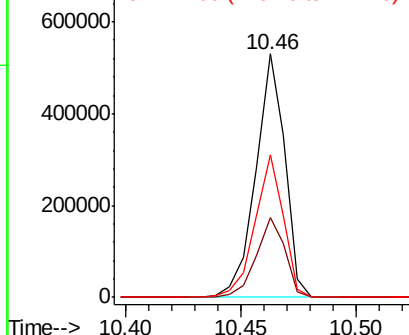


Abundance

Ion 204.00 (203.70 to 204.70): E

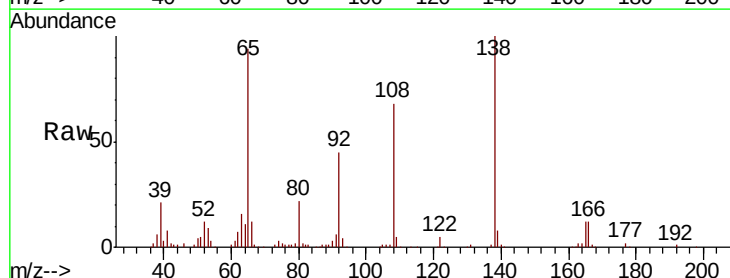
Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62
4-Nitroaniline
Concen: 38.691 ng
RT: 10.49 min Scan# 1428
Delta R.T. -0.01 min
Lab File: BF115542.D
Acq: 12 Jul 2019 22:26

Tgt Ion	Ratio	Lower	Upper
138	100		
92	45.3	27.1	67.1
108	67.9	48.0	88.0

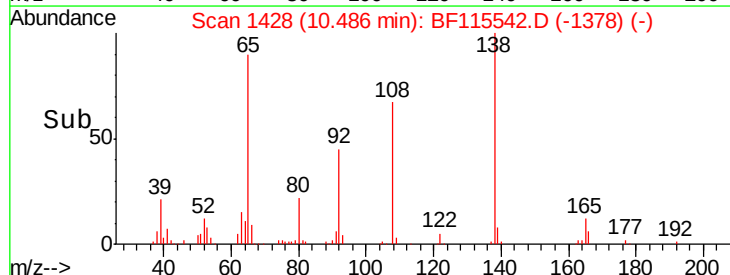
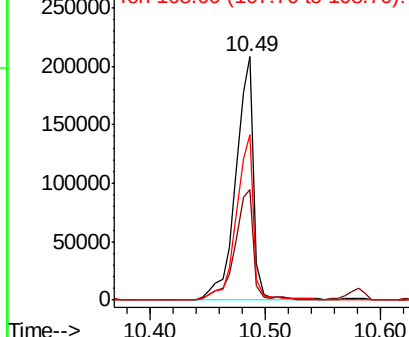


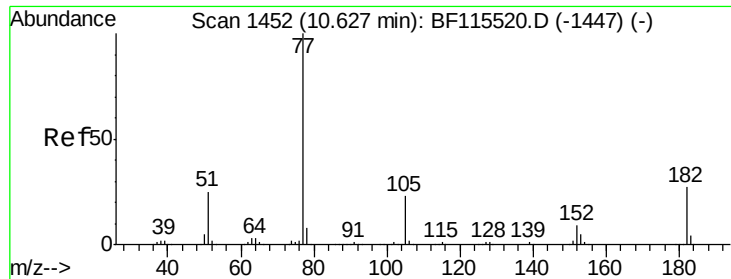
Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E





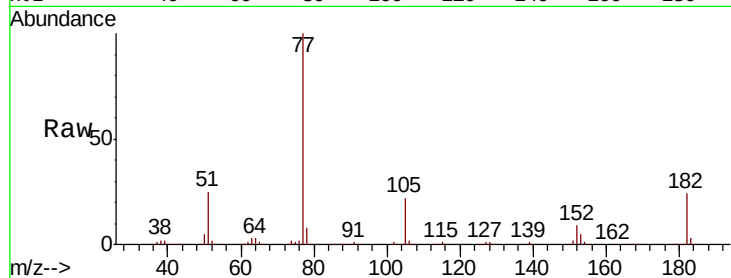
#63
Azobenzene
Concen: 45.949 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BF115542.D
Acq: 12 Jul 2019 22:26

Instrument :
BNA_F
ClientSampleId :
OK-03-071019-AMS

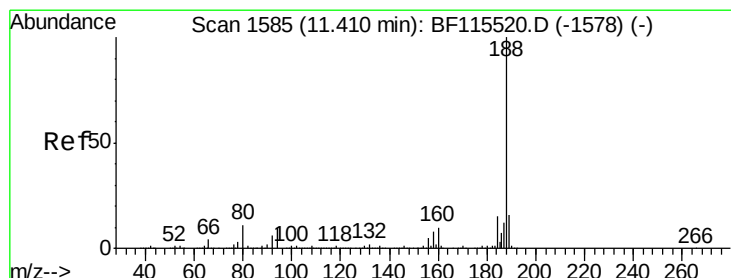
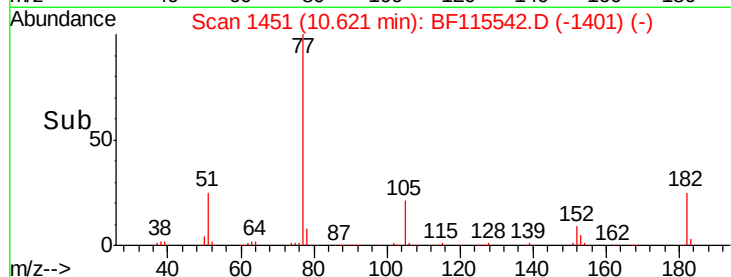
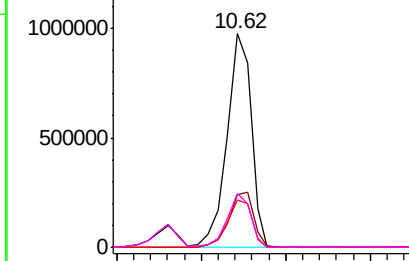
Tot Ion:	77	Resp:	966110
Ion Ratio	Lower	Upper	
77	100		
182	24.5	6.9	46.9
105	22.4	3.9	43.9
51	25.2	7.3	47.3

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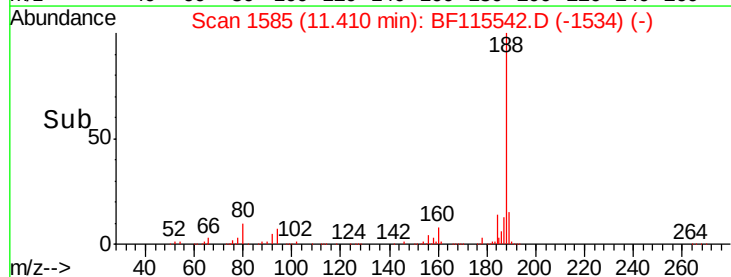
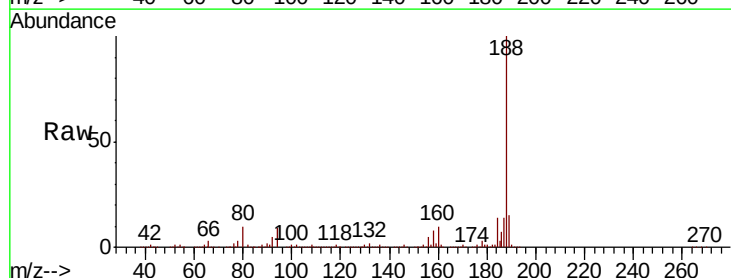
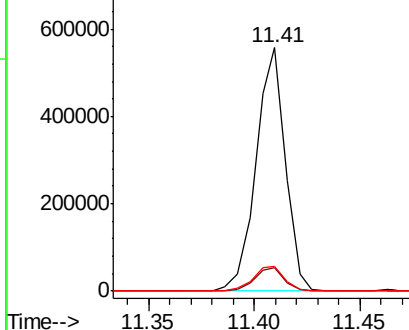
Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF1

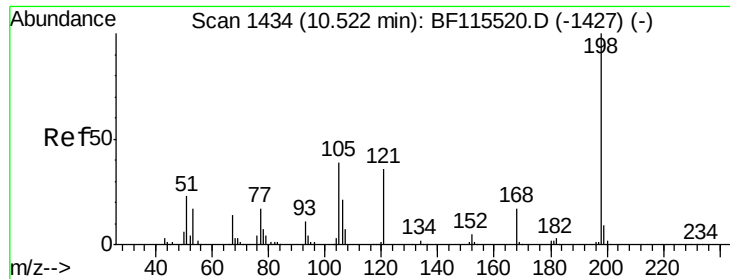


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.00 min
Lab File: BF115542.D
Acq: 12 Jul 2019 22:26

Tgt Ion:	188	Resp:	538891
Ion Ratio	Lower	Upper	
188	100		
94	9.5	7.8	11.6
80	10.1	8.6	13.0

Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 24.896 ng

RT: 10.52 min Scan# 1433

Delta R.T. -0.01 min

Lab File: BF115542.D

Acq: 12 Jul 2019 22:26

Instrument :

BNA_F

ClientSampleId :

OK-03-071019-AMS

Tot Ion:198 Resp: 81969

Ion Ratio Lower Upper

198 100

51 32.5 19.1 59.1

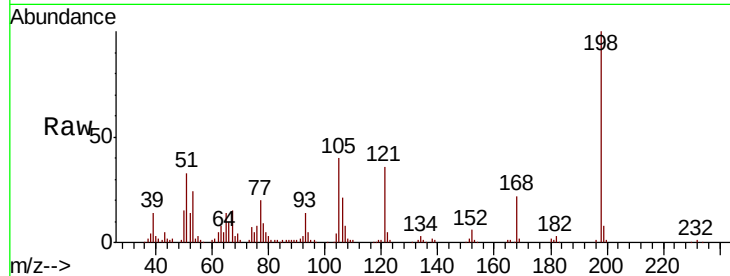
105 39.6 23.6 63.6

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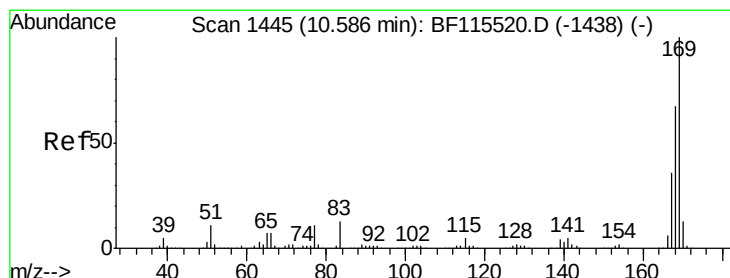
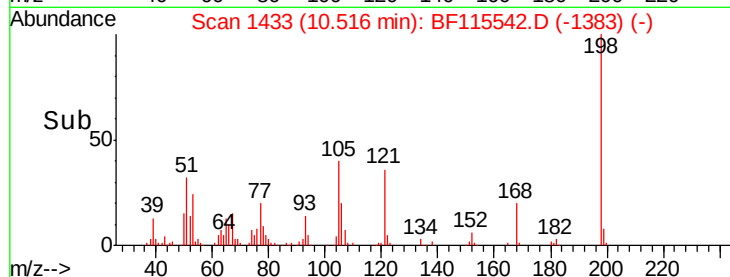
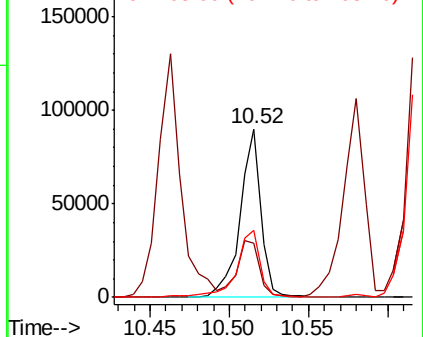
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Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 49.498 ng

