

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082019\
 Data File : BF116437.D
 Acq On : 20 Aug 2019 18:34
 Operator : HP/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 21 01:14:24 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 19 06:03:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	111179	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	470225	20.00	ng	-0.01
39) Acenaphthene-d10	9.84	164	258292	20.00	ng	-0.01
64) Phenanthrene-d10	11.32	188	454094	20.00	ng	-0.02
76) Chrysene-d12	13.97	240	342399	20.00	ng	-0.01
87) Perylene-d12	15.42	264	350049	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	577197	86.91	ng	0.00
7) Phenol-d6	6.46	99	715383	85.38	ng	0.00
23) Nitrobenzene-d5	7.37	82	666352	81.80	ng	-0.01
42) 2,4,6-Tribromophenol	10.63	330	205438	82.04	ng	-0.01
45) 2-Fluorobiphenyl	9.16	172	1151857	83.53	ng	-0.01
79) Terphenyl-d14	12.90	244	1350610	83.12	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.52	88	136695	40.742	ng	99
3) Pyridine	3.27	79	347110	37.036	ng	99
4) n-Nitrosodimethylamine	3.23	42	138545	37.459	ng	98
6) Aniline	6.47	93	475650	39.638	ng	# 79
8) 2-Chlorophenol	6.60	128	325831	44.368	ng	99
9) Benzaldehyde	6.36	77	217635	37.643	ng	97
10) Phenol	6.47	94	412014	41.756	ng	84
11) bis(2-Chloroethyl)ether	6.54	93	313796	43.255	ng	98
12) 1,3-Dichlorobenzene	6.75	146	359628	42.372	ng	99
13) 1,4-Dichlorobenzene	6.82	146	368989	43.420	ng	98
14) 1,2-Dichlorobenzene	6.97	146	339216	43.351	ng	99
15) Benzyl Alcohol	6.96	79	261485	41.121	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.08	45	422251	42.672	ng	64
17) 2-Methylphenol	7.07	107	262530	42.218	ng	# 90
18) Hexachloroethane	7.31	117	134066	42.849	ng	99
19) n-Nitroso-di-n-propylamine	7.22	70	234871	45.234	ng	99
20) 3+4-Methylphenols	7.23	107	351479	47.763	ng	91
22) Acetophenone	7.22	105	447947	43.437	ng	# 94
24) Nitrobenzene	7.39	77	369098	41.962	ng	100
25) Isophorone	7.63	82	667576	42.857	ng	98
26) 2-Nitrophenol	7.71	139	180498	43.533	ng	97
27) 2,4-Dimethylphenol	7.75	122	258977	41.516	ng	98
28) bis(2-Chloroethoxy)methane	7.83	93	417458	43.239	ng	100
29) 2,4-Dichlorophenol	7.96	162	284321	43.167	ng	98
30) 1,2,4-Trichlorobenzene	8.03	180	312040	41.561	ng	99
31) Naphthalene	8.11	128	949399	42.905	ng	98
32) Benzoic acid	7.92	122	143167	32.553	ng	97
33) 4-Chloroaniline	8.16	127	411299	41.601	ng	98
34) Hexachlorobutadiene	8.22	225	181725	42.021	ng	100
35) Caprolactam	8.53	113	36975	17.357	ng	97
36) 4-Chloro-3-methylphenol	8.66	107	300373	43.837	ng	97
37) 2-Methylnaphthalene	8.80	142	621524	42.649	ng	99
38) 1-Methylnaphthalene	8.90	142	593666	43.061	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.97	216	288293	41.750	ng	100

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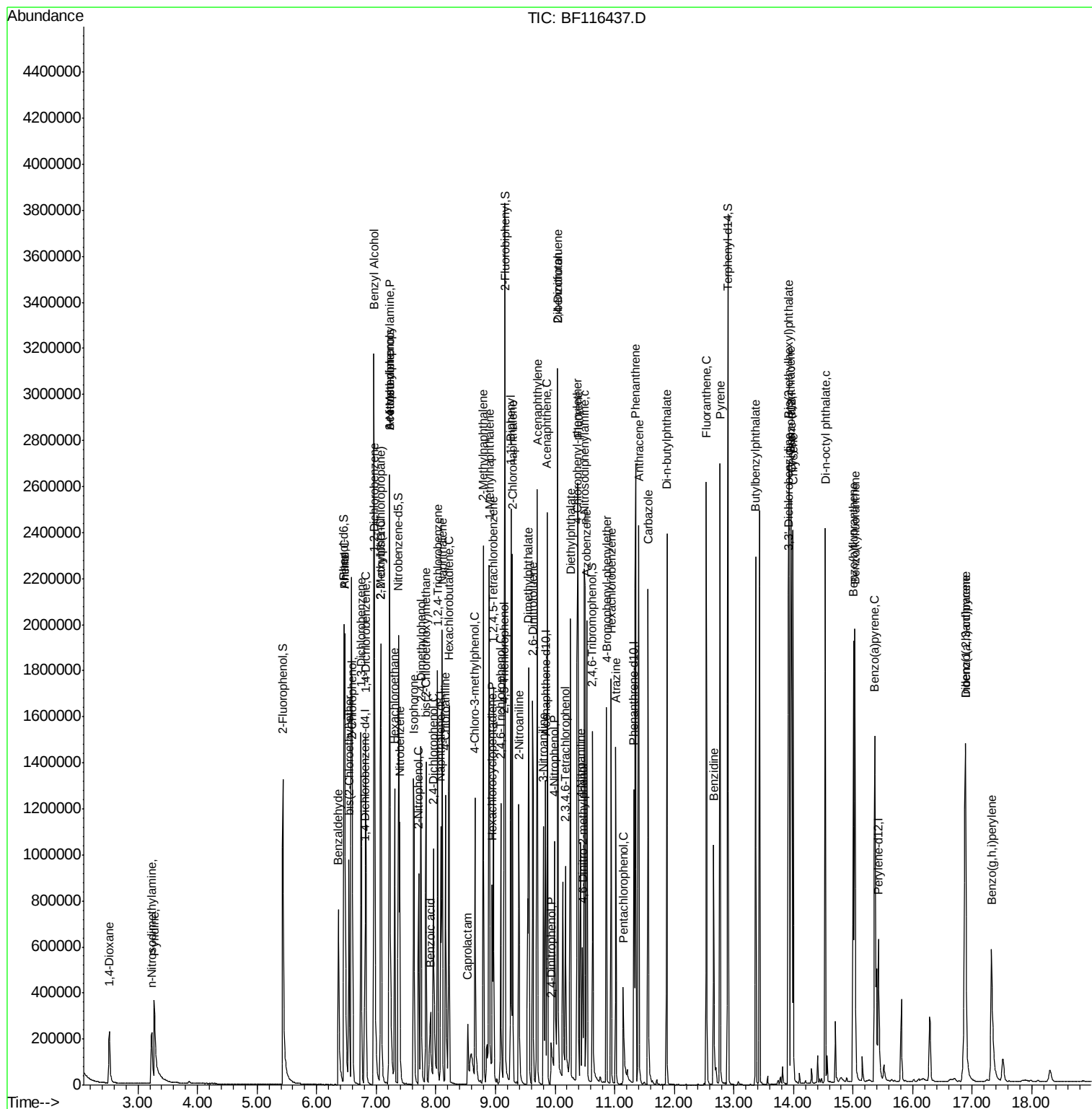
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.95	237	107946	38.166	ng	99
43) 2,4,6-Trichlorophenol	9.09	196	172549	36.304	ng	99
44) 2,4,5-Trichlorophenol	9.14	196	170642	34.732	ng	98
46) 1,1'-Biphenyl	9.26	154	770874	42.274	ng	99
47) 2-Chloronaphthalene	9.29	162	629747	41.493	ng	99
48) 2-Nitroaniline	9.39	65	205888	41.041	ng	97
49) Acenaphthylene	9.70	152	928252	41.923	ng	98
50) Dimethylphthalate	9.56	163	730063	41.512	ng	99
51) 2,6-Dinitrotoluene	9.63	165	160611	42.024	ng	98
52) Acenaphthene	9.87	154	565236	41.611	ng	99
53) 3-Nitroaniline	9.80	138	191458	40.542	ng	97
54) 2,4-Dinitrophenol	9.94	184	50663	31.330	ng	98
55) Dibenzofuran	10.05	168	801682	40.582	ng	100
56) 4-Nitrophenol	9.99	139	202423	66.912	ng	91
57) 2,4-Dinitrotoluene	10.05	165	202058	39.708	ng	92
58) Fluorene	10.39	166	665675	43.799	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.17	232	149204	36.097	ng	96
60) Diethylphthalate	10.26	149	719242	43.804	ng	100
61) 4-Chlorophenyl-phenylether	10.37	204	340443	44.229	ng	98
62) 4-Nitroaniline	10.43	138	184872	37.881	ng	98
63) Azobenzene	10.53	77	735318	43.540	ng	98
65) 4,6-Dinitro-2-methylphenol	10.46	198	101321	42.105	ng	96
66) n-Nitrosodiphenylamine	10.50	169	588341	43.046	ng	100
67) 4-Bromophenyl-phenylether	10.86	248	209304	43.057	ng	99
68) Hexachlorobenzene	10.94	284	233331	41.510	ng	97
69) Atrazine	11.02	200	164828	36.658	ng	99
70) Pentachlorophenol	11.15	266	94084	34.476	ng	99
71) Phenanthrene	11.35	178	977787	42.120	ng	100
72) Anthracene	11.40	178	1015142	43.209	ng	99
73) Carbazole	11.56	167	924462	43.372	ng	99
74) Di-n-butylphthalate	11.87	149	1153622	46.396	ng	99
75) Fluoranthene	12.54	202	1055924	43.448	ng	98
77) Benzidine	12.66	184	463794	40.094	ng	99
78) Pyrene	12.77	202	1060729	41.097	ng	99
80) Butylbenzylphthalate	13.37	149	487524	44.653	ng	97
81) Benzo(a)anthracene	13.96	228	935688	42.755	ng	100
82) 3,3'-Dichlorobenzidine	13.91	252	329782	43.374	ng	99
83) Chrysene	14.00	228	915038	43.067	ng	99
84) Bis(2-ethylhexyl)phthalate	13.92	149	681708	48.049	ng	99
85) Di-n-octyl phthalate	14.53	149	1087140	48.241	ng	100
86) Indeno(1,2,3-cd)pyrene	16.89	276	759482	42.560	ng	100
88) Benzo(b)fluoranthene	15.00	252	830229	41.019	ng	100
89) Benzo(k)fluoranthene	15.03	252	810090	41.092	ng	99
90) Benzo(a)pyrene	15.36	252	749707	41.436	ng	99
91) Dibenzo(a,h)anthracene	16.88	278	626753	40.018	ng	98
92) Benzo(g,h,i)perylene	17.32	276	593979	38.617	ng	98

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

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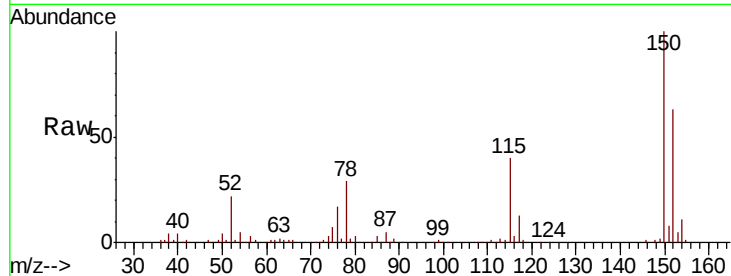


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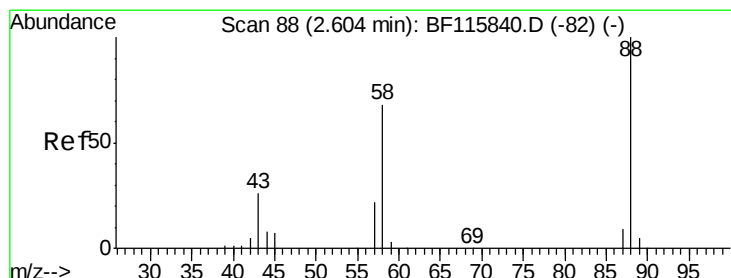
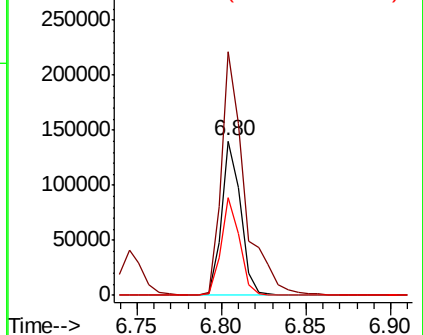
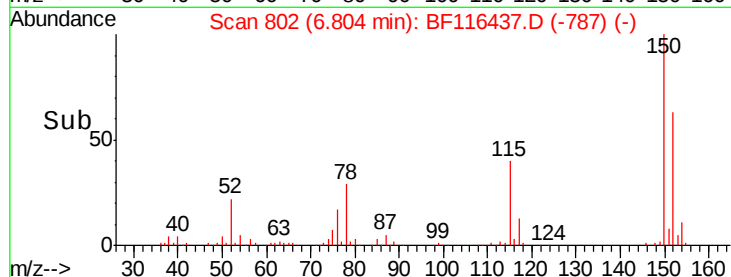
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF116437.D
Acq: 20 Aug 2019 18:34

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 111179
Ion Ratio Lower Upper
152 100
150 157.7 126.2 189.2
115 63.4 49.9 74.9



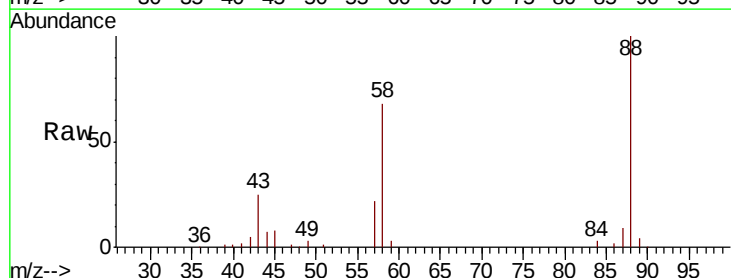
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



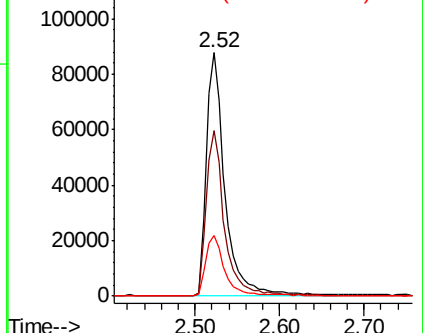
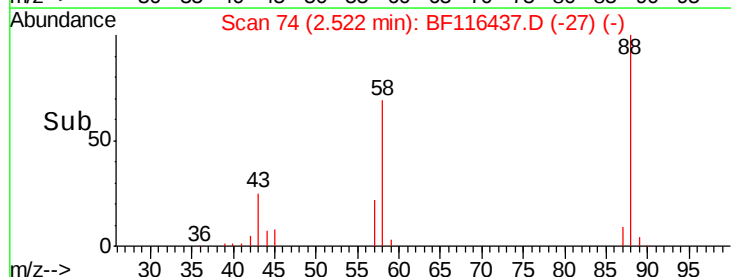
#2

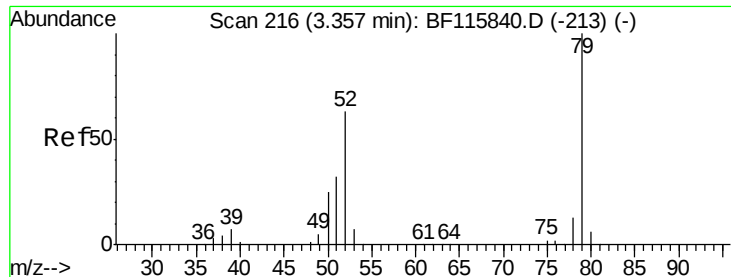
1,4-Dioxane
Concen: 40.742 ng
RT: 2.52 min Scan# 74
Delta R.T. -0.02 min
Lab File: BF116437.D
Acq: 20 Aug 2019 18:34

Tgt Ion: 88 Resp: 136695
Ion Ratio Lower Upper
88 100
58 66.6 53.7 80.5
43 25.6 21.0 31.4



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: 37.036 ng

RT: 3.27 min Scan# 202

Delta R.T. -0.02 min

Lab File: BF116437.D

Acq: 20 Aug 2019 18:34

Instrument :

BNA_F

ClientSampleId :

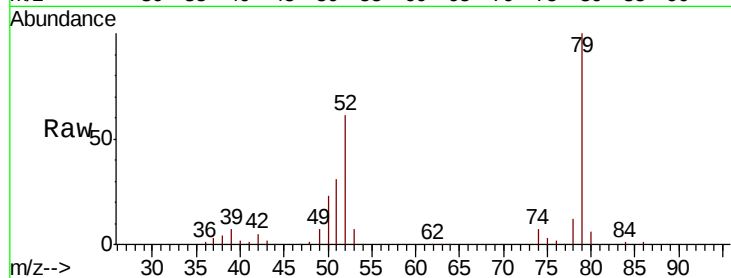
Tot Ion: 79 Resp: 347110

Ion Ratio Lower Upper

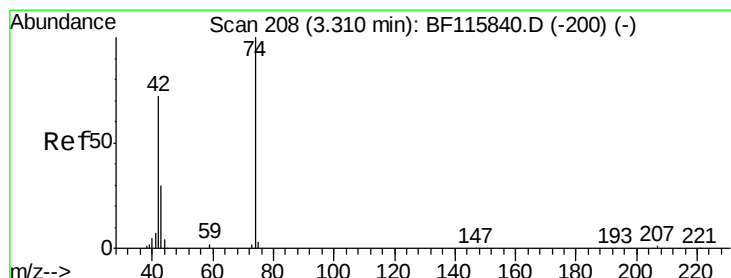
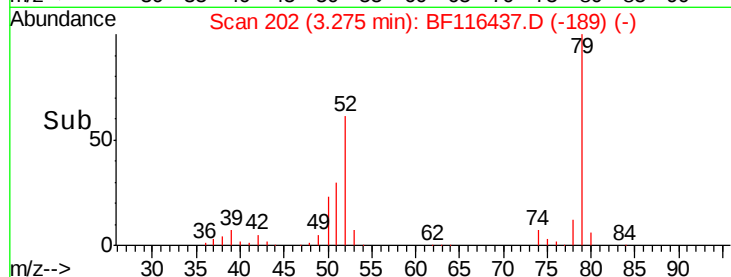
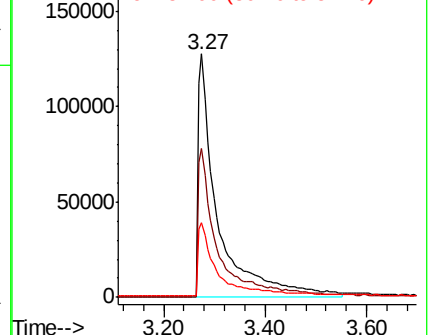
79 100

52 61.2 49.8 74.8

51 30.9 25.2 37.8



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 52.00 (51.70 to 52.70): BF1
Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 37.459 ng

RT: 3.23 min Scan# 195

Delta R.T. -0.02 min

Lab File: BF116437.D

Acq: 20 Aug 2019 18:34

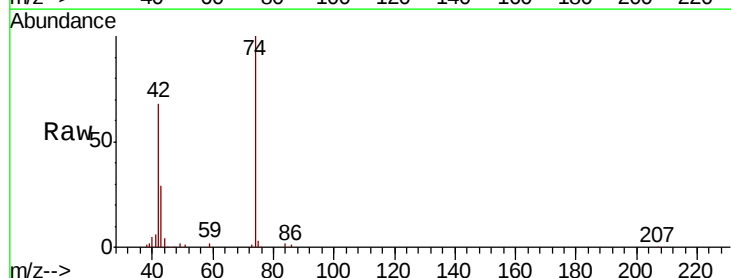
Tgt Ion: 42 Resp: 138545

Ion Ratio Lower Upper

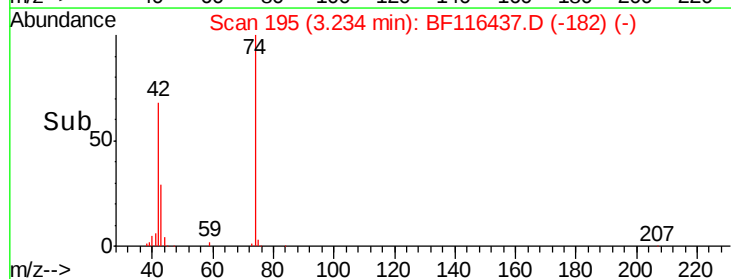
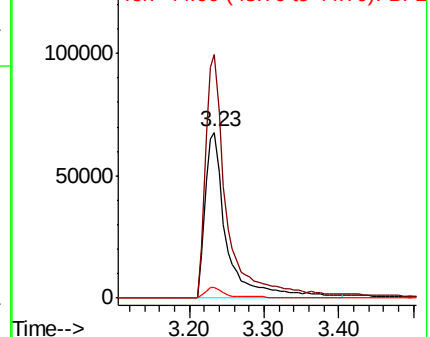
42 100

74 147.1 116.0 174.0

44 6.4 4.6 7.0



Abundance Ion 42.00 (41.70 to 42.70): BF1
Ion 74.00 (73.70 to 74.70): BF1
Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 86.911 ng

RT: 5.43 min Scan# 569

Delta R.T. -0.01 min

Lab File: BF116437.D

Acq: 20 Aug 2019 18:34

Instrument :

BNA_F

ClientSampleId :

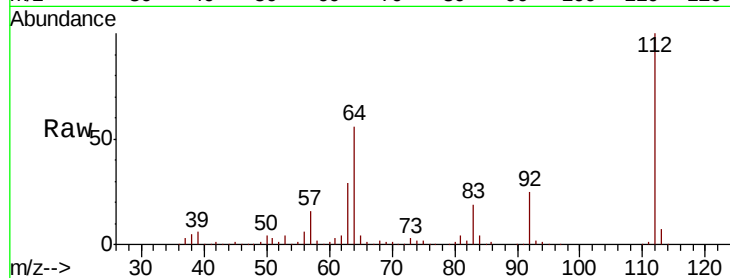
Tot Ion:112 Resp: 577197

Ion Ratio Lower Upper

112 100

64 56.4 45.4 68.2

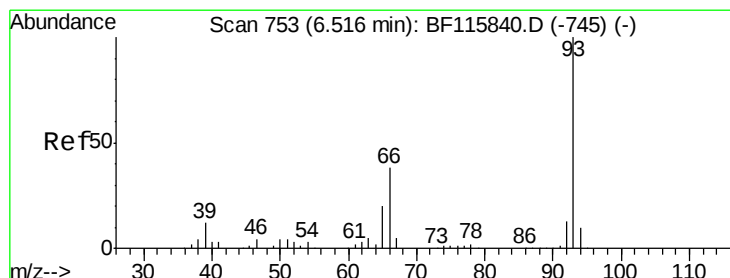
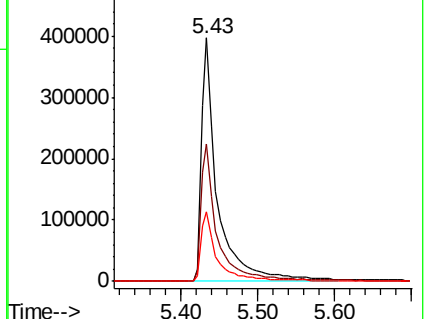
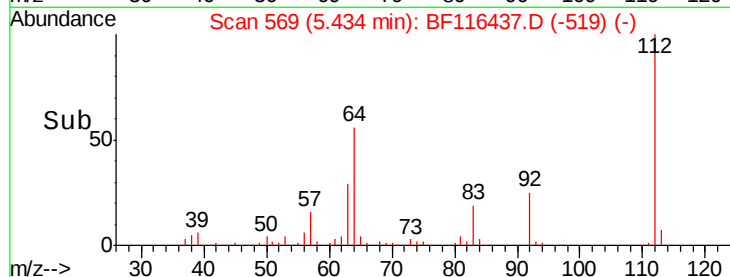
63 28.7 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 39.638 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116437.D

Acq: 20 Aug 2019 18:34

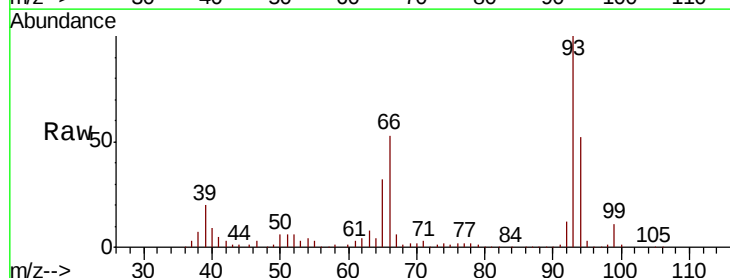
Tgt Ion: 93 Resp: 475650

Ion Ratio Lower Upper

93 100

66 53.5 32.2 48.4#

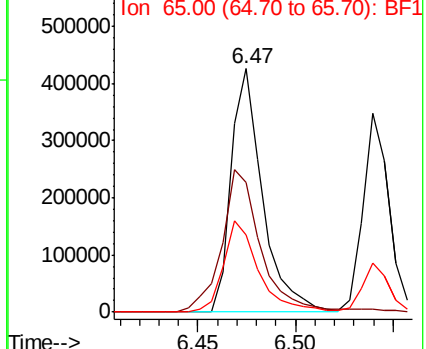
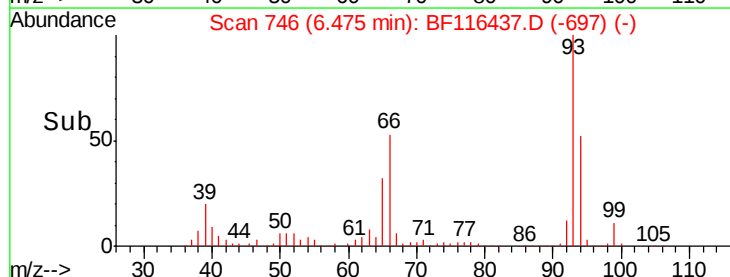
65 31.6 17.0 25.6#

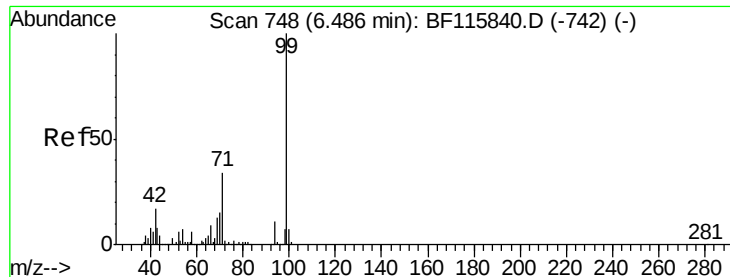


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 85.377 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF116437.D

Acq: 20 Aug 2019 18:34

Instrument :

BNA_F

ClientSampleId :

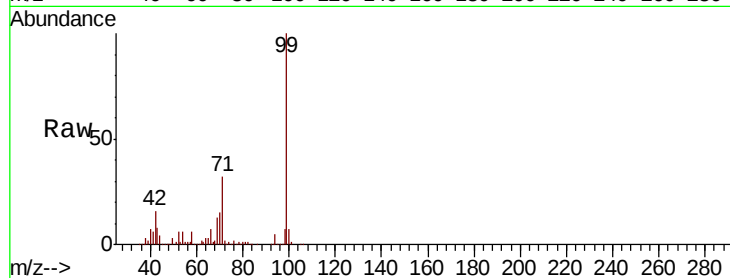
Tot Ion: 99 Resp: 715383

Ion Ratio Lower Upper

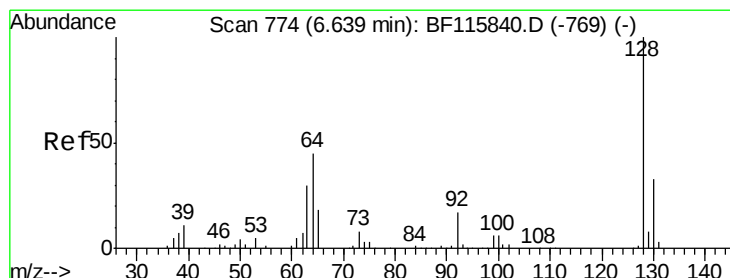
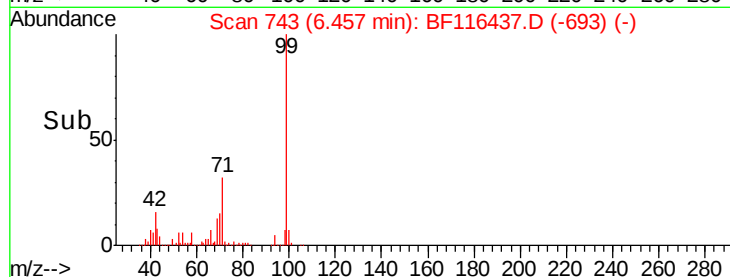
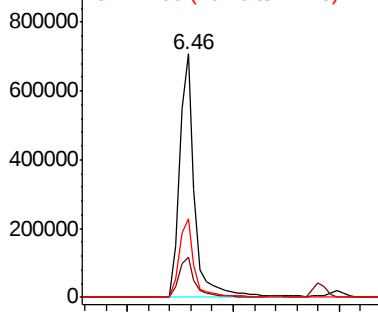
99 100

42 16.4 13.8 20.8

71 32.2 27.3 40.9



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 44.368 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.01 min

Lab File: BF116437.D

Acq: 20 Aug 2019 18:34

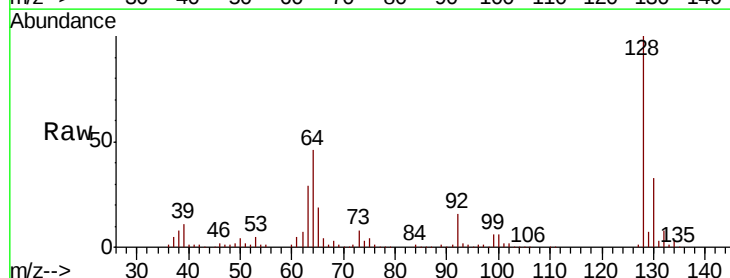
Tgt Ion: 128 Resp: 325831

Ion Ratio Lower Upper

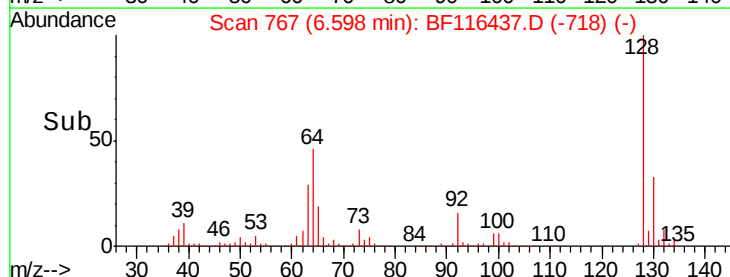
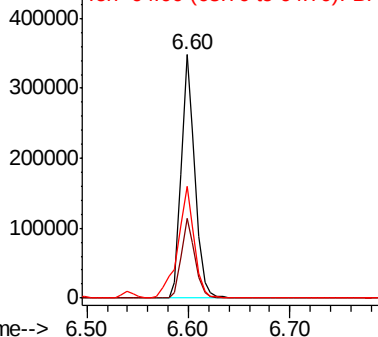
128 100

