

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080319\
 Data File : BF115972.D
 Acq On : 3 Aug 2019 11:04
 Operator : HP/JU
 Sample : PB121947BSD
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB121947BSD

Manual Integrations
 APPROVED

mohammad
 8/8/2019 4:45:16 PM

Quant Time: Aug 05 01:36:07 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	146335	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	609990	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	333521	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	580001	20.00	ng	0.00
76) Chrysene-d12	14.03	240	422191	20.00	ng	0.00
87) Perylene-d12	15.50	264	380787	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	1033068	118.18	ng	0.02
7) Phenol-d6	6.50	99	1313554	119.10	ng	0.01
23) Nitrobenzene-d5	7.42	82	877337	83.02	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	379823	117.46	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1519602	85.34	ng	0.00
79) Terphenyl-d14	12.97	244	1686649	84.18	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.72	88	182472	41.321	ng	99
3) Pyridine	3.46	79	469209	38.036	ng	99
4) n-Nitrosodimethylamine	3.41	42	211459	43.437	ng	100
6) Aniline	6.52	93	544219	34.456	ng	# 91
8) 2-Chlorophenol	6.65	128	456195	47.195	ng	99
9) Benzaldehyde	6.40	77	246599	32.406	ng	99
10) Phenol	6.51	94	578188	44.519	ng	84
11) bis(2-Chloroethyl)ether	6.59	93	433197	45.368	ng	97
12) 1,3-Dichlorobenzene	6.80	146	480158	42.982	ng	100
13) 1,4-Dichlorobenzene	6.87	146	493261	44.099	ng	99
14) 1,2-Dichlorobenzene	7.03	146	452188	43.905	ng	99
15) Benzyl Alcohol	7.00	79	391972	46.833	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.13	45	583841	44.828	ng	95
17) 2-Methylphenol	7.11	107	386267	47.193	ng	98
18) Hexachloroethane	7.36	117	181680	44.117	ng	95
19) n-Nitroso-di-n-propylamine	7.27	70	314156	45.968	ng	98
20) 3+4-Methylphenols	7.26	107	456933	47.176	ng	# 89
22) Acetophenone	7.26	105	613623	45.868	ng	96
24) Nitrobenzene	7.44	77	515195	45.151	ng	96
25) Isophorone	7.67	82	931954	46.121	ng	100
26) 2-Nitrophenol	7.75	139	256317	47.654	ng	99
27) 2,4-Dimethylphenol	7.79	122	417392	51.580	ng	99
28) bis(2-Chloroethoxy)methane	7.88	93	570582	45.557	ng	99
29) 2,4-Dichlorophenol	8.00	162	401503	46.991	ng	98
30) 1,2,4-Trichlorobenzene	8.08	180	429901	44.139	ng	99
31) Naphthalene	8.16	128	1305561	45.482	ng	100
32) Benzoic acid	7.95	122	259129	45.420	ng	97
33) 4-Chloroaniline	8.20	127	364193	28.396	ng	99
34) Hexachlorobutadiene	8.27	225	237256	42.292	ng	99
35) Caprolactam	8.59	113	124117m	44.914	ng	
36) 4-Chloro-3-methylphenol	8.70	107	429920	48.367	ng	96
37) 2-Methylnaphthalene	8.85	142	885916	46.862	ng	99
38) 1-Methylnaphthalene	8.95	142	824938	46.126	ng	100
40) 1,2,4,5-Tetrachlorobenzene	9.02	216	402637	45.157	ng	99

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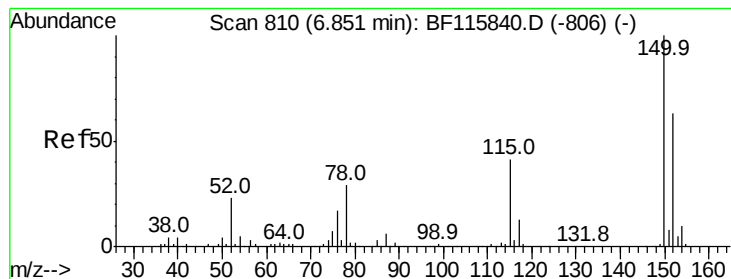
Manual Integrations
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Quant Time: Aug 05 01:36:07 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
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 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.01	237	267919	67.900	nq	98
43) 2,4,6-Trichlorophenol	9.14	196	268535	43.755	nq	98
44) 2,4,5-Trichlorophenol	9.18	196	286008	45.083	nq	95
46) 1,1'-Biphenyl	9.32	154	1067110	45.319	nq	99
47) 2-Chloronaphthalene	9.35	162	846073	43.172	nq	99
48) 2-Nitroaniline	9.44	65	276510	42.686	nq	91
49) Acenaphthylene	9.76	152	1294267	45.268	nq	100
50) Dimethylphthalate	9.62	163	1017643	44.812	nq	99
51) 2,6-Dinitrotoluene	9.69	165	227454	46.089	nq	99
52) Acenaphthene	9.93	154	768655	43.822	nq	99
53) 3-Nitroaniline	9.86	138	183391	30.074	nq	98
54) 2,4-Dinitrophenol	9.97	184	199143	79.403	nq	100
55) Dibenzofuran	10.10	168	1134323	44.469	nq	96
56) 4-Nitrophenol	10.03	139	346755	88.768	nq	95
57) 2,4-Dinitrotoluene	10.09	165	293675	44.695	nq	91
58) Fluorene	10.45	166	882142	44.949	nq	100
59) 2,3,4,6-Tetrachlorophenol	10.23	232	240496	45.059	nq	99
60) Diethylphthalate	10.32	149	963353	45.437	nq	100
61) 4-Chlorophenyl-phenylether	10.43	204	449717	45.247	nq	98
62) 4-Nitroaniline	10.47	138	256280	40.668	nq	99
63) Azobenzene	10.60	77	993097	45.540	nq	97
65) 4,6-Dinitro-2-methylphenol	10.51	198	145210	47.244	nq	99
66) n-Nitrosodiphenylamine	10.56	169	810046	46.401	nq	100
67) 4-Bromophenyl-phenylether	10.93	248	278375	44.835	nq	94
68) Hexachlorobenzene	11.00	284	308924	43.028	nq	98
69) Atrazine	11.09	200	258514	45.012	nq	99
70) Pentachlorophenol	11.20	266	310855	89.181	nq	97
71) Phenanthrene	11.41	178	1311060	44.217	nq	99
72) Anthracene	11.46	178	1356696	45.211	nq	98
73) Carbazole	11.62	167	1227161	45.075	nq	100
74) Di-n-butylphthalate	11.94	149	1471544	46.335	nq	99
75) Fluoranthene	12.60	202	1358276	43.757	nq	97
77) Benzidine	12.72	184	656064	45.996	nq	98
78) Pyrene	12.83	202	1404351	44.127	nq	100
80) Butylbenzylphthalate	13.44	149	631319	46.895	nq	97
81) Benzo(a)anthracene	14.02	228	1195622	44.307	nq	100
82) 3,3'-Dichlorobenzidine	13.97	252	353446	37.701	nq	# 99
83) Chrysene	14.06	228	1155830	44.119	nq	99
84) Bis(2-ethylhexyl)phthalate	14.00	149	879583	50.279	nq	100
85) Di-n-octyl phthalate	14.62	149	1417056	50.997	nq	100
86) Indeno(1,2,3-cd)pyrene	17.00	276	964888	43.851	nq	99
88) Benzo(b)fluoranthene	15.08	252	1113101	50.555	nq	98
89) Benzo(k)fluoranthene	15.11	252	1002199	46.733	nq	98
90) Benzo(a)pyrene	15.44	252	975057	49.540	nq	99
91) Dibenzo(a,h)anthracene	17.00	278	804629	47.229	nq	97
92) Benzo(g,h,i)perylene	17.44	276	786104	46.983	nq	100

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



#1

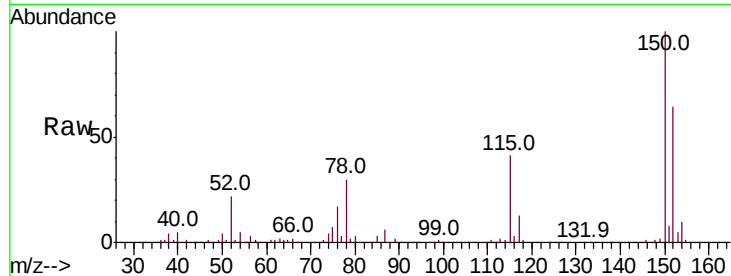
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF115972.D
Acq: 3 Aug 2019 11:04

Instrument :
BNA_F
ClientSampleId :
PB121947BSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	127.4	191.0
115	63.7	51.8	77.8

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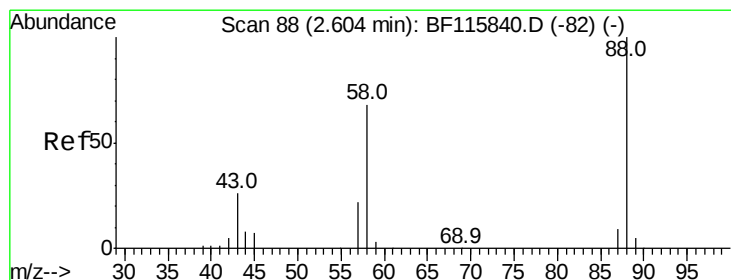
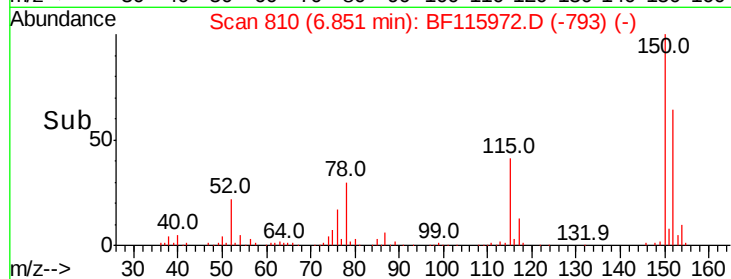
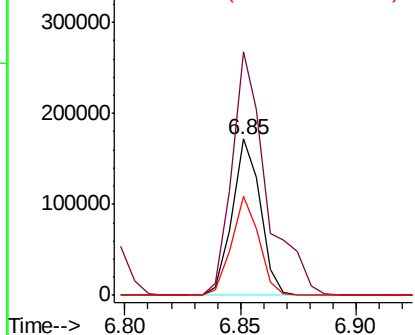


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

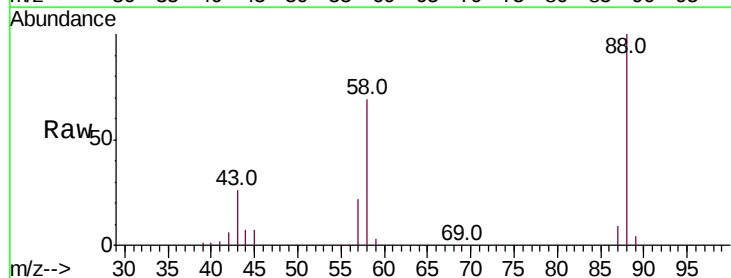
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 41.321 ng
RT: 2.72 min Scan# 107
Delta R.T. 0.11 min
Lab File: BF115972.D
Acq: 3 Aug 2019 11:04

Tgt Ion	Ratio	Lower	Upper
88	100		
58	67.8	54.1	81.1
43	26.6	20.7	31.1

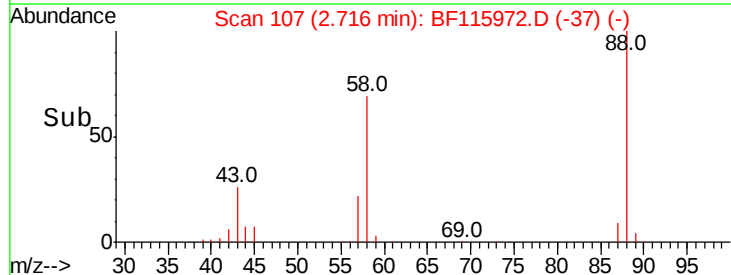
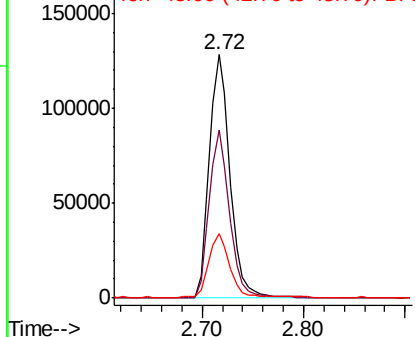


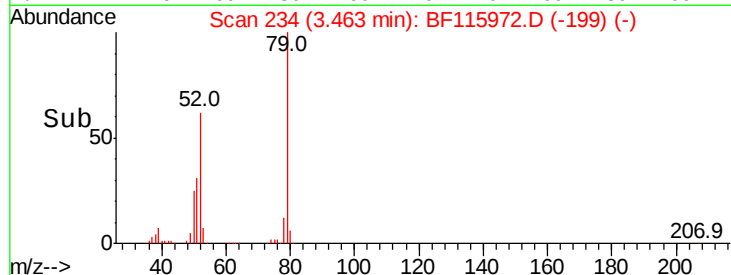
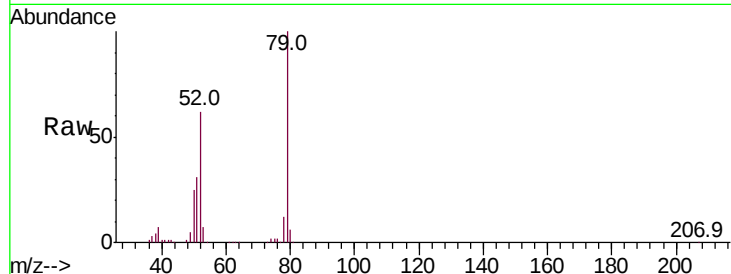
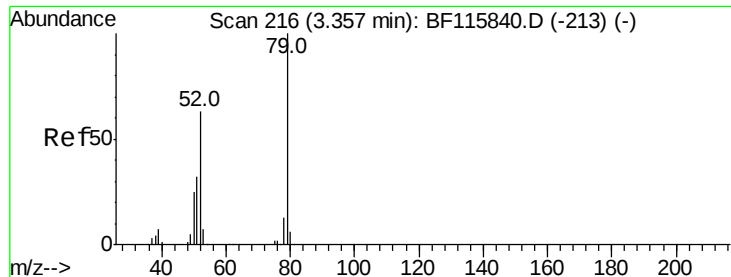
Abundance

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





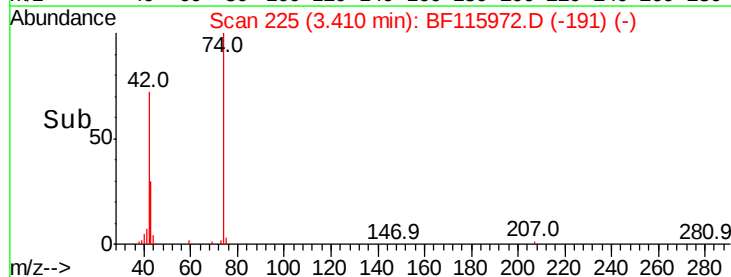
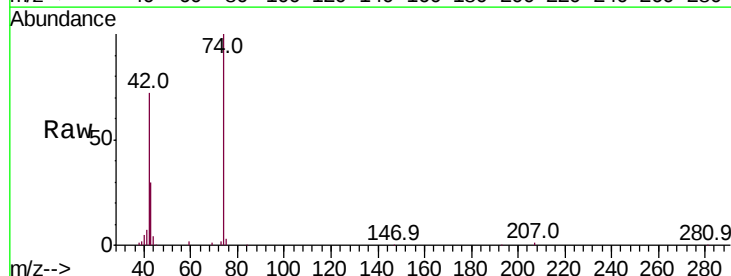
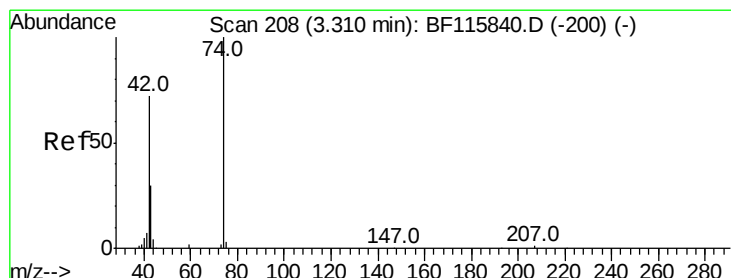
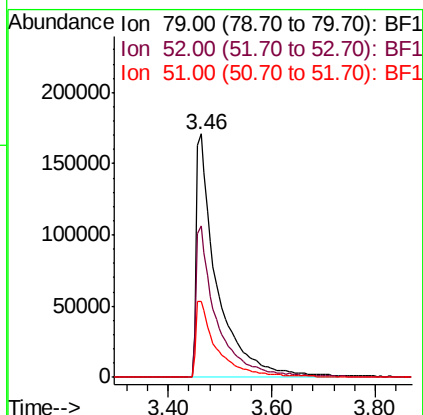
#3
Pvridine
Concen: 38.036 ng
RT: 3.46 min Scan# 234
Delta R.T. 0.11 min
Lab File: BF115972.D
Acq: 3 Aug 2019 11:04

Tot Ion	Ratio	Lower	Upper
79	100		
52	62.1	50.2	75.4
51	31.0	25.8	38.6

Instrument :
BNA_F
ClientSampleId :
PB121947BSD

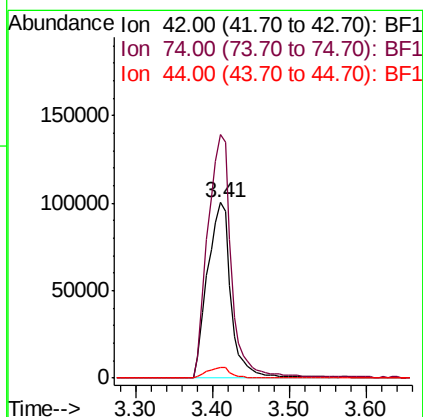
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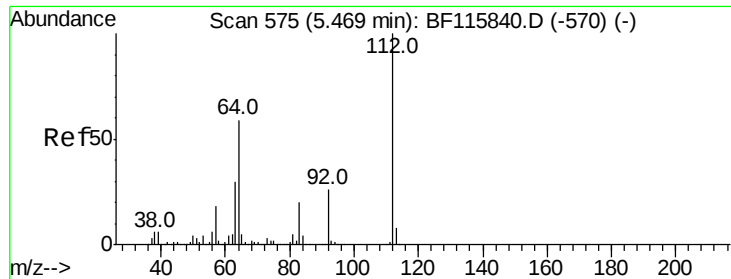
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#4
n-Nitrosodimethylamine
Concen: 43.437 ng
RT: 3.41 min Scan# 225
Delta R.T. 0.10 min
Lab File: BF115972.D
Acq: 3 Aug 2019 11:04

Tgt Ion	Ratio	Lower	Upper
42	100		
74	138.9	111.0	166.4
44	6.2	4.7	7.1





#5

2-Fluorophenol

Concen: 118.182 ng

RT: 5.49 min Scan# 578

Delta R.T. 0.02 min

Lab File: BF115972.D

Acq: 3 Aug 2019 11:04

Instrument :

BNA_F

ClientSampleId :

PB121947BSD

Tot Ion:112 Resp: 1033068

Ion Ratio Lower Upper

112 100

64 58.6 46.8 70.2

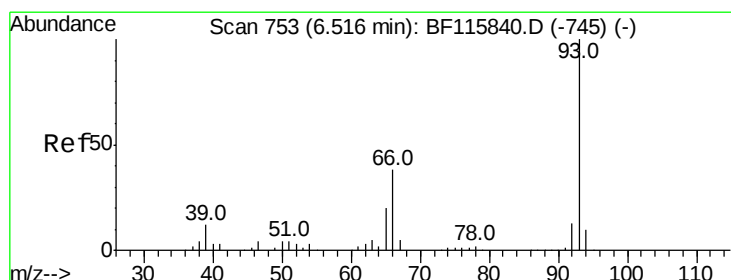
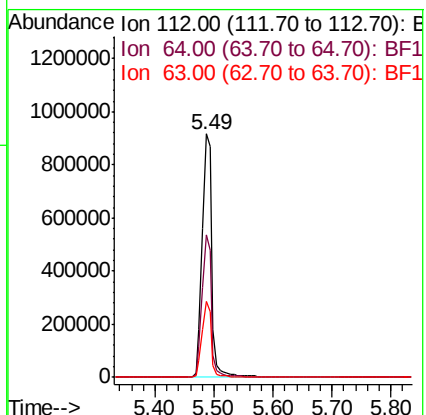
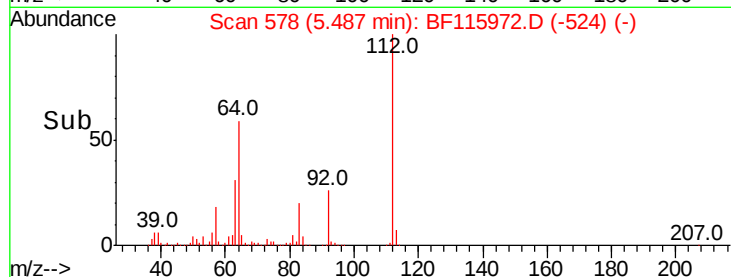
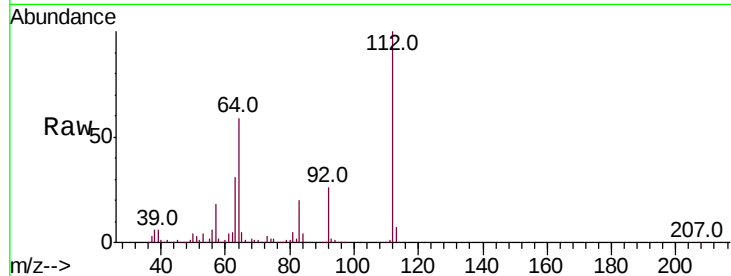
63 31.0 24.2 36.2

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#6

Aniline

Concen: 34.456 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.00 min

Lab File: BF115972.D

Acq: 3 Aug 2019 11:04

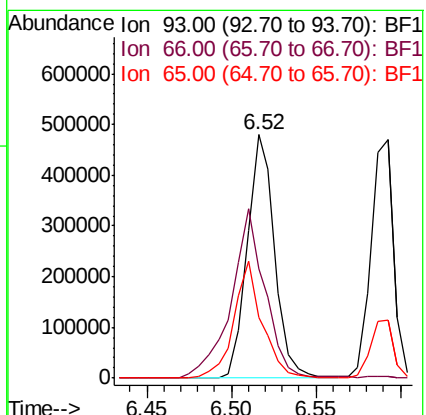
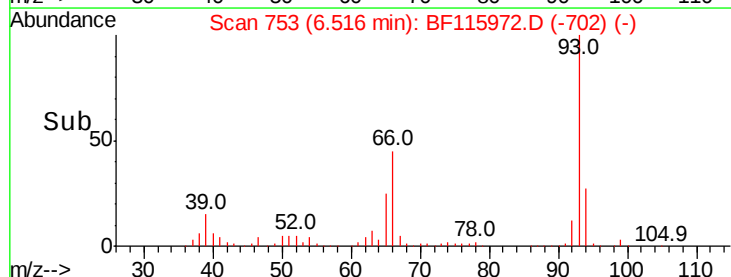
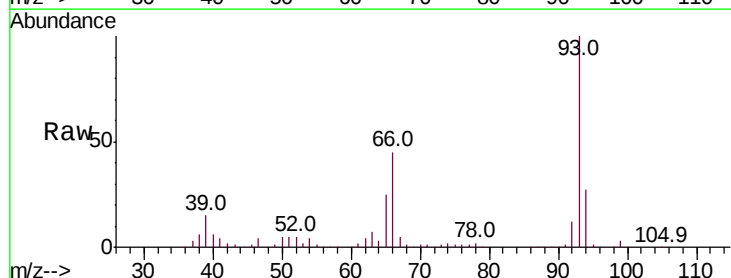
Tgt Ion: 93 Resp: 544219

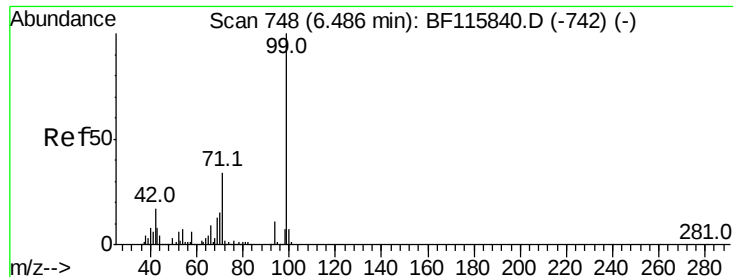
Ion Ratio Lower Upper

93 100

66 45.0 31.4 47.0

65 25.0 16.5 24.7#





#7

Phenol-d6

Concen: 119.103 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.01 min

Lab File: BF115972.D

Acq: 3 Aug 2019 11:04

Instrument :

BNA_F

ClientSampleId :

PB121947BSD

Tot Ion: 99 Resp: 1313554

Ion Ratio Lower Upper

99 100

42 16.6 13.8 20.6

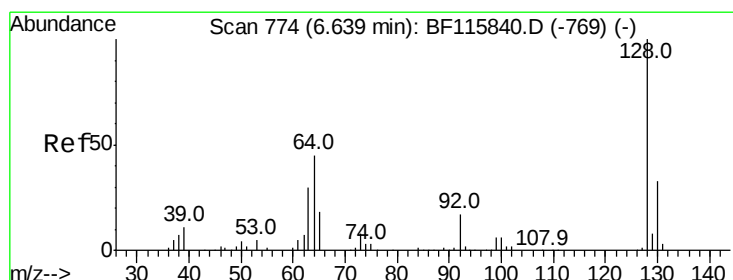
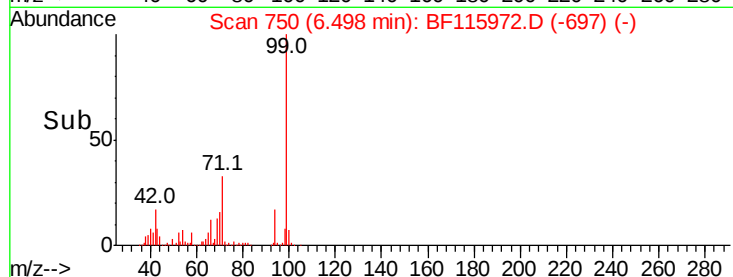
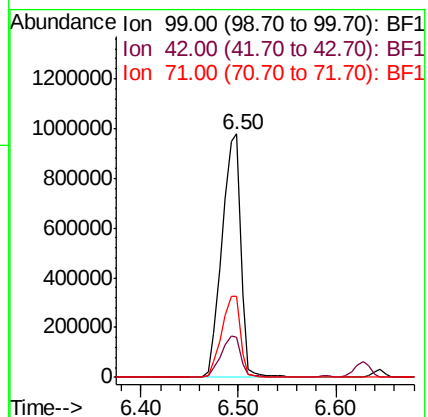
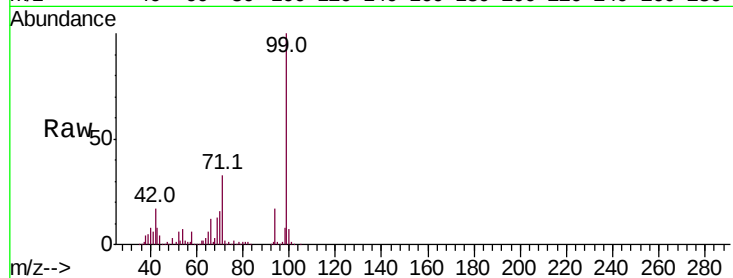
71 33.3 27.1 40.7

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#8

2-Chlorophenol

Concen: 47.195 ng

RT: 6.65 min Scan# 775

Delta R.T. 0.01 min

Lab File: BF115972.D

Acq: 3 Aug 2019 11:04

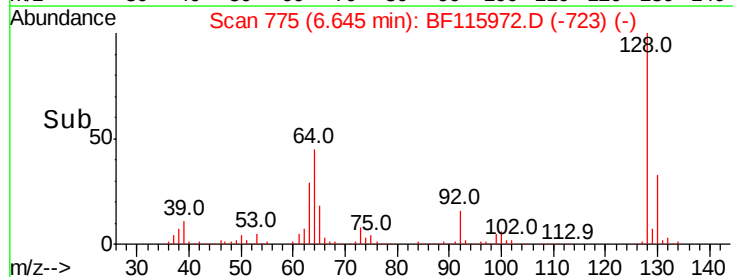
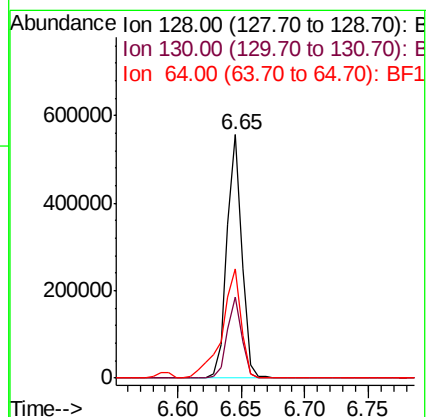
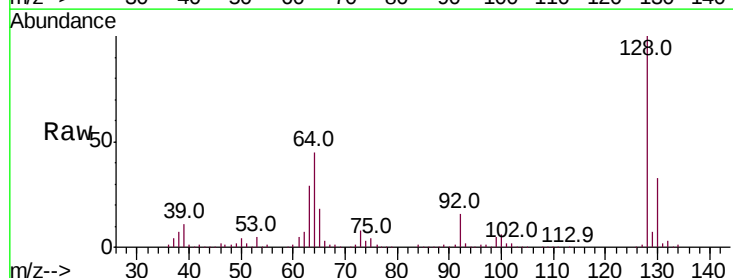
Tgt Ion: 128 Resp: 456195

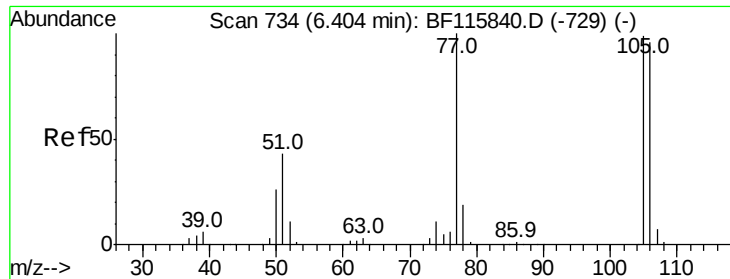
Ion Ratio Lower Upper

128 100

130 33.2 12.9 52.9

64 45.0 26.1 66.1





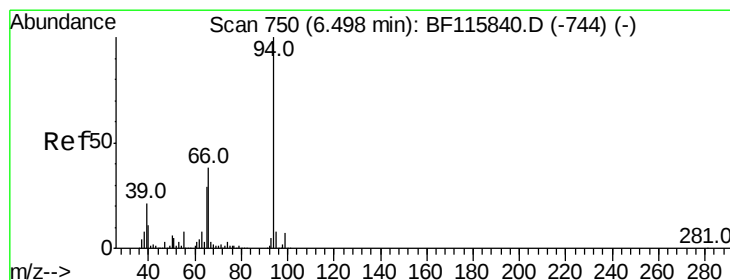
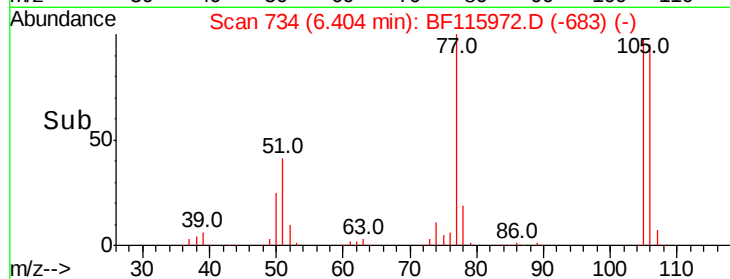
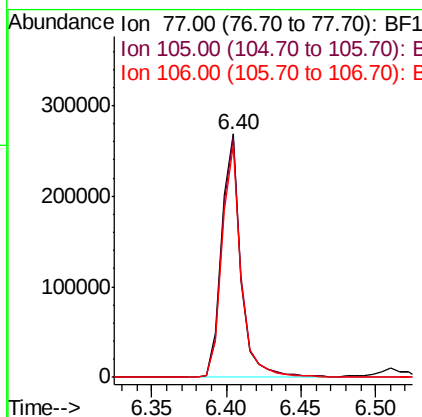
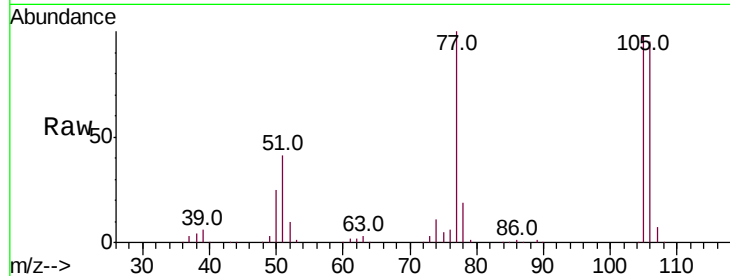
#9
Benzaldehyde
Concen: 32.406 ng
RT: 6.40 min Scan# 734
Delta R.T. 0.00 min
Lab File: BF115972.D
Acq: 3 Aug 2019 11:04