RT: 10.58 min Scan# 1444

Delta R.T. -0.01 min

Lab File: BF115542.D

Acq: 12 Jul 2019 22:26

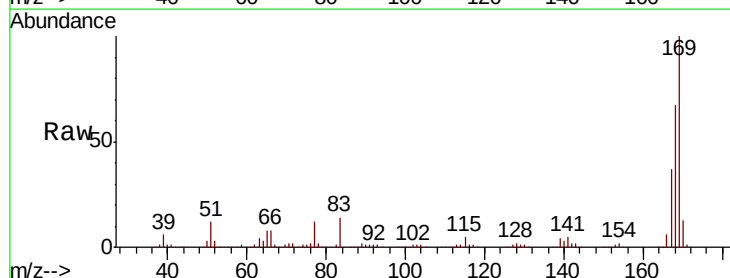
Tgt Ion:169 Resp: 829741

Ion Ratio Lower Upper

169 100

168 67.0 54.3 81.5

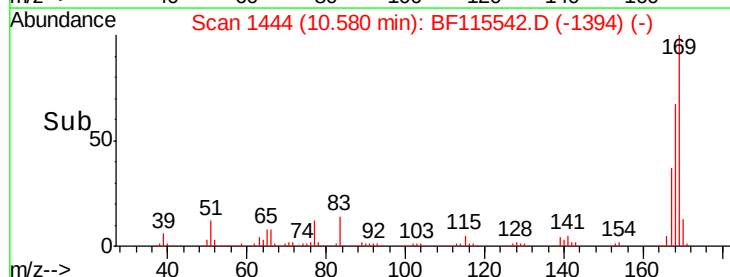
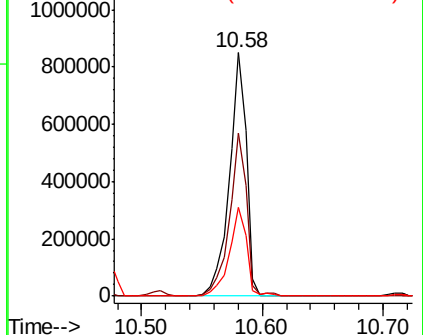
167 36.7 30.2 45.2

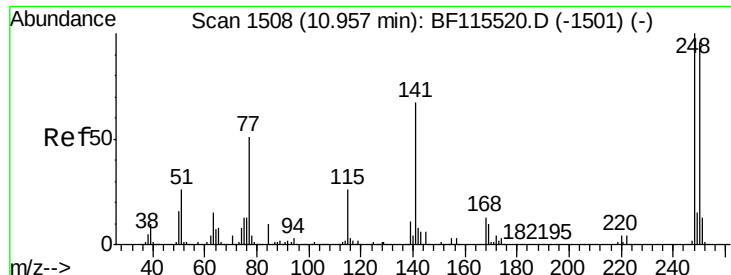


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





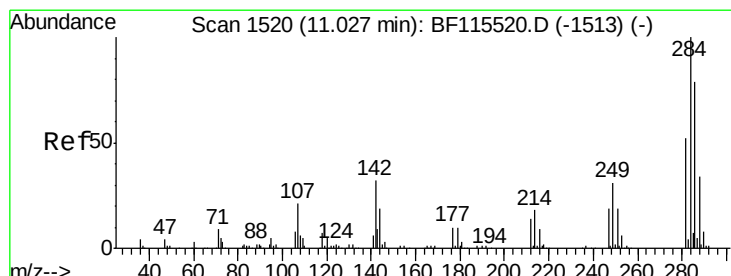
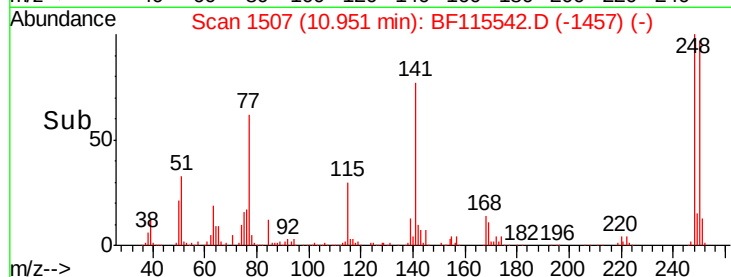
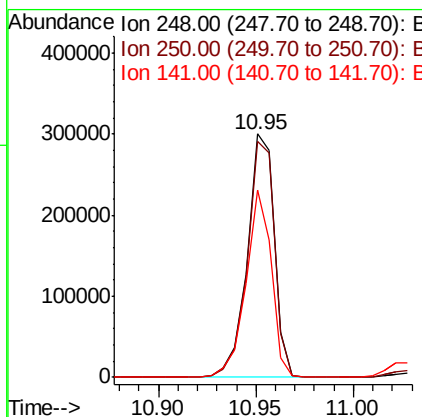
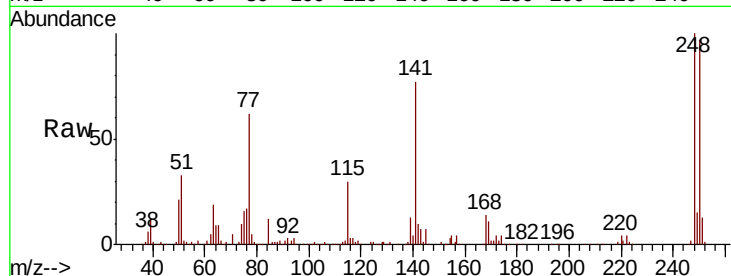
#67
 4-Bromophenyl-phenylether
 Concen: 46.769 ng
 RT: 10.95 min Scan# 1507
 Delta R.T. -0.01 min
 Lab File: BF115542.D
 Acq: 12 Jul 2019 22:26

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-071019-AMS

Tot Ion:	248	Resp:	288013
Ion Ratio	Lower	Upper	
248	100		
250	97.1	78.0	117.0
141	76.8	57.7	86.5

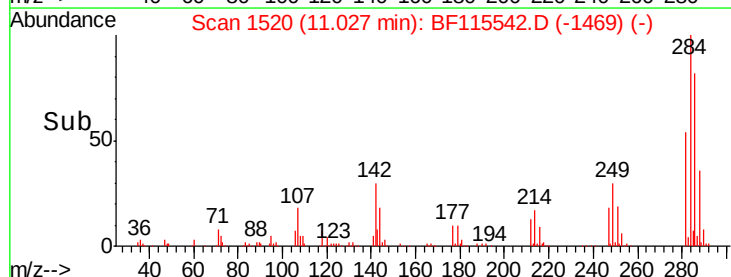
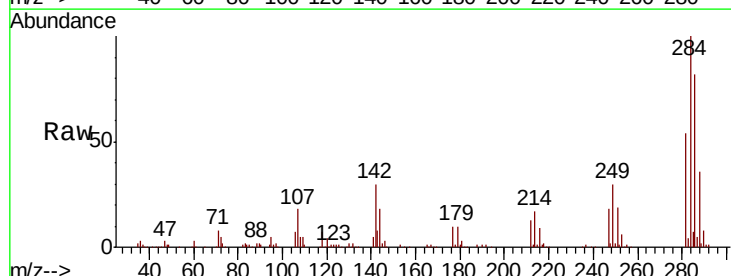
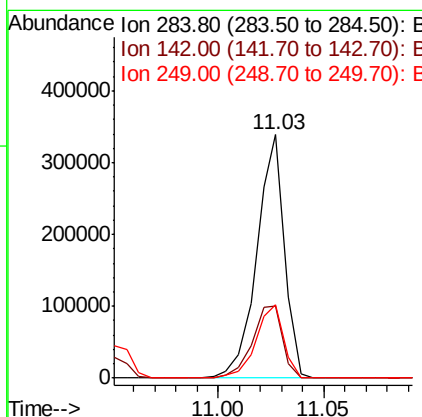
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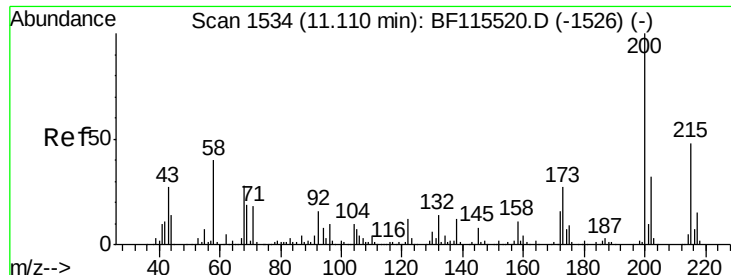
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#68
 Hexachlorobenzene
 Concen: 43.656 ng
 RT: 11.03 min Scan# 1520
 Delta R.T. -0.00 min
 Lab File: BF115542.D
 Acq: 12 Jul 2019 22:26

Tgt Ion:	284	Resp:	307018
Ion Ratio	Lower	Upper	
284	100		
142	29.8	22.2	33.2
249	30.1	23.4	35.2