130 32.5 12.9 52.9

64 45.7 24.3 64.3



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 37.643 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF116437.D

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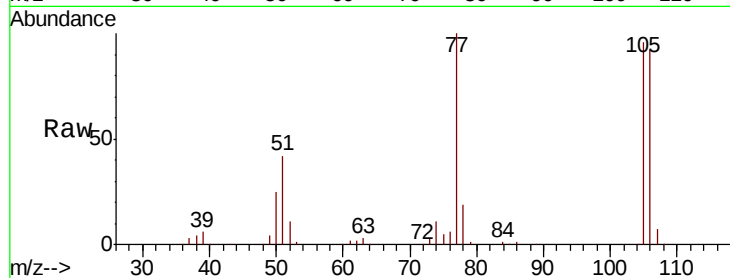
Tot Ion: 77 Resp: 217635

Ion Ratio Lower Upper

77 100

105 95.8 79.2 119.2

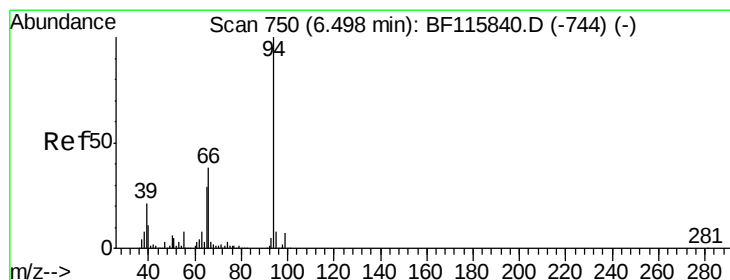
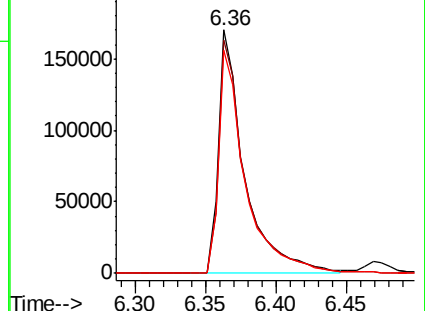
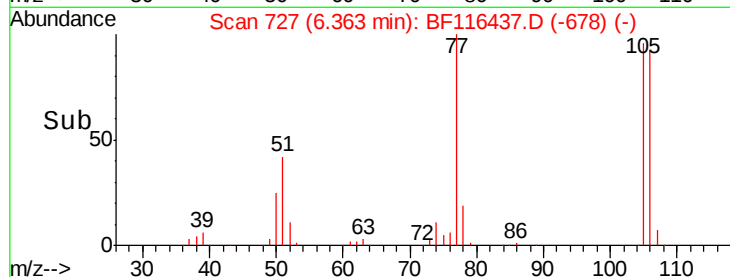
106 91.5 74.3 114.3



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 41.756 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF116437.D

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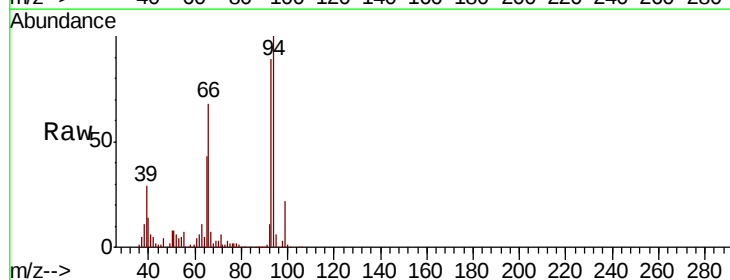
Tgt Ion: 94 Resp: 412014

Ion Ratio Lower Upper

94 100

65 43.3 16.8 56.8

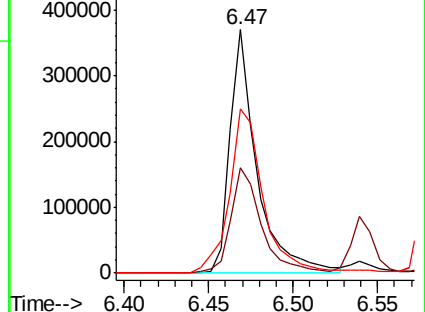
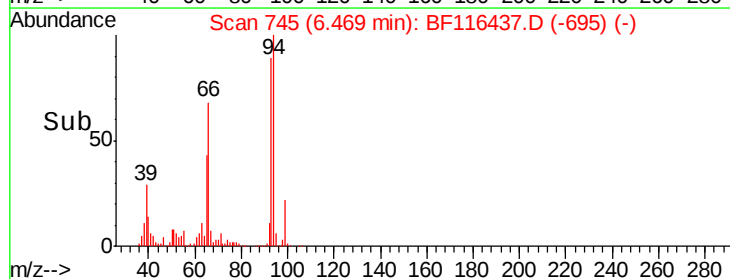
66 67.5 34.2 74.2



Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

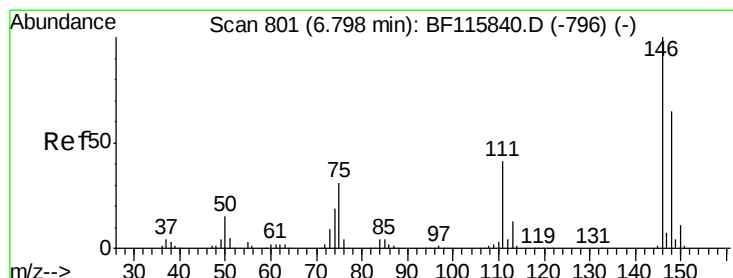
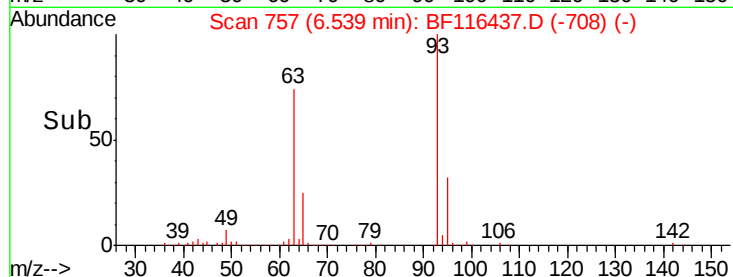
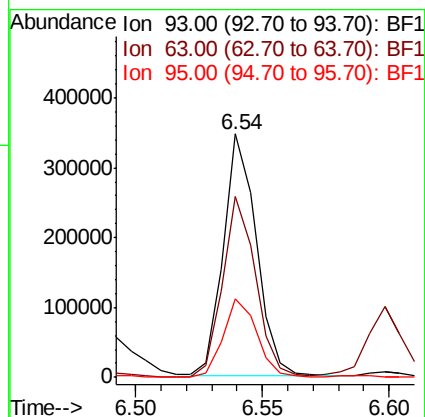
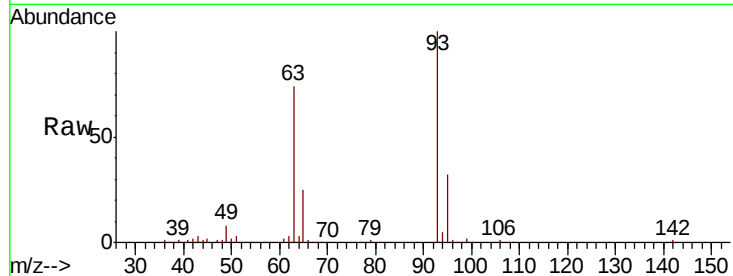




#11
 bis(2-Chloroethyl)ether
 Concen: 43.255 ng
 RT: 6.54 min Scan# 757
 Delta R.T. -0.01 min
 Lab File: BF116437.D
 Acq: 20 Aug 2019 18:34

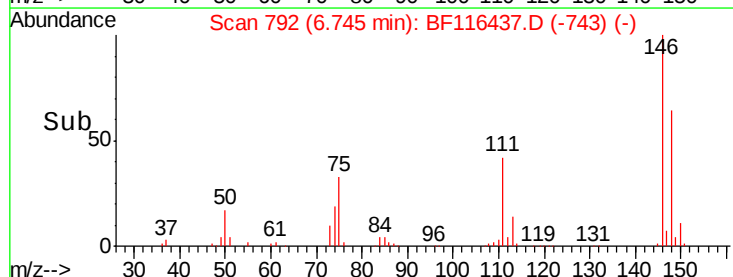
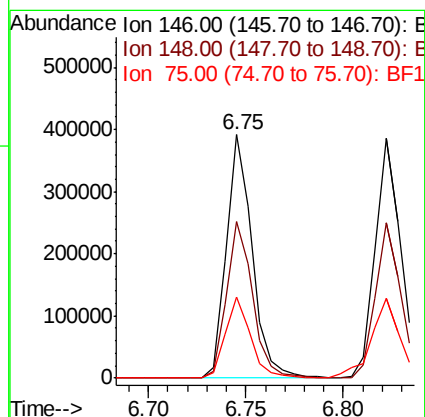
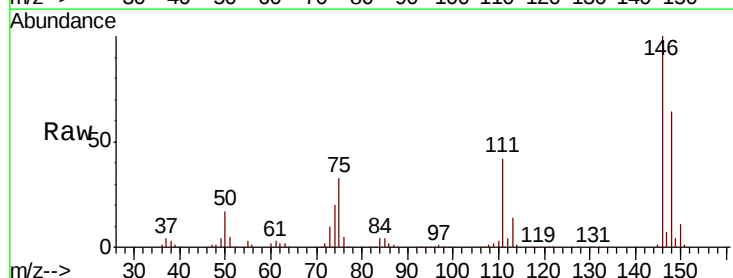
Instrument :
 BNA_F
 ClientSampleId :

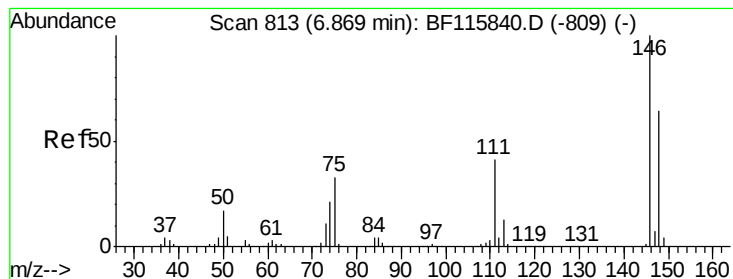
Tot Ion: 93 Resp: 313796
 Ion Ratio Lower Upper
 93 100
 63 74.5 51.9 91.9
 95 32.4 13.0 53.0



#12
 1,3-Dichlorobenzene
 Concen: 42.372 ng
 RT: 6.75 min Scan# 792
 Delta R.T. -0.01 min
 Lab File: BF116437.D
 Acq: 20 Aug 2019 18:34

Tgt Ion: 146 Resp: 359628
 Ion Ratio Lower Upper
 146 100
 148 64.2 51.3 76.9
 75 33.4 27.4 41.2





#13

1,4-Dichlorobenzene

Concen: 43.420 ng

RT: 6.82 min Scan# 805

Delta R.T. -0.01 min

Lab File: BF116437.D

Acq: 20 Aug 2019 18:34

Instrument :

BNA_F

ClientSampled :

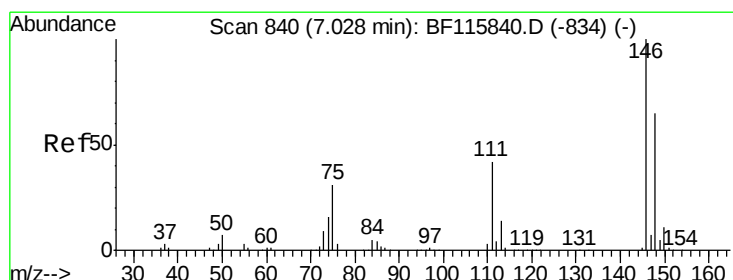
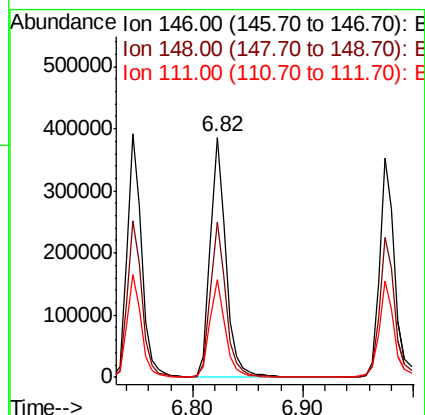
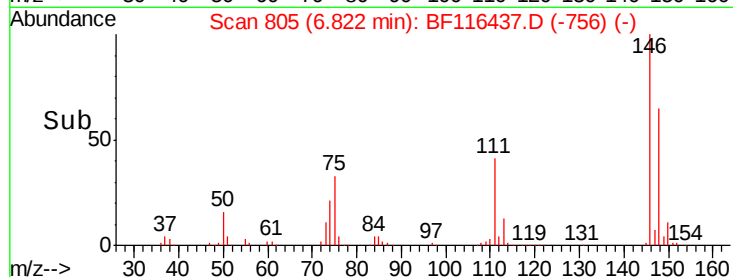
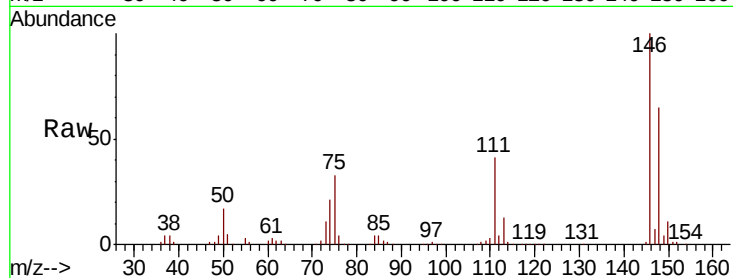
Tot Ion:146 Resp: 368989

Ion Ratio Lower Upper

146 100

148 64.8 51.3 76.9

111 40.8 34.0 51.0



#14

1,2-Dichlorobenzene

Concen: 43.351 ng

RT: 6.97 min Scan# 831

Delta R.T. -0.01 min

Lab File: BF116437.D

Acq: 20 Aug 2019 18:34

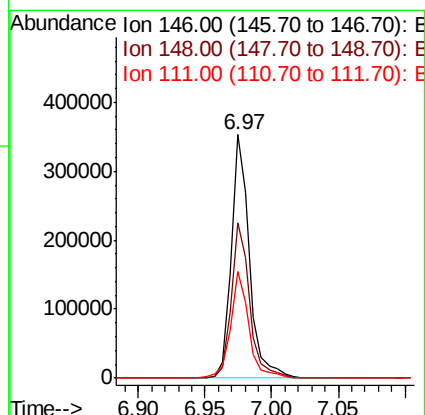
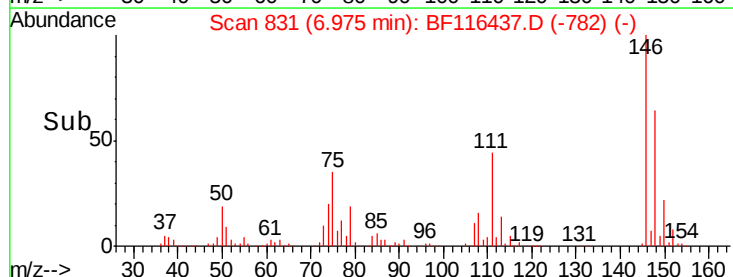
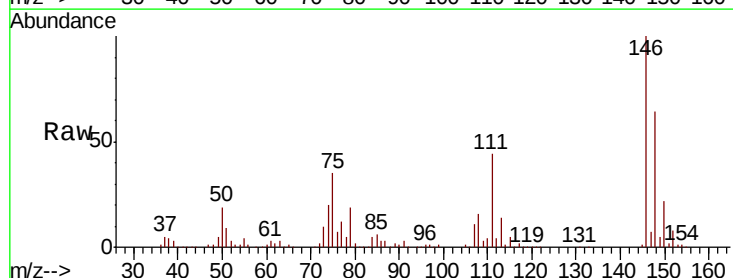
Tgt Ion:146 Resp: 339216

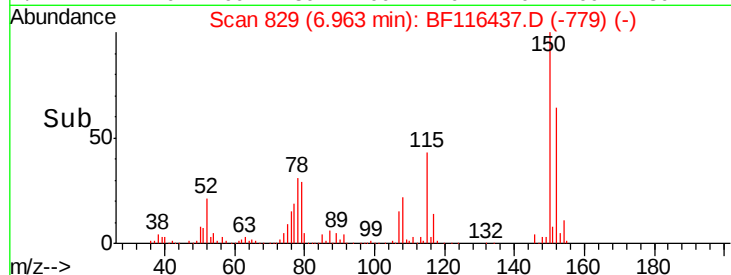
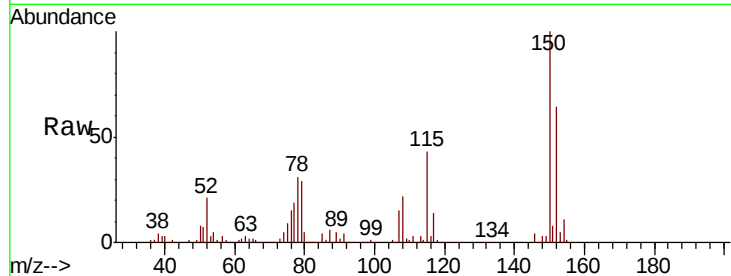
Ion Ratio Lower Upper

146 100

148 64.0 51.2 76.8

111 43.8 33.5 50.3





#15

Benzyl Alcohol

Concen: 41.121 ng

RT: 6.96 min Scan# 829

Delta R.T. -0.01 min

Lab File: BF116437.D

Acq: 20 Aug 2019 18:34

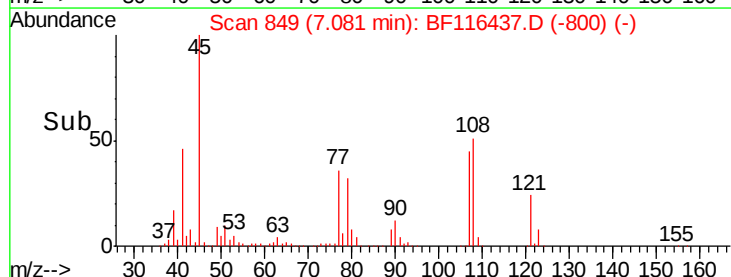
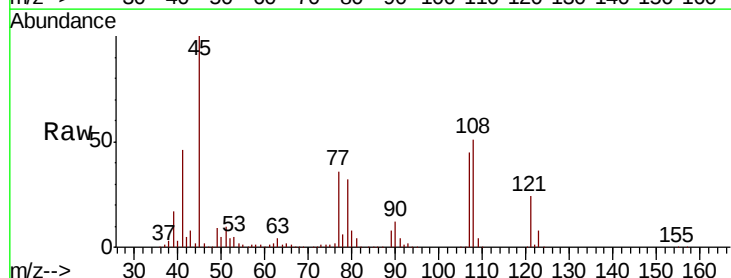
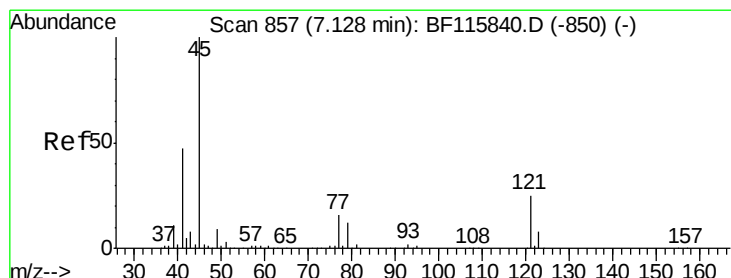
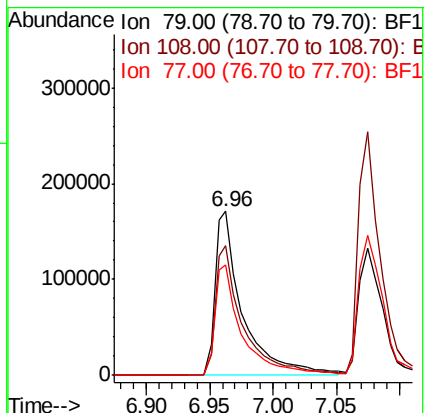
Tot Ion: 79 Resp: 261485

Ion Ratio Lower Upper

79 100

108 78.7 62.7 94.1

77 67.0 52.2 78.2



#16

2,2'-oxybis(1-Chloropropane)

Concen: 42.672 ng

RT: 7.08 min Scan# 849

Delta R.T. -0.01 min

Lab File: BF116437.D

Acq: 20 Aug 2019 18:34

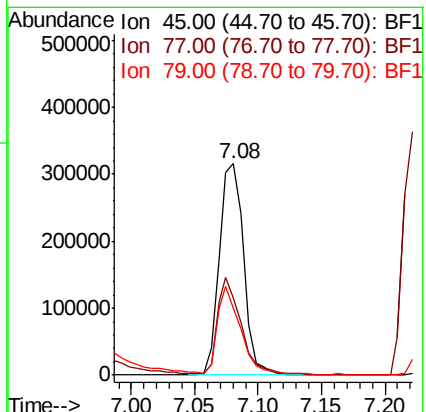
Tgt Ion: 45 Resp: 422251

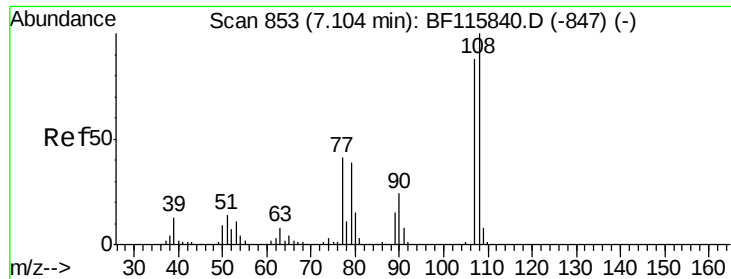
Ion Ratio Lower Upper

45 100

77 36.4 0.0 40.0

79 31.8 0.0 35.9





#17

2-Methylphenol

Concen: 42.218 ng

RT: 7.07 min Scan# 848

Delta R.T. -0.01 min

Lab File: BF116437.D

Acq: 20 Aug 2019 18:34

Instrument :

BNA_F

ClientSampled :

Tot Ion:107 Resp: 262530

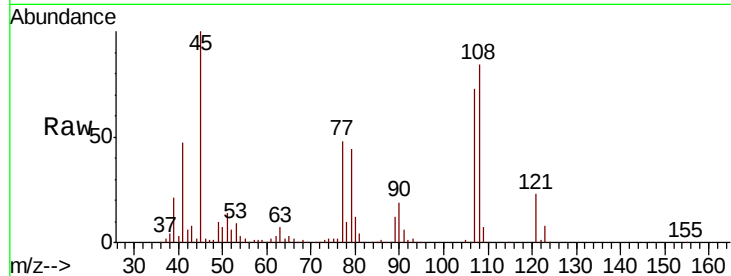
Ion Ratio Lower Upper

107 100

108 115.1 91.2 136.8

77 66.4 40.3 60.5#

79 59.9 37.6 56.4#



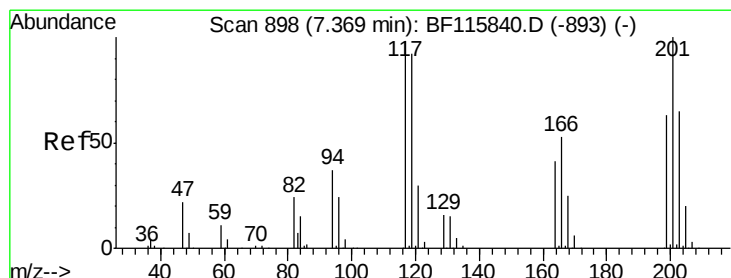
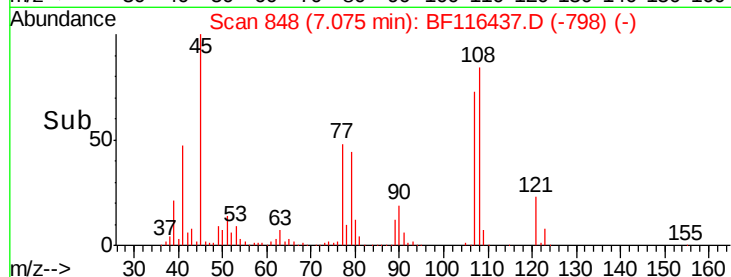
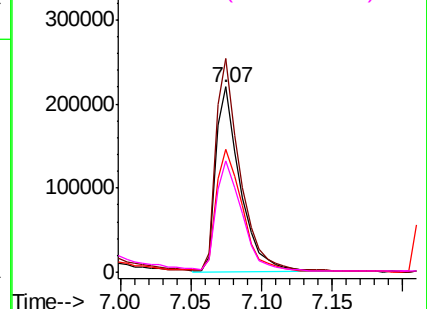
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18

Hexachloroethane

Concen: 42.849 ng

RT: 7.31 min Scan# 888

Delta R.T. -0.02 min

Lab File: BF116437.D

Acq: 20 Aug 2019 18:34

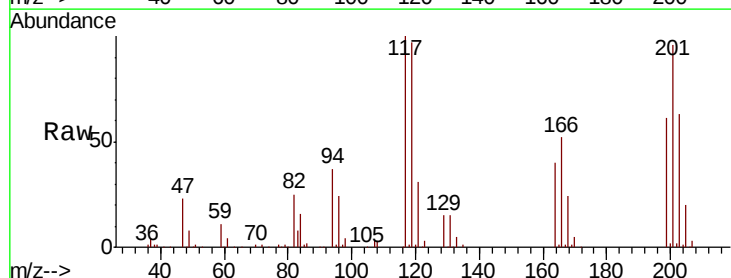
Tgt Ion:117 Resp: 134066

Ion Ratio Lower Upper

117 100

119 97.0 76.1 114.1

201 95.9 77.0 115.4

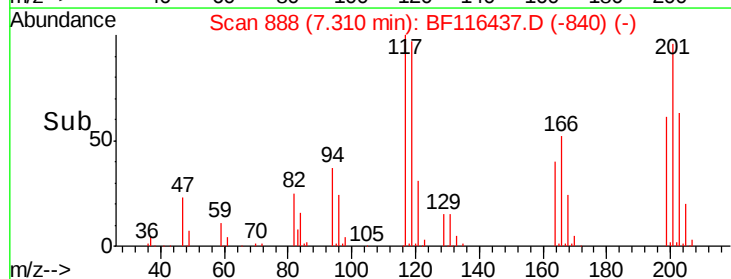
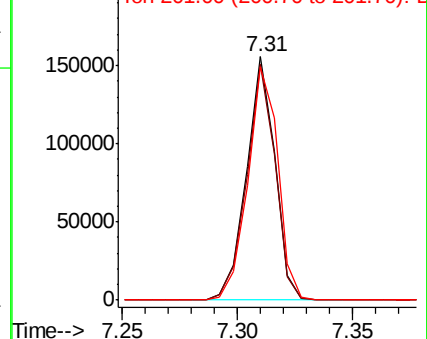


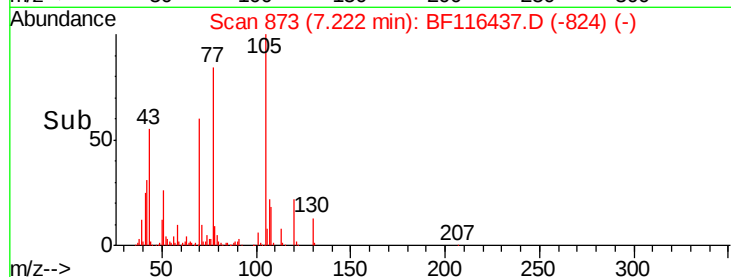
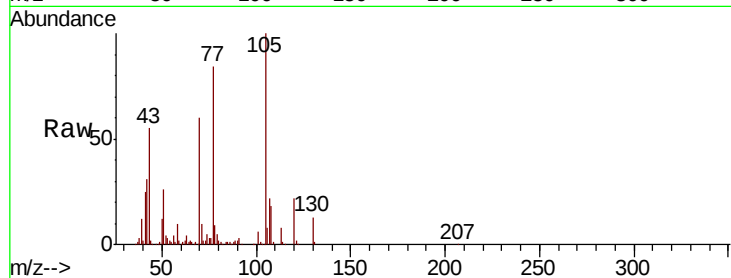
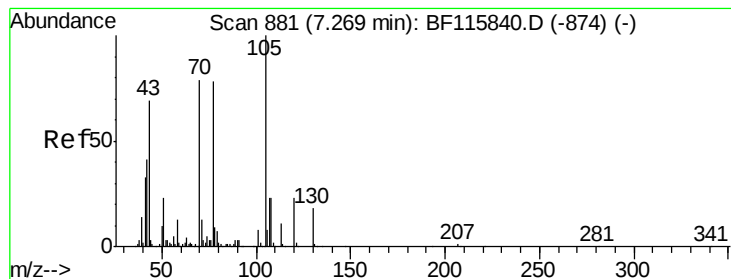
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 45.234 ng