Instrument :
BNA_F
ClientSampleId :
PB121947BSD

Tot Ion	Ratio	Lower	Upper
77	100		
105	98.2	79.0	119.0
106	95.4	76.2	116.2

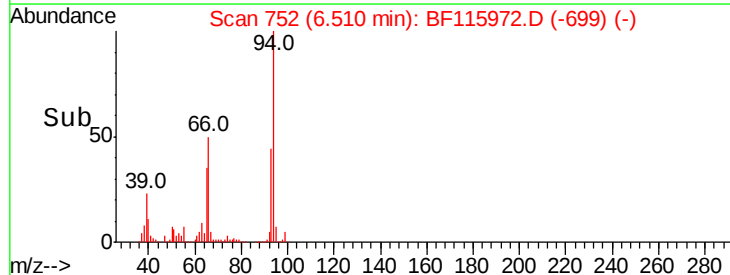
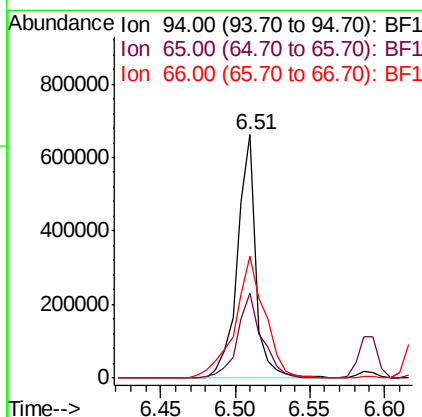
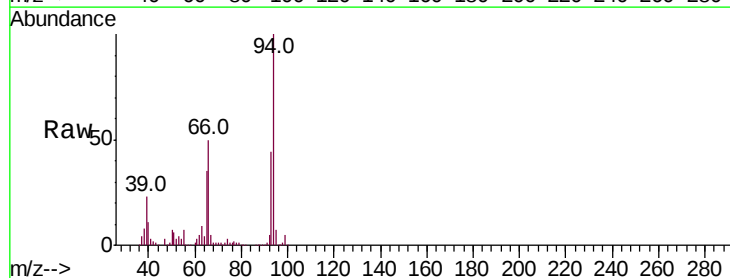
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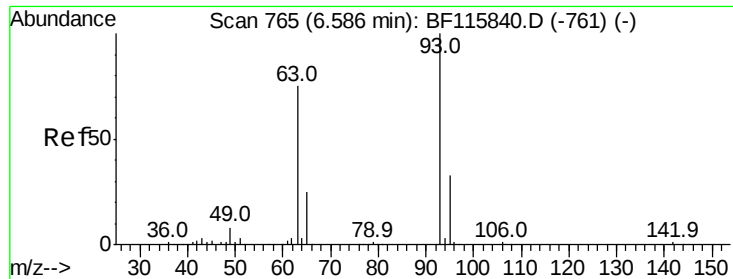
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#10
Phenol
Concen: 44.519 ng
RT: 6.51 min Scan# 752
Delta R.T. 0.01 min
Lab File: BF115972.D
Acq: 3 Aug 2019 11:04

Tgt Ion	Ratio	Lower	Upper
94	100		
65	34.9	8.9	48.9
66	50.2	18.0	58.0





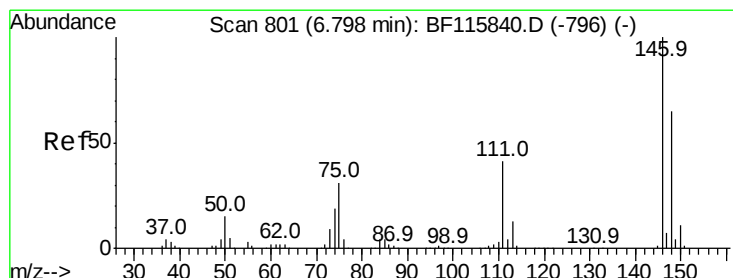
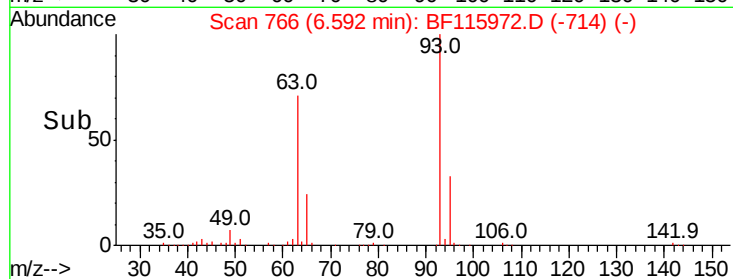
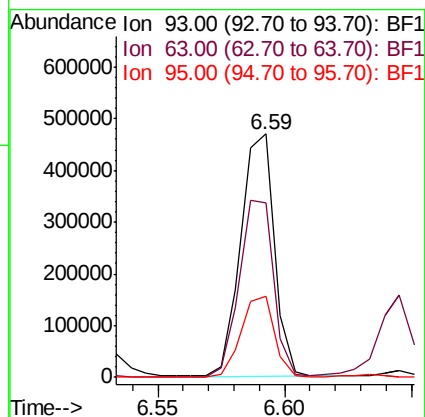
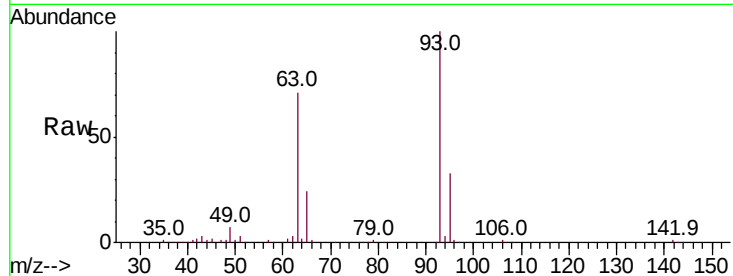
#11
bis(2-Chloroethyl)ether
Concen: 45.368 ng
RT: 6.59 min Scan# 766
Delta R.T. 0.01 min
Lab File: BF115972.D
Acq: 3 Aug 2019 11:04

Instrument :
BNA_F
ClientSampleId :
PB121947BSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	71.5	54.9	94.9
95	33.1	13.3	53.3

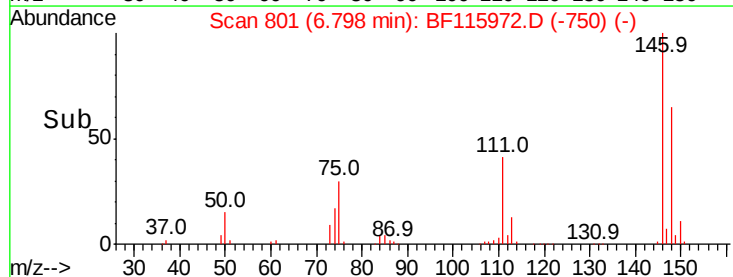
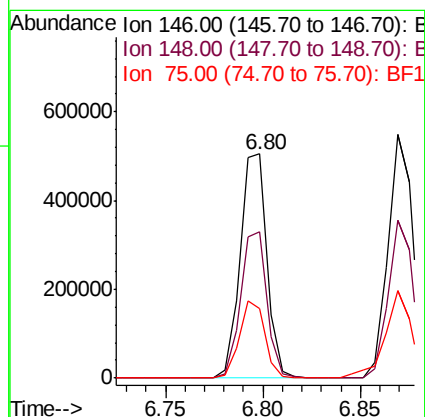
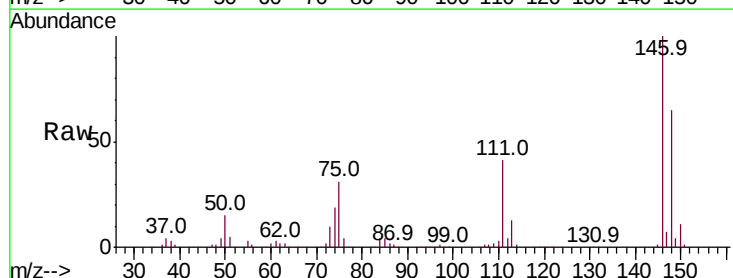
Manual Integrations
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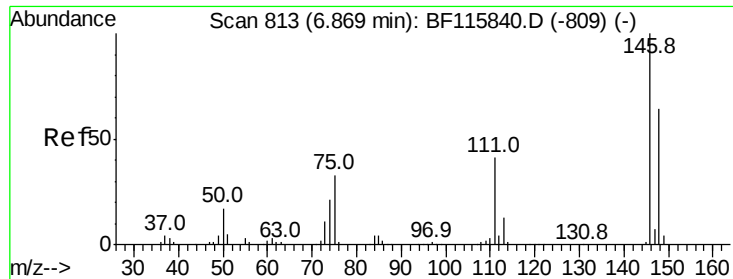
mohammad
8/8/2019 4:45:16 PM



#12
1,3-Dichlorobenzene
Concen: 42.982 ng
RT: 6.80 min Scan# 801
Delta R.T. 0.00 min
Lab File: BF115972.D
Acq: 3 Aug 2019 11:04

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.3	52.1	78.1
75	31.0	25.0	37.6





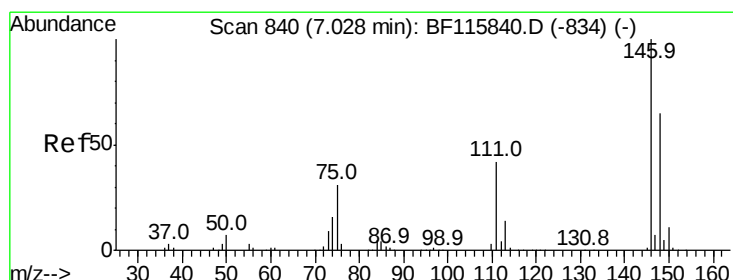
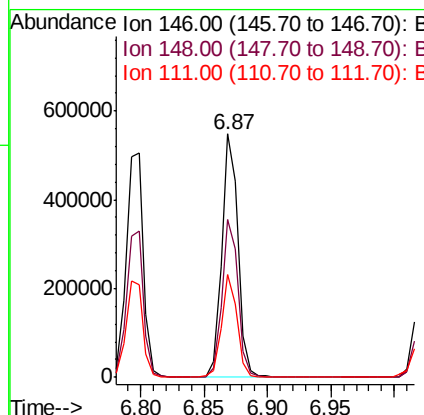
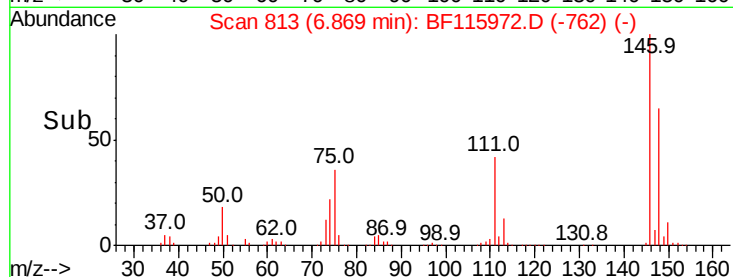
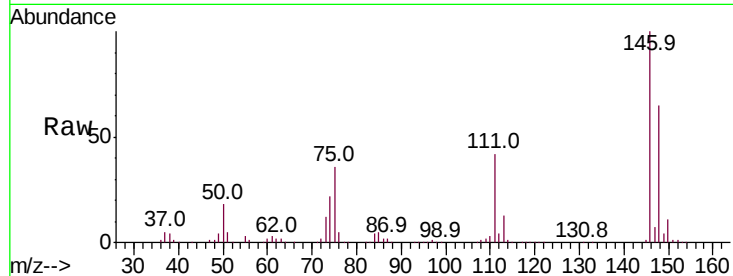
#13
 1,4-Dichlorobenzene
 Concen: 44.099 ng
 RT: 6.87 min Scan# 813
 Delta R.T. 0.00 min
 Lab File: BF115972.D
 Acq: 3 Aug 2019 11:04

Instrument :
 BNA_F
 ClientSampleId :
 PB121947BSD

Tot Ion	Ratio	Resp	Lower	Upper
146	100	493261		
148	64.8	51.2	76.8	
111	42.3	33.2	49.8	

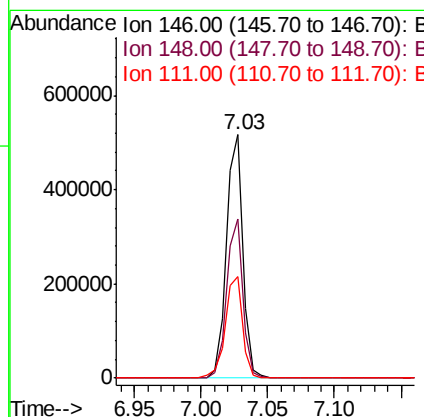
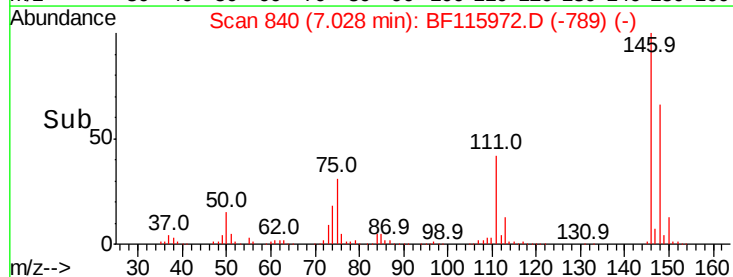
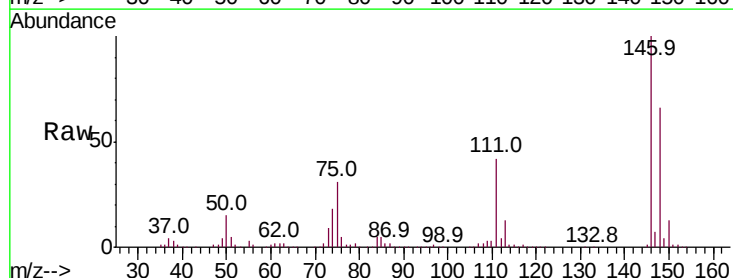
Manual Integrations
 APPROVED

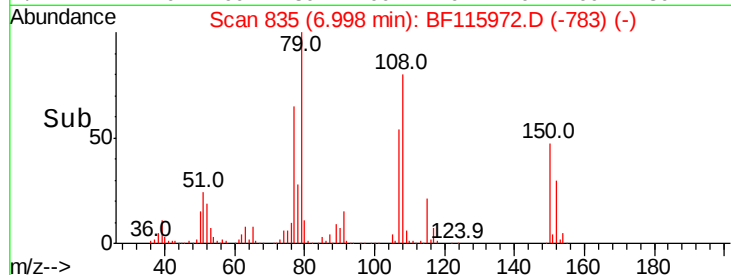
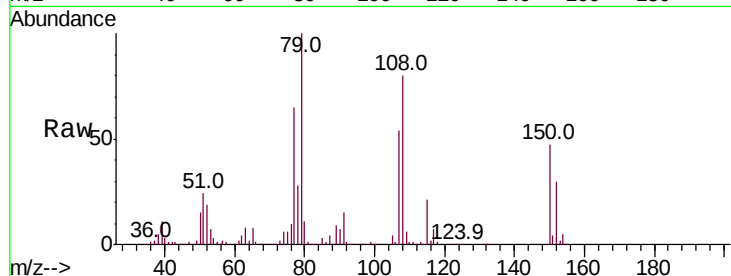
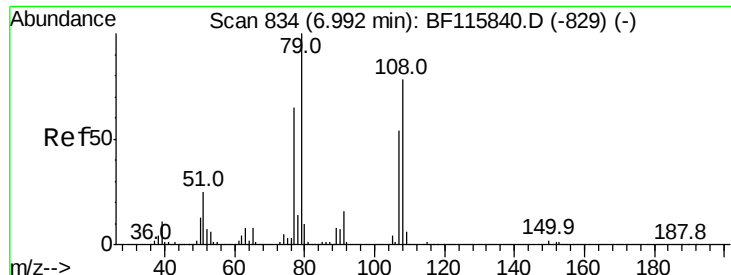
mohammad
 8/8/2019 4:45:16 PM



#14
 1,2-Dichlorobenzene
 Concen: 43.905 ng
 RT: 7.03 min Scan# 840
 Delta R.T. 0.00 min
 Lab File: BF115972.D
 Acq: 3 Aug 2019 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	452188		
148	65.6	51.6	77.4	
111	41.6	33.6	50.4	





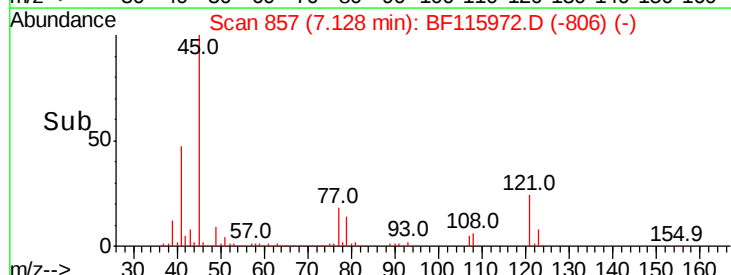
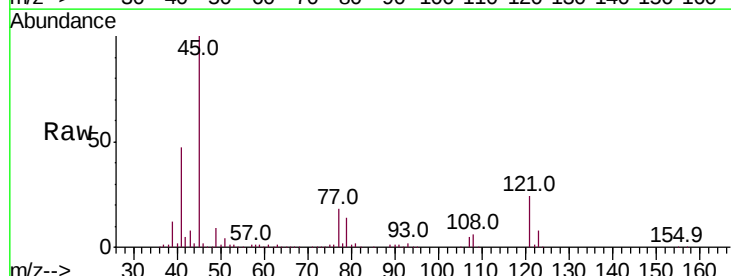
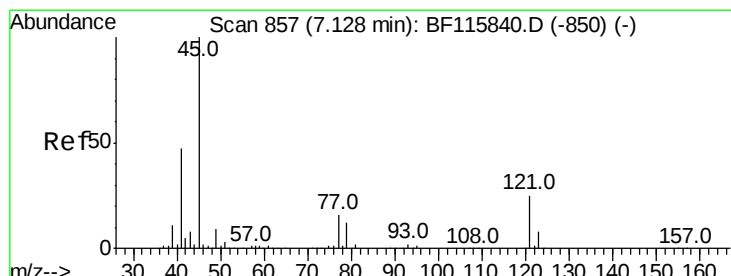
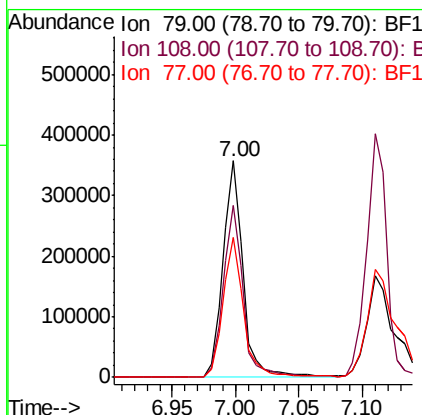
#15
Benzyl Alcohol
Concen: 46.833 ng
RT: 7.00 min Scan# 835
Delta R.T. 0.01 min
Lab File: BF115972.D
Acq: 3 Aug 2019 11:04

Tot Ion: 79 Resp: 391972
Ion Ratio Lower Upper
79 100
108 79.7 62.8 94.2
77 64.8 52.0 78.0

Instrument :
BNA_F
ClientSampleId :
PB121947BSD

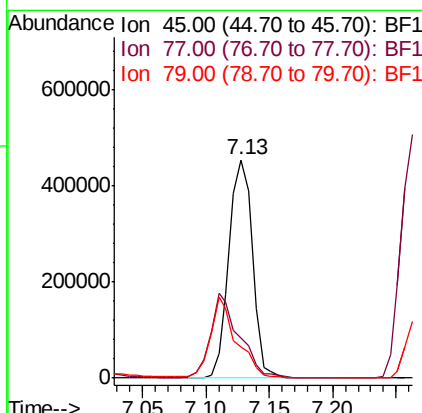
Manual Integrations
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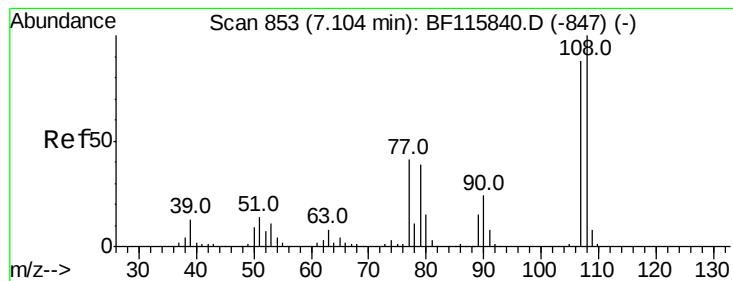
mohammad
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 44.828 ng
RT: 7.13 min Scan# 857
Delta R.T. 0.00 min
Lab File: BF115972.D
Acq: 3 Aug 2019 11:04

Tgt Ion: 45 Resp: 583841
Ion Ratio Lower Upper
45 100
77 18.5 0.0 36.3
79 14.4 0.0 32.5





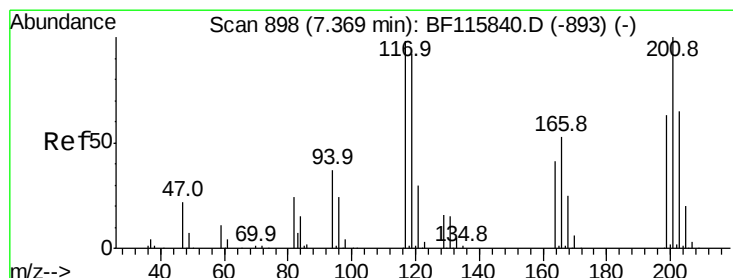
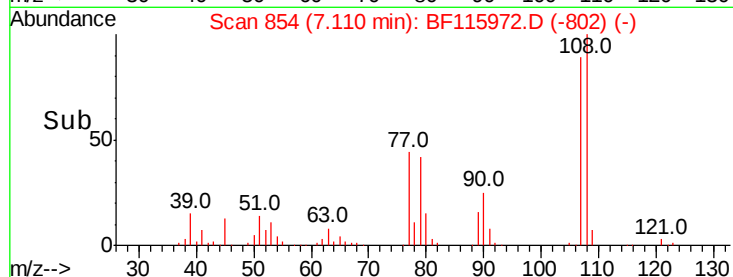
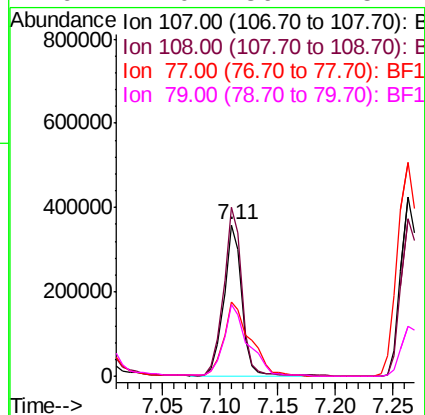
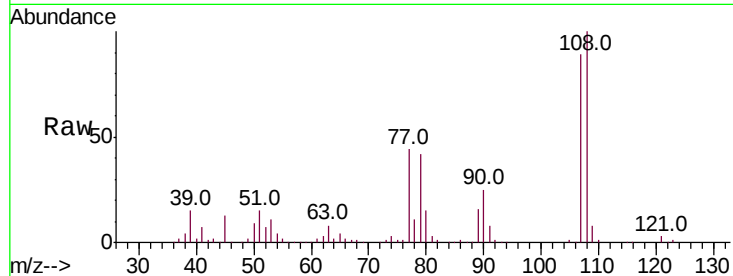
#17
2-Methylphenol
Concen: 47.193 ng
RT: 7.11 min Scan# 854
Delta R.T. 0.01 min
Lab File: BF115972.D
Acq: 3 Aug 2019 11:04

Instrument :
BNA_F
ClientSampleId :
PB121947BSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	112.1	91.4	137.0	
77	49.4	37.6	56.4	
79	47.0	36.2	54.4	

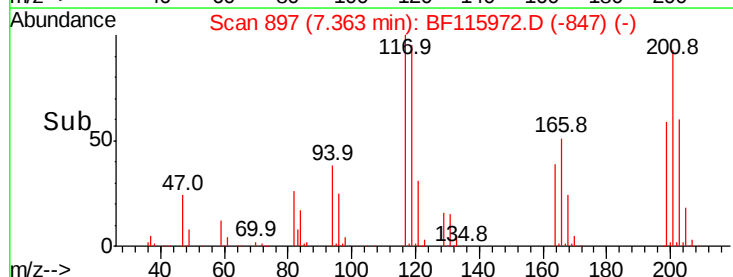
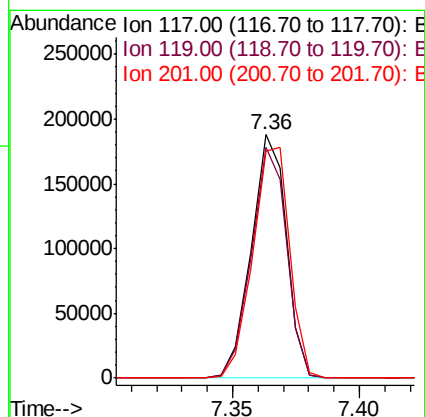
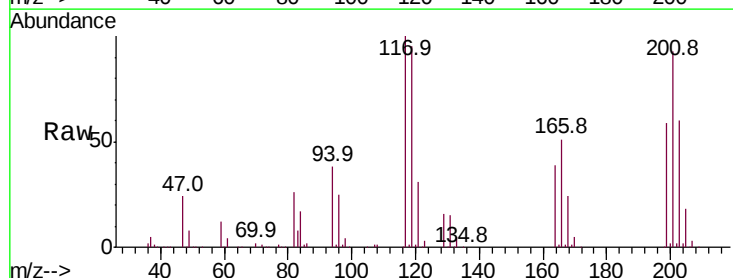
Manual Integrations
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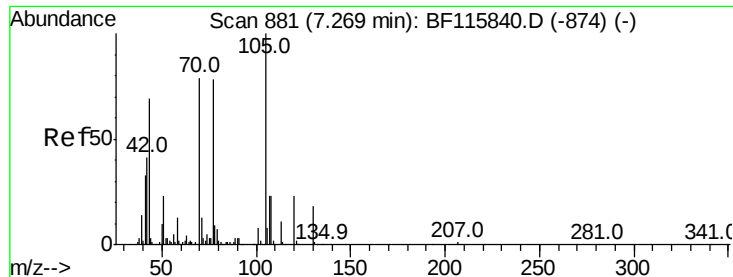
mohammad
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#18
Hexachloroethane
Concen: 44.117 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF115972.D
Acq: 3 Aug 2019 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	94.9	75.8	113.6	
201	93.0	82.0	123.0	





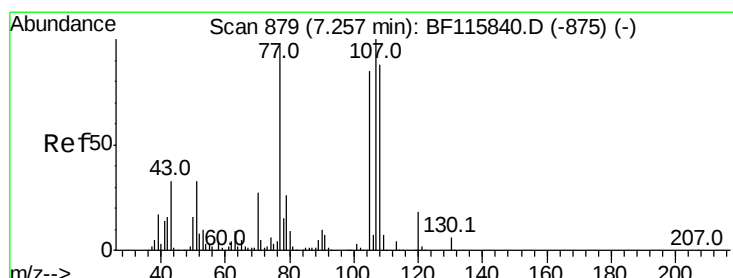
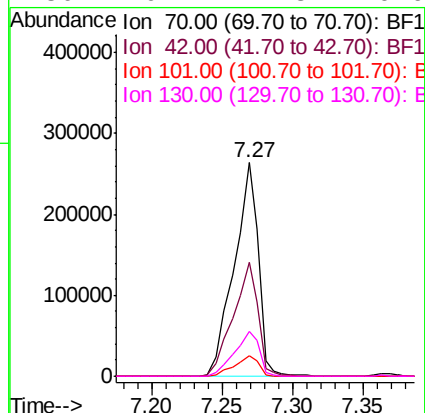
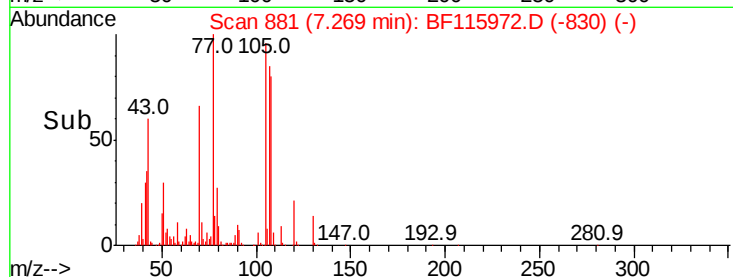
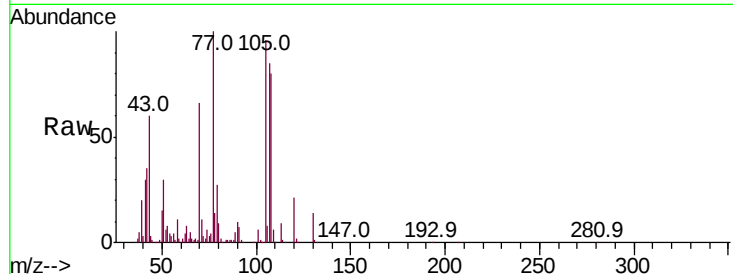
#19
n-Nitroso-di-n-propylamine
Concen: 45.968 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.00 min
Lab File: BF115972.D
Acq: 3 Aug 2019 11:04

Instrument :
BNA_F
ClientSampleId :
PB121947BSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	53.5	41.8	62.8
101	9.5	7.7	11.5
130	20.7	17.8	26.6

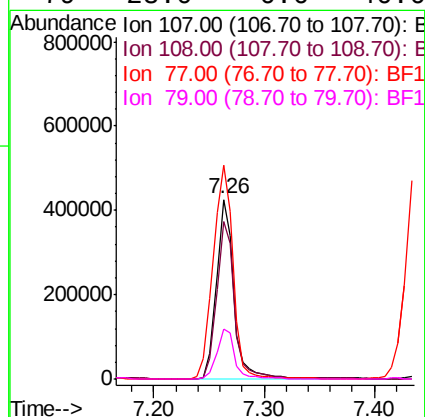
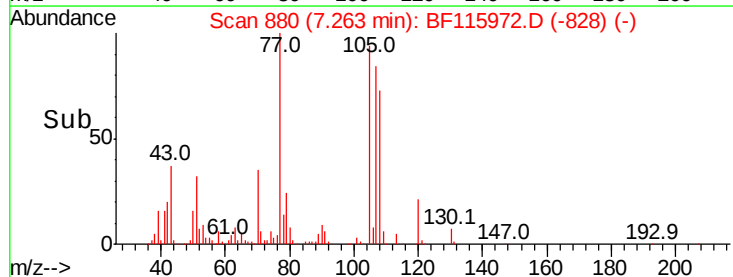
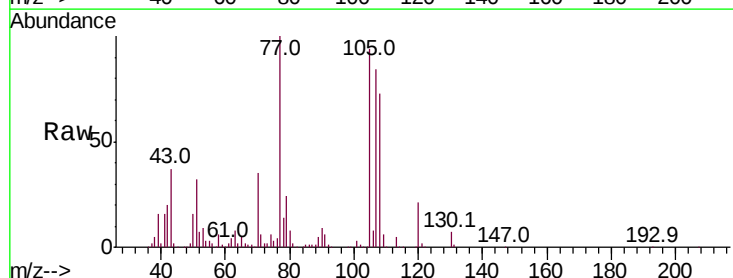
Manual Integrations
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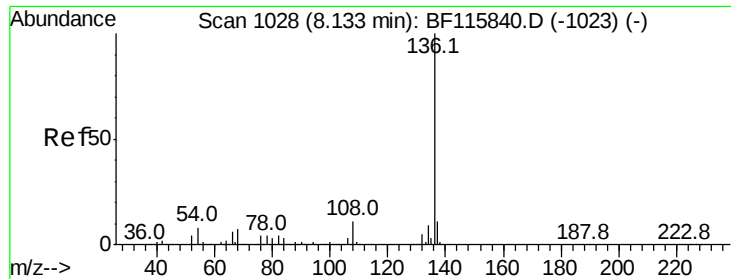
mohammad
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#20
3+4-Methylphenols
Concen: 47.176 ng
RT: 7.26 min Scan# 880
Delta R.T. 0.01 min
Lab File: BF115972.D
Acq: 3 Aug 2019 11:04

Tgt Ion	Ratio	Lower	Upper
107	100		
108	87.4	67.9	107.9
77	118.9	77.3	117.3#
79	28.0	6.6	46.6





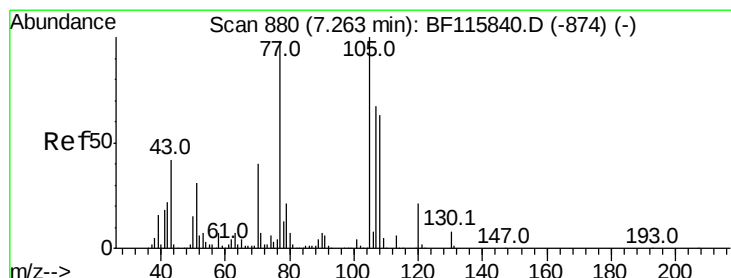
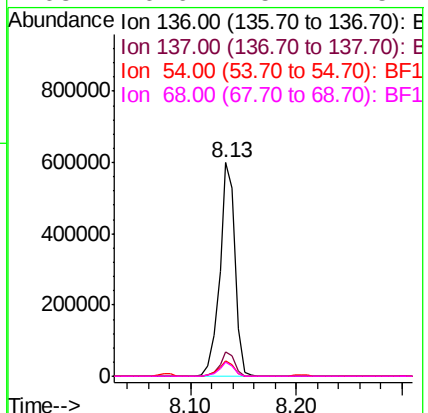
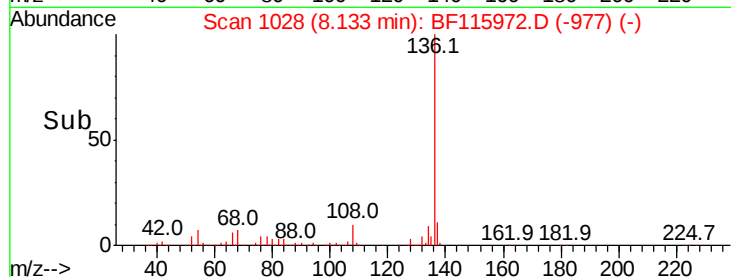
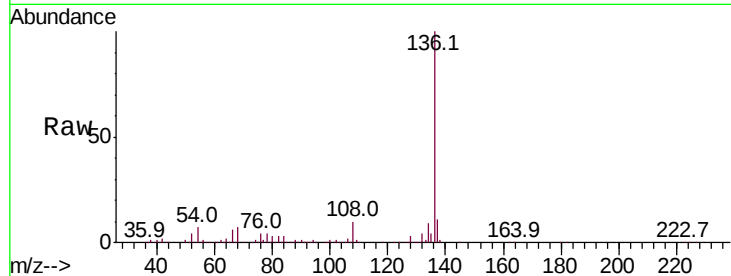
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BF115972.D
Acq: 3 Aug 2019 11:04