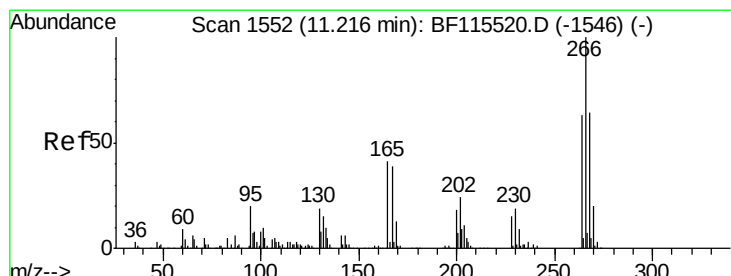
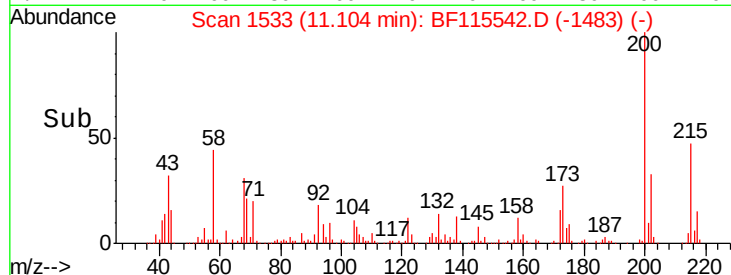
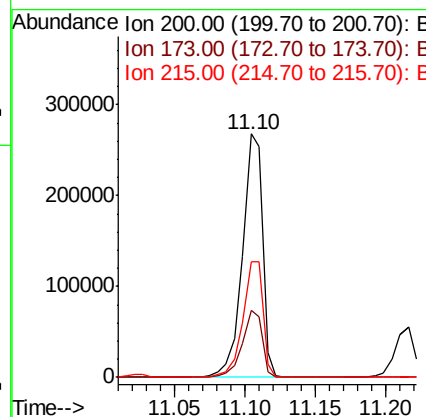
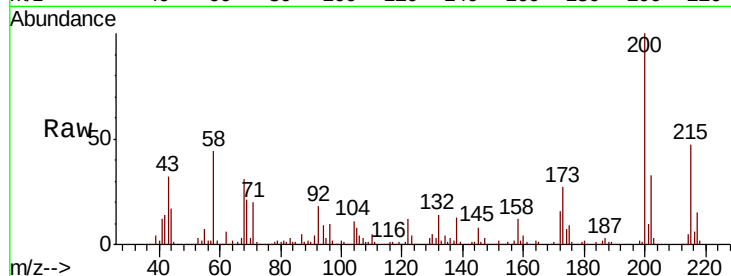
#69
Atrazine
Concen: 48.301 ng
RT: 11.10 min Scan# 1533
Delta R.T. -0.01 min
Lab File: BF115542.D
Acq: 12 Jul 2019 22:26

Instrument :
BNA_F
ClientSampleId :
OK-03-071019-AMS

Tot Ion	Ratio	Resp	Lower	Upper
200	100	265617		
173	27.5	6.9	46.9	
215	47.5	27.9	67.9	

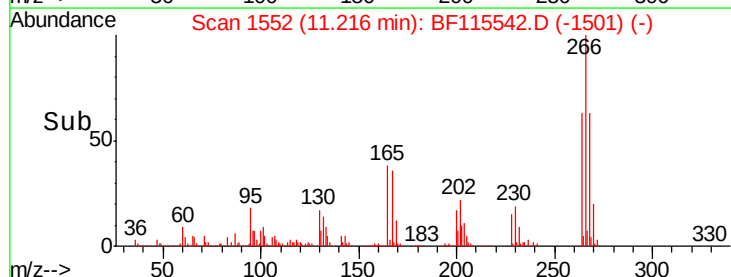
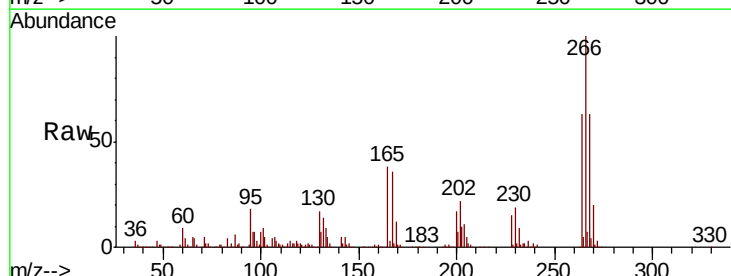
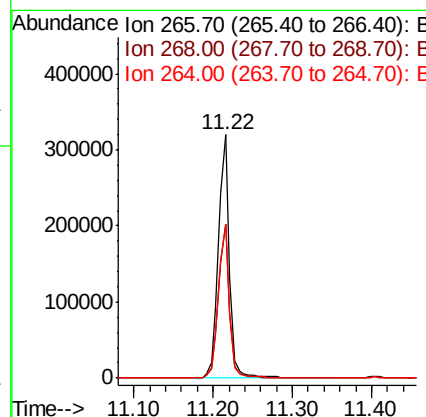
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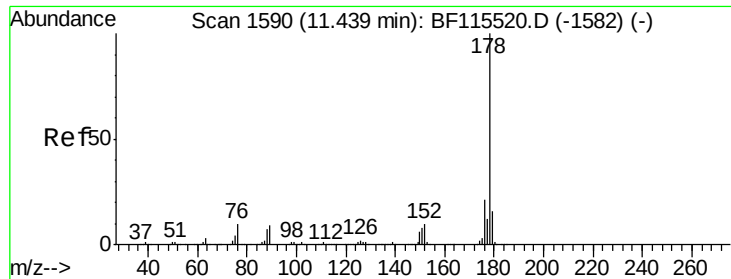
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#70
Pentachlorophenol
Concen: 72.253 ng
RT: 11.22 min Scan# 1552
Delta R.T. -0.00 min
Lab File: BF115542.D
Acq: 12 Jul 2019 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	310785		
268	63.2	51.6	77.4	
264	63.2	50.6	76.0	





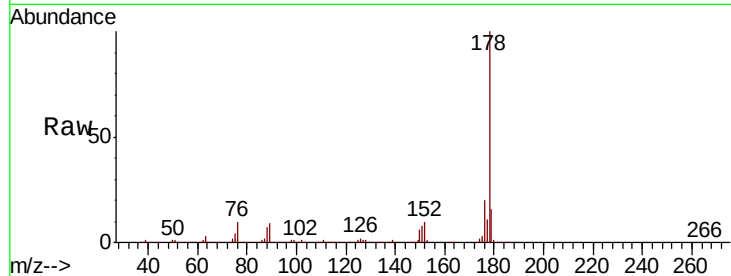
#71
Phenanthrene
Concen: 45.907 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF115542.D
Acq: 12 Jul 2019 22:26

Instrument :
BNA_F
ClientSampleId :
OK-03-071019-AMS

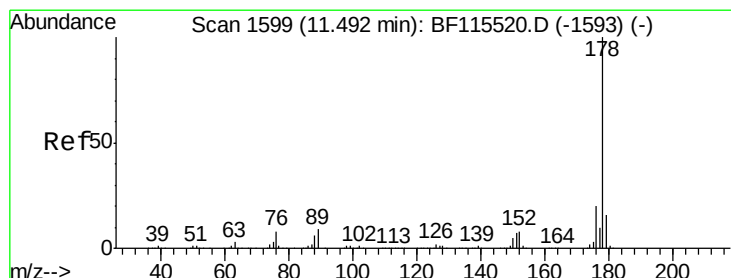
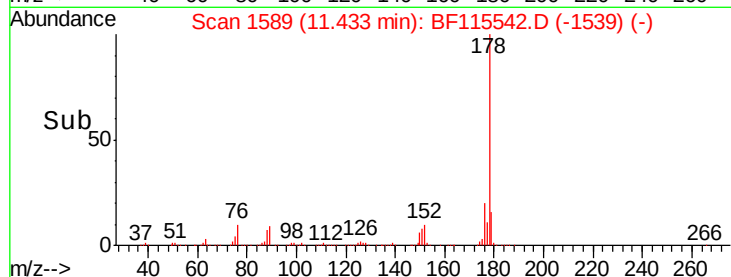
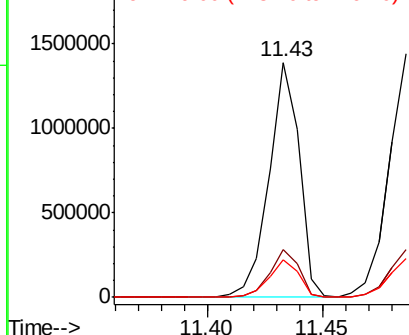
Tot Ion:178 Resp: 1268099
Ion Ratio Lower Upper
178 100
176 20.3 17.2 25.8
179 16.1 13.5 20.3

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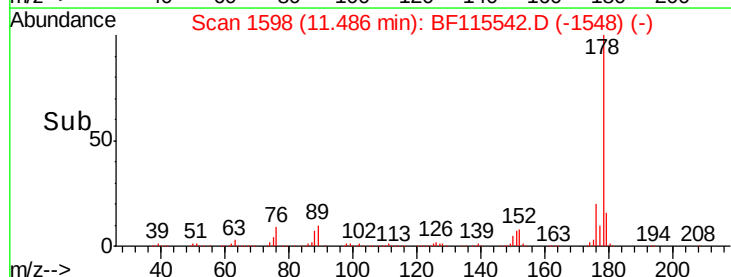
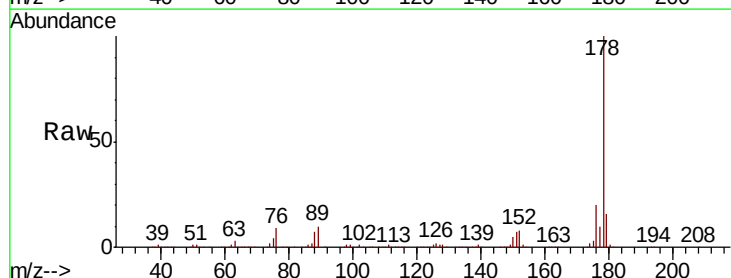
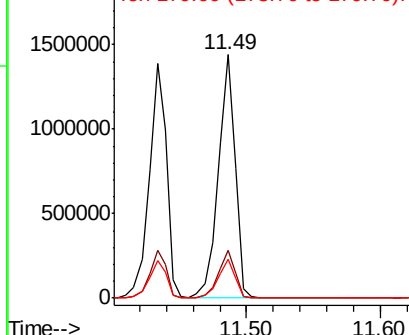
Abundance Ion 178.00 (177.70 to 178.70): E
2000000 Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

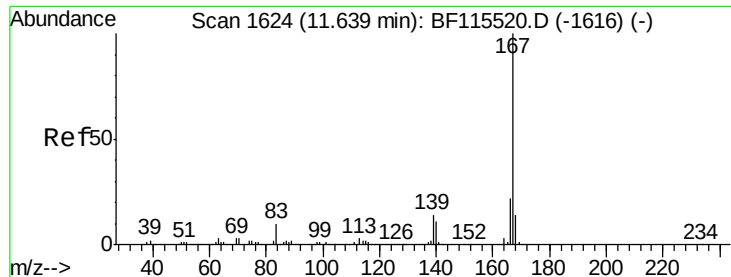


#72
Anthracene
Concen: 45.148 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.01 min
Lab File: BF115542.D
Acq: 12 Jul 2019 22:26

Tgt Ion:178 Resp: 1288865
Ion Ratio Lower Upper
178 100
176 19.6 15.9 23.9
179 15.9 12.7 19.1

Abundance Ion 178.00 (177.70 to 178.70): E
2000000 Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 44.856 ng

RT: 11.63 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BF115542.D

Acq: 12 Jul 2019 22:26

Instrument :

BNA_F

ClientSampleId :