RT: 7.22 min Scan# 873

Delta R.T. -0.01 min

Lab File: BF116437.D

Acq: 20 Aug 2019 18:34

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 234871

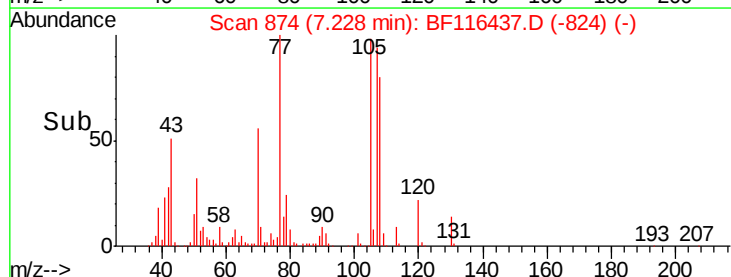
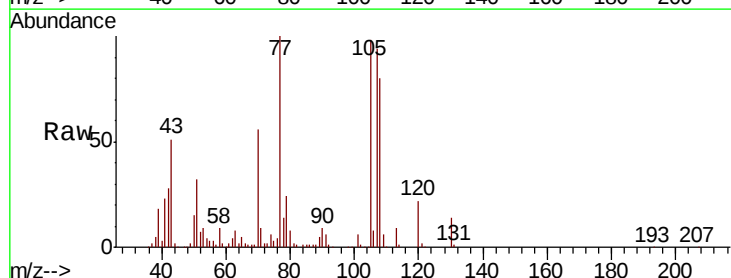
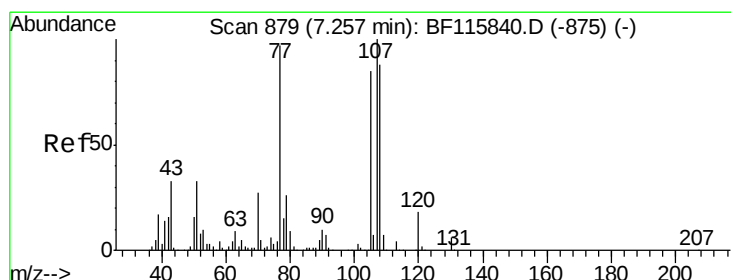
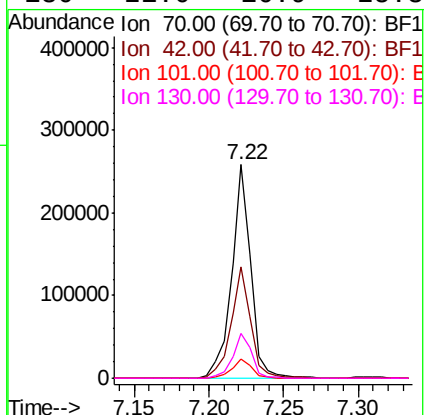
Ion Ratio Lower Upper

70 100

42 52.2 40.9 61.3

101 9.3 7.9 11.9

130 21.0 16.9 25.3



#20

3+4-Methylphenols

Concen: 47.763 ng

RT: 7.23 min Scan# 874

Delta R.T. -0.01 min

Lab File: BF116437.D

Acq: 20 Aug 2019 18:34

Tgt Ion: 107 Resp: 351479

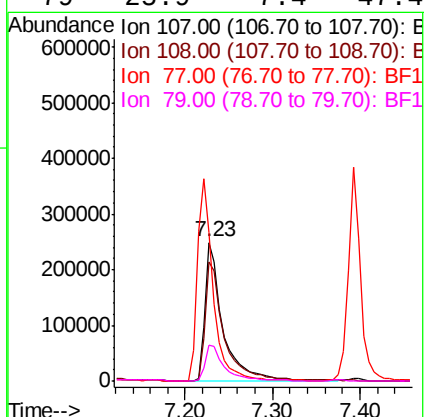
Ion Ratio Lower Upper

107 100

108 85.8 67.6 107.6

77 106.8 104.4 144.4

79 25.9 7.4 47.4





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.01 min

Lab File: BF116437.D

Acq: 20 Aug 2019 18:34

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 470225

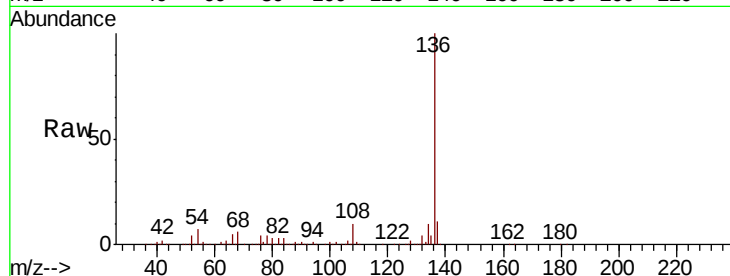
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.4

54 6.6 5.8 8.6

68 6.1 5.2 7.8

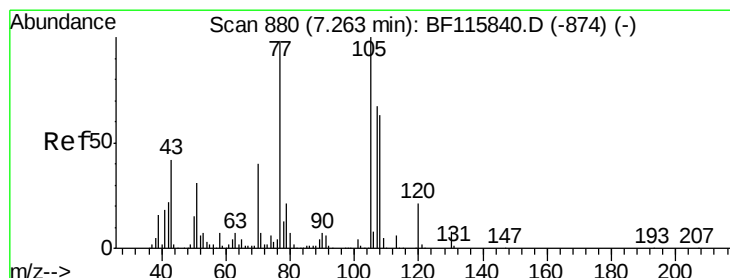
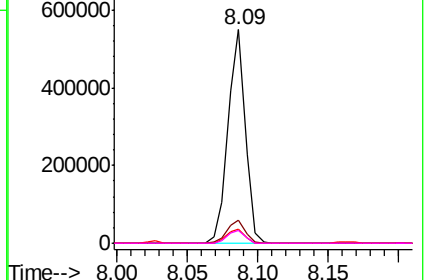
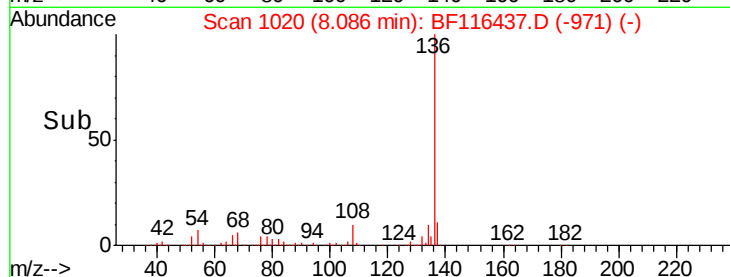


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 43.437 ng

RT: 7.22 min Scan# 873

Delta R.T. -0.01 min

Lab File: BF116437.D

Acq: 20 Aug 2019 18:34

Tgt Ion:105 Resp: 447947

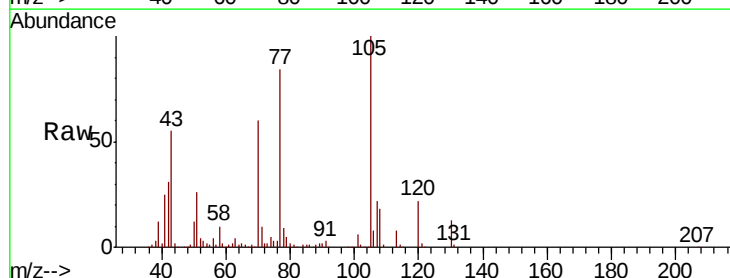
Ion Ratio Lower Upper

105 100

71 9.8 5.9 8.9#

51 26.3 25.3 37.9

120 22.5 17.9 26.9

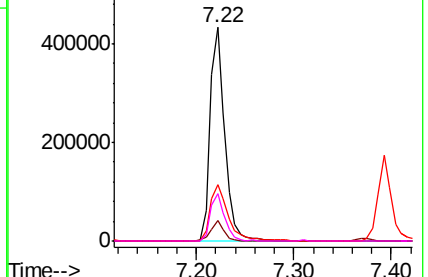
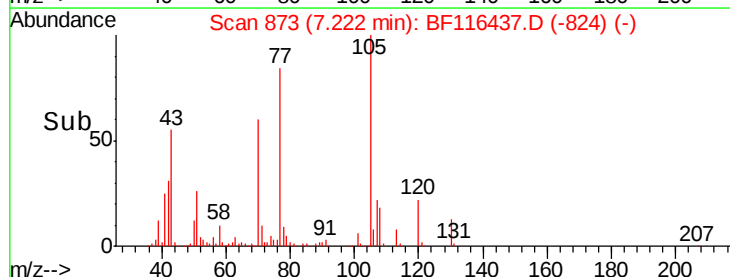


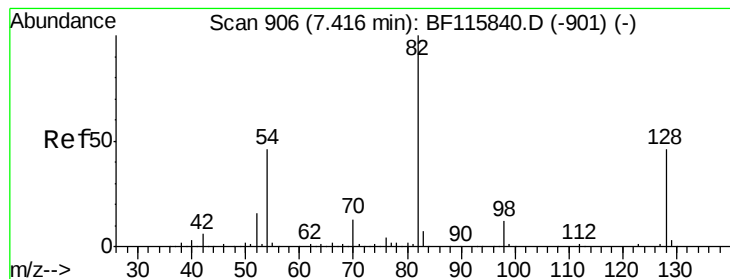
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 81.799 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF116437.D

Acq: 20 Aug 2019 18:34

Instrument :

BNA_F

ClientSampled :

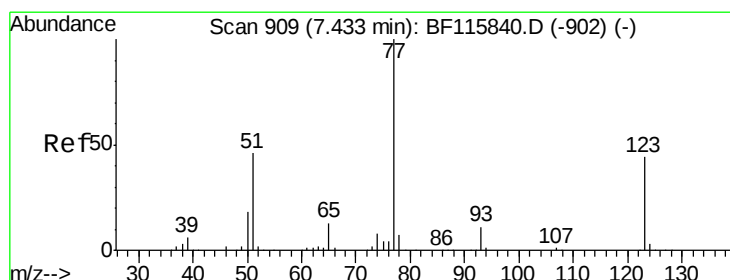
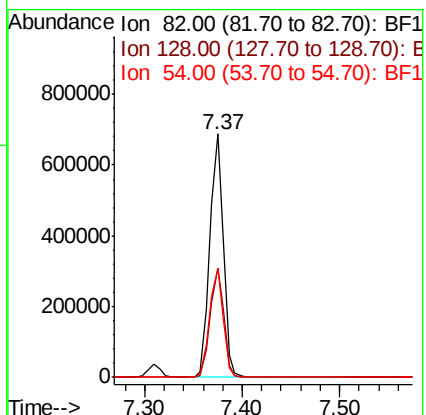
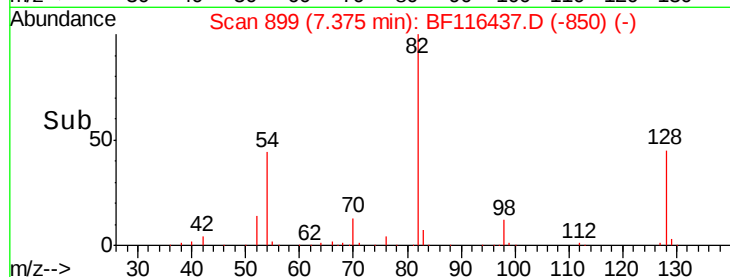
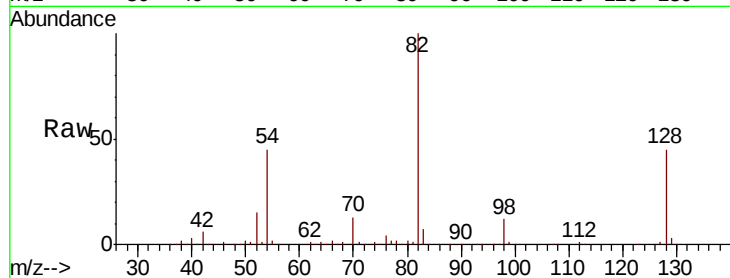
Tot Ion: 82 Resp: 666352

Ion Ratio Lower Upper

82 100

128 45.0 36.5 54.7

54 44.7 36.0 54.0



#24

Nitrobenzene

Concen: 41.962 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.01 min

Lab File: BF116437.D

Acq: 20 Aug 2019 18:34

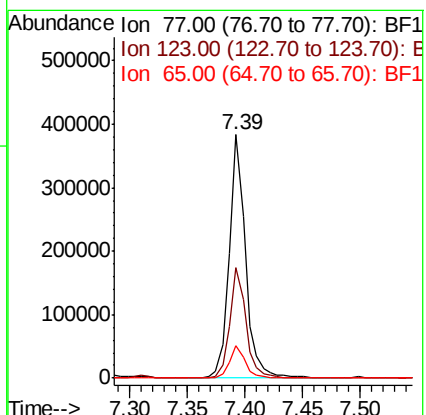
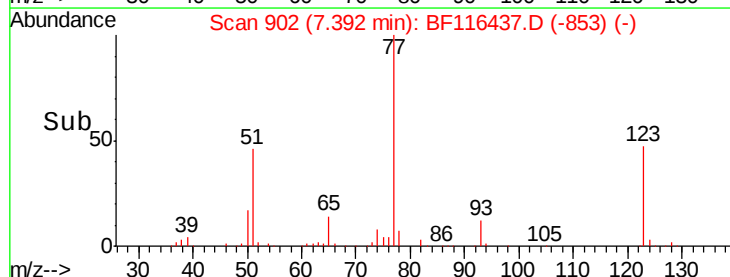
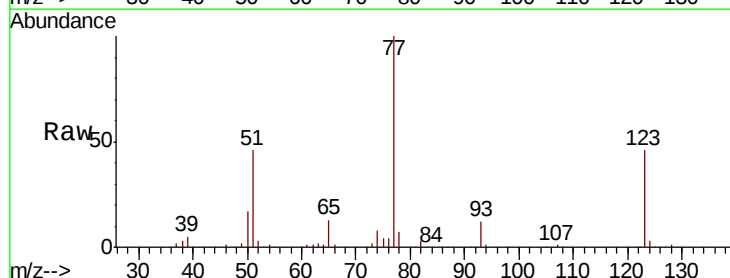
Tgt Ion: 77 Resp: 369098

Ion Ratio Lower Upper

77 100

123 45.6 36.7 55.1

65 13.4 10.6 16.0





#25

Isophorone

Concen: 42.857 ng

RT: 7.63 min Scan# 942

Delta R.T. -0.01 min

Lab File: BF116437.D

Acq: 20 Aug 2019 18:34

Instrument :

BNA_F

ClientSampleId :

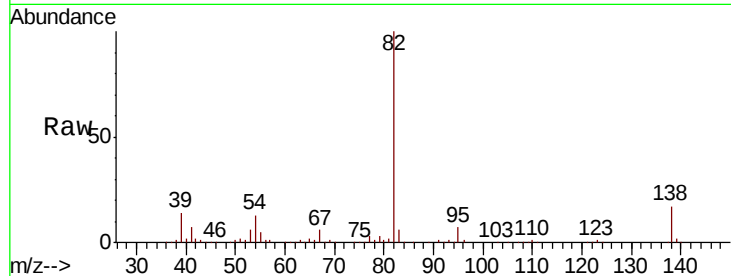
Tot Ion: 82 Resp: 667576

Ion Ratio Lower Upper

82 100

95 6.5 5.4 8.0

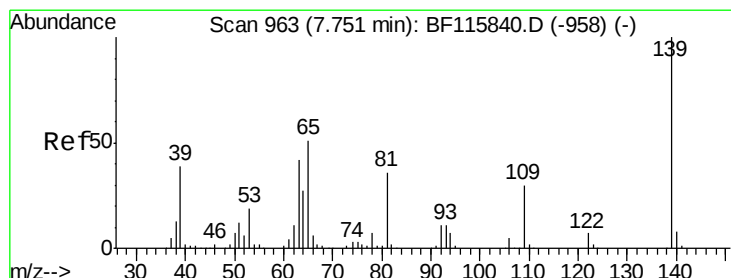
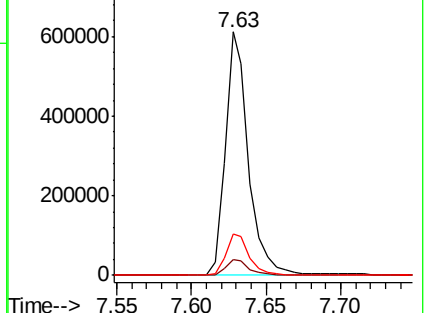
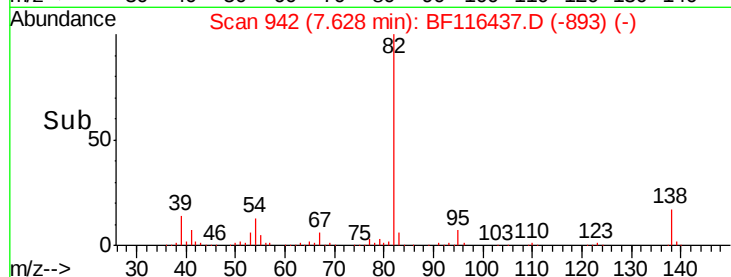
138 17.1 14.5 21.7



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 43.533 ng

RT: 7.71 min Scan# 956

Delta R.T. -0.01 min

Lab File: BF116437.D

Acq: 20 Aug 2019 18:34

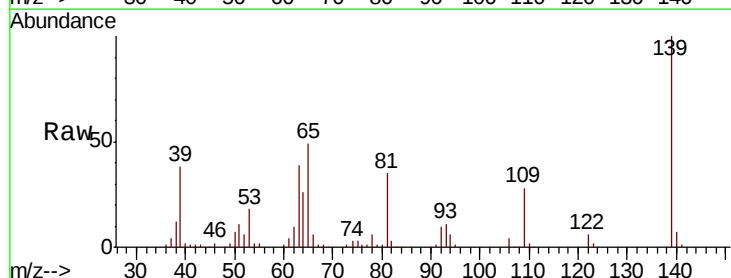
Tgt Ion: 139 Resp: 180498

Ion Ratio Lower Upper

139 100

109 28.0 23.4 35.2

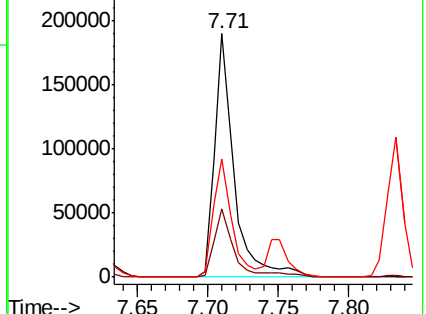
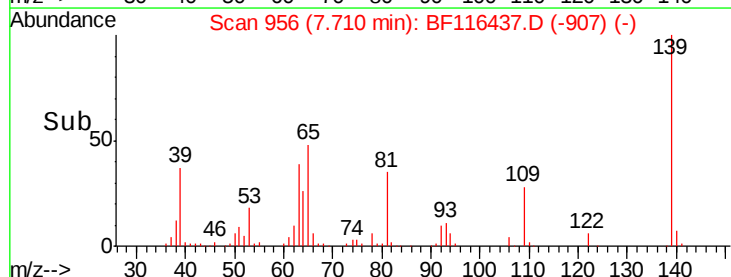
65 48.6 41.1 61.7

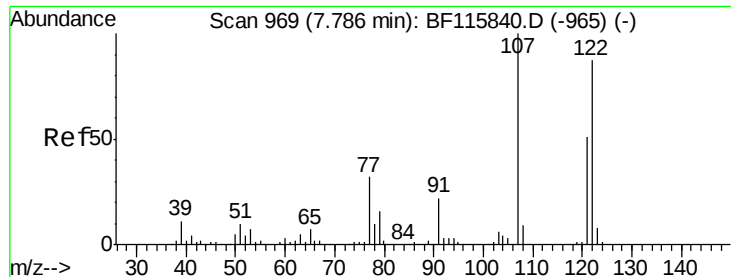


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





#27

2,4-Dimethylphenol

Concen: 41.516 ng

RT: 7.75 min Scan# 963

Delta R.T. -0.01 min

Lab File: BF116437.D

Acq: 20 Aug 2019 18:34

Instrument :

BNA_F

ClientSampled :

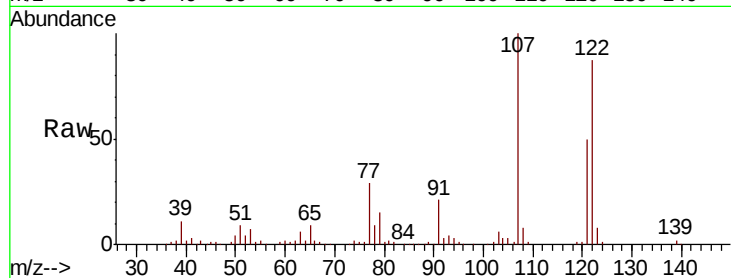
Tot Ion:122 Resp: 258977

Ion Ratio Lower Upper

122 100

107 114.8 93.0 139.6

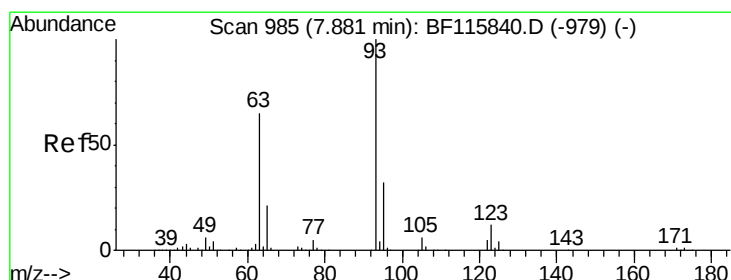
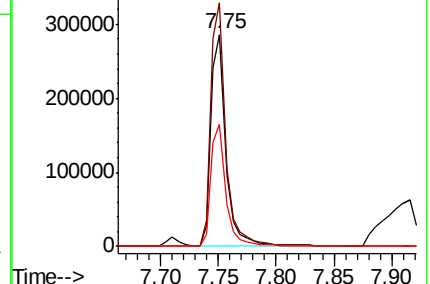
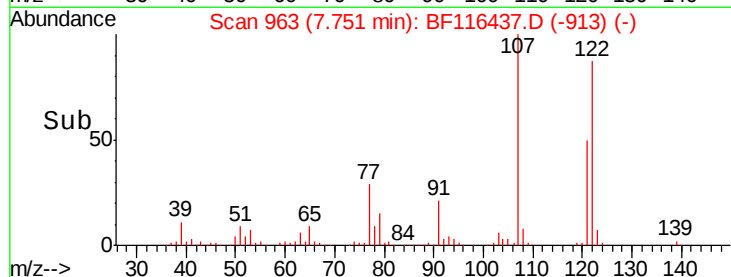
121 57.6 47.6 71.4



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 43.239 ng

RT: 7.83 min Scan# 977

Delta R.T. -0.01 min

Lab File: BF116437.D

Acq: 20 Aug 2019 18:34

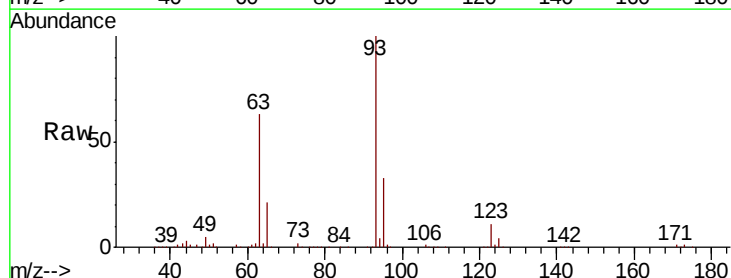
Tgt Ion: 93 Resp: 417458

Ion Ratio Lower Upper

93 100

95 32.7 26.2 39.4

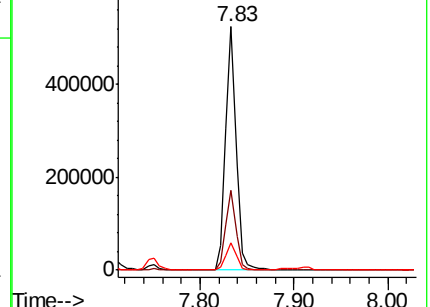
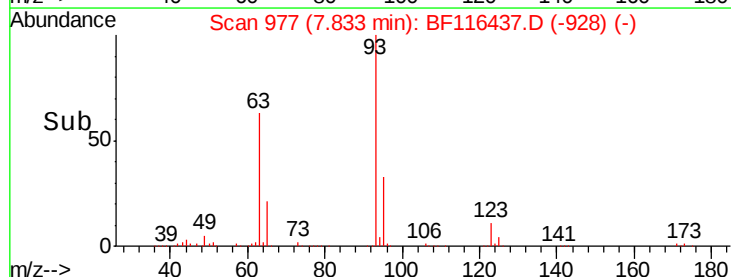
123 11.1 9.2 13.8



Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

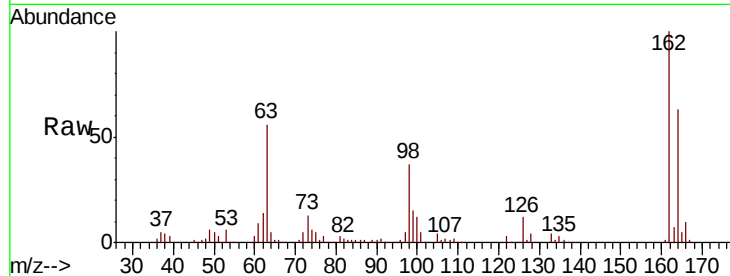




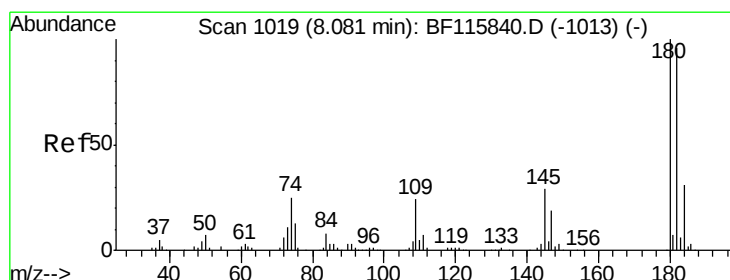
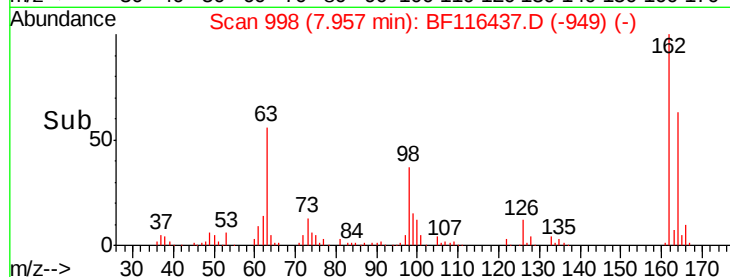
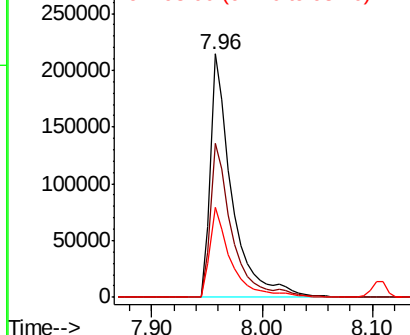
#29
 2,4-Dichlorophenol
 Concen: 43.167 ng
 RT: 7.96 min Scan# 998
 Delta R.T. -0.01 min
 Lab File: BF116437.D
 Acq: 20 Aug 2019 18:34

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
162	100		
164	63.0	45.1	85.1
98	36.8	15.8	55.8

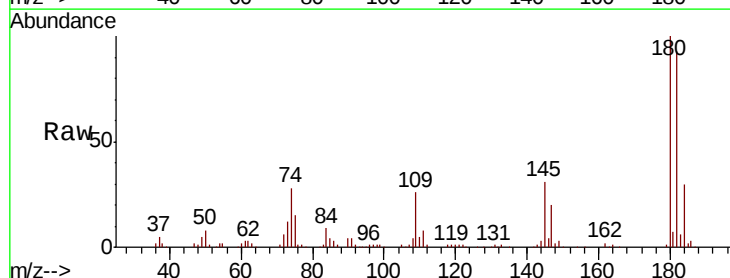


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF1

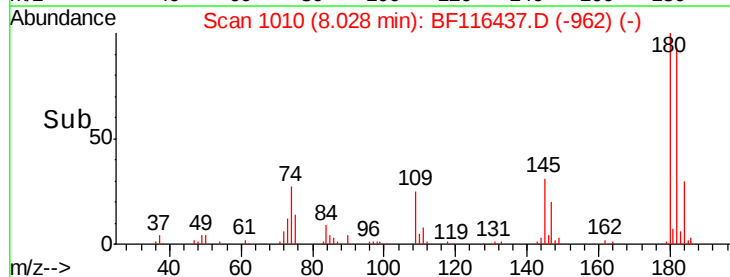
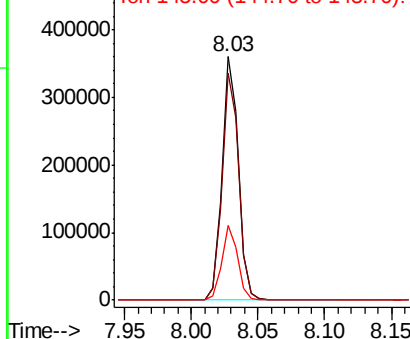


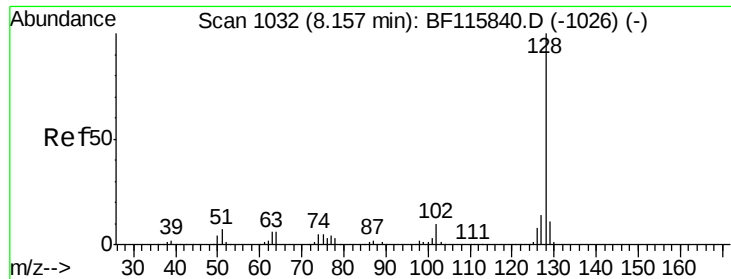
#30
 1,2,4-Trichlorobenzene
 Concen: 41.561 ng
 RT: 8.03 min Scan# 1010
 Delta R.T. -0.02 min
 Lab File: BF116437.D
 Acq: 20 Aug 2019 18:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.2	75.7	113.5
145	30.6	24.3	36.5



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

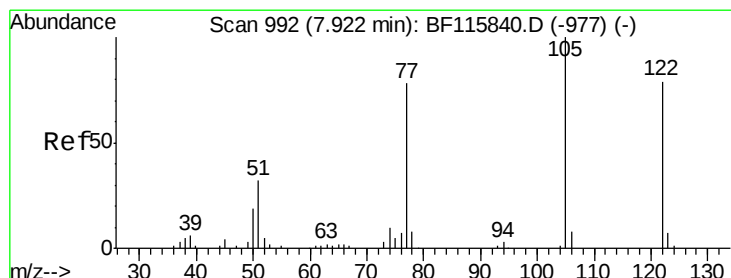
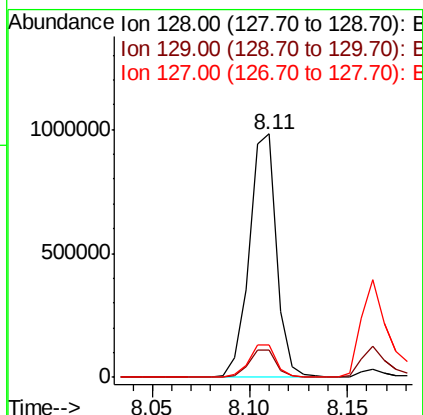
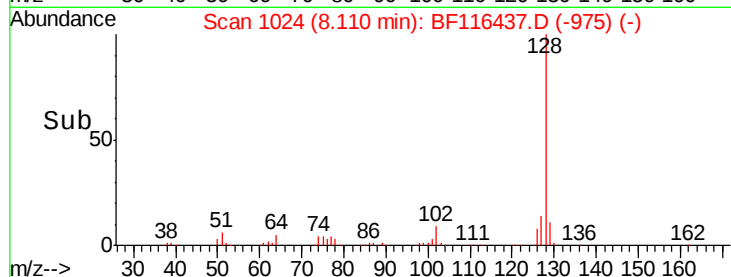
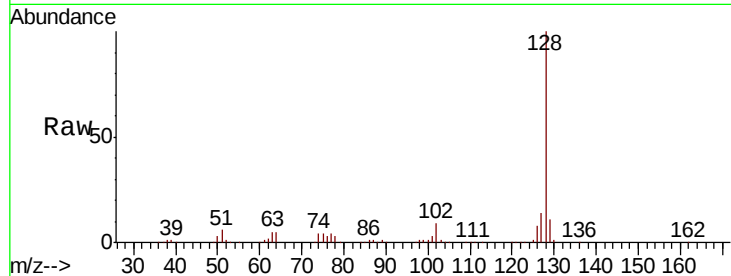




