

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071619\
 Data File : BF115583.D
 Acq On : 16 Jul 2019 8:12
 Operator : HP/JU
 Sample : PB121214BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB121214BS

Manual Integrations
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mohammad
 7/17/2019 12:05:22 PM

Quant Time: Jul 16 15:35:27 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	214212	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	744413	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	372584	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	715685	20.00	ng	0.00
76) Chrysene-d12	14.04	240	430556	20.00	ng	0.00
87) Perylene-d12	15.52	264	298677	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.52	112	1562512	119.31	ng	0.02
7) Phenol-d6	6.52	99	2077619	125.03	ng	0.00
23) Nitrobenzene-d5	7.45	82	1129080	88.19	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	549198	126.28	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	2033240	95.52	ng	0.00
79) Terphenyl-d14	12.99	244	2086985	89.44	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.80	88	247465	37.882	ng	99
3) Pyridine	3.55	79	624168	35.217	ng	99
4) n-Nitrosodimethylamine	3.49	42	269099	41.853	ng	99
6) Aniline	6.55	93	608722	26.323	ng	98
8) 2-Chlorophenol	6.67	128	660121	43.842	ng	99
9) Benzaldehyde	6.43	77	55468	5.342	ng	97
10) Phenol	6.53	94	802646	41.609	ng	86
11) bis(2-Chloroethyl)ether	6.62	93	642613	43.754	ng	99
12) 1,3-Dichlorobenzene	6.83	146	672012	39.697	ng	99
13) 1,4-Dichlorobenzene	6.90	146	687952	40.730	ng	96
14) 1,2-Dichlorobenzene	7.06	146	623759	40.399	ng	98
15) Benzyl Alcohol	7.03	79	575869	43.685	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.16	45	833335	43.098	ng	97
17) 2-Methylphenol	7.14	107	562362	43.340	ng	99
18) Hexachloroethane	7.40	117	218680	34.881	ng	95
19) n-Nitroso-di-n-propylamine	7.30	70	389683	35.957	ng	99
20) 3+4-Methylphenols	7.29	107	562020	36.465	ng	97
22) Acetophenone	7.29	105	772517	45.936	ng	99
24) Nitrobenzene	7.46	77	615537	44.577	ng	96
25) Isophorone	7.70	82	1134057	44.269	ng	99
26) 2-Nitrophenol	7.78	139	325768	45.835	ng	99
27) 2,4-Dimethylphenol	7.82	122	538493	50.637	ng	99
28) bis(2-Chloroethoxy)methane	7.91	93	688426	43.804	ng	99
29) 2,4-Dichlorophenol	8.02	162	506471	45.794	ng	99
30) 1,2,4-Trichlorobenzene	8.11	180	549853	43.982	ng	99
31) Naphthalene	8.19	128	1620097	44.938	ng	97
32) Benzoic acid	7.96	122	387563	44.408	ng	100
33) 4-Chloroaniline	8.23	127	382254	23.937	ng	98
34) Hexachlorobutadiene	8.31	225	310229	43.273	ng	100
35) Caprolactam	8.62	113	159561m	46.688	ng	
36) 4-Chloro-3-methylphenol	8.72	107	528348	46.054	ng	97
37) 2-Methylnaphthalene	8.88	142	1121401	46.925	ng	98
38) 1-Methylnaphthalene	8.98	142	1038009	45.729	ng	99
40) 1,2,4,5-Tetrachlorobenzene	9.05	216	500888	44.643	ng	98

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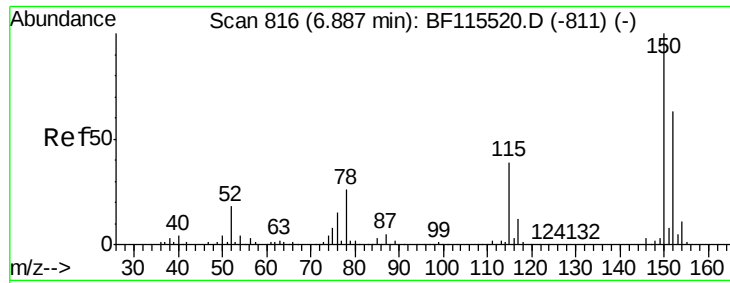
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.04	237	433623	67.751	nq	99
43) 2,4,6-Trichlorophenol	9.16	196	378387	46.117	nq	98
44) 2,4,5-Trichlorophenol	9.21	196	375400	44.676	nq	96
46) 1,1'-Biphenyl	9.35	154	1336164	45.872	nq	99
47) 2-Chloronaphthalene	9.37	162	1058348	43.637	nq	98
48) 2-Nitroaniline	9.46	65	317437	42.286	nq	96
49) Acenaphthylene	9.79	152	1588377	44.198	nq	98
50) Dimethylphthalate	9.65	163	1238428	44.179	nq	99
51) 2,6-Dinitrotoluene	9.70	165	287355	45.107	nq	100
52) Acenaphthene	9.96	154	1142372	49.235	nq	98
53) 3-Nitroaniline	9.87	138	231322	31.775	nq	98
54) 2,4-Dinitrophenol	9.98	184	325708	99.583	nq	99
55) Dibenzofuran	10.13	168	1422109	43.160	nq	99
56) 4-Nitrophenol	10.04	139	461339	83.105	nq	98
57) 2,4-Dinitrotoluene	10.11	165	379295	45.957	nq	96
58) Fluorene	10.47	166	1059274	44.969	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.25	232	326452	46.475	nq	99
60) Diethylphthalate	10.35	149	1186393	45.170	nq	98
61) 4-Chlorophenyl-phenylether	10.46	204	547047	41.878	nq	97
62) 4-Nitroaniline	10.49	138	277470	39.735	nq	100
63) Azobenzene	10.62	77	1137466	44.649	nq	97
65) 4,6-Dinitro-2-methylphenol	10.52	198	203486	46.537	nq	93
66) n-Nitrosodiphenylamine	10.58	169	986735	44.323	nq	99
67) 4-Bromophenyl-phenylether	10.95	248	348959	42.667	nq	98
68) Hexachlorobenzene	11.03	284	399093	42.730	nq	97
69) Atrazine	11.11	200	295308	40.435	nq	99
70) Pentachlorophenol	11.22	266	478773	83.811	nq	99
71) Phenanthrene	11.43	178	1599352	43.596	nq	98
72) Anthracene	11.49	178	1618343	42.686	nq	100
73) Carbazole	11.64	167	1412202	42.476	nq	99
74) Di-n-butylphthalate	11.97	149	1750150	42.736	nq	99
75) Fluoranthene	12.62	202	1632817	42.119	nq	99
77) Benzidine	12.73	184	239794	15.722	nq	# 93
78) Pyrene	12.85	202	1631663	44.730	nq	98
80) Butylbenzylphthalate	13.46	149	726410	46.713	nq	98
81) Benzo(a)anthracene	14.03	228	1240601	43.737	nq	97
82) 3,3'-Dichlorobenzidine	13.99	252	327135	32.442	nq	97
83) Chrysene	14.07	228	1272086	44.674	nq	97
84) Bis(2-ethylhexyl)phthalate	14.02	149	919478	47.735	nq	98
85) Di-n-octyl phthalate	14.63	149	1442245	47.059	nq	98
86) Indeno(1,2,3-cd)pyrene	17.00	276	1041005	43.032	nq	99
88) Benzo(b)fluoranthene	15.09	252	1176433	61.169	nq	99
89) Benzo(k)fluoranthene	15.12	252	962433	56.129	nq	99
90) Benzo(a)pyrene	15.46	252	966194	58.451	nq	99
91) Dibenzo(a,h)anthracene	17.02	278	875036	60.298	nq	98
92) Benzo(g,h,i)perylene	17.44	276	881913	60.936	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: BF115583.D

Acq: 16 Jul 2019 8:12

Instrument :

BNA_F

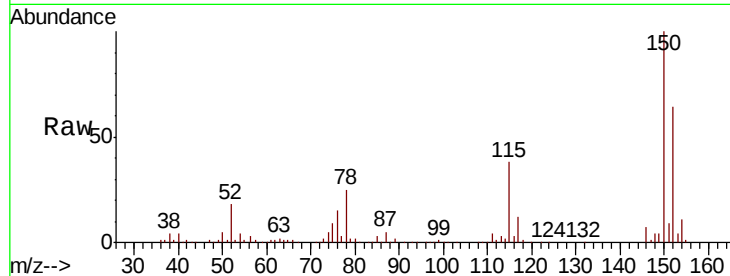
ClientSampleID :

PB121214BS

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	129.7	194.5
115	58.4	48.2	72.4

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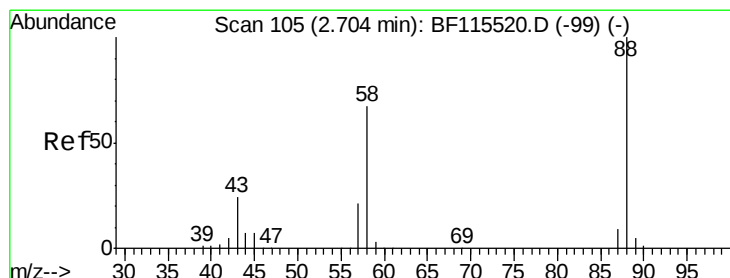
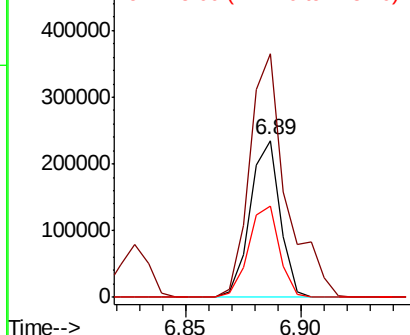
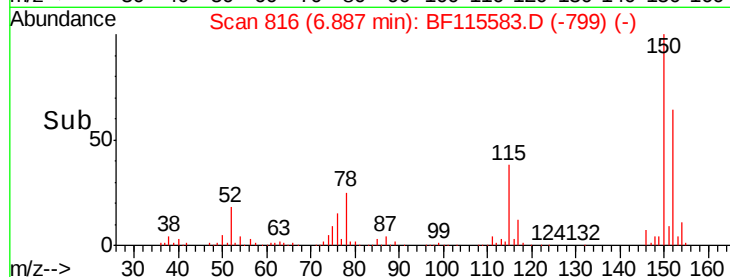


Abundance

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: 37.882 ng

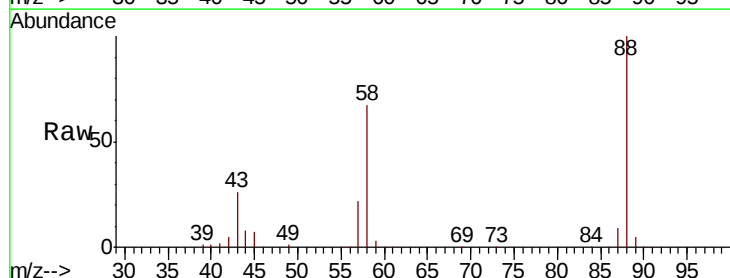
RT: 2.80 min Scan# 122

Delta R.T. 0.10 min

Lab File: BF115583.D

Acq: 16 Jul 2019 8:12

Tgt Ion	Ratio	Lower	Upper
88	100		
58	65.4	52.6	79.0
43	25.4	19.1	28.7

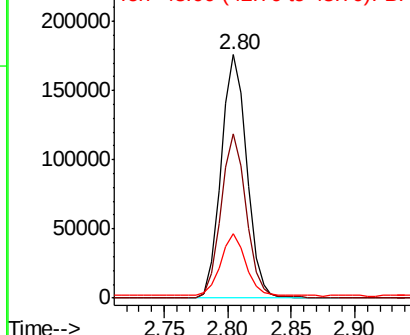
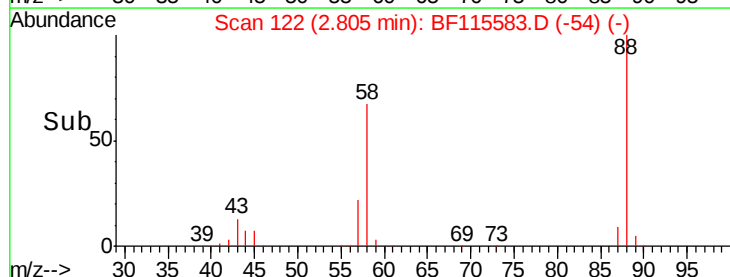


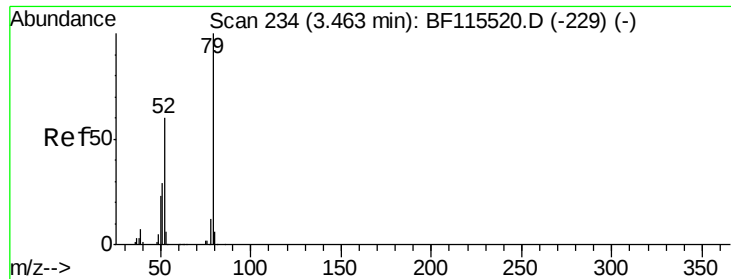
Abundance

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: 35.217 ng

RT: 3.55 min Scan# 248

Delta R.T. 0.08 min

Lab File: BF115583.D

Acq: 16 Jul 2019 8:12

Instrument :

BNA_F

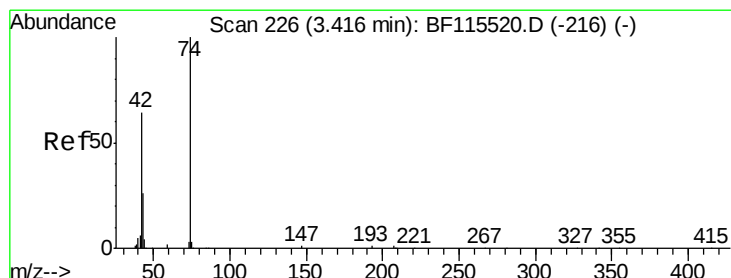
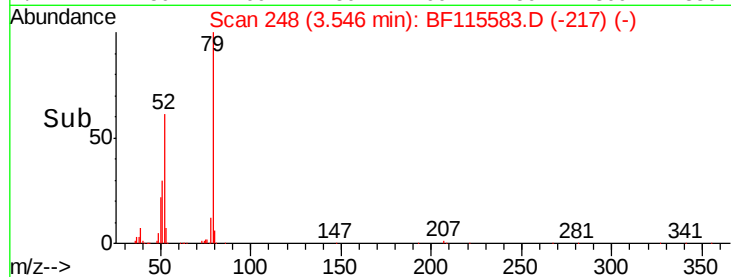
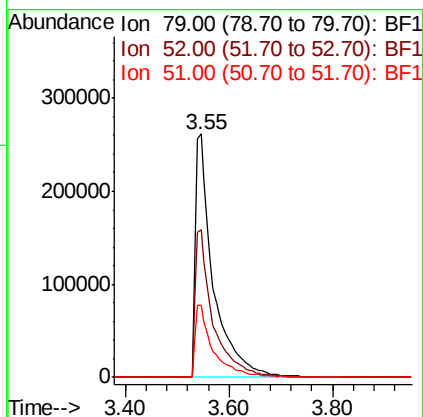
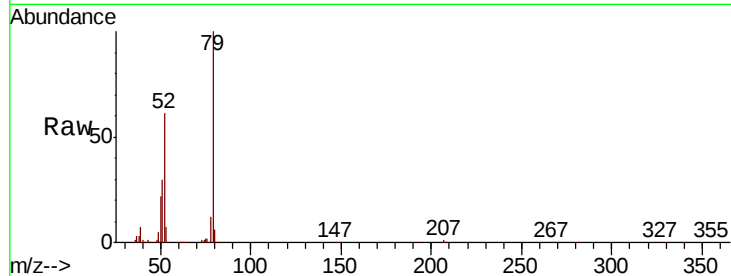
ClientSampleId :

PB121214BS

Tot Ion:	79	Resp:	624168
Ion Ratio	Lower	Upper	
79	100		
52	60.8	47.8	71.6
51	29.6	23.8	35.8

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#4

n-Nitrosodimethylamine

Concen: 41.853 ng

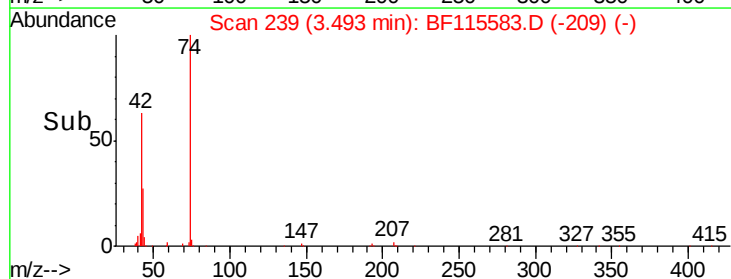
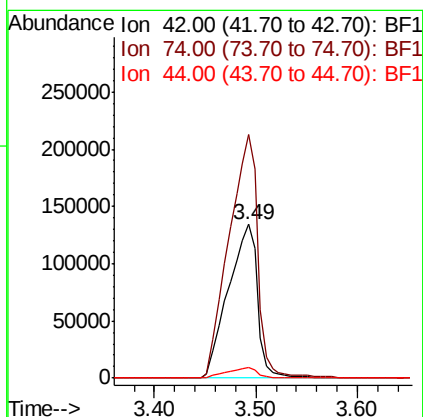
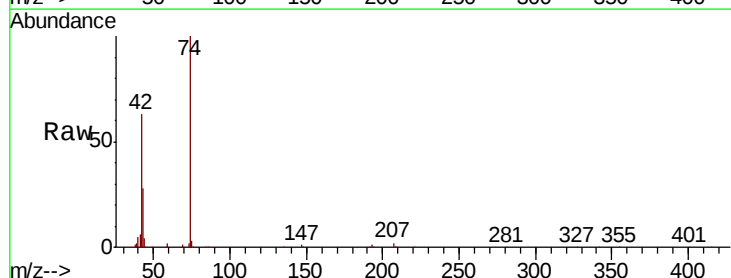
RT: 3.49 min Scan# 239

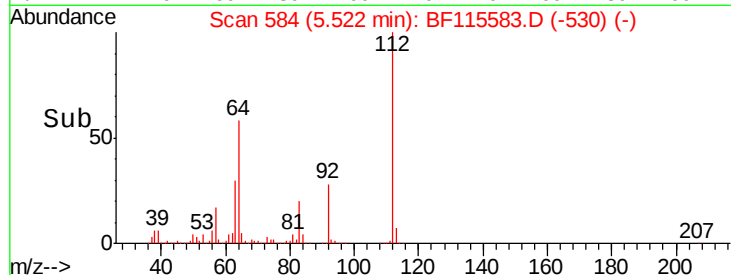
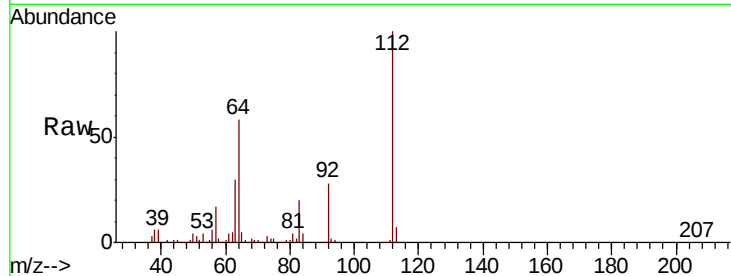
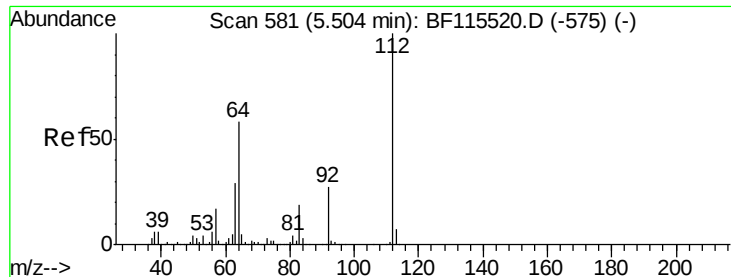
Delta R.T. 0.08 min

Lab File: BF115583.D

Acq: 16 Jul 2019 8:12

Tgt Ion:	42	Resp:	269099
Ion Ratio	Lower	Upper	
42	100		
74	158.6	127.5	191.3
44	6.9	5.0	7.6





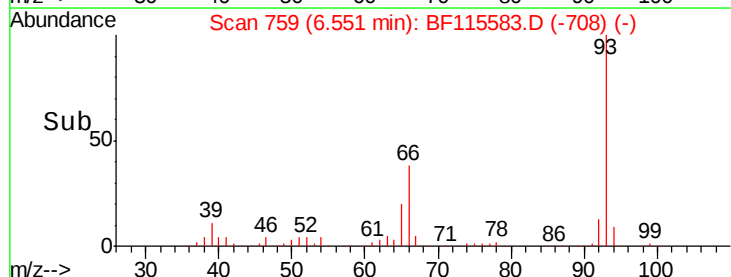
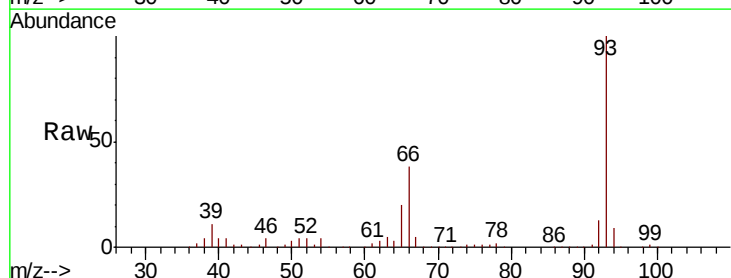
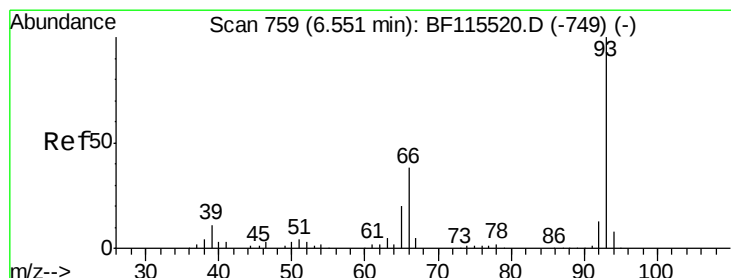
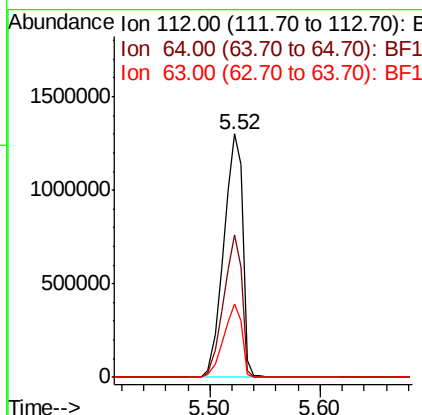
#5
2-Fluorophenol
Concen: 119.312 ng
RT: 5.52 min Scan# 584
Delta R.T. 0.02 min
Lab File: BF115583.D
Acq: 16 Jul 2019 8:12

Tot Ion	Ratio	Lower	Upper
112	100		
64	58.3	46.8	70.2
63	30.1	24.1	36.1

Instrument :
BNA_F
ClientSampleId :
PB121214BS

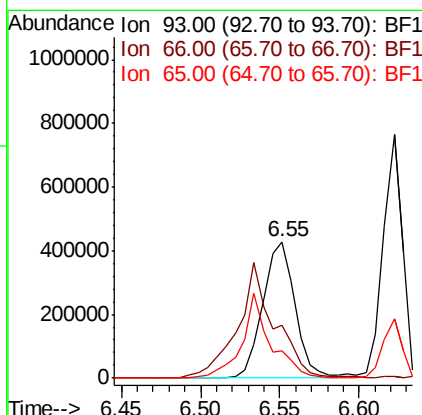
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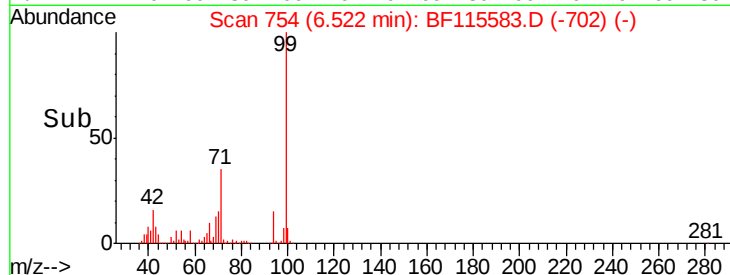
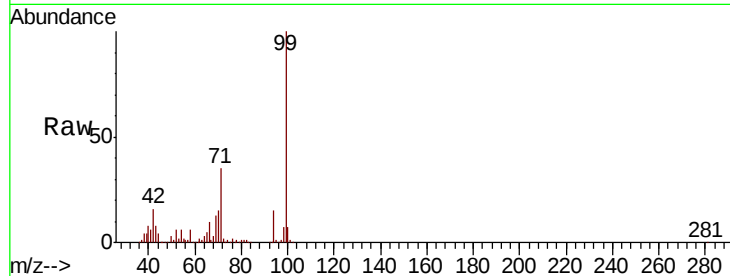
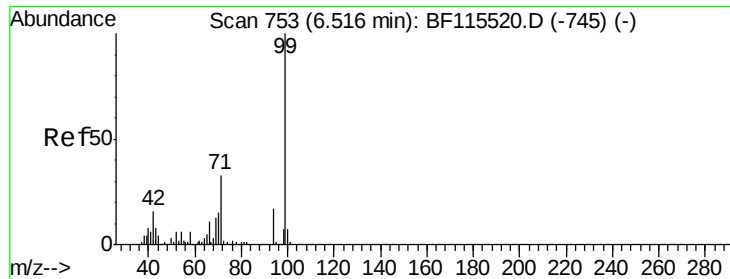
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#6
Aniline
Concen: 26.323 ng
RT: 6.55 min Scan# 759
Delta R.T. 0.00 min
Lab File: BF115583.D
Acq: 16 Jul 2019 8:12

Tgt Ion	Ratio	Lower	Upper
93	100		
66	38.4	31.7	47.5
65	19.6	16.2	24.2





#7

Phenol-d6

Concen: 125.028 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.01 min

Lab File: BF115583.D

Acq: 16 Jul 2019 8:12

Tot Ion: 99 Resp: 2077619

Ion Ratio Lower Upper

99 100

42 16.4 13.6 20.4

71 34.5 28.5 42.7

Instrument :

BNA_F

ClientSampleId :

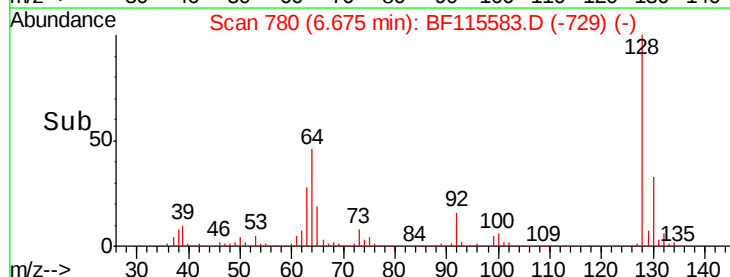
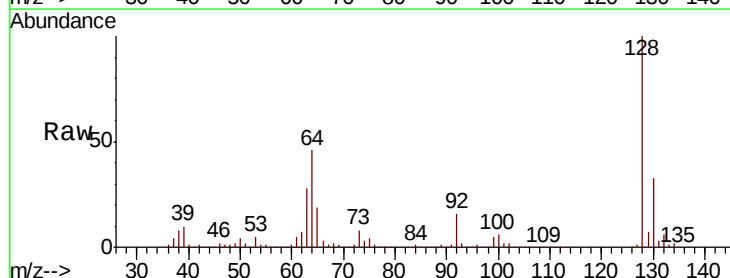
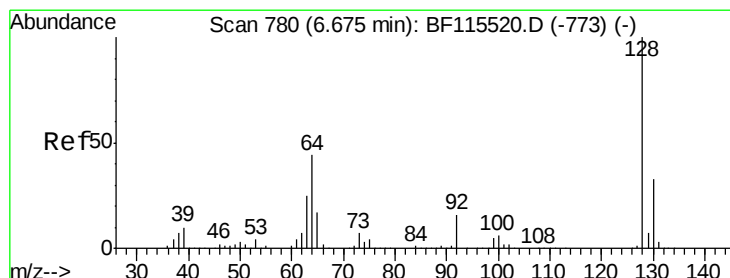
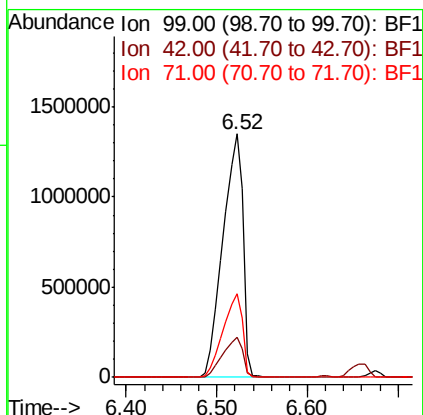
PB121214BS

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#8

2-Chlorophenol

Concen: 43.842 ng

RT: 6.67 min Scan# 780

Delta R.T. 0.00 min

Lab File: BF115583.D

Acq: 16 Jul 2019 8:12

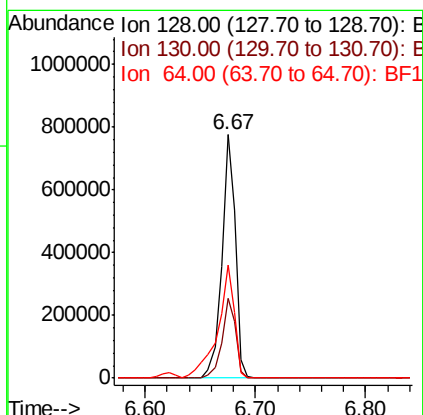
Tgt Ion: 128 Resp: 660121

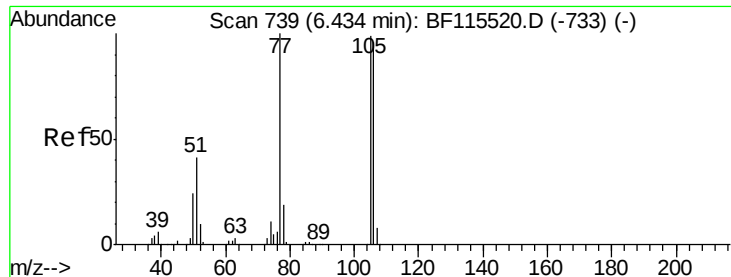
Ion Ratio Lower Upper

128 100

130 32.6 12.8 52.8

64 46.3 26.8 66.8





#9

Benzaldehyde

Concen: 5.342 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF115583.D

Acq: 16 Jul 2019 8:12

Instrument :

BNA_F

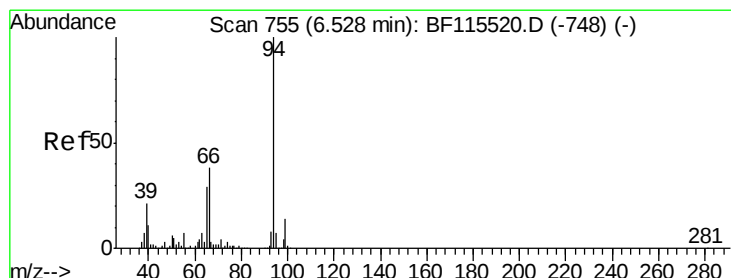
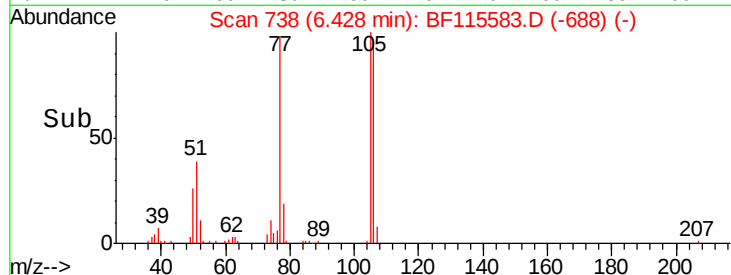
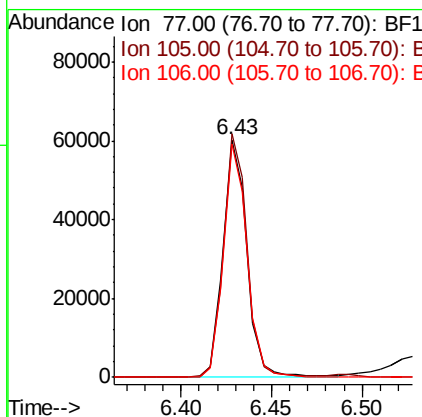
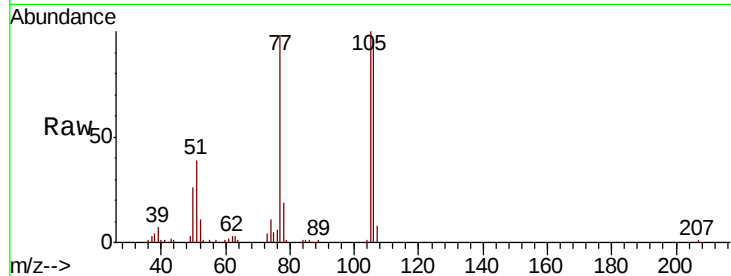
ClientSampleId :

PB121214BS

Tot Ion:	77	Resp:	55468
Ion	Ratio	Lower	Upper
77	100		
105	102.4	78.8	118.8
106	97.9	75.6	115.6