OK-03-071019-AMS

Tot Ion:167 Resp: 1122914

Ion Ratio Lower Upper

167 100

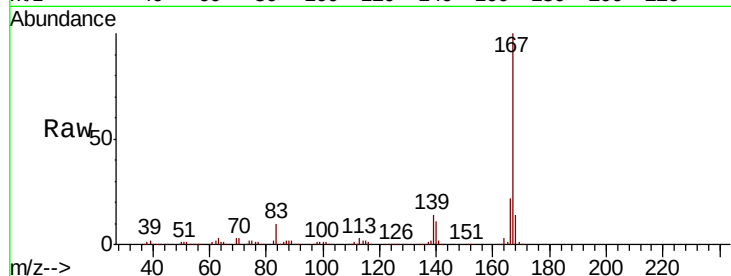
166 22.1 18.1 27.1

139 13.7 11.3 16.9

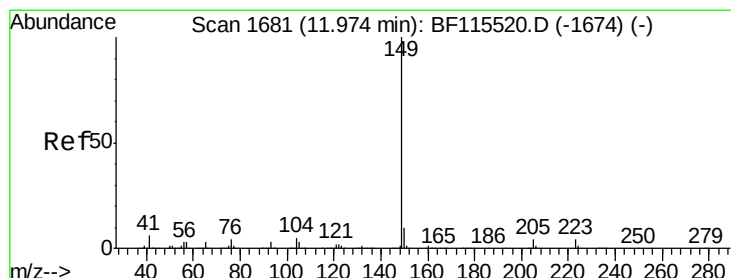
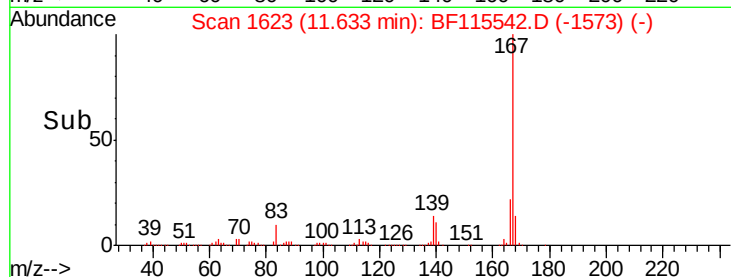
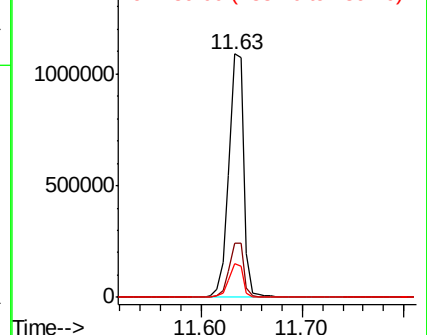
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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 47.709 ng

RT: 11.97 min Scan# 1680

Delta R.T. -0.01 min

Lab File: BF115542.D

Acq: 12 Jul 2019 22:26

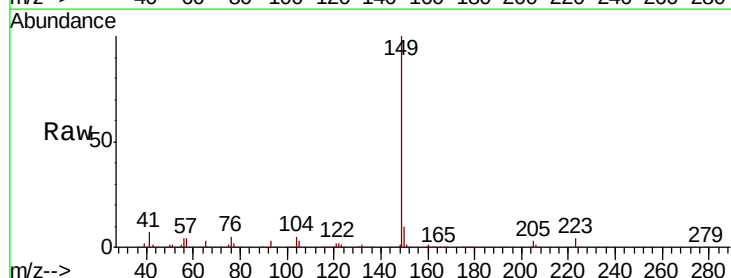
Tgt Ion:149 Resp: 1471169

Ion Ratio Lower Upper

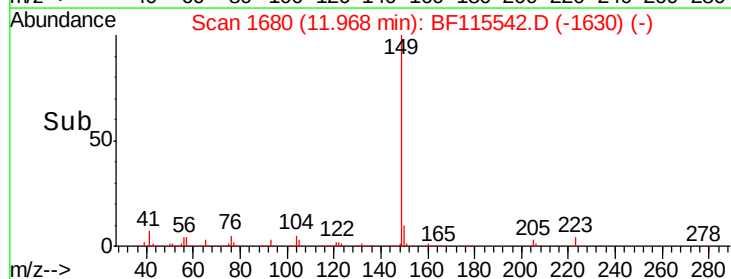
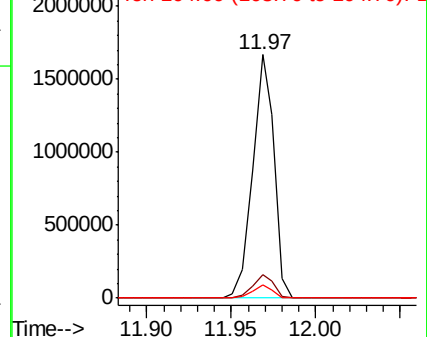
149 100

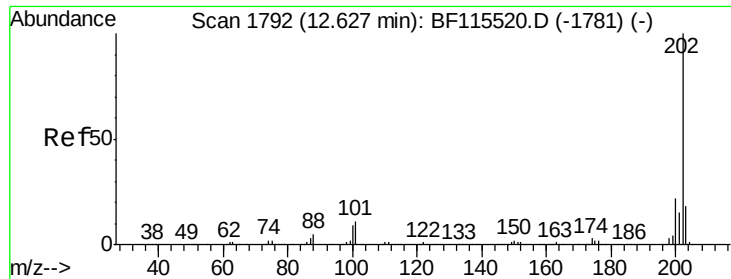
150 9.9 7.7 11.5

104 5.2 3.8 5.8



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E





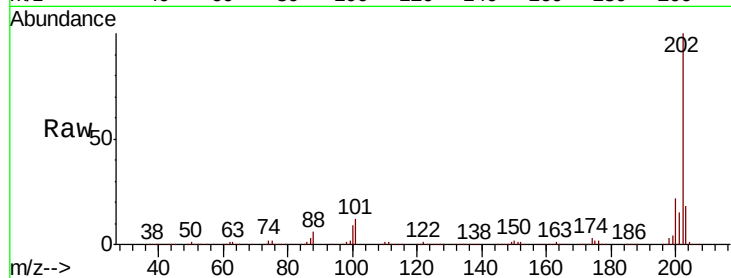
#75
Fluoranthene
Concen: 41.797 ng
RT: 12.62 min Scan# 1791
Delta R.T. -0.01 min
Lab File: BF115542.D
Acq: 12 Jul 2019 22:26

Instrument :
BNA_F
ClientSampleId :
OK-03-071019-AMS

Tot Ion	Ratio	Resp	Lower	Upper
202	100	1220068		
101	12.1		0.0	31.4
203	18.1		0.0	38.1

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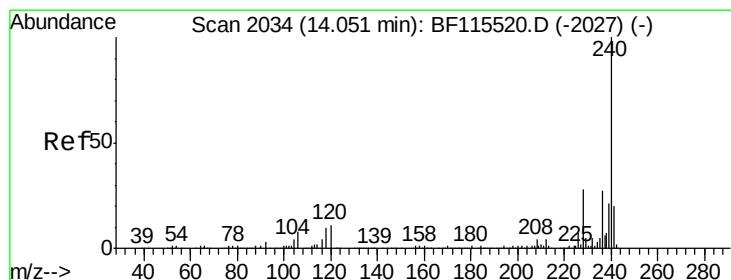
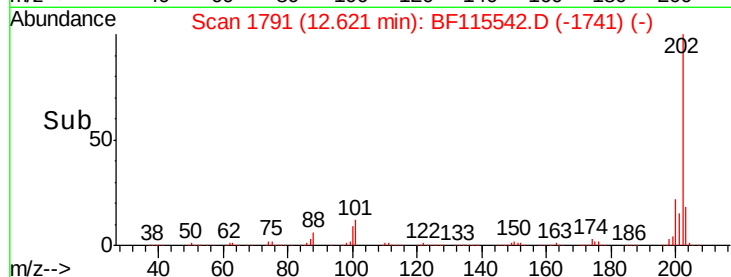
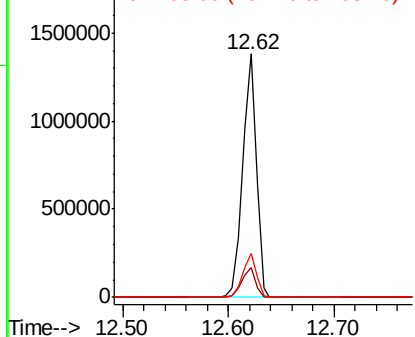


Abundance

Ion 202.00 (201.70 to 202.70): E

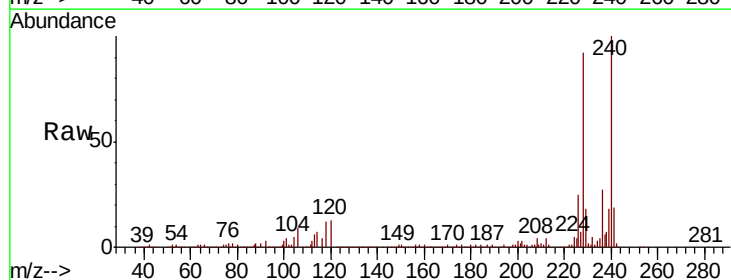
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF115542.D
Acq: 12 Jul 2019 22:26

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	339692		
120	12.9		8.6	13.0
236	26.8		21.3	31.9

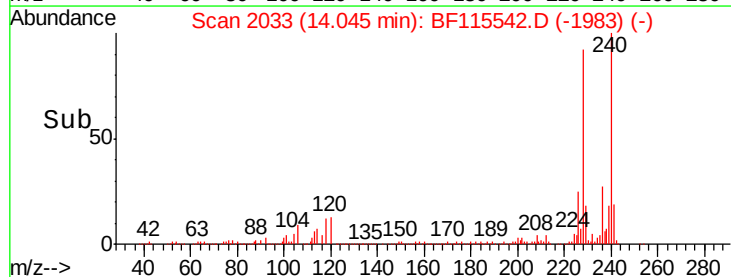
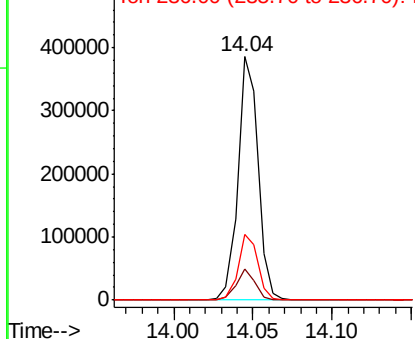


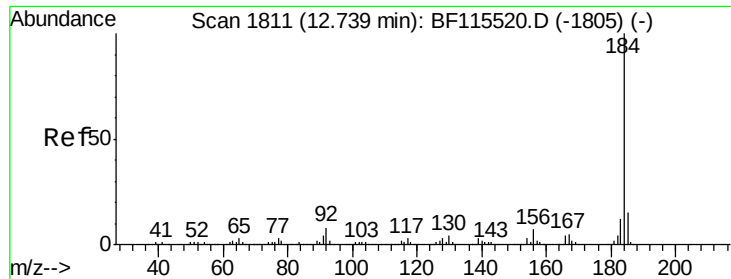
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 11.961 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.01 min

Lab File: BF115542.D

Acq: 12 Jul 2019 22:26

Instrument :