#31
Naphthalene
Concen: 42.905 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BF116437.D
Acq: 20 Aug 2019 18:34

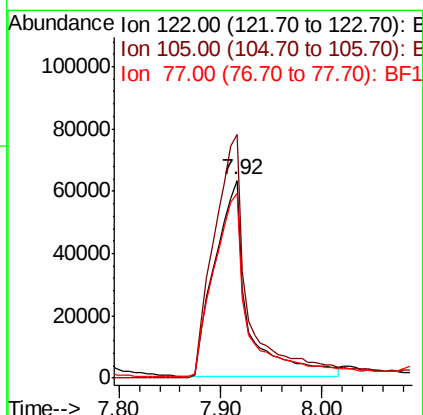
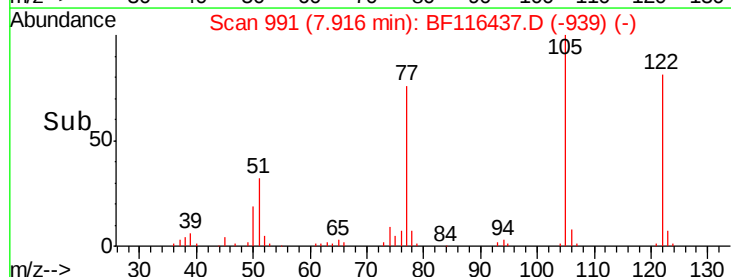
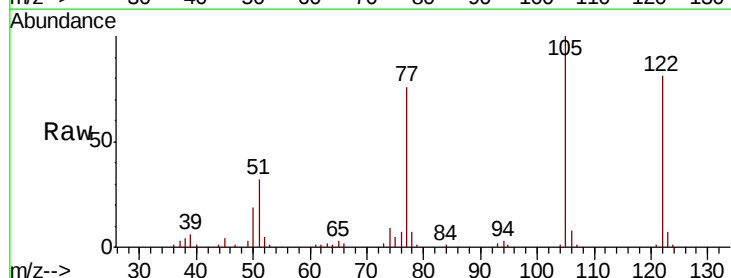
Instrument :
BNA_F
ClientSampled :

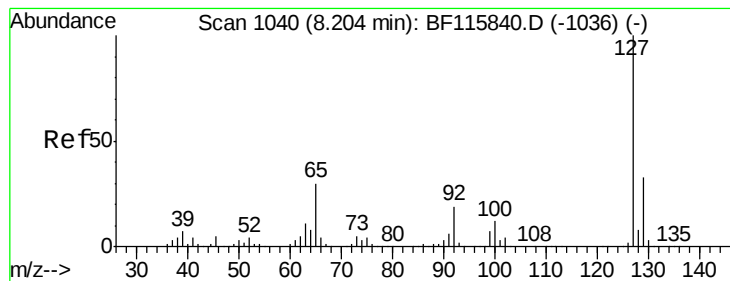
Tot Ion:128 Resp: 949399
Ion Ratio Lower Upper
128 100
129 11.0 9.3 13.9
127 13.6 11.4 17.0



#32
Benzoic acid
Concen: 32.553 ng
RT: 7.92 min Scan# 991
Delta R.T. 0.01 min
Lab File: BF116437.D
Acq: 20 Aug 2019 18:34

Tgt Ion:122 Resp: 143167
Ion Ratio Lower Upper
122 100
105 123.0 106.1 146.1
77 93.4 76.7 116.7





#33

4-Chloroaniline

Concen: 41.601 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF116437.D

Acq: 20 Aug 2019 18:34

Instrument :

BNA_F

ClientSampleId :

Tot Ion:127 Resp: 411299

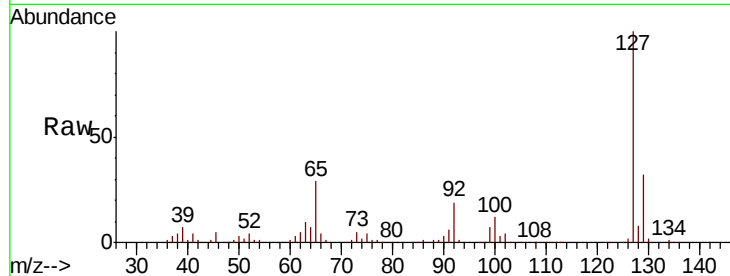
Ion Ratio Lower Upper

127 100

129 32.2 26.1 39.1

65 28.6 24.9 37.3

92 18.6 15.7 23.5

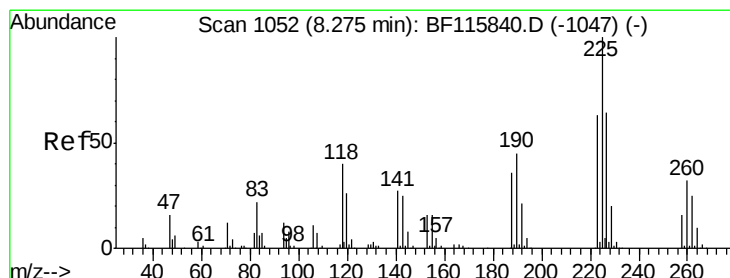
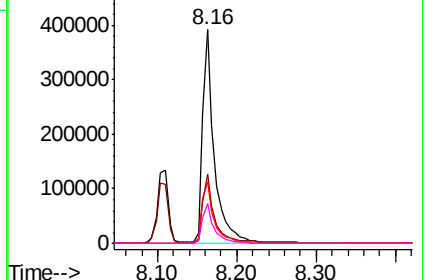
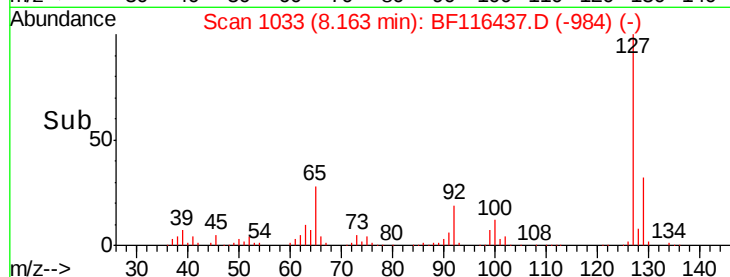


Abundance Ion 127.00 (126.70 to 127.70): E

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: 42.021 ng

RT: 8.22 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF116437.D

Acq: 20 Aug 2019 18:34

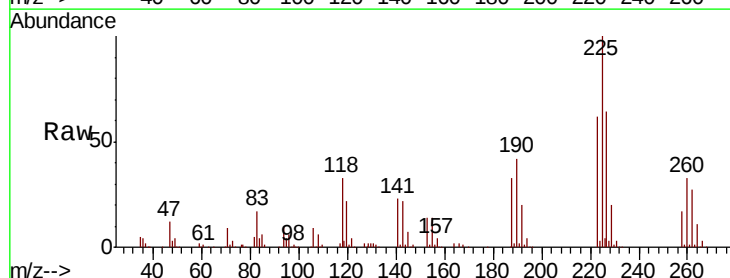
Tgt Ion:225 Resp: 181725

Ion Ratio Lower Upper

225 100

223 62.0 50.0 75.0

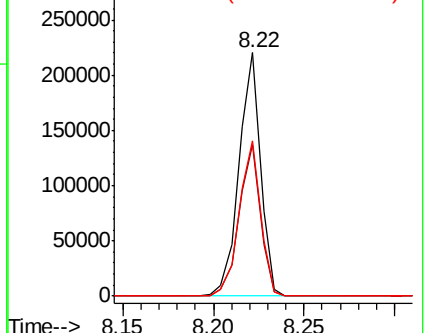
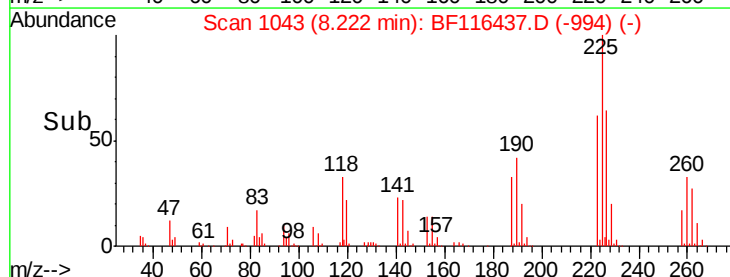
227 63.5 51.0 76.4



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

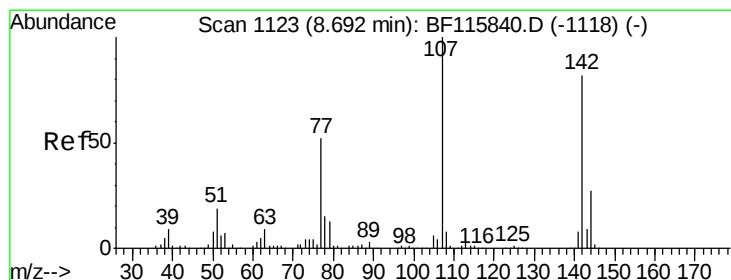
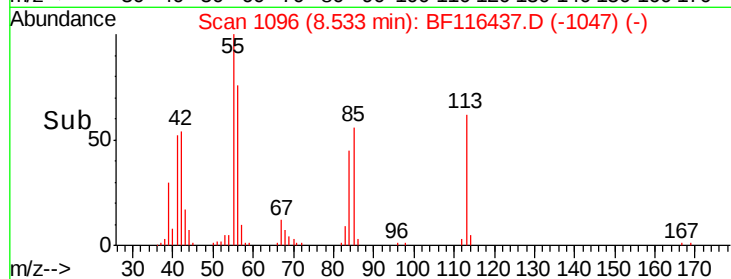
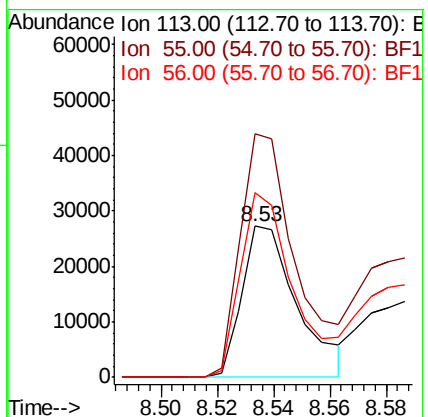
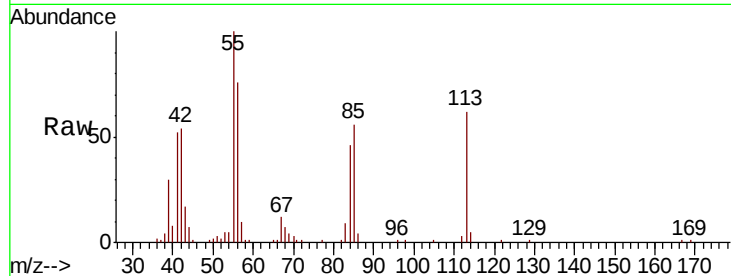




#35
 Caprolactam
 Concen: 17.357 ng
 RT: 8.53 min Scan# 1096
 Delta R.T. -0.01 min
 Lab File: BF116437.D
 Acq: 20 Aug 2019 18:34

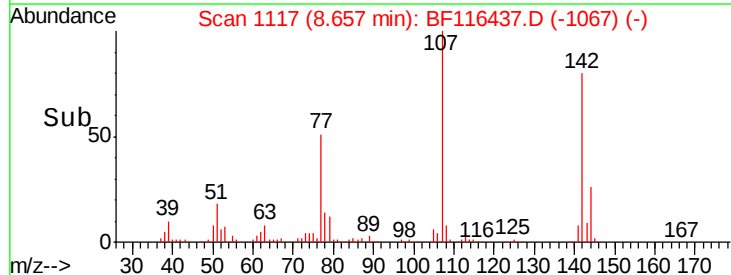
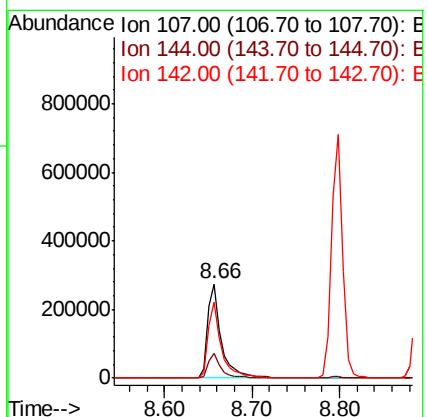
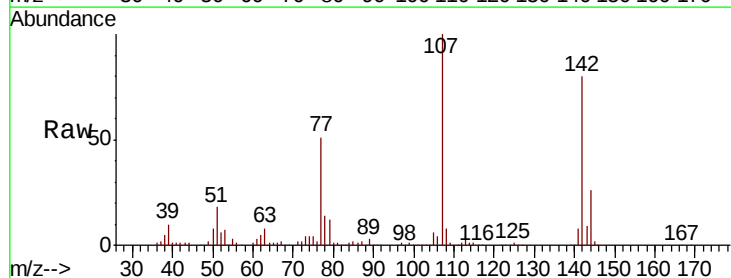
Instrument :
 BNA_F
 ClientSampled :

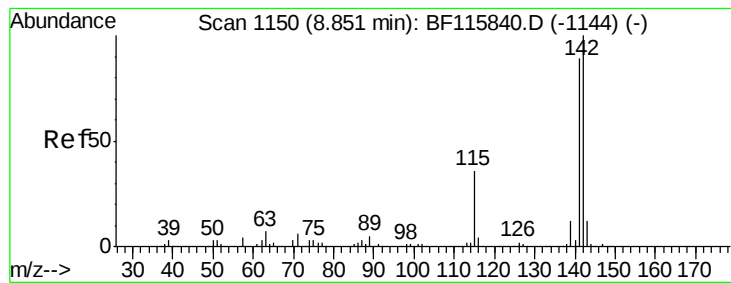
Tot Ion:113 Resp: 36975
 Ion Ratio Lower Upper
 113 100
 55 161.1 144.3 184.3
 56 122.1 97.1 137.1



#36
 4-Chloro-3-methylphenol
 Concen: 43.837 ng
 RT: 8.66 min Scan# 1117
 Delta R.T. -0.01 min
 Lab File: BF116437.D
 Acq: 20 Aug 2019 18:34

Tgt Ion:107 Resp: 300373
 Ion Ratio Lower Upper
 107 100
 144 26.2 20.2 30.2
 142 80.4 61.7 92.5

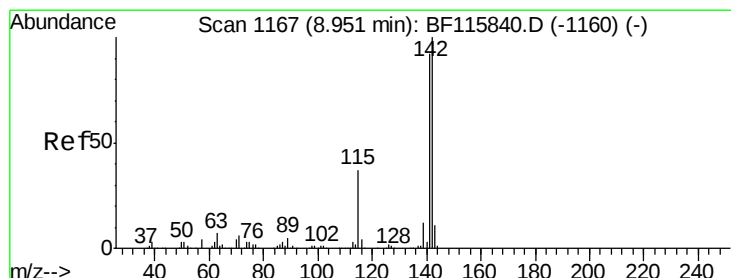
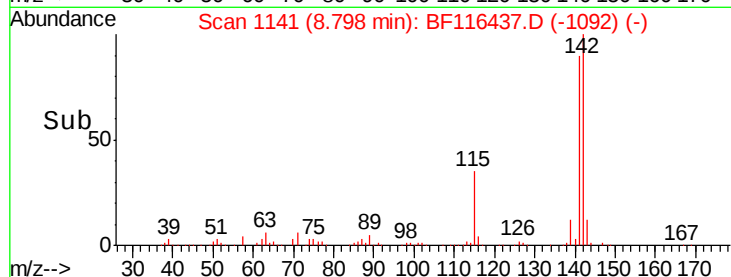
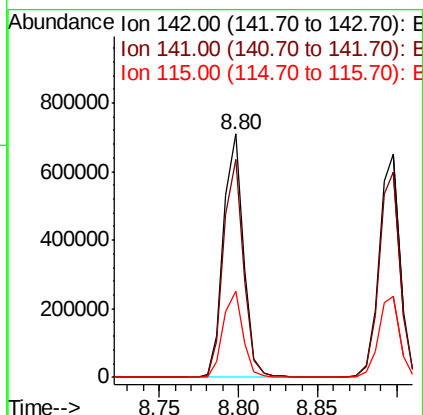
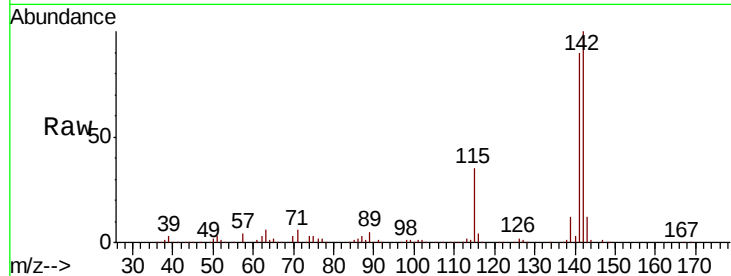




#37
2-Methylnaphthalene
Concen: 42.649 ng
RT: 8.80 min Scan# 1141
Delta R.T. -0.01 min
Lab File: BF116437.D
Acq: 20 Aug 2019 18:34

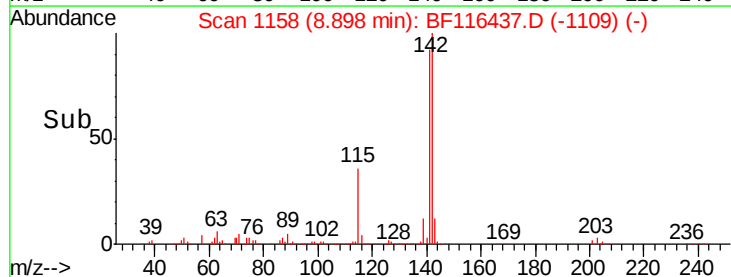
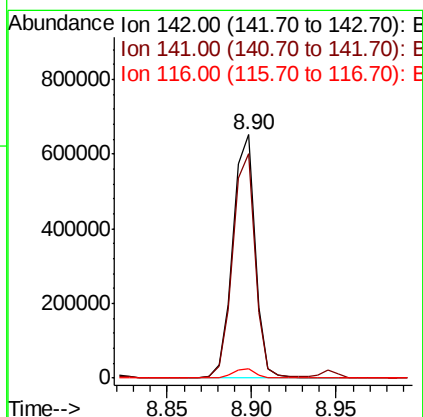
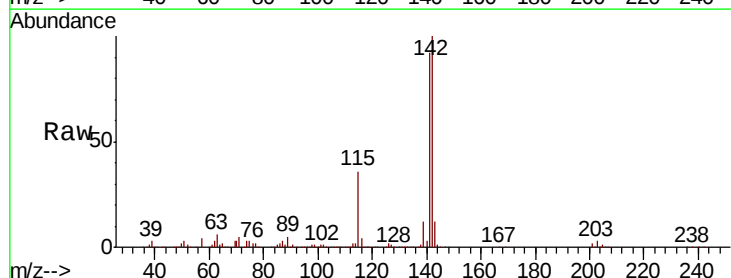
Instrument :
BNA_F
ClientSampled :

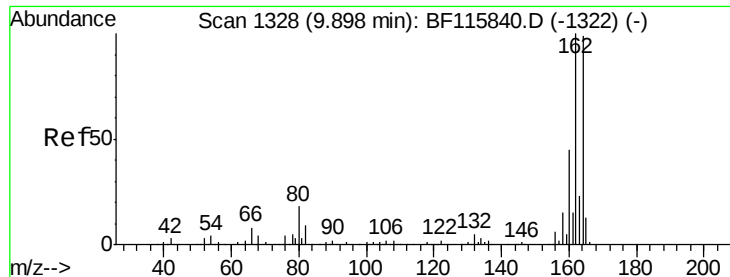
Tot Ion	Ratio	Lower	Upper
142	100		
141	89.5	70.9	106.3
115	35.3	29.0	43.6



#38
1-Methylnaphthalene
Concen: 43.061 ng
RT: 8.90 min Scan# 1158
Delta R.T. -0.01 min
Lab File: BF116437.D
Acq: 20 Aug 2019 18:34

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.0	74.4	111.6
116	3.6	3.1	4.7

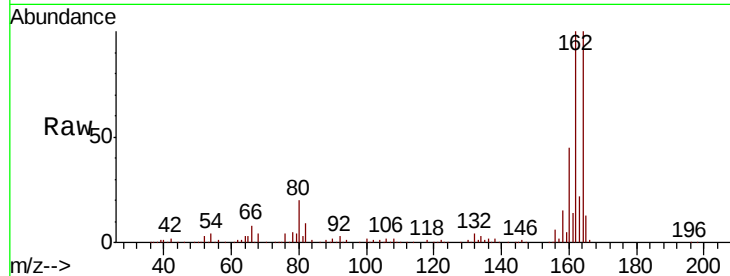




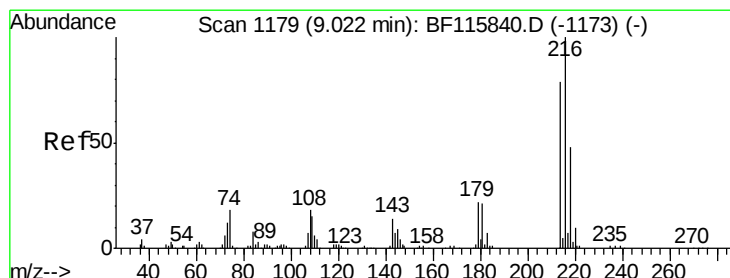
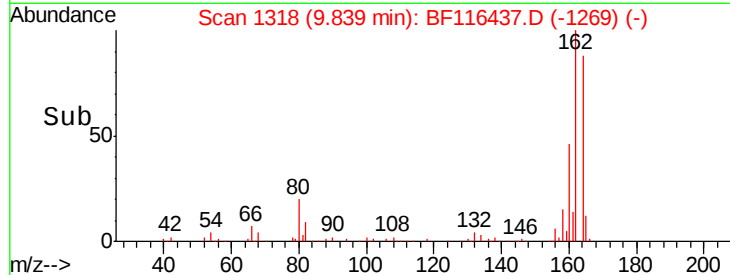
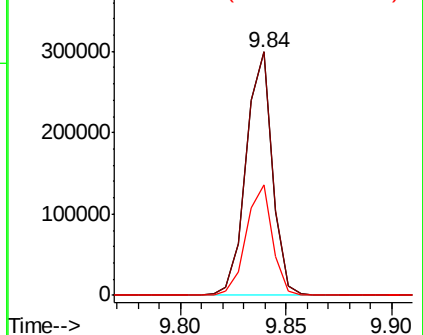
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BF116437.D
Acq: 20 Aug 2019 18:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 258292
Ion Ratio Lower Upper
164 100
162 100.0 82.6 124.0
160 45.3 37.6 56.4

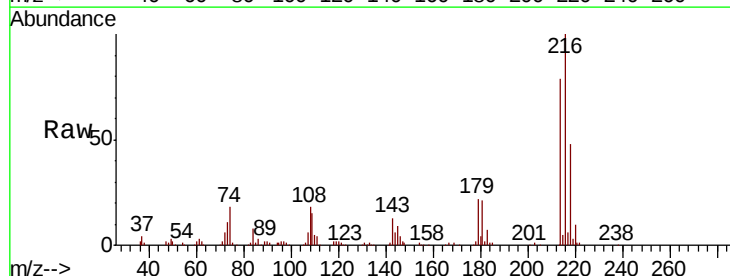


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

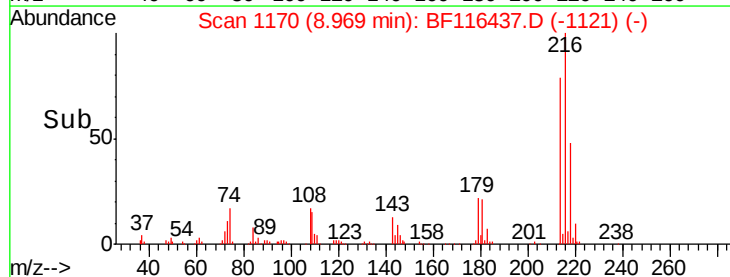
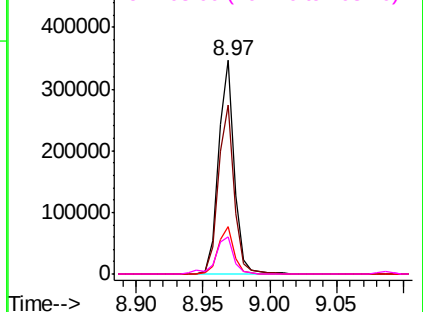


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.750 ng
RT: 8.97 min Scan# 1170
Delta R.T. -0.01 min
Lab File: BF116437.D
Acq: 20 Aug 2019 18:34

Tgt Ion:216 Resp: 288293
Ion Ratio Lower Upper
216 100
214 79.8 63.6 95.4
179 22.0 17.8 26.8
108 20.3 16.5 24.7



Abundance Ion 216.00 (215.70 to 216.70): E
Ion 214.00 (213.70 to 214.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 38.166 ng

RT: 8.95 min Scan# 1166

Delta R.T. -0.02 min

Lab File: BF116437.D

Acq: 20 Aug 2019 18:34

Instrument :

BNA_F

ClientSampleId :

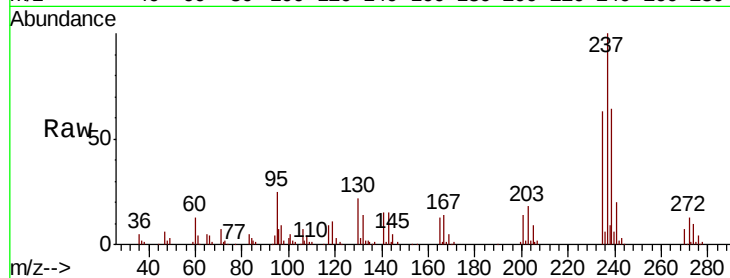
Tot Ion:237 Resp: 107946

Ion Ratio Lower Upper

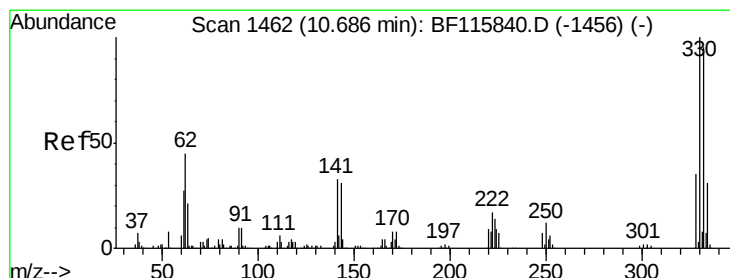
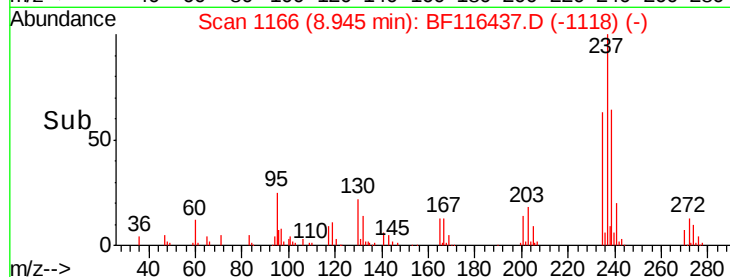
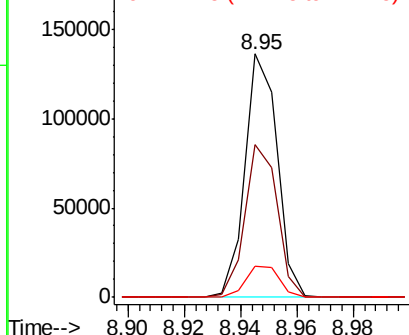
237 100

235 62.7 43.4 83.4

272 12.6 0.0 33.2



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: 82.037 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF116437.D

Acq: 20 Aug 2019 18:34

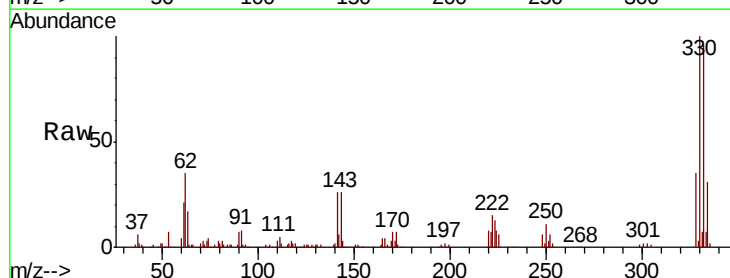
Tgt Ion:330 Resp: 205438

Ion Ratio Lower Upper

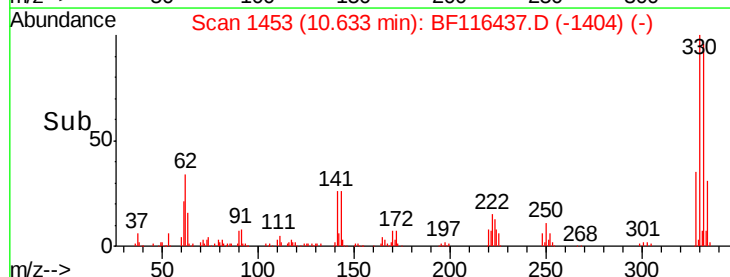
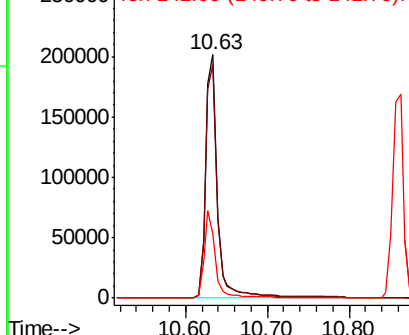
330 100