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#10

Phenol

Concen: 41.609 ng

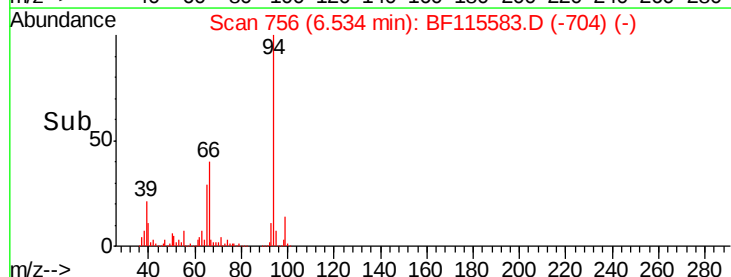
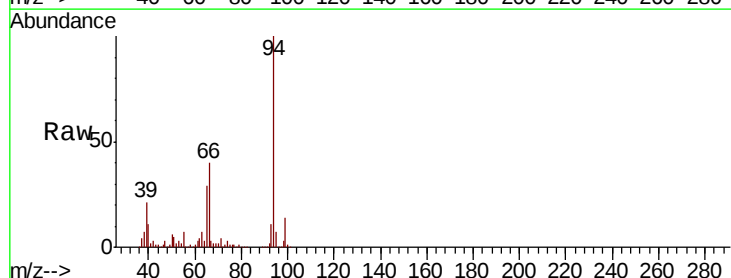
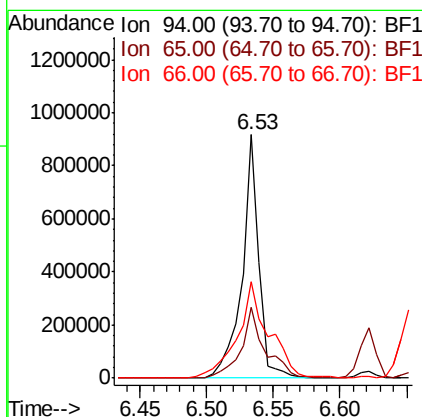
RT: 6.53 min Scan# 756

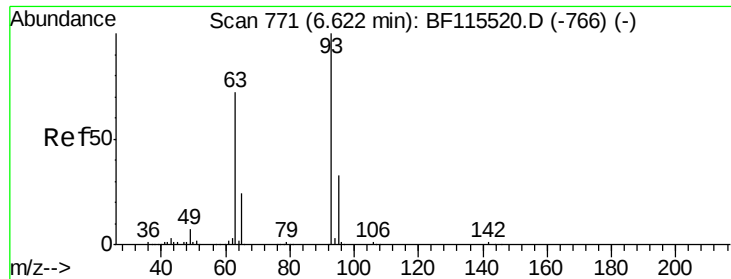
Delta R.T. 0.01 min

Lab File: BF115583.D

Acq: 16 Jul 2019 8:12

Tgt Ion:	94	Resp:	802646
Ion	Ratio	Lower	Upper
94	100		
65	29.2	14.5	54.5
66	39.6	31.3	71.3





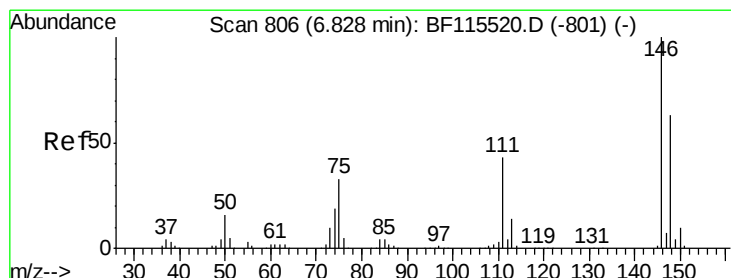
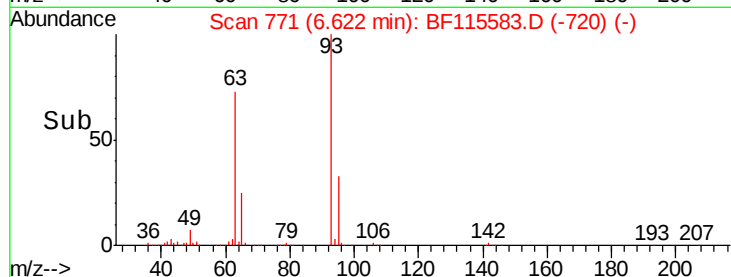
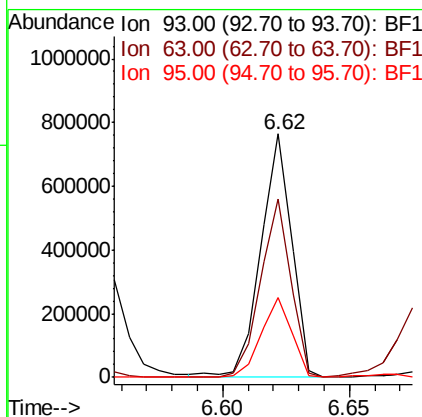
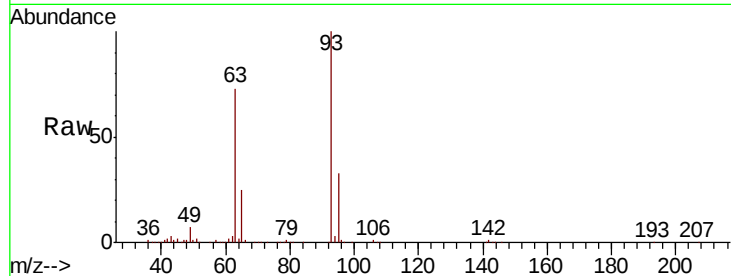
#11
bis(2-Chloroethyl)ether
Concen: 43.754 ng
RT: 6.62 min Scan# 771
Delta R.T. 0.00 min
Lab File: BF115583.D
Acq: 16 Jul 2019 8:12

Instrument :
BNA_F
ClientSampled :
PB121214BS

Tot Ion	Ratio	Resp	Lower	Upper
93	100	642613		
63	73.5	52.2	92.2	
95	33.0	12.9	52.9	

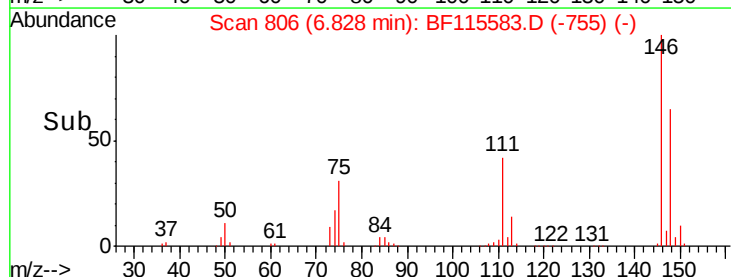
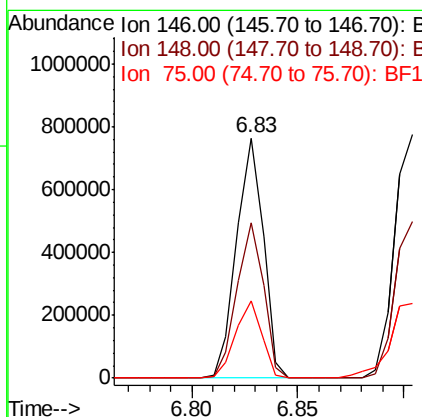
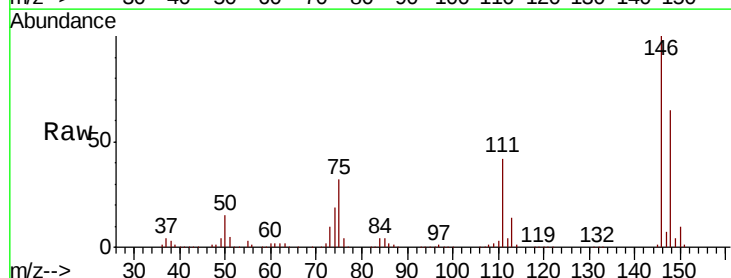
Manual Integrations
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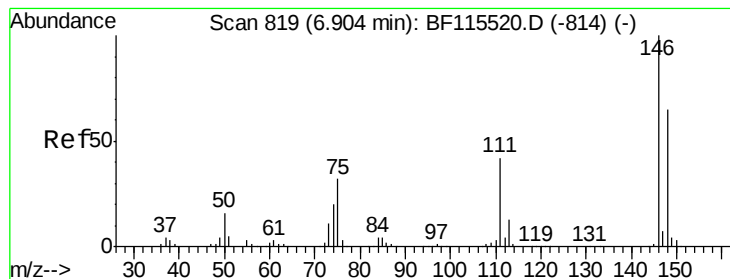
mohammad
7/17/2019 12:05:22 PM



#12
1,3-Dichlorobenzene
Concen: 39.697 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.00 min
Lab File: BF115583.D
Acq: 16 Jul 2019 8:12

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	672012		
148	64.9	52.1	78.1	
75	32.0	24.9	37.3	





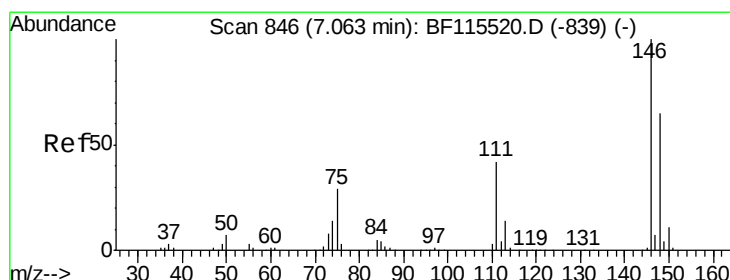
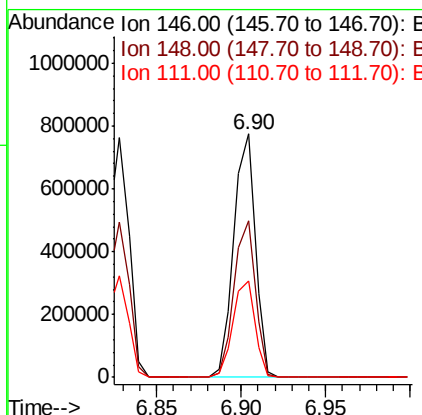
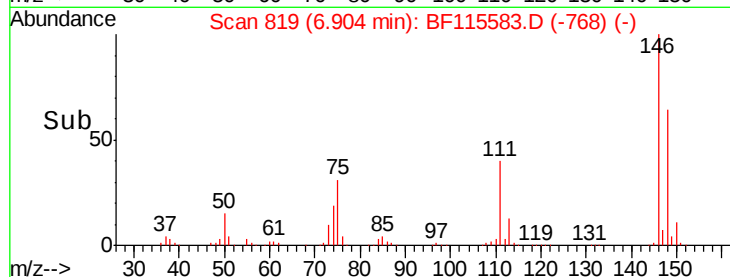
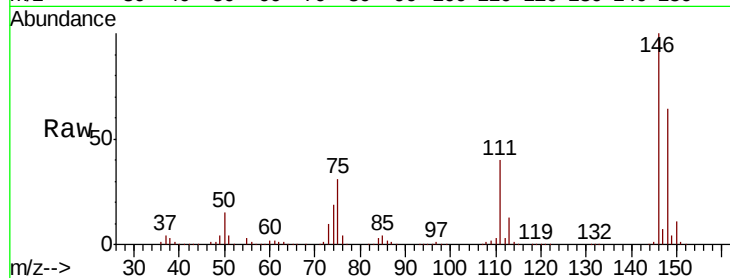
#13
 1,4-Dichlorobenzene
 Concen: 40.730 ng
 RT: 6.90 min Scan# 819
 Delta R.T. 0.00 min
 Lab File: BF115583.D
 Acq: 16 Jul 2019 8:12

Instrument :
 BNA_F
 ClientSampled :
 PB121214BS

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.8	77.6
111	39.5	35.5	53.3

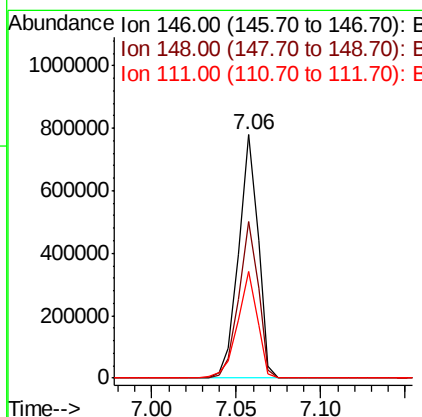
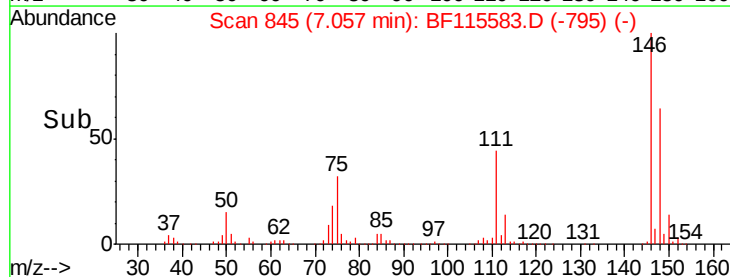
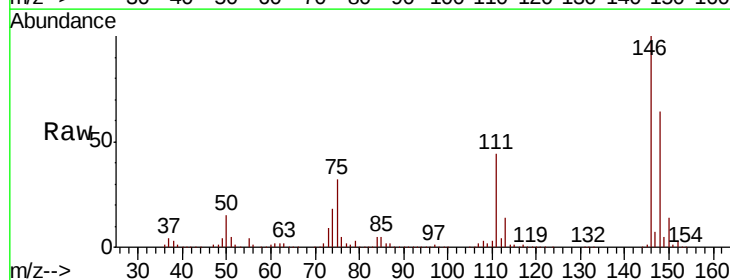
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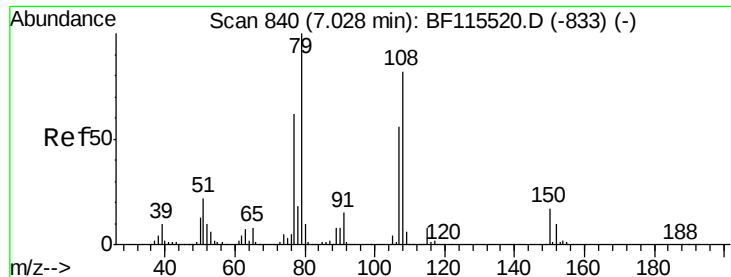
mohammad
 7/17/2019 12:05:22 PM



#14
 1,2-Dichlorobenzene
 Concen: 40.399 ng
 RT: 7.06 min Scan# 845
 Delta R.T. -0.01 min
 Lab File: BF115583.D
 Acq: 16 Jul 2019 8:12

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.1	76.7
111	43.7	37.6	56.4





#15

Benzyl Alcohol

Concen: 43.685 ng

RT: 7.03 min Scan# 840

Delta R.T. 0.00 min

Lab File: BF115583.D

Acq: 16 Jul 2019 8:12

Instrument :

BNA_F

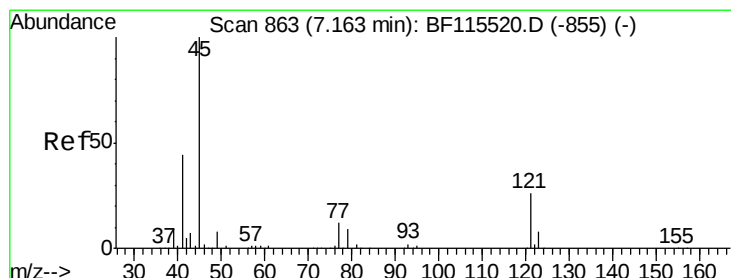
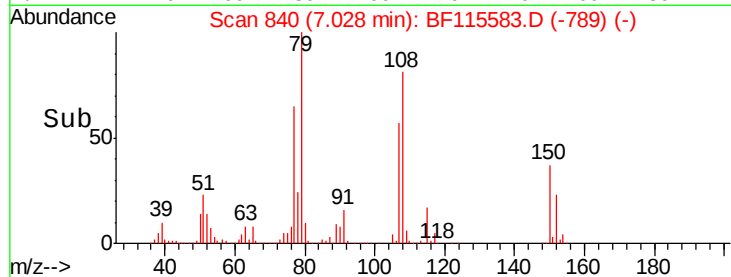
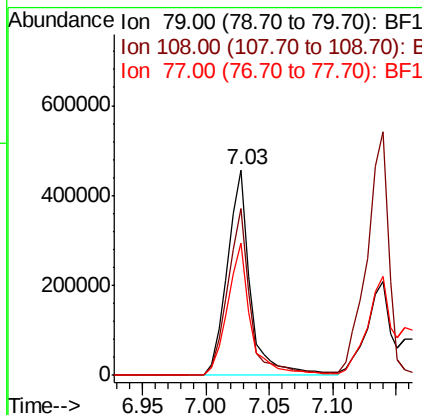
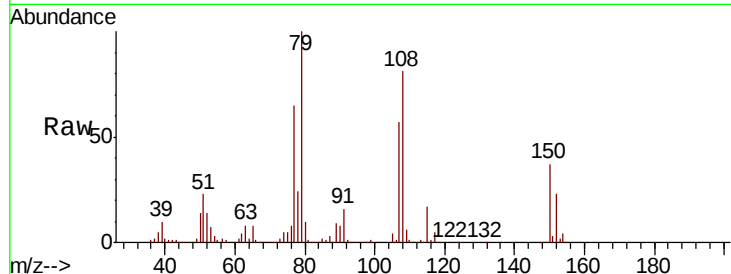
ClientSampleId :

PB121214BS

Tot Ion:	79	Resp:	575869
Ion Ratio	Lower	Upper	
79	100		
108	81.3	64.2	96.4
77	64.6	51.8	77.8

Manual Integrations
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#16

2,2'-oxybis(1-chloropropane)

Concen: 43.098 ng

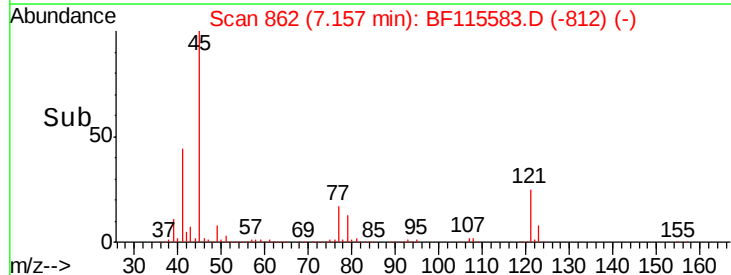
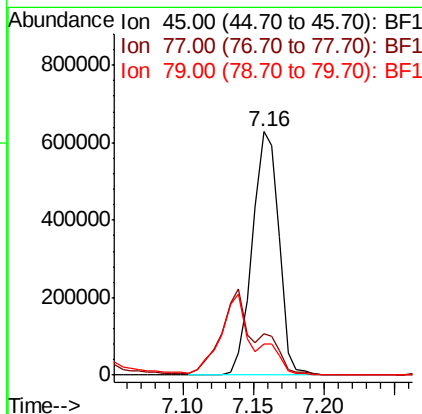
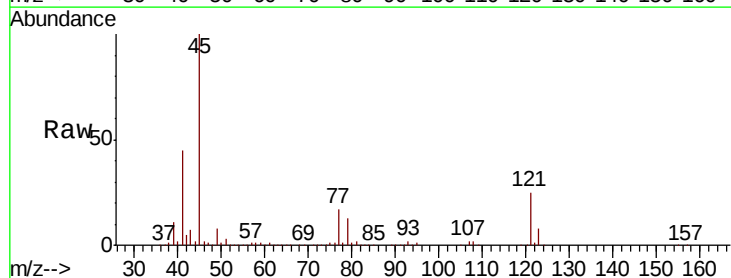
RT: 7.16 min Scan# 862

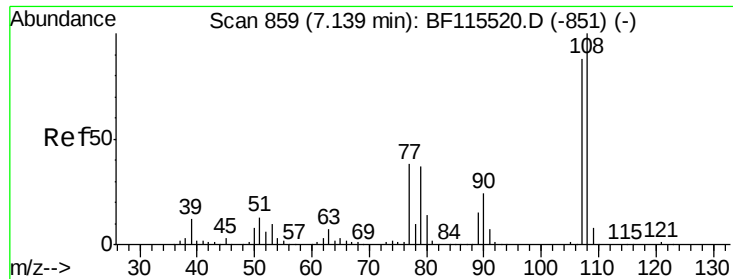
Delta R.T. -0.01 min

Lab File: BF115583.D

Acq: 16 Jul 2019 8:12

Tgt Ion:	45	Resp:	833335
Ion Ratio	Lower	Upper	
45	100		
77	17.1	0.0	38.1
79	12.7	0.0	34.1





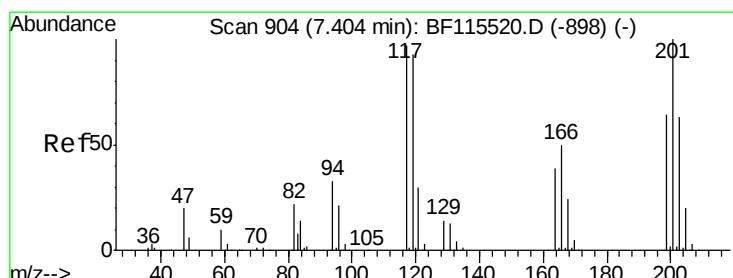
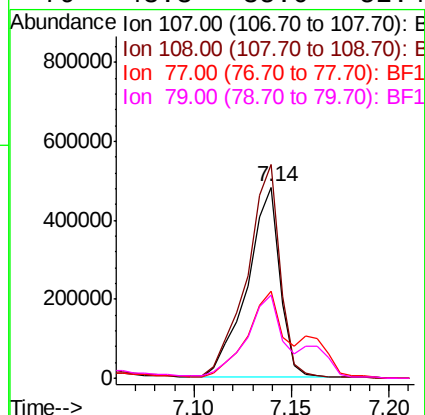
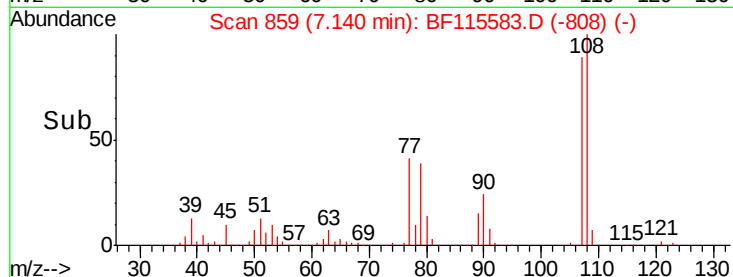
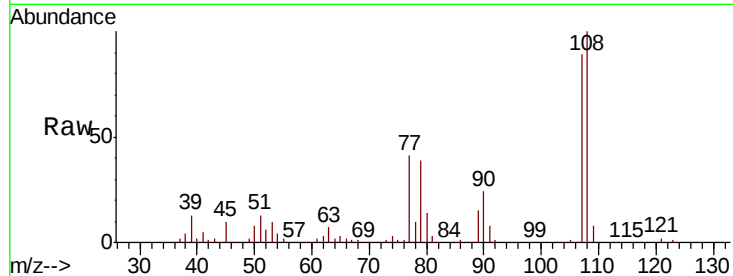
#17
2-Methylphenol
Concen: 43.340 ng
RT: 7.14 min Scan# 859
Delta R.T. 0.00 min
Lab File: BF115583.D
Acq: 16 Jul 2019 8:12

Instrument :
BNA_F
ClientSampleId :
PB121214BS

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	111.7	89.4	134.2	
77	45.6	35.7	53.5	
79	43.3	35.0	52.4	

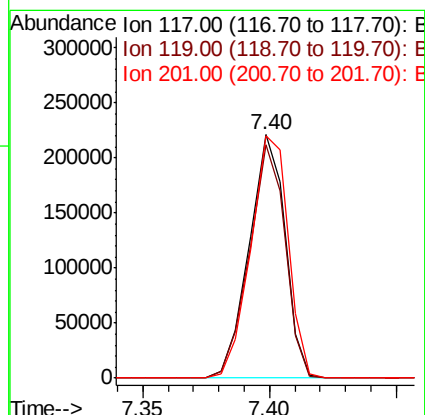
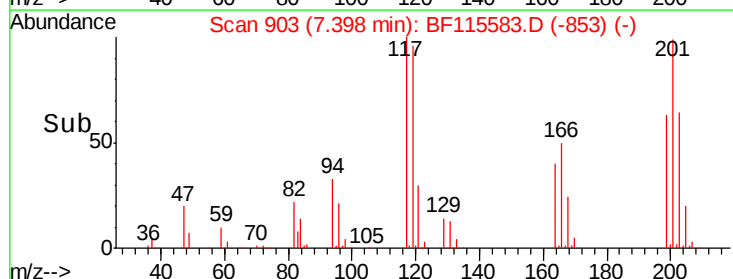
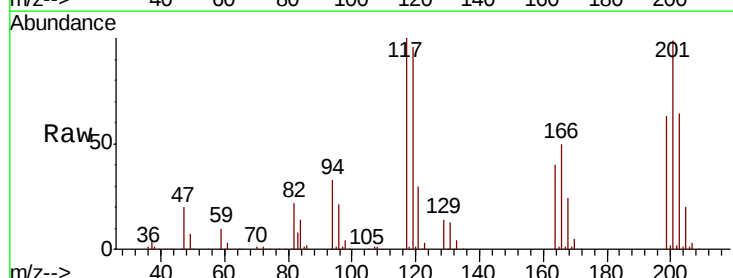
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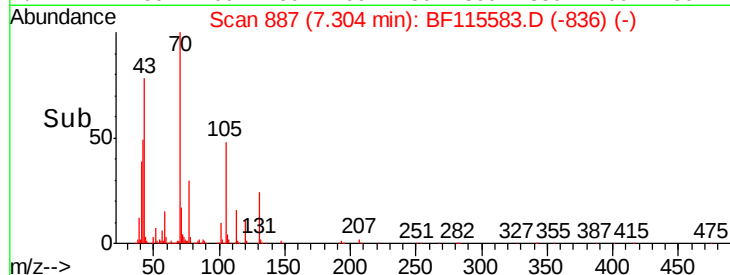
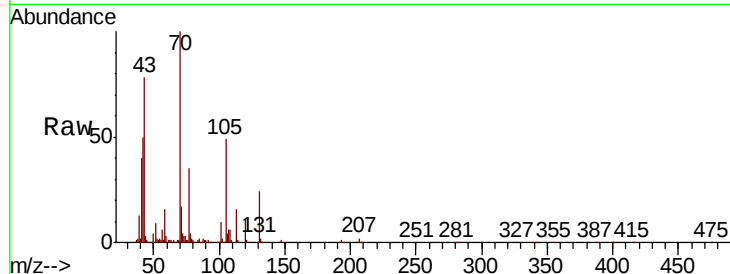
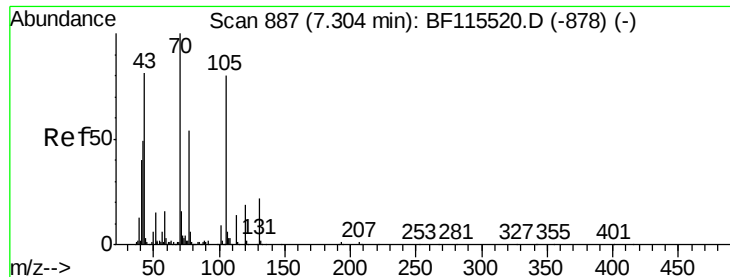
mohammad
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#18
Hexachloroethane
Concen: 34.881 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF115583.D
Acq: 16 Jul 2019 8:12

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	95.6	77.7	116.5	
201	99.5	86.0	129.0	





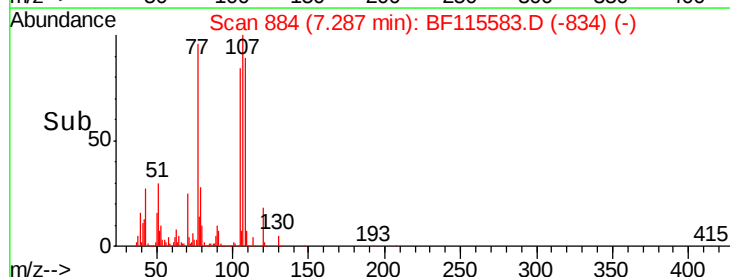
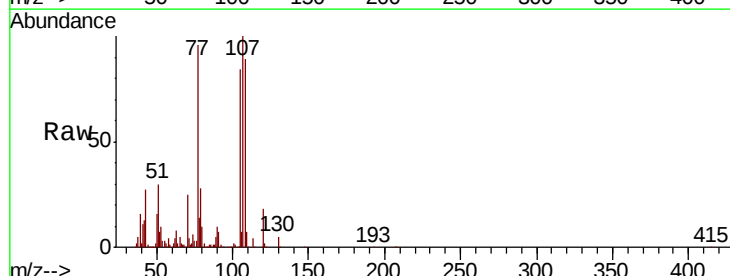
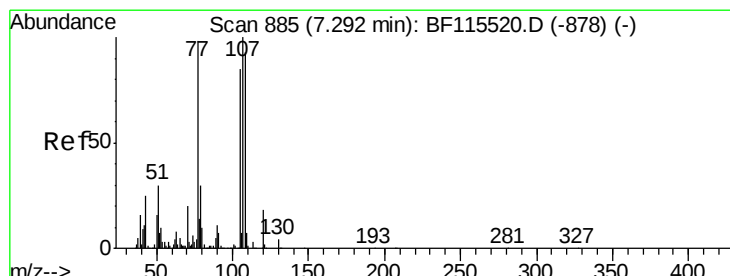
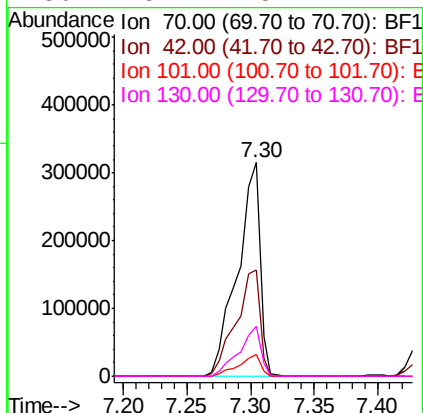
#19
n-Nitroso-di-n-propylamine
Concen: 35.957 ng
RT: 7.30 min Scan# 887
Delta R.T. 0.00 min
Lab File: BF115583.D
Acq: 16 Jul 2019 8:12

Instrument :
BNA_F
ClientSampleId :
PB121214BS

Tot Ion	Ratio	Lower	Upper
70	100		
42	49.5	39.6	59.4
101	10.3	8.1	12.1
130	23.7	18.2	27.2

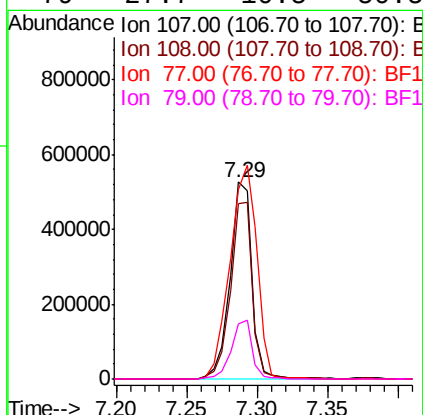
Manual Integrations
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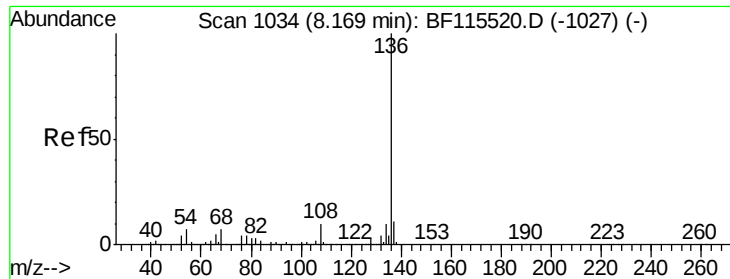
mohammad
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#20
3+4-Methylphenols
Concen: 36.465 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF115583.D
Acq: 16 Jul 2019 8:12

Tgt Ion	Ratio	Lower	Upper
107	100		
108	88.9	72.9	112.9
77	96.1	77.6	117.6
79	27.7	10.5	50.5





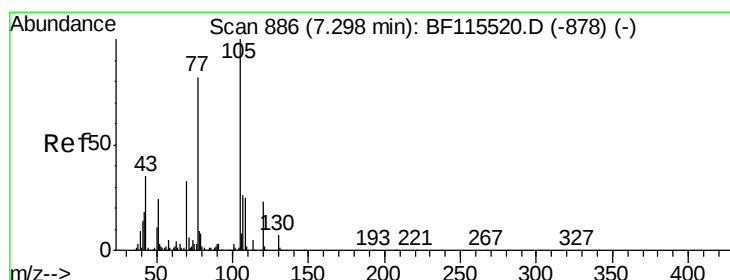
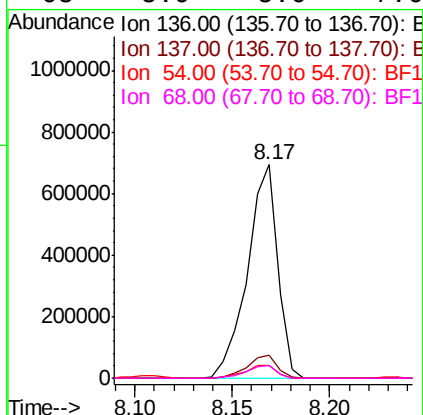
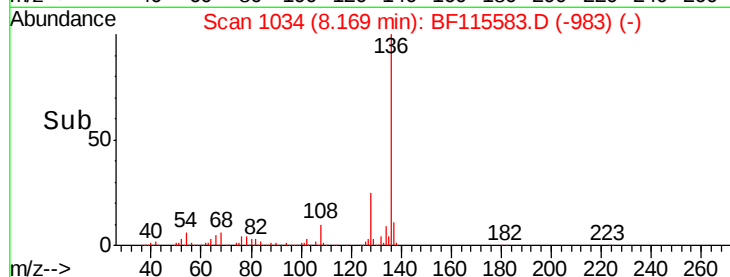
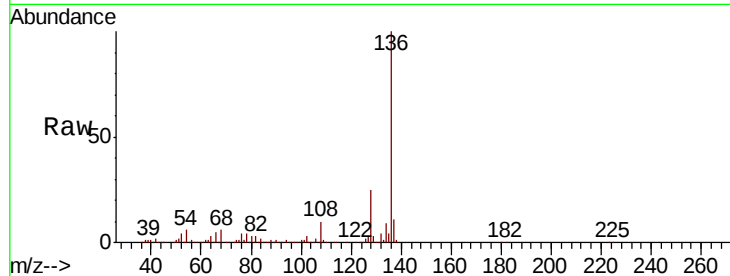
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1034
Delta R.T. 0.00 min
Lab File: BF115583.D
Acq: 16 Jul 2019 8:12