Instrument :
BNA_F
ClientSampleId :
PB121947BSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	609990		
137	11.2		9.1	13.7
54	7.5		6.1	9.1
68	6.6		5.4	8.2

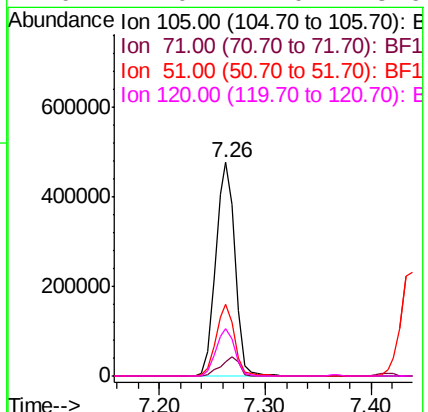
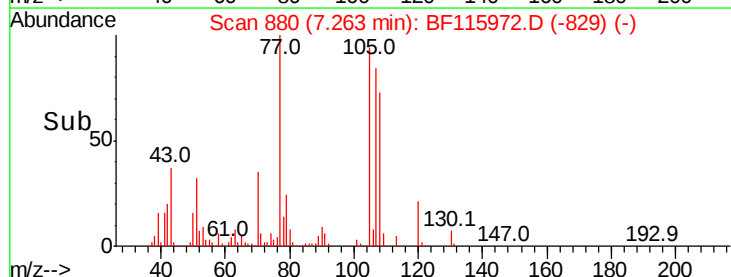
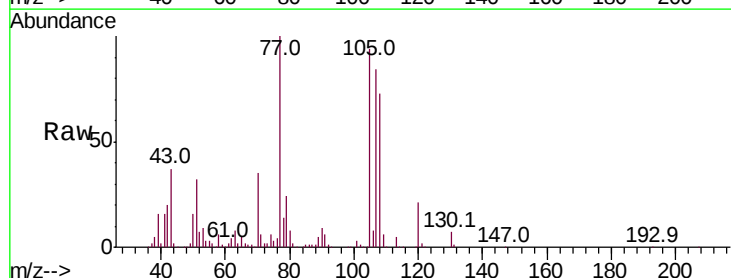
Manual Integrations
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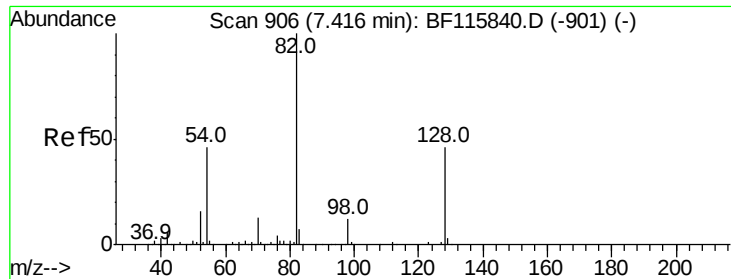
mohammad
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#22
Acetophenone
Concen: 45.868 ng
RT: 7.26 min Scan# 880
Delta R.T. 0.00 min
Lab File: BF115972.D
Acq: 3 Aug 2019 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	613623		
71	6.4		5.4	8.0
51	33.7		24.6	36.8
120	22.0		17.0	25.6





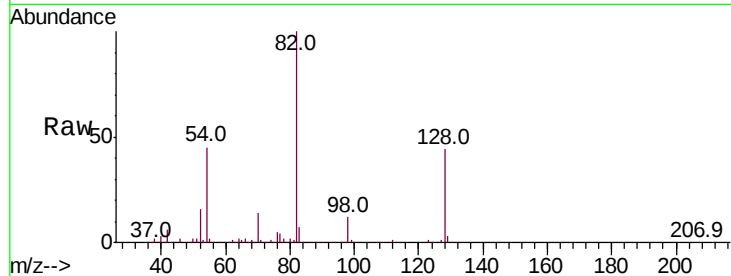
#23
 Nitrobenzene-d5
 Concen: 83.022 ng
 RT: 7.42 min Scan# 906
 Delta R.T. 0.00 min
 Lab File: BF115972.D
 Acq: 3 Aug 2019 11:04

Instrument :
 BNA_F
 ClientSampleId :
 PB121947BSD

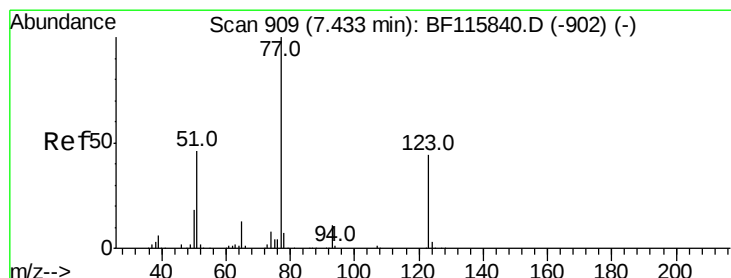
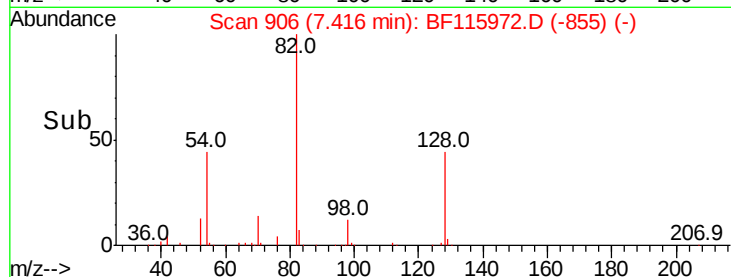
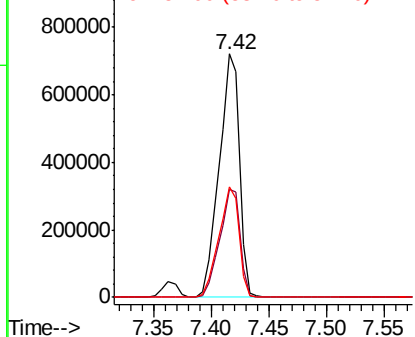
Tot Ion	Ratio	Lower	Upper
82	100		
128	44.3	36.6	55.0
54	45.3	36.6	55.0

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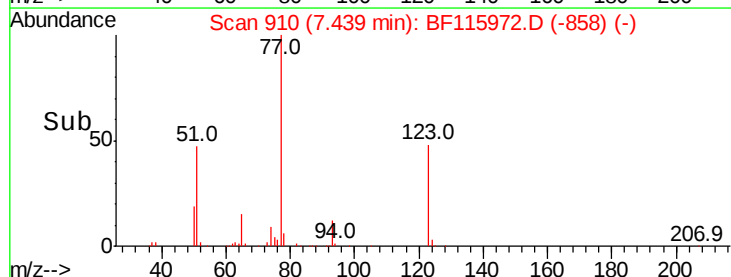
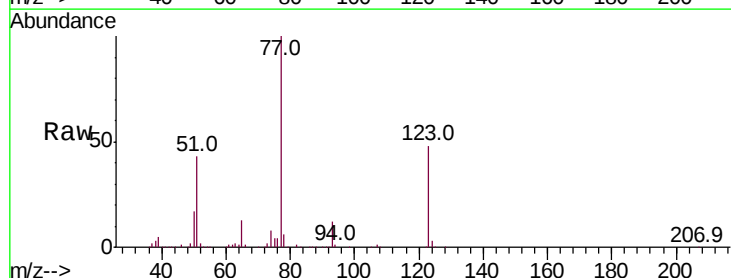
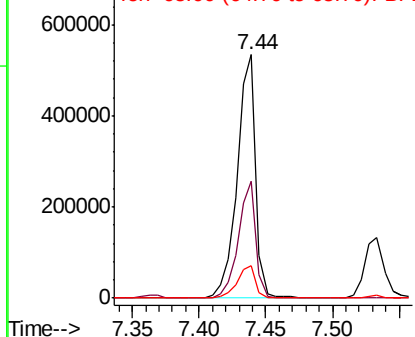
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

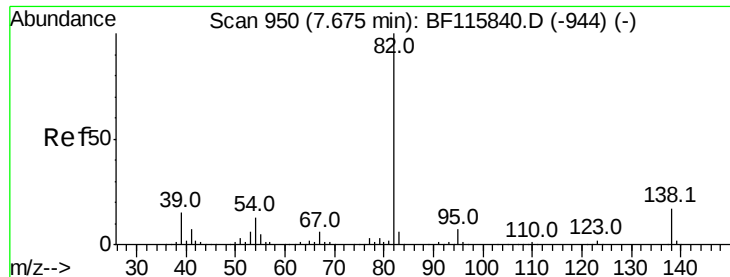


#24
 Nitrobenzene
 Concen: 45.151 ng
 RT: 7.44 min Scan# 910
 Delta R.T. 0.01 min
 Lab File: BF115972.D
 Acq: 3 Aug 2019 11:04

Tgt Ion	Ratio	Lower	Upper
77	100		
123	48.0	35.5	53.3
65	13.4	10.6	15.8

Abundance Ion 77.00 (76.70 to 77.70): BF1
 Ion 123.00 (122.70 to 123.70): BF1
 Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 46.121 ng

RT: 7.67 min Scan# 950

Delta R.T. 0.00 min

Lab File: BF115972.D

Acq: 3 Aug 2019 11:04

Instrument :

BNA_F

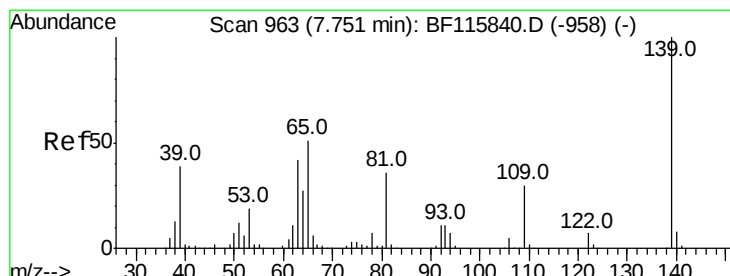
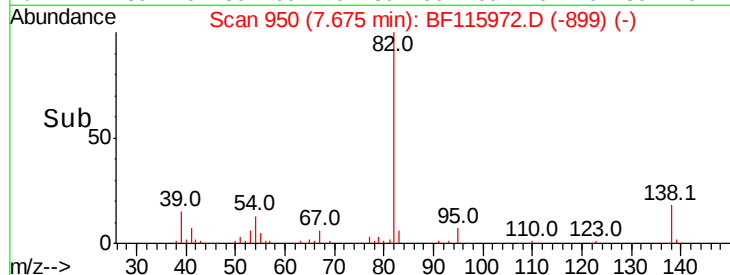
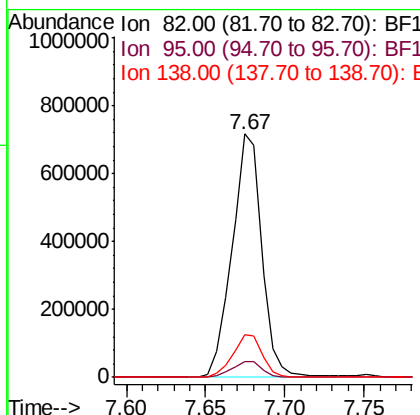
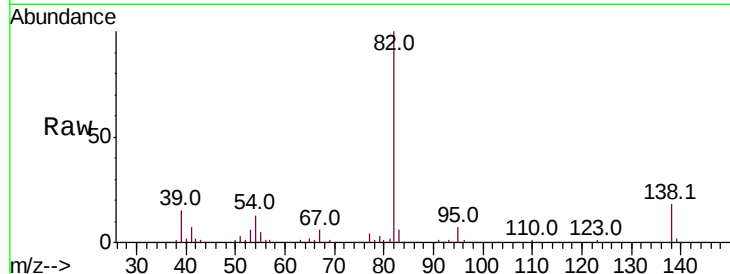
ClientSampleId :

PB121947BSD

Tot Ion:	82	Resp:	931954
Ion Ratio	Lower	Upper	
82	100		
95	6.7	5.5	8.3
138	17.6	13.9	20.9

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#26

2-Nitrophenol

Concen: 47.654 ng

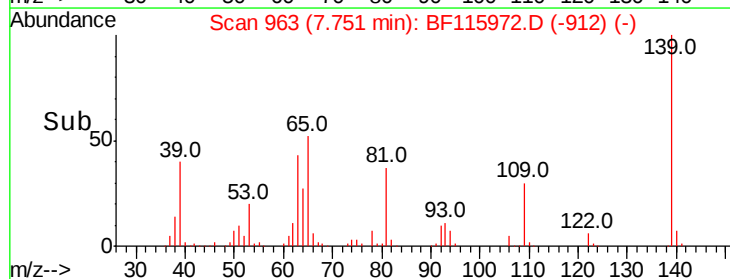
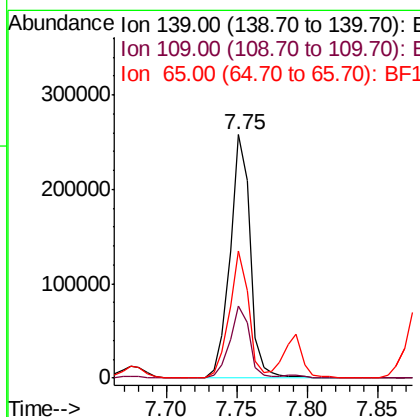
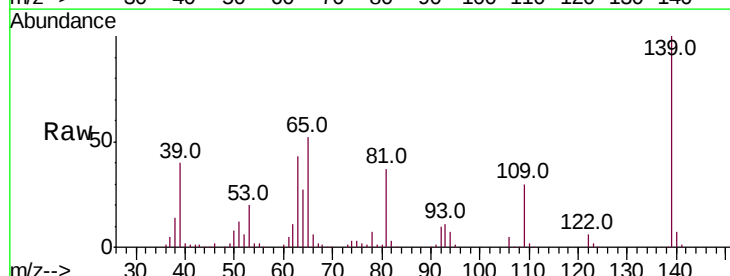
RT: 7.75 min Scan# 963

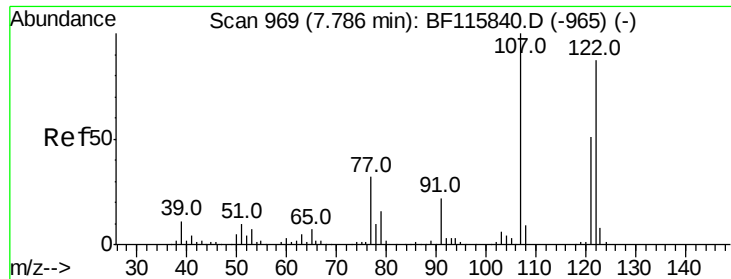
Delta R.T. 0.00 min

Lab File: BF115972.D

Acq: 3 Aug 2019 11:04

Tgt Ion:	139	Resp:	256317
Ion Ratio	Lower	Upper	
139	100		
109	29.6	23.6	35.4
65	52.2	40.6	60.8





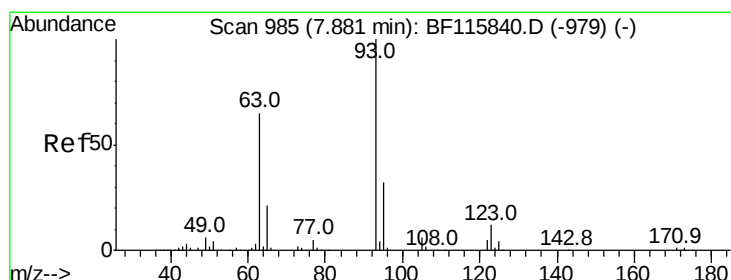
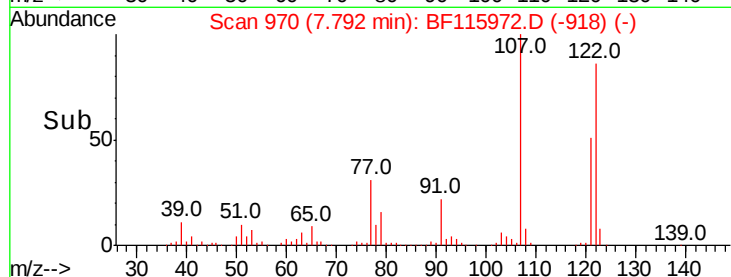
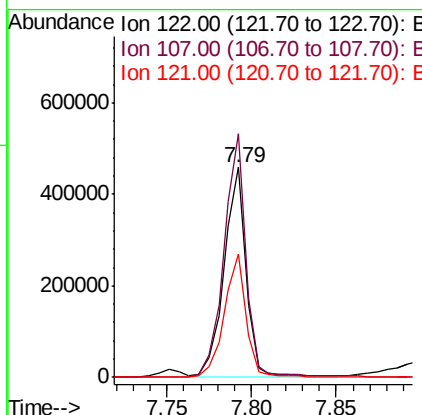
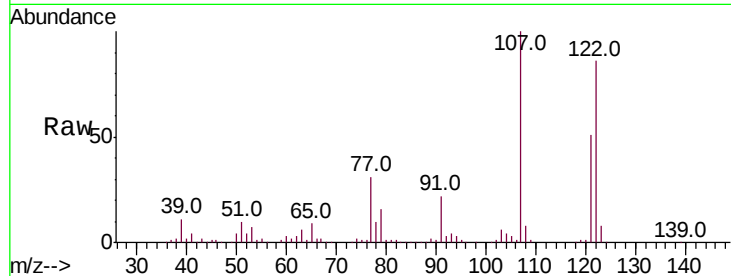
#27
2,4-Dimethylphenol
Concen: 51.580 ng
RT: 7.79 min Scan# 970
Delta R.T. 0.01 min
Lab File: BF115972.D
Acq: 3 Aug 2019 11:04

Instrument :
BNA_F
ClientSampleId :
PB121947BSD

Tot Ion	Ratio	Resp	Lower	Upper
122	100	417392		
107	116.1	91.7	137.5	
121	58.8	46.6	70.0	

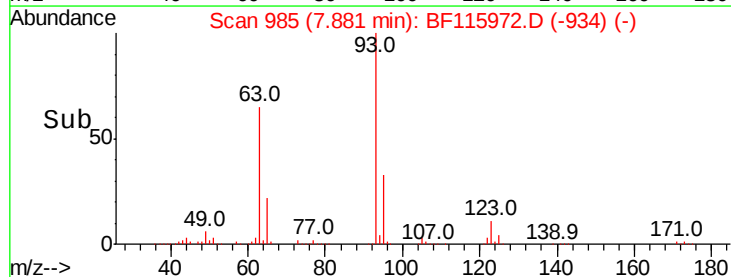
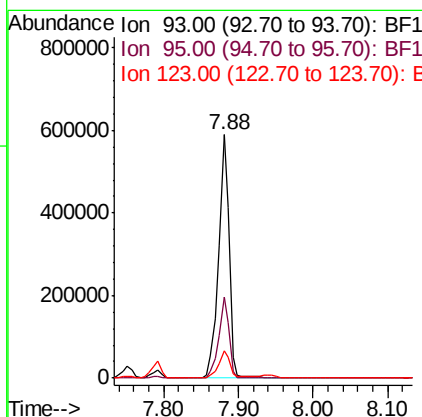
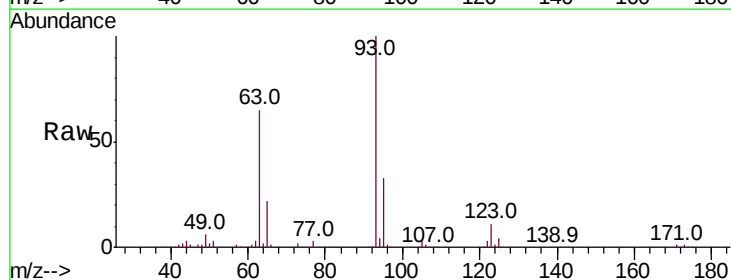
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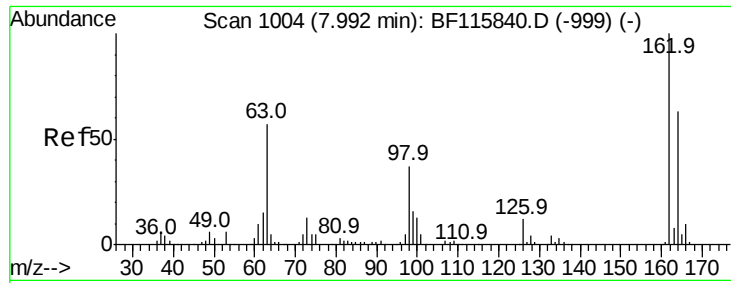
mohammad
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#28
bis(2-Chloroethoxy)methane
Concen: 45.557 ng
RT: 7.88 min Scan# 985
Delta R.T. 0.00 min
Lab File: BF115972.D
Acq: 3 Aug 2019 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	570582		
95	33.4	26.0	39.0	
123	11.5	9.5	14.3	





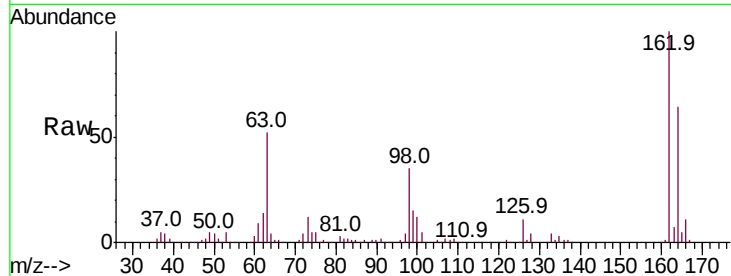
#29
 2,4-Dichlorophenol
 Concen: 46.991 ng
 RT: 8.00 min Scan# 1005
 Delta R.T. 0.01 min
 Lab File: BF115972.D
 Acq: 3 Aug 2019 11:04

Instrument :
 BNA_F
 ClientSampleId :
 PB121947BSD

Tot Ion	Ratio	Resp Lower	Upper
162	100		
164	64.3	43.2	83.2
98	35.1	17.3	57.3

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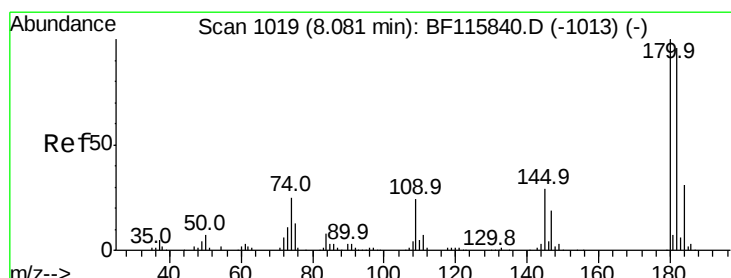
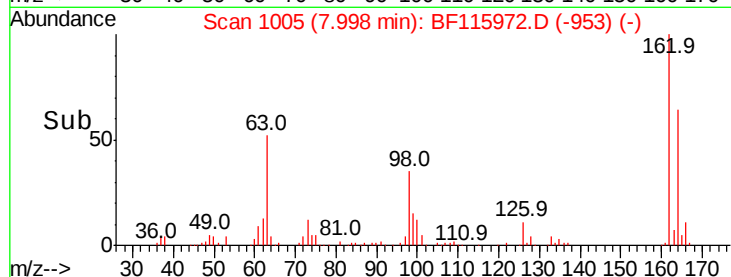
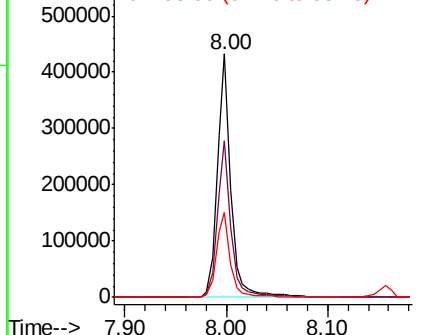


Abundance

Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
 1,2,4-Trichlorobenzene
 Concen: 44.139 ng
 RT: 8.08 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: BF115972.D
 Acq: 3 Aug 2019 11:04

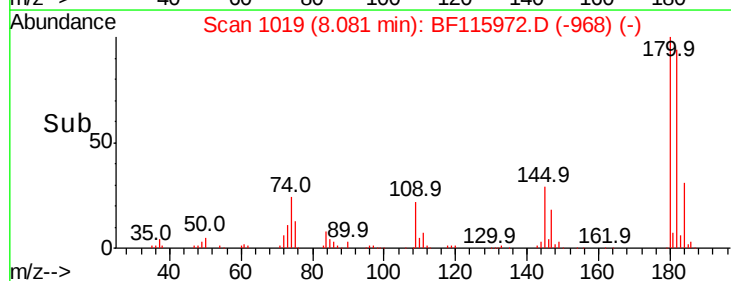
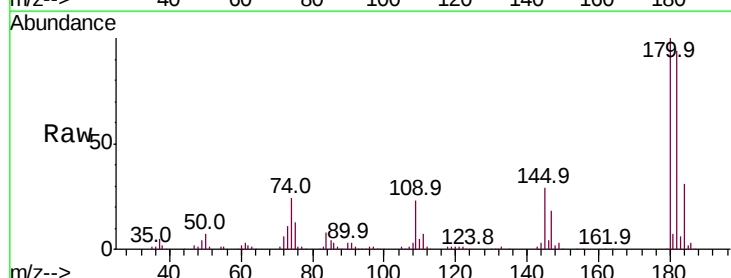
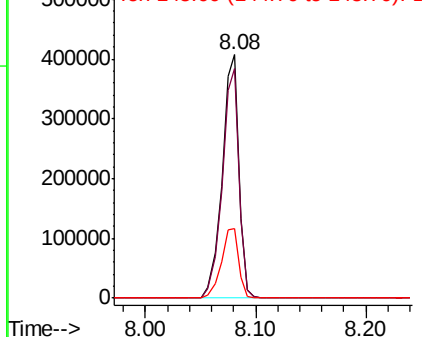
Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	94.1	76.6	114.8
145	28.7	23.2	34.8

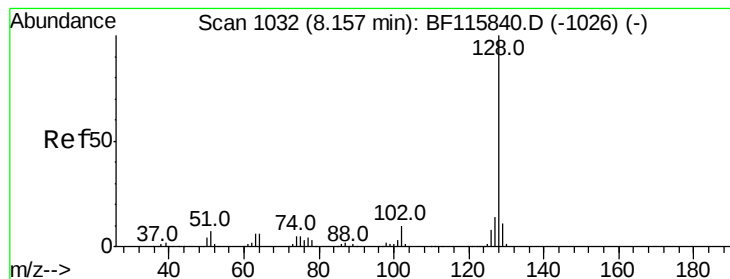
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 45.482 ng

RT: 8.16 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BF115972.D

Acq: 3 Aug 2019 11:04

Instrument :

BNA_F

ClientSampleId :

PB121947BSD

Tot Ion:128 Resp: 1305561

Ion Ratio Lower Upper

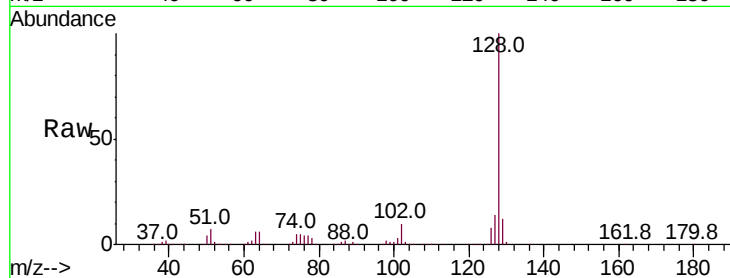
128 100

129 11.5 9.2 13.8

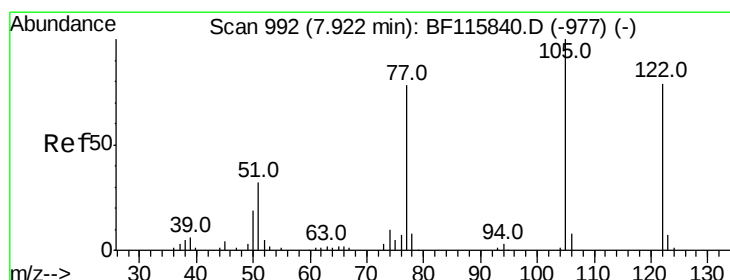
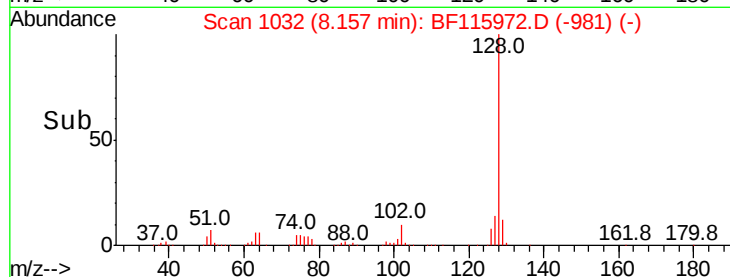
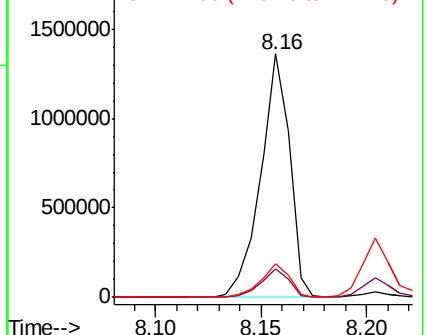
127 14.0 11.0 16.4

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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: 45.420 ng

RT: 7.95 min Scan# 996

Delta R.T. 0.02 min

Lab File: BF115972.D

Acq: 3 Aug 2019 11:04

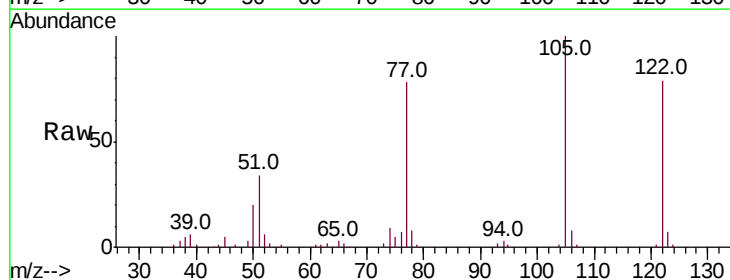
Tgt Ion:122 Resp: 259129

Ion Ratio Lower Upper

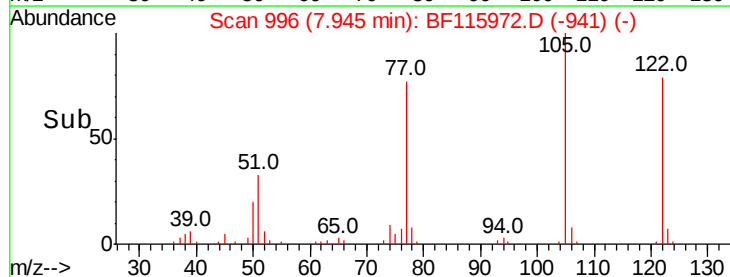
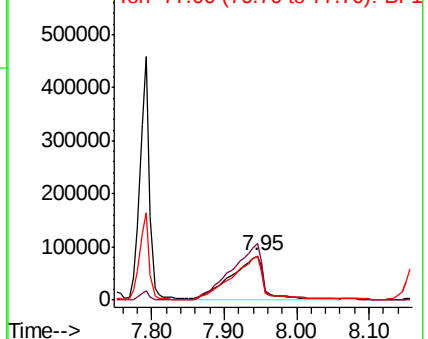
122 100

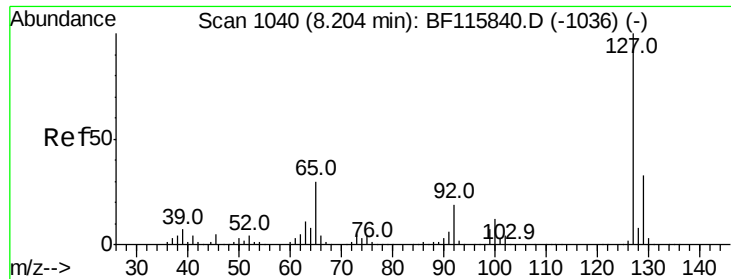
105 127.1 103.1 143.1

77 99.6 76.8 116.8



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





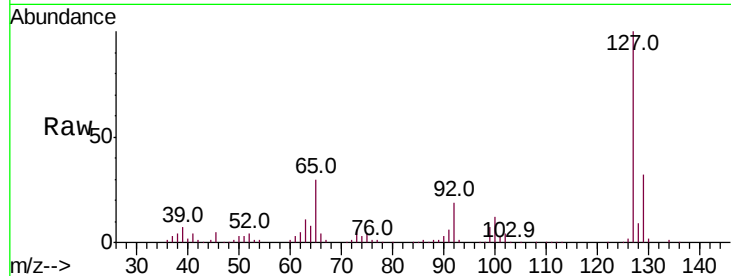
#33
4-Chloroaniline
Concen: 28.396 ng
RT: 8.20 min Scan# 1040
Delta R.T. 0.00 min
Lab File: BF115972.D
Acq: 3 Aug 2019 11:04

Instrument :
BNA_F
ClientSampleId :
PB121947BSD

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	32.2	26.0	39.0	
65	30.3	23.9	35.9	
92	19.1	14.9	22.3	