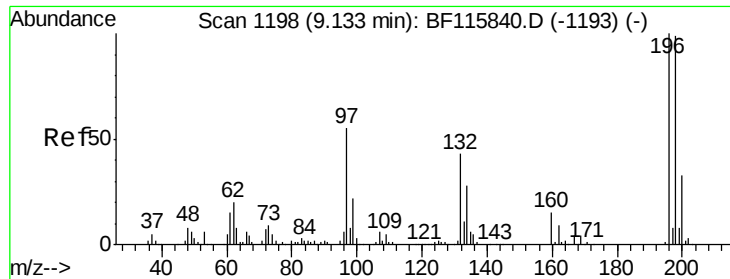
332 97.4 76.8 115.2

141 33.2 26.3 39.5



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

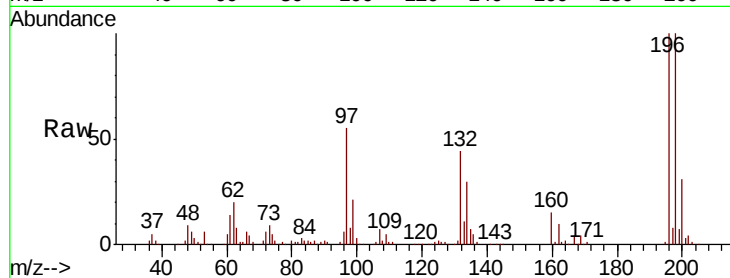




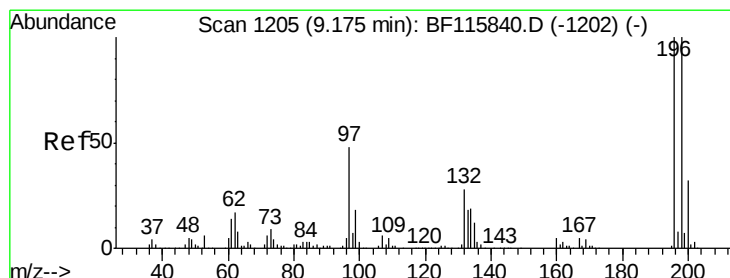
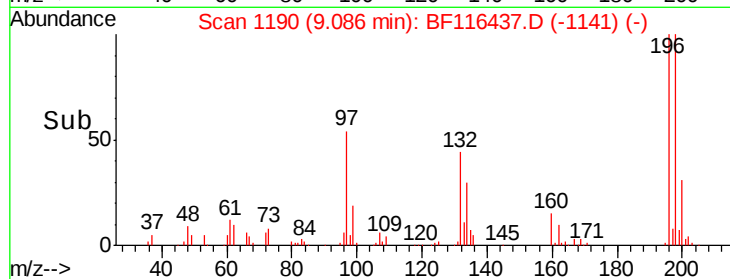
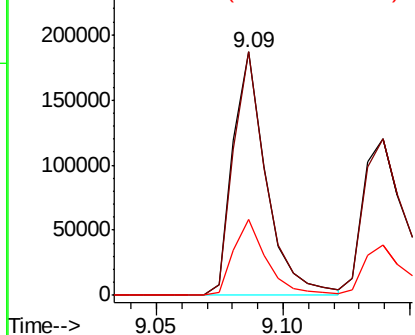
#43
 2,4,6-Trichlorophenol
 Concen: 36.304 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF116437.D
 Acq: 20 Aug 2019 18:34

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:196 Resp: 172549
 Ion Ratio Lower Upper
 196 100
 198 99.9 79.2 118.8
 200 31.0 25.2 37.8

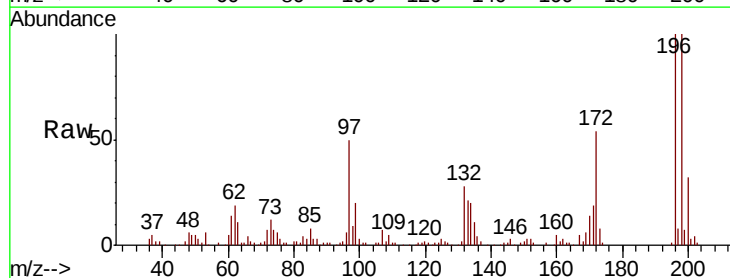


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

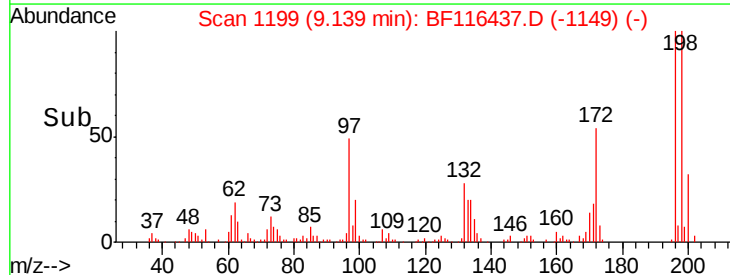
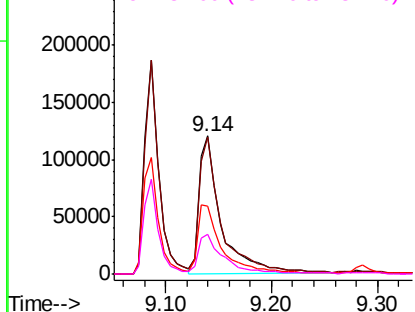


#44
 2,4,5-Trichlorophenol
 Concen: 34.732 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. -0.01 min
 Lab File: BF116437.D
 Acq: 20 Aug 2019 18:34

Tgt Ion:196 Resp: 170642
 Ion Ratio Lower Upper
 196 100
 198 99.6 78.8 118.2
 97 49.6 42.2 63.4
 132 28.4 24.0 36.0



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

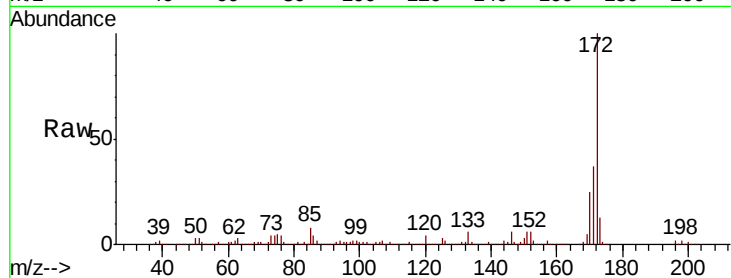




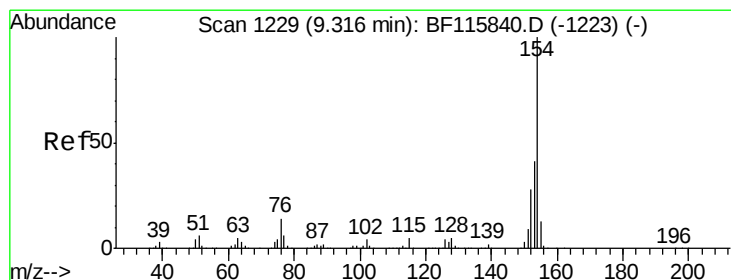
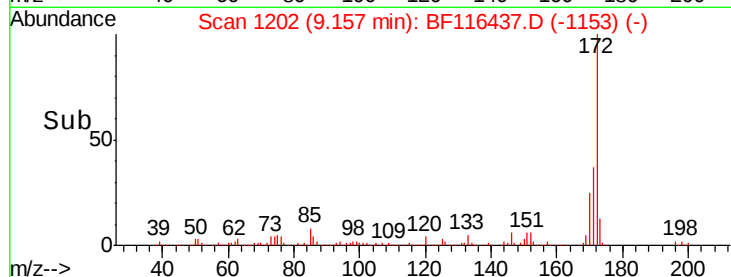
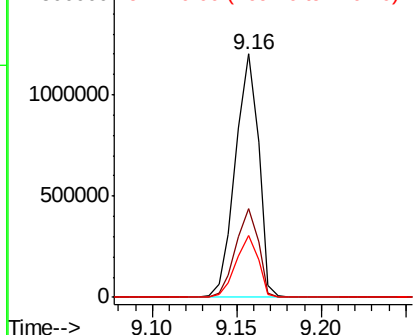
#45
2-Fluorobiphenyl
Concen: 83.530 ng
RT: 9.16 min Scan# 1202
Delta R.T. -0.01 min
Lab File: BF116437.D
Acq: 20 Aug 2019 18:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1151857
Ion Ratio Lower Upper
172 100
171 36.6 29.6 44.4
170 25.4 20.1 30.1

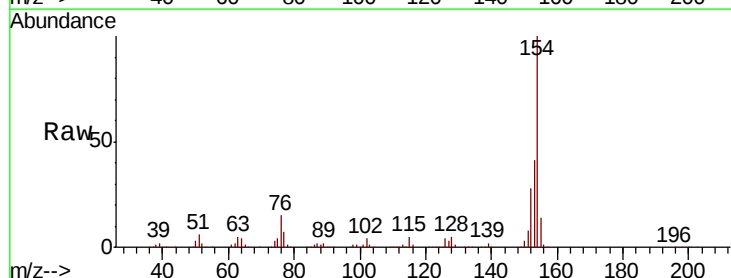


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

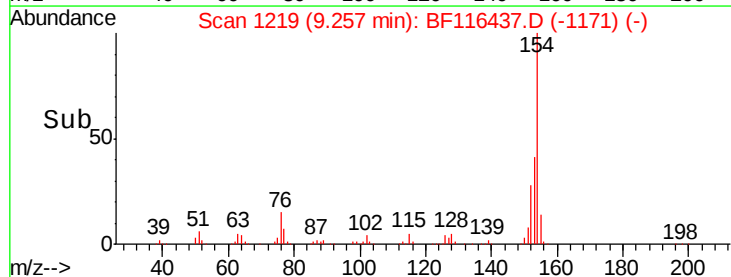
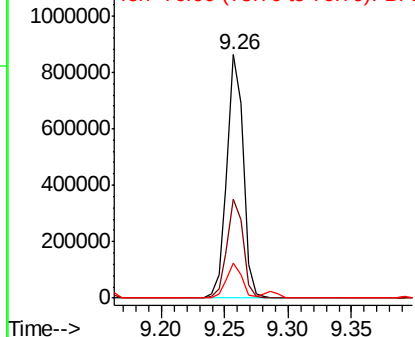


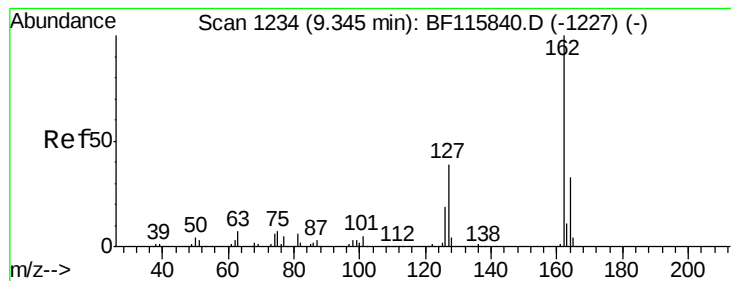
#46
1,1'-Biphenyl
Concen: 42.274 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.02 min
Lab File: BF116437.D
Acq: 20 Aug 2019 18:34

Tgt Ion:154 Resp: 770874
Ion Ratio Lower Upper
154 100
153 40.6 21.4 61.4
76 14.5 0.0 35.2



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1





#47

2-Chloronaphthalene

Concen: 41.493 ng

RT: 9.29 min Scan# 1224

Delta R.T. -0.01 min

Lab File: BF116437.D

Acq: 20 Aug 2019 18:34

Instrument :

BNA_F

ClientSampled :

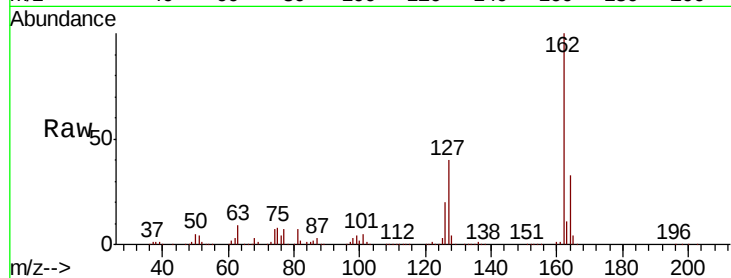
Tot Ion:162 Resp: 629747

Ion Ratio Lower Upper

162 100

127 40.2 32.8 49.2

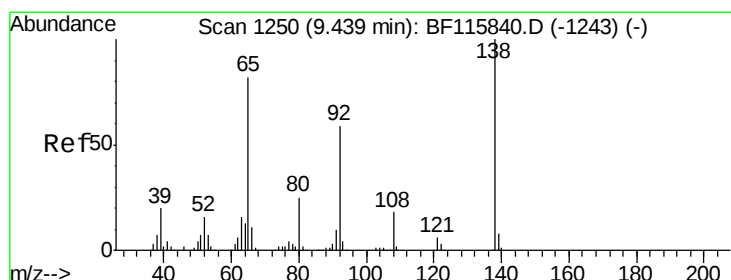
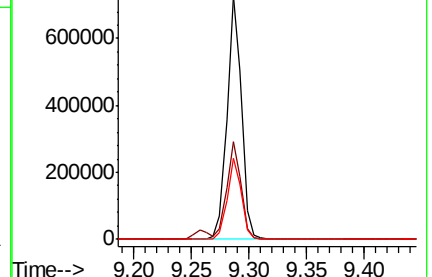
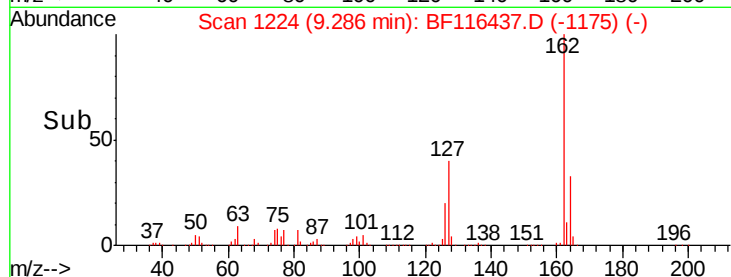
164 33.0 26.6 39.8



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48

2-Nitroaniline

Concen: 41.041 ng

RT: 9.39 min Scan# 1242

Delta R.T. -0.01 min

Lab File: BF116437.D

Acq: 20 Aug 2019 18:34

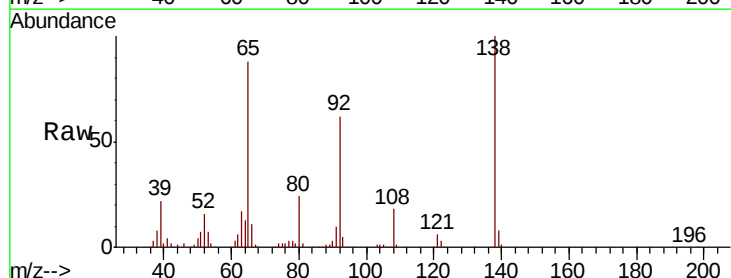
Tgt Ion: 65 Resp: 205888

Ion Ratio Lower Upper

65 100

92 70.5 57.8 86.8

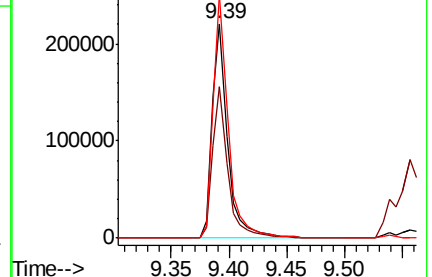
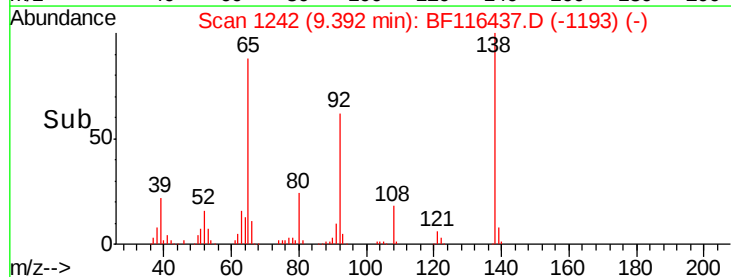
138 113.6 94.0 141.0

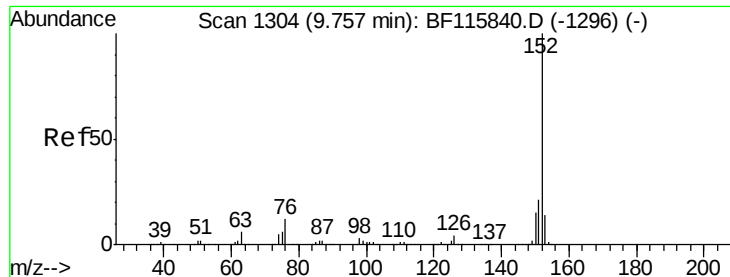


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 41.923 ng

RT: 9.70 min Scan# 1294

Delta R.T. -0.02 min

Lab File: BF116437.D

Acq: 20 Aug 2019 18:34

Instrument :

BNA_F

ClientSampleId :

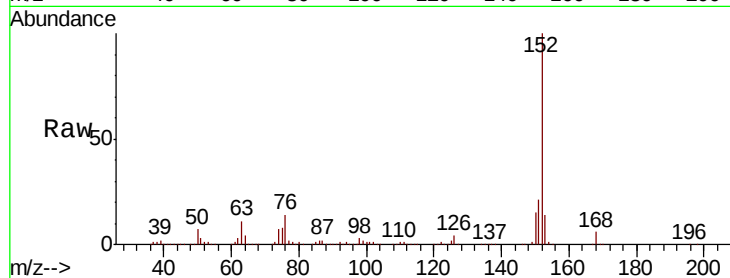
Tot Ion:152 Resp: 928252

Ion Ratio Lower Upper

152 100

151 20.6 17.2 25.8

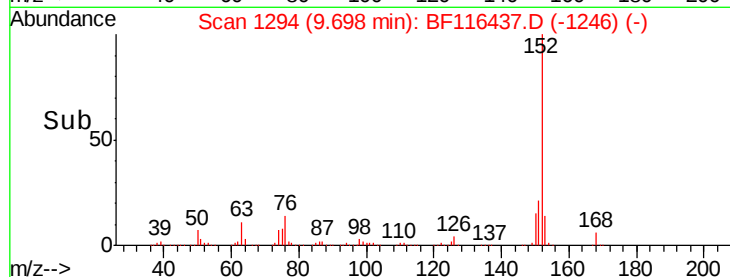
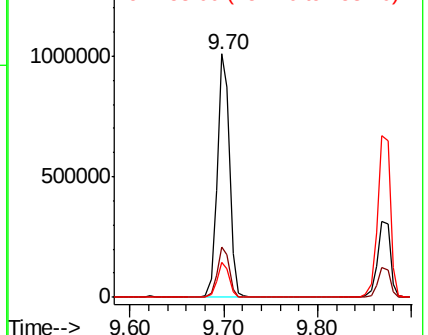
153 14.1 11.8 17.8



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: 41.512 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.01 min

Lab File: BF116437.D

Acq: 20 Aug 2019 18:34

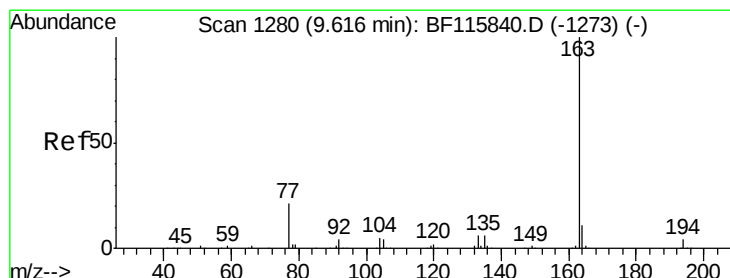
Tgt Ion:163 Resp: 730063

Ion Ratio Lower Upper

163 100

194 3.7 3.0 4.6

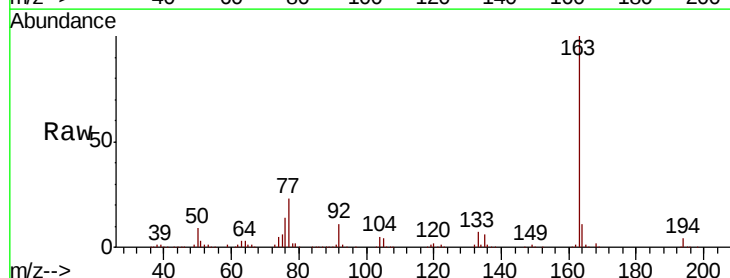
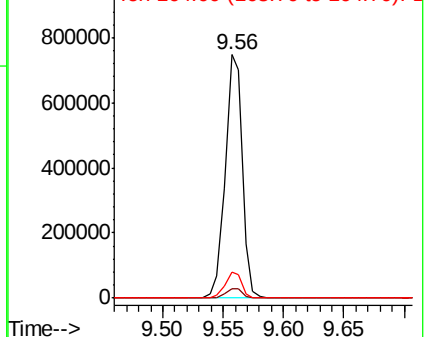
164 10.7 8.4 12.6

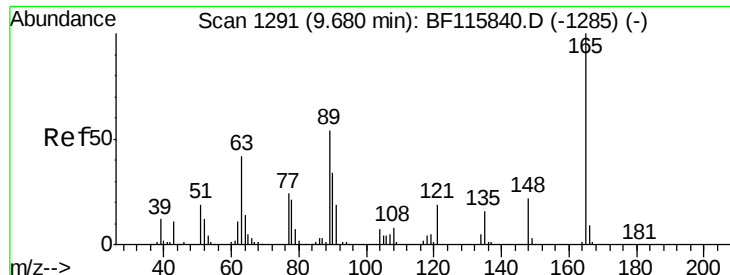


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

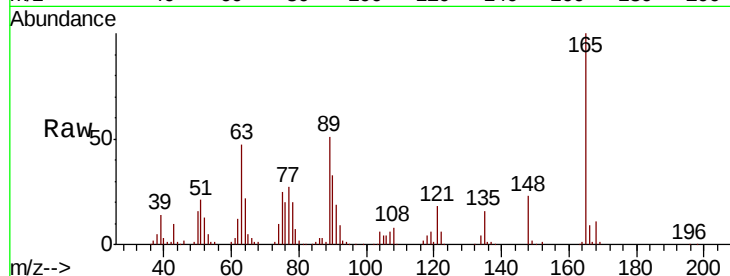




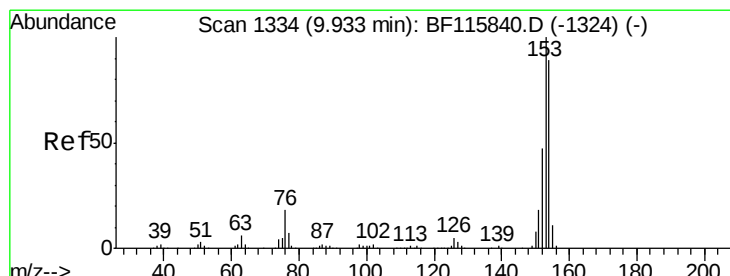
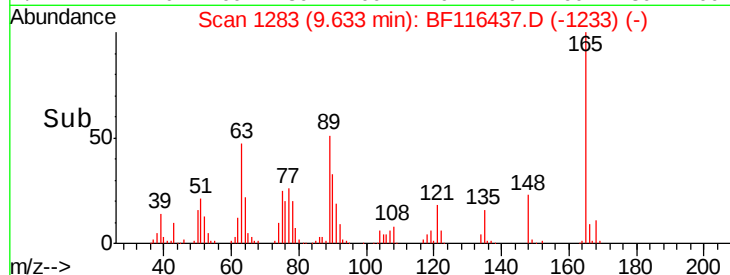
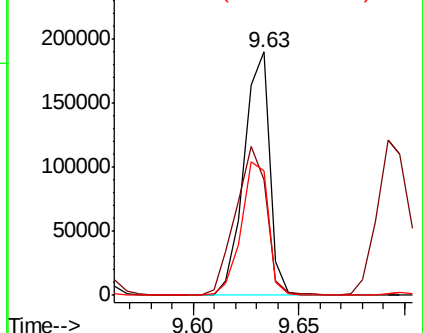
#51
 2,6-Dinitrotoluene
 Concen: 42.024 ng
 RT: 9.63 min Scan# 1283
 Delta R.T. -0.01 min
 Lab File: BF116437.D
 Acq: 20 Aug 2019 18:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 160611
 Ion Ratio Lower Upper
 165 100
 63 47.3 38.2 57.2
 89 51.2 42.9 64.3

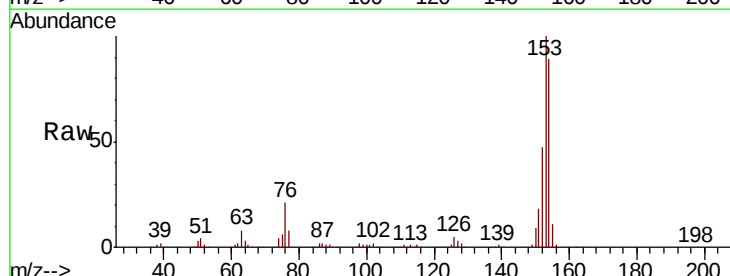


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

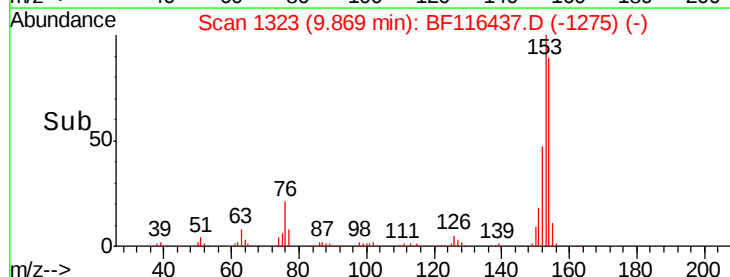
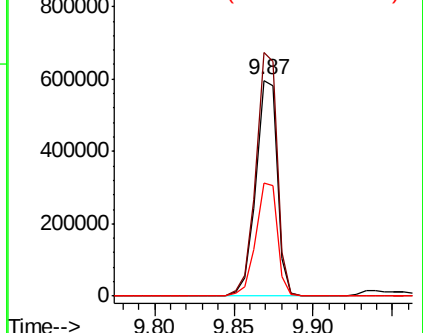


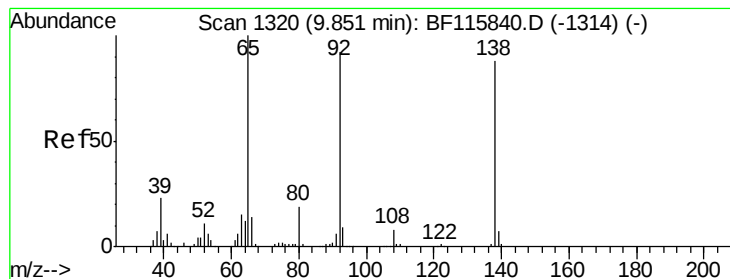
#52
 Acenaphthene
 Concen: 41.611 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.02 min
 Lab File: BF116437.D
 Acq: 20 Aug 2019 18:34

Tgt Ion:154 Resp: 565236
 Ion Ratio Lower Upper
 154 100
 153 112.8 89.4 134.0
 152 52.6 42.3 63.5



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: 40.542 ng

RT: 9.80 min Scan# 1312

Delta R.T. -0.01 min

Lab File: BF116437.D

Acq: 20 Aug 2019 18:34

Instrument :

BNA_F

ClientSampled :

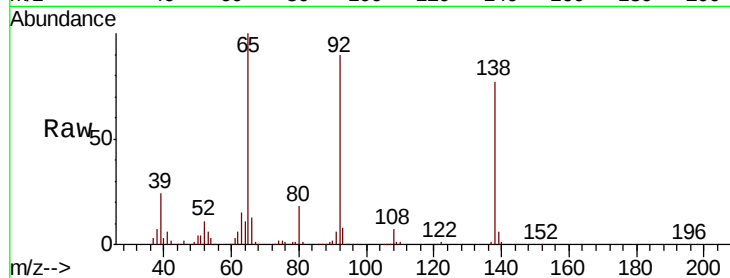
Tot Ion:138 Resp: 191458

Ion Ratio Lower Upper

138 100

108 9.7 8.0 12.0

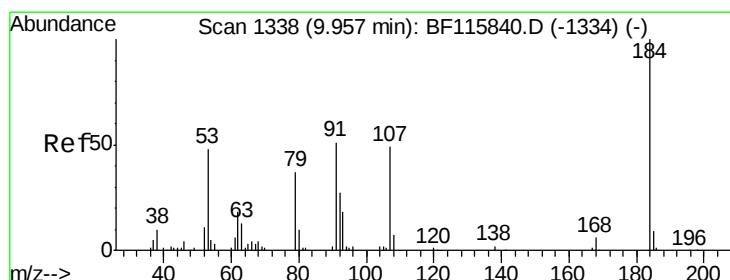
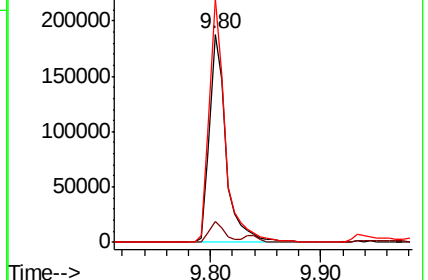
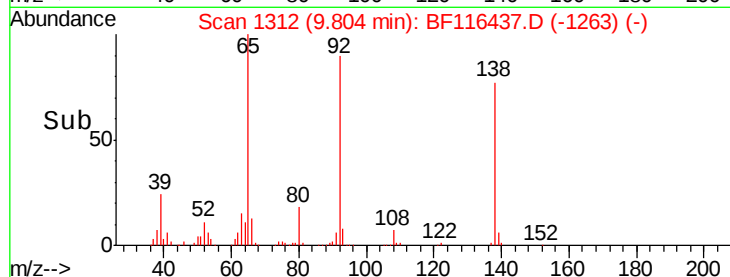
92 116.9 91.0 136.6



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54

2,4-Dinitrophenol

Concen: 31.330 ng

RT: 9.94 min Scan# 1335

Delta R.T. -0.01 min

Lab File: BF116437.D

Acq: 20 Aug 2019 18:34

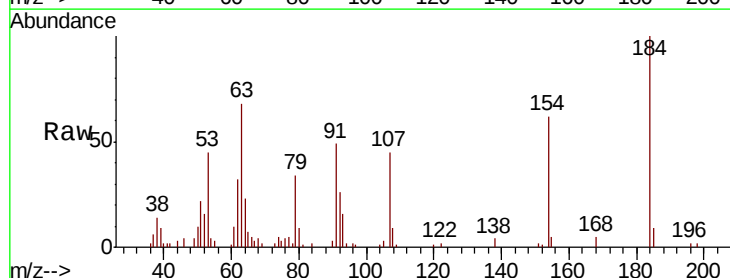
Tgt Ion:184 Resp: 50663

Ion Ratio Lower Upper

184 100

63 68.3 53.0 79.4

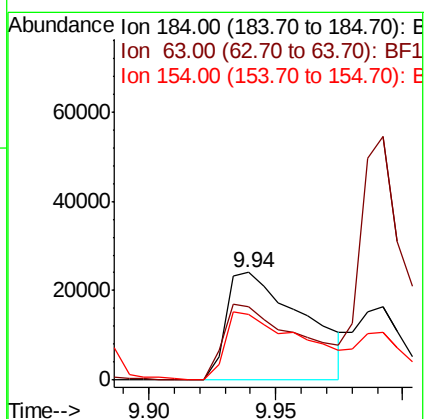
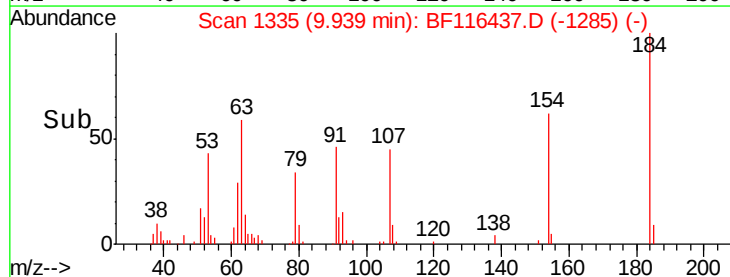
154 61.6 50.1 75.1