BNA_F

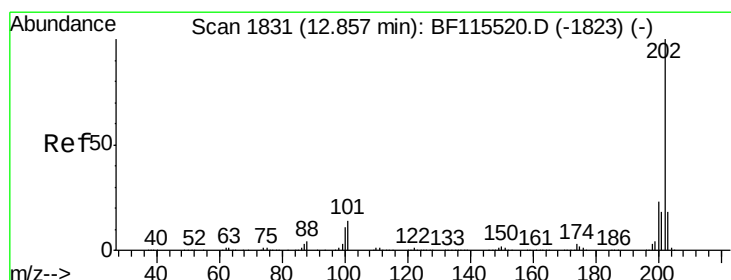
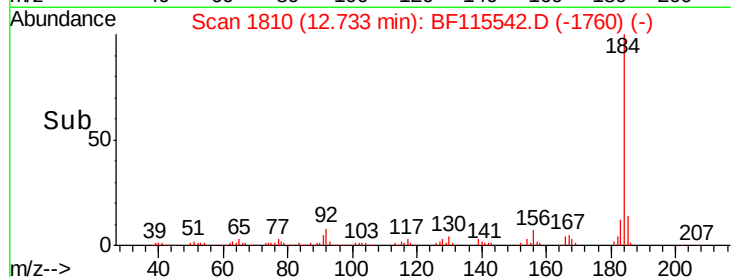
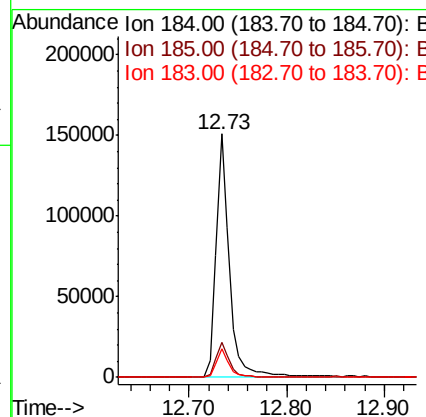
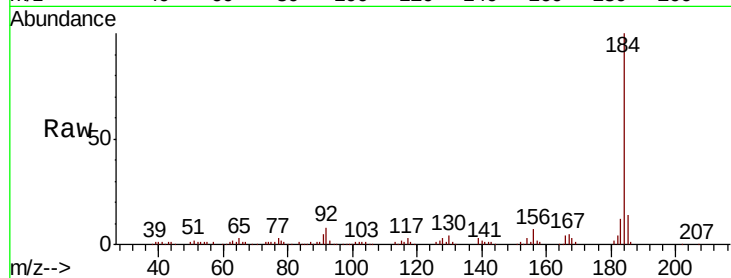
ClientSampleId :

OK-03-071019-AMS

Tot Ion:	184	Resp:	143931
Ion Ratio	Lower	Upper	
184	100		
185	14.4	12.0	18.0
183	11.7	9.3	13.9

Manual Integrations
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#78

Pyrene

Concen: 42.167 ng

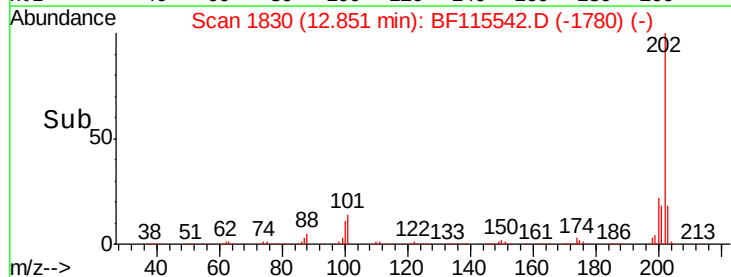
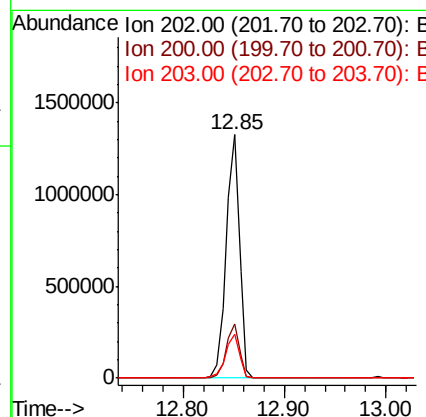
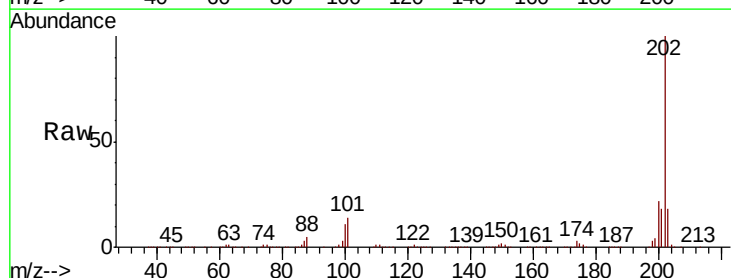
RT: 12.85 min Scan# 1830

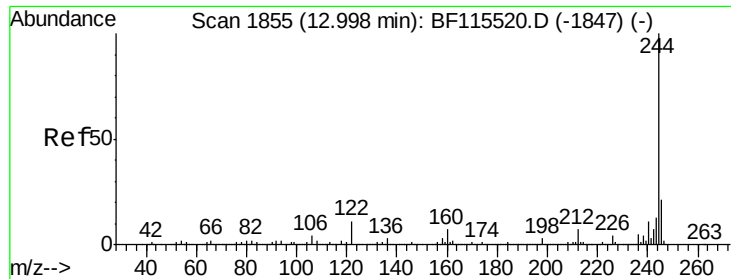
Delta R.T. -0.01 min

Lab File: BF115542.D

Acq: 12 Jul 2019 22:26

Tgt Ion:	202	Resp:	1213554
Ion Ratio	Lower	Upper	
202	100		
200	22.2	18.7	28.1
203	18.1	15.2	22.8





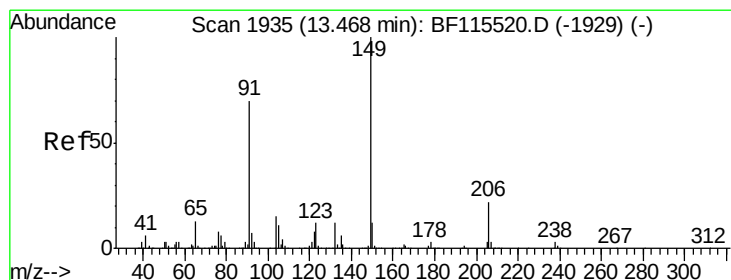
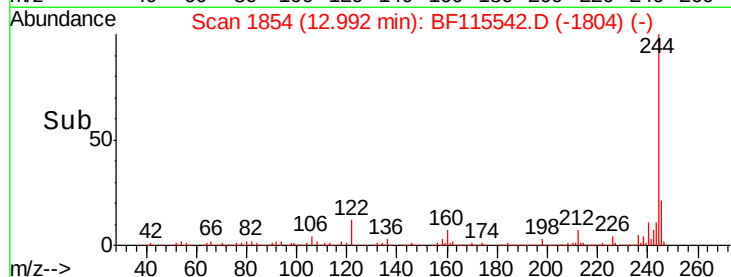
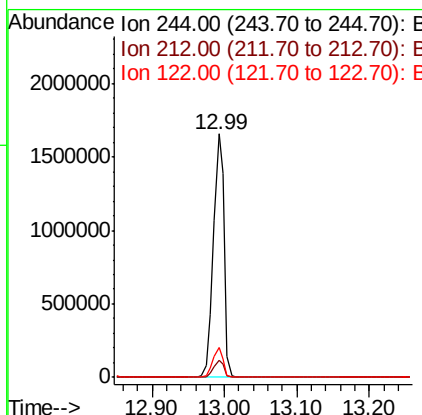
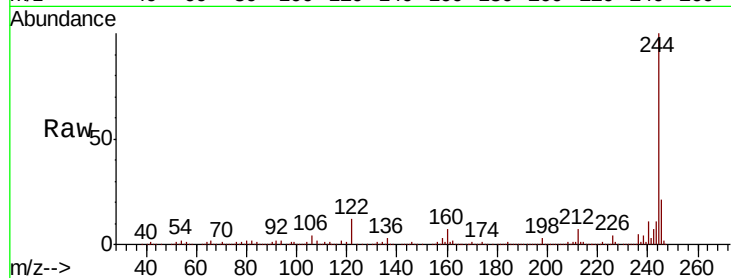
#79
 Terphenyl-d14
 Concen: 92.494 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: BF115542.D
 Acq: 12 Jul 2019 22:26

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-071019-AMS

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	12.0	8.6	12.8

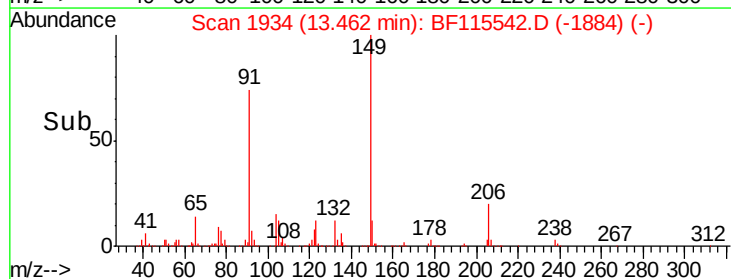
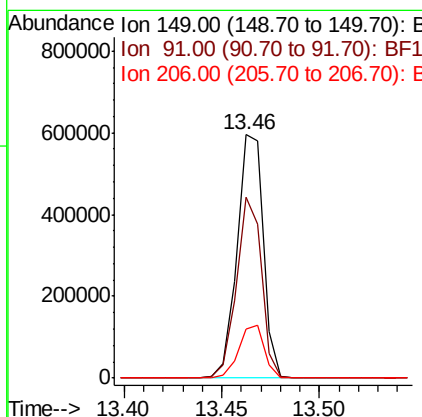
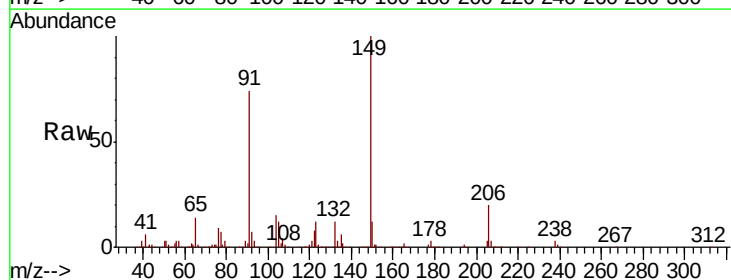
Manual Integrations
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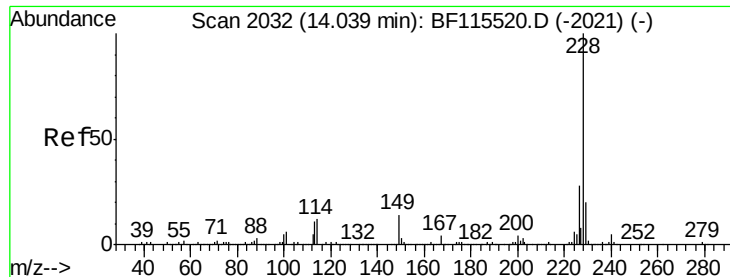
mohammad
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#80
 Butylbenzylphthalate
 Concen: 45.252 ng
 RT: 13.46 min Scan# 1934
 Delta R.T. -0.01 min
 Lab File: BF115542.D
 Acq: 12 Jul 2019 22:26