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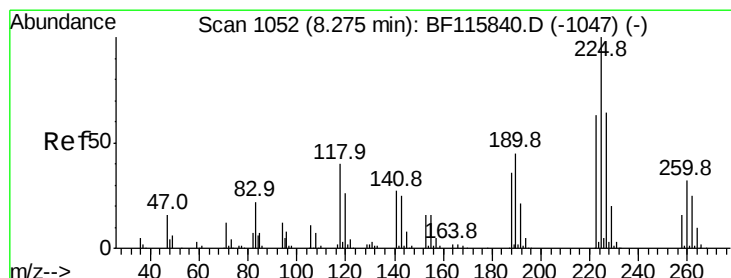
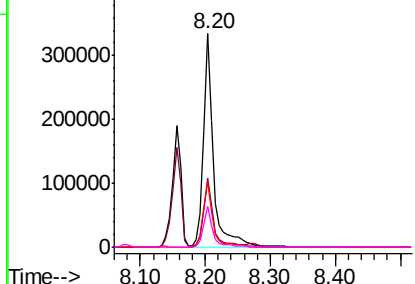
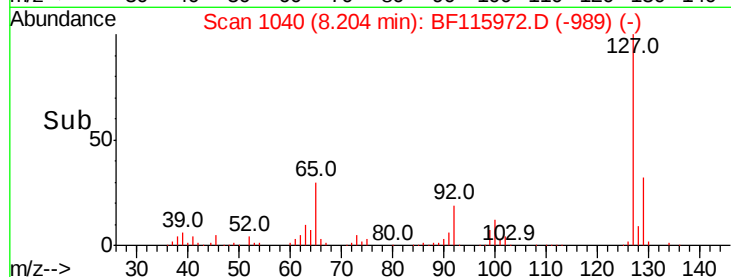
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

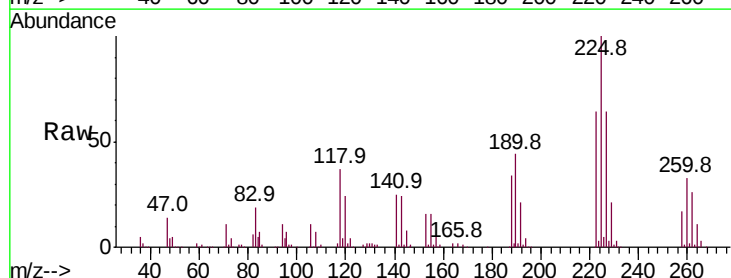
Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



#34
Hexachlorobutadiene
Concen: 42.292 ng
RT: 8.27 min Scan# 1052
Delta R.T. 0.00 min
Lab File: BF115972.D
Acq: 3 Aug 2019 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.0	50.4	75.6	
227	64.0	51.6	77.4	

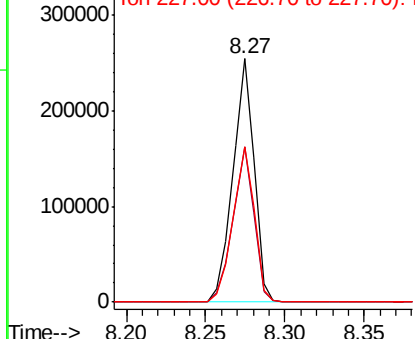
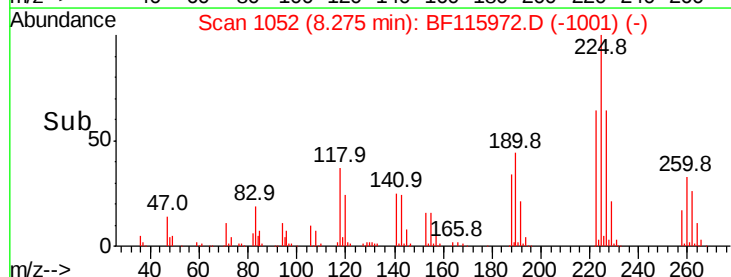


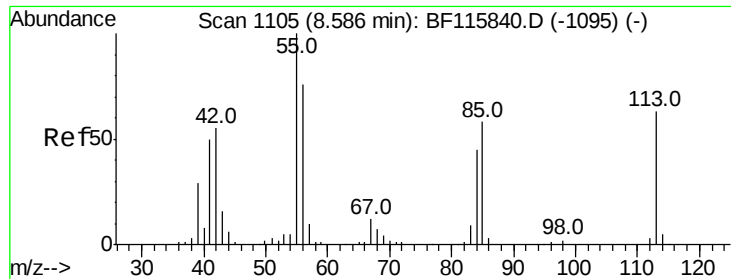
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 44.914 ng/mL

RT: 8.59 min Scan# 1106

Delta R.T. 0.01 min

Lab File: BF115972.D

Acq: 3 Aug 2019 11:04

Instrument :

BNA_F

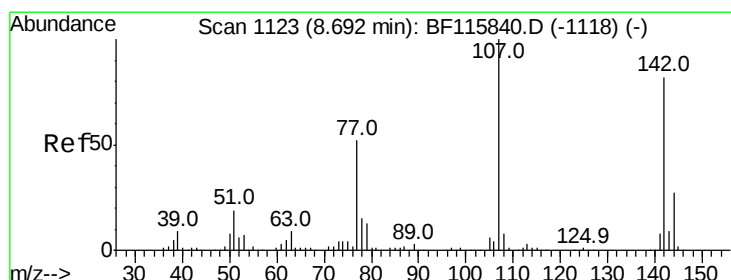
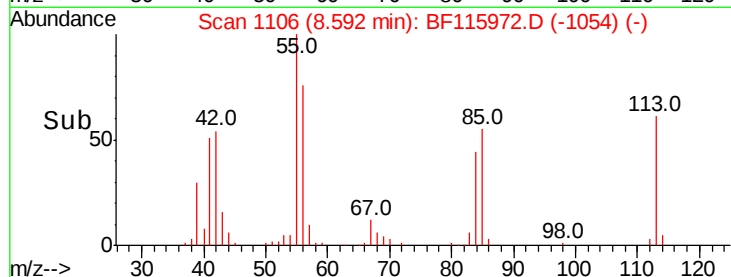
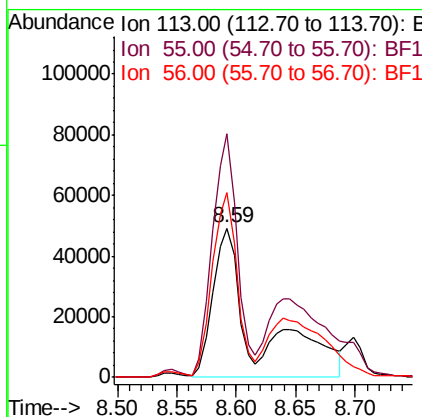
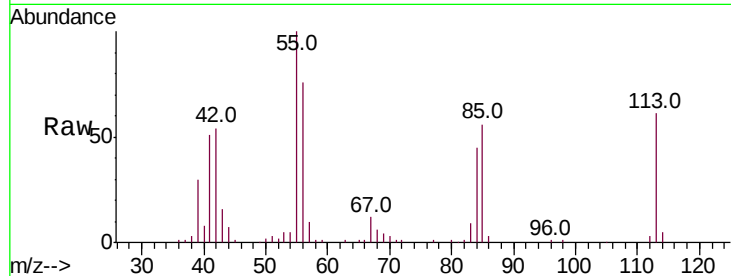
ClientSampleID :

PB121947BSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
113	100		124117		
55	163.0	138.1	178.1		
56	123.6	100.6	140.6		

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#36

4-Chloro-3-methylphenol

Concen: 48.367 ng/mL

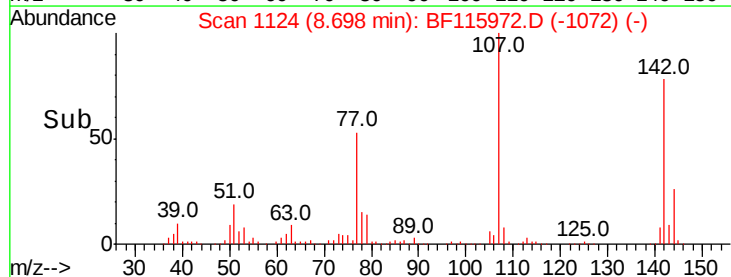
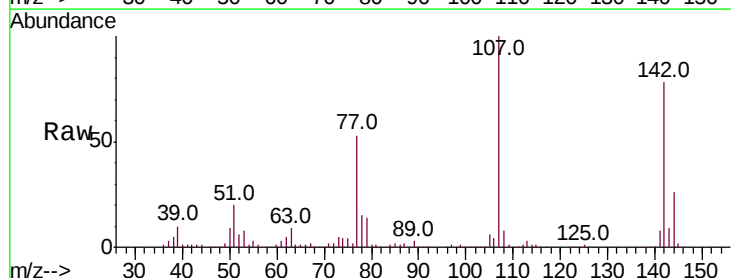
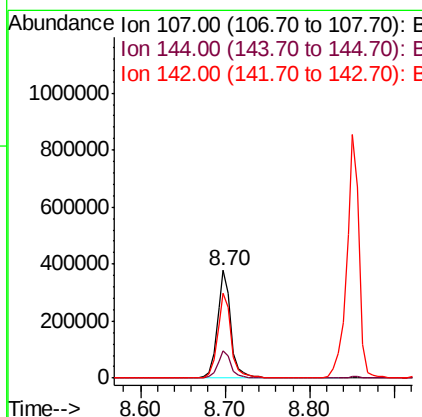
RT: 8.70 min Scan# 1124

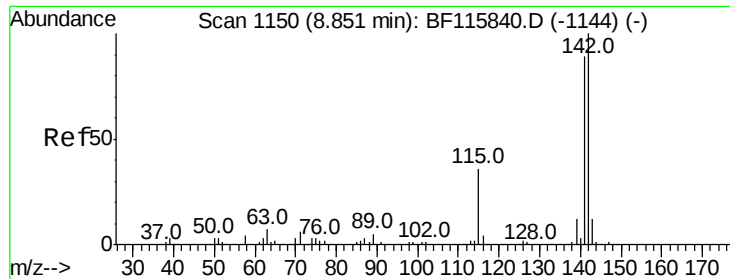
Delta R.T. 0.01 min

Lab File: BF115972.D

Acq: 3 Aug 2019 11:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		429920		
144	25.6	21.4	32.0		
142	78.4	65.5	98.3		





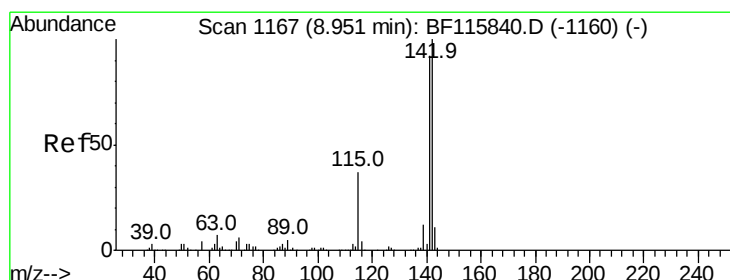
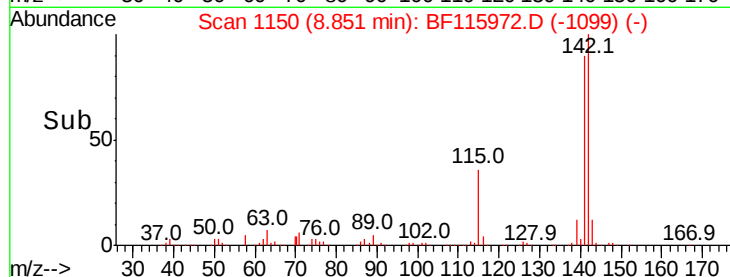
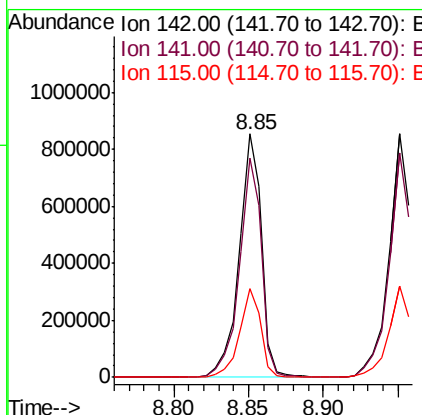
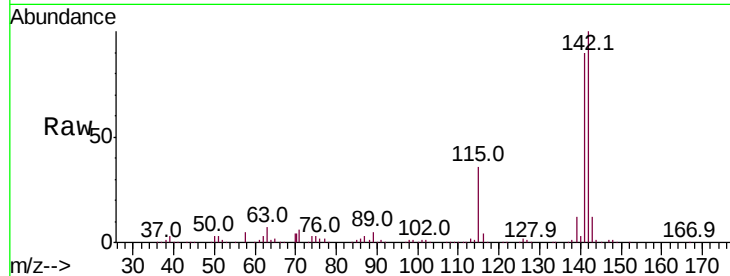
#37
2-Methylnaphthalene
Concen: 46.862 ng
RT: 8.85 min Scan# 1150
Delta R.T. 0.00 min
Lab File: BF115972.D
Acq: 3 Aug 2019 11:04

Instrument :
BNA_F
ClientSampleId :
PB121947BSD

Tot Ion	Ratio	Resp	Lower	Upper
142	100	885916		
141	90.0	71.4	107.2	
115	36.4	28.9	43.3	

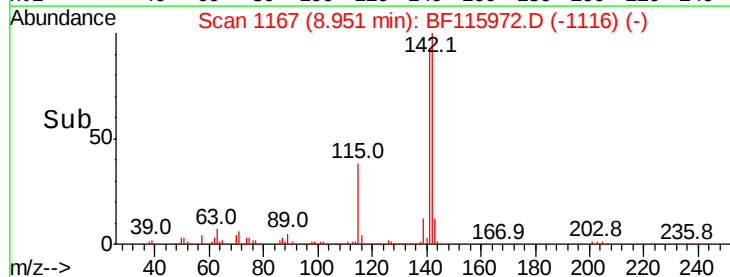
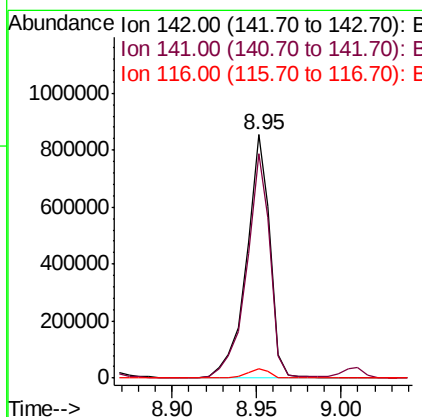
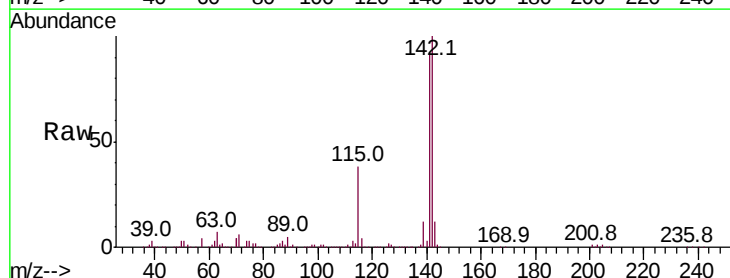
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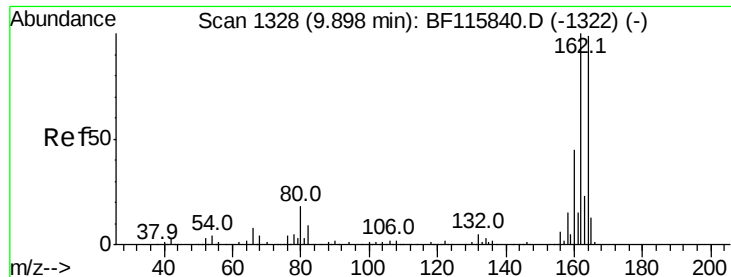
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#38
1-Methylnaphthalene
Concen: 46.126 ng
RT: 8.95 min Scan# 1167
Delta R.T. 0.00 min
Lab File: BF115972.D
Acq: 3 Aug 2019 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	824938		
141	92.0	73.8	110.6	
116	3.9	3.1	4.7	





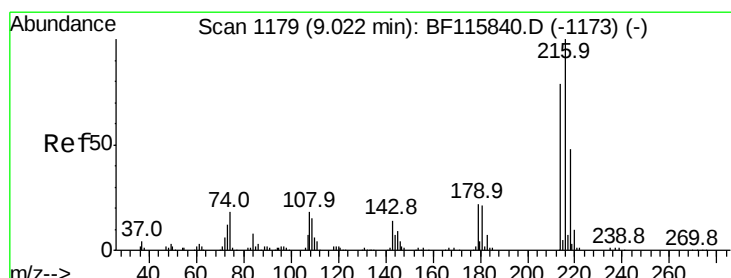
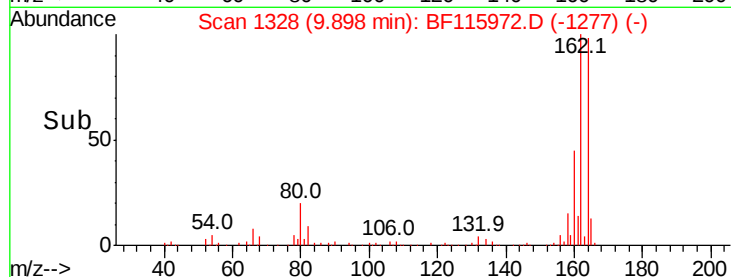
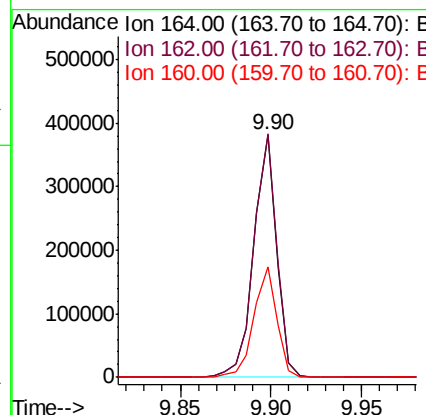
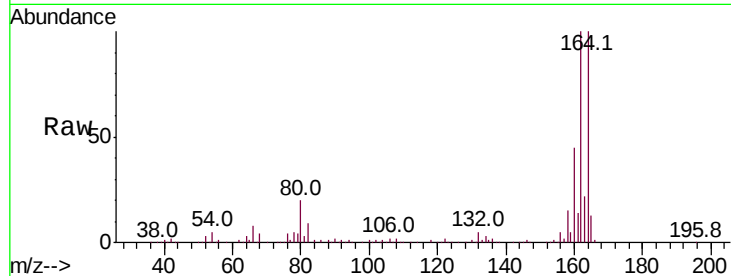
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. 0.00 min
 Lab File: BF115972.D
 Acq: 3 Aug 2019 11:04

Instrument :
 BNA_F
 ClientSampleId :
 PB121947BSD

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.3	80.8	121.2	
160	45.6	36.2	54.4	

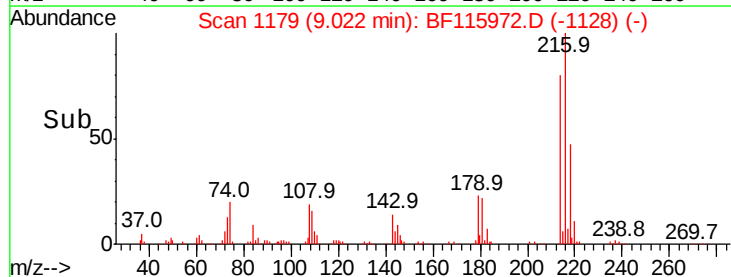
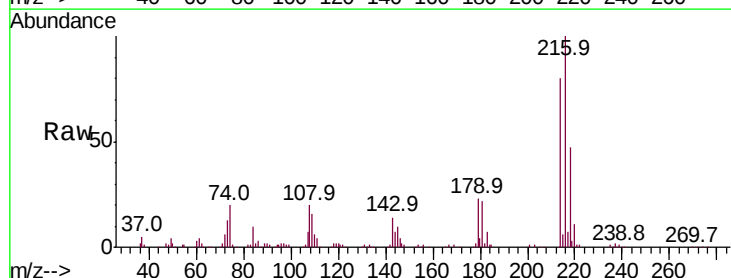
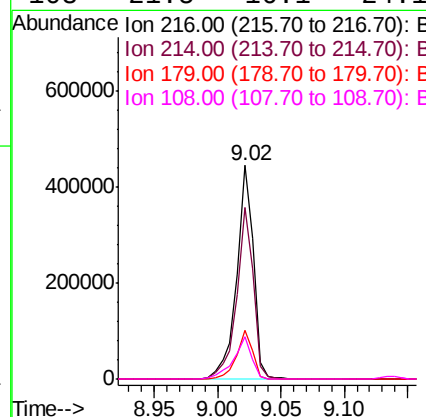
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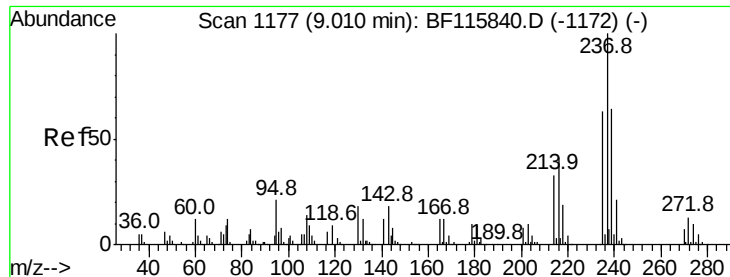
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#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 45.157 ng
 RT: 9.02 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: BF115972.D
 Acq: 3 Aug 2019 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	79.6	62.8	94.2	
179	22.1	17.6	26.4	
108	21.5	16.1	24.1	





#41

Hexachlorocyclopentadiene

Concen: 67.900 ng

RT: 9.01 min Scan# 1177

Delta R.T. 0.00 min

Lab File: BF115972.D

Acq: 3 Aug 2019 11:04

Instrument :

BNA_F

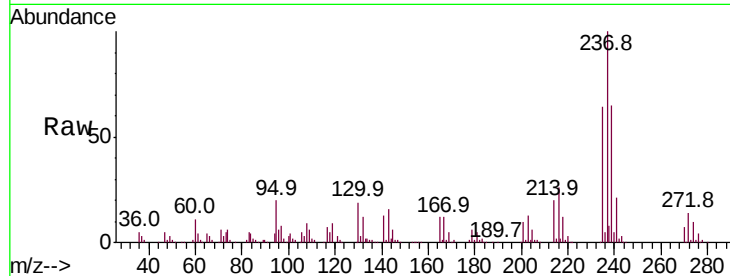
ClientSampleId :

PB121947BSD

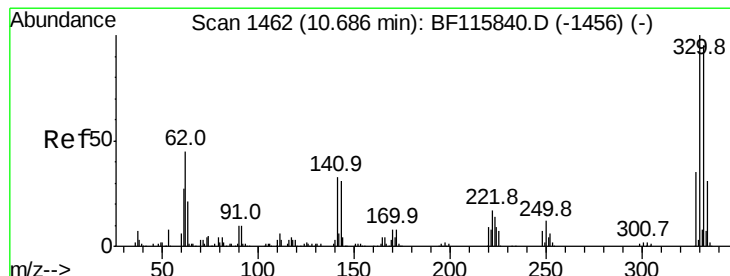
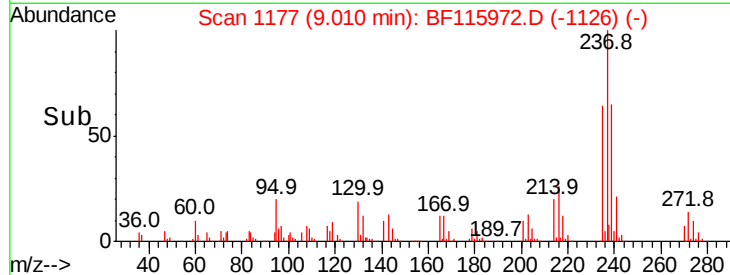
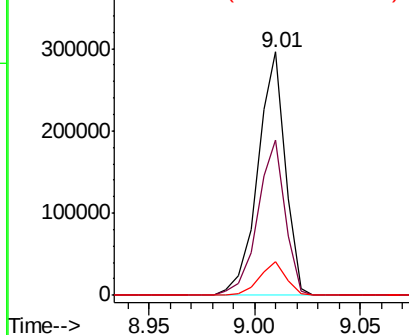
Tot Ion:	237	Resp:	267919
Ion Ratio	Lower	Upper	
237	100		
235	63.9	42.5	82.5
272	13.6	0.0	33.3

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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: 117.462 ng

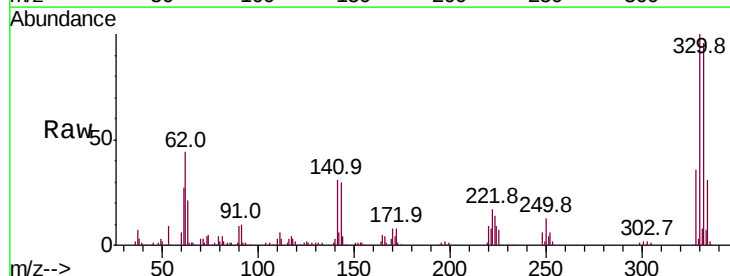
RT: 10.69 min Scan# 1463

Delta R.T. 0.01 min

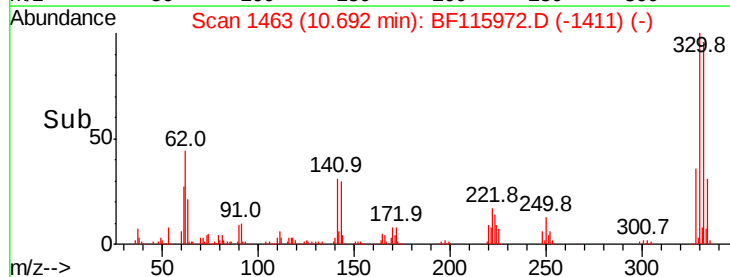
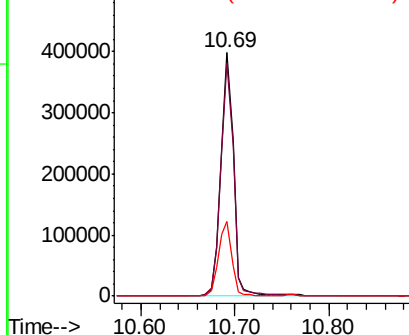
Lab File: BF115972.D

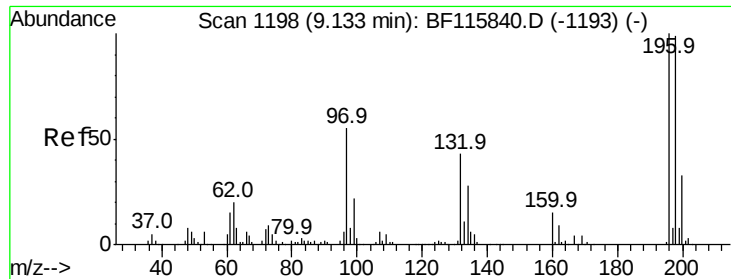
Acq: 3 Aug 2019 11:04

Tgt Ion:	330	Resp:	379823
Ion Ratio	Lower	Upper	
330	100		
332	96.7	77.7	116.5
141	32.5	28.1	42.1



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





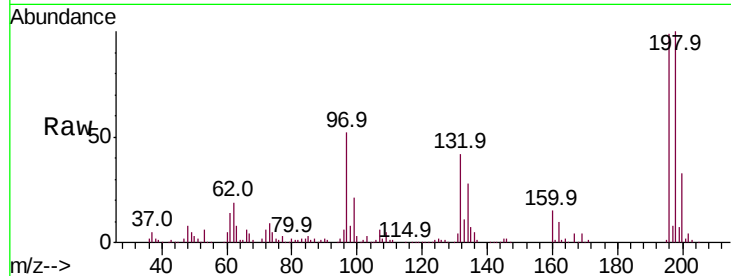
#43
 2,4,6-Trichlorophenol
 Concen: 43.755 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. 0.01 min
 Lab File: BF115972.D
 Acq: 3 Aug 2019 11:04

Instrument :
 BNA_F
 ClientSampleId :
 PB121947BSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	268535		
198	100.9	79.1	118.7	
200	32.9	26.0	39.0	

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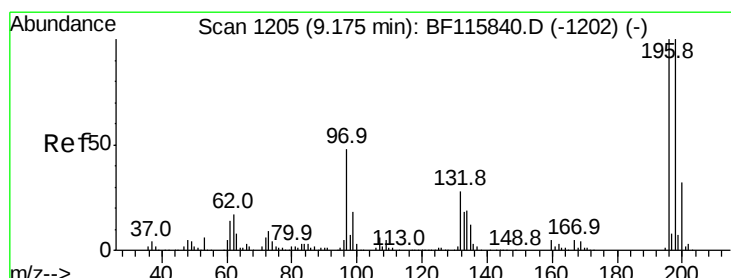
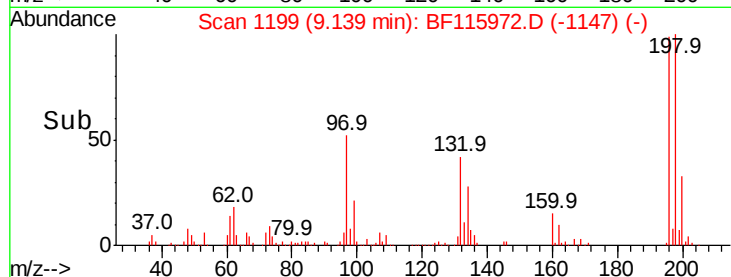
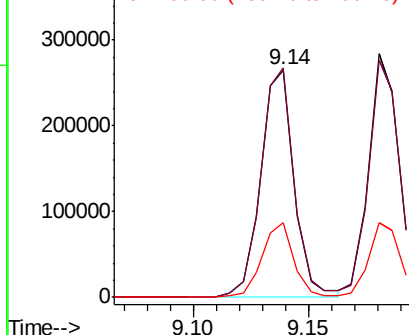


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44
 2,4,5-Trichlorophenol
 Concen: 45.083 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: BF115972.D
 Acq: 3 Aug 2019 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	286008		
198	97.3	80.1	120.1	
97	55.0	38.9	58.3	
132	30.6	22.6	33.8	

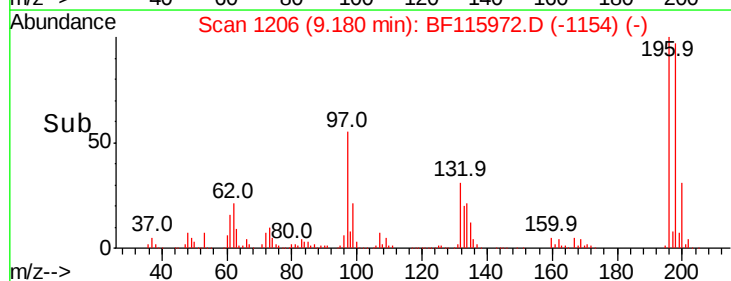
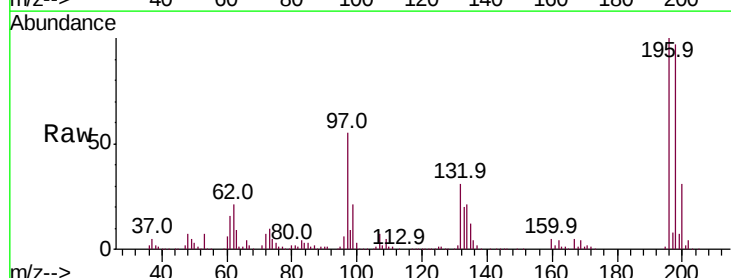
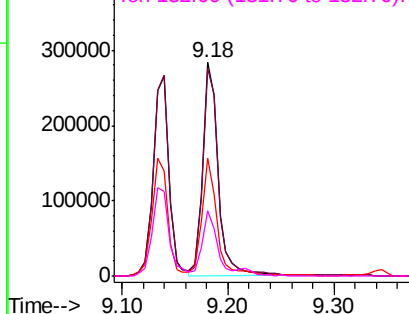
Abundance

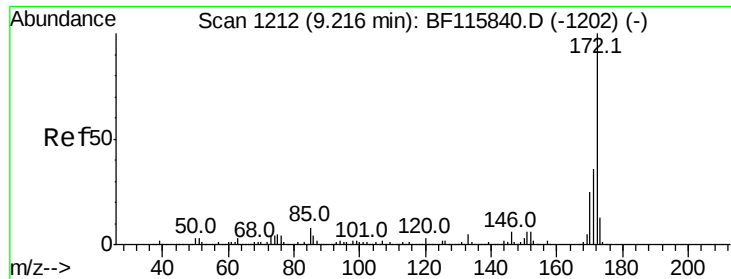
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E