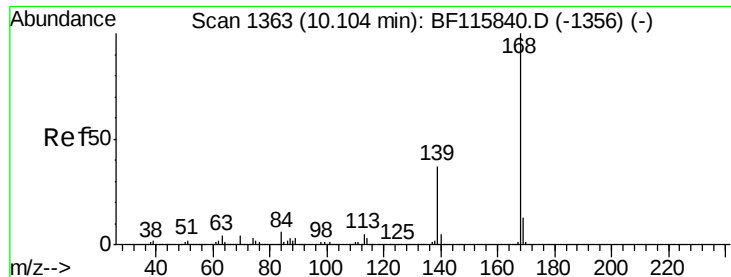


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

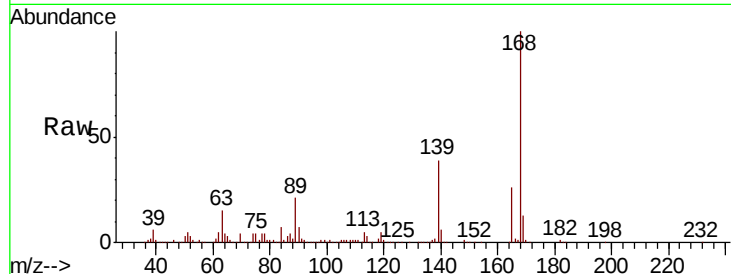




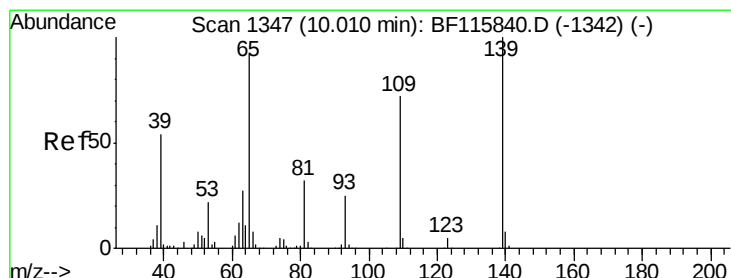
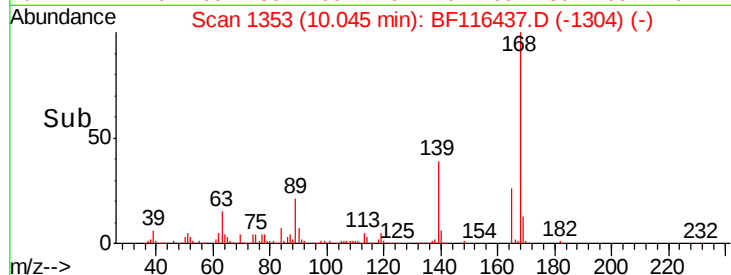
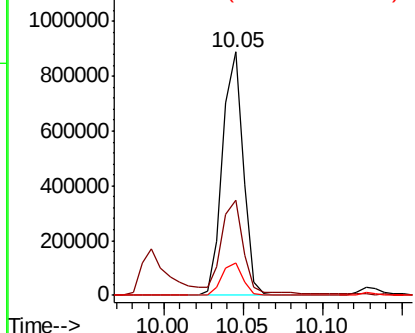
#55
Dibenzofuran
Concen: 40.582 ng
RT: 10.05 min Scan# 1353
Delta R.T. -0.01 min
Lab File: BF116437.D
Acq: 20 Aug 2019 18:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:168 Resp: 801682
Ion Ratio Lower Upper
168 100
139 39.1 31.4 47.2
169 13.2 10.9 16.3

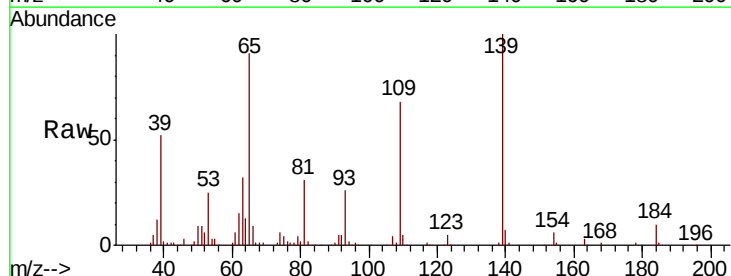


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

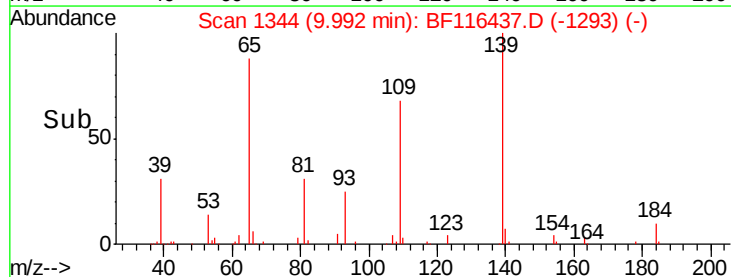
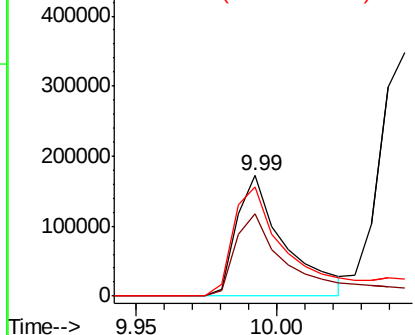


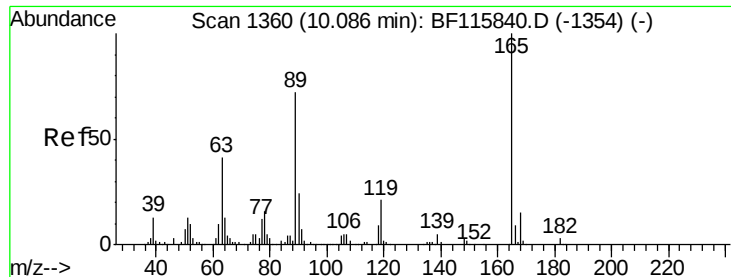
#56
4-Nitrophenol
Concen: 66.912 ng
RT: 9.99 min Scan# 1344
Delta R.T. 0.00 min
Lab File: BF116437.D
Acq: 20 Aug 2019 18:34

Tgt Ion:139 Resp: 202423
Ion Ratio Lower Upper
139 100
109 68.2 54.4 94.4
65 90.9 80.6 120.6



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1





#57

2,4-Dinitrotoluene

Concen: 39.708 ng

RT: 10.05 min Scan# 1353

Delta R.T. -0.01 min

Lab File: BF116437.D

Acq: 20 Aug 2019 18:34

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 202058

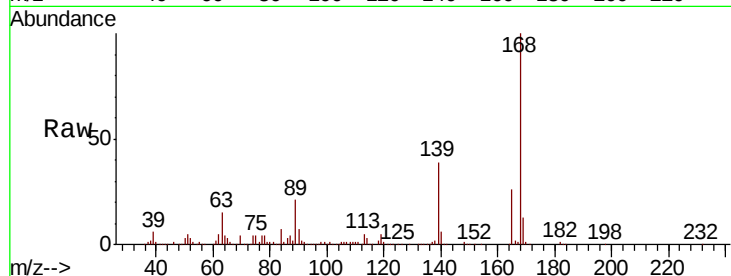
Ion Ratio Lower Upper

165 100

63 58.5 39.6 59.4

89 81.9 62.2 93.2

182 2.5 2.1 3.1

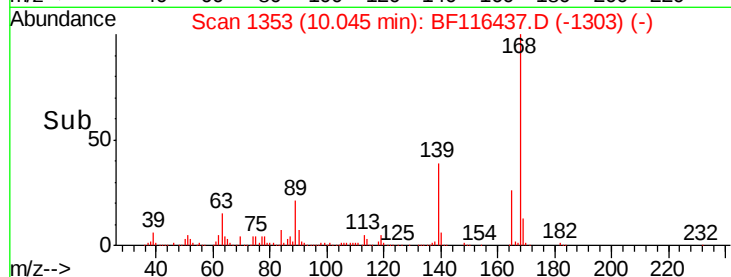


Abundance Ion 165.00 (164.70 to 165.70): E

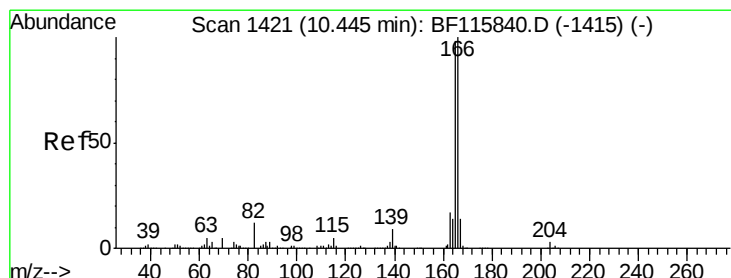
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



Time-->



#58

Fluorene

Concen: 43.799 ng

RT: 10.39 min Scan# 1411

Delta R.T. -0.01 min

Lab File: BF116437.D

Acq: 20 Aug 2019 18:34

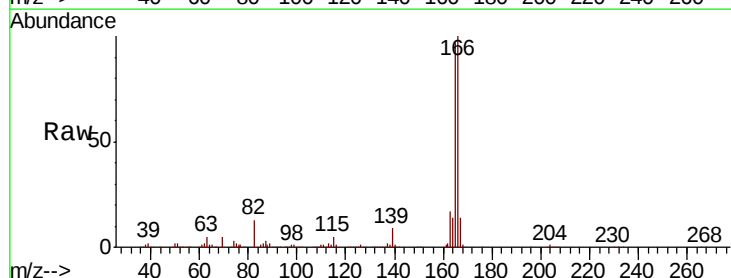
Tgt Ion:166 Resp: 665675

Ion Ratio Lower Upper

166 100

165 96.7 78.4 117.6

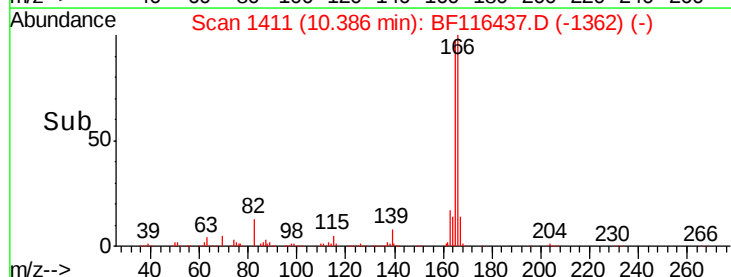
167 13.7 11.0 16.4



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



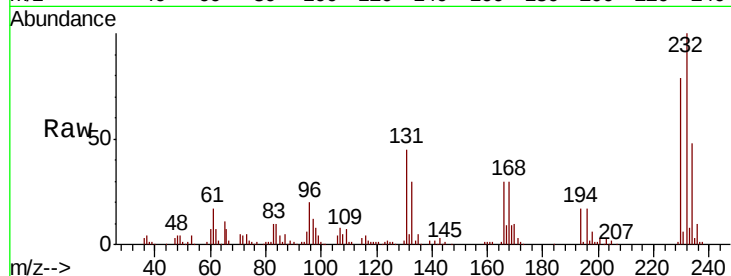
Time-->



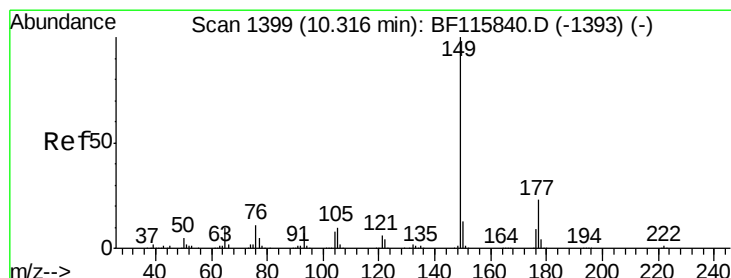
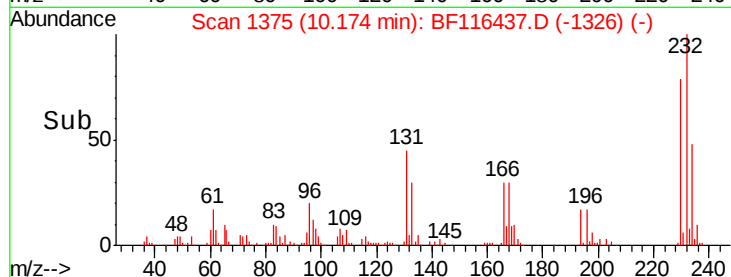
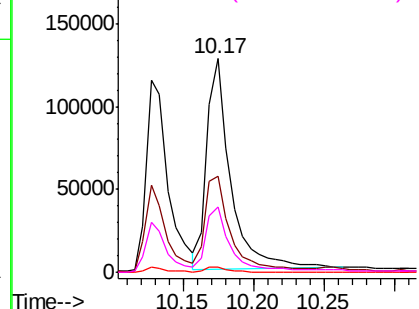
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 36.097 ng
 RT: 10.17 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: BF116437.D
 Acq: 20 Aug 2019 18:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	232	Resp:	149204
Ion	Ratio	Lower	Upper
232	100		
131	49.8	36.2	54.2
130	2.6	1.9	2.9
166	29.1	23.0	34.4

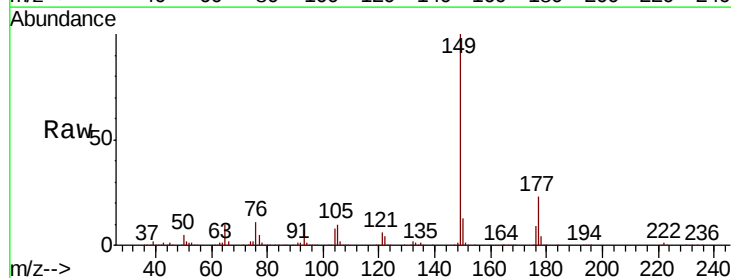


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

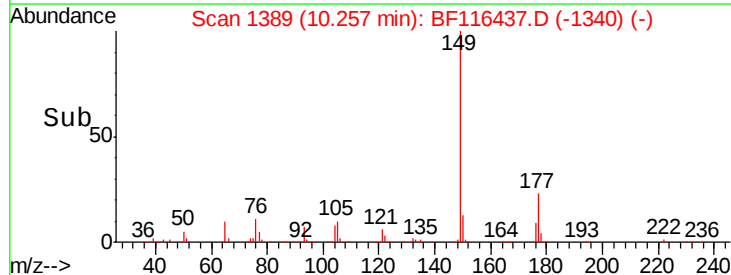
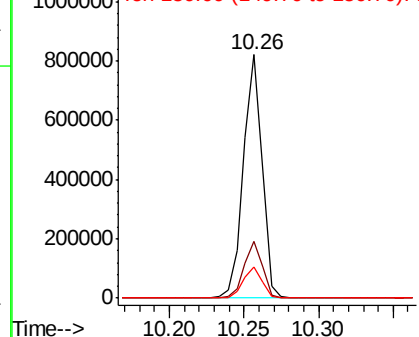


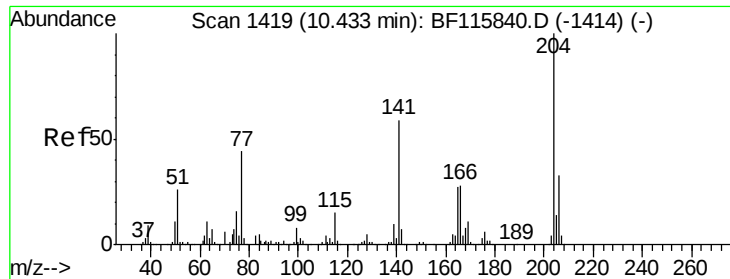
#60
 Diethylphthalate
 Concen: 43.804 ng
 RT: 10.26 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: BF116437.D
 Acq: 20 Aug 2019 18:34

Tgt Ion:	149	Resp:	719242
Ion	Ratio	Lower	Upper
149	100		
177	23.4	18.8	28.2
150	12.9	10.2	15.4



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 177.00 (176.70 to 177.70): E
 Ion 150.00 (149.70 to 150.70): E

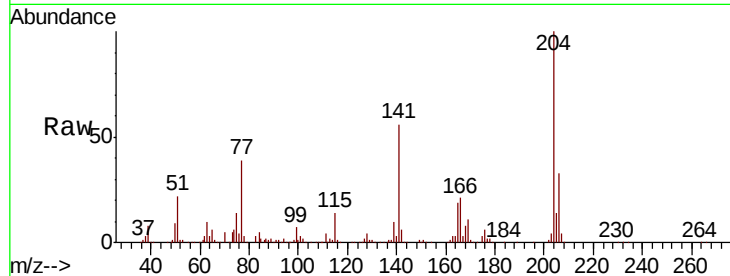




#61
4-Chlorophenyl-phenylether
Concen: 44.229 ng
RT: 10.37 min Scan# 1409
Delta R.T. -0.01 min
Lab File: BF116437.D
Acq: 20 Aug 2019 18:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
204	100		
206	32.5	26.4	39.6
141	55.5	46.4	69.6

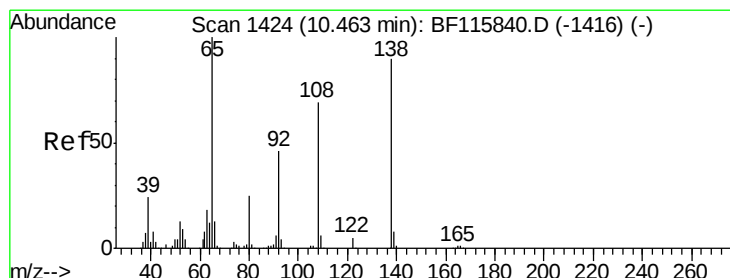
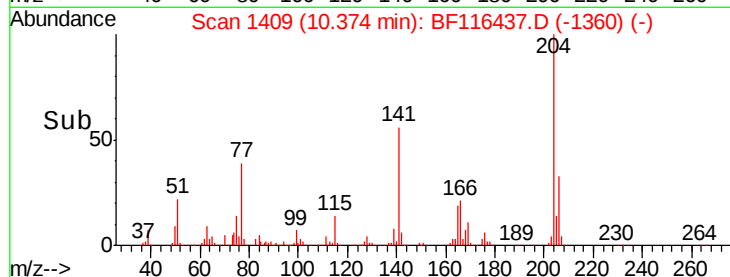
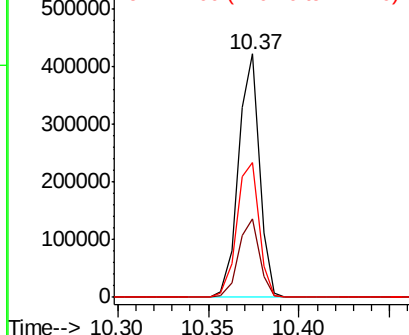


Abundance

Ion 204.00 (203.70 to 204.70): E

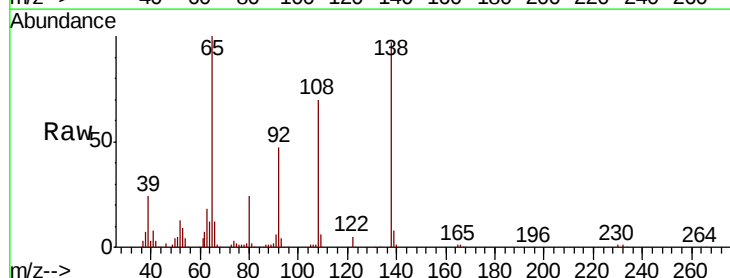
Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62
4-Nitroaniline
Concen: 37.881 ng
RT: 10.43 min Scan# 1418
Delta R.T. -0.01 min
Lab File: BF116437.D
Acq: 20 Aug 2019 18:34

Tgt Ion	Ratio	Lower	Upper
138	100		
92	48.9	29.0	69.0
108	72.6	54.7	94.7

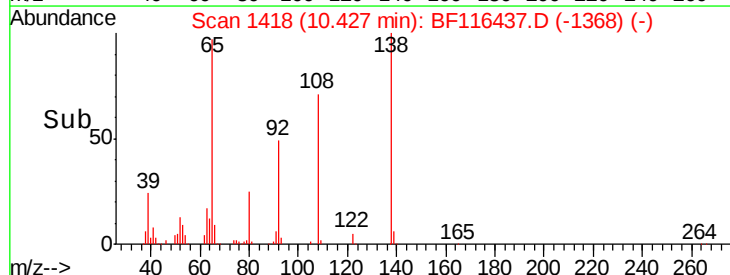
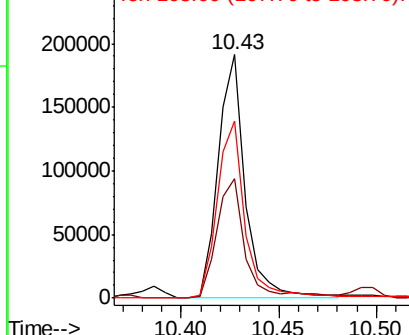


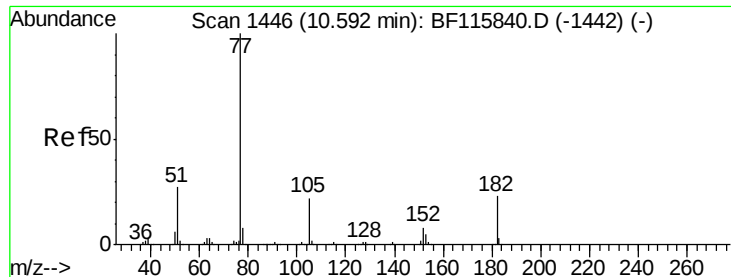
Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E





#63

Azobenzene

Concen: 43.540 ng

RT: 10.53 min Scan# 1436

Delta R.T. -0.02 min

Lab File: BF116437.D

Acq: 20 Aug 2019 18:34

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 735318

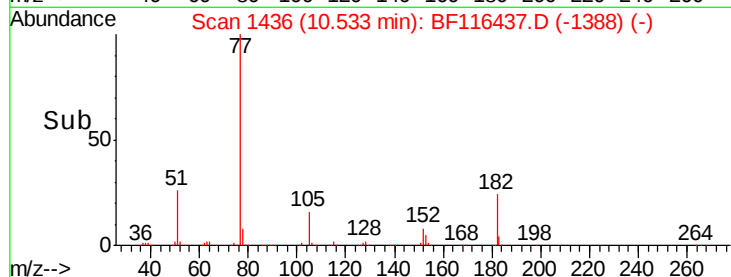
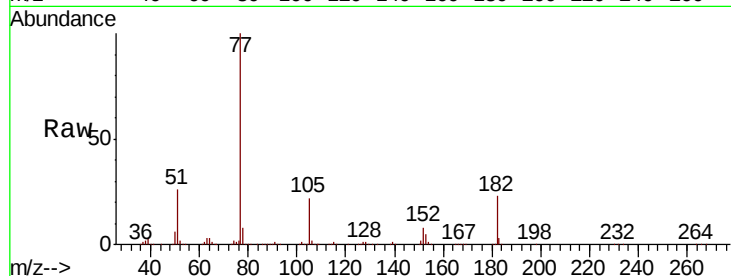
Ion Ratio Lower Upper

77 100

182 23.1 4.0 44.0

105 22.1 2.0 42.0

51 26.3 7.5 47.5

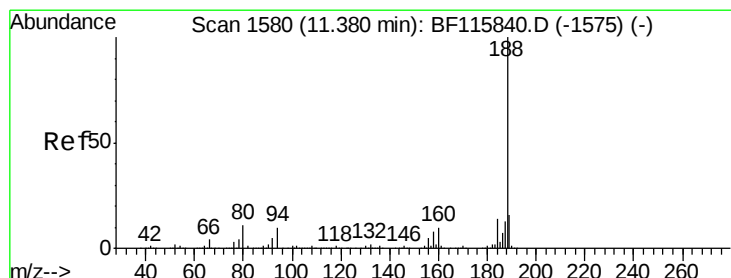
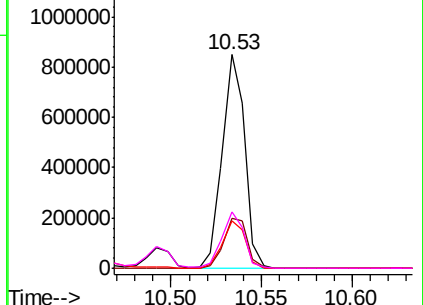


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1570

Delta R.T. -0.02 min

Lab File: BF116437.D

Acq: 20 Aug 2019 18:34

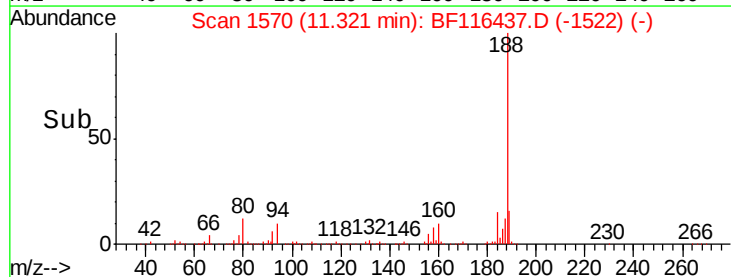
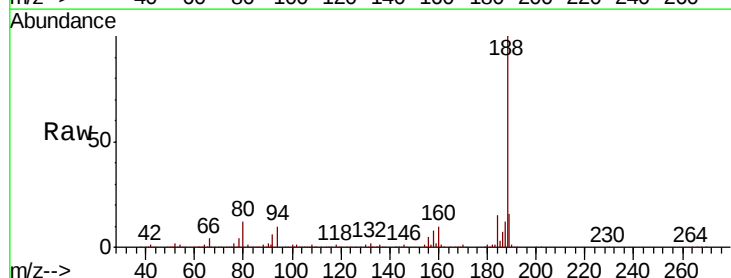
Tgt Ion: 188 Resp: 454094

Ion Ratio Lower Upper

188 100

94 10.1 8.1 12.1

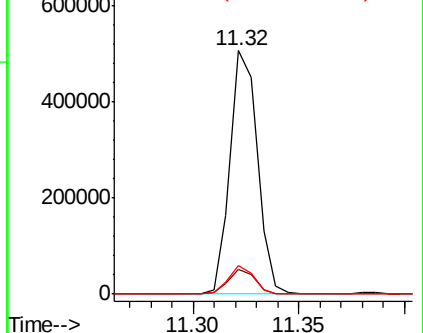
80 11.5 8.7 13.1

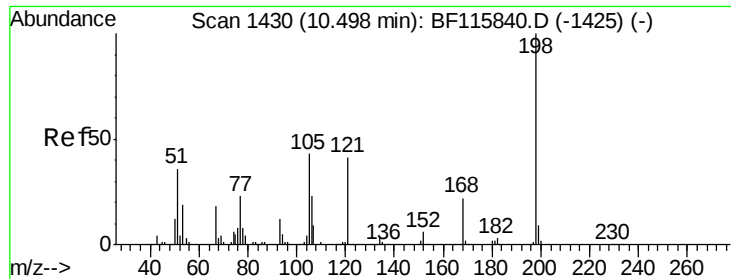


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 42.105 ng

RT: 10.46 min Scan# 1424

Delta R.T. -0.01 min

Lab File: BF116437.D

Acq: 20 Aug 2019 18:34

Instrument :

BNA_F

ClientSampleId :

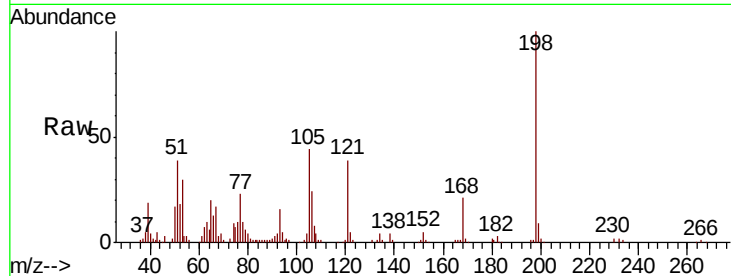
Tot Ion:198 Resp: 101321

Ion Ratio Lower Upper

198 100

51 39.4 17.0 57.0

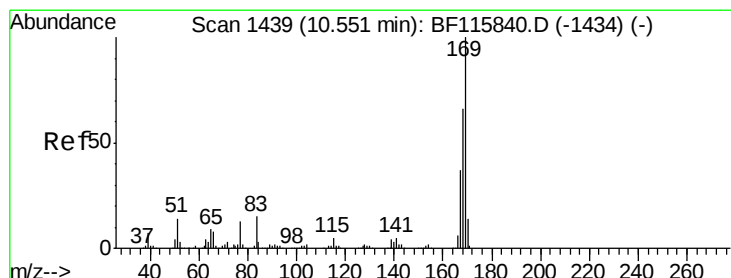
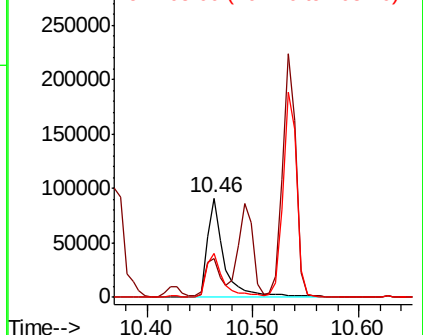
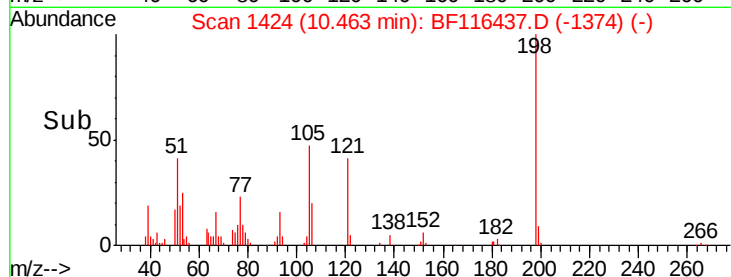
105 44.1 21.6 61.6