Tgt Ion	Ratio	Lower	Upper
149	100		
91	74.2	55.8	83.8
206	20.4	18.2	27.2





#81

Benzo(a)anthracene

Concen: 44.243 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.00 min

Lab File: BF115542.D

Acq: 12 Jul 2019 22:26

Instrument :

BNA_F

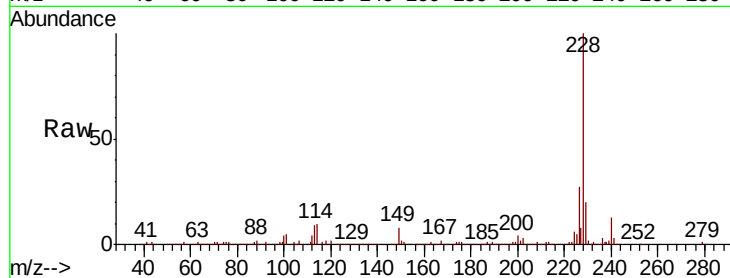
ClientSampleId :

OK-03-071019-AMS

Tot Ion:	228	Resp:	990122
Ion Ratio	Lower	Upper	
228	100		
226	27.3	23.4	35.0
229	19.6	17.2	25.8

Manual Integrations
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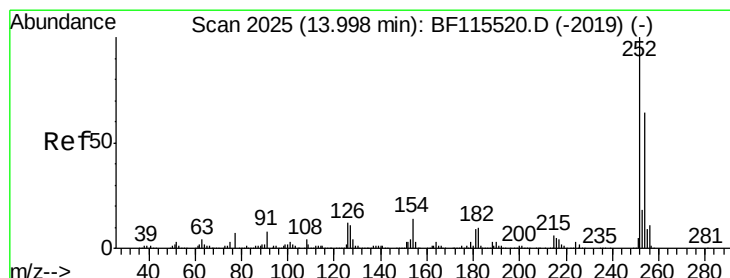
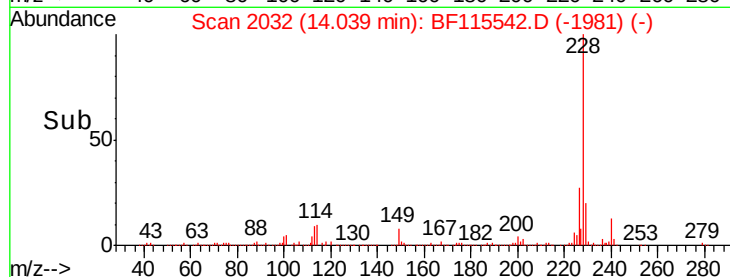
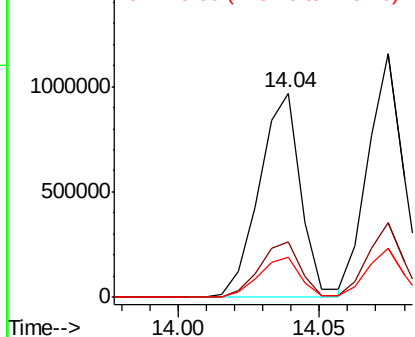


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 23.698 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF115542.D

Acq: 12 Jul 2019 22:26

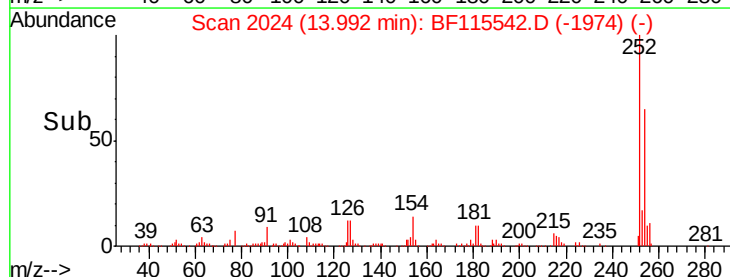
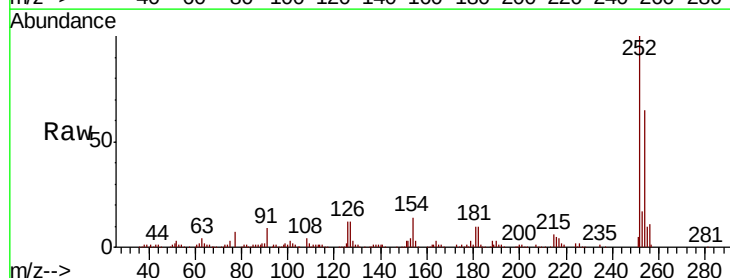
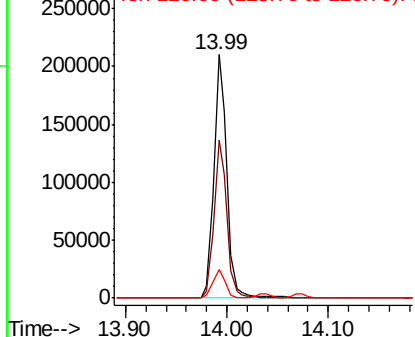
Tgt Ion:	252	Resp:	188534
Ion Ratio	Lower	Upper	
252	100		
254	64.9	52.9	79.3
126	11.9	9.9	14.9

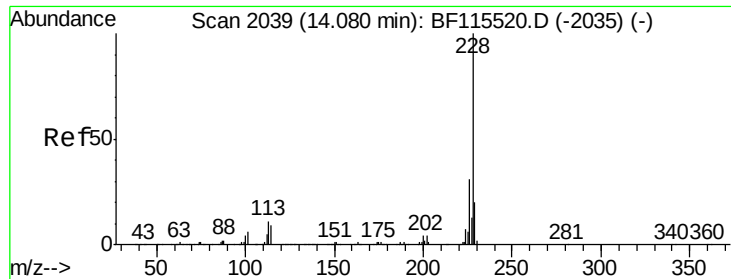
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





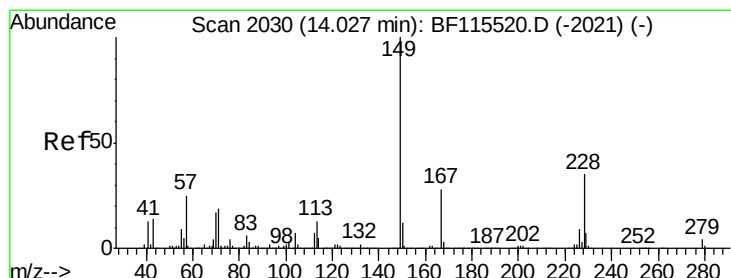
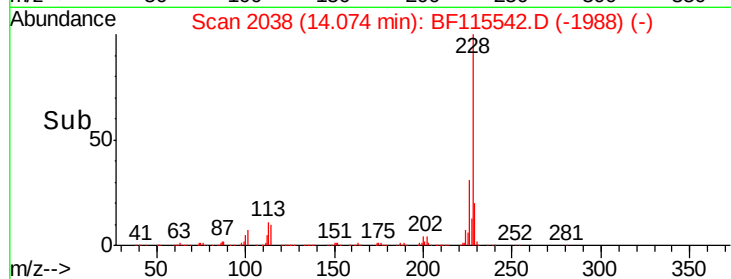
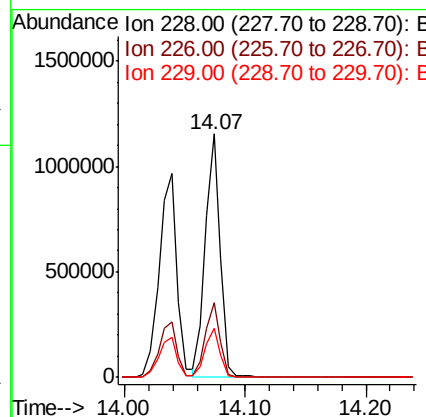
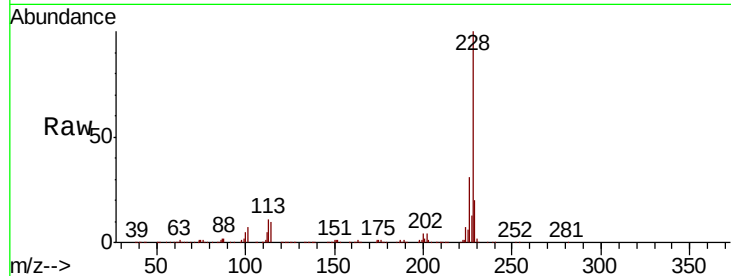
#83
Chrysene
Concen: 44.221 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.01 min
Lab File: BF115542.D
Acq: 12 Jul 2019 22:26

Instrument :
BNA_F
ClientSampleId :
OK-03-071019-AMS

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.7	38.5
229	20.2	16.6	25.0

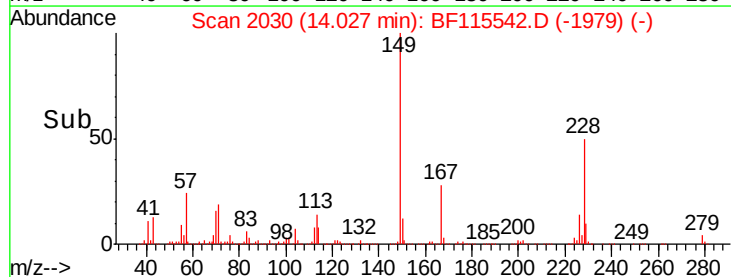
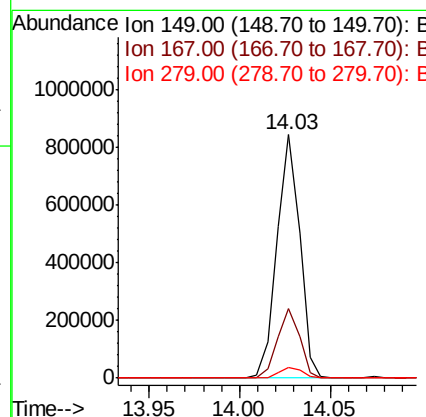
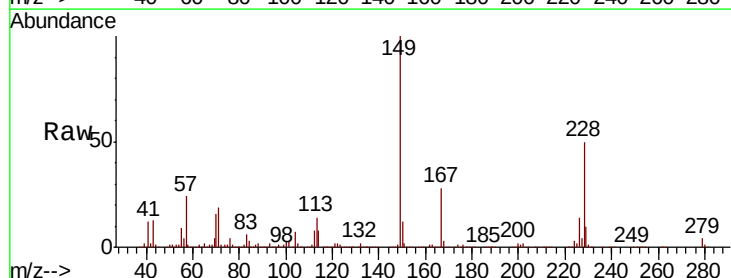
Manual Integrations
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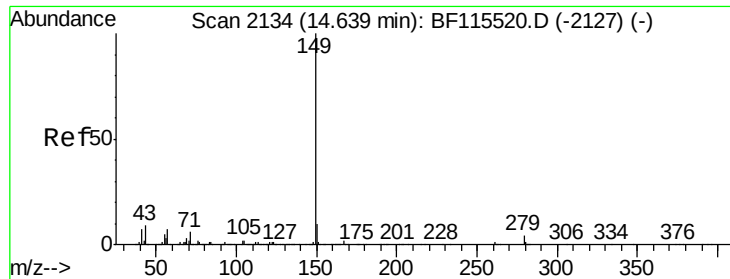
mohammad
7/15/2019 2:57:35 PM