Instrument :
BNA_F
ClientSampled :
PB121214BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		744413		
137	10.6		9.0	13.4	
54	6.2		5.6	8.4	
68	5.9		5.0	7.6	

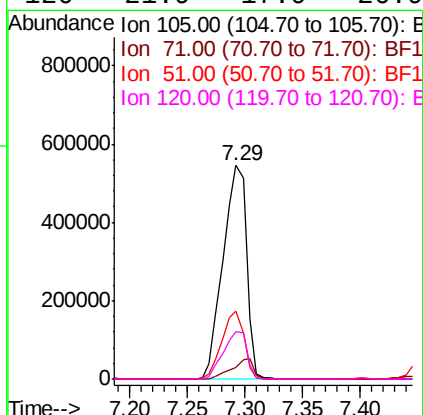
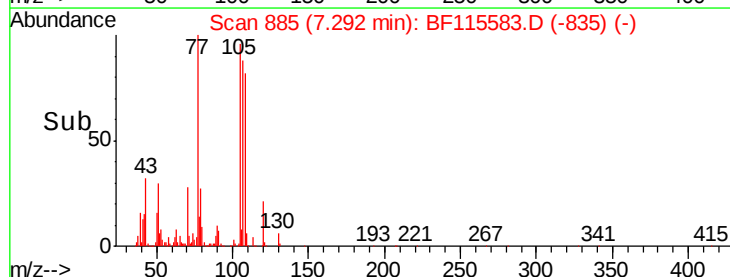
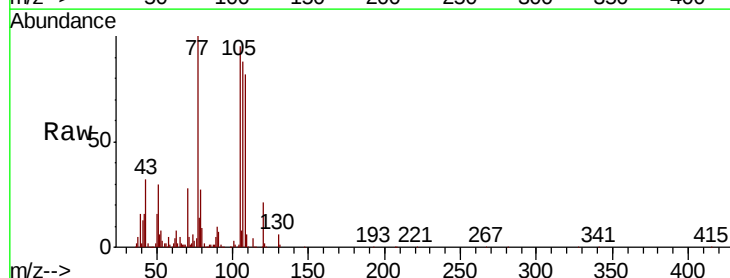
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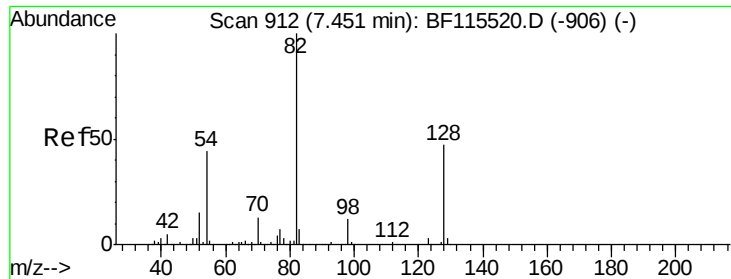
mohammad
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#22
Acetophenone
Concen: 45.936 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF115583.D
Acq: 16 Jul 2019 8:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		772517		
71	5.1		3.5	5.3	
51	31.8		25.6	38.4	
120	21.9		17.9	26.9	





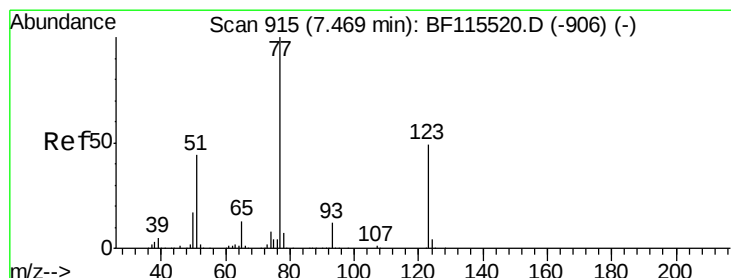
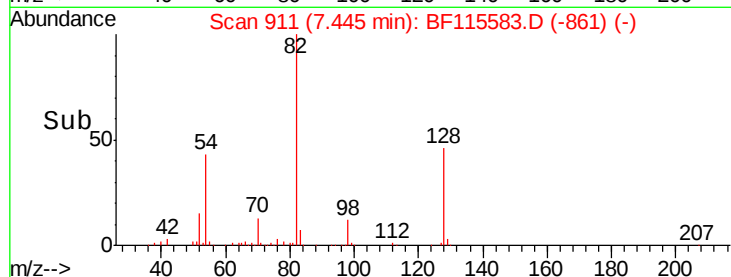
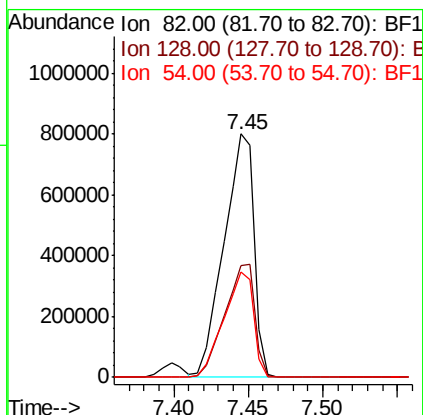
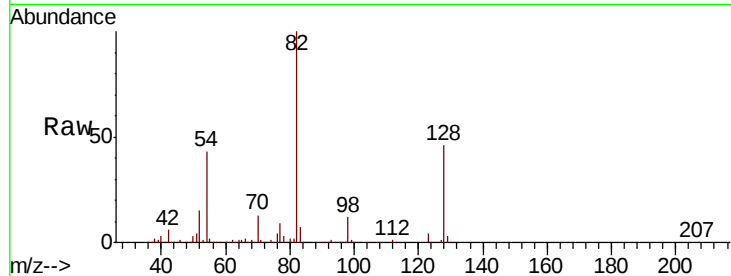
#23
 Nitrobenzene-d5
 Concen: 88.193 ng
 RT: 7.45 min Scan# 911
 Delta R.T. -0.01 min
 Lab File: BF115583.D
 Acq: 16 Jul 2019 8:12

Instrument :
 BNA_F
 ClientSampleId :
 PB121214BS

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.1	38.6	57.8
54	43.2	35.6	53.4

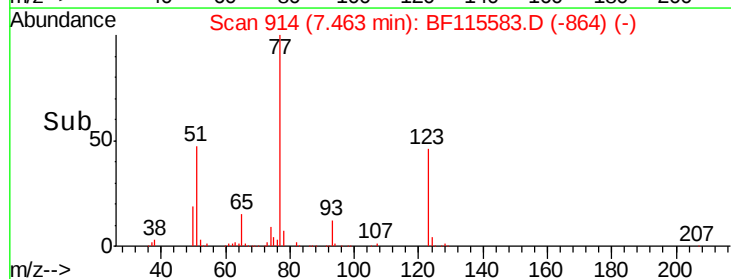
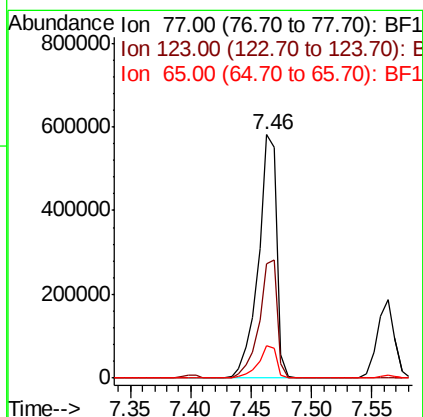
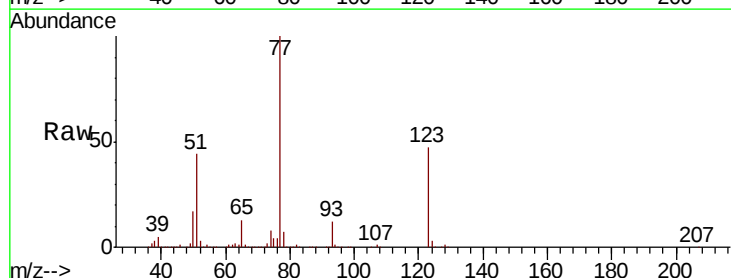
Manual Integrations
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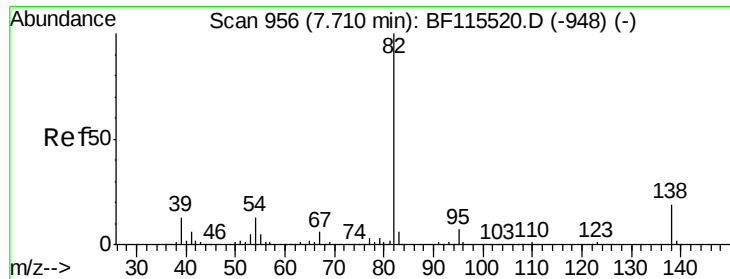
mohammad
 7/17/2019 12:05:22 PM



#24
 Nitrobenzene
 Concen: 44.577 ng
 RT: 7.46 min Scan# 914
 Delta R.T. -0.01 min
 Lab File: BF115583.D
 Acq: 16 Jul 2019 8:12

Tgt Ion	Ratio	Lower	Upper
77	100		
123	47.0	40.0	60.0
65	13.3	11.0	16.4





#25

Isophorone

Concen: 44.269 ng

RT: 7.70 min Scan# 955

Delta R.T. -0.01 min

Lab File: BF115583.D

Acq: 16 Jul 2019 8:12

Instrument :

BNA_F

ClientSampled :

PB121214BS

Tot Ion: 82 Resp: 1134057

Ion Ratio Lower Upper

82 100

95 6.8 5.5 8.3

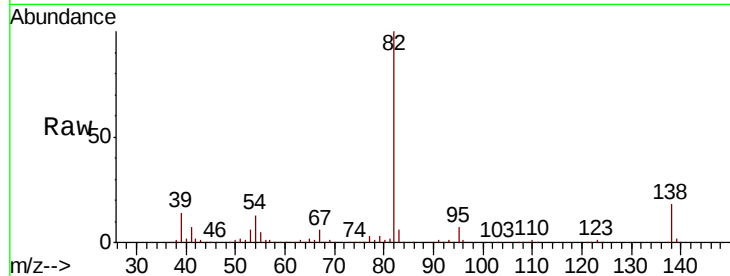
138 18.1 14.9 22.3

Manual Integrations

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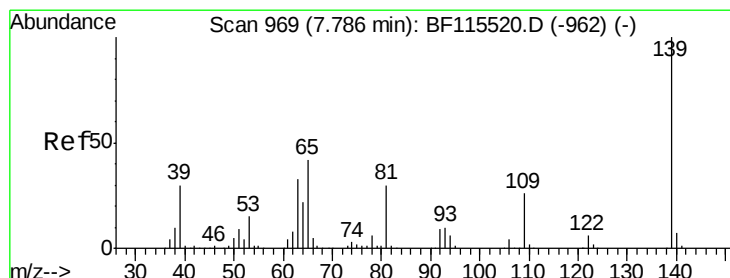
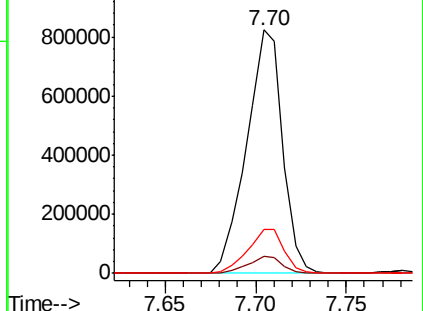
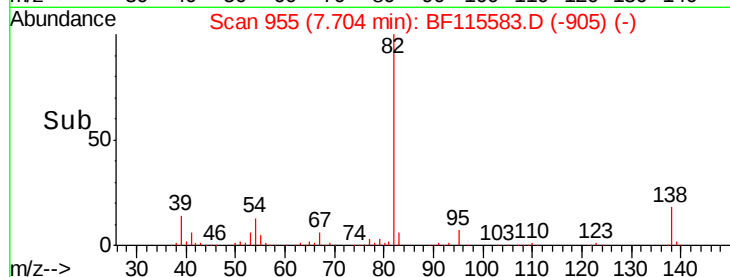
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Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 45.835 ng

RT: 7.78 min Scan# 968

Delta R.T. -0.01 min

Lab File: BF115583.D

Acq: 16 Jul 2019 8:12

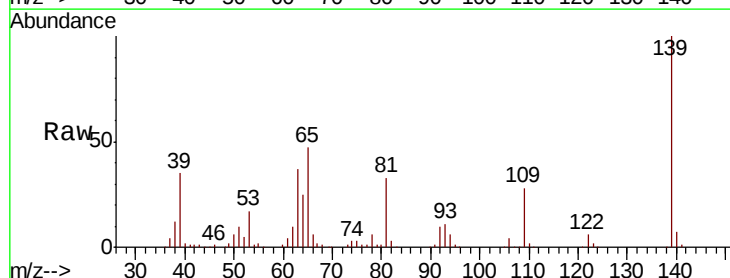
Tgt Ion: 139 Resp: 325768

Ion Ratio Lower Upper

139 100

109 28.3 23.3 34.9

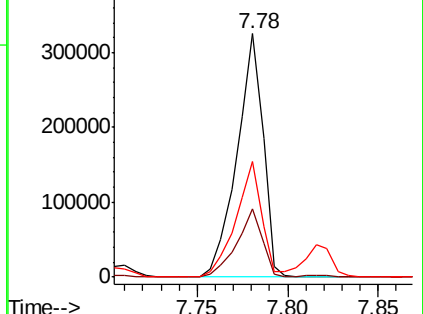
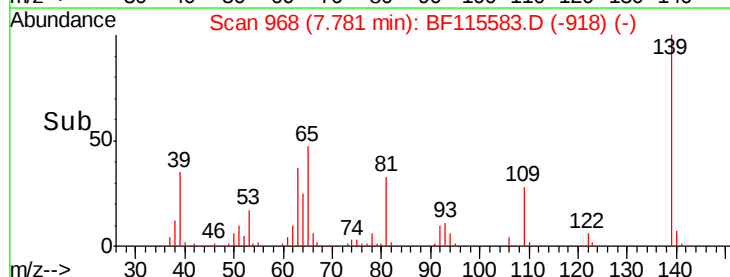
65 47.5 37.9 56.9

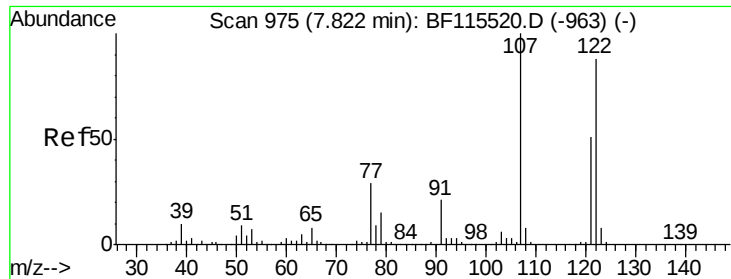


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





#27

2,4-Dimethylphenol

Concen: 50.637 ng

RT: 7.82 min Scan# 974

Delta R.T. -0.01 min

Lab File: BF115583.D

Acq: 16 Jul 2019 8:12

Instrument :

BNA_F

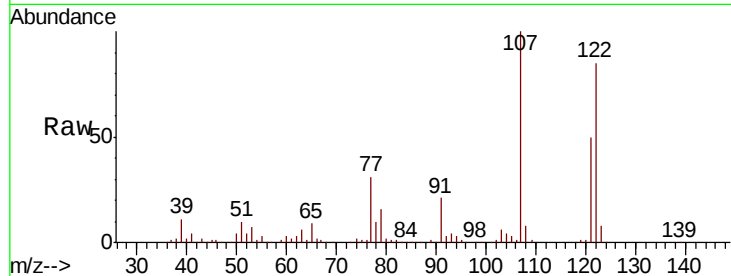
ClientSampleId :

PB121214BS

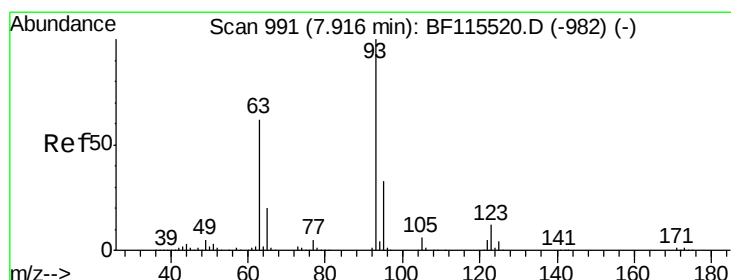
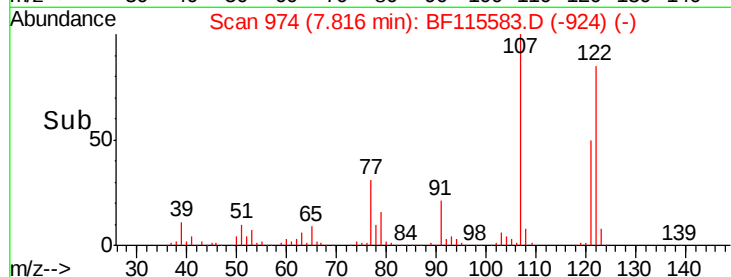
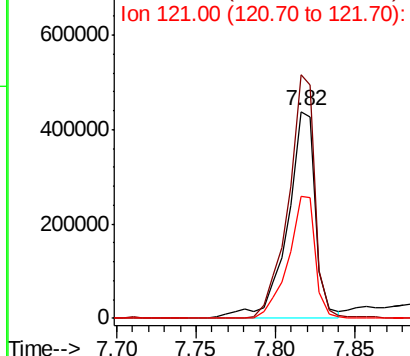
Tot Ion:	122	Resp:	538493
Ion Ratio	Lower	Upper	
122	100		
107	117.9	92.9	139.3
121	59.1	46.9	70.3

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Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 43.804 ng

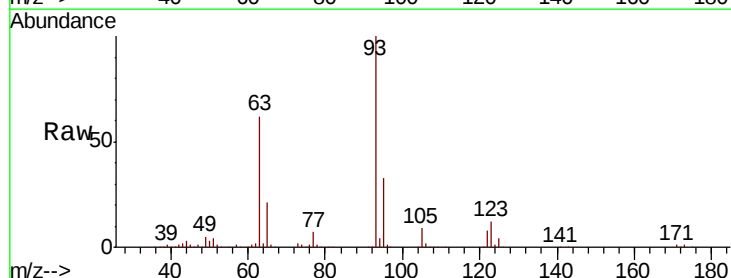
RT: 7.91 min Scan# 990

Delta R.T. -0.01 min

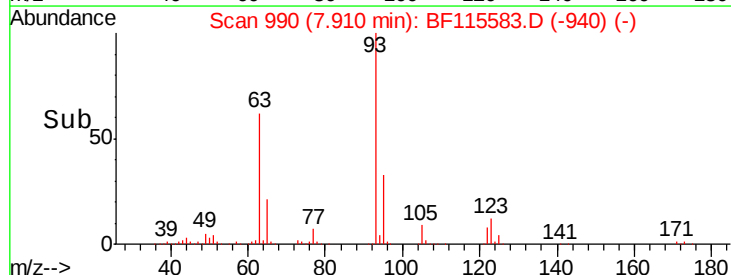
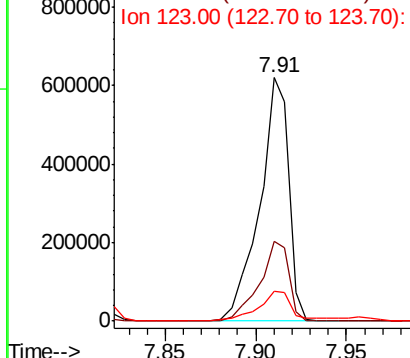
Lab File: BF115583.D

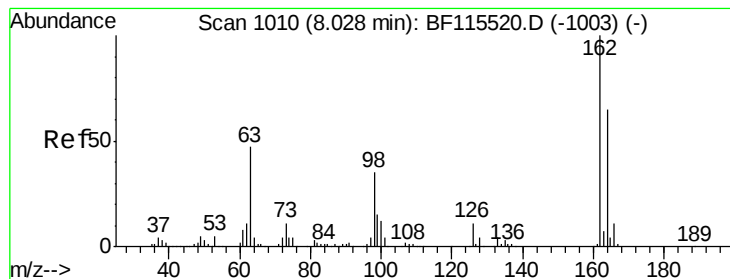
Acq: 16 Jul 2019 8:12

Tgt Ion:	93	Resp:	688426
Ion Ratio	Lower	Upper	
93	100		
95	32.8	27.0	40.4
123	12.2	9.9	14.9



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 45.794 ng

RT: 8.02 min Scan# 1009

Delta R.T. -0.01 min

Lab File: BF115583.D

Acq: 16 Jul 2019 8:12

Instrument :

BNA_F

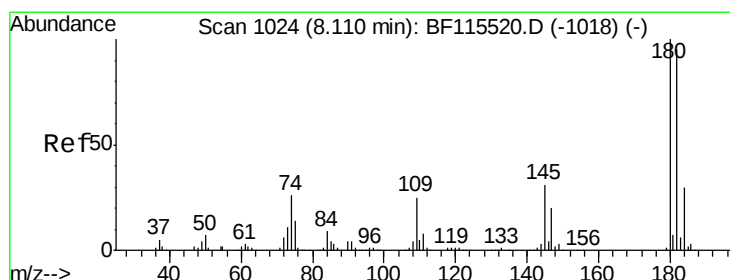
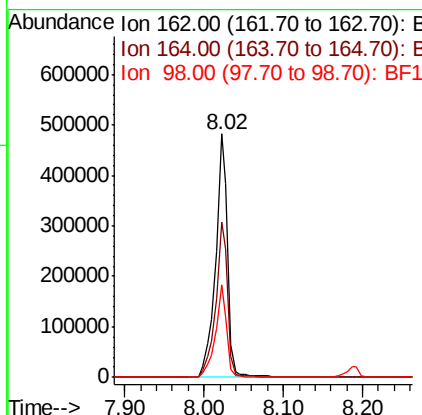
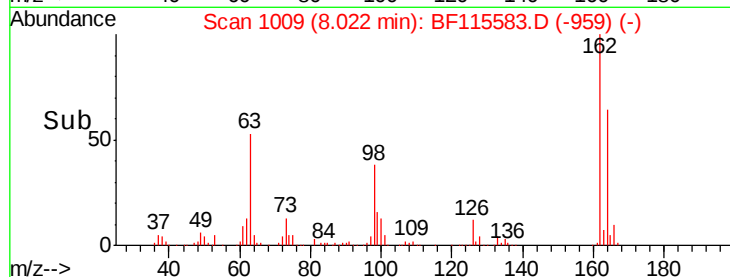
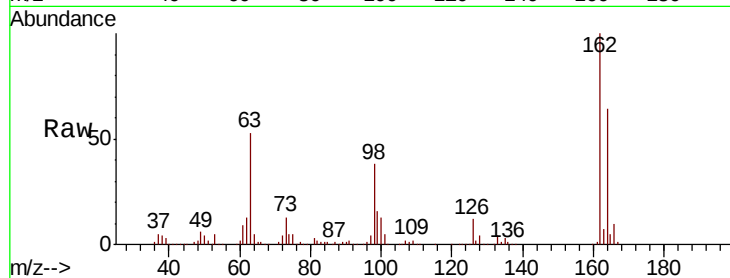
ClientSampleId :

PB121214BS

Tot Ion:	162	Resp:	506471
Ion Ratio	Lower	Upper	
162	100		
164	63.6	44.9	84.9
98	38.2	17.7	57.7

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#30

1,2,4-Trichlorobenzene

Concen: 43.982 ng

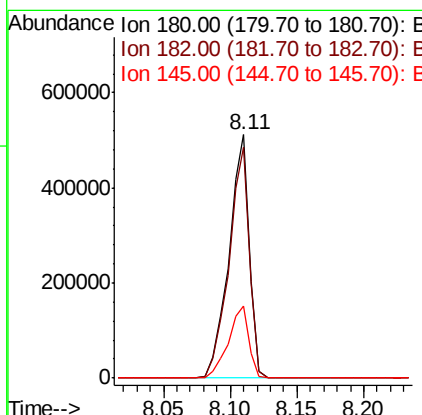
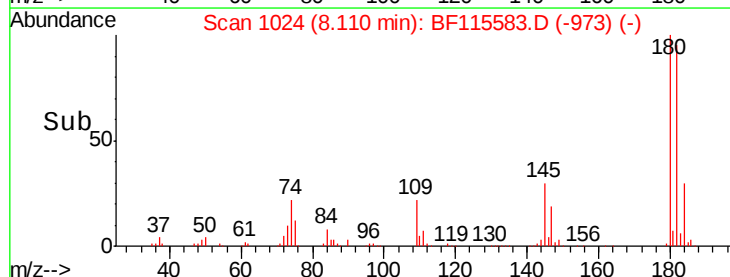
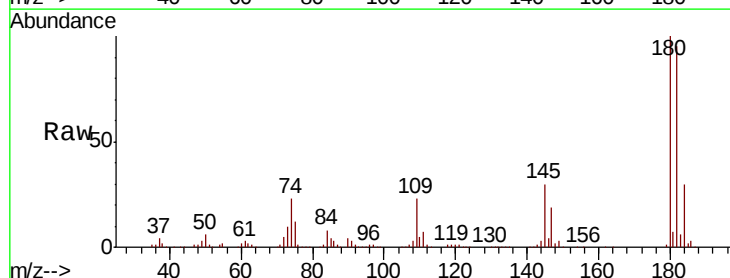
RT: 8.11 min Scan# 1024

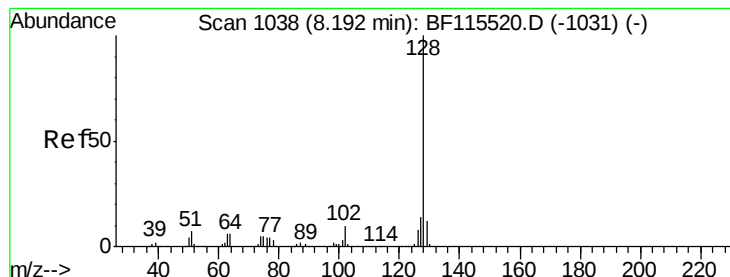
Delta R.T. 0.00 min

Lab File: BF115583.D

Acq: 16 Jul 2019 8:12

Tgt Ion:	180	Resp:	549853
Ion Ratio	Lower	Upper	
180	100		
182	94.6	75.0	112.6
145	29.7	25.1	37.7





#31

Naphthalene

Concen: 44.938 ng

RT: 8.19 min Scan# 1038

Delta R.T. 0.00 min

Lab File: BF115583.D

Acq: 16 Jul 2019 8:12

Instrument :

BNA_F

ClientSampleId :

PB121214BS

Tot Ion:128 Resp: 1620097

Ion Ratio Lower Upper

128 100

129 11.3 9.9 14.9

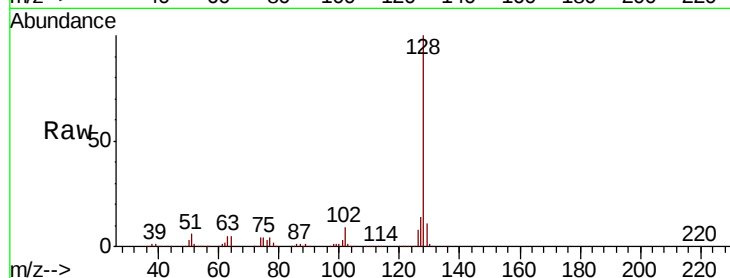
127 13.9 12.1 18.1

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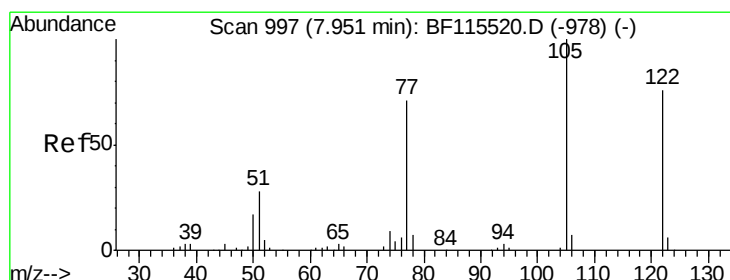
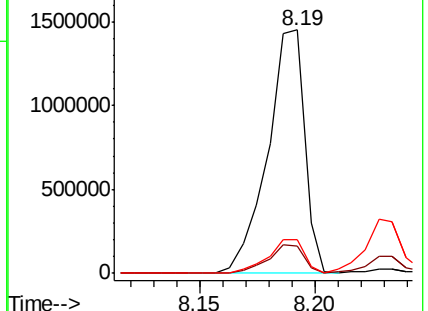
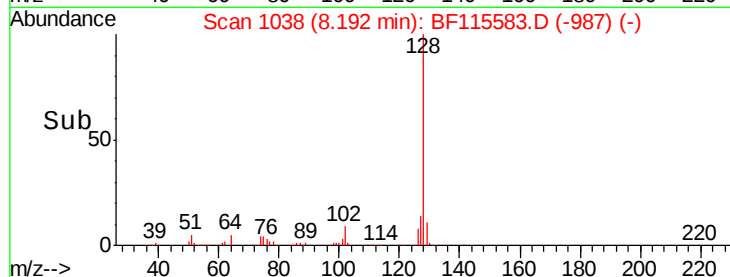
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 44.408 ng

RT: 7.96 min Scan# 999

Delta R.T. 0.01 min

Lab File: BF115583.D

Acq: 16 Jul 2019 8:12

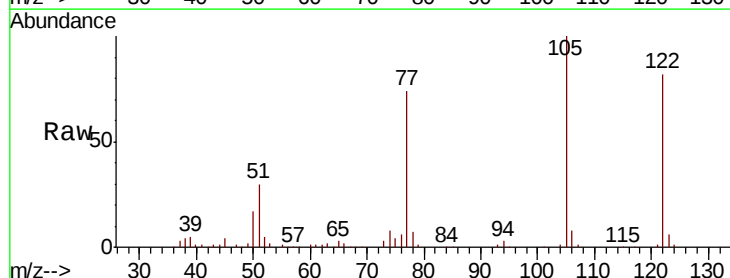
Tgt Ion:122 Resp: 387563

Ion Ratio Lower Upper

122 100

105 122.6 102.5 142.5

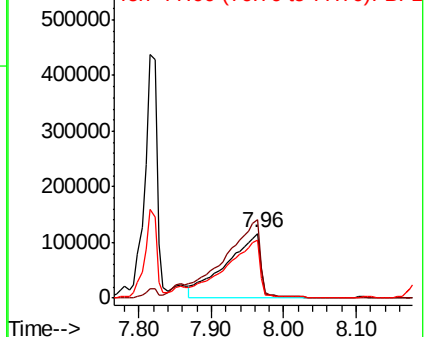
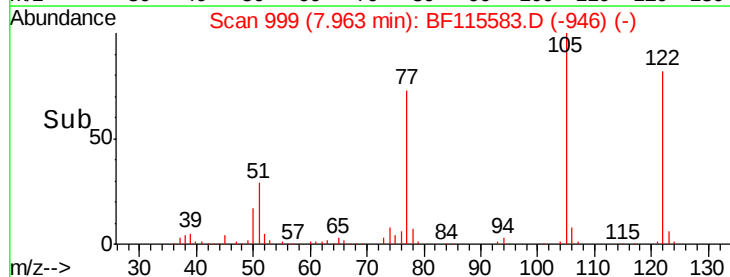
77 90.4 70.2 110.2