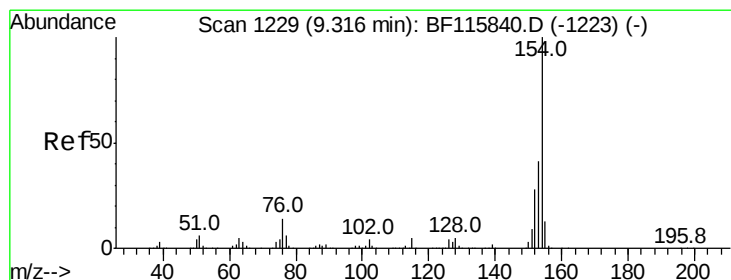
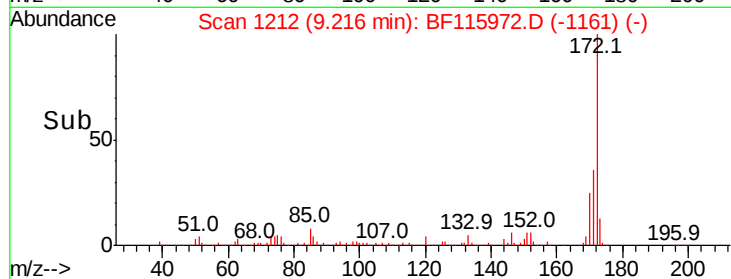
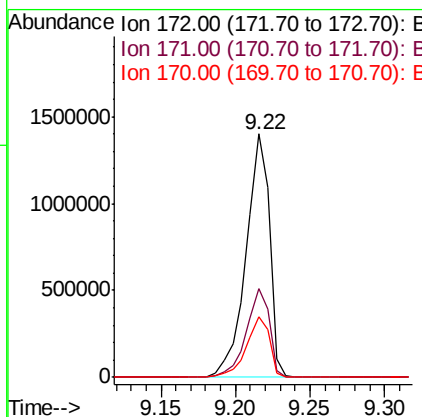
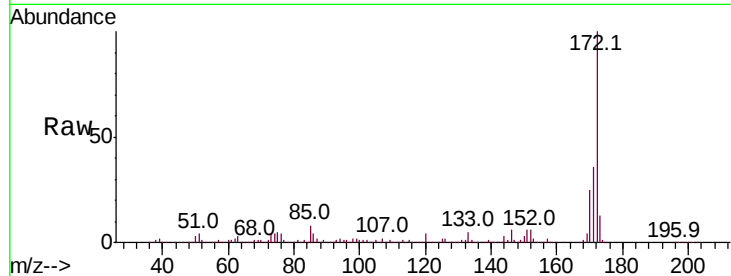
#45
2-Fluorobiphenyl
Concen: 85.342 ng
RT: 9.22 min Scan# 1212
Delta R.T. 0.00 min
Lab File: BF115972.D
Acq: 3 Aug 2019 11:04

Instrument :
BNA_F
ClientSampleId :
PB121947BSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.1	43.7
170	24.9	20.1	30.1

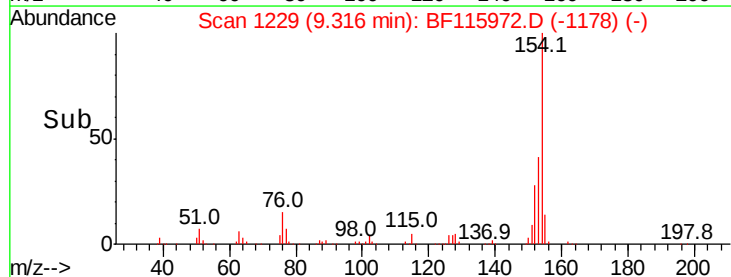
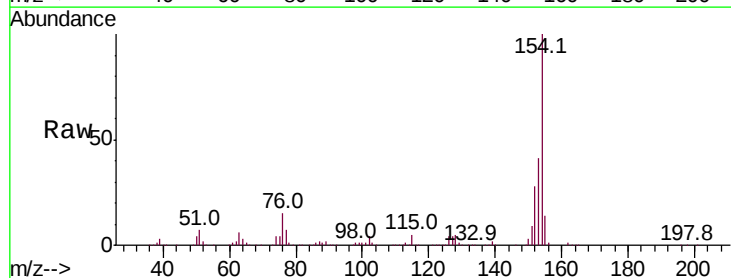
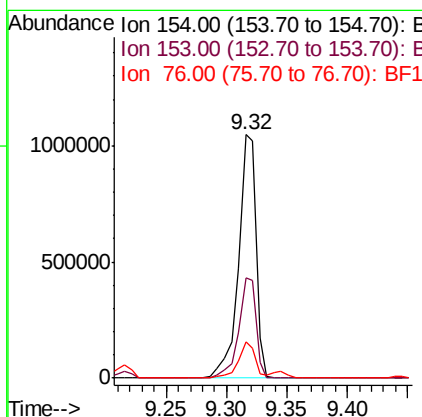
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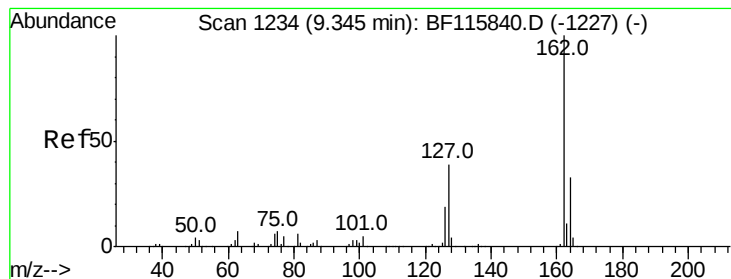
mohammad
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#46
1,1'-Biphenyl
Concen: 45.319 ng
RT: 9.32 min Scan# 1229
Delta R.T. 0.00 min
Lab File: BF115972.D
Acq: 3 Aug 2019 11:04

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.0	20.9	60.9
76	15.1	0.0	34.3





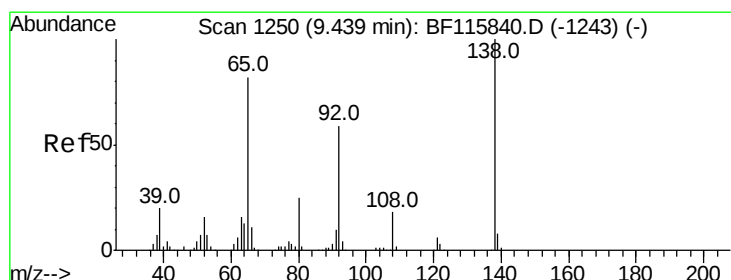
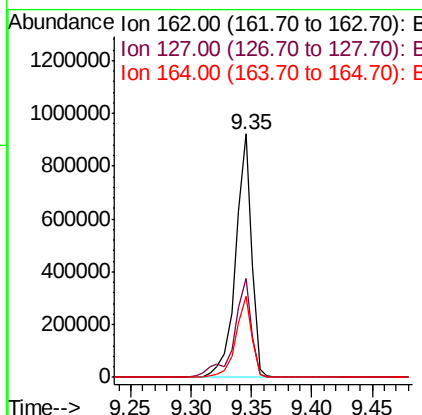
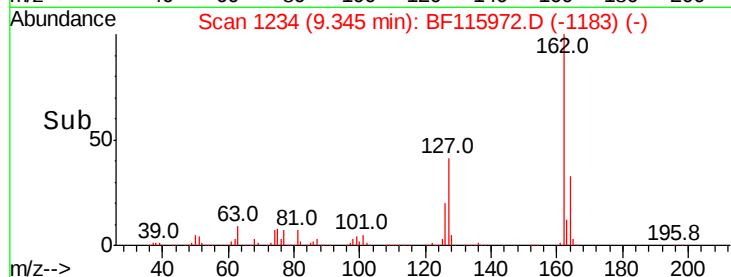
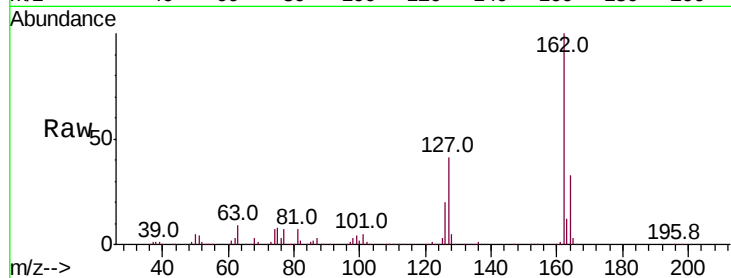
#47
 2-Chloronaphthalene
 Concen: 43.172 ng
 RT: 9.35 min Scan# 1234
 Delta R.T. 0.00 min
 Lab File: BF115972.D
 Acq: 3 Aug 2019 11:04

Instrument :
 BNA_F
 ClientSampleId :
 PB121947BSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100			
127	40.5	31.3	46.9	
164	33.3	26.6	40.0	

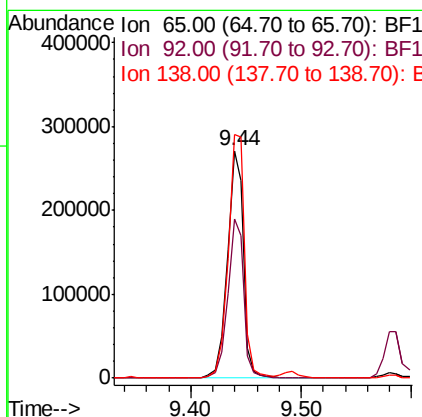
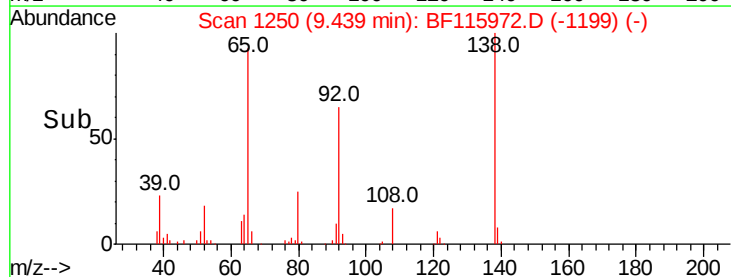
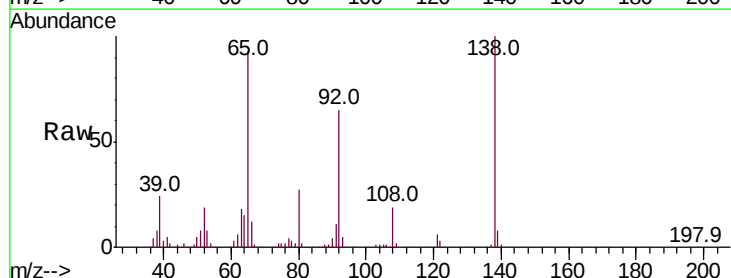
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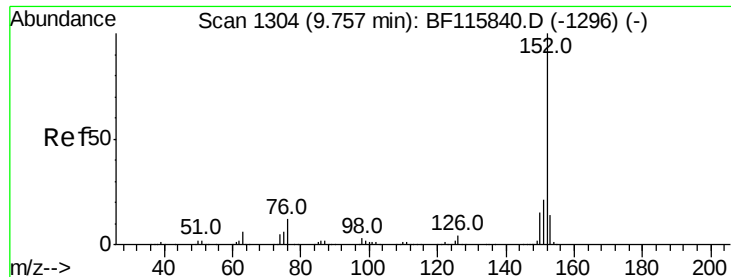
mohammad
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#48
 2-Nitroaniline
 Concen: 42.686 ng
 RT: 9.44 min Scan# 1250
 Delta R.T. 0.00 min
 Lab File: BF115972.D
 Acq: 3 Aug 2019 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
65	100			
92	70.1	57.1	85.7	
138	107.1	97.1	145.7	





#49

Acenaphthylene

Concen: 45.268 ng

RT: 9.76 min Scan# 1304

Delta R.T. 0.00 min

Lab File: BF115972.D

Acq: 3 Aug 2019 11:04

Instrument :

BNA_F

ClientSampleId :

PB121947BSD

Tot Ion:152 Resp: 1294267

Ion Ratio Lower Upper

152 100

151 21.1 16.8 25.2

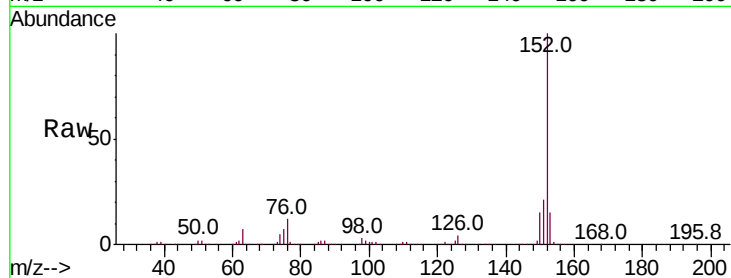
153 14.6 11.6 17.4

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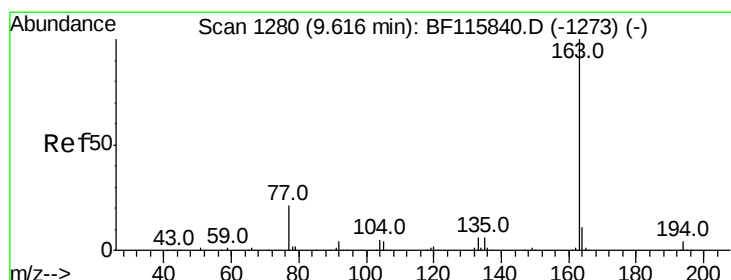
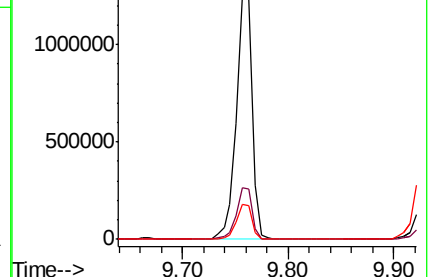
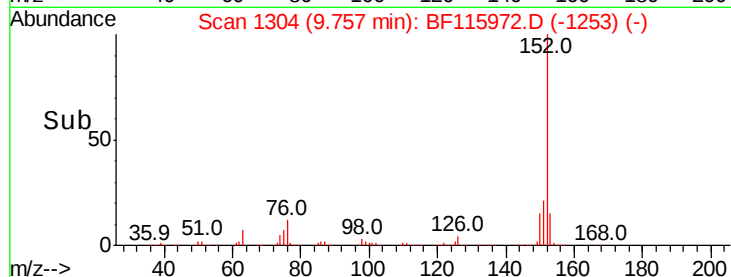
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 44.812 ng

RT: 9.62 min Scan# 1281

Delta R.T. 0.01 min

Lab File: BF115972.D

Acq: 3 Aug 2019 11:04

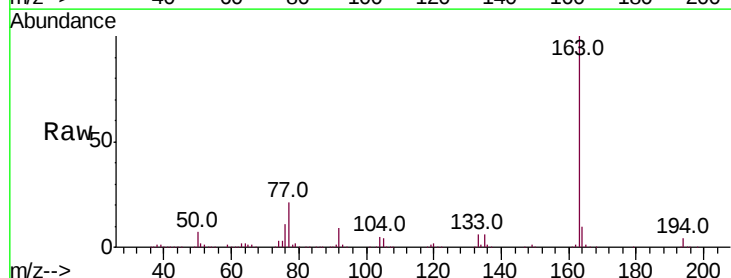
Tgt Ion:163 Resp: 1017643

Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

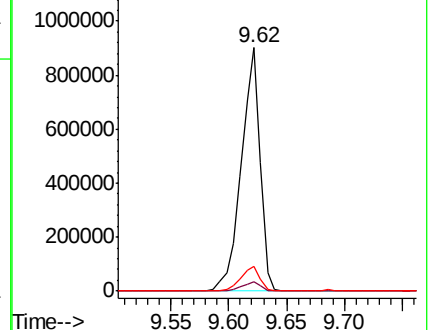
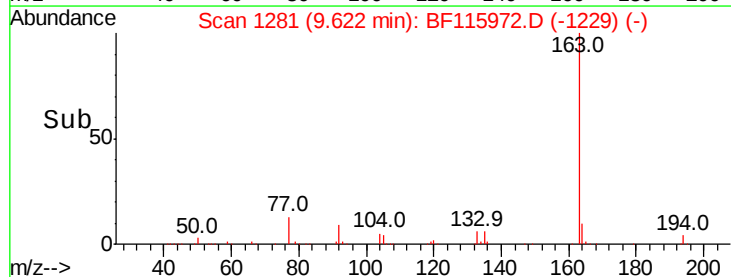
164 10.0 8.4 12.6

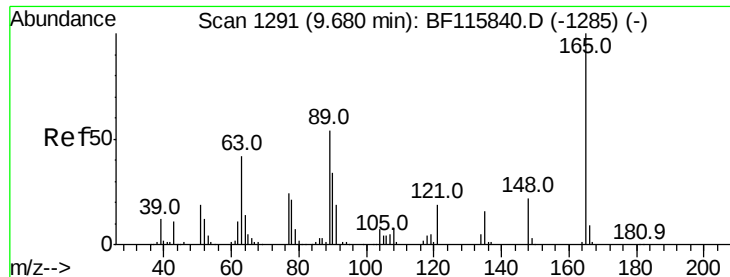


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 46.089 ng

RT: 9.69 min Scan# 1292

Delta R.T. 0.01 min

Lab File: BF115972.D

Acq: 3 Aug 2019 11:04

Instrument :

BNA_F

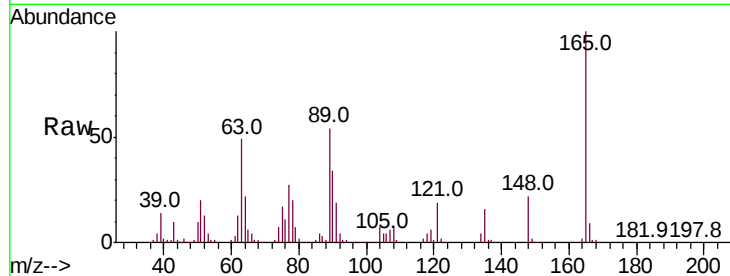
ClientSampleId :

PB121947BSD

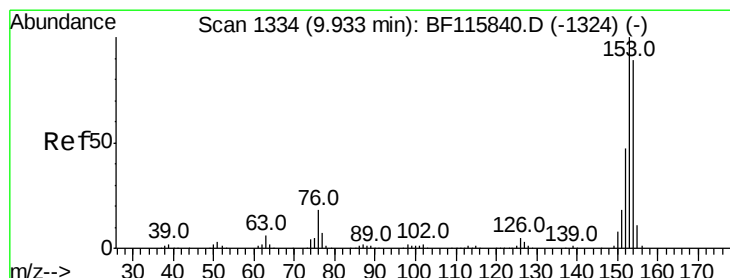
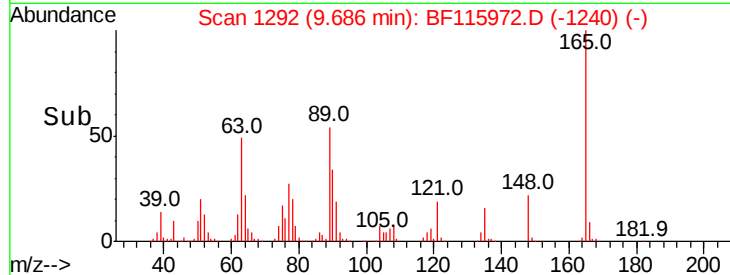
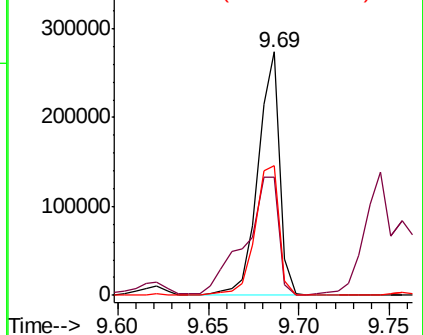
Tot Ion:	165	Resp:	227454
Ion Ratio	Lower	Upper	
165	100		
63	48.7	39.4	59.2
89	53.5	43.0	64.6

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Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 43.822 ng

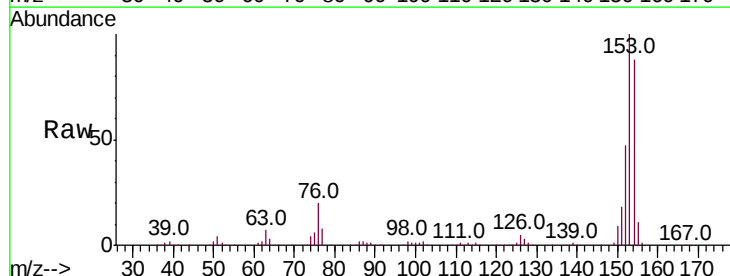
RT: 9.93 min Scan# 1334

Delta R.T. 0.00 min

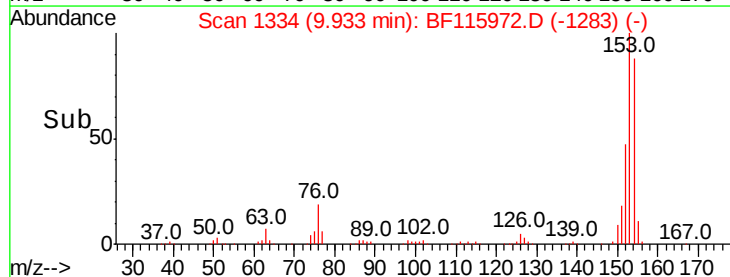
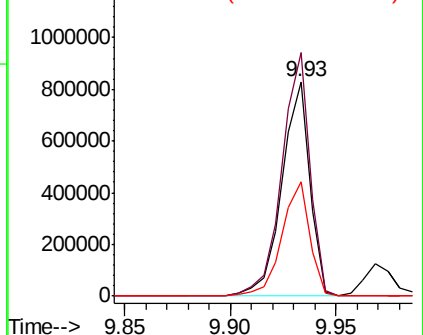
Lab File: BF115972.D

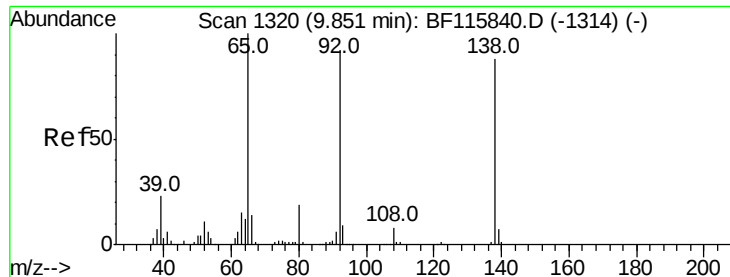
Acq: 3 Aug 2019 11:04

Tgt Ion:	154	Resp:	768655
Ion Ratio	Lower	Upper	
154	100		
153	113.6	90.1	135.1
152	53.6	42.6	63.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





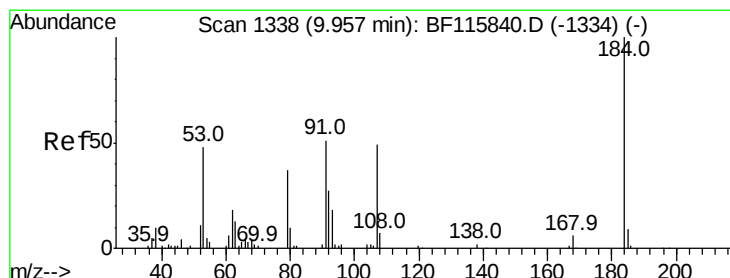
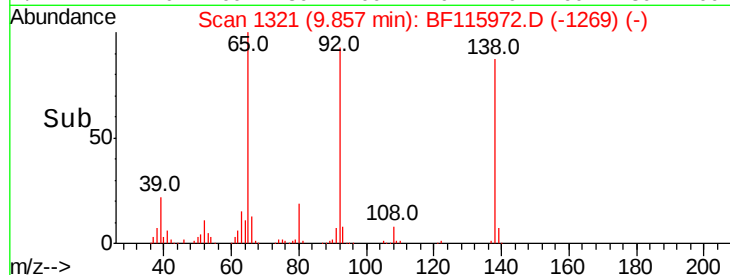
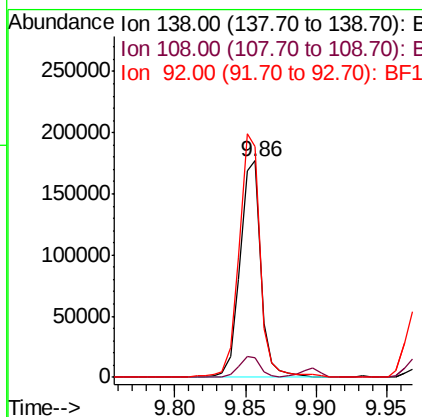
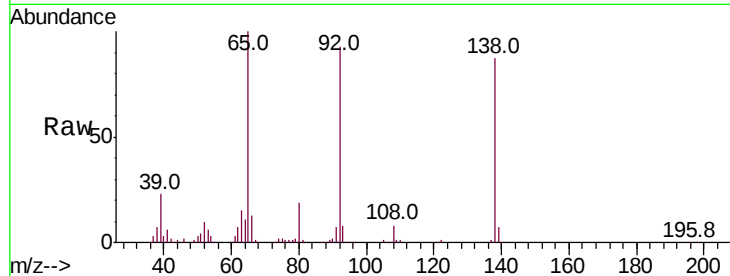
#53
3-Nitroaniline
Concen: 30.074 ng
RT: 9.86 min Scan# 1321
Delta R.T. 0.01 min
Lab File: BF115972.D
Acq: 3 Aug 2019 11:04

Instrument :
BNA_F
ClientSampleId :
PB121947BSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	9.4	7.4	11.2
92	107.1	83.9	125.9

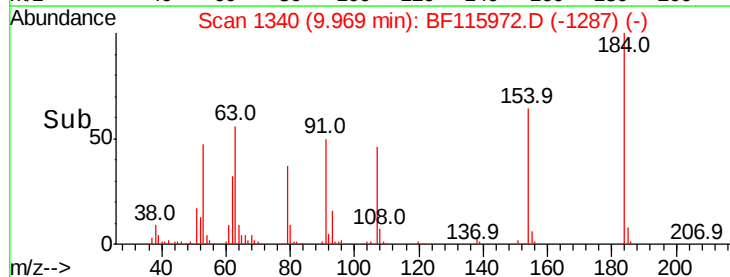
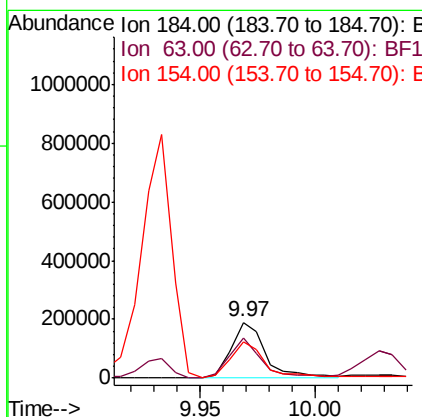
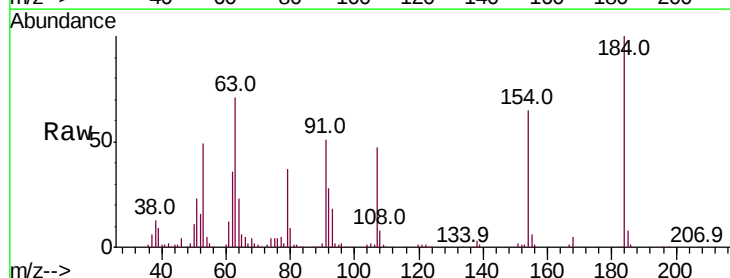
Manual Integrations
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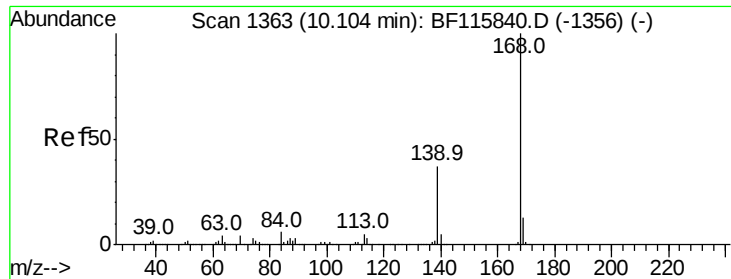
mohammad
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#54
2,4-Dinitrophenol
Concen: 79.403 ng
RT: 9.97 min Scan# 1340
Delta R.T. 0.01 min
Lab File: BF115972.D
Acq: 3 Aug 2019 11:04

Tgt Ion	Ratio	Lower	Upper
184	100		
63	71.1	56.7	85.1
154	64.6	51.9	77.9





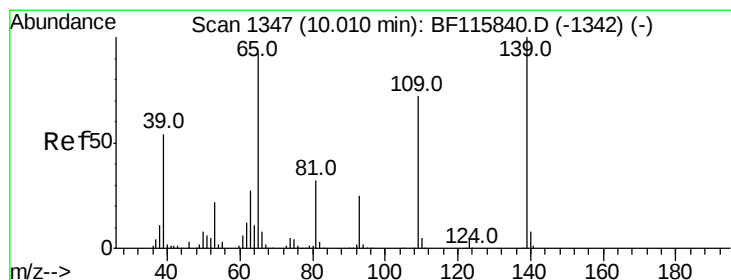
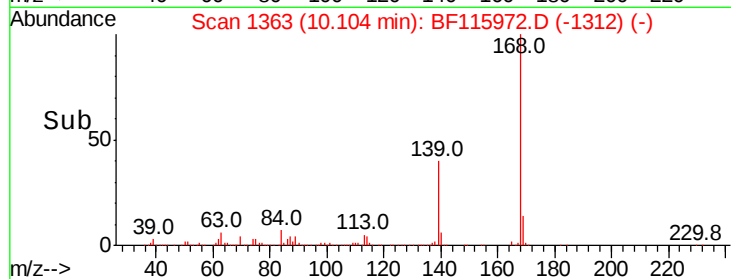
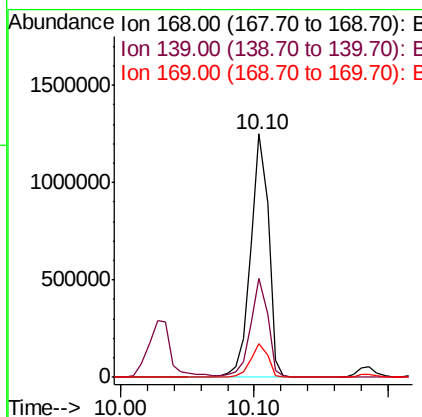
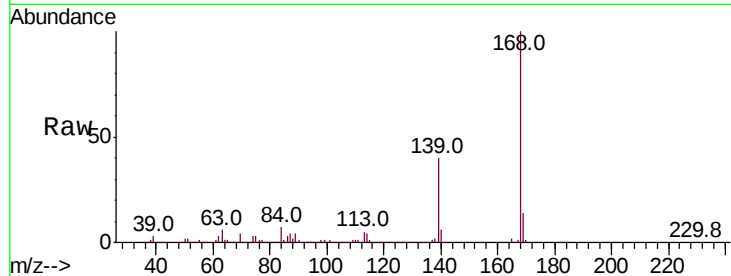
#55
Dibenzofuran
Concen: 44.469 ng
RT: 10.10 min Scan# 1363
Delta R.T. 0.00 min
Lab File: BF115972.D
Acq: 3 Aug 2019 11:04

Instrument :
BNA_F
ClientSampleId :
PB121947BSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	40.5	30.2	45.2
169	14.1	10.8	16.2

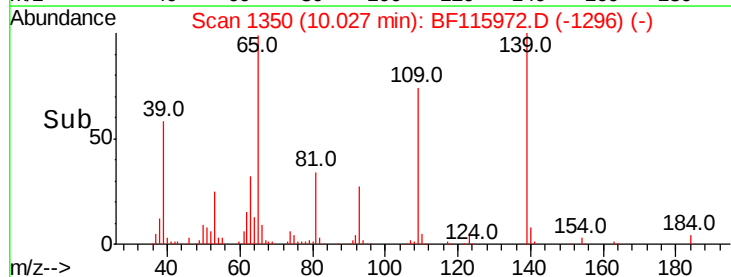
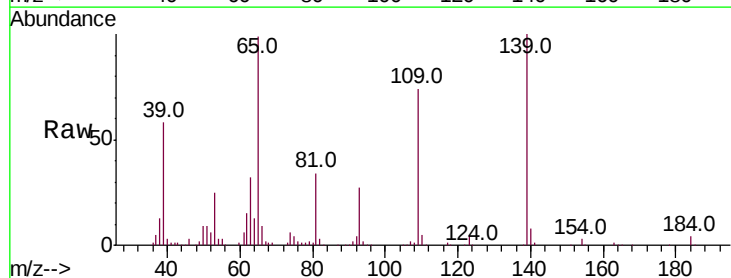
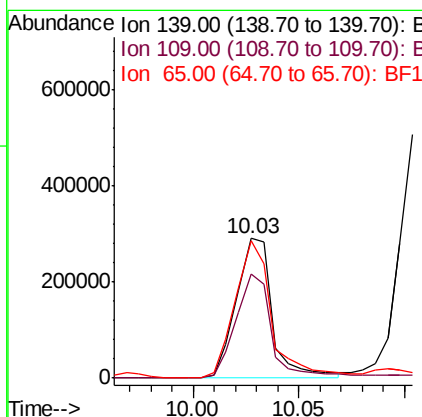
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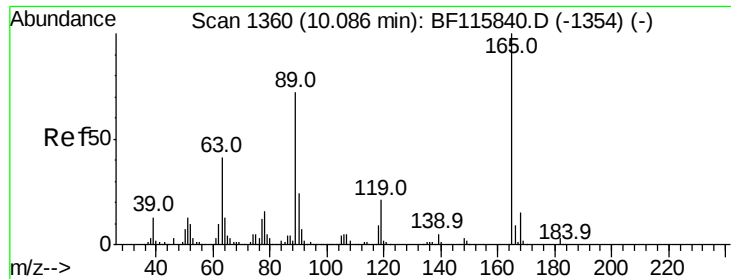
mohammad
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#56
4-Nitrophenol
Concen: 88.768 ng
RT: 10.03 min Scan# 1350
Delta R.T. 0.02 min
Lab File: BF115972.D
Acq: 3 Aug 2019 11:04

Tgt Ion	Ratio	Lower	Upper
139	100		
109	74.1	52.0	92.0
65	98.6	72.6	112.6





#57

2,4-Dinitrotoluene

Concen: 44.695 ng

RT: 10.09 min Scan# 1361

Delta R.T. 0.01 min

Lab File: BF115972.D

Acq: 3 Aug 2019 11:04

Instrument :