#84
Bis(2-ethylhexyl)phthalate
Concen: 48.420 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.00 min
Lab File: BF115542.D
Acq: 12 Jul 2019 22:26

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.4	23.0	34.4
279	4.3	4.2	6.2





#85

Di-n-octyl phthalate

Concen: 51.712 ng

RT: 14.64 min Scan# 2134

Delta R.T. -0.00 min

Lab File: BF115542.D

Acq: 12 Jul 2019 22:26

Instrument :

BNA_F

ClientSampleId :

OK-03-071019-AMS

Tot Ion:149 Resp: 1250402

Ion Ratio Lower Upper

149 100

167 1.6 1.4 2.0

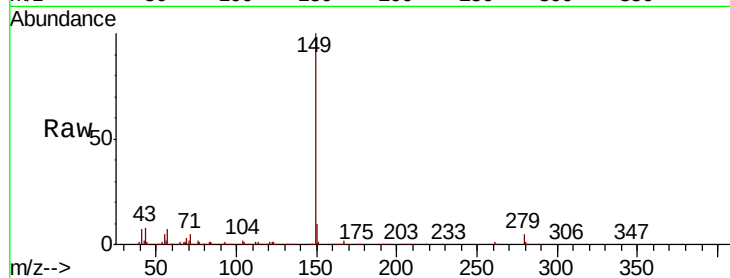
43 8.4 7.2 10.8

Manual Integrations

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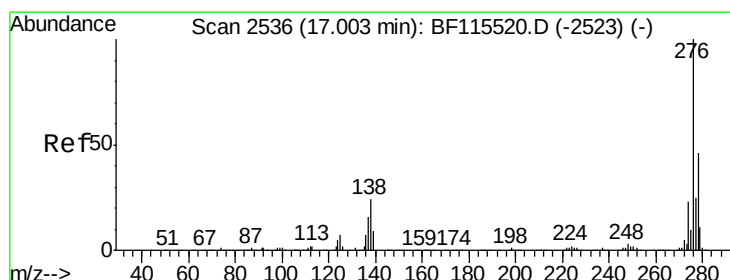
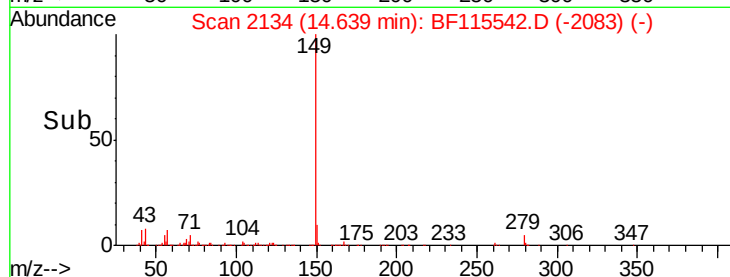
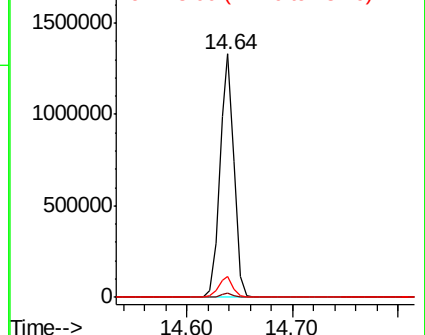
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 47.359 ng

RT: 17.00 min Scan# 2536

Delta R.T. -0.00 min

Lab File: BF115542.D

Acq: 12 Jul 2019 22:26

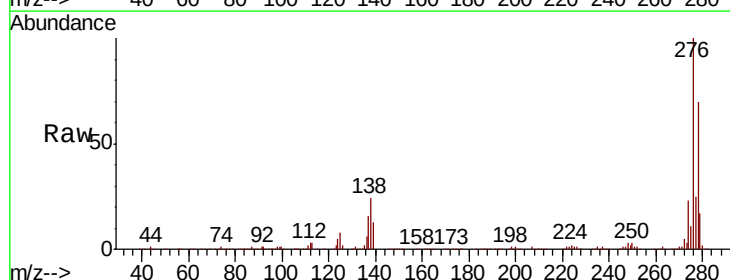
Tgt Ion:276 Resp: 903907

Ion Ratio Lower Upper

276 100

138 25.2 20.2 30.2

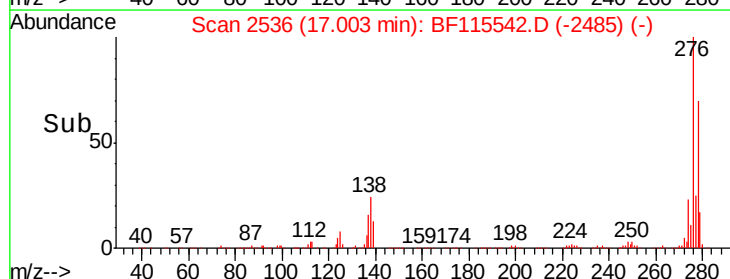
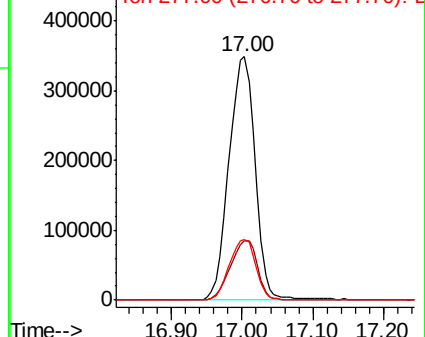
277 25.3 20.4 30.6

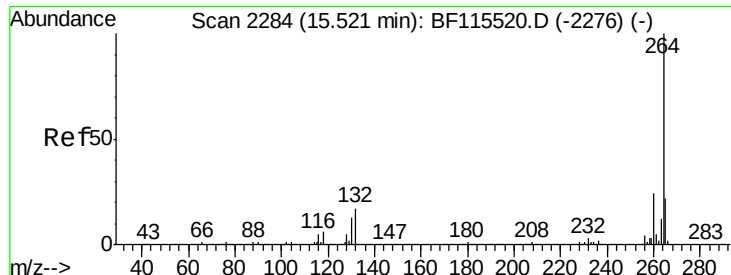


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.52 min Scan# 2283

Delta R.T. -0.01 min

Lab File: BF115542.D

Acq: 12 Jul 2019 22:26

Instrument :

BNA_F

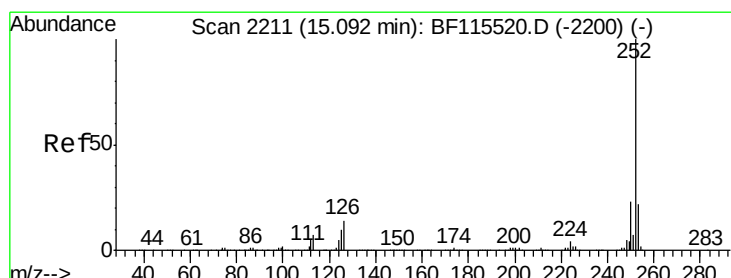
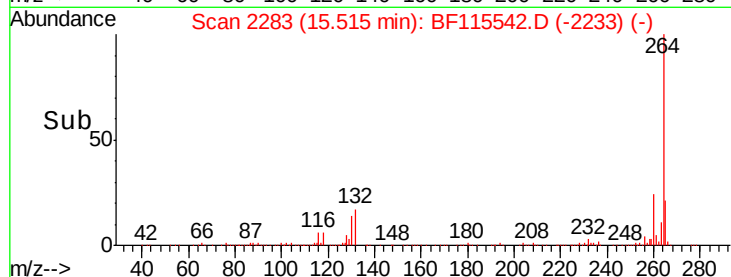
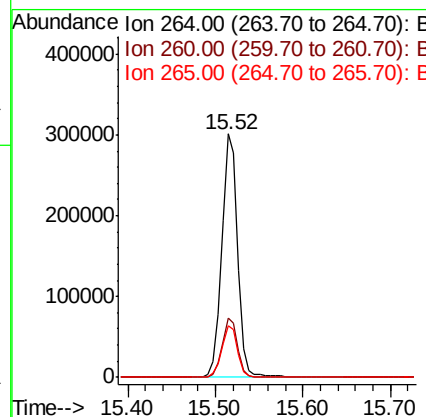
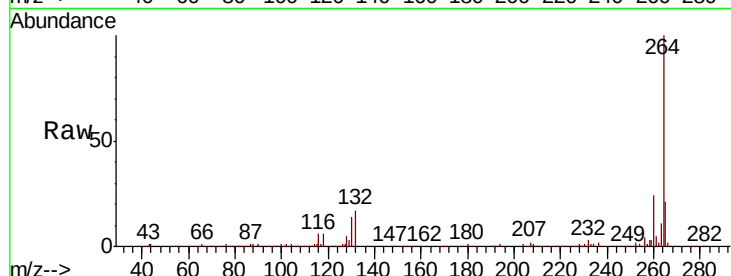
ClientSampleId :

OK-03-071019-AMS

Tot Ion	Ion	Ratio	Lower	Upper
379381	264	100		
	260	24.4	19.8	29.8
	265	21.5	17.7	26.5

Manual Integrations
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#88

Benzo(b)fluoranthene

Concen: 42.657 ng

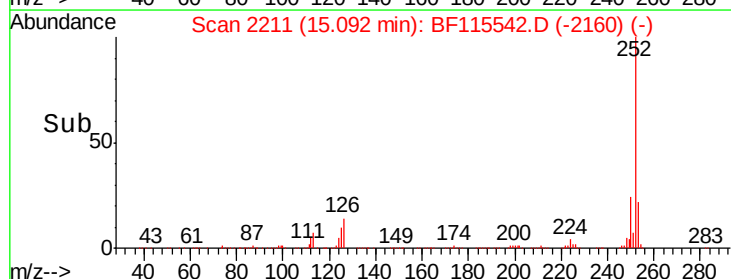
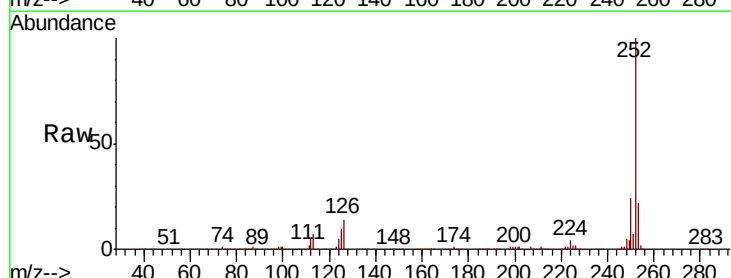
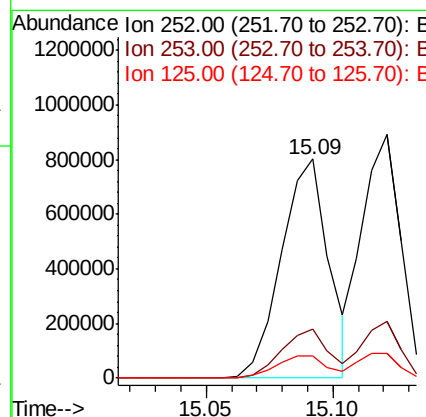
RT: 15.09 min Scan# 2211