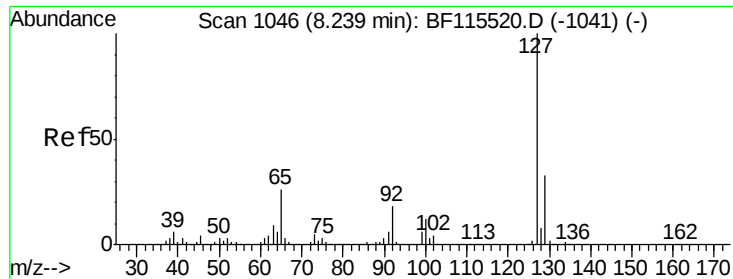


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





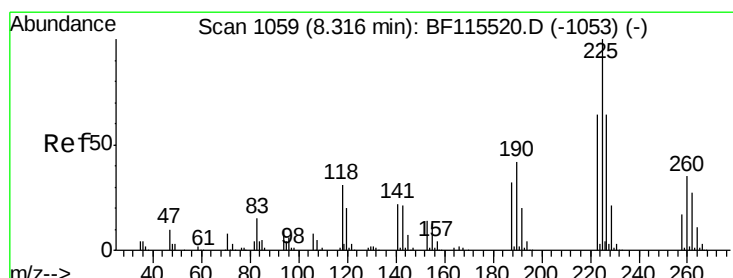
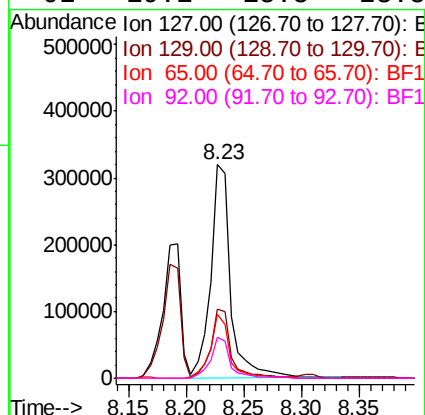
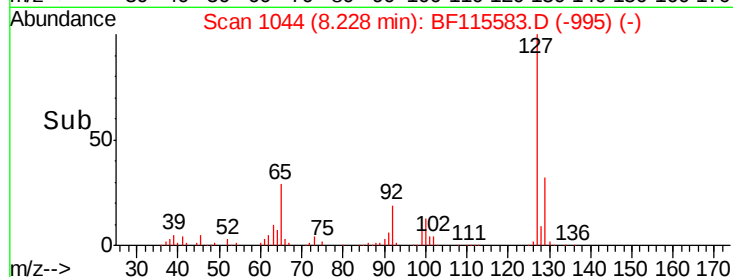
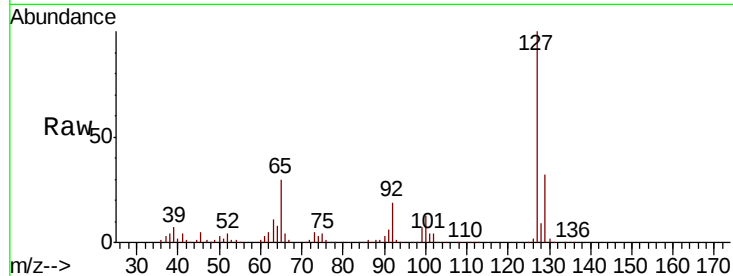
#33
4-Chloroaniline
Concen: 23.937 ng
RT: 8.23 min Scan# 1044
Delta R.T. -0.01 min
Lab File: BF115583.D
Acq: 16 Jul 2019 8:12

Instrument :
BNA_F
ClientSampleID :
PB121214BS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.2	26.6	39.8		
65	30.2	23.7	35.5		
92	19.1	15.8	23.8		

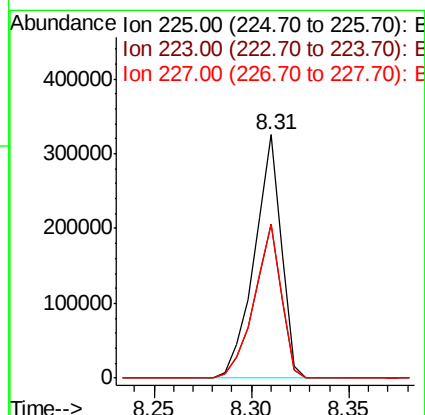
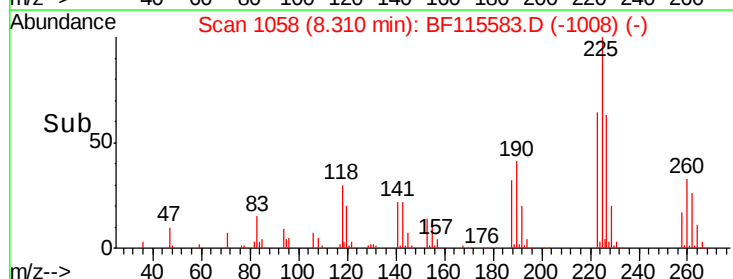
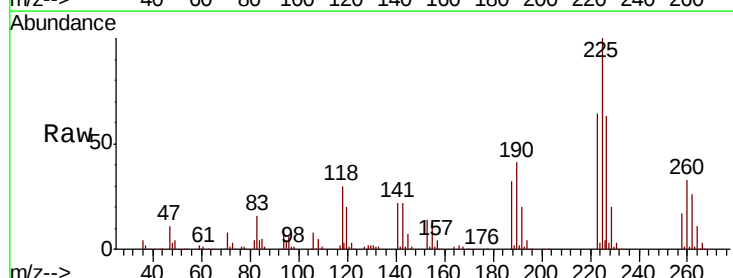
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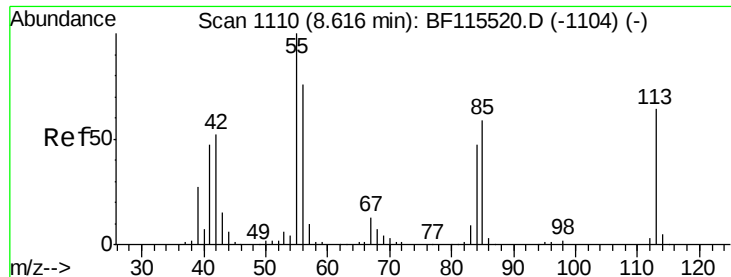
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#34
Hexachlorobutadiene
Concen: 43.273 ng
RT: 8.31 min Scan# 1058
Delta R.T. -0.01 min
Lab File: BF115583.D
Acq: 16 Jul 2019 8:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	63.5	50.9	76.3		
227	63.2	50.7	76.1		





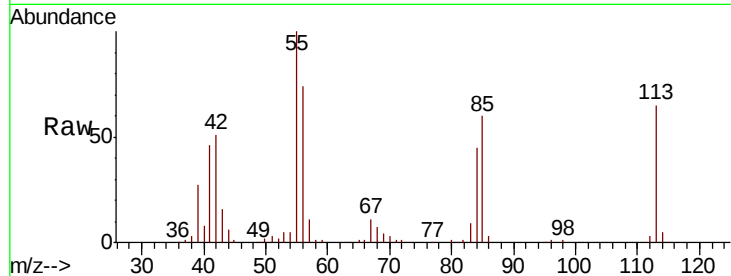
#35
Caprolactam
Concen: 46.688 ng/ml
RT: 8.62 min Scan# 1110
Delta R.T. 0.00 min
Lab File: BF115583.D
Acq: 16 Jul 2019 8:12

Instrument :
BNA_F
ClientSampleId :
PB121214BS

Tot Ion	Ratio	Lower	Upper
113	100		
55	153.4	126.9	166.9
56	112.7	90.3	130.3

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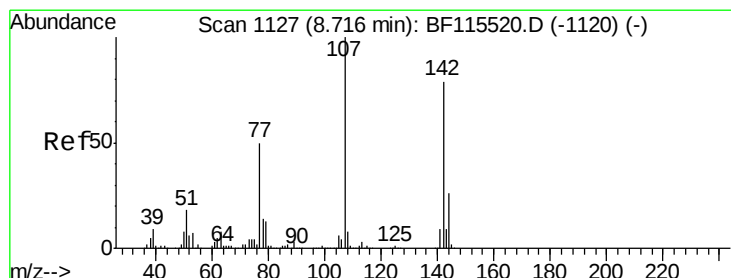
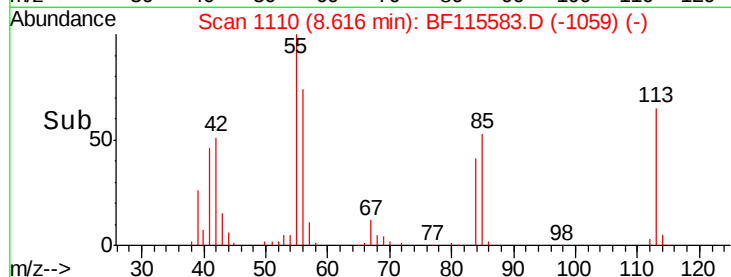
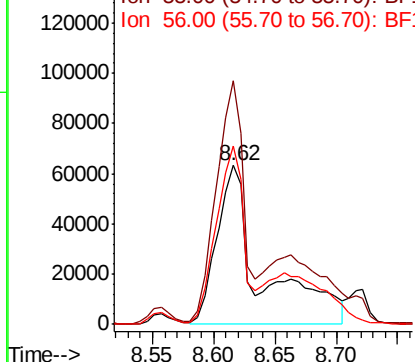


Abundance

Ion 113.00 (112.70 to 113.70): E

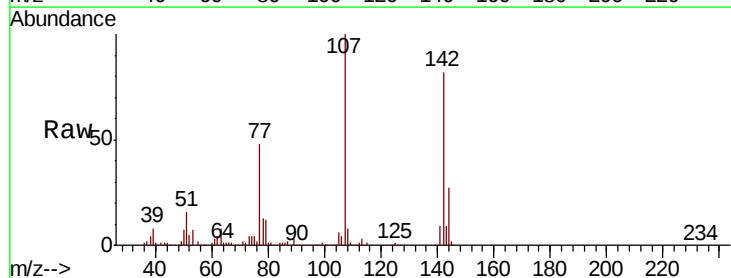
Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36
4-Chloro-3-methylphenol
Concen: 46.054 ng/ml
RT: 8.72 min Scan# 1128
Delta R.T. 0.01 min
Lab File: BF115583.D
Acq: 16 Jul 2019 8:12

Tgt Ion	Ratio	Lower	Upper
107	100		
144	27.0	20.6	30.8
142	81.9	63.1	94.7

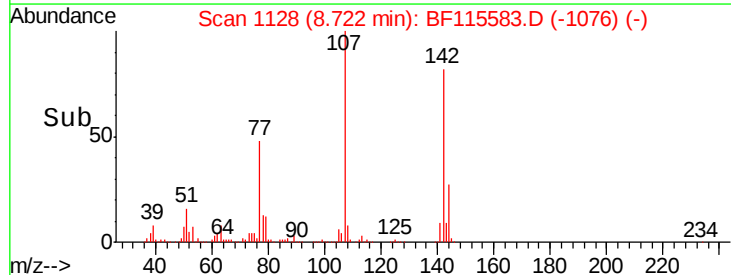
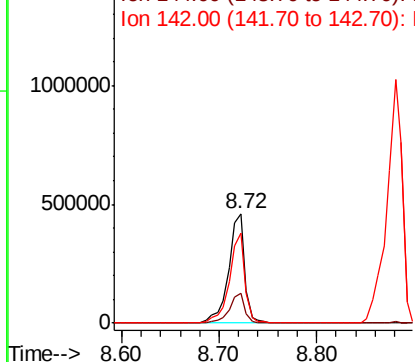


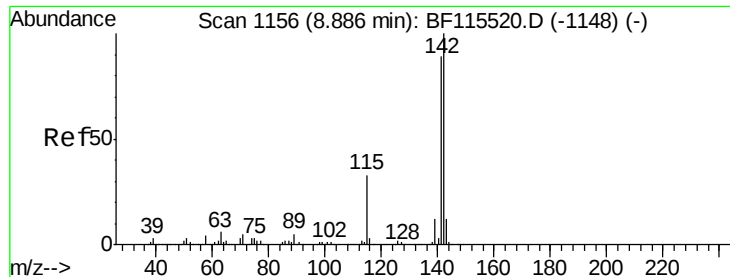
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





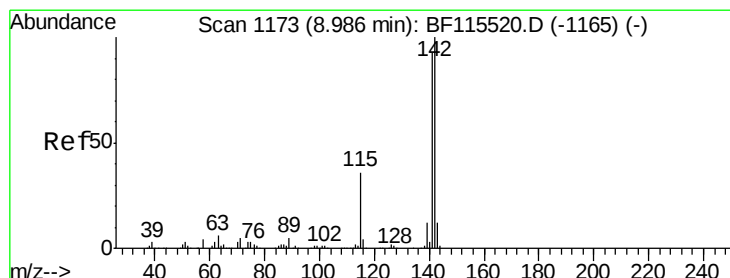
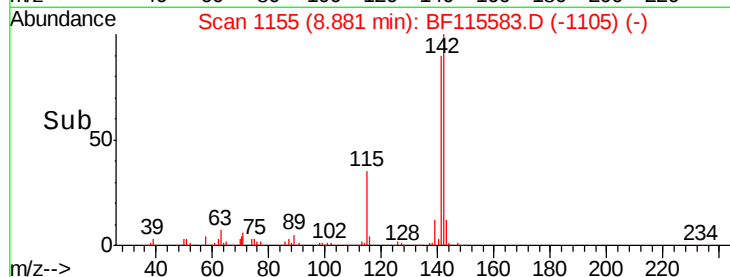
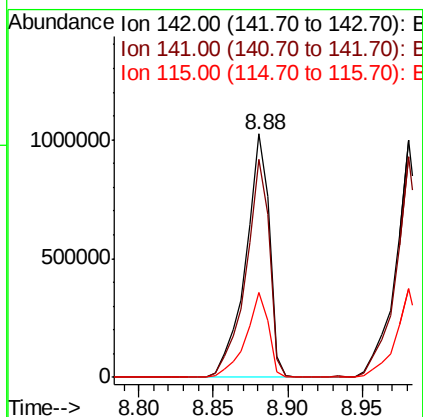
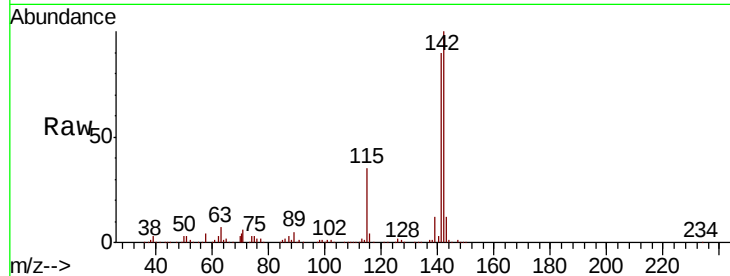
#37
2-Methylnaphthalene
Concen: 46.925 ng
RT: 8.88 min Scan# 1155
Delta R.T. -0.01 min
Lab File: BF115583.D
Acq: 16 Jul 2019 8:12

Instrument :
BNA_F
ClientSampled :
PB121214BS

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.8	72.0	108.0
115	34.6	29.9	44.9

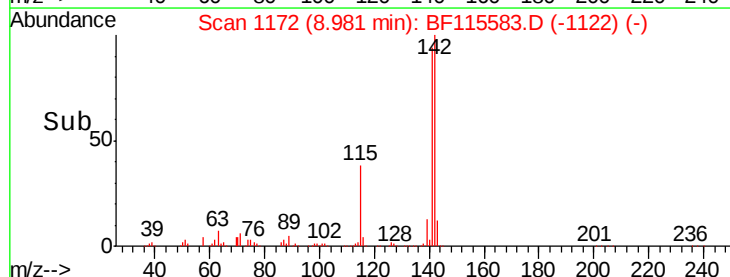
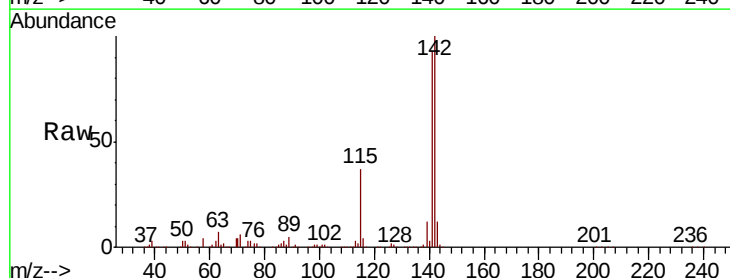
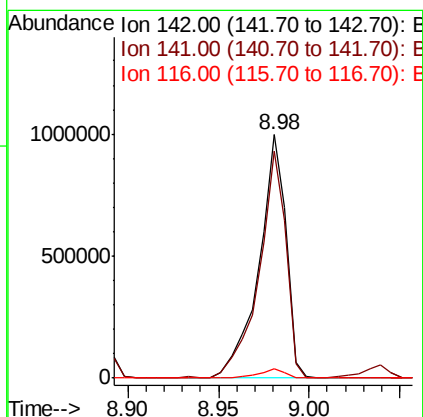
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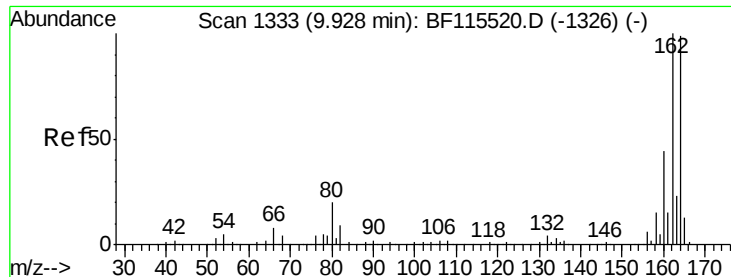
mohammad
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#38
1-Methylnaphthalene
Concen: 45.729 ng
RT: 8.98 min Scan# 1172
Delta R.T. -0.01 min
Lab File: BF115583.D
Acq: 16 Jul 2019 8:12

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.2	75.3	112.9
116	3.7	3.3	4.9





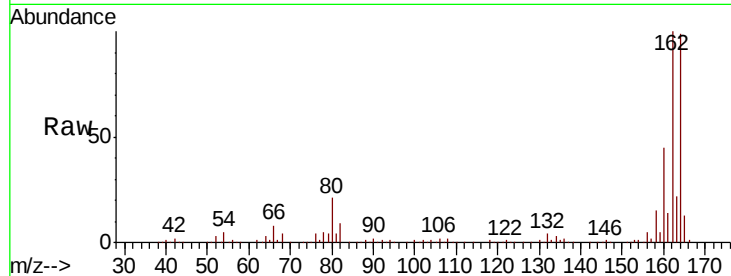
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF115583.D
Acq: 16 Jul 2019 8:12

Instrument :
BNA_F
ClientSampleId :
PB121214BS

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.5	82.9	124.3
160	45.6	36.8	55.2

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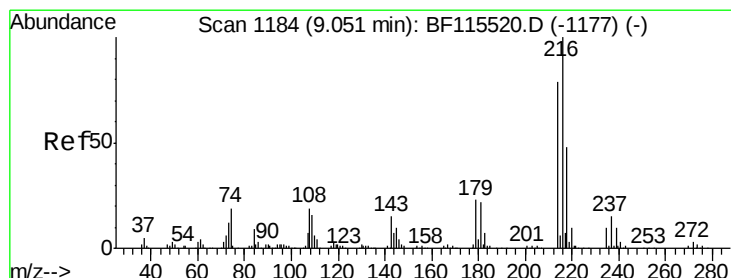
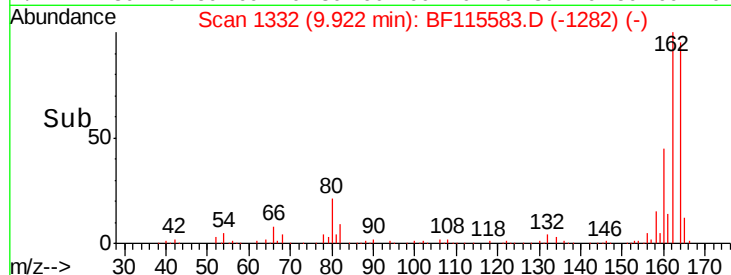
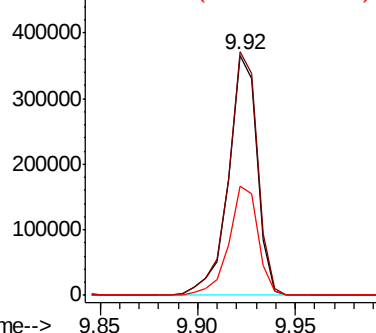


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.643 ng
RT: 9.05 min Scan# 1184
Delta R.T. 0.00 min
Lab File: BF115583.D
Acq: 16 Jul 2019 8:12

Tgt Ion	Ratio	Lower	Upper
216	100		
214	80.0	65.1	97.7
179	22.0	18.3	27.5
108	20.0	15.7	23.5

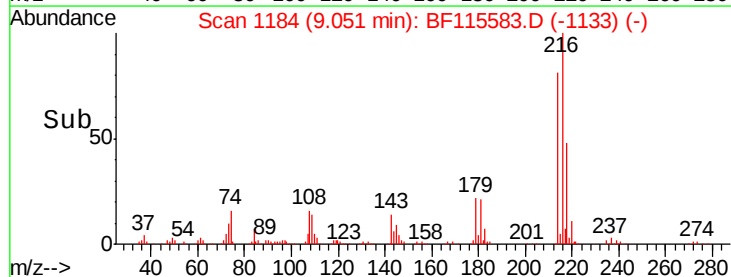
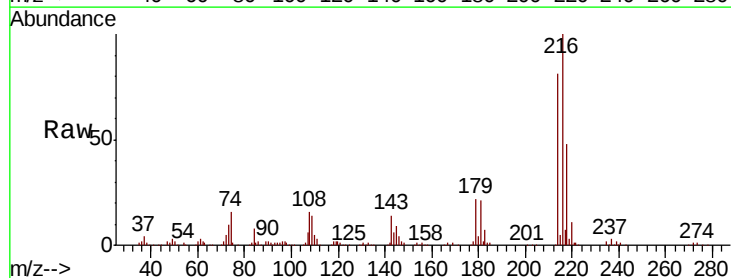
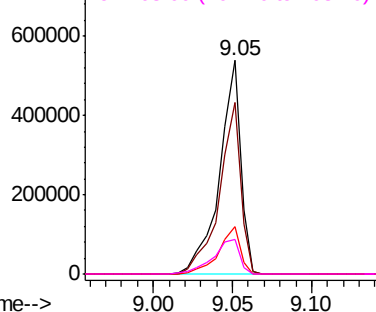
Abundance

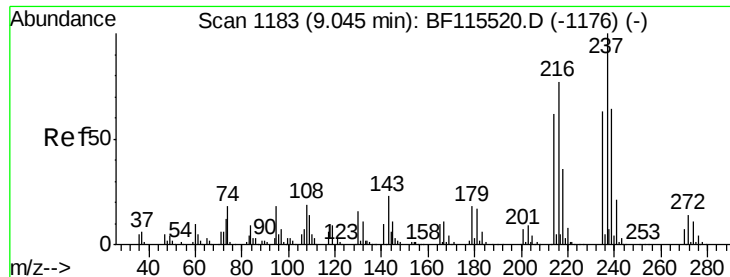
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 67.751 ng

RT: 9.04 min Scan# 1182

Delta R.T. -0.01 min

Lab File: BF115583.D

Acq: 16 Jul 2019 8:12

Instrument :

BNA_F

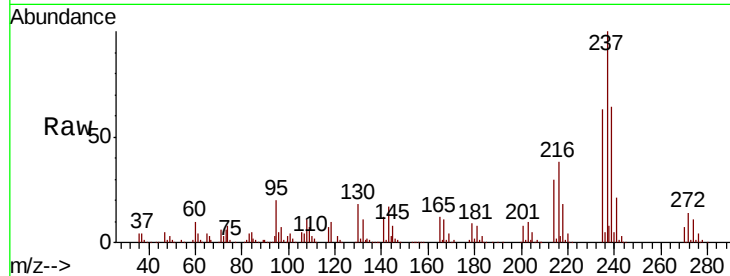
ClientSampleId :

PB121214BS

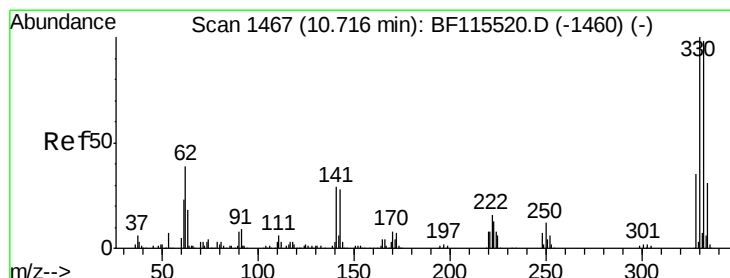
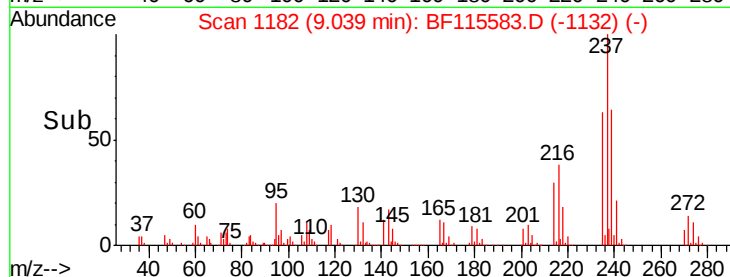
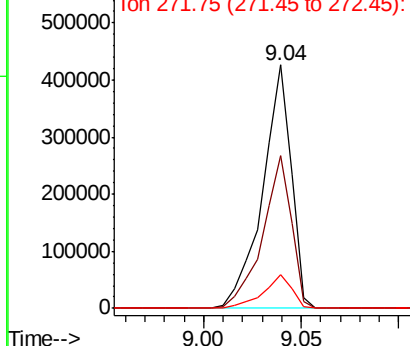
Tot Ion:	237	Resp:	433623
Ion Ratio	Lower	Upper	
237	100		
235	62.9	43.6	83.6
272	13.6	0.0	33.9

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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: 126.283 ng

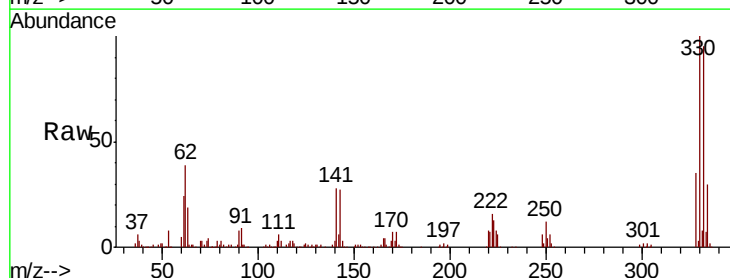
RT: 10.72 min Scan# 1467

Delta R.T. 0.00 min

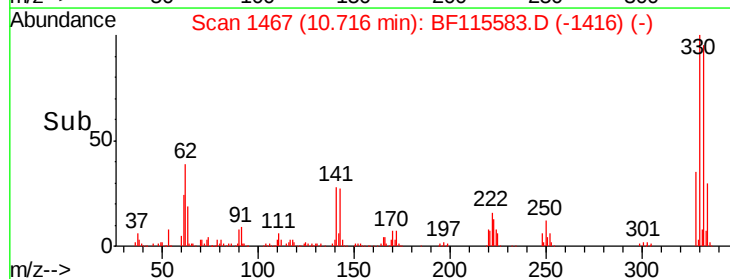
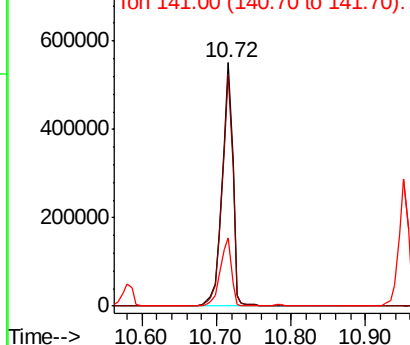
Lab File: BF115583.D

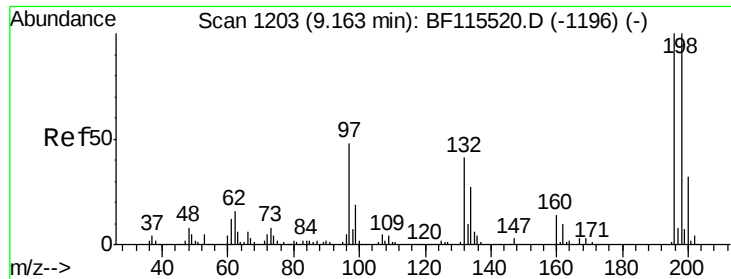
Acq: 16 Jul 2019 8:12

Tgt Ion:	330	Resp:	549198
Ion Ratio	Lower	Upper	
330	100		
332	95.7	77.4	116.2
141	29.3	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





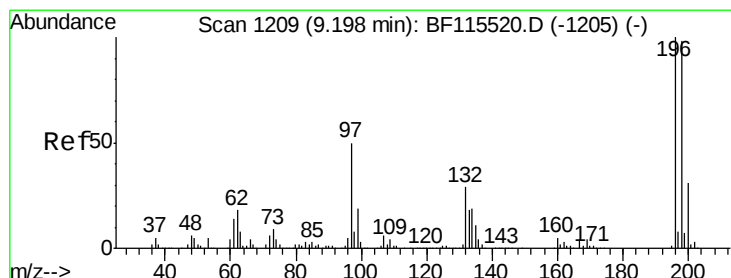
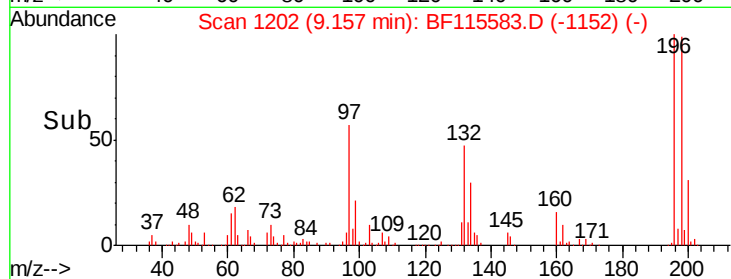
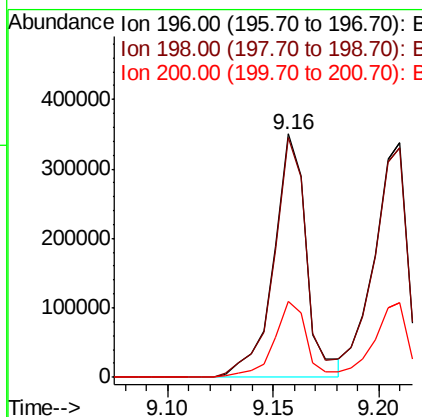
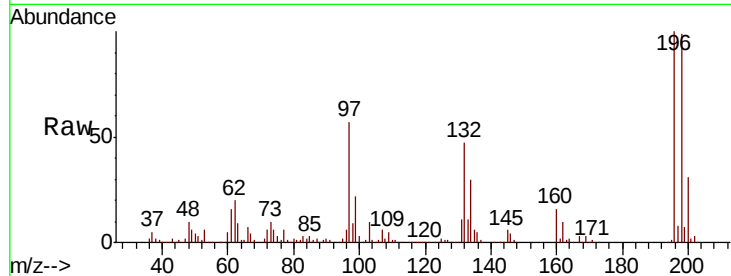
#43
 2,4,6-Trichlorophenol
 Concen: 46.117 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF115583.D
 Acq: 16 Jul 2019 8:12

Instrument :
 BNA_F
 ClientSampleId :
 PB121214BS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	378387		
198	98.6	80.6	121.0	
200	31.2	25.8	38.6	

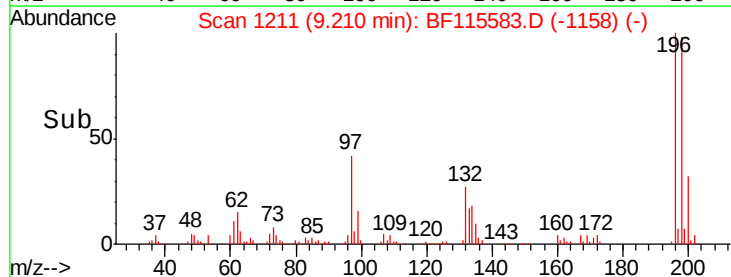
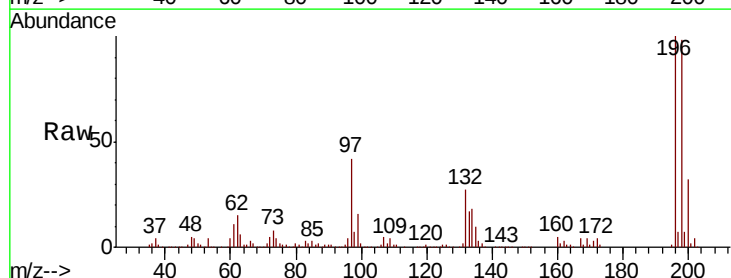
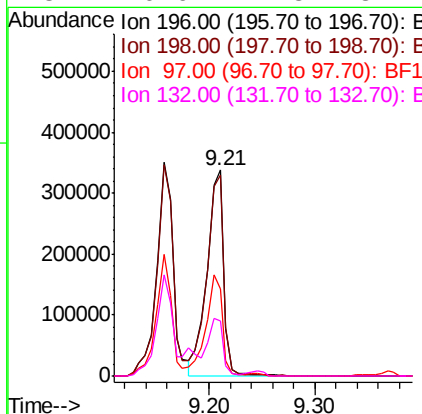
Manual Integrations
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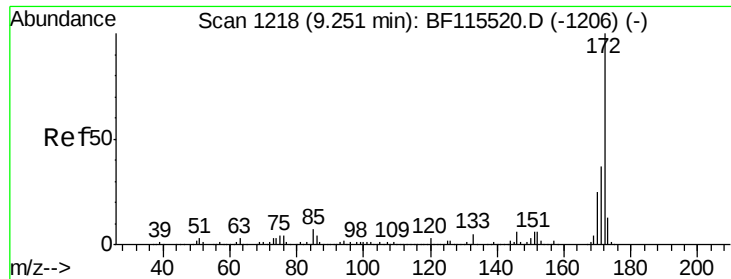
mohammad
 7/17/2019 12:05:22 PM



#44
 2,4,5-Trichlorophenol
 Concen: 44.676 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. 0.01 min
 Lab File: BF115583.D
 Acq: 16 Jul 2019 8:12

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	375400		
198	97.5	79.6	119.4	
97	42.5	37.8	56.6	
132	26.6	22.8	34.2	