BNA_F

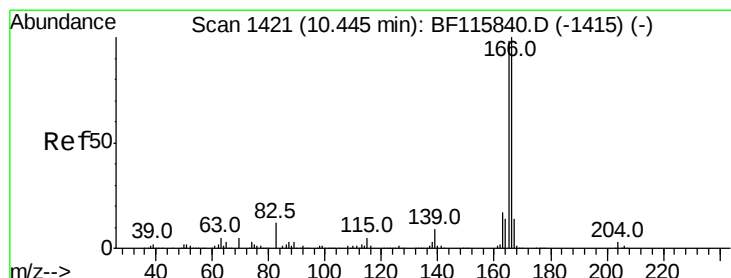
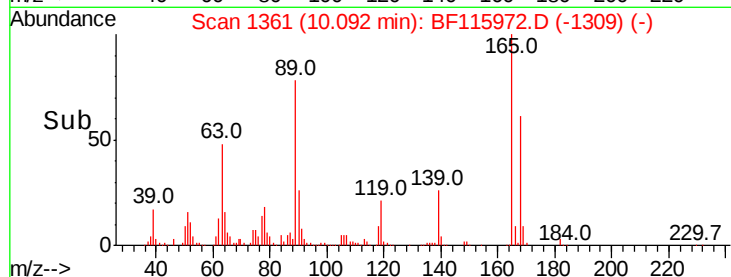
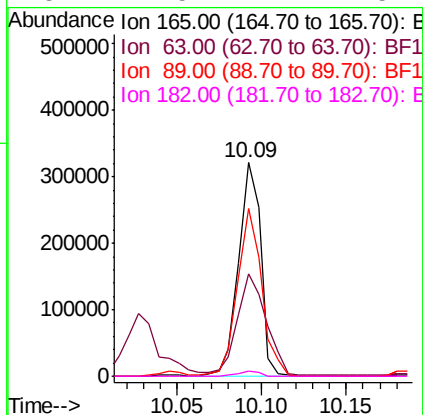
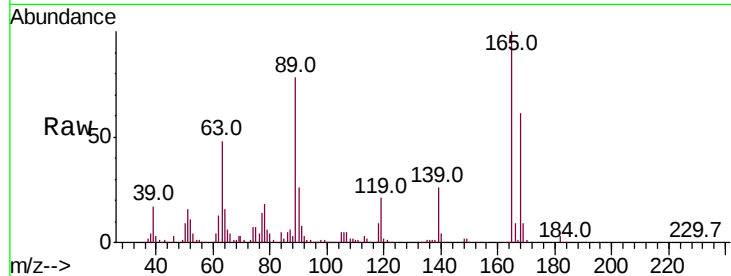
ClientSampleId :

PB121947BSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	293675		
63	48.1	33.2	49.8	
89	78.2	57.3	85.9	
182	2.5	2.1	3.1	

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#58

Fluorene

Concen: 44.949 ng

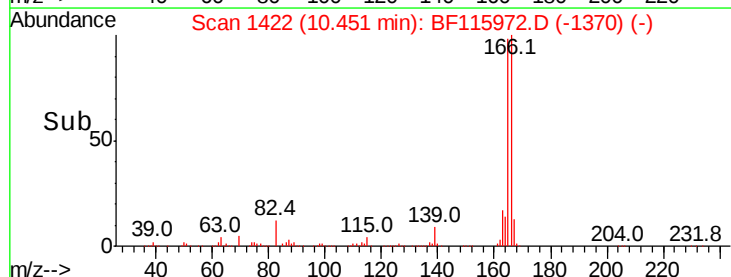
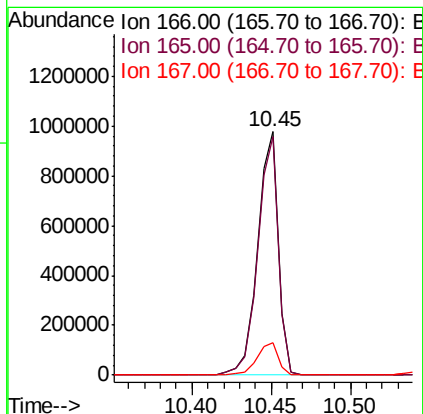
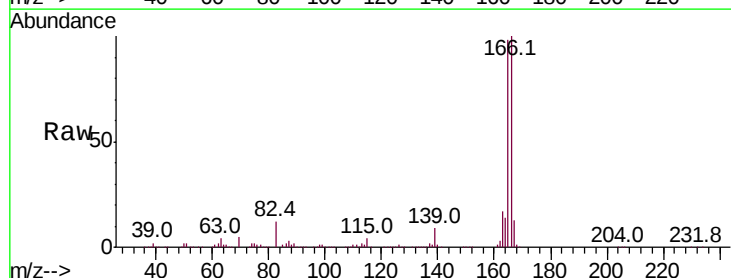
RT: 10.45 min Scan# 1422

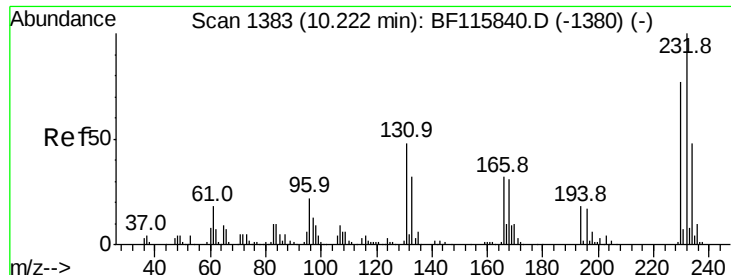
Delta R.T. 0.01 min

Lab File: BF115972.D

Acq: 3 Aug 2019 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	882142		
165	98.2	78.6	118.0	
167	13.5	10.9	16.3	





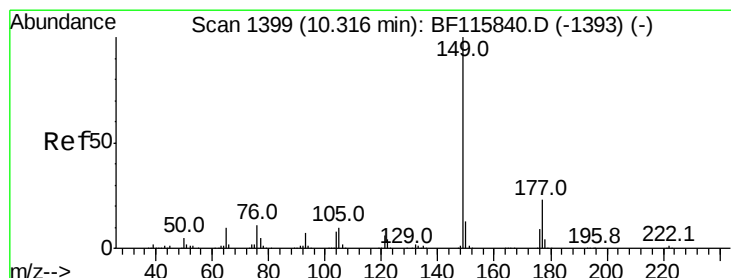
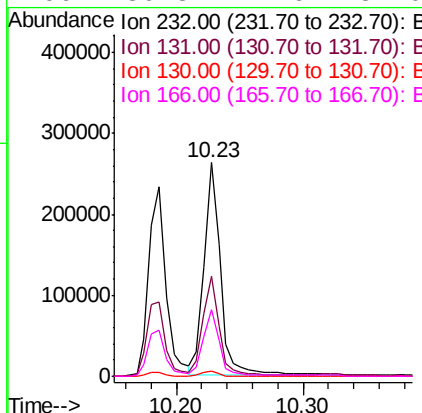
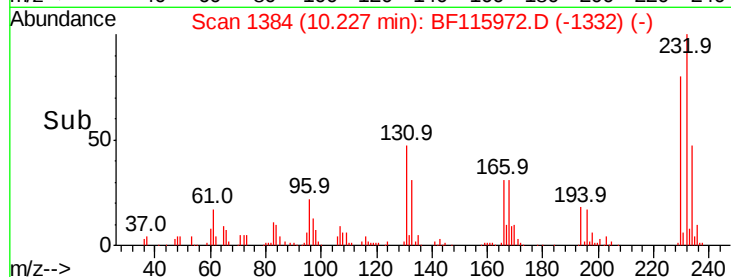
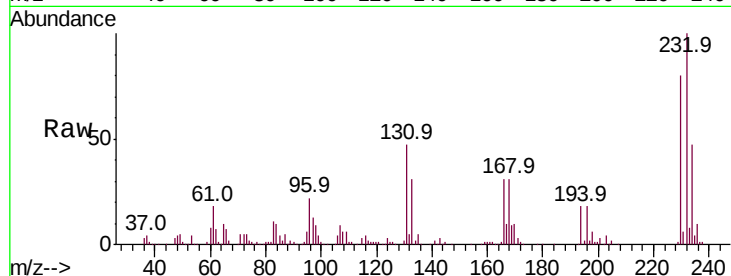
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 45.059 ng
 RT: 10.23 min Scan# 1384
 Delta R.T. 0.01 min
 Lab File: BF115972.D
 Acq: 3 Aug 2019 11:04

Instrument :
 BNA_F
 ClientSampleId :
 PB121947BSD

Tot Ion	Ratio	Resp	Lower	Upper
232	100	240496		
131	46.0		37.6	56.4
130	2.5		1.8	2.8
166	30.3		24.6	37.0

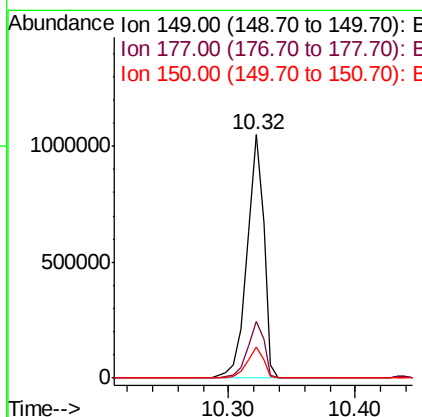
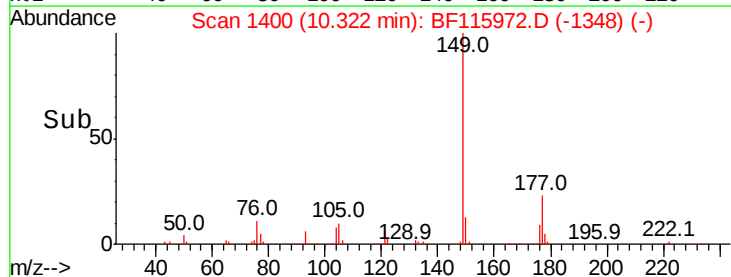
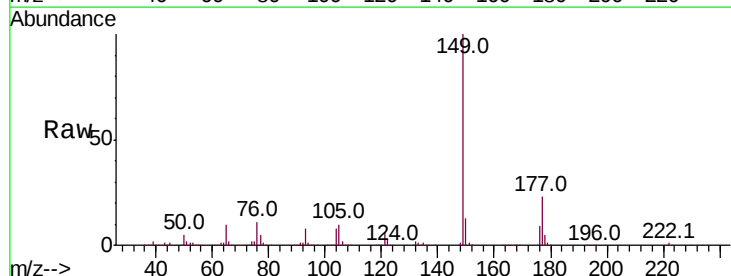
Manual Integrations
 APPROVED

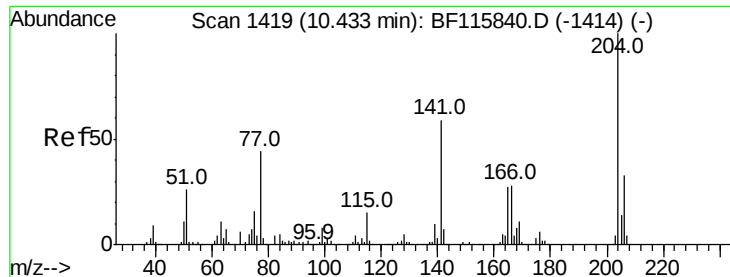
mohammad
 8/8/2019 4:45:16 PM



#60
 Diethylphthalate
 Concen: 45.437 ng
 RT: 10.32 min Scan# 1400
 Delta R.T. 0.01 min
 Lab File: BF115972.D
 Acq: 3 Aug 2019 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	963353		
177	23.1		18.4	27.6
150	12.9		10.1	15.1





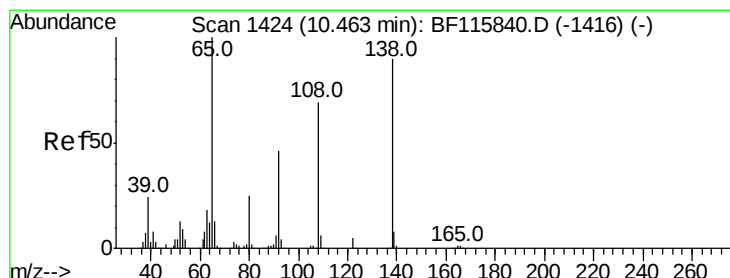
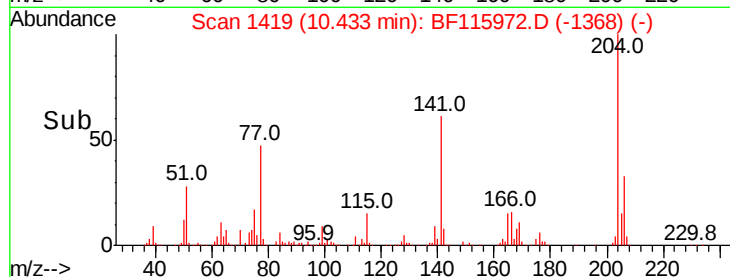
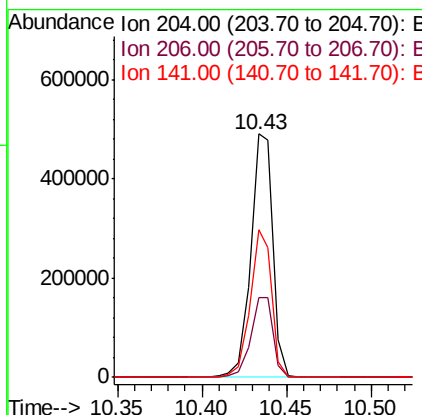
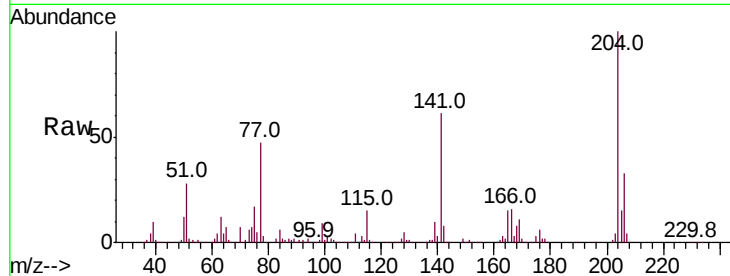
#61
4-Chlorophenyl-phenylether
Concen: 45.247 ng
RT: 10.43 min Scan# 1419
Delta R.T. 0.00 min
Lab File: BF115972.D
Acq: 3 Aug 2019 11:04

Instrument :
BNA_F
ClientSampleId :
PB121947BSD

Tot Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.4	39.6
141	60.6	47.0	70.4

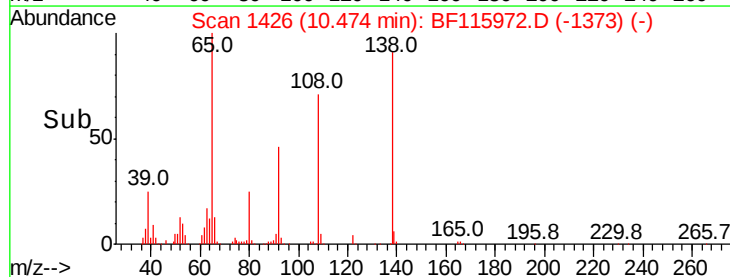
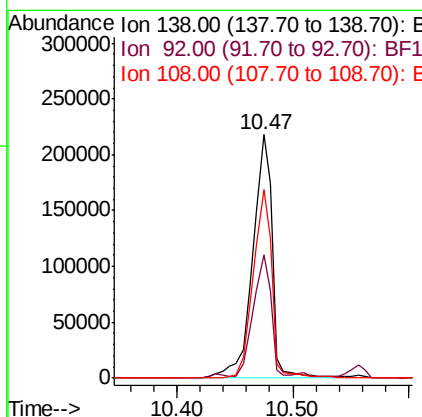
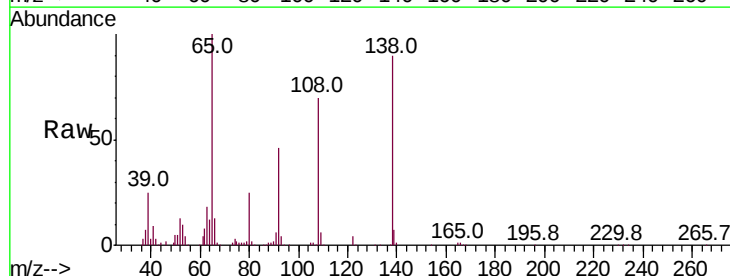
Manual Integrations
APPROVED

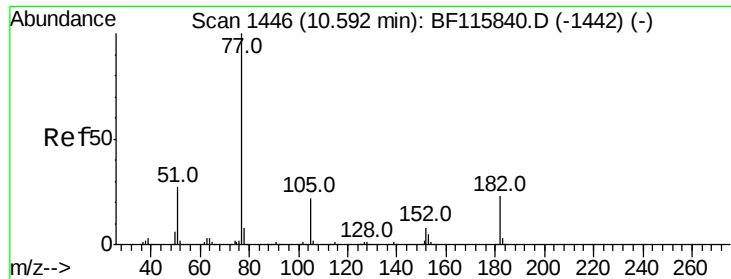
mohammad
8/8/2019 4:45:16 PM



#62
4-Nitroaniline
Concen: 40.668 ng
RT: 10.47 min Scan# 1426
Delta R.T. 0.01 min
Lab File: BF115972.D
Acq: 3 Aug 2019 11:04

Tgt Ion	Ratio	Lower	Upper
138	100		
92	50.4	31.0	71.0
108	77.7	56.7	96.7





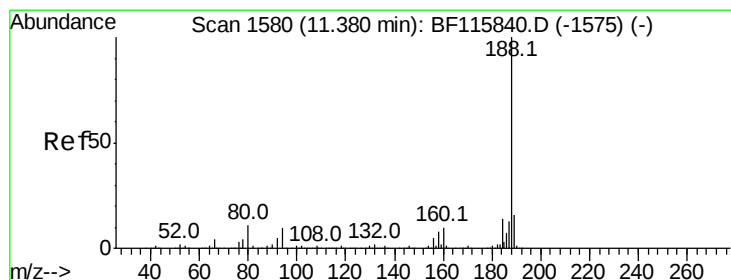
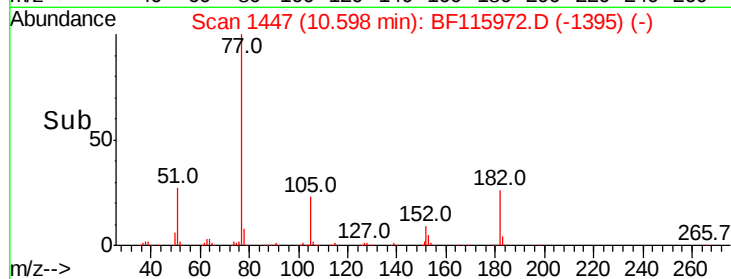
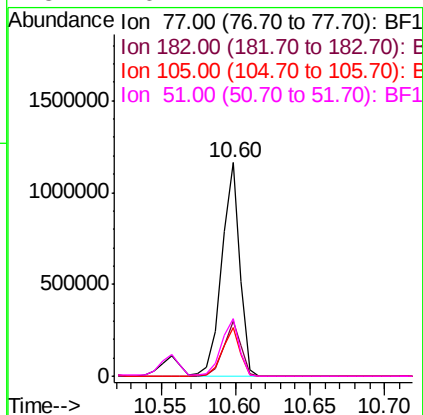
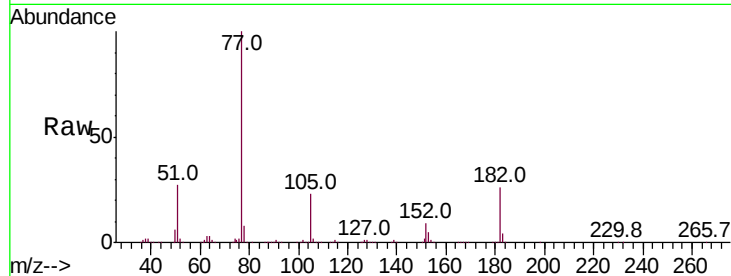
#63
Azobenzene
Concen: 45.540 ng
RT: 10.60 min Scan# 1447
Delta R.T. 0.01 min
Lab File: BF115972.D
Acq: 3 Aug 2019 11:04

Instrument :
BNA_F
ClientSampleId :
PB121947BSD

Tot Ion	Ratio	Lower	Upper
77	100		
182	25.6	2.6	42.6
105	22.7	1.6	41.6
51	26.7	7.4	47.4

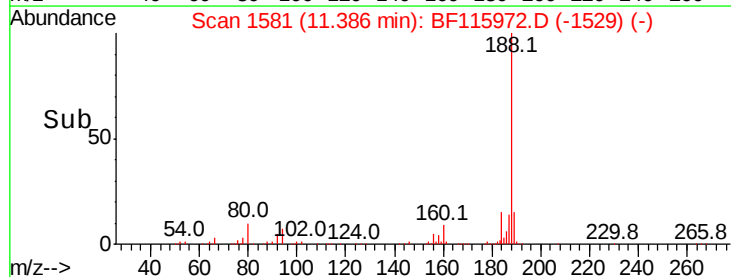
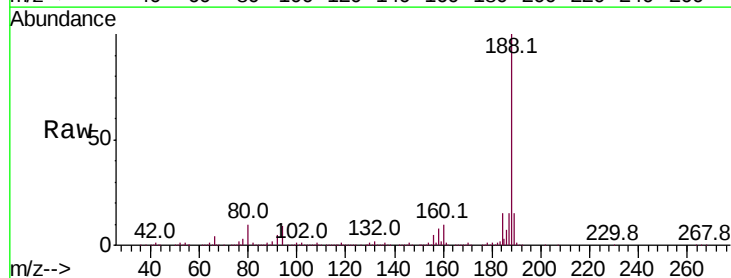
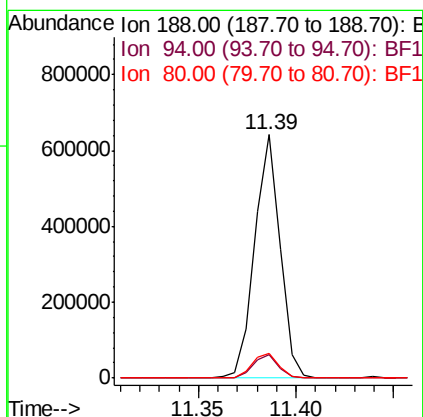
Manual Integrations
APPROVED

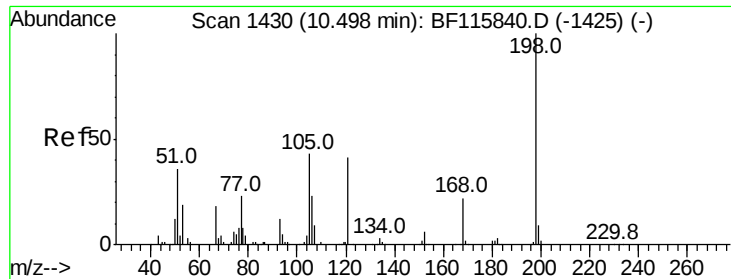
mohammad
8/8/2019 4:45:16 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. 0.01 min
Lab File: BF115972.D
Acq: 3 Aug 2019 11:04

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	8.0	12.0
80	10.2	8.6	12.8





#65

4,6-Dinitro-2-methylphenol

Concen: 47.244 ng

RT: 10.51 min Scan# 1432

Delta R.T. 0.01 min

Lab File: BF115972.D

Acq: 3 Aug 2019 11:04

Instrument :

BNA_F

ClientSampleId :

PB121947BSD

Tot Ion:198 Resp: 145210
Ion Ratio Lower Upper

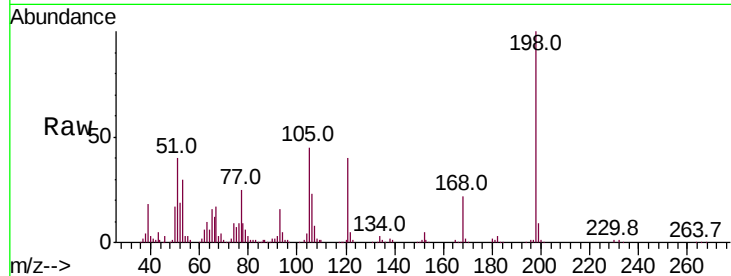
198 100

51 40.1 21.1 61.1

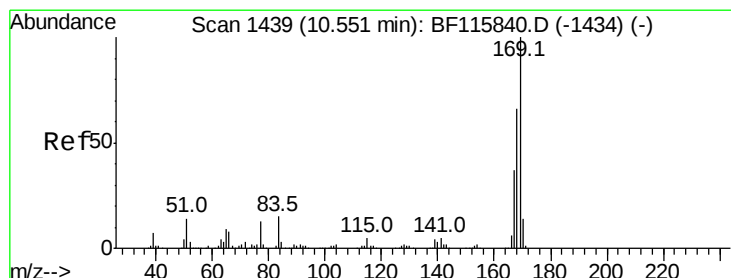
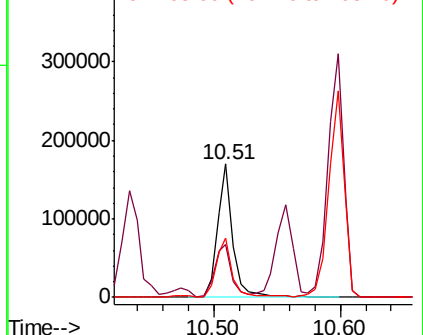
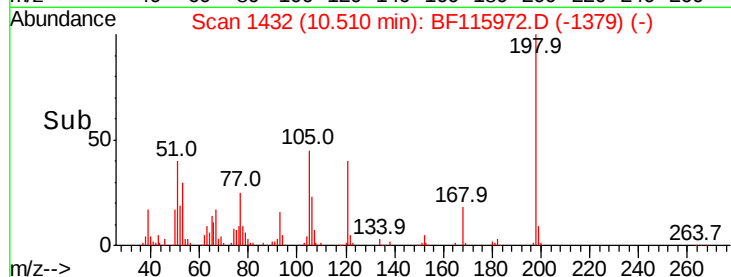
105 44.6 24.5 64.5

Manual Integrations
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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: 46.401 ng

RT: 10.56 min Scan# 1440

Delta R.T. 0.01 min

Lab File: BF115972.D

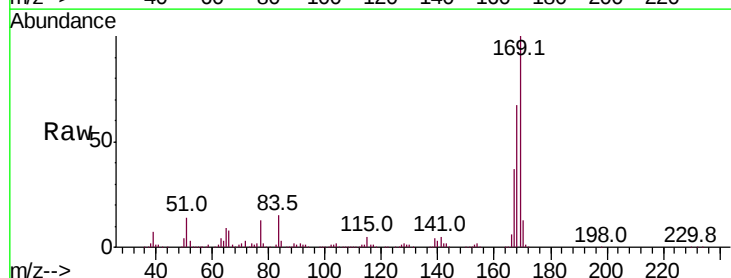
Acq: 3 Aug 2019 11:04

Tgt Ion:169 Resp: 810046
Ion Ratio Lower Upper

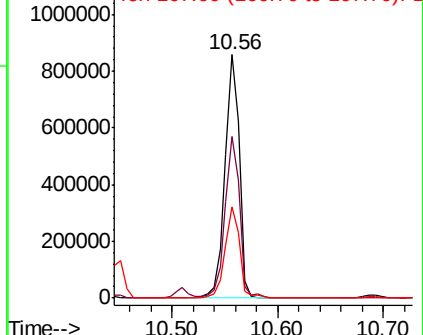
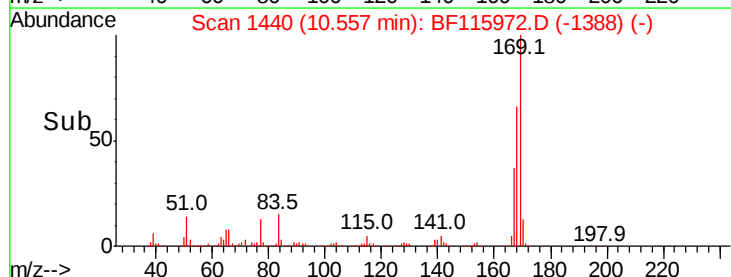
169 100

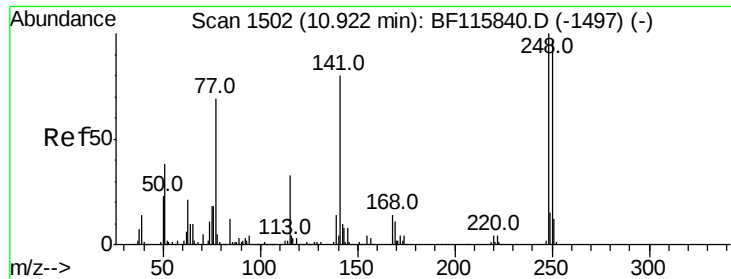
168 66.5 53.0 79.6

167 37.5 29.9 44.9



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





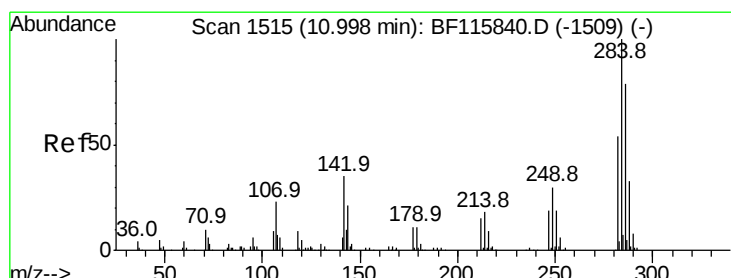
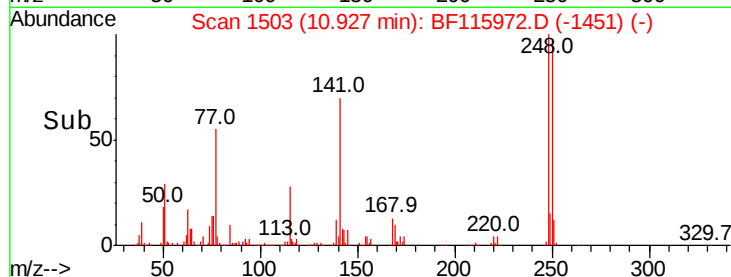
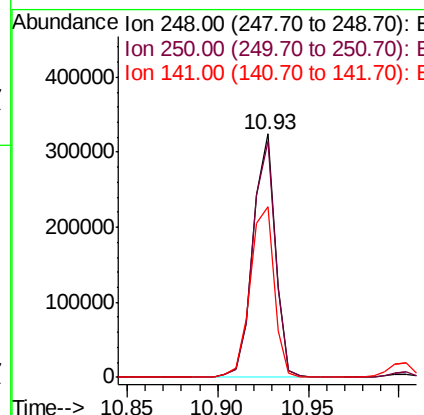
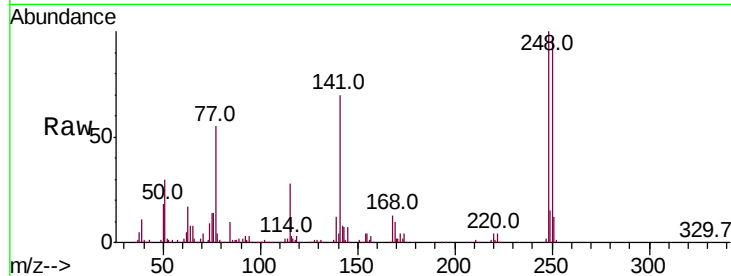
#67
4-Bromophenyl-phenylether
Concen: 44.835 ng
RT: 10.93 min Scan# 1503
Delta R.T. 0.01 min
Lab File: BF115972.D
Acq: 3 Aug 2019 11:04

Instrument :
BNA_F
ClientSampleId :
PB121947BSD

Tot Ion	Ratio	Resp	Lower	Upper
248	100	278375		
250	96.7	77.8	116.6	
141	69.9	64.3	96.5	

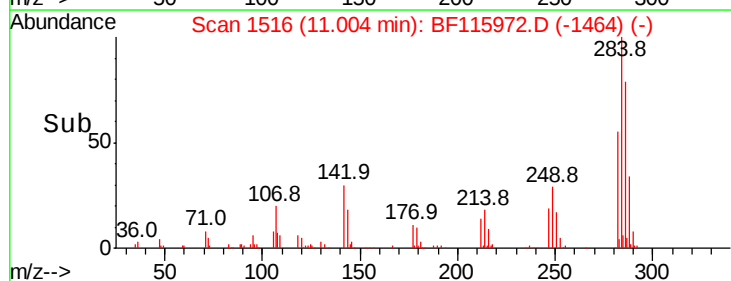
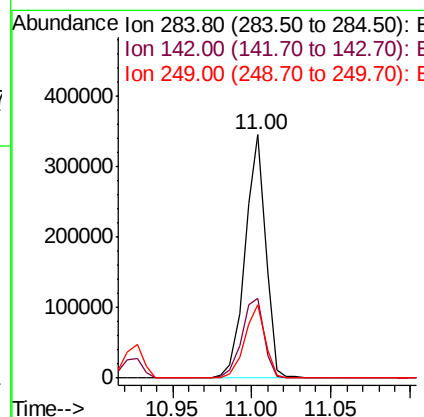
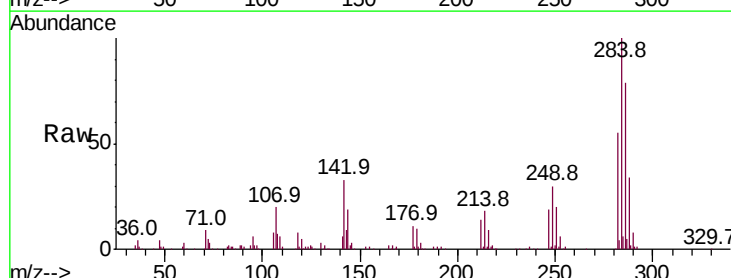
Manual Integrations
APPROVED