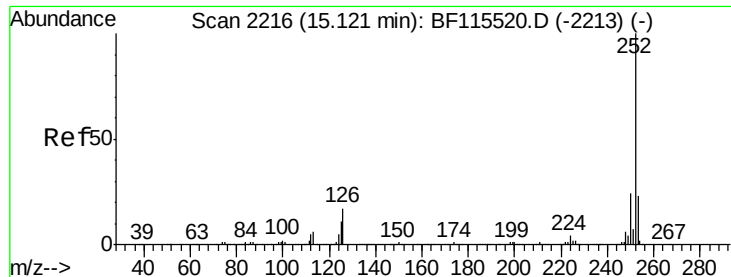
Delta R.T. -0.00 min

Lab File: BF115542.D

Acq: 12 Jul 2019 22:26

Tgt Ion	Ion	Ratio	Lower	Upper
1042068	252	100		
	253	22.5	18.1	27.1
	125	10.1	9.0	13.4





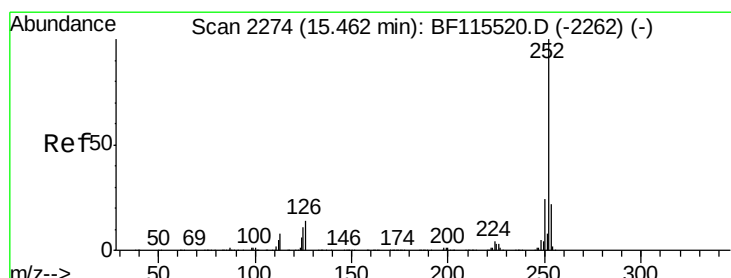
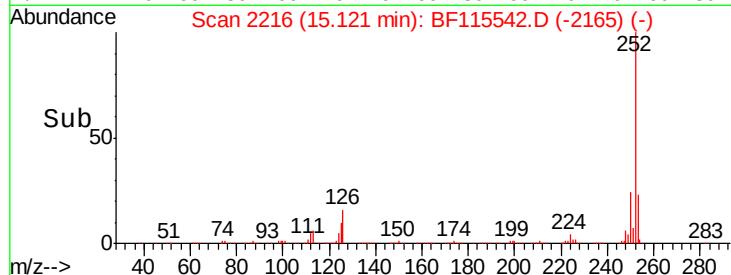
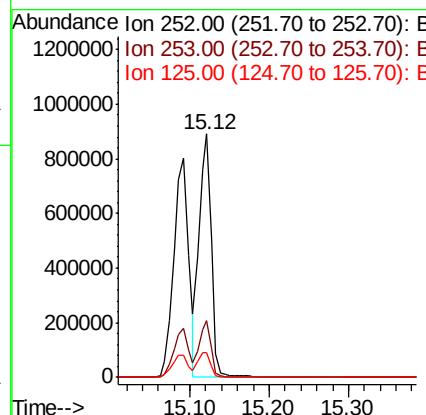
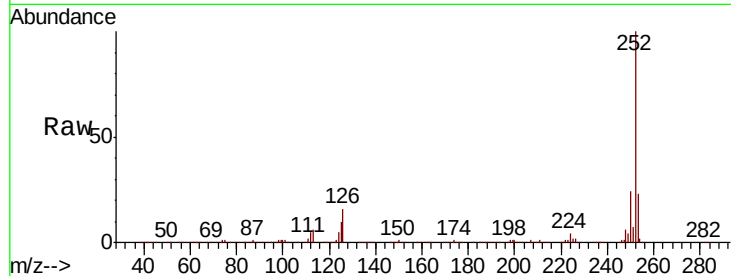
#89
Benzo(k)fluoranthene
Concen: 44.617 ng
RT: 15.12 min Scan# 2216
Delta R.T. -0.00 min
Lab File: BF115542.D
Acq: 12 Jul 2019 22:26

Instrument :
BNA_F
ClientSampleId :
OK-03-071019-AMS

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.6	28.0
125	10.3	9.0	13.6

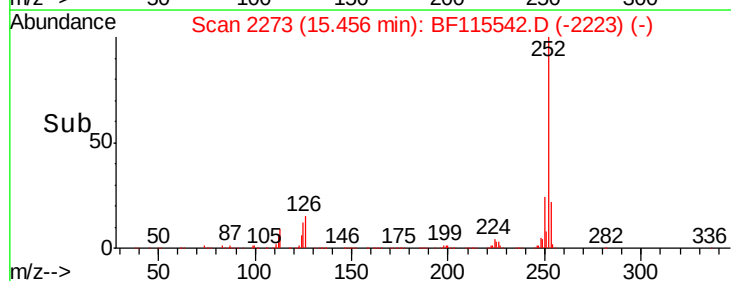
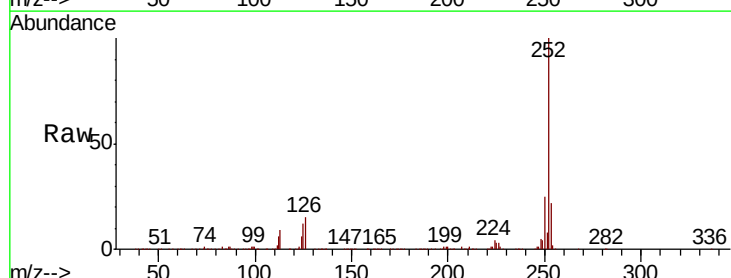
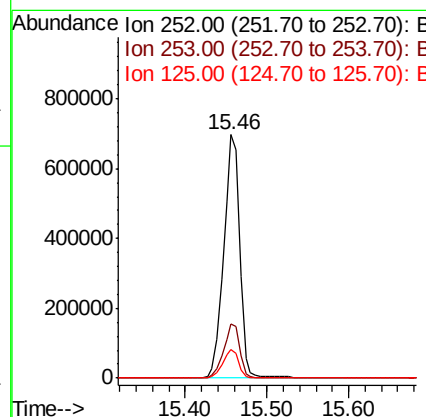
Manual Integrations
APPROVED

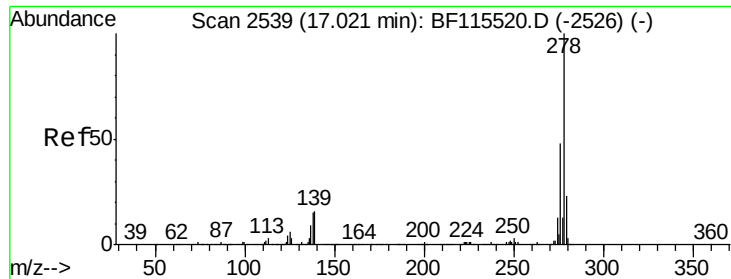
mohammad
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#90
Benzo(a)pyrene
Concen: 45.257 ng
RT: 15.46 min Scan# 2273
Delta R.T. -0.01 min
Lab File: BF115542.D
Acq: 12 Jul 2019 22:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.6
125	12.0	9.1	13.7





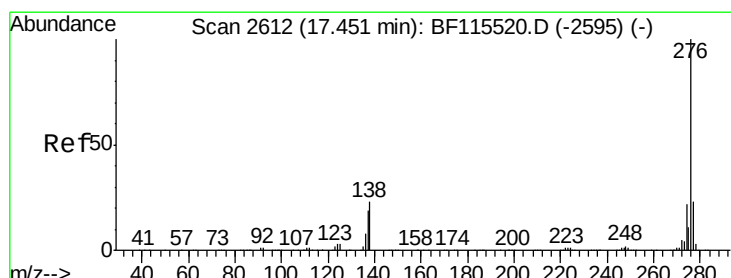
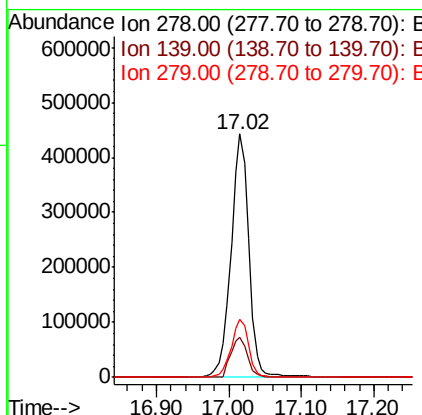
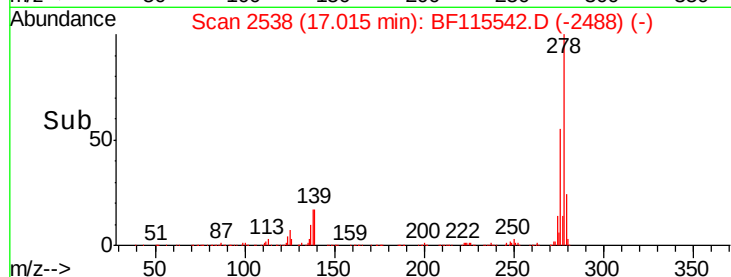
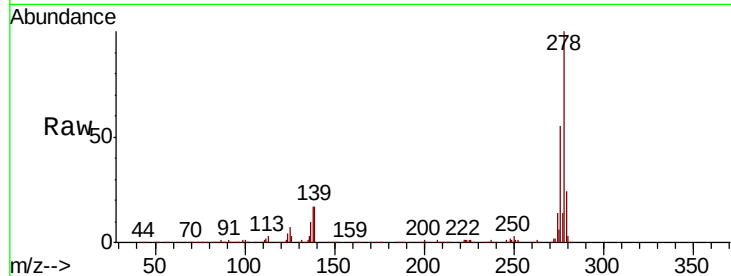
#91
Dibenzo(a,h)anthracene
Concen: 41.403 ng
RT: 17.02 min Scan# 2538
Delta R.T. -0.01 min
Lab File: BF115542.D
Acq: 12 Jul 2019 22:26

Instrument :
BNA_F
ClientSampleId :
OK-03-071019-AMS

Tot Ion	Ion	Ratio	Lower	Upper
278	100			
139	16.5	13.1	19.7	
279	23.6	19.6	29.4	

Manual Integrations
APPROVED

mohammad
7/15/2019 2:57:35 PM



#92
Benzo(g,h,i)perylene
Concen: 38.754 ng
RT: 17.44 min Scan# 2611
Delta R.T. -0.01 min
Lab File: BF115542.D
Acq: 12 Jul 2019 22:26

Tgt Ion	Ion	Ratio	Lower	Upper
276	100			
277	23.1	19.0	28.4	
138	21.3	17.2	25.8	