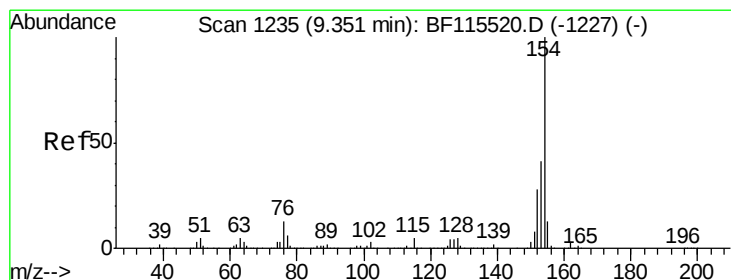
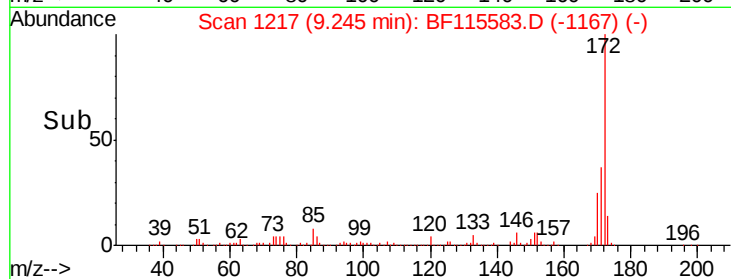
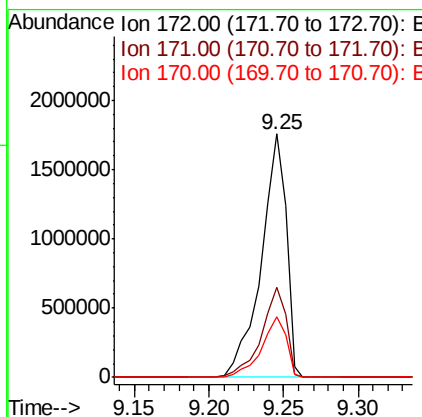
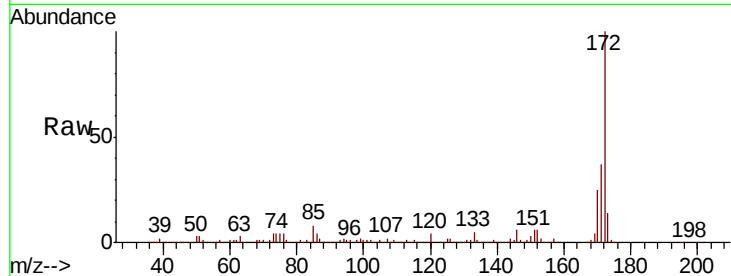
#45
2-Fluorobiphenyl
Concen: 95.515 ng
RT: 9.25 min Scan# 1217
Delta R.T. -0.01 min
Lab File: BF115583.D
Acq: 16 Jul 2019 8:12

Instrument :
BNA_F
ClientSampleId :
PB121214BS

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.2	30.6	46.0
170	25.0	20.5	30.7

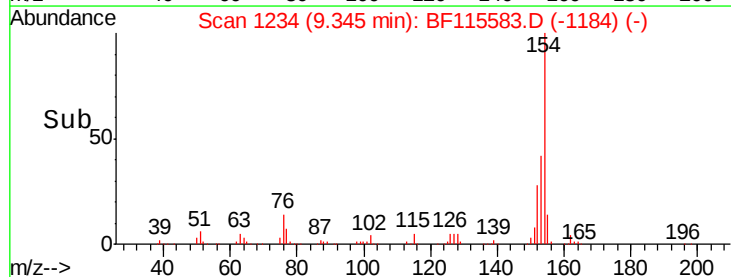
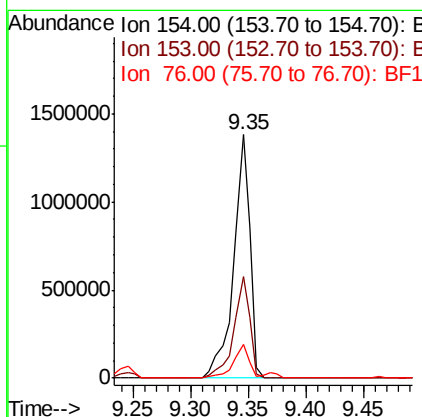
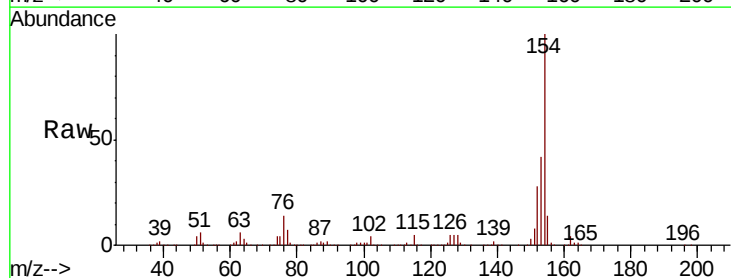
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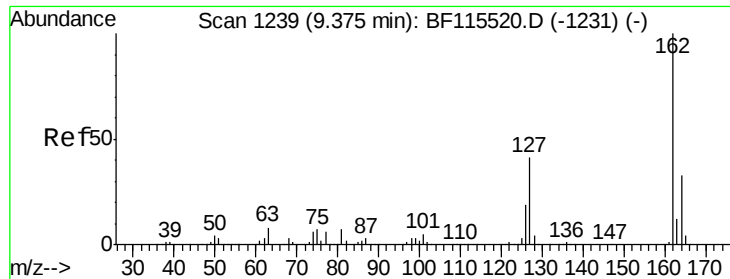
mohammad
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#46
1,1'-Biphenyl
Concen: 45.872 ng
RT: 9.35 min Scan# 1234
Delta R.T. -0.01 min
Lab File: BF115583.D
Acq: 16 Jul 2019 8:12

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.8	22.6	62.6
76	14.0	0.0	33.4





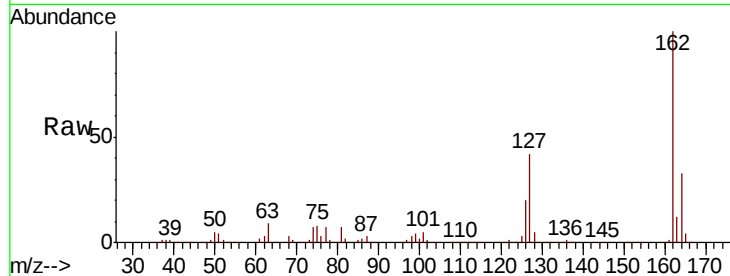
#47
 2-Chloronaphthalene
 Concen: 43.637 ng
 RT: 9.37 min Scan# 1238
 Delta R.T. -0.01 min
 Lab File: BF115583.D
 Acq: 16 Jul 2019 8:12

Instrument :
 BNA_F
 ClientSampleId :
 PB121214BS

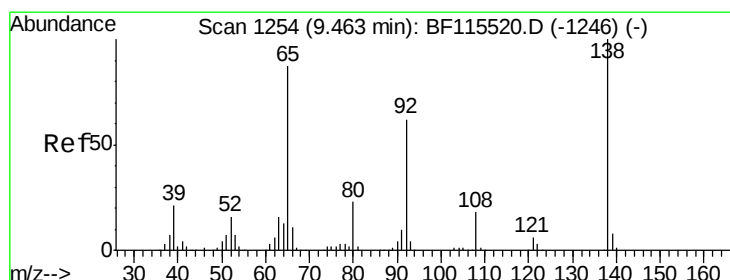
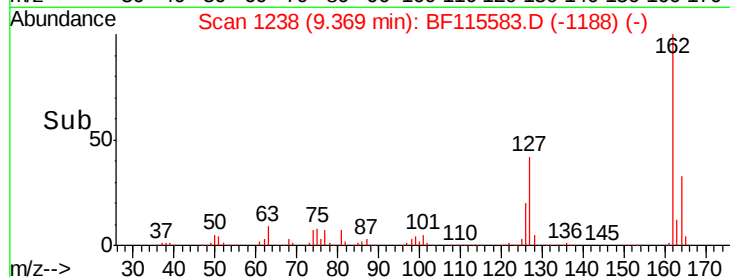
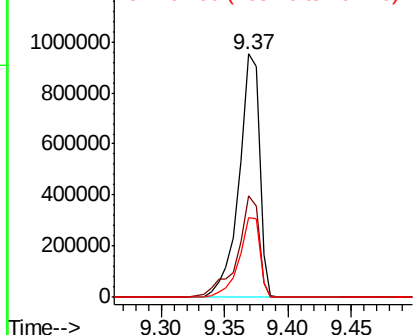
Tot Ion: 162 Resp: 1058348
 Ion Ratio Lower Upper
 162 100
 127 41.7 34.1 51.1
 164 33.0 27.4 41.2

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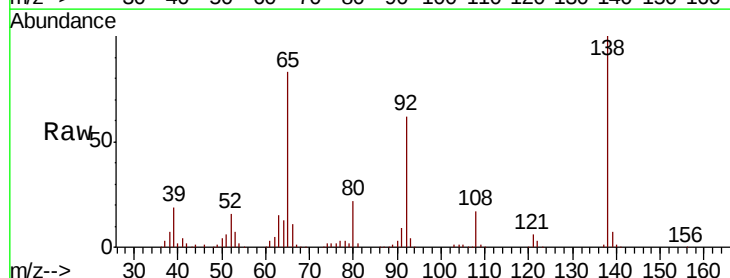


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

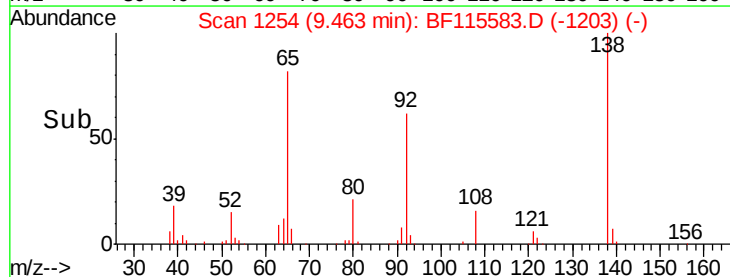
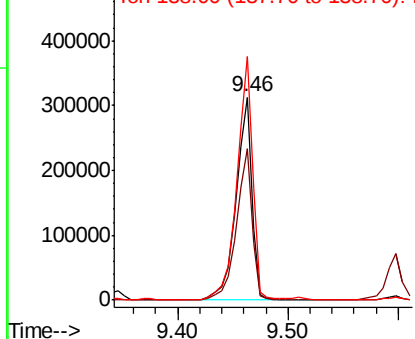


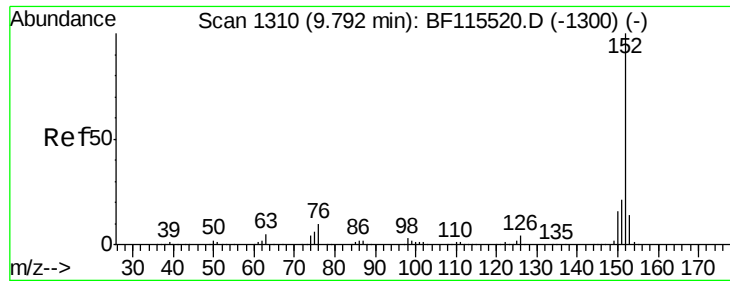
#48
 2-Nitroaniline
 Concen: 42.286 ng
 RT: 9.46 min Scan# 1254
 Delta R.T. 0.00 min
 Lab File: BF115583.D
 Acq: 16 Jul 2019 8:12

Tgt Ion: 65 Resp: 317437
 Ion Ratio Lower Upper
 65 100
 92 74.5 57.8 86.6
 138 119.8 91.2 136.8



Abundance Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 44.198 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF115583.D

Acq: 16 Jul 2019 8:12

Instrument :

BNA_F

ClientSampleId :

PB121214BS

Tot Ion:152 Resp: 1588377

Ion Ratio Lower Upper

152 100

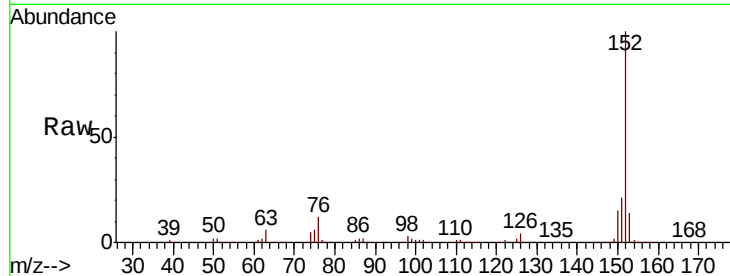
151 21.3 17.7 26.5

153 14.4 12.0 18.0

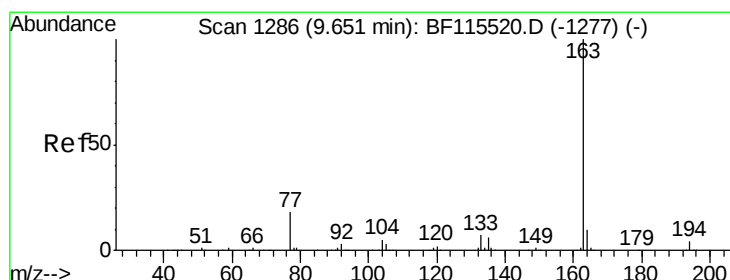
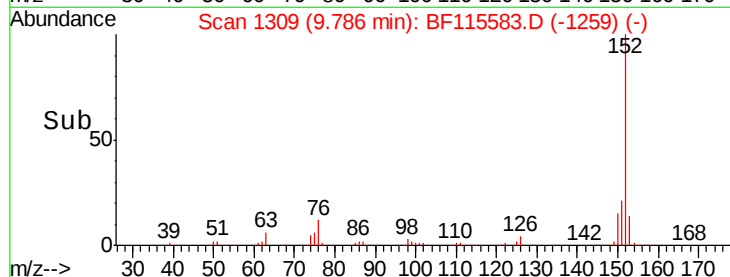
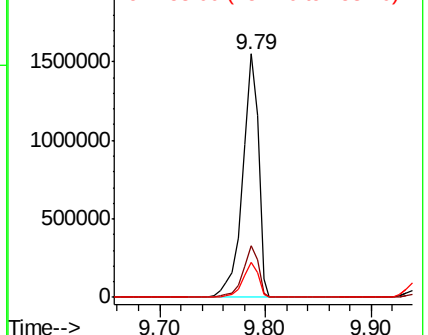
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 44.179 ng

RT: 9.65 min Scan# 1285

Delta R.T. -0.01 min

Lab File: BF115583.D

Acq: 16 Jul 2019 8:12

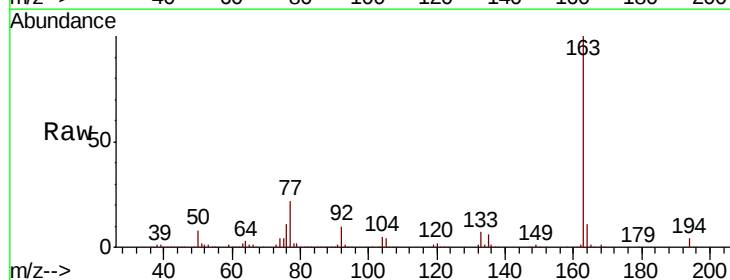
Tgt Ion:163 Resp: 1238428

Ion Ratio Lower Upper

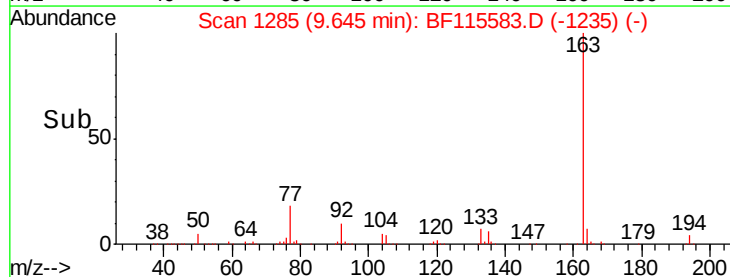
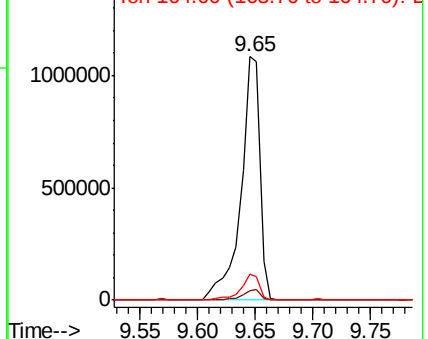
163 100

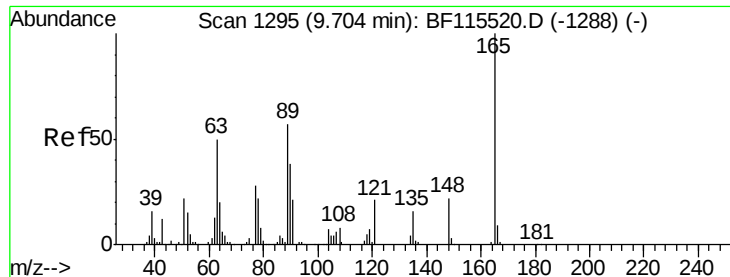
194 4.0 3.3 4.9

164 10.7 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





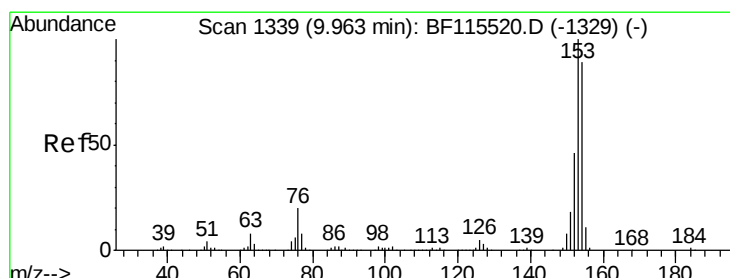
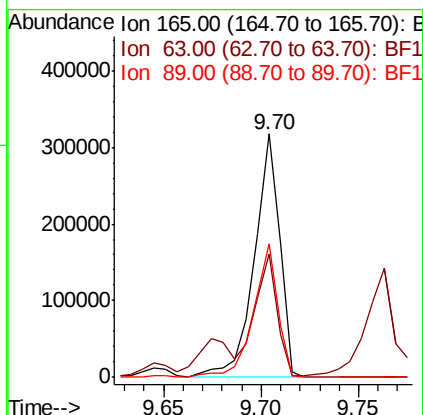
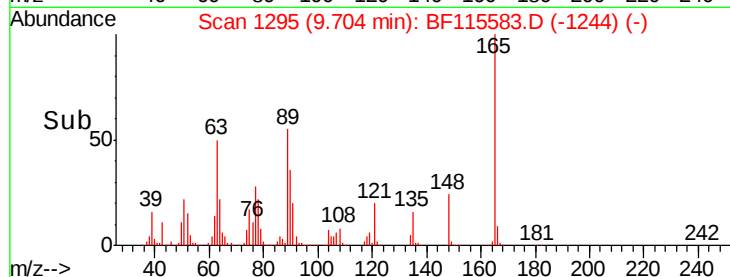
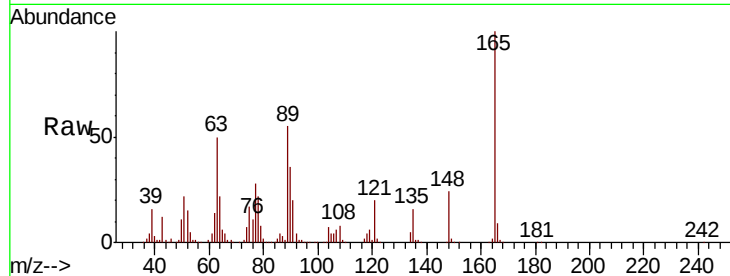
#51
2,6-Dinitrotoluene
Concen: 45.107 ng
RT: 9.70 min Scan# 1295
Delta R.T. 0.00 min
Lab File: BF115583.D
Acq: 16 Jul 2019 8:12

Instrument :
BNA_F
ClientSampleId :
PB121214BS

Tot Ion	Ratio	Resp Lower	Upper
165	100		
63	50.4	40.6	61.0
89	55.1	43.9	65.9

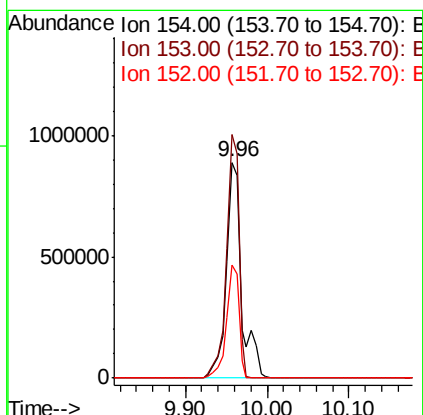
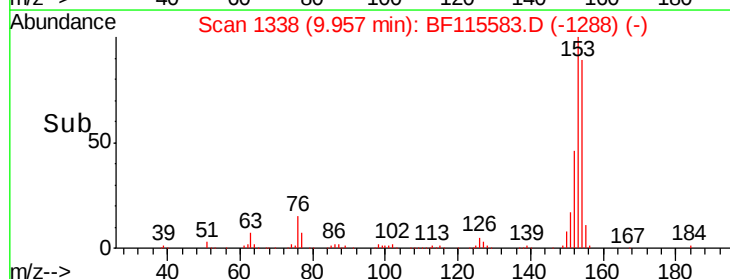
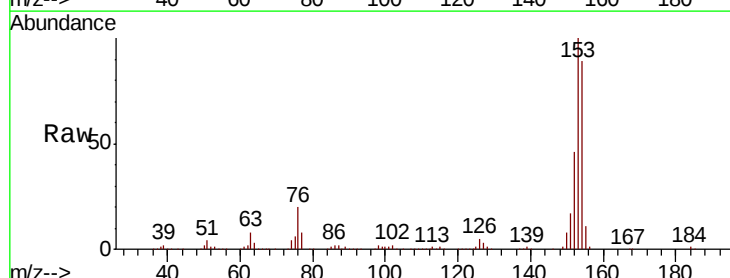
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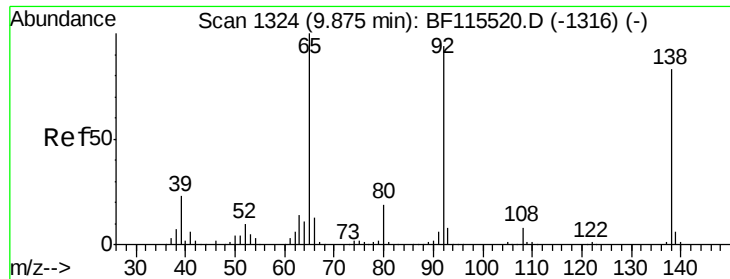
mohammad
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#52
Acenaphthene
Concen: 49.235 ng
RT: 9.96 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BF115583.D
Acq: 16 Jul 2019 8:12

Tgt Ion	Ratio	Resp Lower	Upper
154	100		
153	112.9	88.6	133.0
152	52.4	42.3	63.5





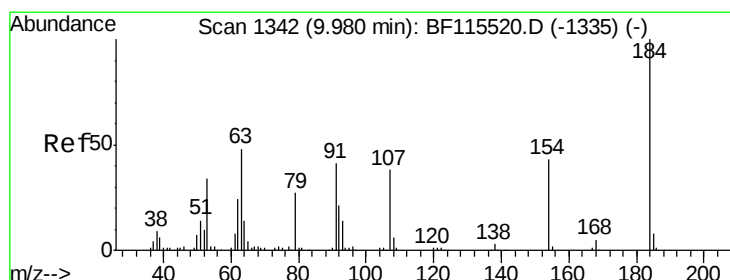
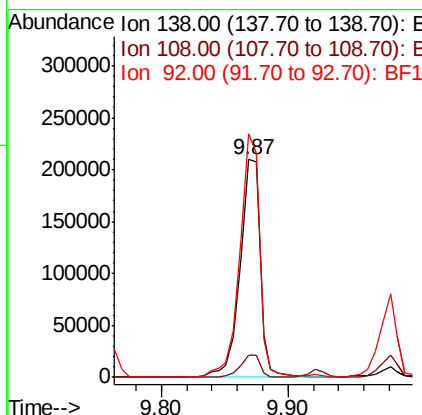
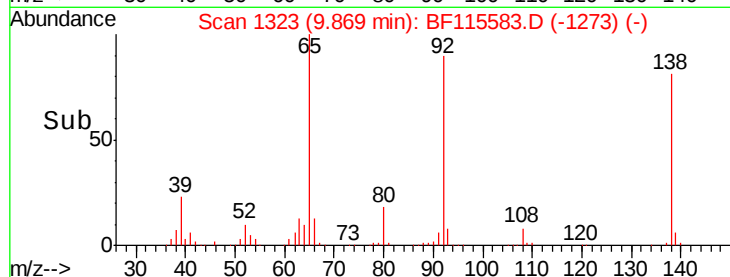
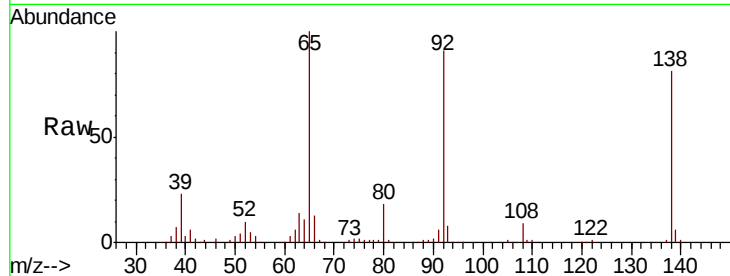
#53
3-Nitroaniline
Concen: 31.775 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BF115583.D
Acq: 16 Jul 2019 8:12

Instrument :
BNA_F
ClientSampleId :
PB121214BS

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.5	8.4	12.6
92	111.9	88.0	132.0

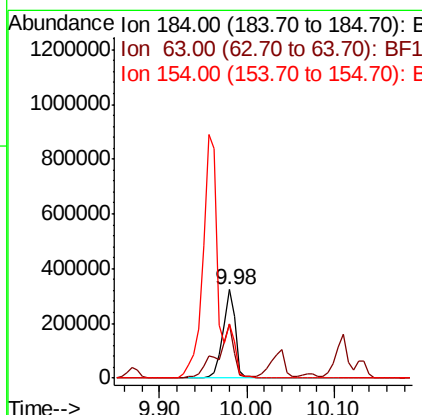
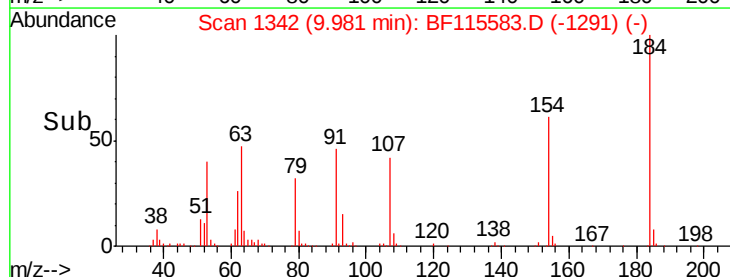
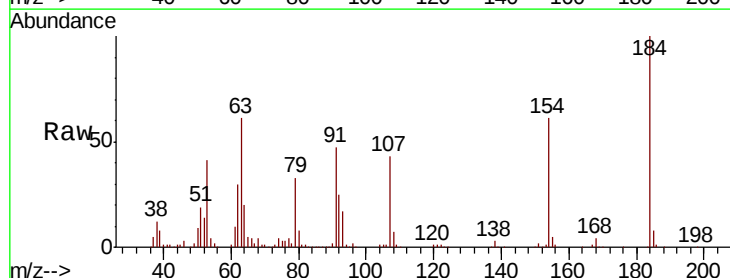
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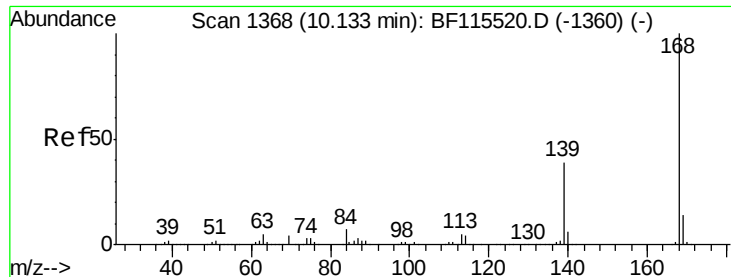
mohammad
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#54
2,4-Dinitrophenol
Concen: 99.583 ng
RT: 9.98 min Scan# 1342
Delta R.T. 0.00 min
Lab File: BF115583.D
Acq: 16 Jul 2019 8:12

Tgt Ion	Ratio	Lower	Upper
184	100		
63	60.7	48.7	73.1
154	61.4	48.6	73.0





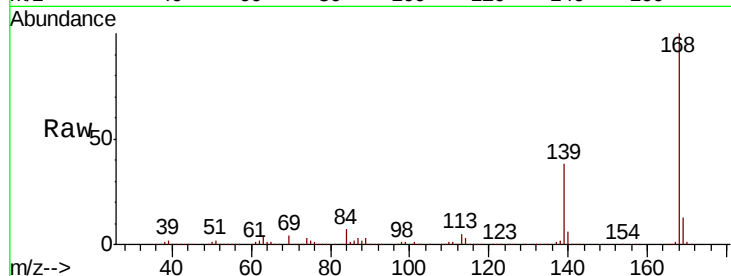
#55
Dibenzofuran
Concen: 43.160 ng
RT: 10.13 min Scan# 1368
Delta R.T. 0.00 min
Lab File: BF115583.D
Acq: 16 Jul 2019 8:12

Instrument :
BNA_F
ClientSampleId :
PB121214BS

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.1	31.1	46.7
169	13.5	11.1	16.7

Manual Integrations
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7/17/2019 12:05:22 PM

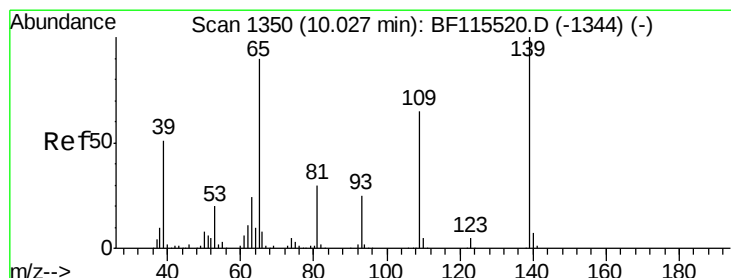
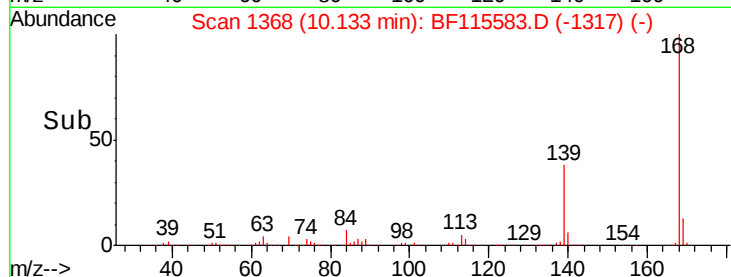
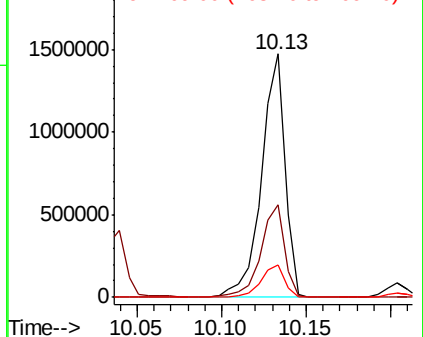


Abundance

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: 83.105 ng
RT: 10.04 min Scan# 1352
Delta R.T. 0.01 min
Lab File: BF115583.D
Acq: 16 Jul 2019 8:12

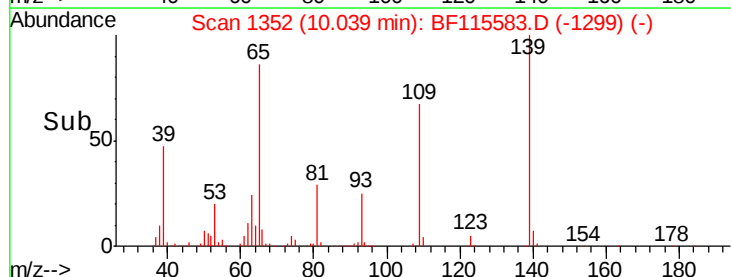
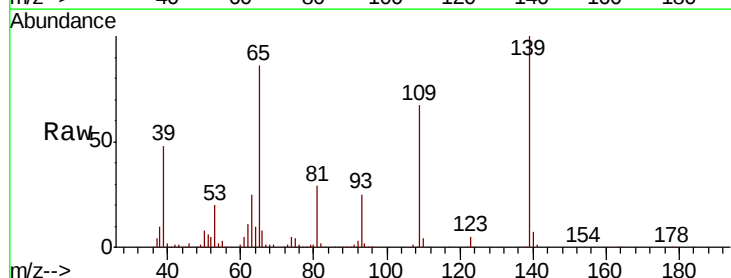
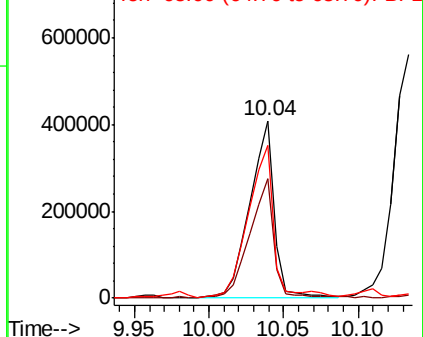
Tgt Ion	Ratio	Lower	Upper
139	100		
109	67.0	46.4	86.4
65	86.1	68.9	108.9