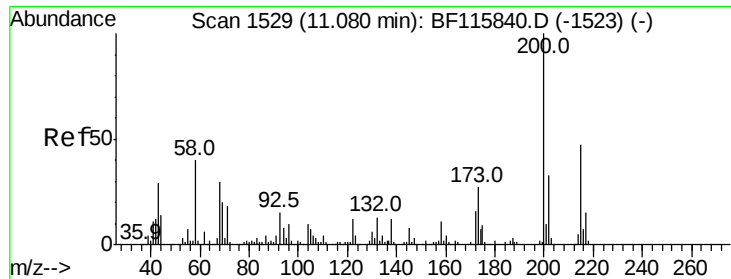
mohammad
8/8/2019 4:45:16 PM



#68
Hexachlorobenzene
Concen: 43.028 ng
RT: 11.00 min Scan# 1516
Delta R.T. 0.01 min
Lab File: BF115972.D
Acq: 3 Aug 2019 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	308924		
142	33.0	28.2	42.2	
249	30.0	24.0	36.0	





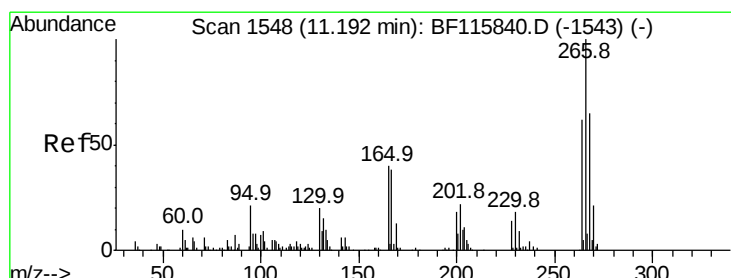
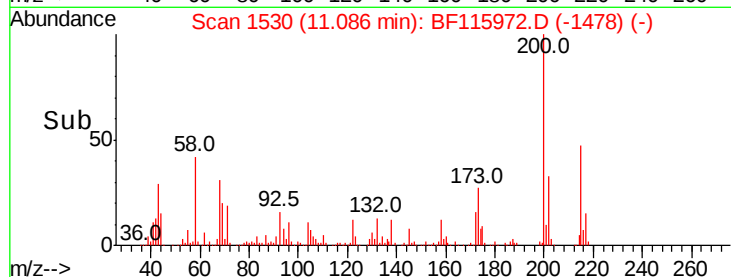
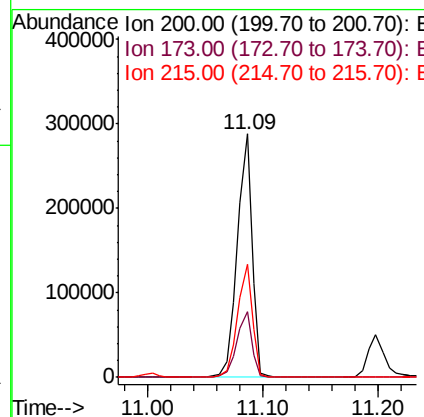
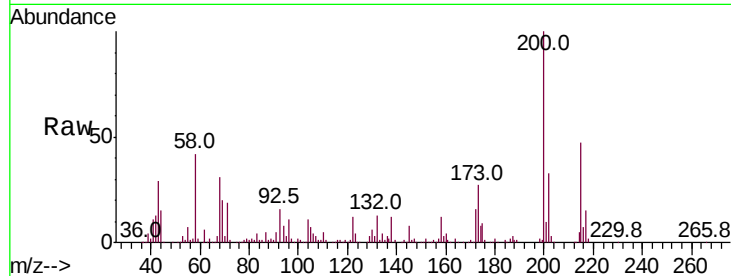
#69
 Atrazine
 Concen: 45.012 ng
 RT: 11.09 min Scan# 1530
 Delta R.T. 0.01 min
 Lab File: BF115972.D
 Acq: 3 Aug 2019 11:04

Instrument :
 BNA_F
 ClientSampleId :
 PB121947BSD

Tot Ion	Ratio	Resp Lower	Upper
200	100		
173	26.8	7.3	47.3
215	46.7	26.9	66.9

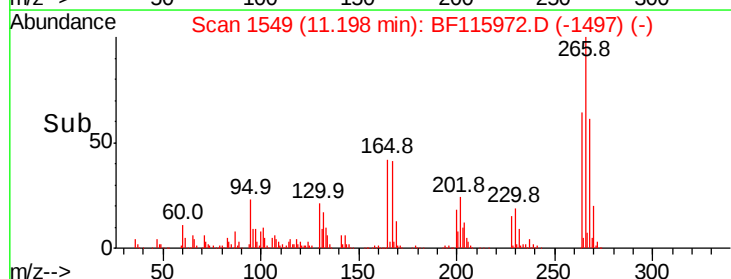
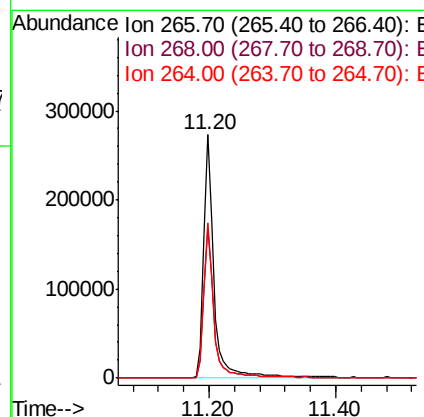
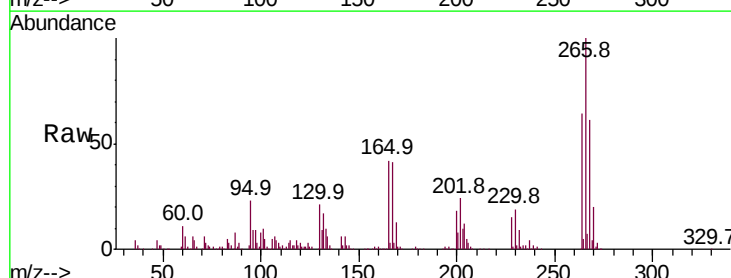
Manual Integrations
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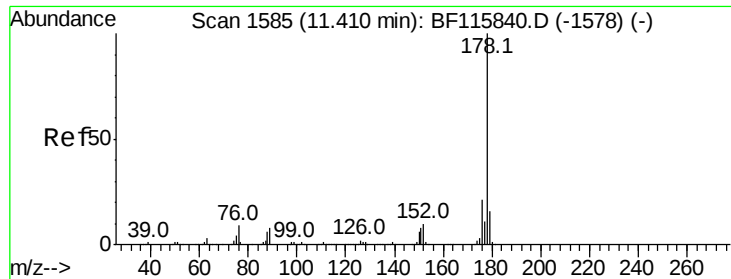
mohammad
 8/8/2019 4:45:16 PM



#70
 Pentachlorophenol
 Concen: 89.181 ng
 RT: 11.20 min Scan# 1549
 Delta R.T. 0.01 min
 Lab File: BF115972.D
 Acq: 3 Aug 2019 11:04

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
268	61.5	51.6	77.4
264	63.8	49.4	74.0





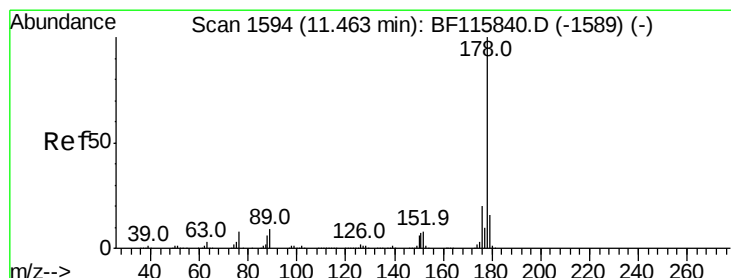
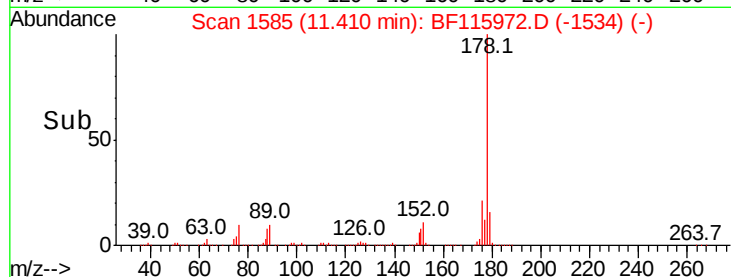
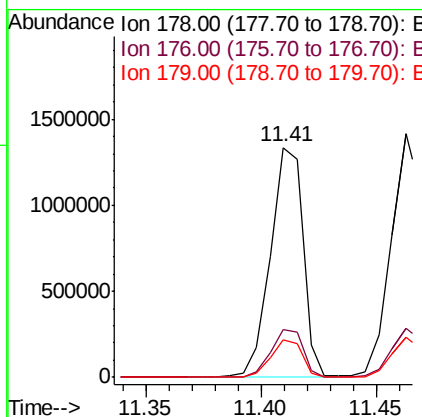
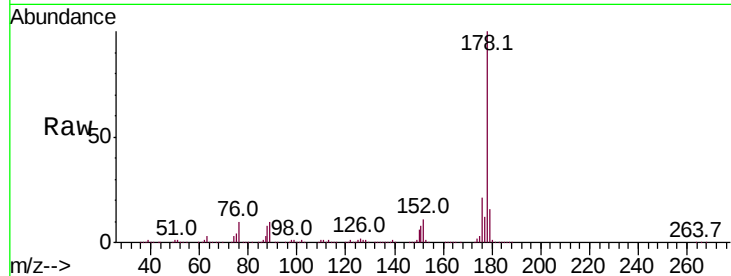
#71
 Phenanthrene
 Concen: 44.217 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: BF115972.D
 Acq: 3 Aug 2019 11:04

Instrument :
 BNA_F
 ClientSampleId :
 PB121947BSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.8	16.5	24.7
179	16.1	12.6	18.8

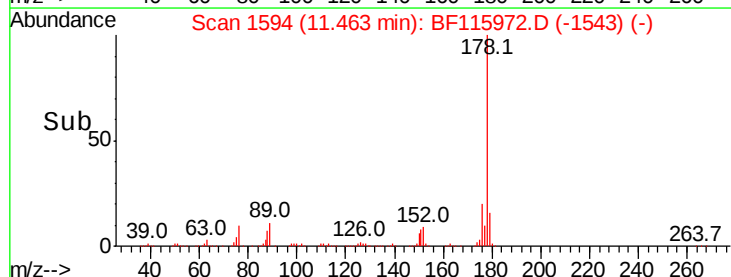
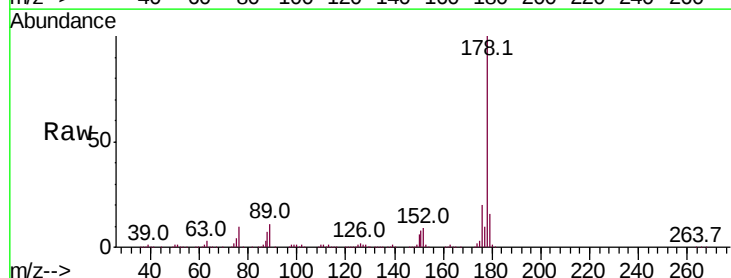
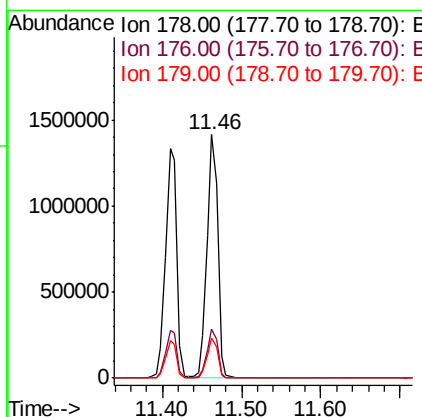
Manual Integrations
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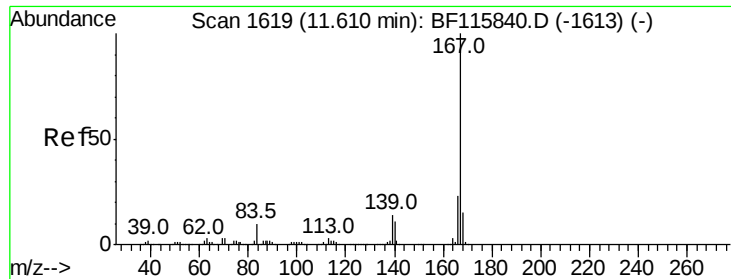
mohammad
 8/8/2019 4:45:16 PM



#72
 Anthracene
 Concen: 45.211 ng
 RT: 11.46 min Scan# 1594
 Delta R.T. 0.00 min
 Lab File: BF115972.D
 Acq: 3 Aug 2019 11:04

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.7	23.5
179	16.4	12.4	18.6





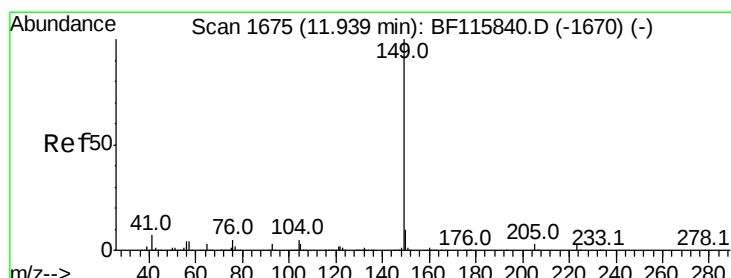
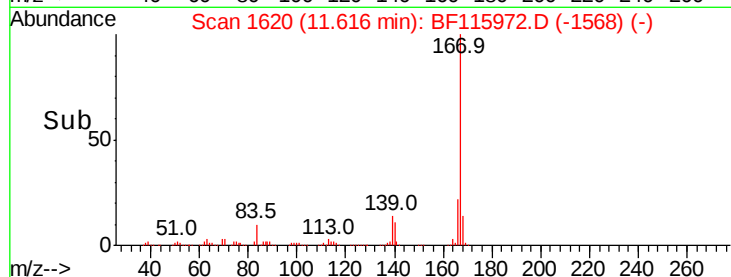
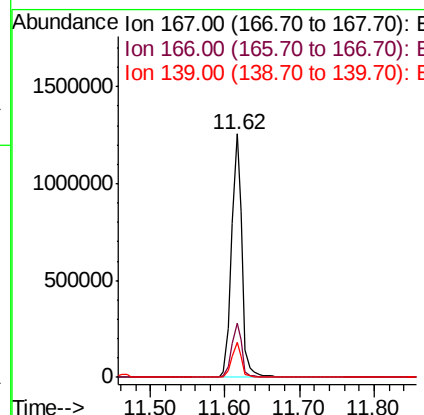
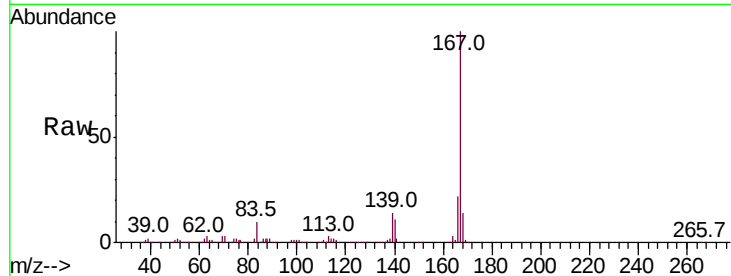
#73
 Carbazole
 Concen: 45.075 ng
 RT: 11.62 min Scan# 1620
 Delta R.T. 0.01 min
 Lab File: BF115972.D
 Acq: 3 Aug 2019 11:04

Instrument :
 BNA_F
 ClientSampleId :
 PB121947BSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.4	18.0	27.0
139	14.3	11.4	17.2

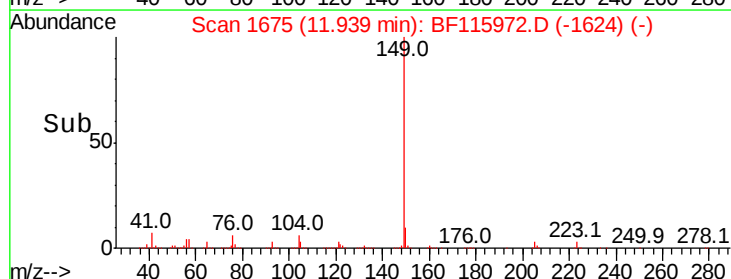
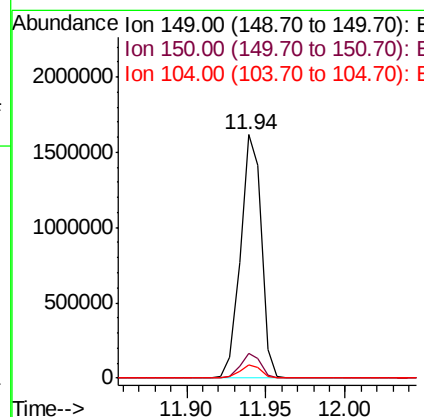
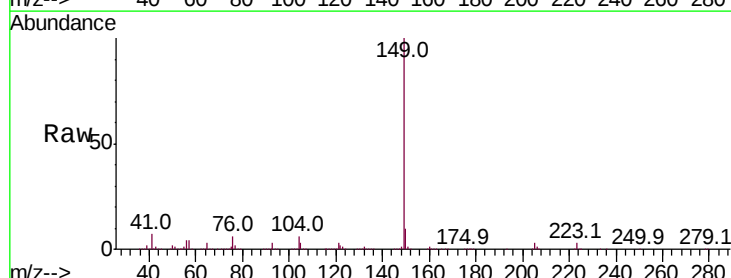
Manual Integrations
 APPROVED

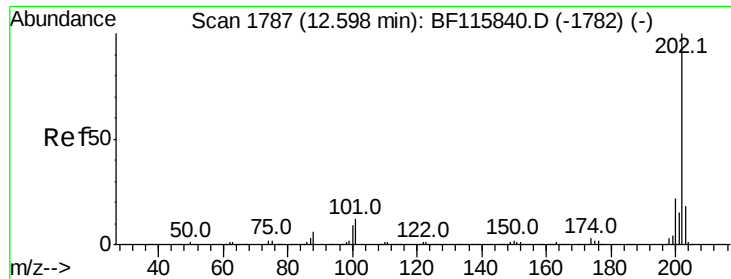
mohammad
 8/8/2019 4:45:16 PM



#74
 Di-n-butylphthalate
 Concen: 46.335 ng
 RT: 11.94 min Scan# 1675
 Delta R.T. 0.00 min
 Lab File: BF115972.D
 Acq: 3 Aug 2019 11:04

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.9	7.7	11.5
104	5.6	4.3	6.5





#75

Fluoranthene

Concen: 43.757 ng

RT: 12.60 min Scan# 1787

Delta R.T. 0.00 min

Lab File: BF115972.D

Acq: 3 Aug 2019 11:04

Instrument :

BNA_F

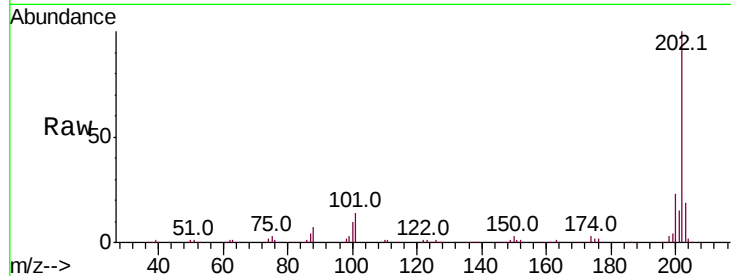
ClientSampleId :

PB121947BSD

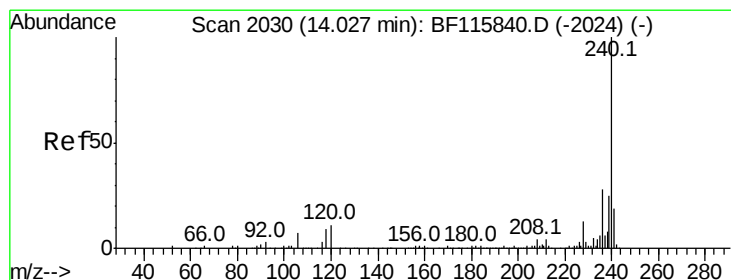
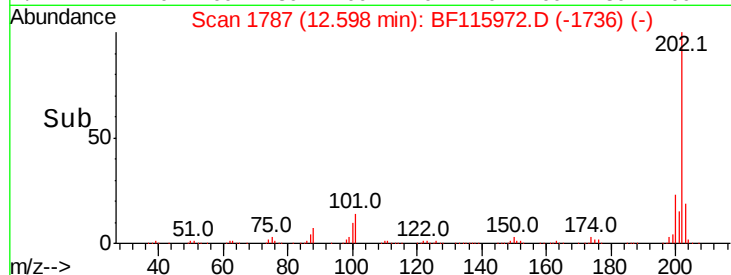
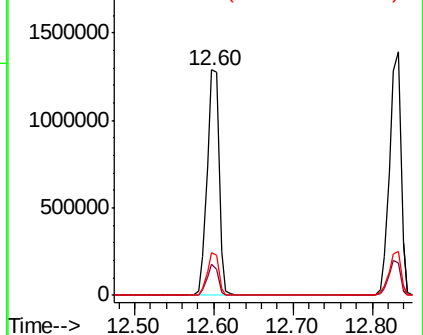
Tot Ion:	202	Resp:	1358276
Ion	Ratio	Lower	Upper
202	100		
101	13.8	0.0	31.5
203	18.6	0.0	37.9

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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

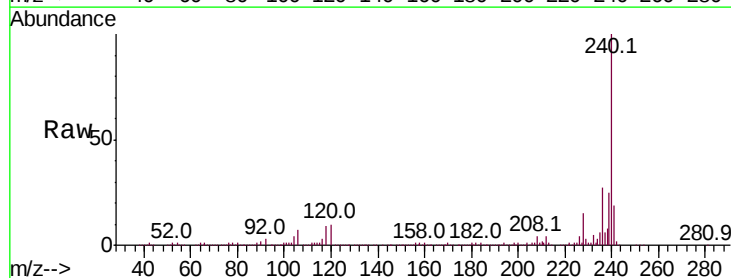
RT: 14.03 min Scan# 2031

Delta R.T. 0.01 min

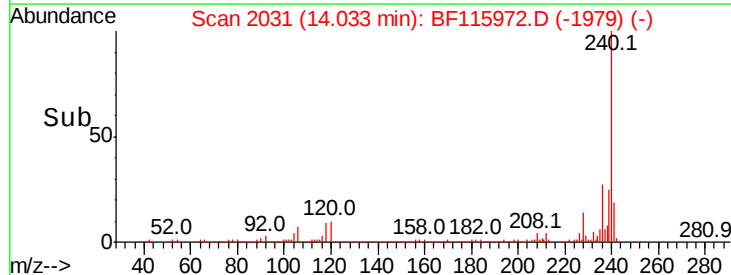
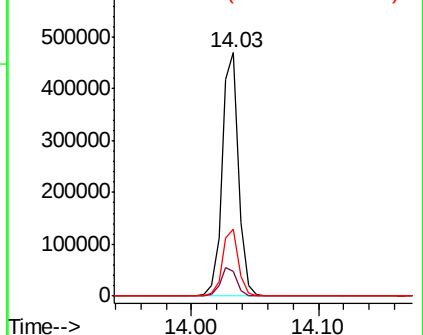
Lab File: BF115972.D

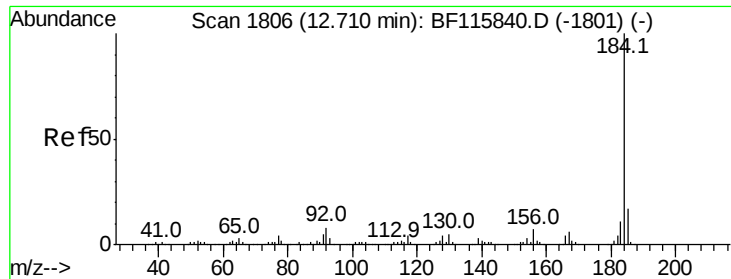
Acq: 3 Aug 2019 11:04

Tgt Ion:	240	Resp:	422191
Ion	Ratio	Lower	Upper
240	100		
120	10.2	8.5	12.7
236	27.4	22.2	33.2



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: 45.996 ng

RT: 12.72 min Scan# 1807

Delta R.T. 0.01 min

Lab File: BF115972.D

Acq: 3 Aug 2019 11:04

Instrument :

BNA_F

ClientSampleId :

PB121947BSD

Tot Ion:184 Resp: 656064

Ion Ratio Lower Upper

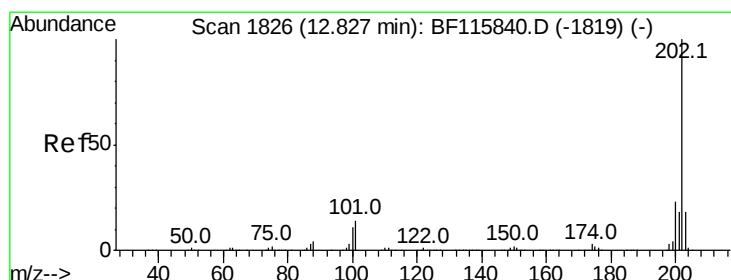
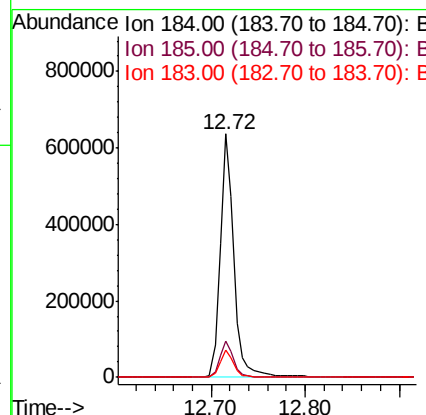
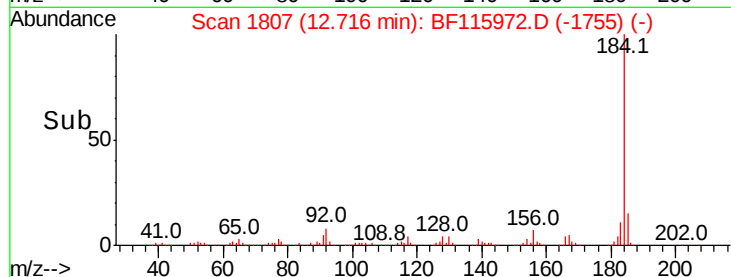
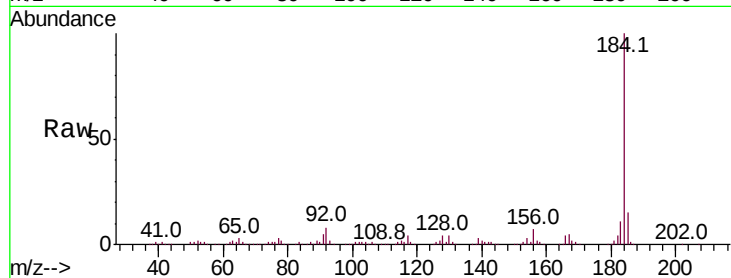
184 100

185 15.0 13.4 20.2

183 11.4 9.1 13.7

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#78

Pyrene

Concen: 44.127 ng

RT: 12.83 min Scan# 1827

Delta R.T. 0.01 min

Lab File: BF115972.D

Acq: 3 Aug 2019 11:04

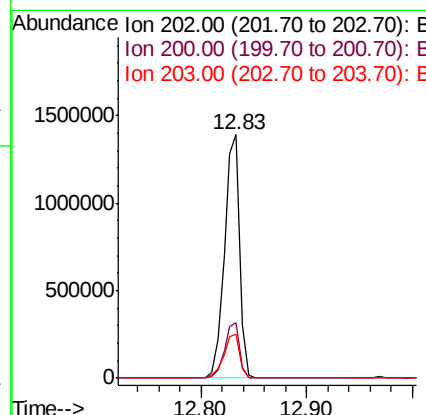
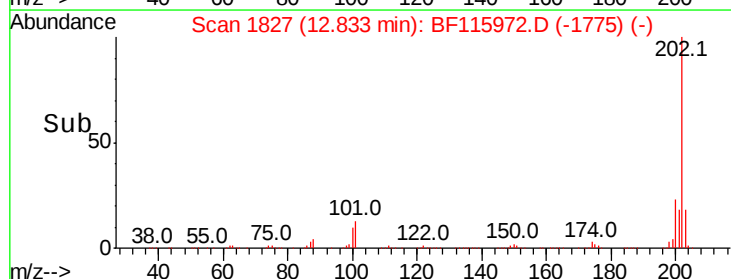
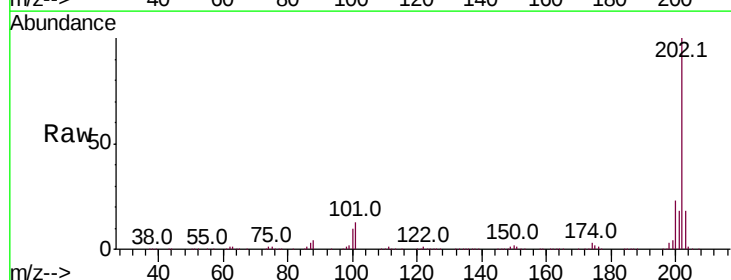
Tgt Ion:202 Resp: 1404351

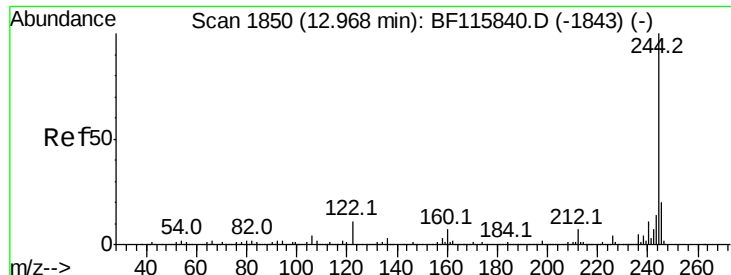
Ion Ratio Lower Upper

202 100

200 22.7 18.2 27.2

203 17.9 14.3 21.5





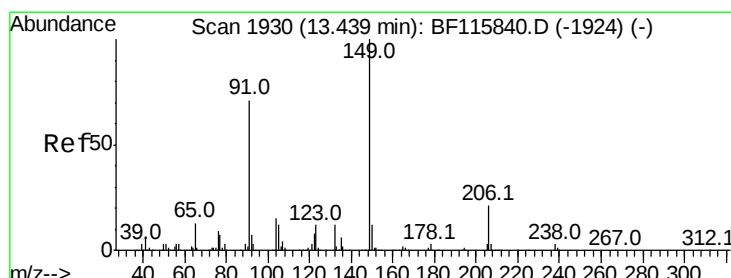
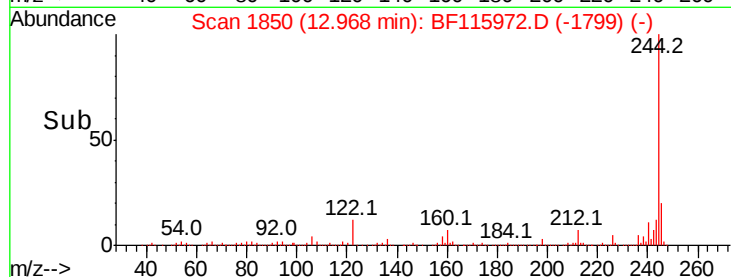
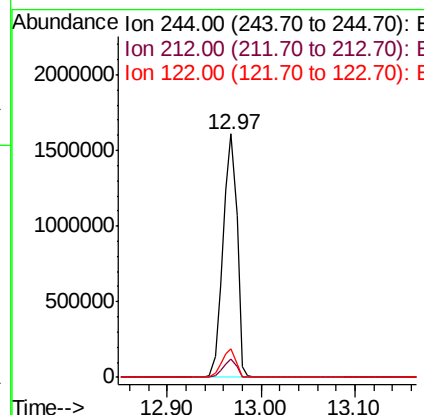
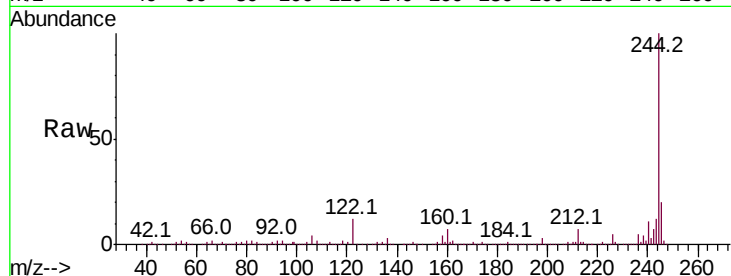
#79
 Terphenyl-d14
 Concen: 84.181 ng
 RT: 12.97 min Scan# 1850
 Delta R.T. 0.00 min
 Lab File: BF115972.D
 Acq: 3 Aug 2019 11:04

Instrument :
 BNA_F
 ClientSampleId :
 PB121947BSD

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.6	8.4
122	11.8	8.6	13.0

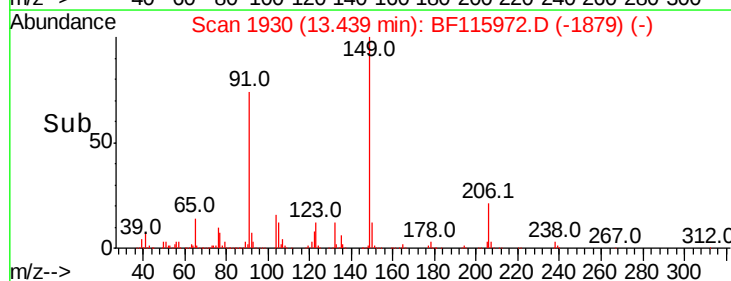
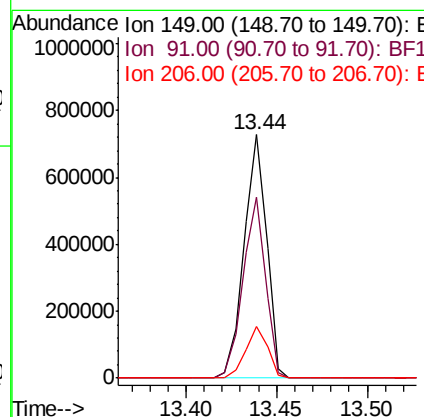
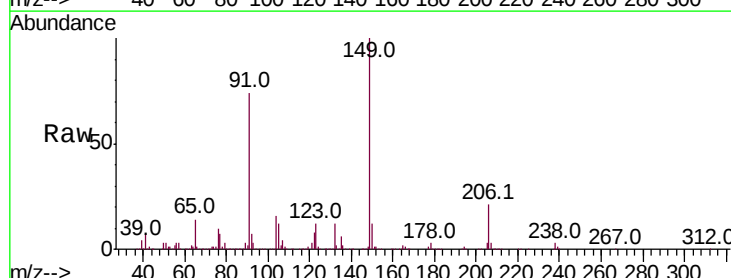
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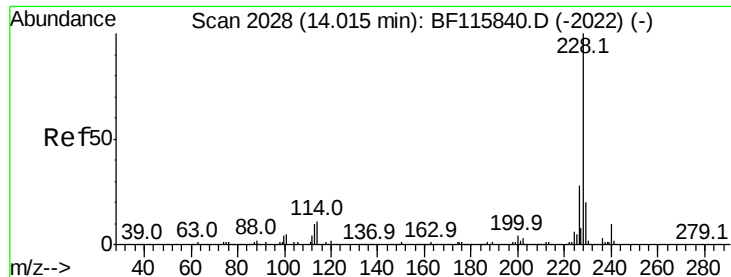
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#80
 Butylbenzylphthalate
 Concen: 46.895 ng
 RT: 13.44 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: BF115972.D
 Acq: 3 Aug 2019 11:04

Tgt Ion	Ratio	Lower	Upper
149	100		
91	74.4	57.0	85.6
206	21.1	16.9	25.3





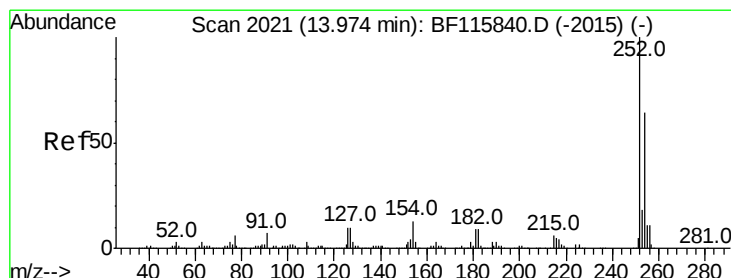
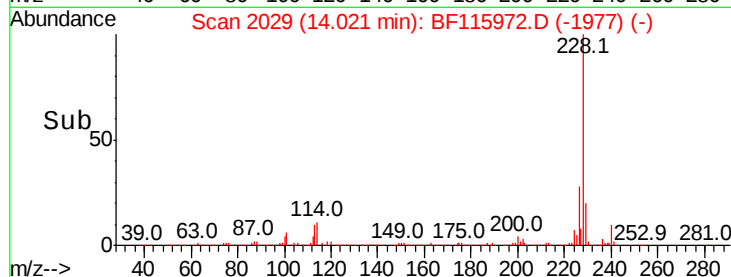
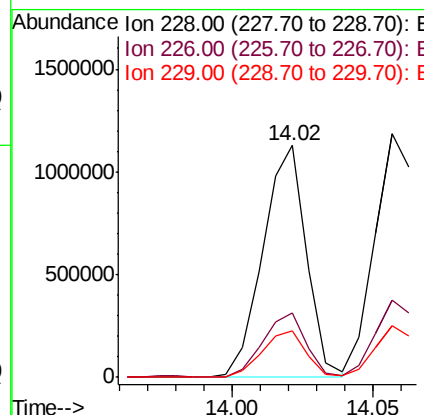
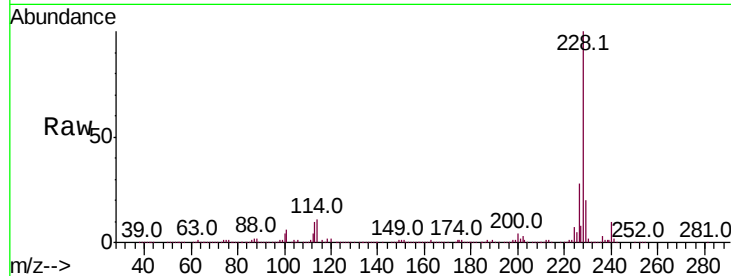
#81
Benzo(a)anthracene
Concen: 44.307 ng
RT: 14.02 min Scan# 2029
Delta R.T. 0.01 min
Lab File: BF115972.D
Acq: 3 Aug 2019 11:04

Instrument :
BNA_F
ClientSampleId :
PB121947BSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.5	33.7
229	19.8	16.1	24.1

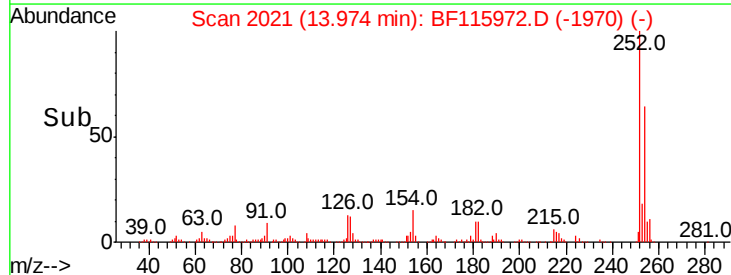
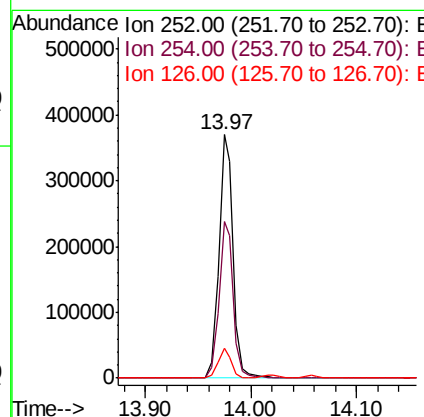
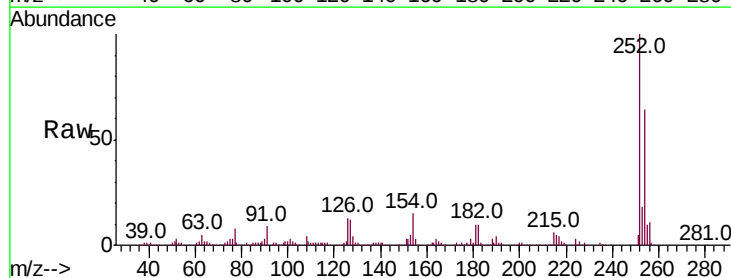
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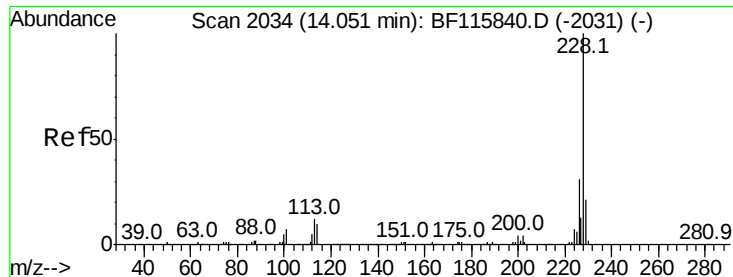
mohammad
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#82
3,3'-Dichlorobenzidine
Concen: 37.701 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BF115972.D
Acq: 3 Aug 2019 11:04

Tgt Ion	Ratio	Lower	Upper
252	100		
254	64.4	51.2	76.8
126	12.5	8.1	12.1





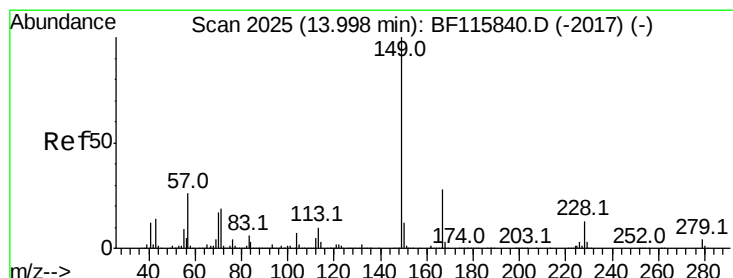
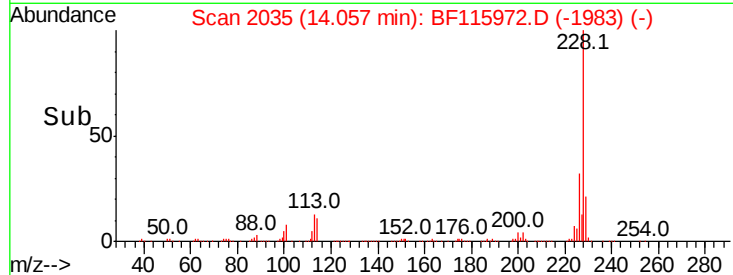
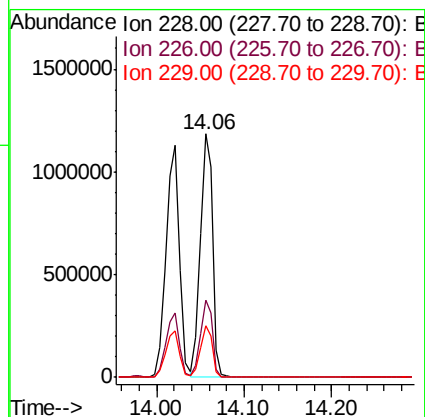
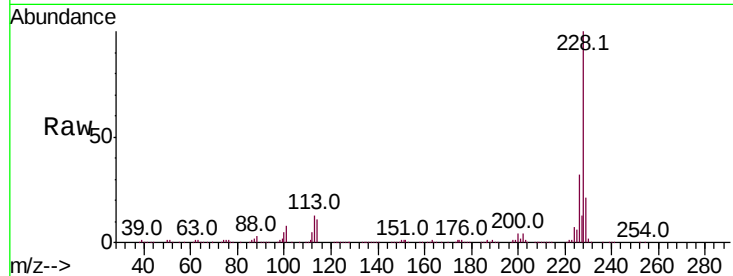
#83
 Chrysene
 Concen: 44.119 ng
 RT: 14.06 min Scan# 2035
 Delta R.T. 0.01 min
 Lab File: BF115972.D
 Acq: 3 Aug 2019 11:04

Instrument :
 BNA_F
 ClientSampleId :
 PB121947BSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.7	24.8	37.2
229	21.1	16.4	24.6

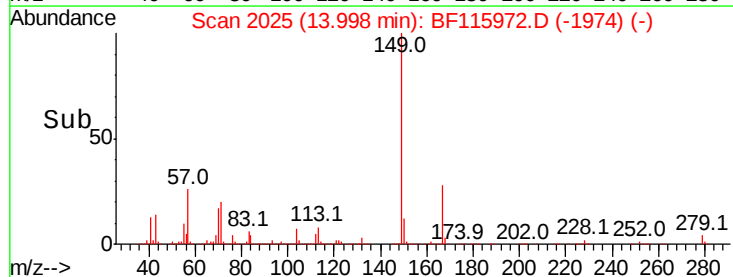
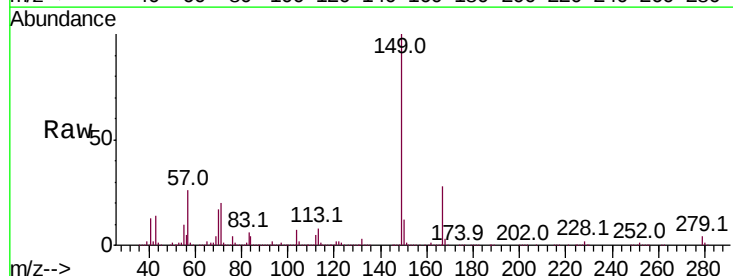
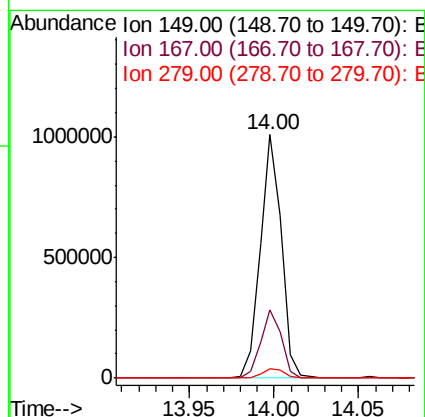
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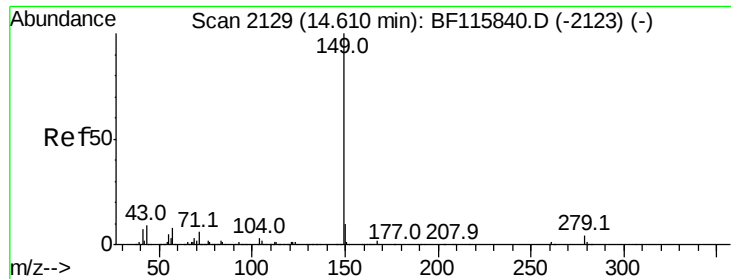
mohammad
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 50.279 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. 0.00 min
 Lab File: BF115972.D
 Acq: 3 Aug 2019 11:04

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.1	22.4	33.6
279	3.9	3.3	4.9





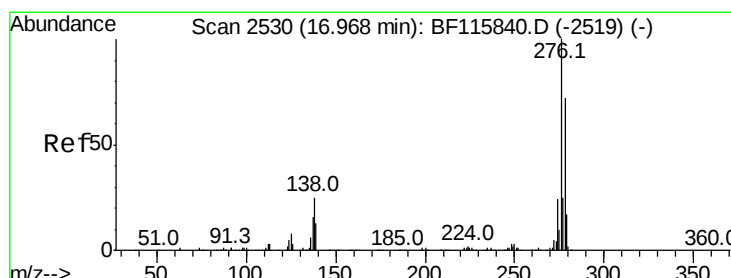
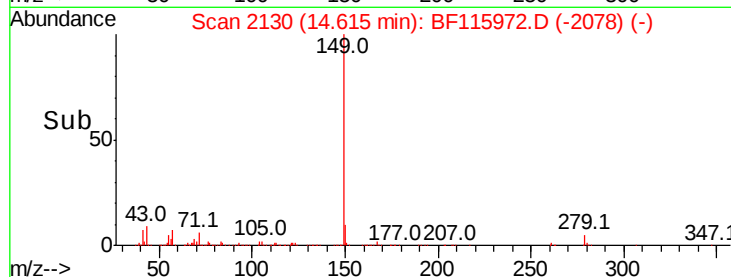
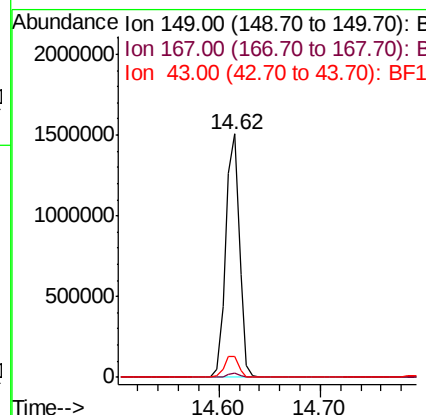
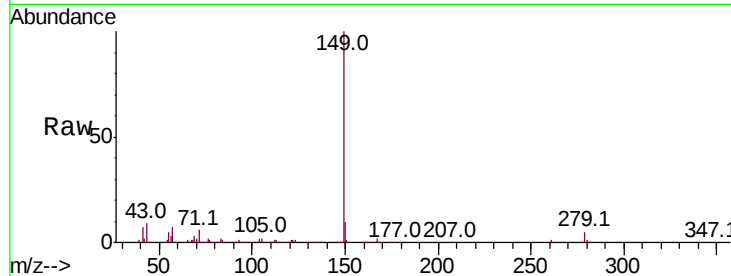
#85
Di-n-octyl phthalate
Concen: 50.997 ng
RT: 14.62 min Scan# 2130
Delta R.T. 0.01 min
Lab File: BF115972.D
Acq: 3 Aug 2019 11:04

Instrument :
BNA_F
ClientSampleId :
PB121947BSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	9.1	7.4	11.0

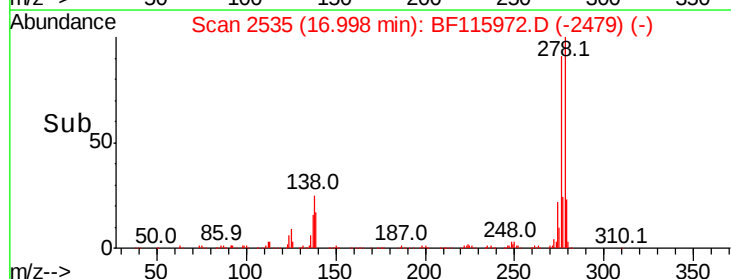
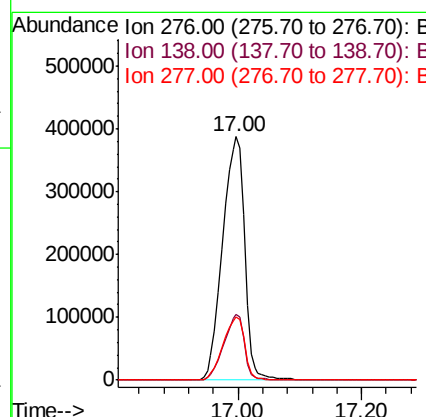
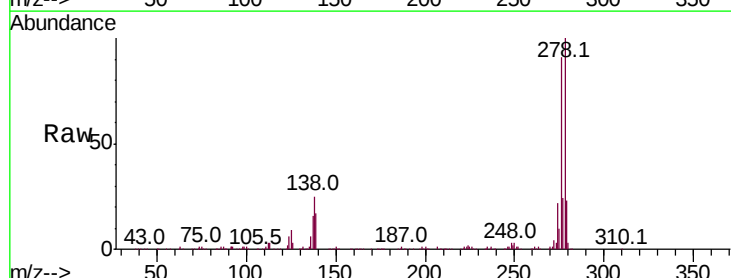
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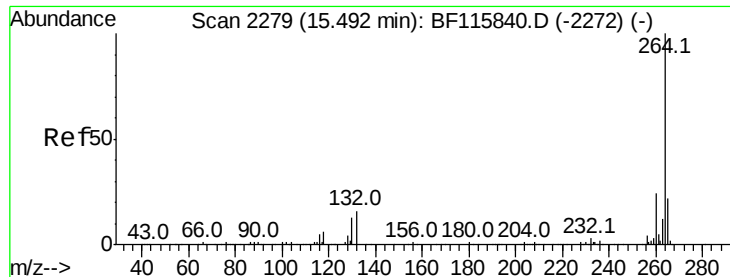
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 43.851 ng
RT: 17.00 min Scan# 2535
Delta R.T. 0.03 min
Lab File: BF115972.D
Acq: 3 Aug 2019 11:04

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.2	19.6	29.4
277	25.4	20.1	30.1





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2281

Delta R.T. 0.01 min

Lab File: BF115972.D

Acq: 3 Aug 2019 11:04

Instrument :

BNA_F

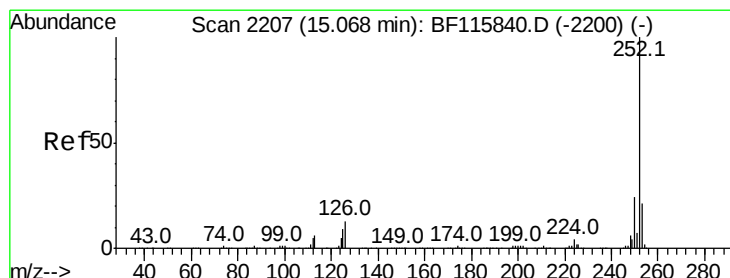
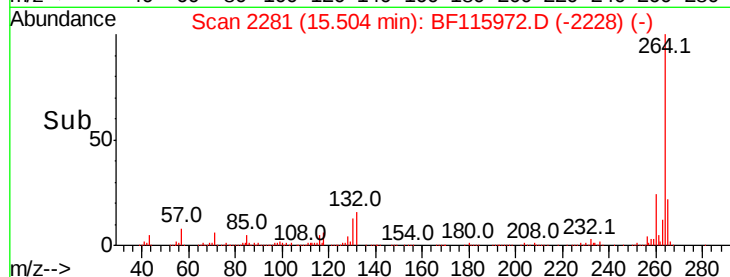
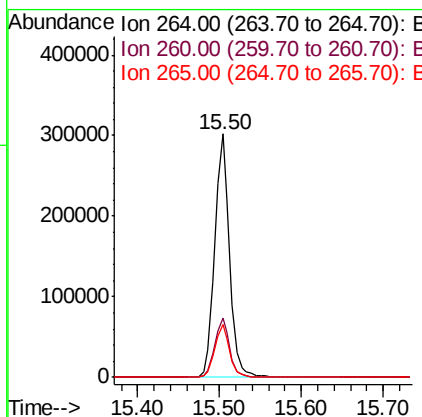
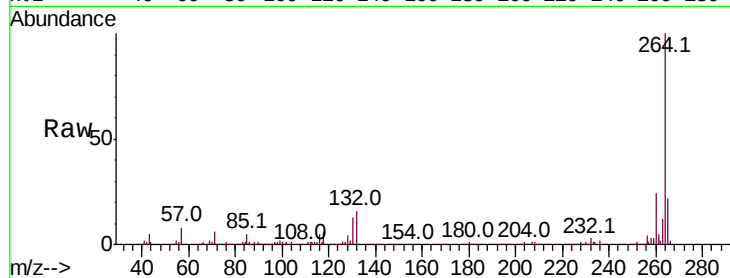
ClientSampleId :

PB121947BSD

Tot Ion:	264	Resp:	380787
Ion Ratio	Lower	Upper	
264	100		
260	24.5	19.4	29.2
265	21.9	17.5	26.3

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#88

Benzo(b)fluoranthene

Concen: 50.555 ng

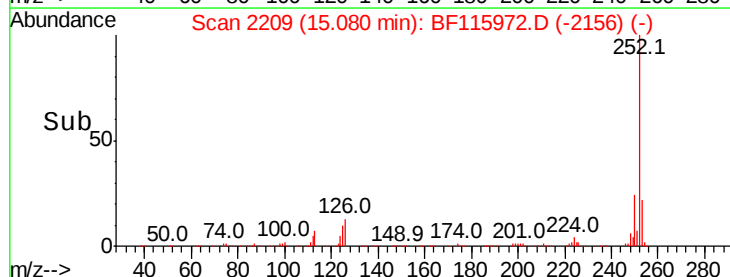
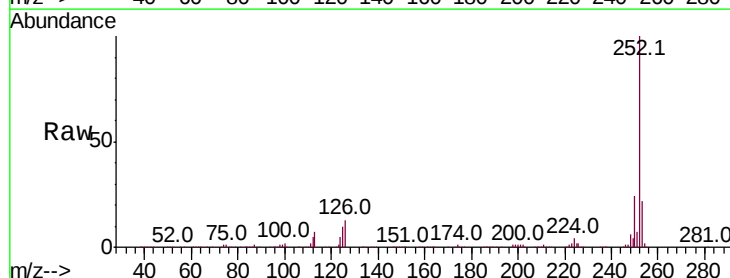
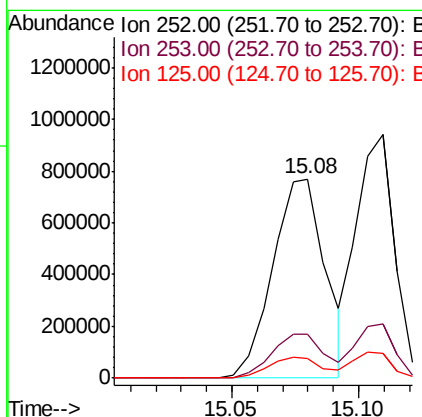
RT: 15.08 min Scan# 2209

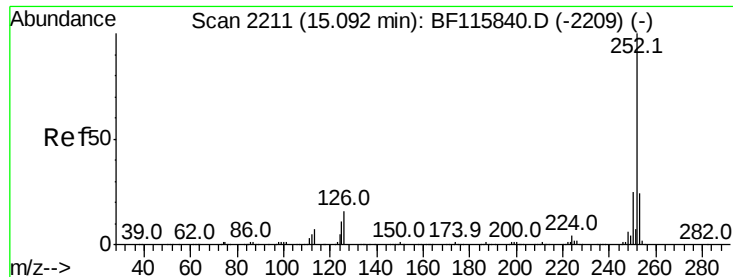
Delta R.T. 0.01 min

Lab File: BF115972.D

Acq: 3 Aug 2019 11:04

Tgt Ion:	252	Resp:	1113101
Ion Ratio	Lower	Upper	
252	100		
253	22.3	17.2	25.8
125	9.8	7.4	11.0





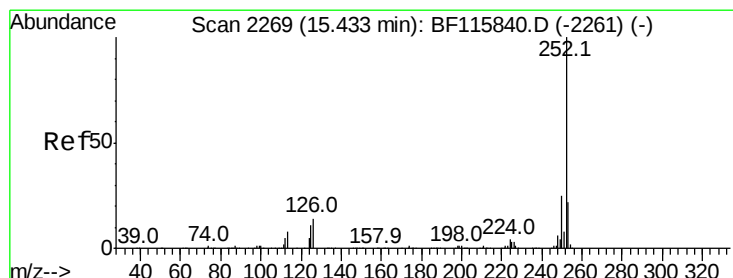
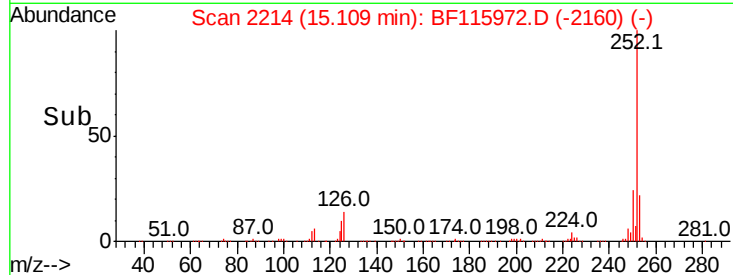
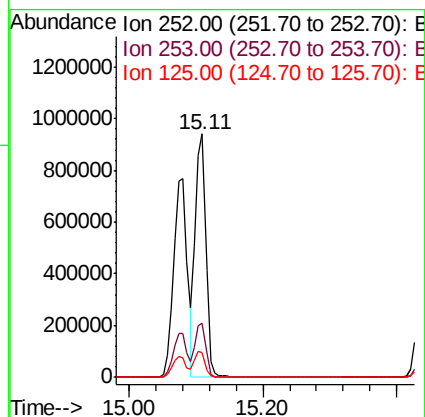
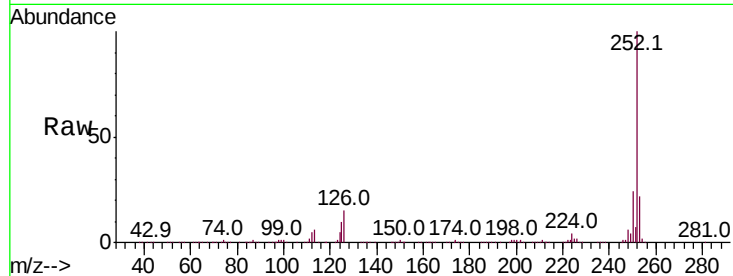
#89
Benzo(k)fluoranthene
Concen: 46.733 ng
RT: 15.11 min Scan# 2214
Delta R.T. 0.02 min
Lab File: BF115972.D
Acq: 3 Aug 2019 11:04

Instrument :
BNA_F
ClientSampleId :
PB121947BSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.2	27.4
125	10.0	8.9	13.3

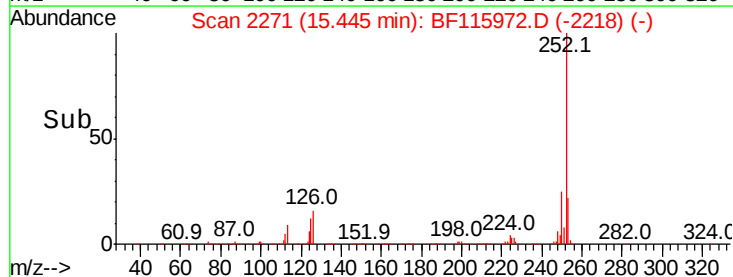
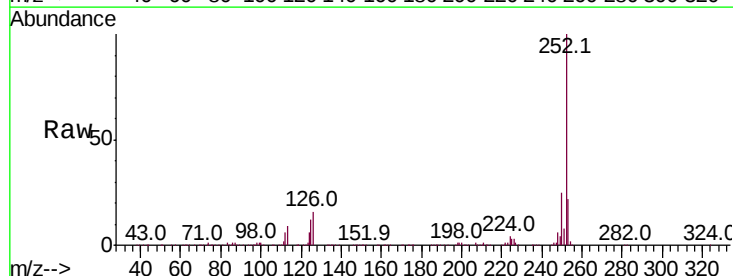
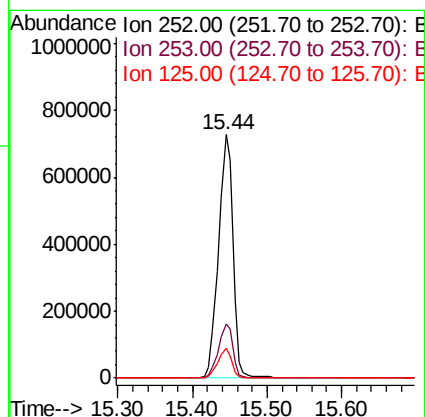
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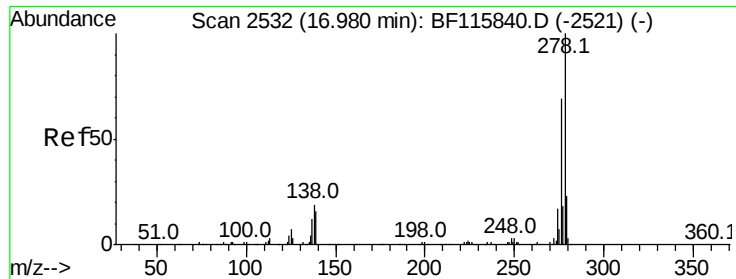
mohammad
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#90
Benzo(a)pyrene
Concen: 49.540 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.01 min
Lab File: BF115972.D
Acq: 3 Aug 2019 11:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.6
125	12.2	8.8	13.2





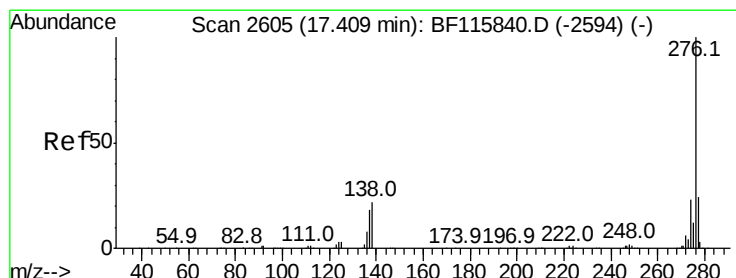
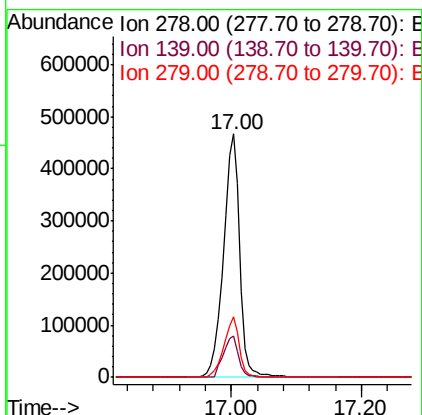
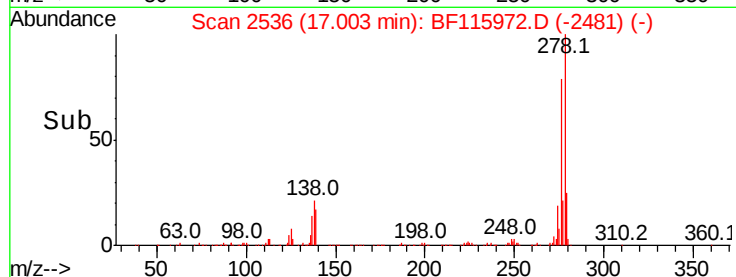
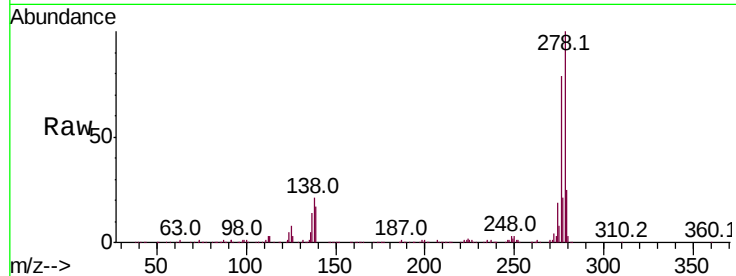
#91
Dibenzo(a,h)anthracene
Concen: 47.229 ng
RT: 17.00 min Scan# 2536
Delta R.T. 0.02 min
Lab File: BF115972.D
Acq: 3 Aug 2019 11:04

Instrument :
BNA_F
ClientSampleId :
PB121947BSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.2	12.6	19.0
279	24.7	18.8	28.2

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mohammad
8/8/2019 4:45:16 PM



#92
Benzo(g,h,i)perylene
Concen: 46.983 ng
RT: 17.44 min Scan# 2610
Delta R.T. 0.03 min
Lab File: BF115972.D
Acq: 3 Aug 2019 11:04

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.5	29.3
138	22.3	17.8	26.8