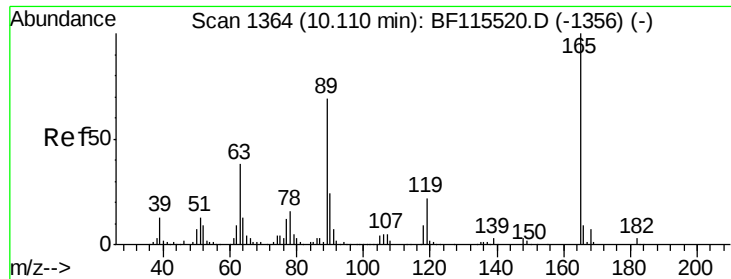
Abundance

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





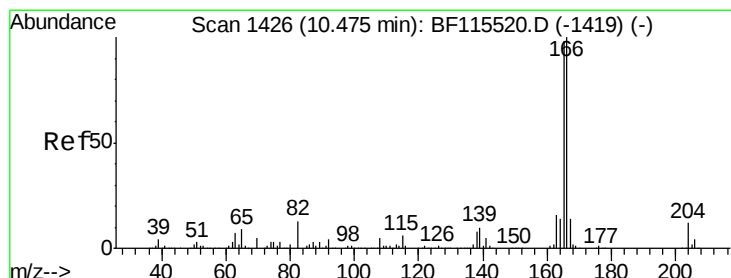
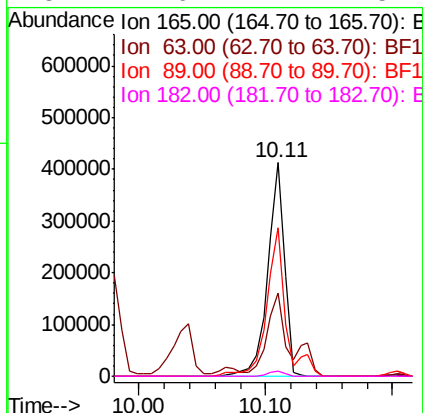
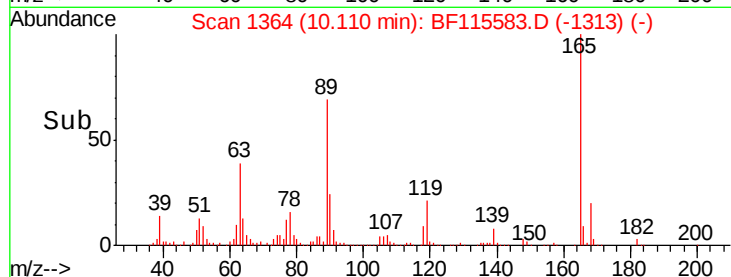
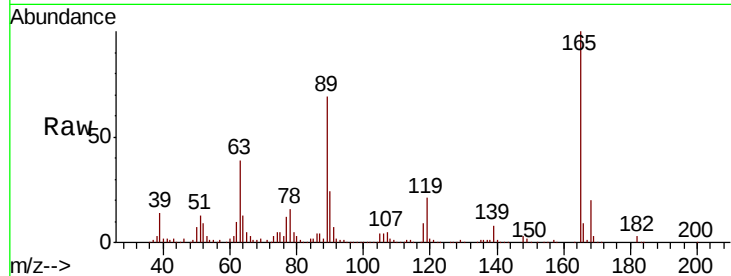
#57
2,4-Dinitrotoluene
Concen: 45.957 ng
RT: 10.11 min Scan# 1364
Delta R.T. 0.00 min
Lab File: BF115583.D
Acq: 16 Jul 2019 8:12

Instrument :
BNA_F
ClientSampleId :
PB121214BS

Tot Ion	Ratio	Resp Lower	Upper
165	100		
63	39.0	34.9	52.3
89	69.4	57.5	86.3
182	2.6	2.2	3.4

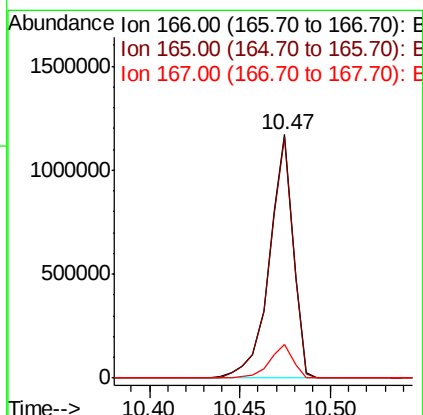
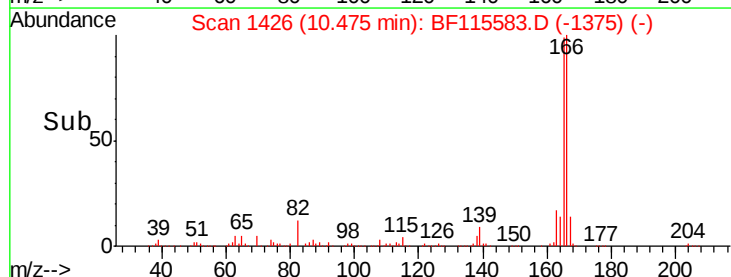
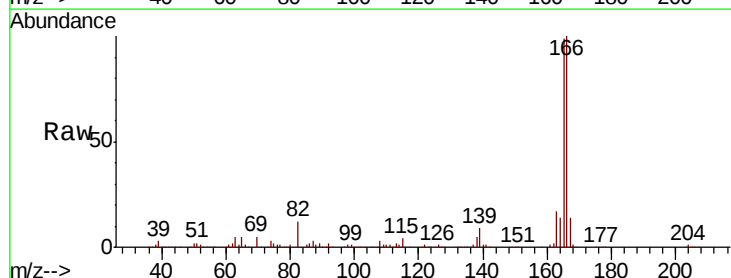
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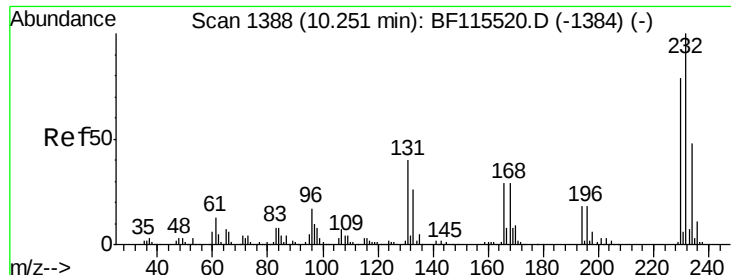
mohammad
7/17/2019 12:05:22 PM



#58
Fluorene
Concen: 44.969 ng
RT: 10.47 min Scan# 1426
Delta R.T. 0.00 min
Lab File: BF115583.D
Acq: 16 Jul 2019 8:12

Tgt Ion	Ratio	Resp Lower	Upper
166	100		
165	99.3	79.8	119.6
167	13.6	11.2	16.8





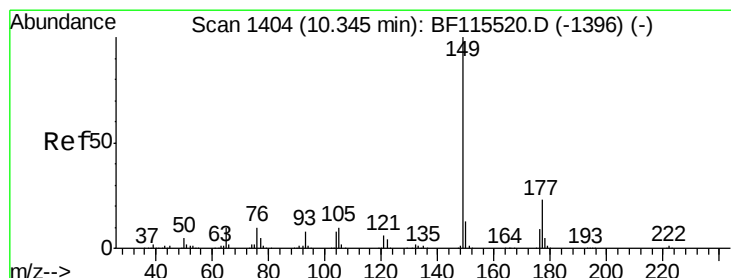
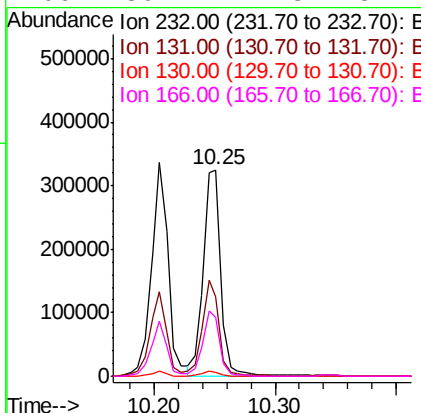
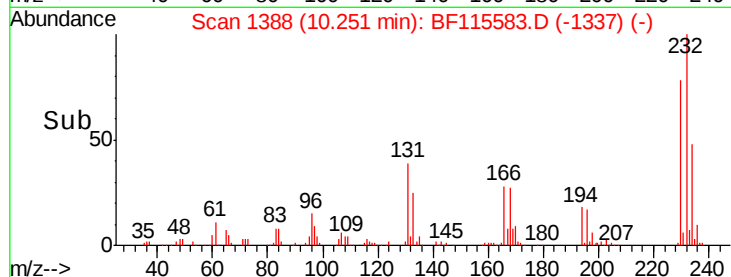
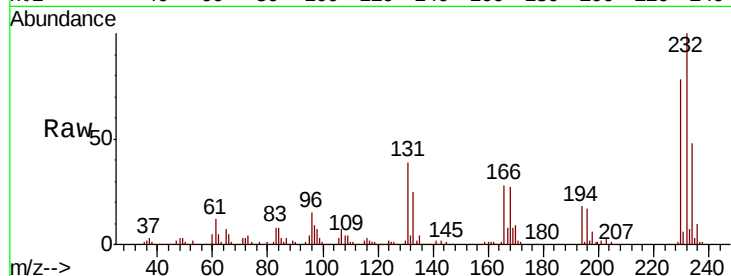
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 46.475 ng
 RT: 10.25 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: BF115583.D
 Acq: 16 Jul 2019 8:12

Instrument :
 BNA_F
 ClientSampled :
 PB121214BS

Tot Ion:	232	Resp:	326452
Ion Ratio	Lower	Upper	
232	100		
131	45.1	35.9	53.9
130	2.2	1.8	2.6
166	30.4	24.8	37.2

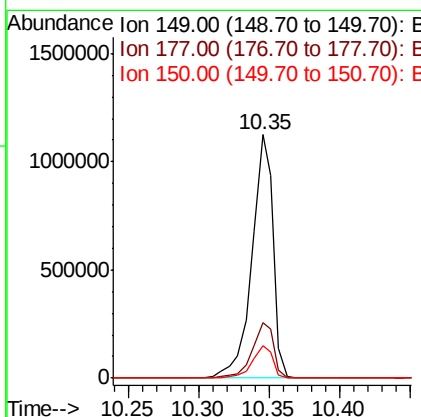
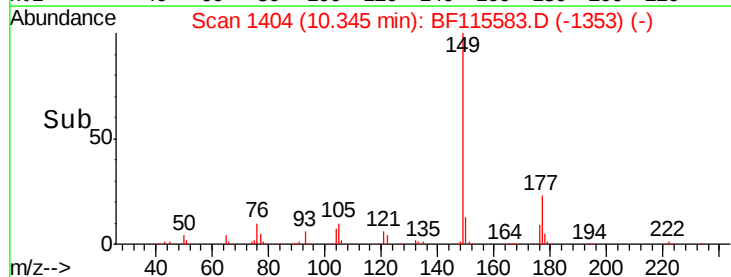
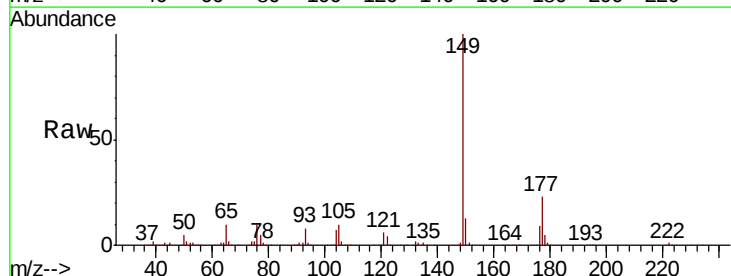
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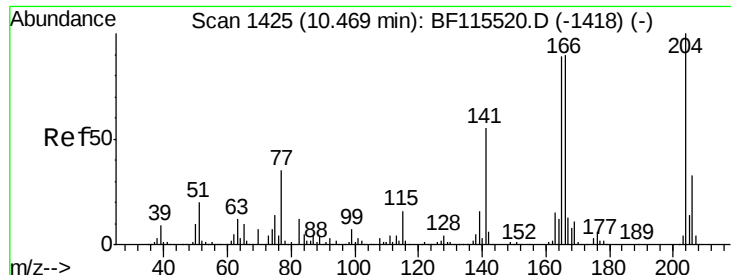
mohammad
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#60
 Diethylphthalate
 Concen: 45.170 ng
 RT: 10.35 min Scan# 1404
 Delta R.T. 0.00 min
 Lab File: BF115583.D
 Acq: 16 Jul 2019 8:12

Tgt Ion:	149	Resp:	1186393
Ion Ratio	Lower	Upper	
149	100		
177	23.0	19.5	29.3
150	13.4	10.4	15.6





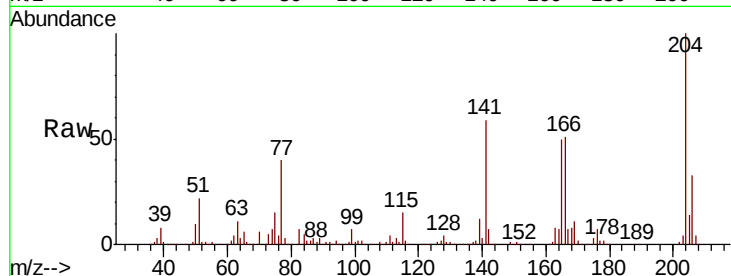
#61
 4-Chlorophenyl-phenylether
 Concen: 41.878 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. -0.01 min
 Lab File: BF115583.D
 Acq: 16 Jul 2019 8:12

Instrument :
 BNA_F
 ClientSampleId :
 PB121214BS

Tot Ion	Ratio	Lower	Upper
204	100		
206	33.4	26.7	40.1
141	59.1	44.2	66.2

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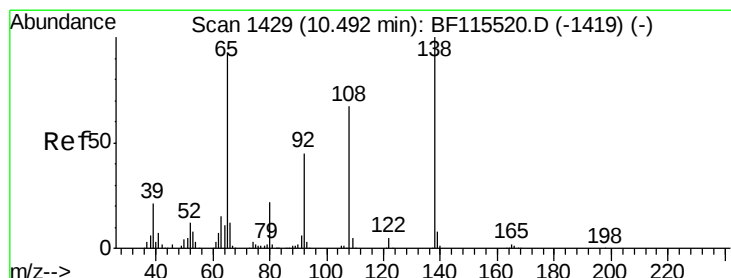
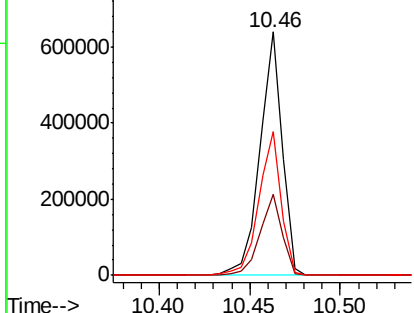
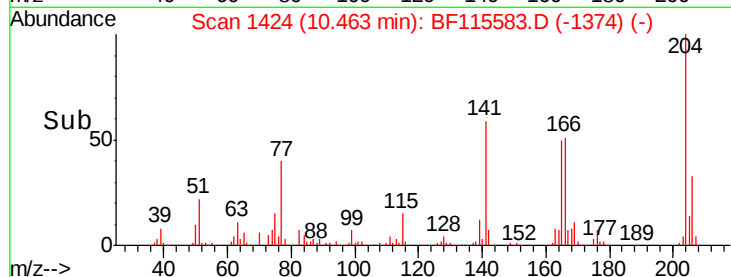


Abundance

Ion 204.00 (203.70 to 204.70): E

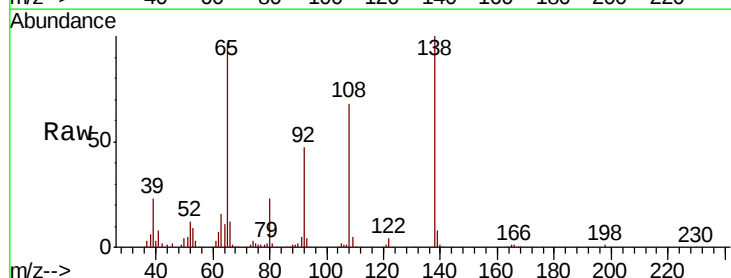
Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62
 4-Nitroaniline
 Concen: 39.735 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. 0.00 min
 Lab File: BF115583.D
 Acq: 16 Jul 2019 8:12

Tgt Ion	Ratio	Lower	Upper
138	100		
92	47.2	27.1	67.1
108	68.1	48.0	88.0

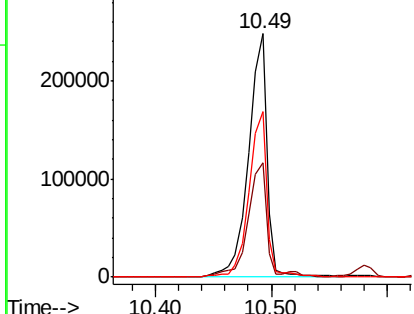
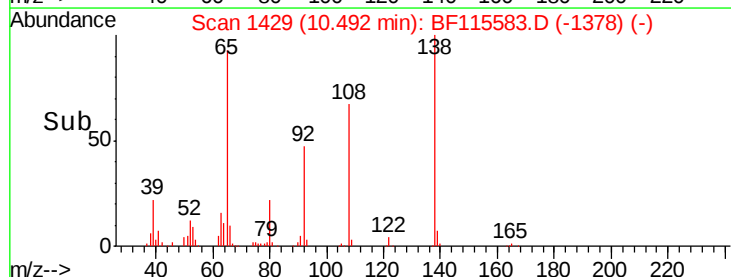


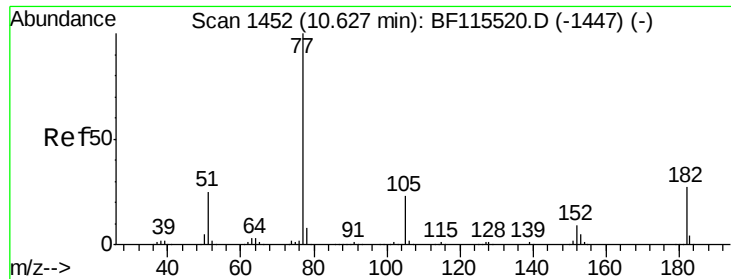
Abundance

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





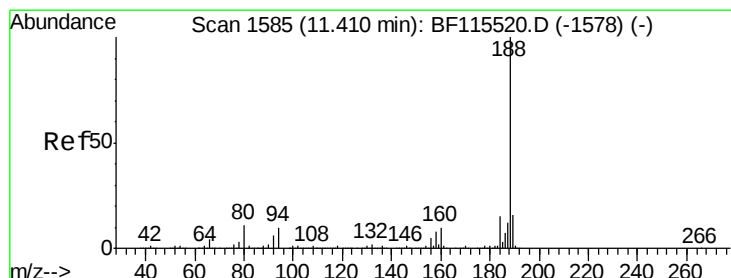
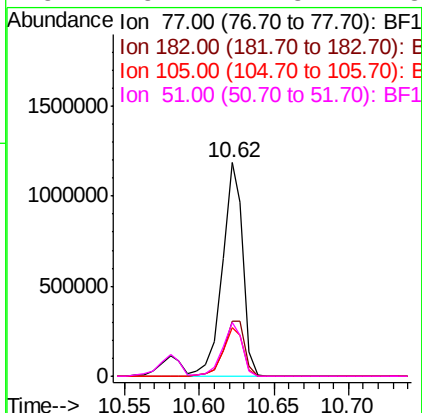
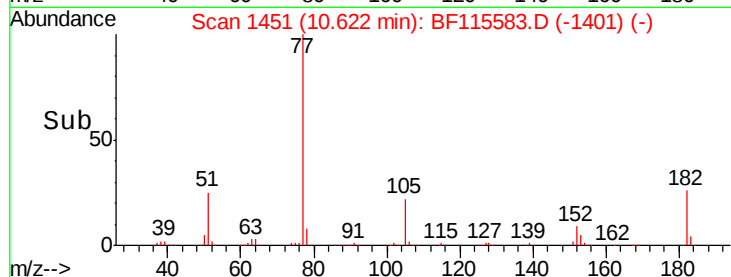
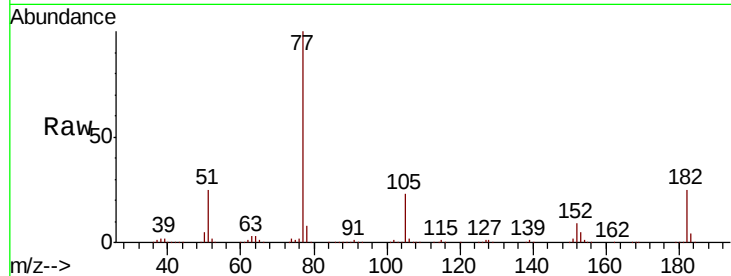
#63
Azobenzene
Concen: 44.649 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BF115583.D
Acq: 16 Jul 2019 8:12

Instrument :
BNA_F
ClientSampleId :
PB121214BS

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	25.5	6.9	46.9	
105	22.7	3.9	43.9	
51	25.4	7.3	47.3	

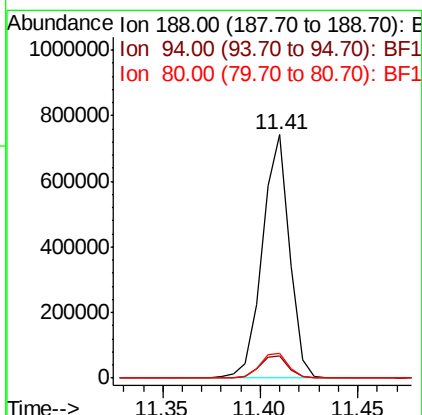
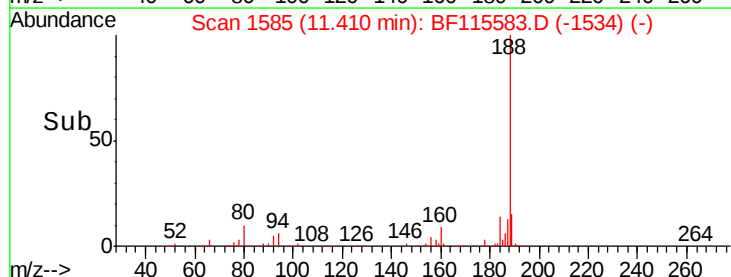
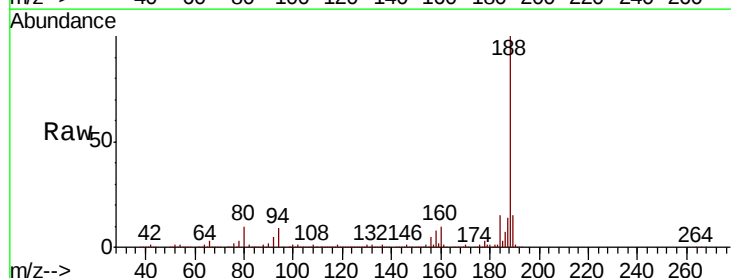
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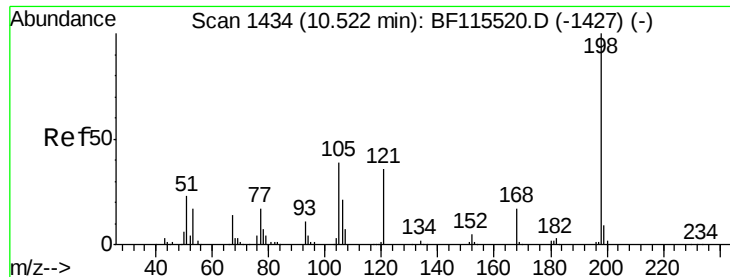
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. 0.00 min
Lab File: BF115583.D
Acq: 16 Jul 2019 8:12

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	9.2	7.8	11.6	
80	10.0	8.6	13.0	





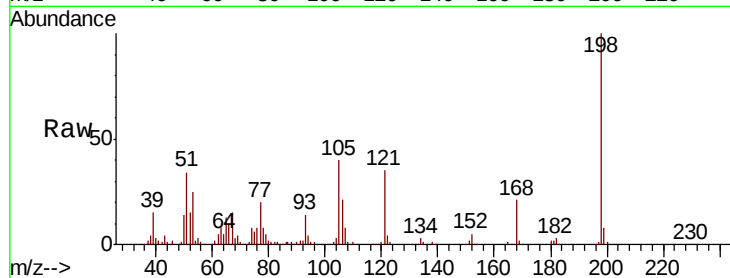
#65
4,6-Dinitro-2-methylphenol
Concen: 46.537 ng
RT: 10.52 min Scan# 1434
Delta R.T. 0.00 min
Lab File: BF115583.D
Acq: 16 Jul 2019 8:12

Instrument :
BNA_F
ClientSampleId :
PB121214BS

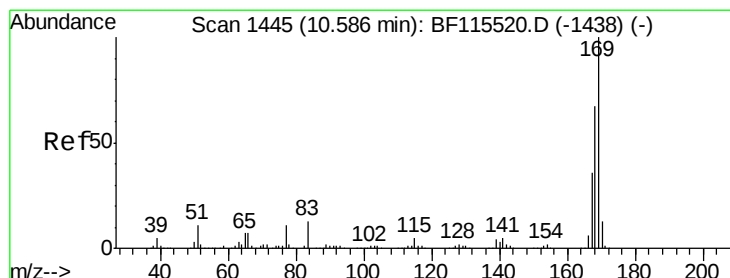
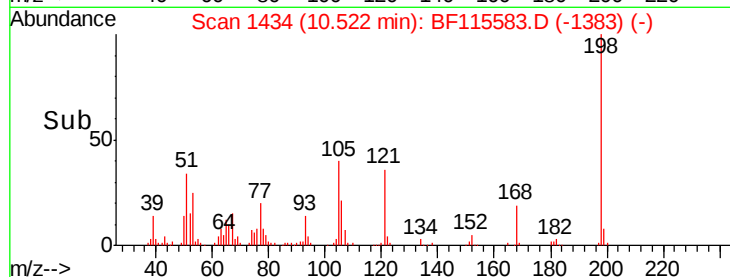
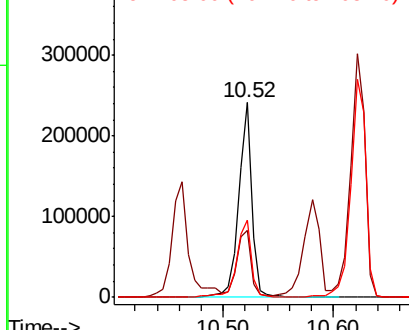
Tot Ion	Ratio	Resp	Lower	Upper
198	100	203486		
51	34.5	19.1	59.1	
105	39.8	23.6	63.6	

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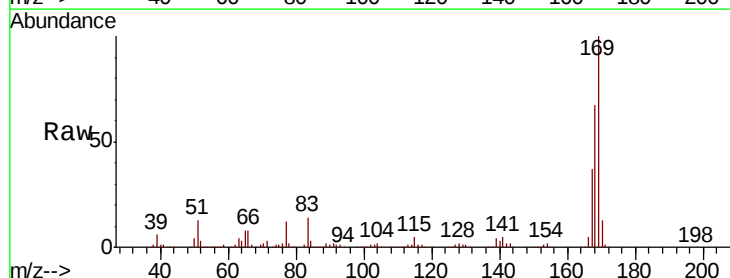


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

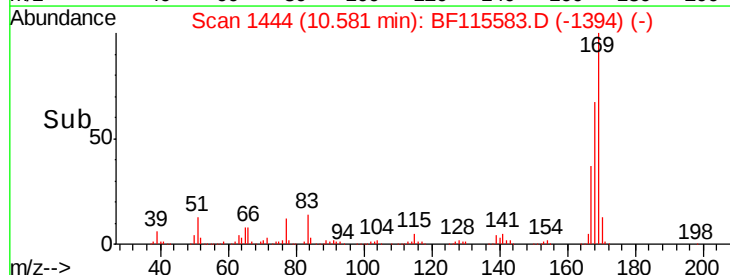
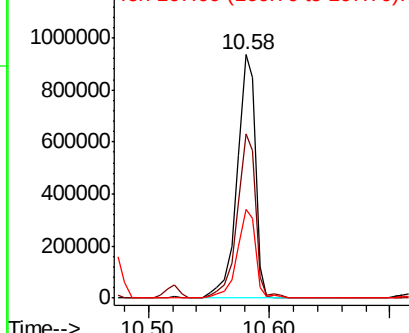


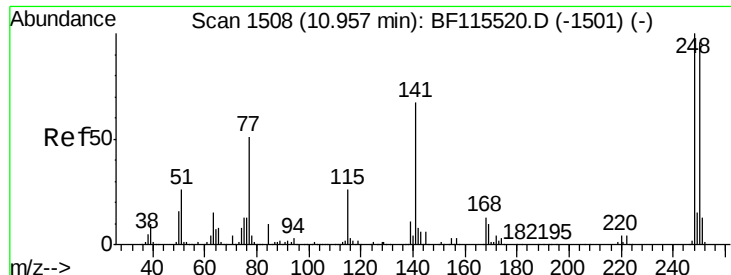
#66
n-Nitrosodiphenylamine
Concen: 44.323 ng
RT: 10.58 min Scan# 1444
Delta R.T. -0.01 min
Lab File: BF115583.D
Acq: 16 Jul 2019 8:12

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	986735		
168	67.3	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





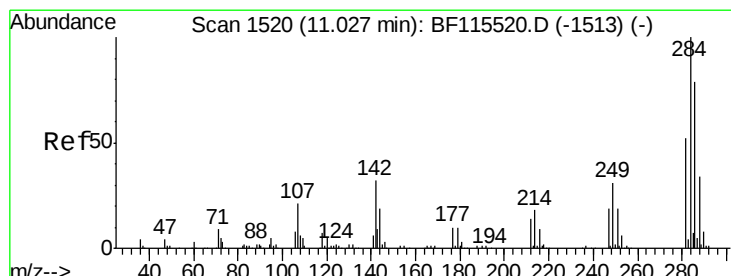
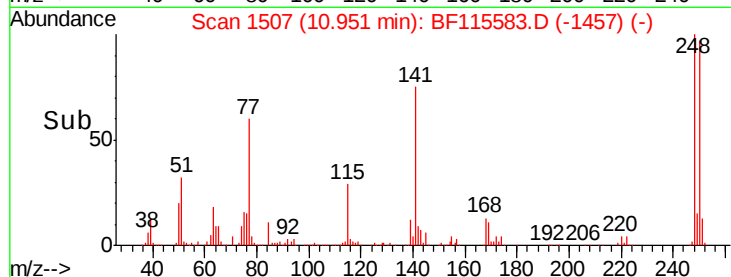
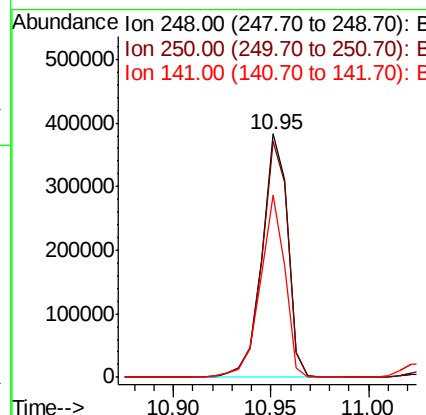
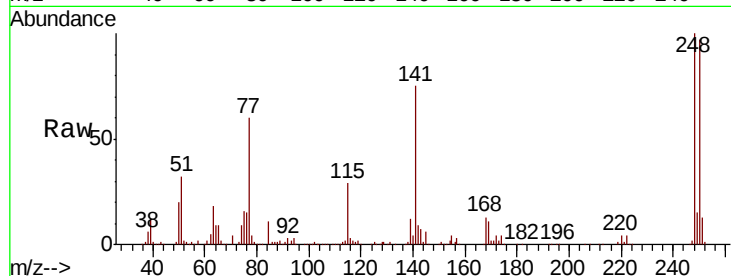
#67
4-Bromophenyl-phenylether
Concen: 42.667 ng
RT: 10.95 min Scan# 1507
Delta R.T. -0.01 min
Lab File: BF115583.D
Acq: 16 Jul 2019 8:12

Instrument :
BNA_F
ClientSampleID :
PB121214BS

Tot Ion	Ratio	Lower	Upper
248	100		
250	96.7	78.0	117.0
141	74.9	57.7	86.5

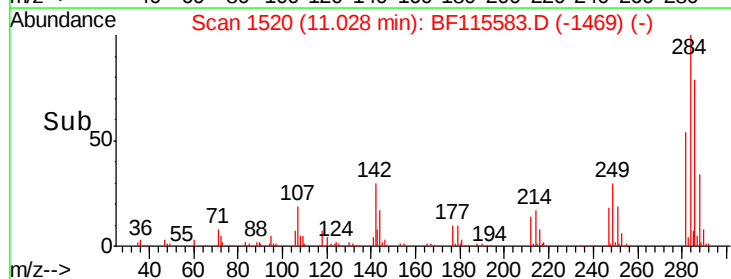
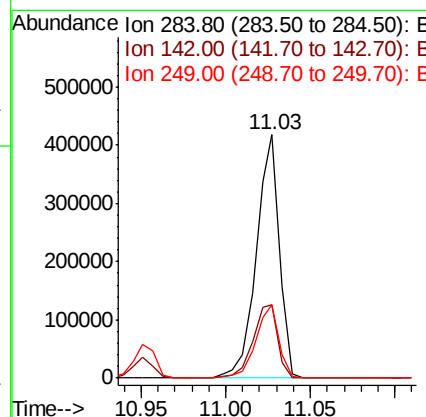
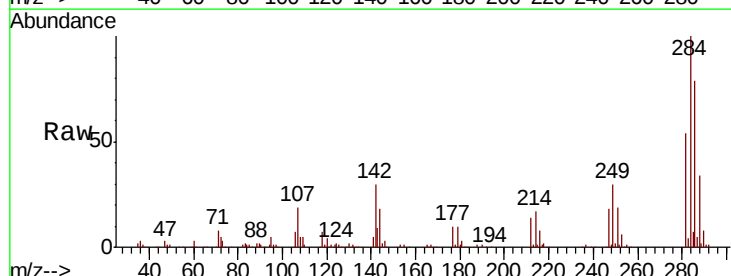
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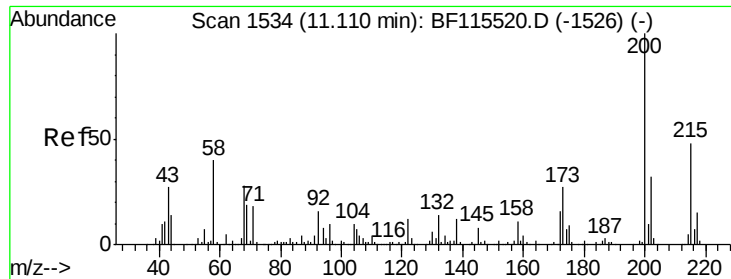
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#68
Hexachlorobenzene
Concen: 42.730 ng
RT: 11.03 min Scan# 1520
Delta R.T. 0.00 min
Lab File: BF115583.D
Acq: 16 Jul 2019 8:12

Tgt Ion	Ratio	Lower	Upper
284	100		
142	30.0	22.2	33.2
249	30.1	23.4	35.2





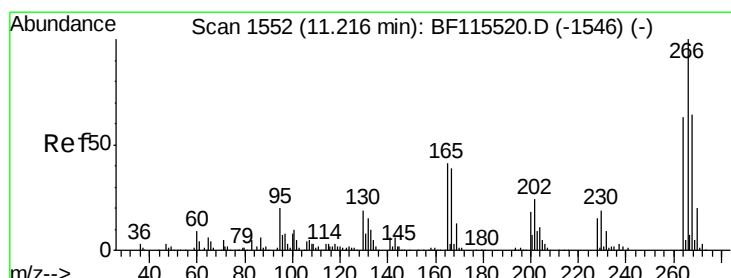
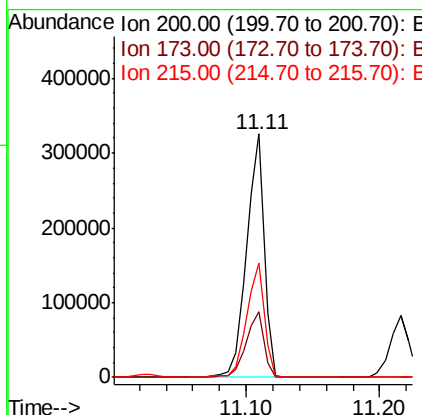
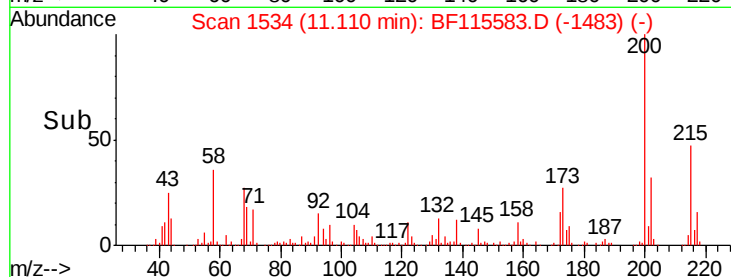
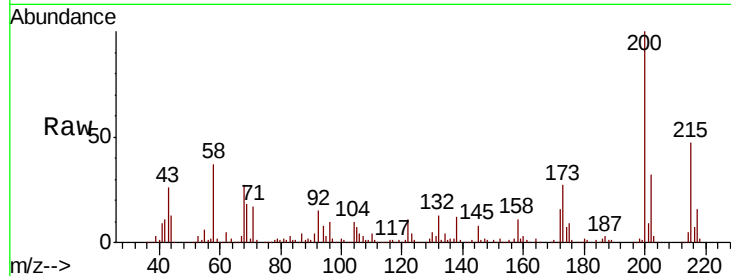
#69
Atrazine
Concen: 40.435 ng
RT: 11.11 min Scan# 1534
Delta R.T. 0.00 min
Lab File: BF115583.D
Acq: 16 Jul 2019 8:12

Instrument :
BNA_F
ClientSampleId :
PB121214BS

Tot Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	26.9	6.9	46.9
215	46.8	27.9	67.9

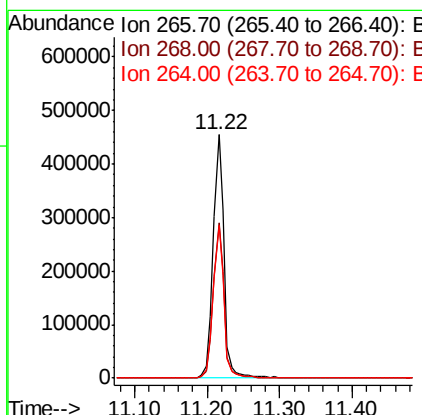
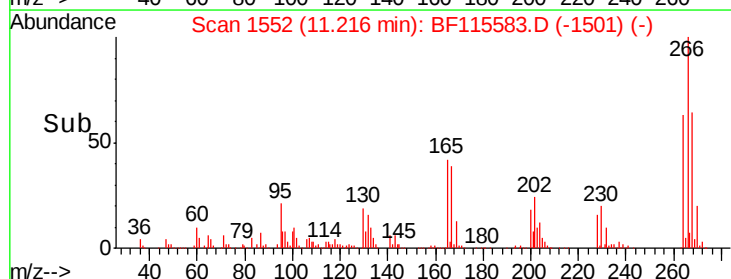
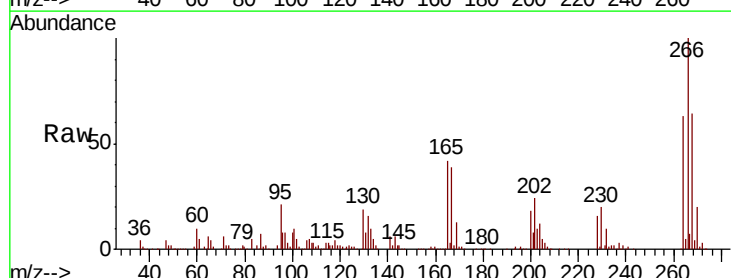
Manual Integrations
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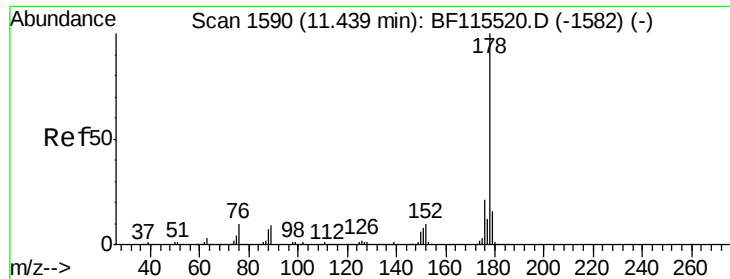
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#70
Pentachlorophenol
Concen: 83.811 ng
RT: 11.22 min Scan# 1552
Delta R.T. 0.00 min
Lab File: BF115583.D
Acq: 16 Jul 2019 8:12

Tgt Ion	Ratio	Resp Lower	Resp Upper
266	100		
268	63.6	51.6	77.4
264	62.5	50.6	76.0





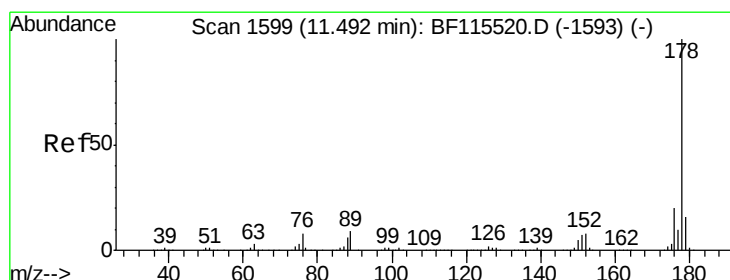
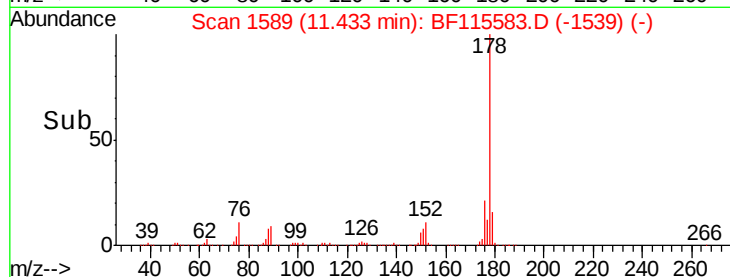
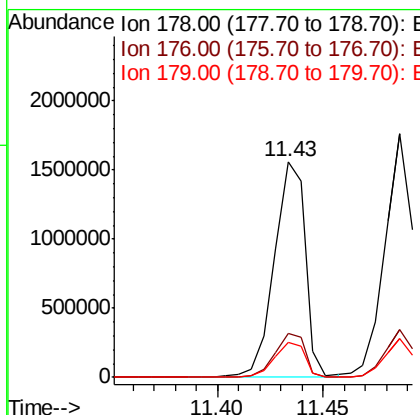
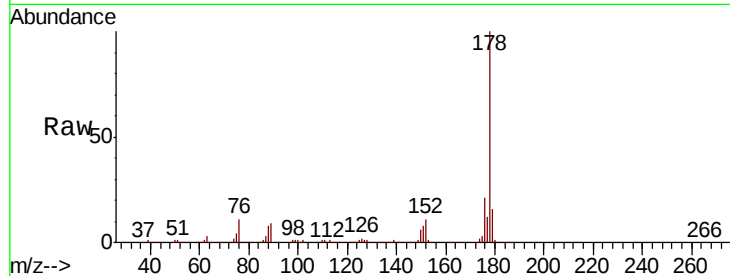
#71
Phenanthrene
Concen: 43.596 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF115583.D
Acq: 16 Jul 2019 8:12

Instrument :
BNA_F
ClientSampleId :
PB121214BS

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.6	17.2	25.8
179	16.5	13.5	20.3

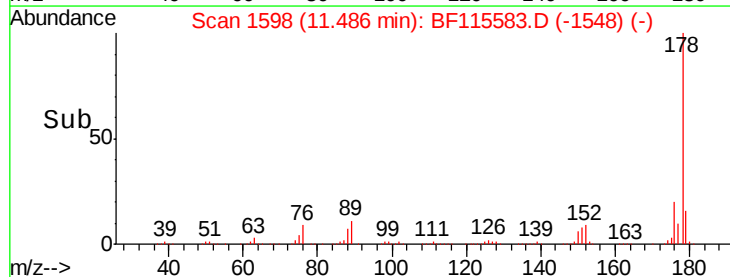
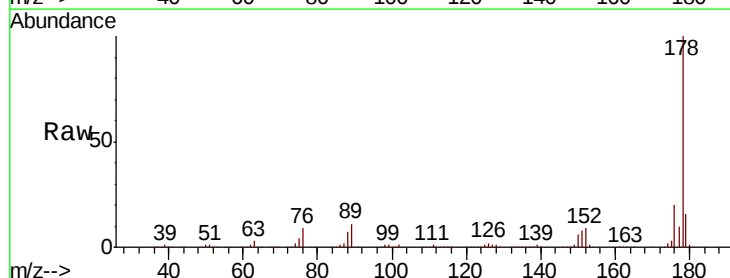
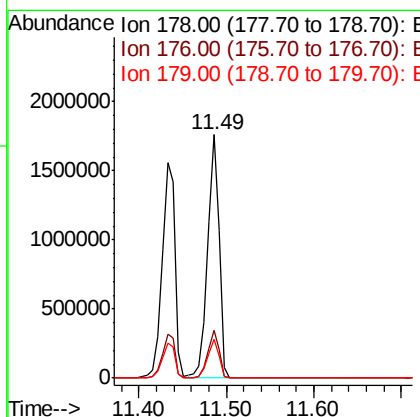
Manual Integrations
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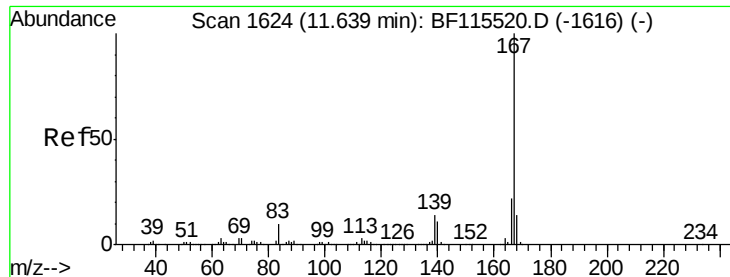
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#72
Anthracene
Concen: 42.686 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.01 min
Lab File: BF115583.D
Acq: 16 Jul 2019 8:12

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.9	23.9
179	16.0	12.7	19.1





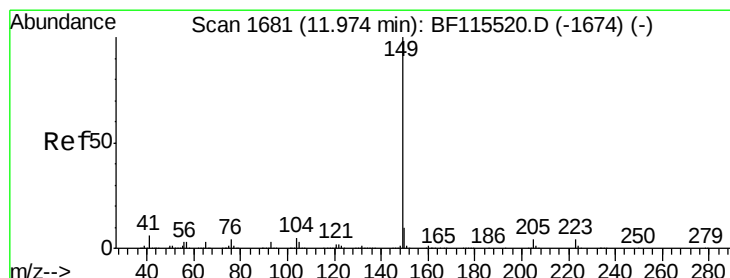
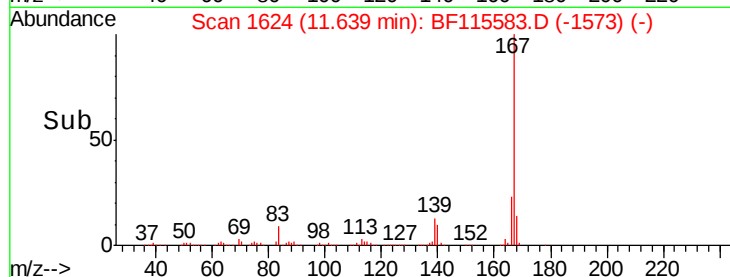
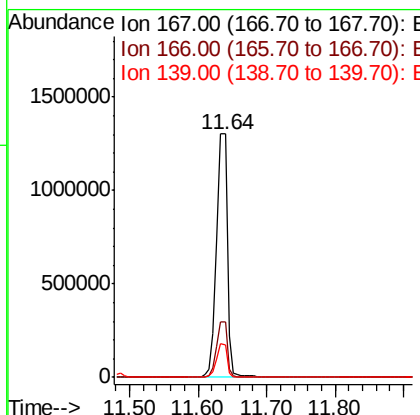
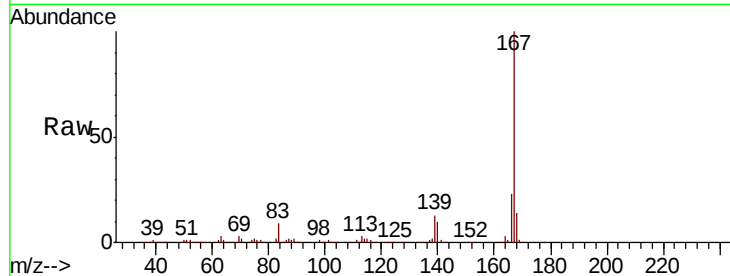
#73
 Carbazole
 Concen: 42.476 ng
 RT: 11.64 min Scan# 1624
 Delta R.T. 0.00 min
 Lab File: BF115583.D
 Acq: 16 Jul 2019 8:12

Instrument :
 BNA_F
 ClientSampleId :
 PB121214BS

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.6	18.1	27.1
139	13.3	11.3	16.9

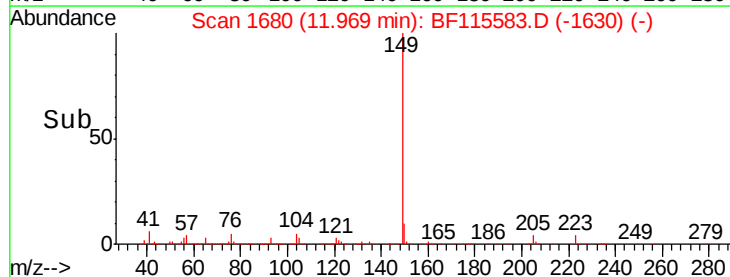
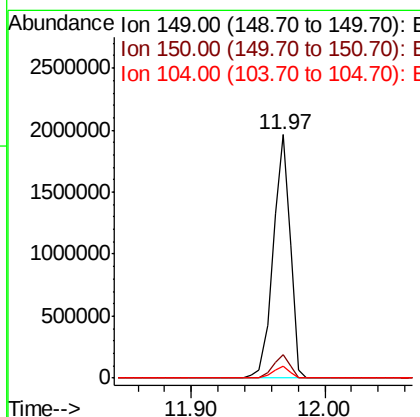
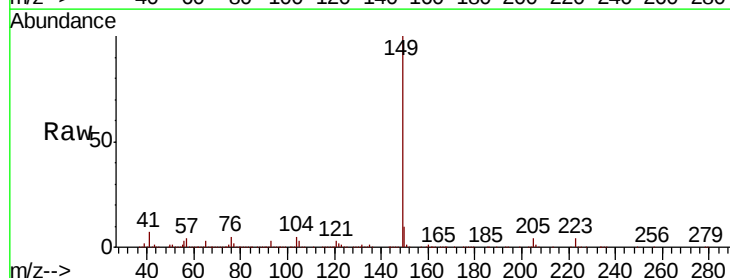
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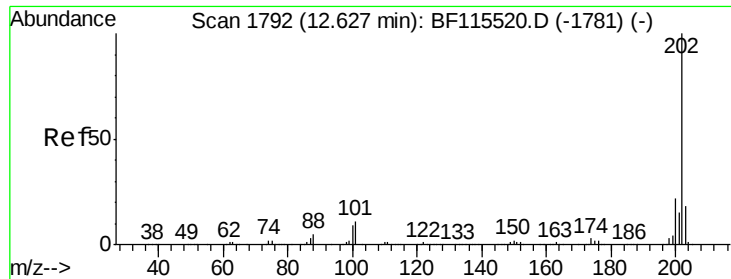
mohammad
 7/17/2019 12:05:22 PM



#74
 Di-n-butylphthalate
 Concen: 42.736 ng
 RT: 11.97 min Scan# 1680
 Delta R.T. -0.01 min
 Lab File: BF115583.D
 Acq: 16 Jul 2019 8:12

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.7	7.7	11.5
104	5.1	3.8	5.8





#75

Fluoranthene

Concen: 42.119 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.01 min

Lab File: BF115583.D

Acq: 16 Jul 2019 8:12

Instrument :

BNA_F

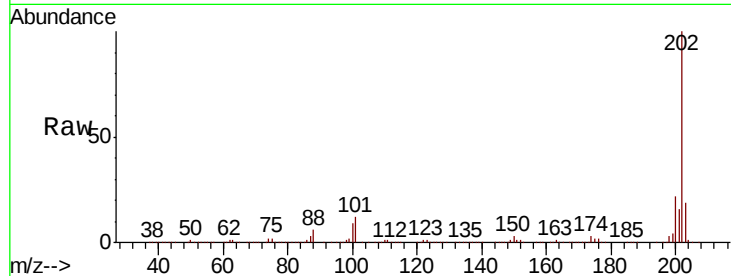
ClientSampleId :

PB121214BS

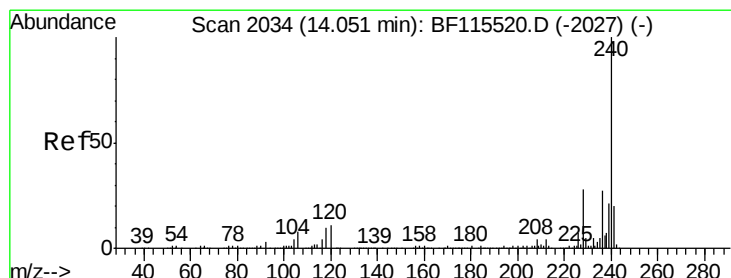
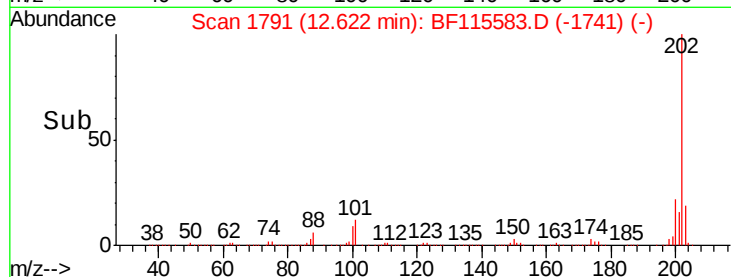
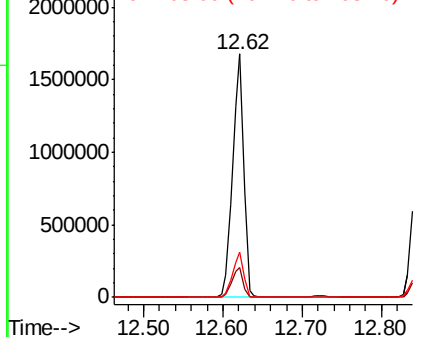
Tot Ion	Ratio	Resp	Lower	Upper
202	100	1632817		
101	12.2	0.0	31.4	
203	18.5	0.0	38.1	

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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

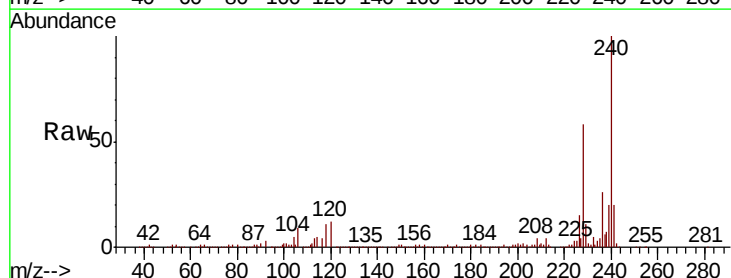
RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

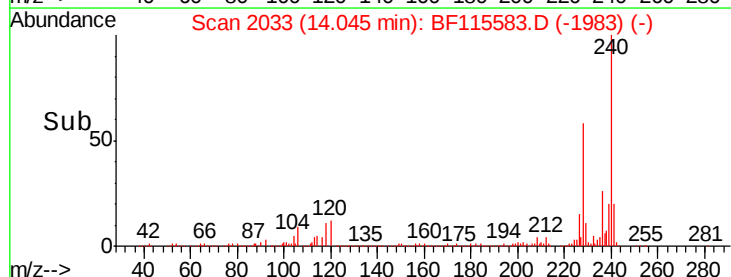
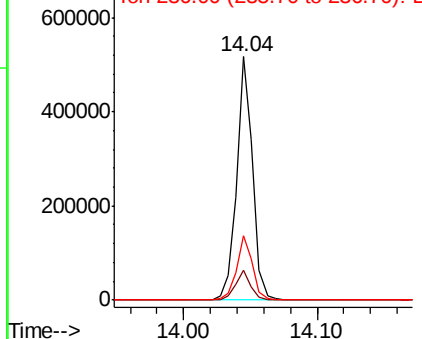
Lab File: BF115583.D

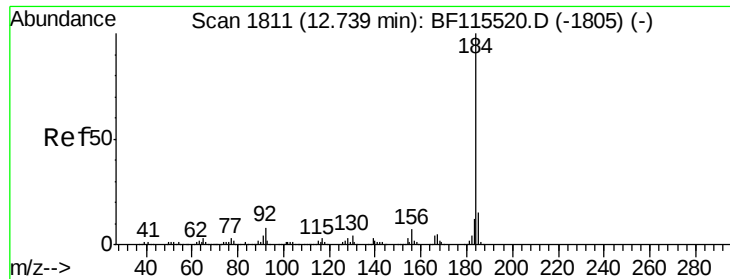
Acq: 16 Jul 2019 8:12

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	430556		
120	12.1	8.6	13.0	
236	26.2	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: 15.722 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.01 min

Lab File: BF115583.D

Acq: 16 Jul 2019 8:12

Instrument :

BNA_F

ClientSampleId :

PB121214BS

Tot Ion:184 Resp: 239794

Ion Ratio Lower Upper

184 100

185 19.9 12.0 18.0#

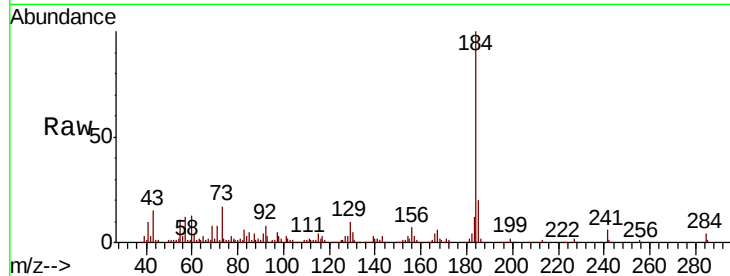
183 11.6 9.3 13.9

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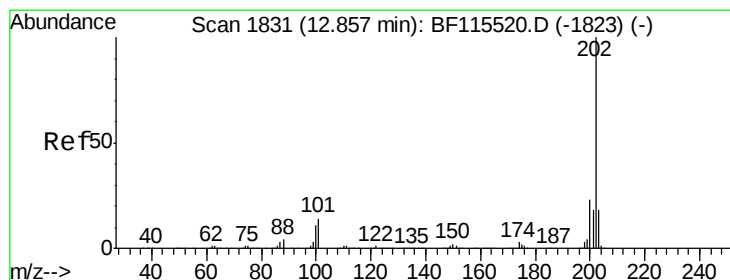
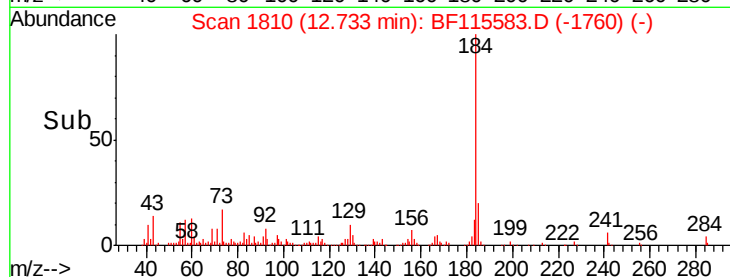
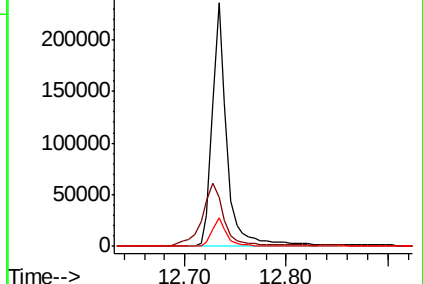
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Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 44.730 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF115583.D

Acq: 16 Jul 2019 8:12

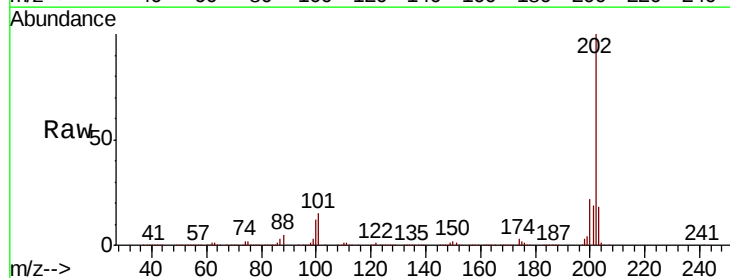
Tgt Ion:202 Resp: 1631663

Ion Ratio Lower Upper

202 100

200 22.5 18.7 28.1

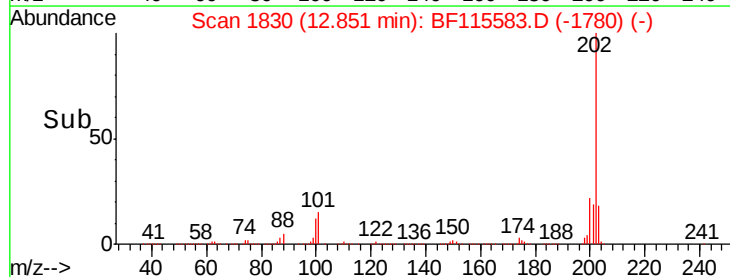
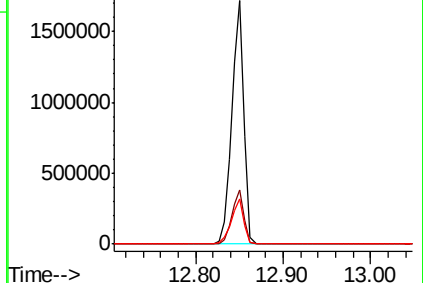
203 18.5 15.2 22.8

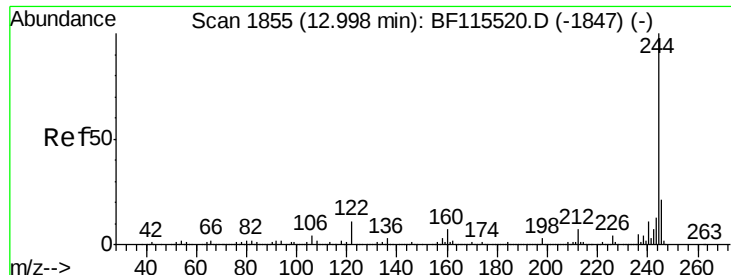


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





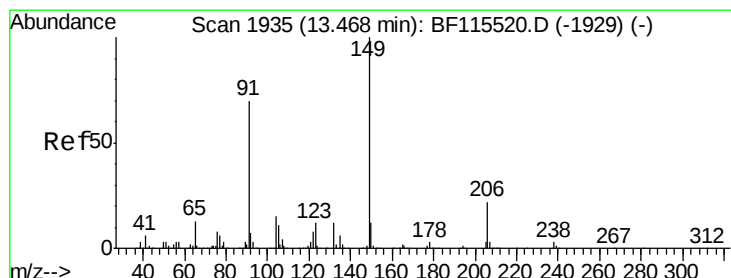
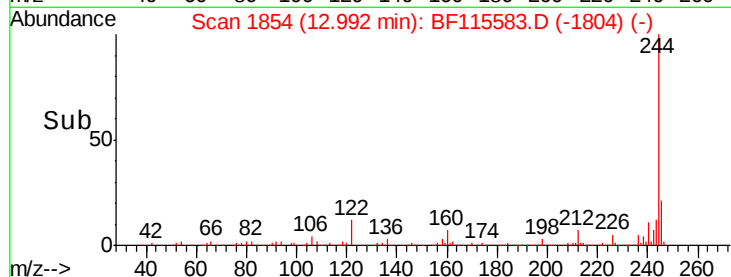
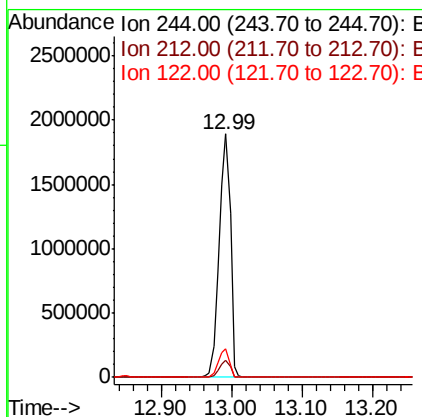
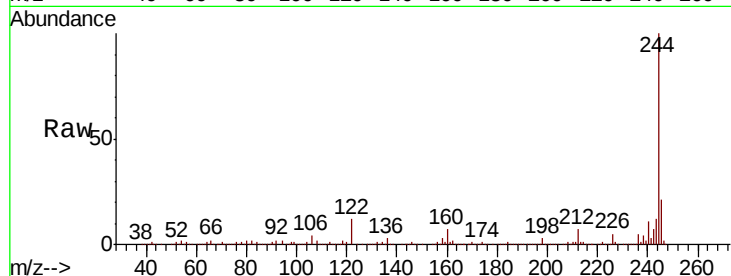
#79
 Terphenyl-d14
 Concen: 89.439 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: BF115583.D
 Acq: 16 Jul 2019 8:12

Instrument :
 BNA_F
 ClientSampleId :
 PB121214BS

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	11.6	8.6	12.8

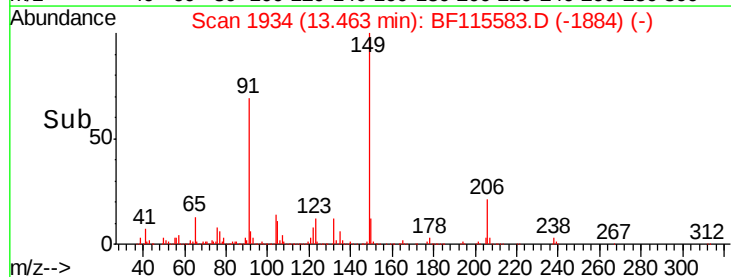
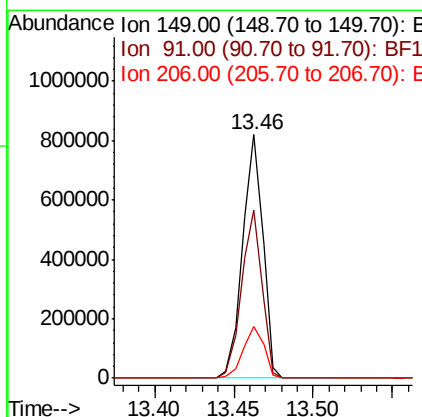
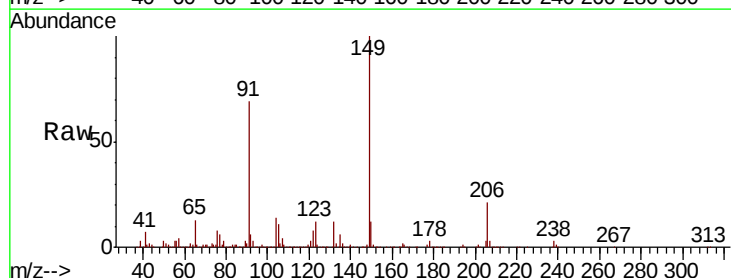
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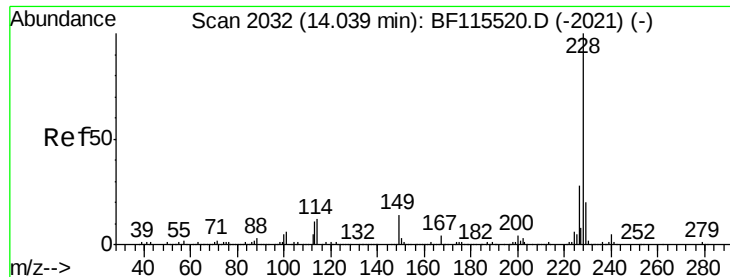
mohammad
 7/17/2019 12:05:22 PM



#80
 Butylbenzylphthalate
 Concen: 46.713 ng
 RT: 13.46 min Scan# 1934
 Delta R.T. -0.01 min
 Lab File: BF115583.D
 Acq: 16 Jul 2019 8:12

Tgt Ion	Ratio	Lower	Upper
149	100		
91	68.8	55.8	83.8
206	21.3	18.2	27.2





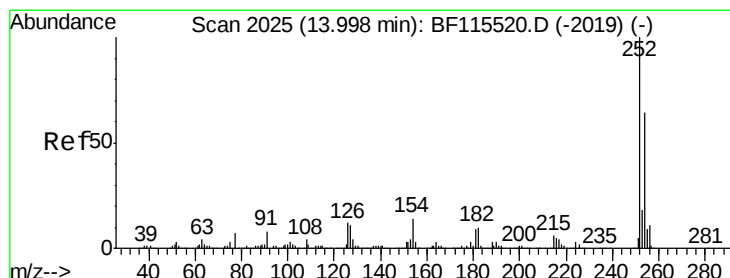
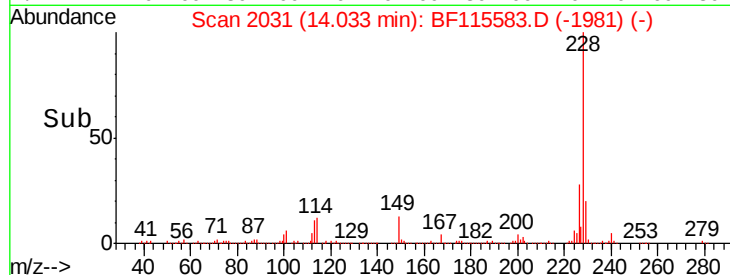
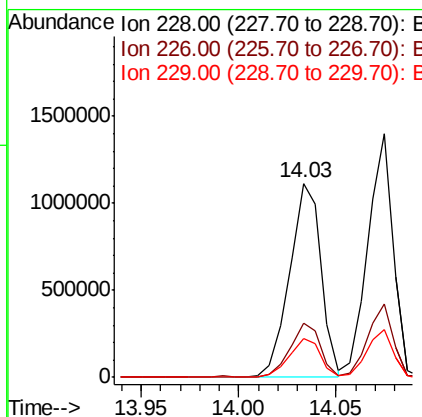
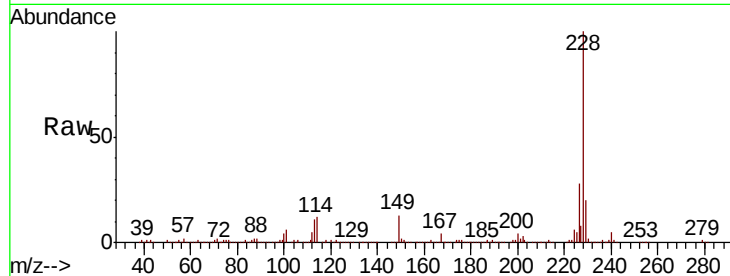
#81
Benzo(a)anthracene
Concen: 43.737 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF115583.D
Acq: 16 Jul 2019 8:12

Instrument :
BNA_F
ClientSampleId :
PB121214BS

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.8	23.4	35.0
229	20.0	17.2	25.8

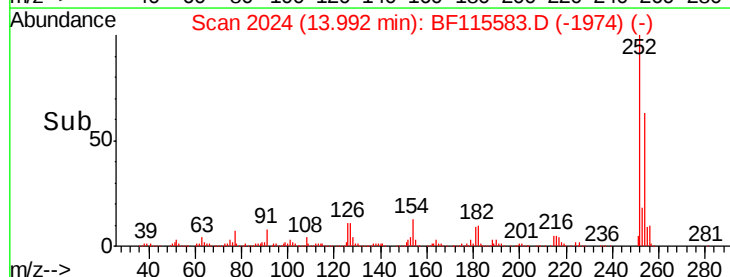
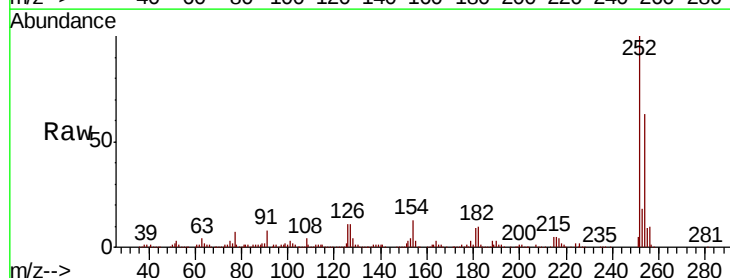
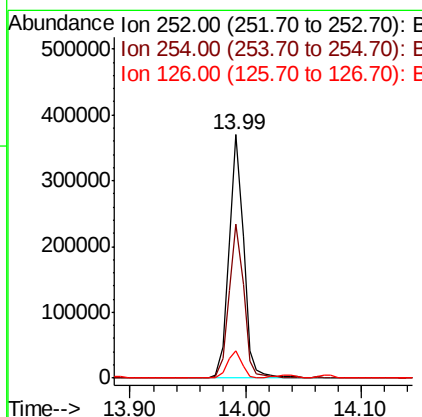
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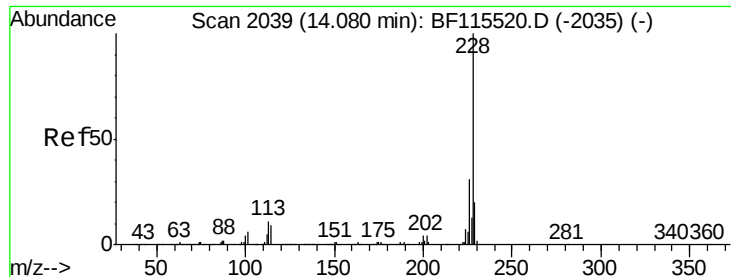
mohammad
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#82
3,3'-Dichlorobenzidine
Concen: 32.442 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF115583.D
Acq: 16 Jul 2019 8:12

Tgt Ion	Ratio	Lower	Upper
252	100		
254	63.2	52.9	79.3
126	11.3	9.9	14.9





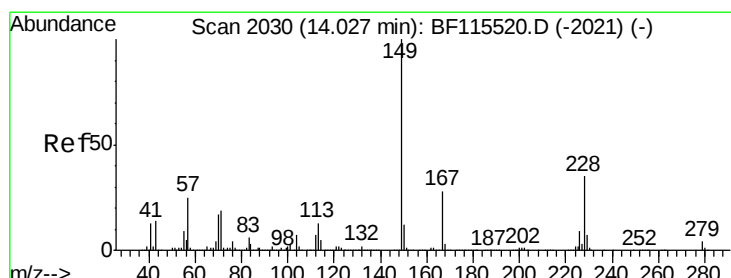
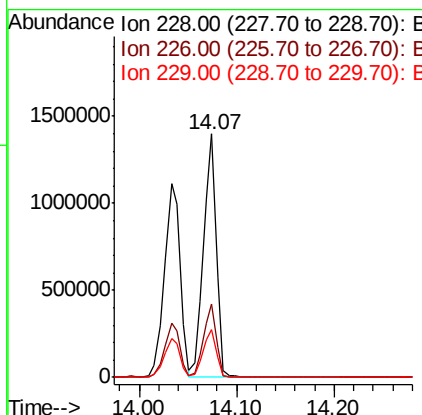
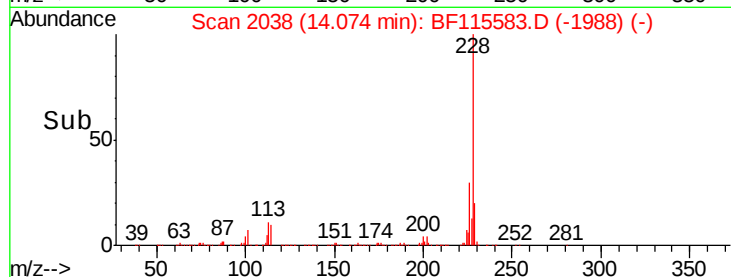
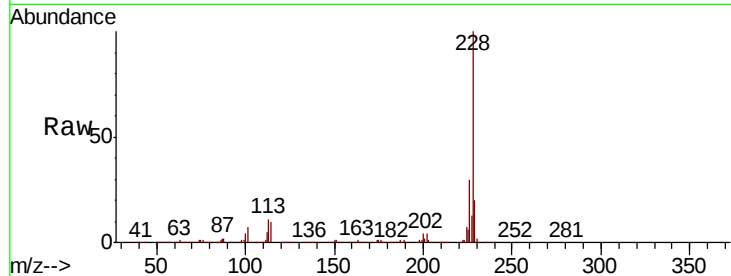
#83
 Chrysene
 Concen: 44.674 ng
 RT: 14.07 min Scan# 2038
 Delta R.T. -0.01 min
 Lab File: BF115583.D
 Acq: 16 Jul 2019 8:12

Instrument :
 BNA_F
 ClientSampleId :
 PB121214BS

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.7	38.5
229	19.8	16.6	25.0

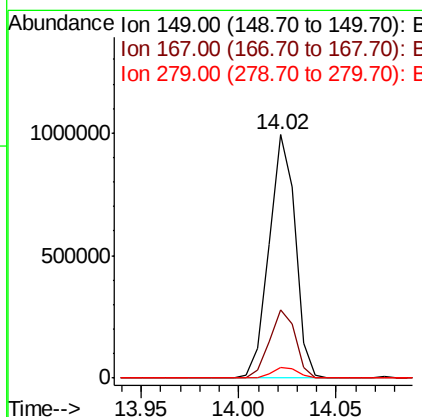
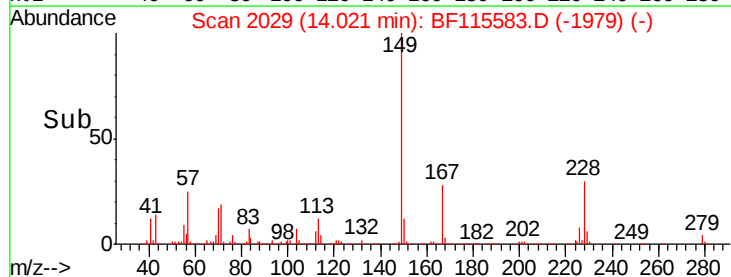
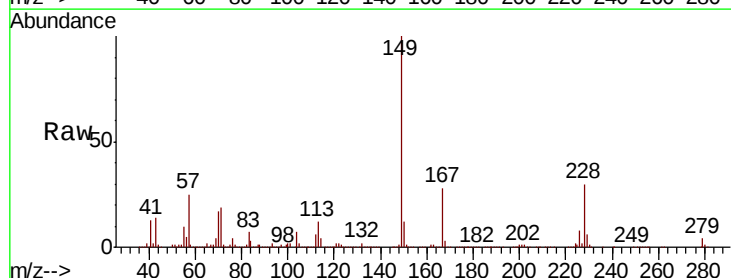
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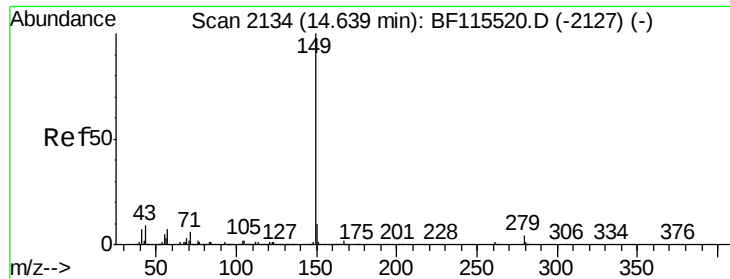
mohammad
 7/17/2019 12:05:22 PM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 47.735 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.01 min
 Lab File: BF115583.D
 Acq: 16 Jul 2019 8:12

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.9	23.0	34.4
279	4.2	4.2	6.2





#85

Di-n-octyl phthalate

Concen: 47.059 ng

RT: 14.63 min Scan# 2133

Delta R.T. -0.01 min

Lab File: BF115583.D

Acq: 16 Jul 2019 8:12

Instrument :

BNA_F

ClientSampleId :

PB121214BS

Tot Ion:149 Resp: 1442245

Ion Ratio Lower Upper

149 100

167 1.6 1.4 2.0

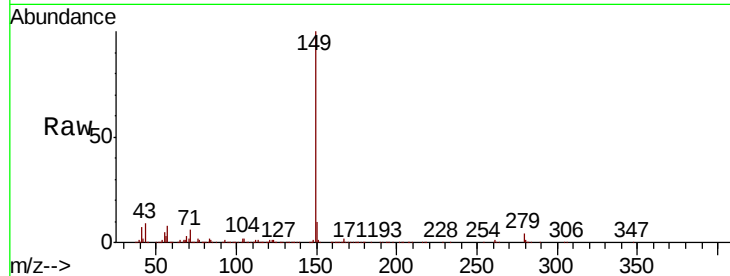
43 8.4 7.2 10.8

Manual Integrations

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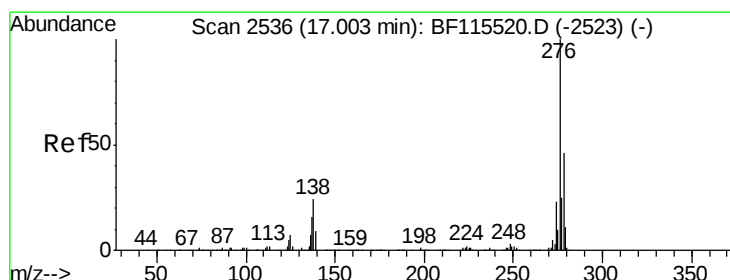
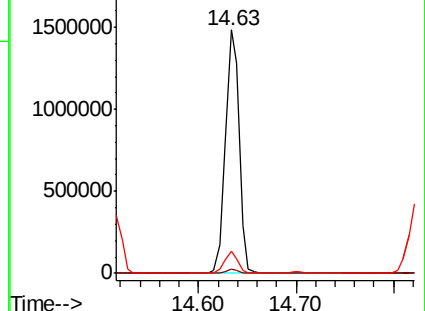
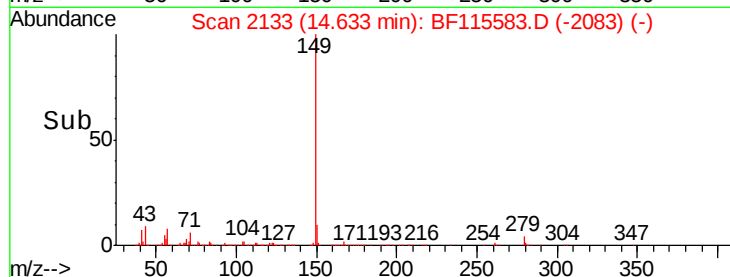
7/17/2019 12:05:22 PM



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: 43.032 ng

RT: 17.00 min Scan# 2535

Delta R.T. -0.01 min

Lab File: BF115583.D

Acq: 16 Jul 2019 8:12

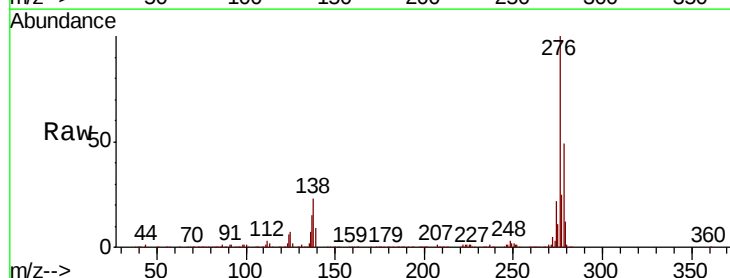
Tgt Ion:276 Resp: 1041005

Ion Ratio Lower Upper

276 100

138 24.9 20.2 30.2

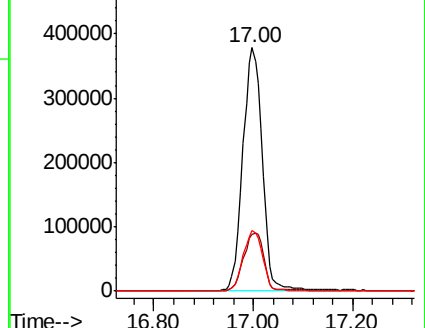
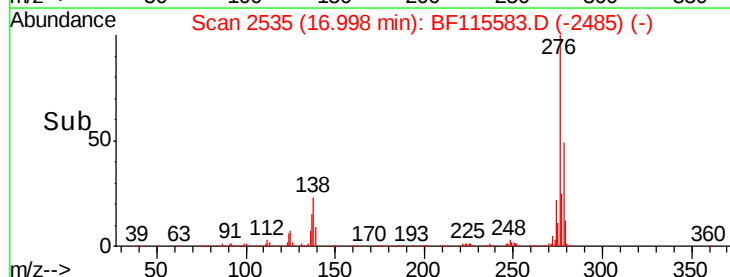
277 25.2 20.4 30.6

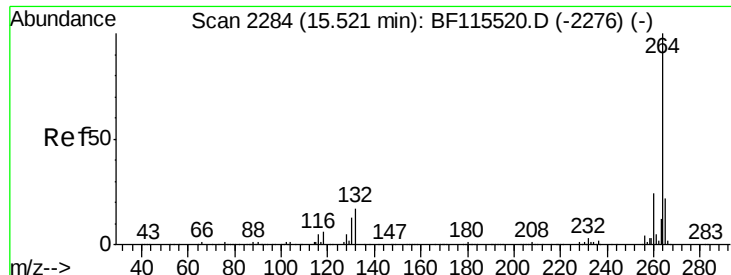


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





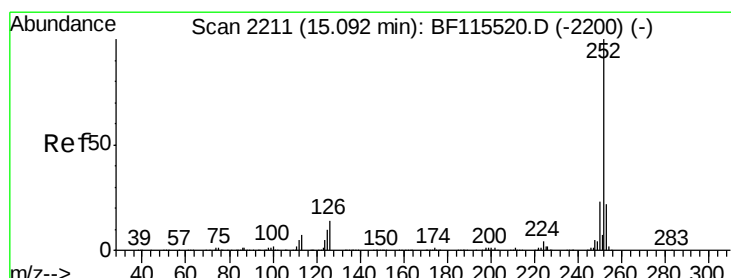
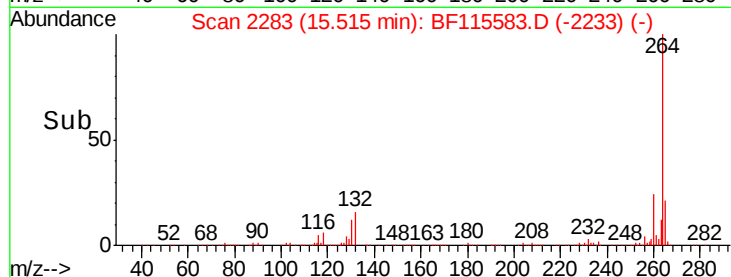
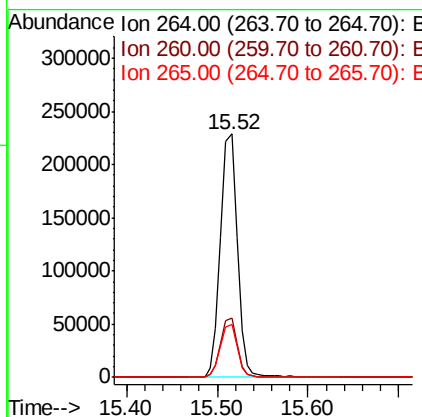
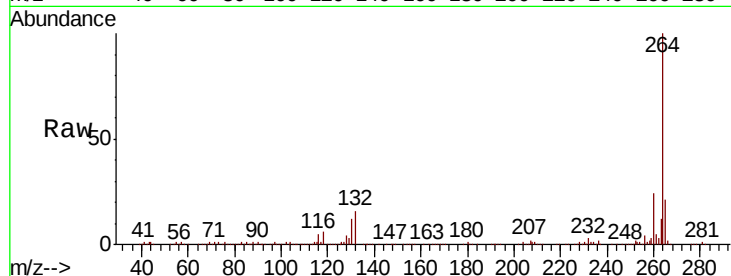
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2283
Delta R.T. -0.01 min
Lab File: BF115583.D
Acq: 16 Jul 2019 8:12

Instrument :
BNA_F
ClientSampleId :
PB121214BS

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.8	29.8
265	21.5	17.7	26.5

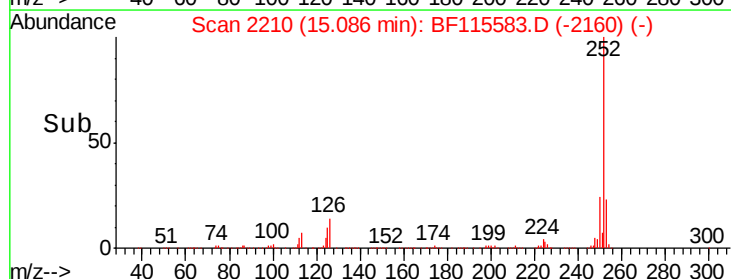
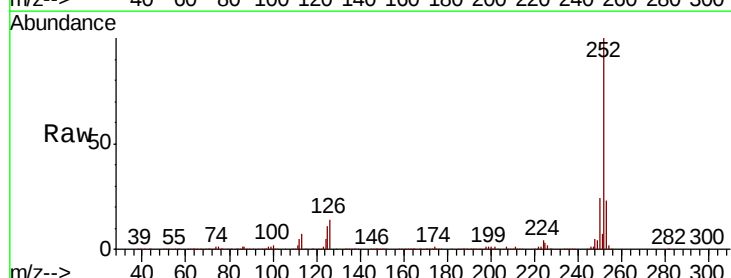
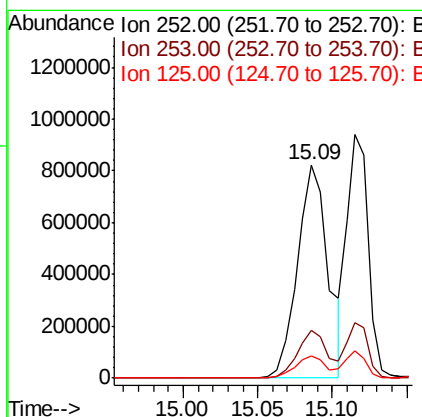
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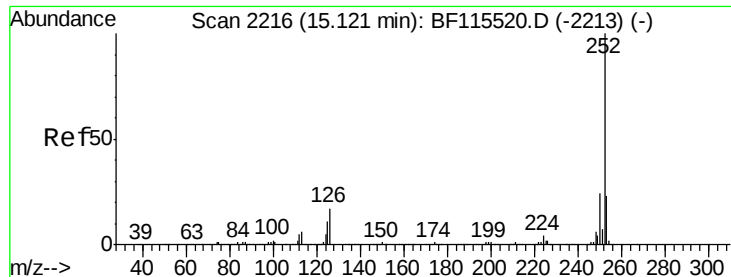
mohammad
7/17/2019 12:05:22 PM



#88
Benzo(b)fluoranthene
Concen: 61.169 ng
RT: 15.09 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF115583.D
Acq: 16 Jul 2019 8:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	10.5	9.0	13.4





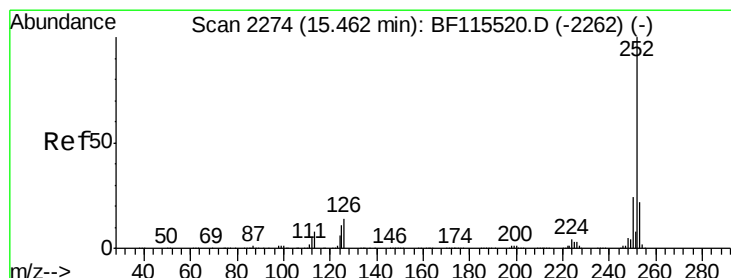
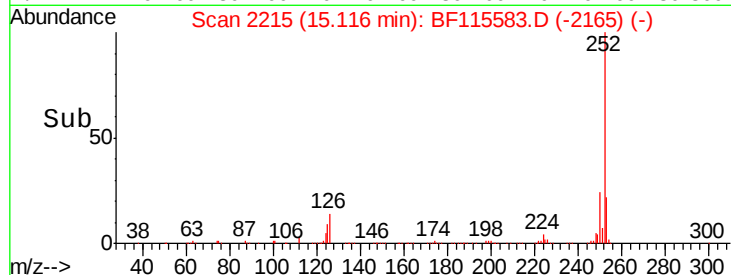
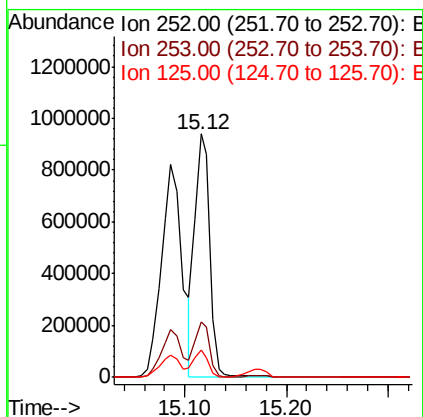
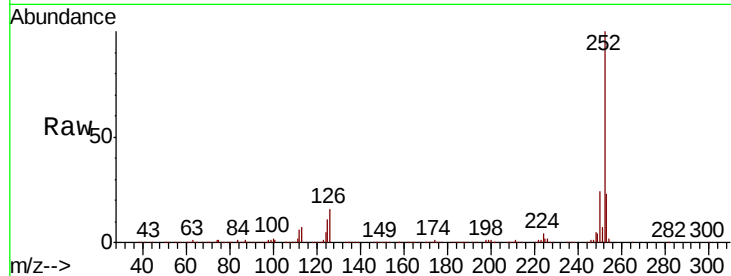
#89
Benzo(k)fluoranthene
Concen: 56.129 ng
RT: 15.12 min Scan# 2215
Delta R.T. -0.01 min
Lab File: BF115583.D
Acq: 16 Jul 2019 8:12

Instrument :
BNA_F
ClientSampleId :
PB121214BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.6	28.0
125	11.4	9.0	13.6

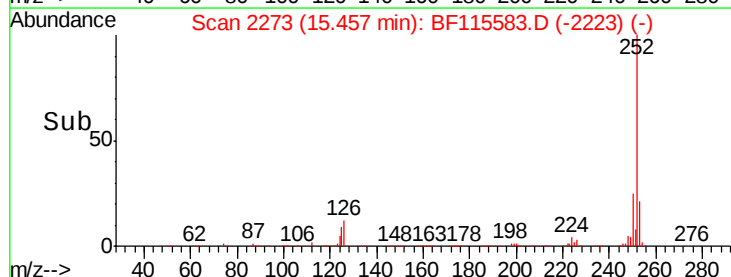
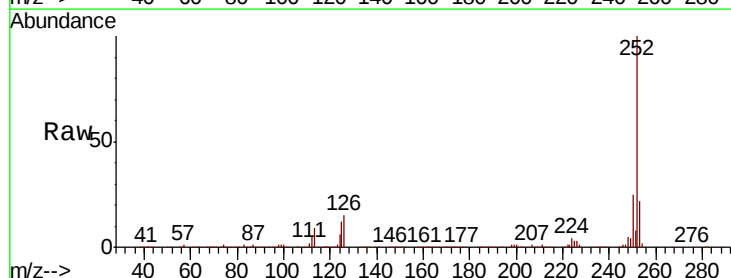
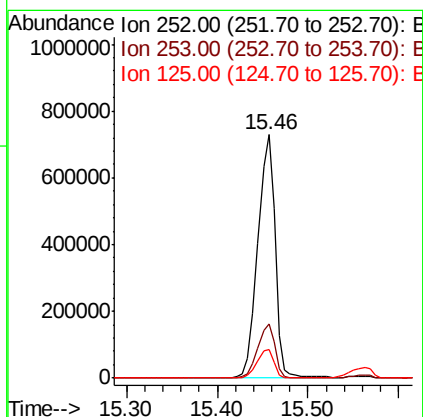
Manual Integrations
APPROVED

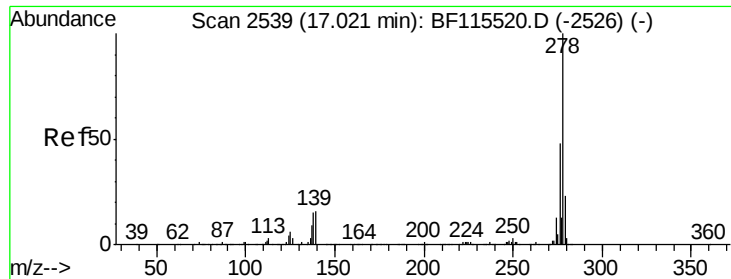
mohammad
7/17/2019 12:05:22 PM



#90
Benzo(a)pyrene
Concen: 58.451 ng
RT: 15.46 min Scan# 2273
Delta R.T. -0.01 min
Lab File: BF115583.D
Acq: 16 Jul 2019 8:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.6
125	11.8	9.1	13.7





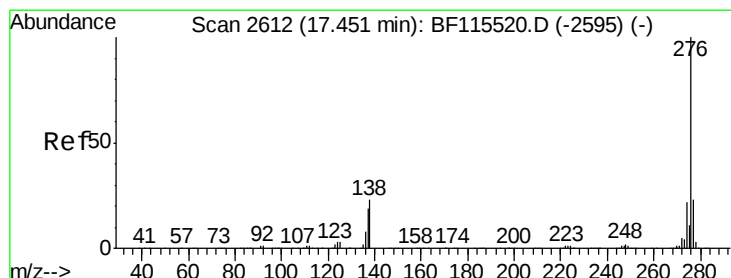
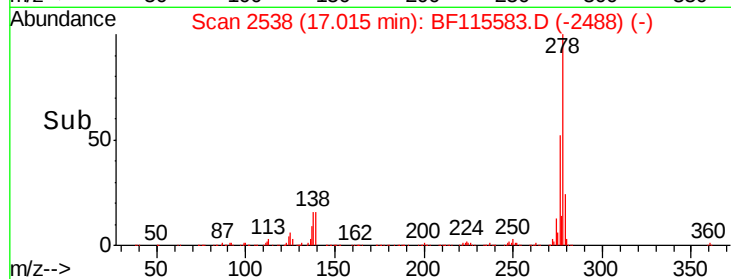
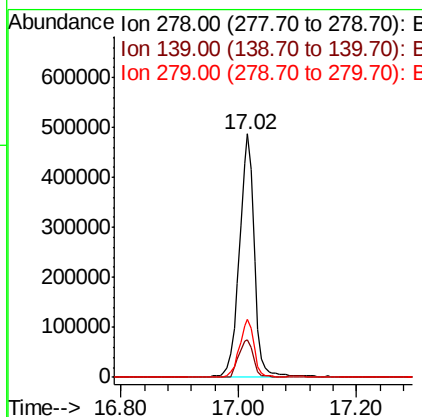
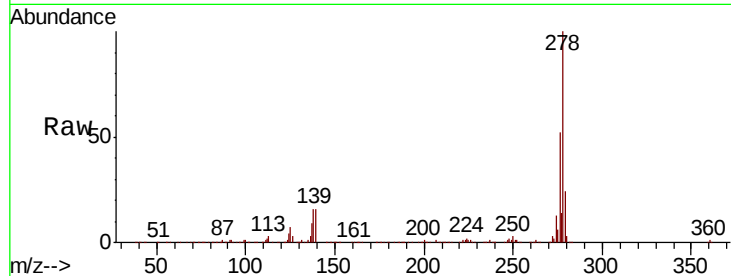
#91
Dibenzo(a,h)anthracene
Concen: 60.298 ng
RT: 17.02 min Scan# 2538
Delta R.T. -0.01 min
Lab File: BF115583.D
Acq: 16 Jul 2019 8:12

Instrument :
BNA_F
ClientSampleId :
PB121214BS

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.6	13.1	19.7
279	23.8	19.6	29.4

Manual Integrations
APPROVED

mohammad
7/17/2019 12:05:22 PM



#92
Benzo(g,h,i)perylene
Concen: 60.936 ng
RT: 17.44 min Scan# 2611
Delta R.T. -0.01 min
Lab File: BF115583.D
Acq: 16 Jul 2019 8:12

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.0	28.4
138	21.0	17.2	25.8