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: 43.046 ng

RT: 10.50 min Scan# 1430

Delta R.T. -0.01 min

Lab File: BF116437.D

Acq: 20 Aug 2019 18:34

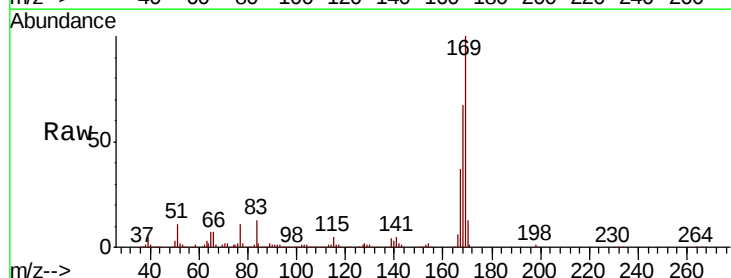
Tgt Ion:169 Resp: 588341

Ion Ratio Lower Upper

169 100

168 66.6 53.8 80.6

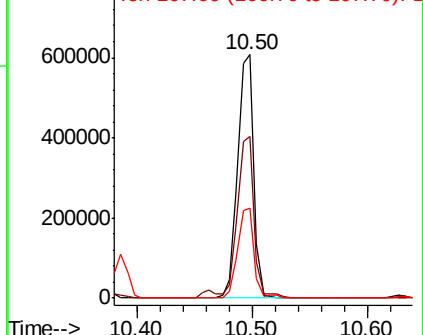
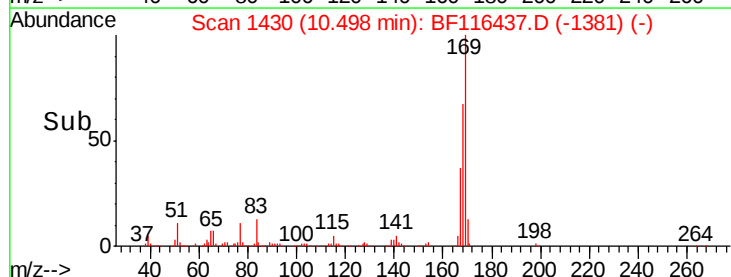
167 37.0 29.6 44.4



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

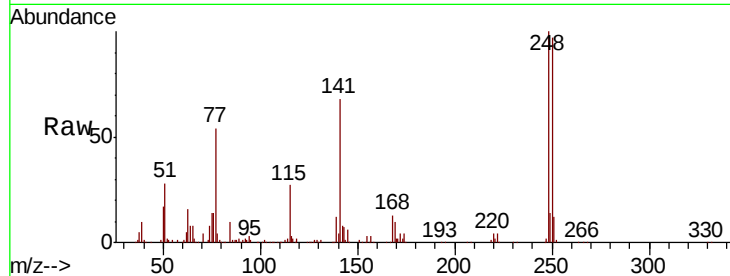




#67
4-Bromophenyl-phenylether
Concen: 43.057 ng
RT: 10.86 min Scan# 1492
Delta R.T. -0.01 min
Lab File: BF116437.D
Acq: 20 Aug 2019 18:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.1	77.4	116.2
141	68.4	56.8	85.2

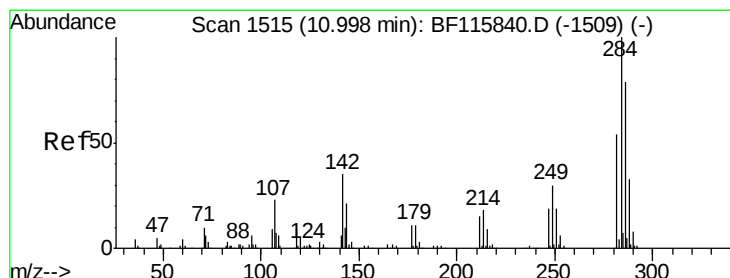
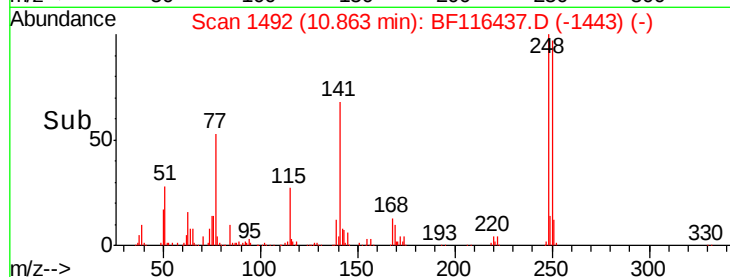
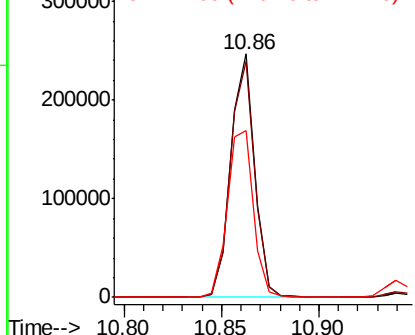


Abundance

Ion 248.00 (247.70 to 248.70): E

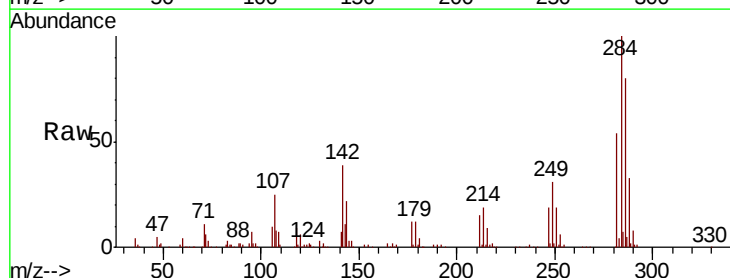
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 41.510 ng
RT: 10.94 min Scan# 1505
Delta R.T. -0.02 min
Lab File: BF116437.D
Acq: 20 Aug 2019 18:34

Tgt Ion	Ratio	Lower	Upper
284	100		
142	38.6	28.4	42.6
249	31.0	24.5	36.7

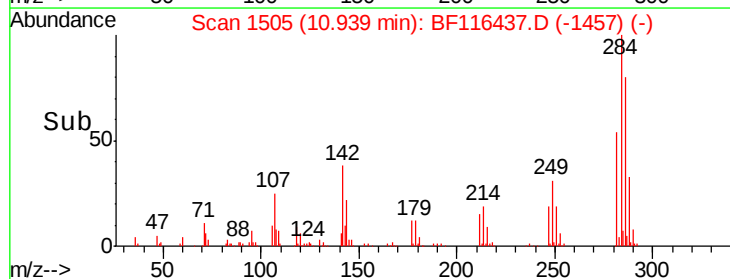
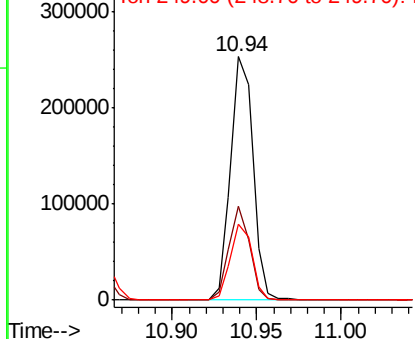


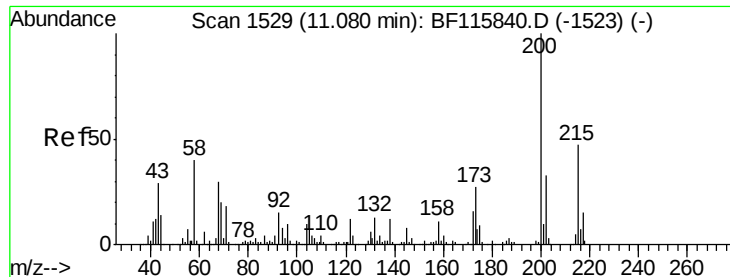
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#69

Atrazine

Concen: 36.658 ng

RT: 11.02 min Scan# 1519

Delta R.T. -0.01 min

Lab File: BF116437.D

Acq: 20 Aug 2019 18:34

Instrument :

BNA_F

ClientSampleId :

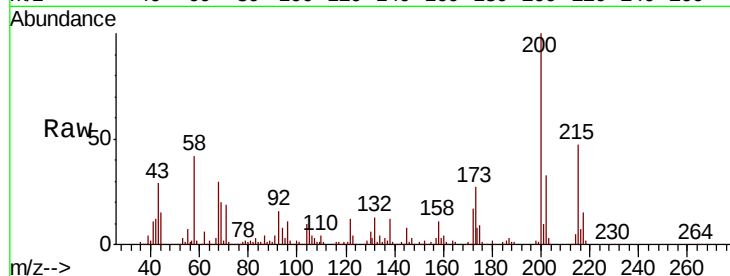
Tot Ion:200 Resp: 164828

Ion Ratio Lower Upper

200 100

173 27.2 6.8 46.8

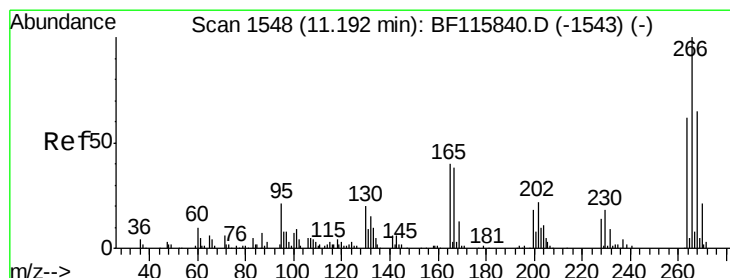
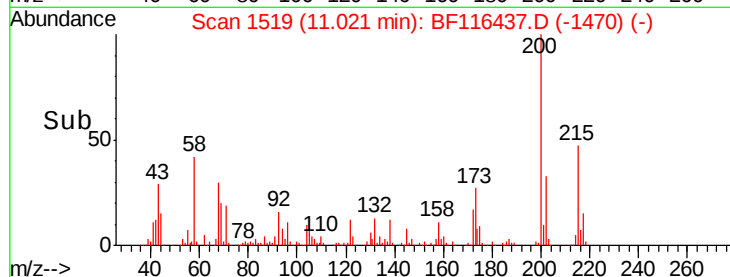
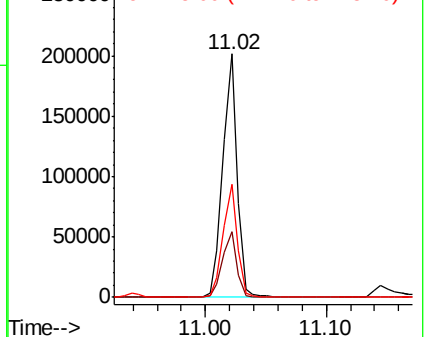
215 46.5 27.5 67.5



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Pentachlorophenol

Concen: 34.476 ng

RT: 11.15 min Scan# 1540

Delta R.T. -0.01 min

Lab File: BF116437.D

Acq: 20 Aug 2019 18:34

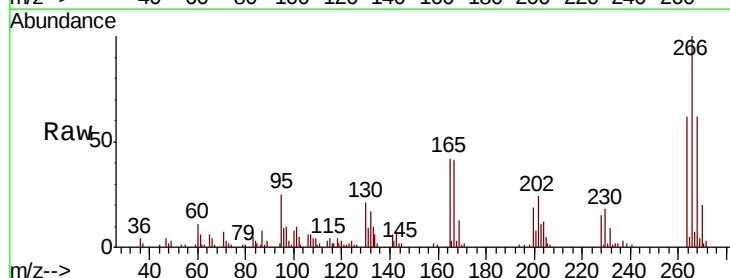
Tgt Ion:266 Resp: 94084

Ion Ratio Lower Upper

266 100

268 62.1 48.8 73.2

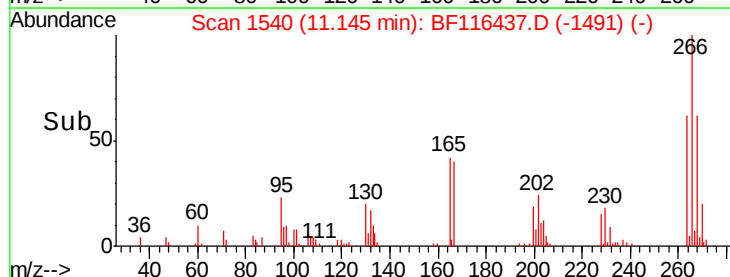
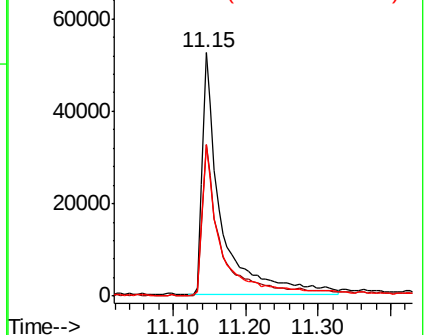
264 62.2 50.6 76.0

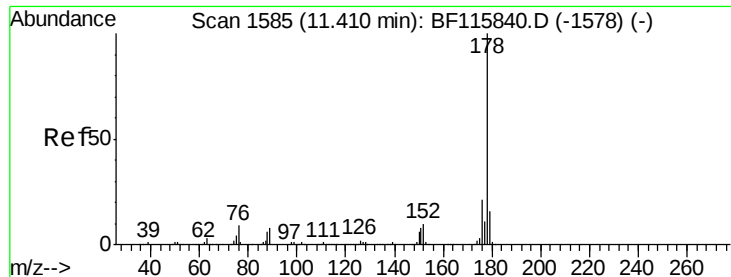


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 42.120 ng

RT: 11.35 min Scan# 1575

Delta R.T. -0.01 min

Lab File: BF116437.D

Acq: 20 Aug 2019 18:34

Instrument :

BNA_F

ClientSampled :

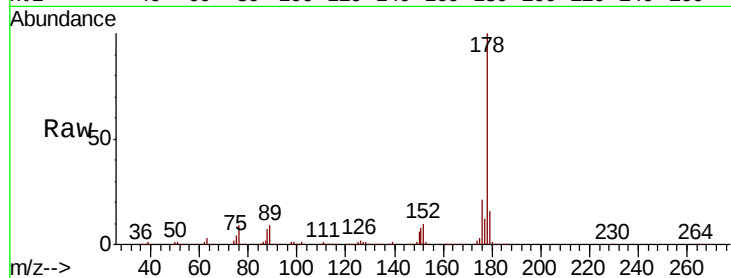
Tot Ion:178 Resp: 977787

Ion Ratio Lower Upper

178 100

176 20.7 16.6 24.8

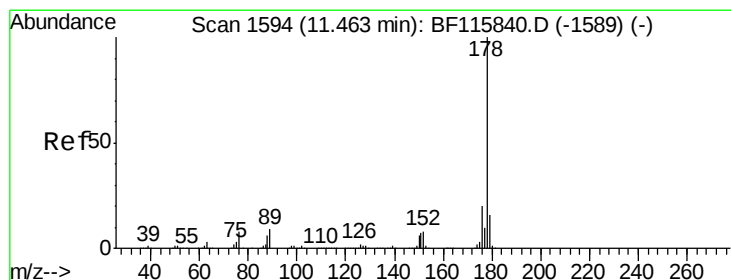
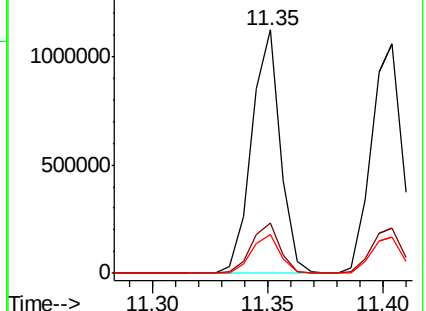
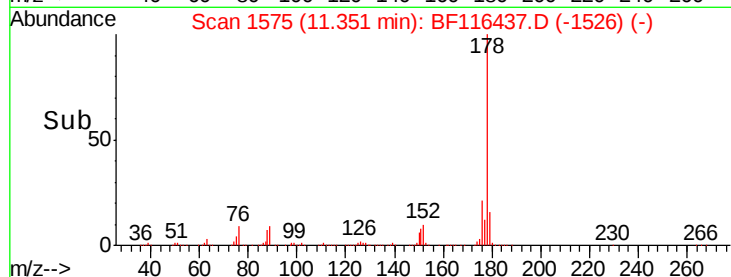
179 16.0 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E

1500000 Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 43.209 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF116437.D

Acq: 20 Aug 2019 18:34

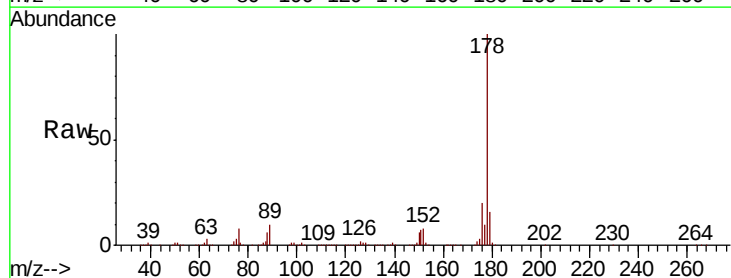
Tgt Ion:178 Resp: 1015142

Ion Ratio Lower Upper

178 100

176 19.9 15.7 23.5

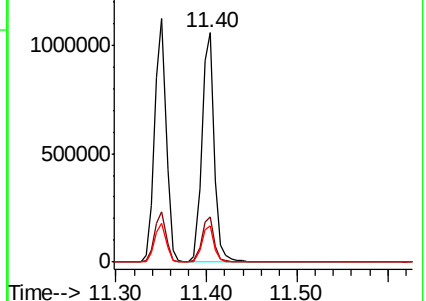
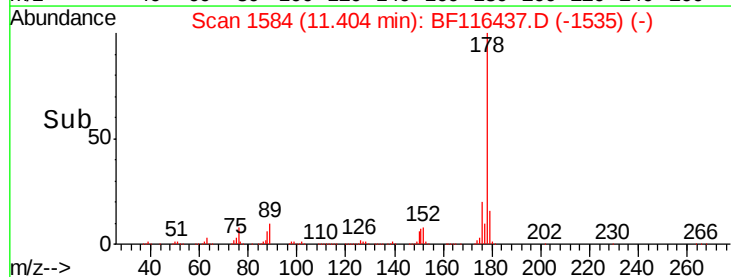
179 15.6 13.0 19.6

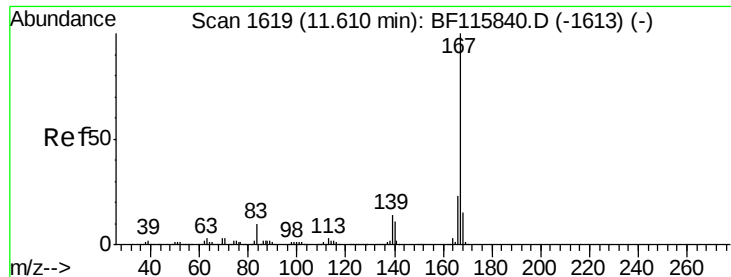


Abundance Ion 178.00 (177.70 to 178.70): E

1500000 Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Carbazole

Concen: 43.372 ng

RT: 11.56 min Scan# 1610

Delta R.T. -0.01 min

Lab File: BF116437.D

Acq: 20 Aug 2019 18:34

Instrument :

BNA_F

ClientSampleId :

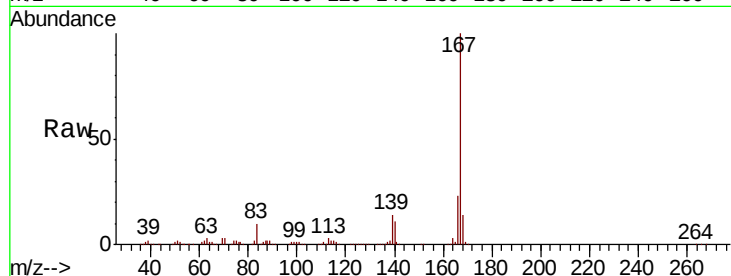
Tot Ion:167 Resp: 924462

Ion Ratio Lower Upper

167 100

166 22.5 17.8 26.6

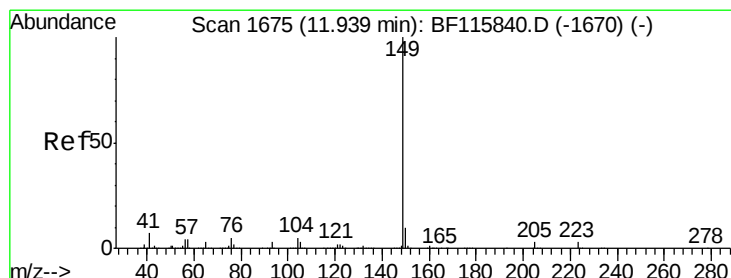
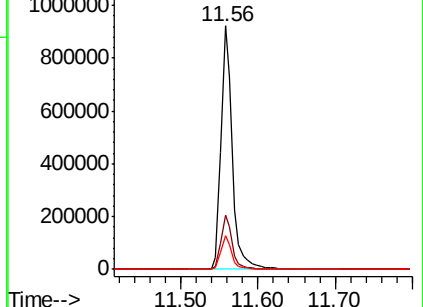
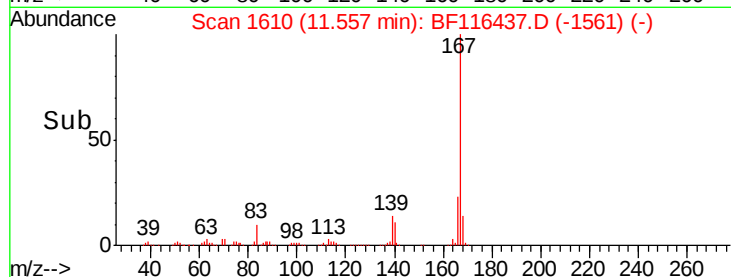
139 14.1 11.4 17.0



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 46.396 ng

RT: 11.87 min Scan# 1664

Delta R.T. -0.01 min

Lab File: BF116437.D

Acq: 20 Aug 2019 18:34

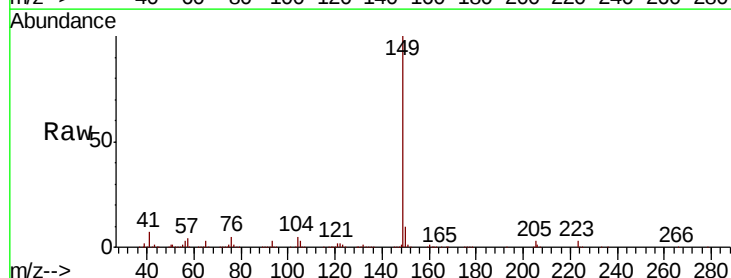
Tgt Ion:149 Resp: 1153622

Ion Ratio Lower Upper

149 100

150 9.7 8.0 12.0

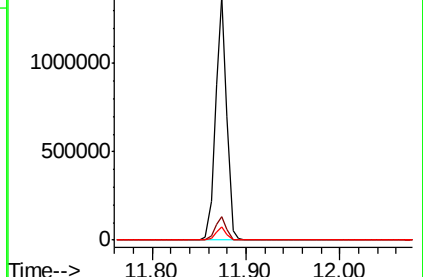
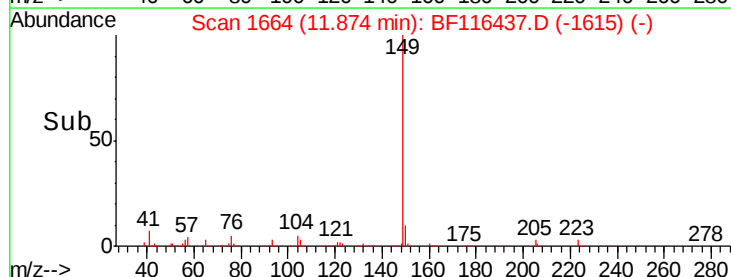
104 5.2 4.5 6.7

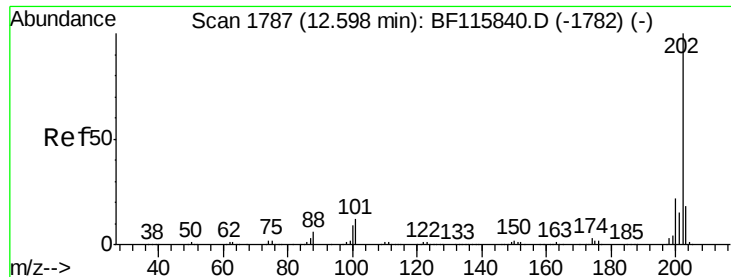


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 43.448 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.01 min

Lab File: BF116437.D

Acq: 20 Aug 2019 18:34

Instrument :

BNA_F

ClientSampleId :

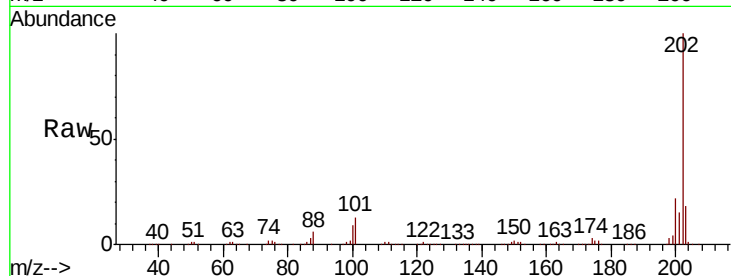
Tot Ion:202 Resp: 1055924

Ion Ratio Lower Upper

202 100

101 12.7 0.0 31.2

203 18.2 0.0 37.8

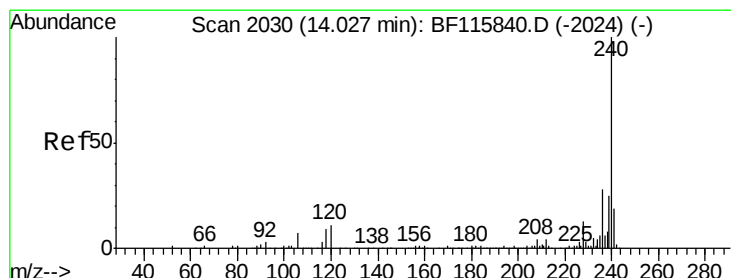
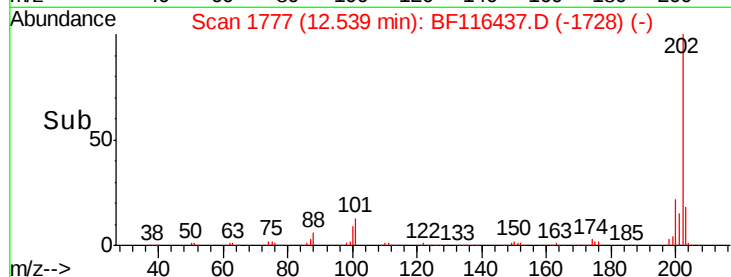
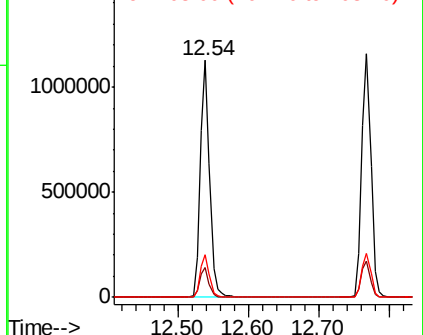


Abundance

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: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF116437.D

Acq: 20 Aug 2019 18:34

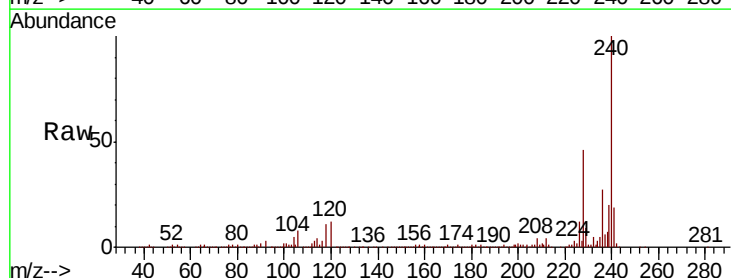
Tgt Ion:240 Resp: 342399

Ion Ratio Lower Upper

240 100

120 11.9 10.7 16.1

236 26.9 22.2 33.2

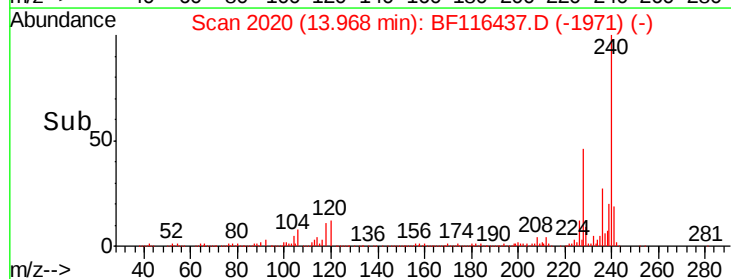
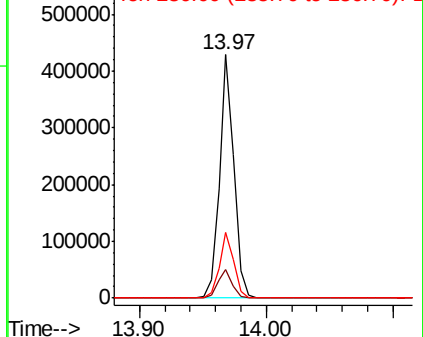


Abundance

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: 40.094 ng

RT: 12.66 min Scan# 1797

Delta R.T. -0.02 min

Lab File: BF116437.D

Acq: 20 Aug 2019 18:34

Instrument :

BNA_F

ClientSampleId :

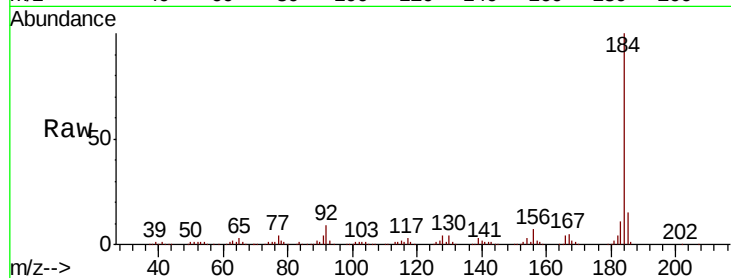
Tot Ion:184 Resp: 463794

Ion	Ratio	Lower	Upper
184	100		
185	15.2	12.8	19.2
183	11.3	9.4	14.0

184 100

185 15.2 12.8 19.2

183 11.3 9.4 14.0

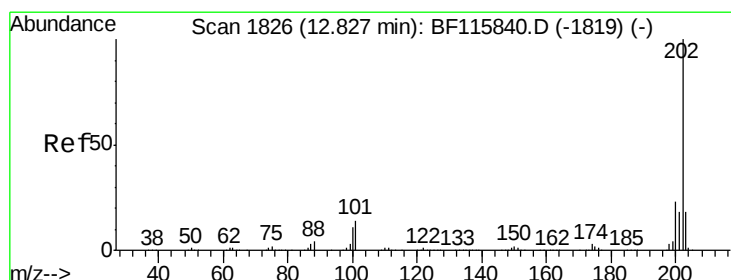
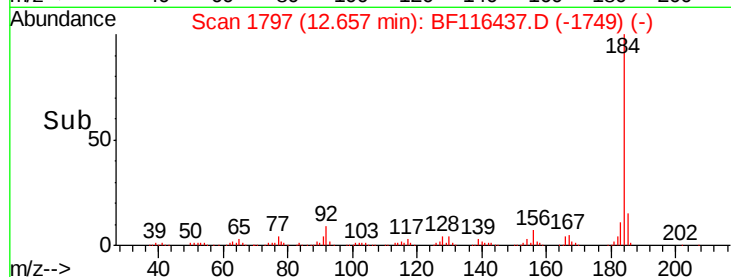
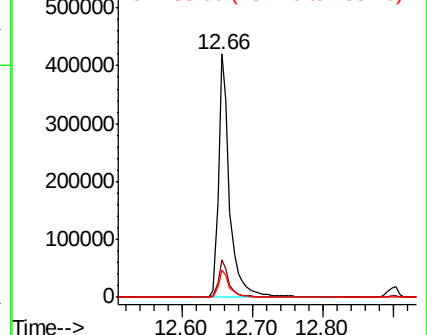


Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 41.097 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BF116437.D

Acq: 20 Aug 2019 18:34

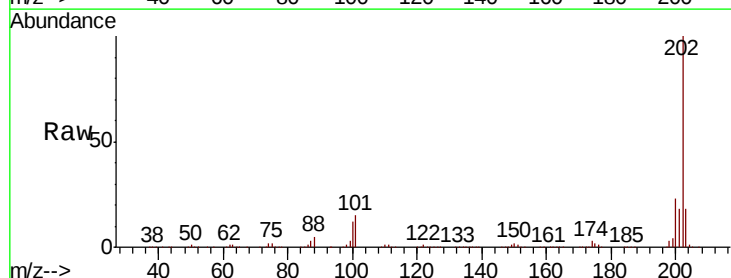
Tgt Ion:202 Resp: 1060729

Ion	Ratio	Lower	Upper
202	100		
200	23.1	18.0	27.0
203	18.2	14.1	21.1

202 100

200 23.1 18.0 27.0

203 18.2 14.1 21.1

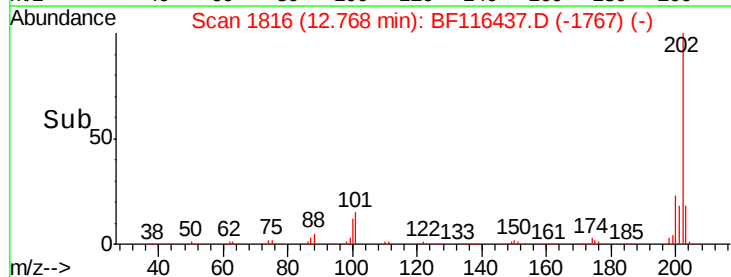
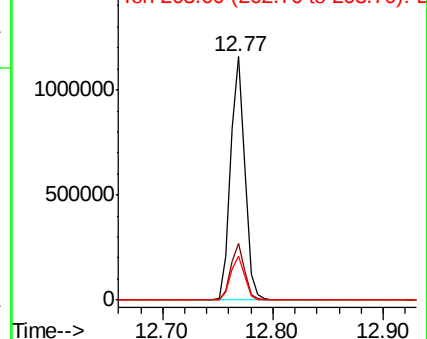


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

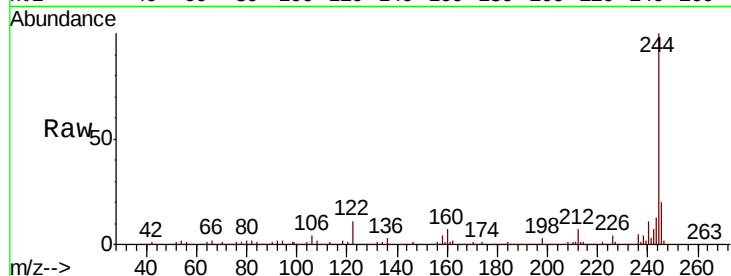




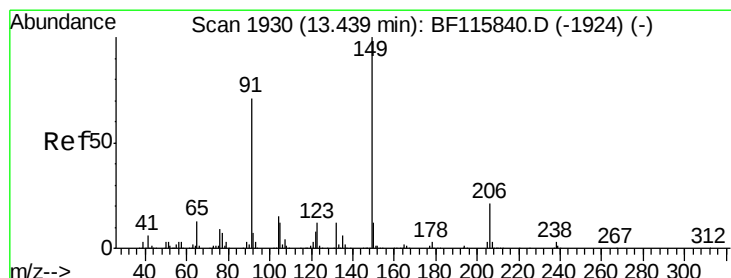
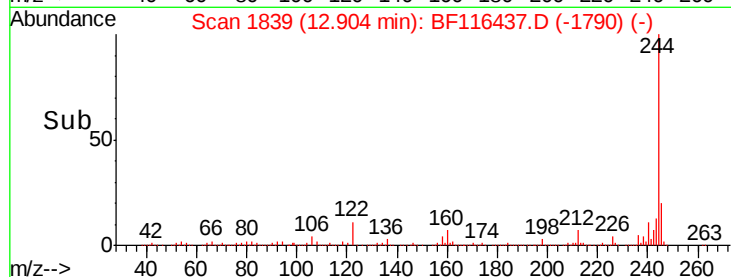
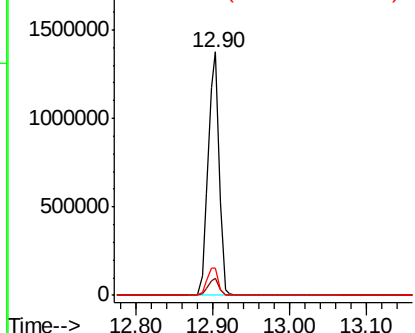
#79
 Terphenyl-d14
 Concen: 83.118 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. -0.01 min
 Lab File: BF116437.D
 Acq: 20 Aug 2019 18:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1350610
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.8
 122 11.3 9.0 13.4

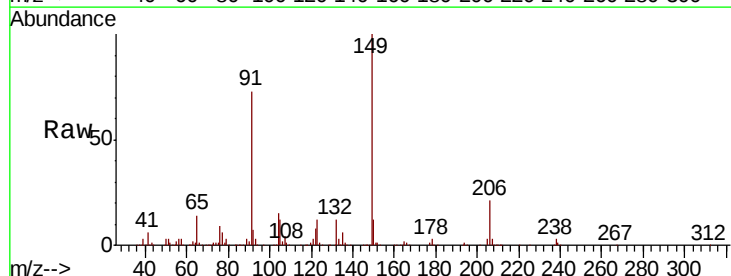


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

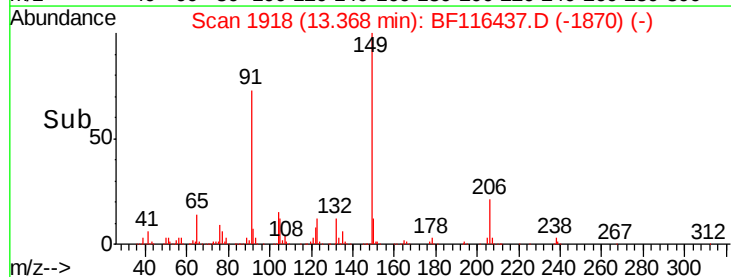
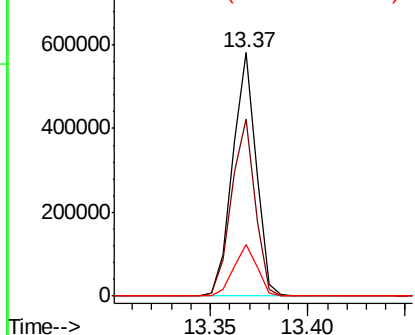


#80
 Butylbenzylphthalate
 Concen: 44.653 ng
 RT: 13.37 min Scan# 1918
 Delta R.T. -0.02 min
 Lab File: BF116437.D
 Acq: 20 Aug 2019 18:34

Tgt Ion:149 Resp: 487524
 Ion Ratio Lower Upper
 149 100
 91 72.7 56.3 84.5
 206 21.4 18.0 27.0



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 91.00 (90.70 to 91.70): BF1
 Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 42.755 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF116437.D

Acq: 20 Aug 2019 18:34

Instrument :

BNA_F

ClientSampleId :

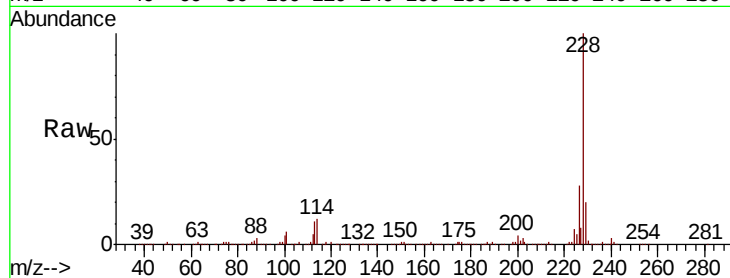
Tot Ion:228 Resp: 935688

Ion Ratio Lower Upper

228 100

226 28.2 22.7 34.1

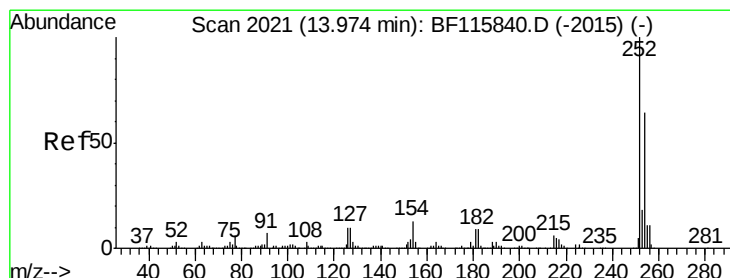
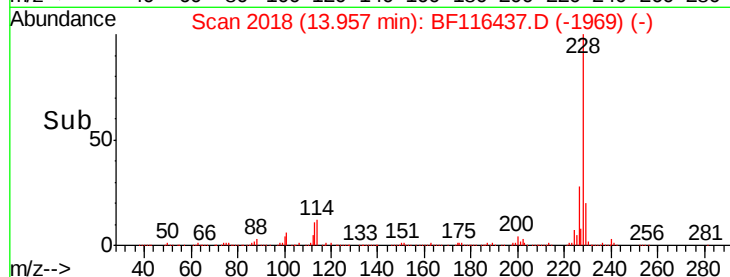
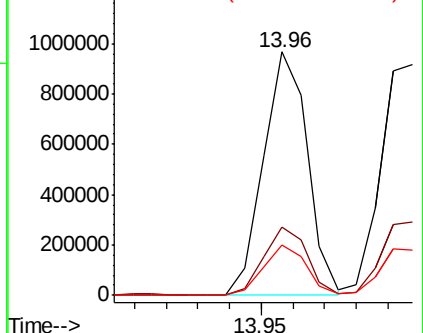
229 20.5 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 43.374 ng

RT: 13.91 min Scan# 2010

Delta R.T. -0.01 min

Lab File: BF116437.D

Acq: 20 Aug 2019 18:34

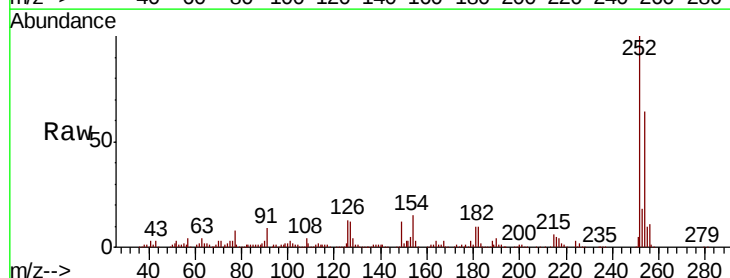
Tgt Ion:252 Resp: 329782

Ion Ratio Lower Upper

252 100

254 64.4 50.9 76.3

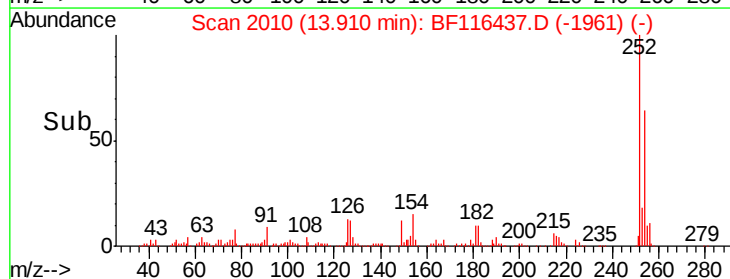
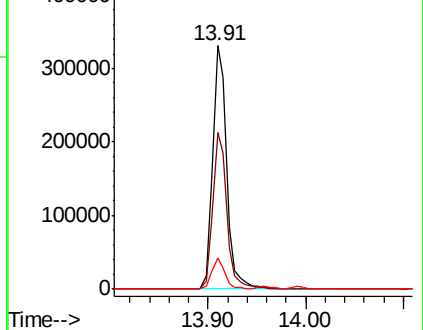
126 12.6 9.8 14.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrvsene

Concen: 43.067 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF116437.D

Acq: 20 Aug 2019 18:34

Instrument :

BNA_F

ClientSampleId :

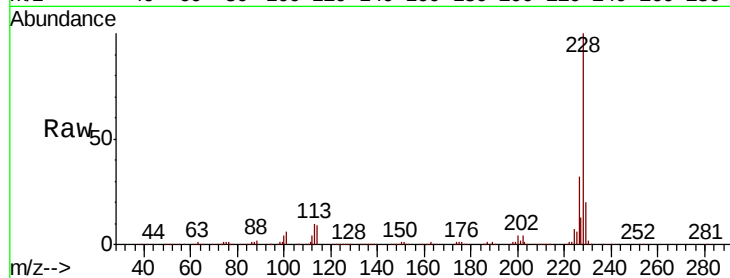
Tot Ion:228 Resp: 915038

Ion Ratio Lower Upper

228 100

226 31.5 25.5 38.3

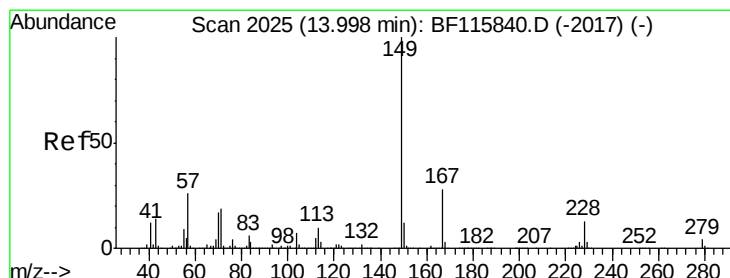
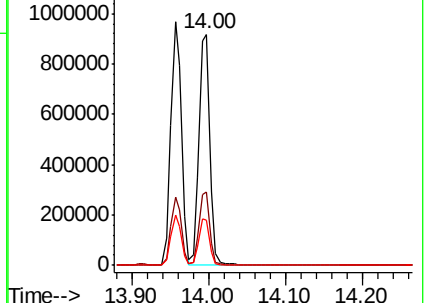
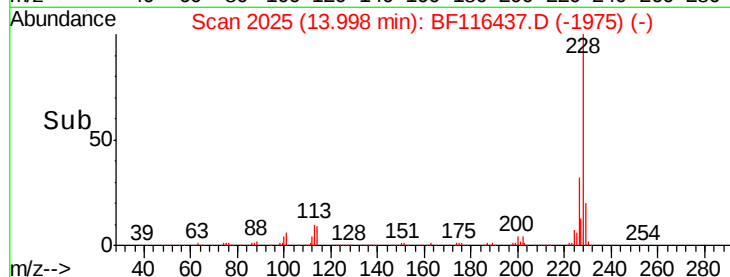
229 19.8 16.6 24.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 48.049 ng

RT: 13.92 min Scan# 2012

Delta R.T. -0.02 min

Lab File: BF116437.D

Acq: 20 Aug 2019 18:34

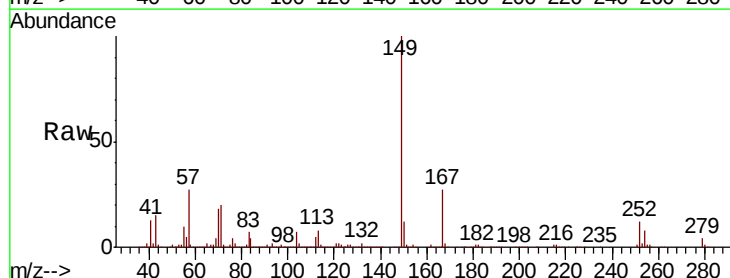
Tgt Ion:149 Resp: 681708

Ion Ratio Lower Upper

149 100

167 27.4 21.6 32.4

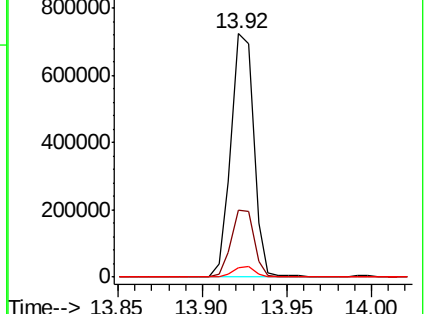
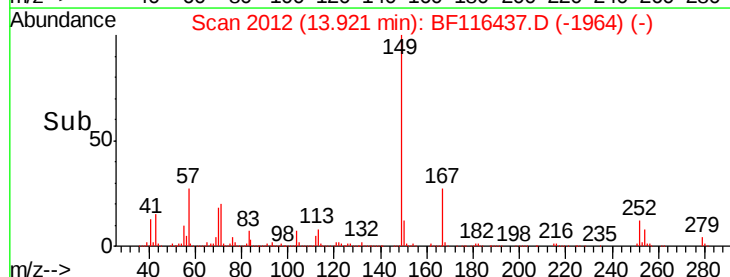
279 3.7 3.0 4.4

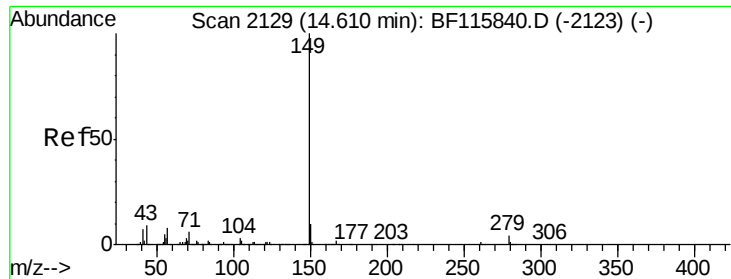


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 48.241 ng

RT: 14.53 min Scan# 2116

Delta R.T. -0.01 min

Lab File: BF116437.D

Acq: 20 Aug 2019 18:34

Instrument :

BNA_F

ClientSampleId :

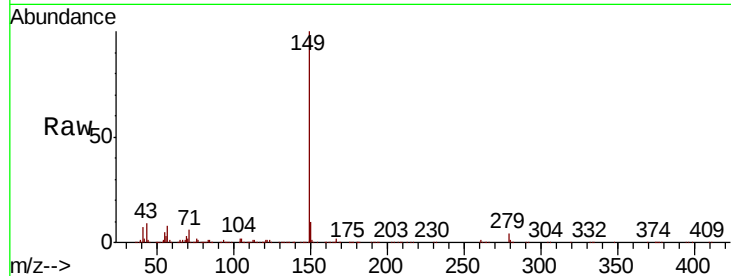
Tot Ion:149 Resp: 1087140

Ion Ratio Lower Upper

149 100

167 1.5 1.4 2.0

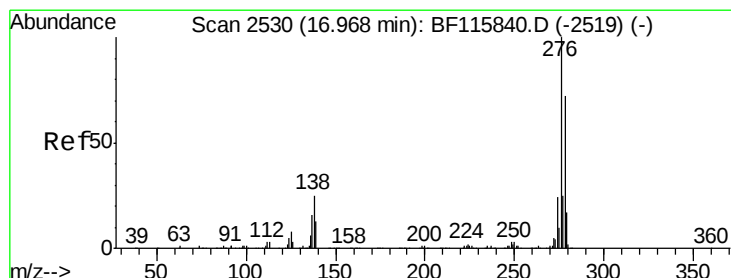
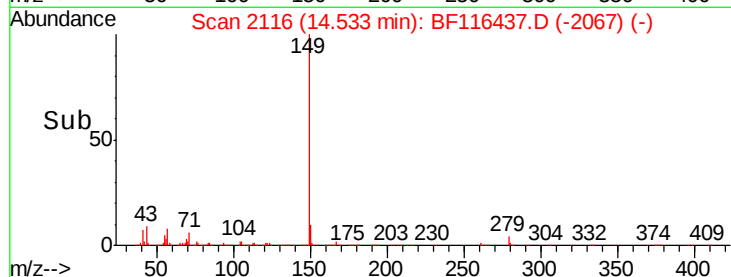
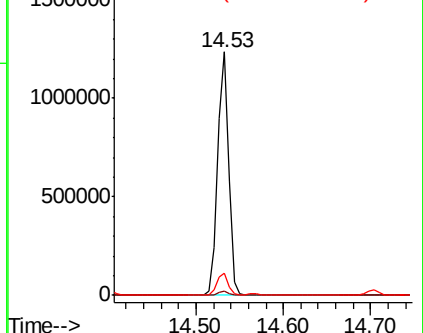
43 9.2 7.5 11.3



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 42.560 ng

RT: 16.89 min Scan# 2516

Delta R.T. -0.01 min

Lab File: BF116437.D

Acq: 20 Aug 2019 18:34

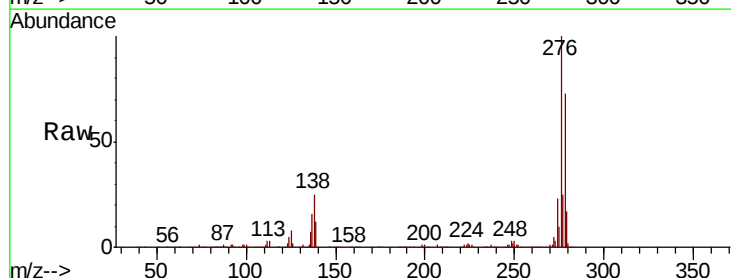
Tgt Ion:276 Resp: 759482

Ion Ratio Lower Upper

276 100

138 25.7 20.4 30.6

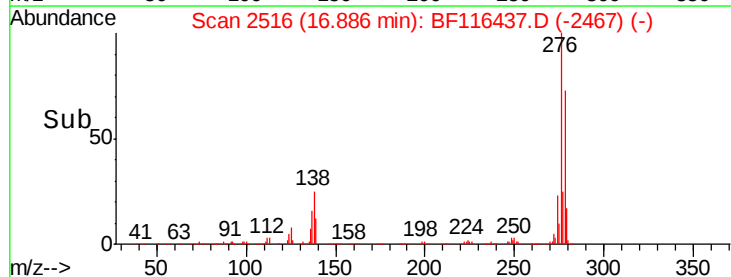
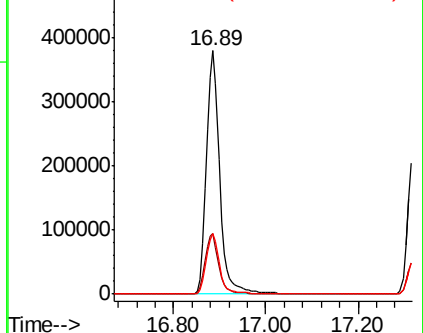
277 25.0 20.0 30.0

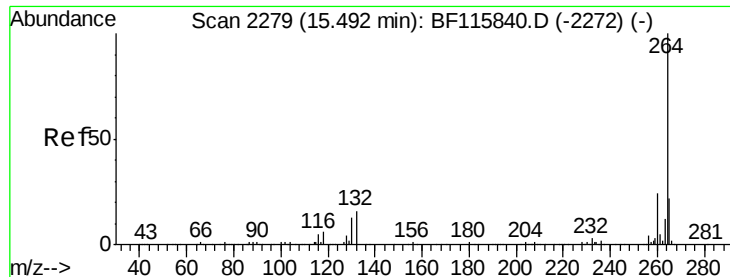


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

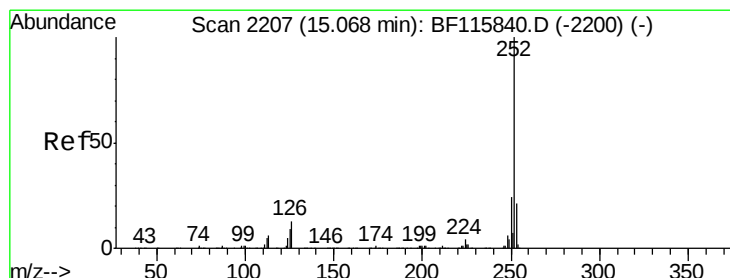
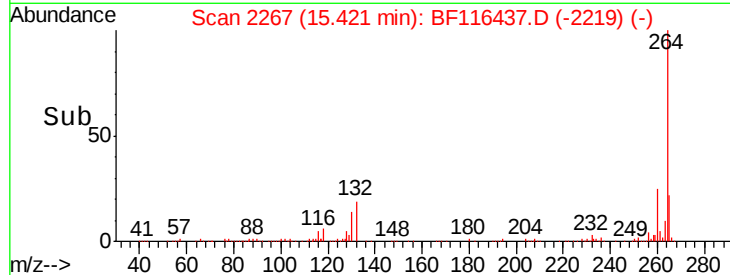
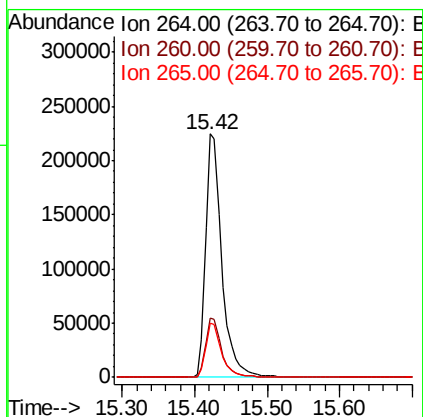
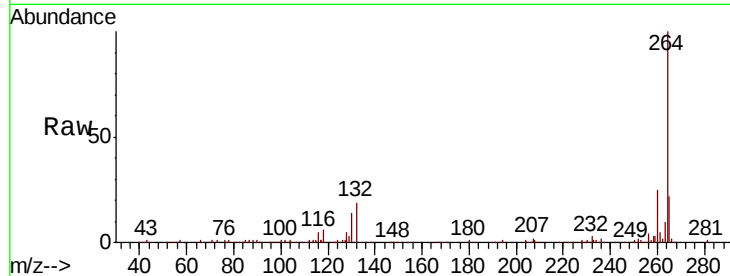




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.02 min
Lab File: BF116437.D
Acq: 20 Aug 2019 18:34

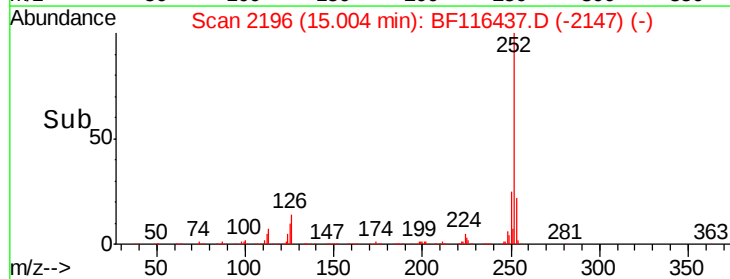
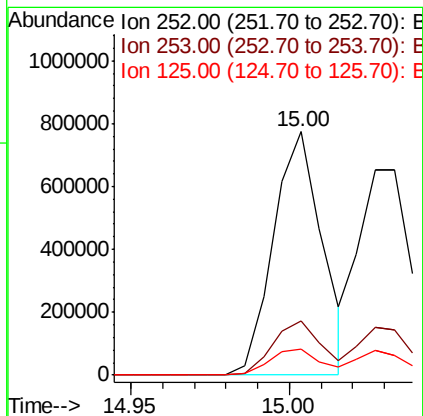
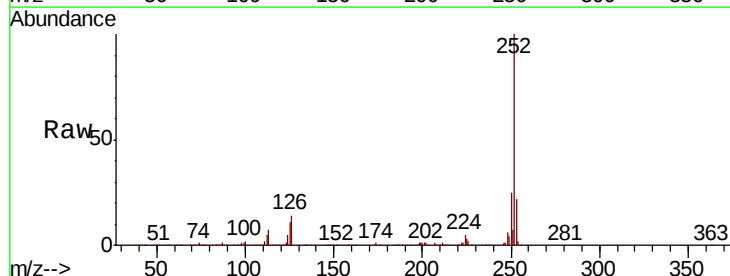
Instrument :
BNA_F
ClientSampleId :

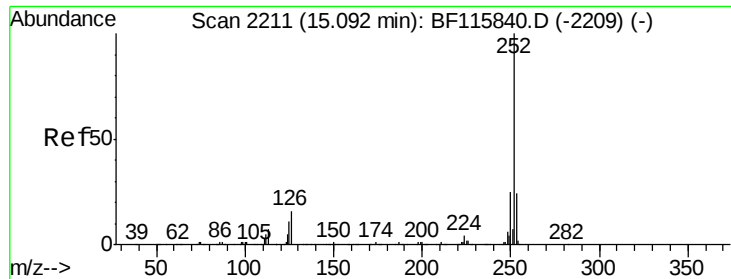
Tot Ion:264 Resp: 350049
Ion Ratio Lower Upper
264 100
260 24.6 19.7 29.5
265 22.1 17.4 26.0



#88
Benzo(b)fluoranthene
Concen: 41.019 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BF116437.D
Acq: 20 Aug 2019 18:34

Tgt Ion:252 Resp: 830229
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.8
125 10.5 8.4 12.6





#89

Benzo(k)fluoranthene

Concen: 41.092 ng

RT: 15.03 min Scan# 2201

Delta R.T. -0.01 min

Lab File: BF116437.D

Acq: 20 Aug 2019 18:34

Instrument :

BNA_F

ClientSampled :

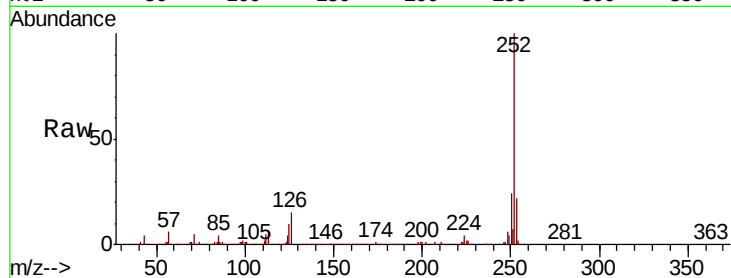
Tot Ion:252 Resp: 810090

Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.8

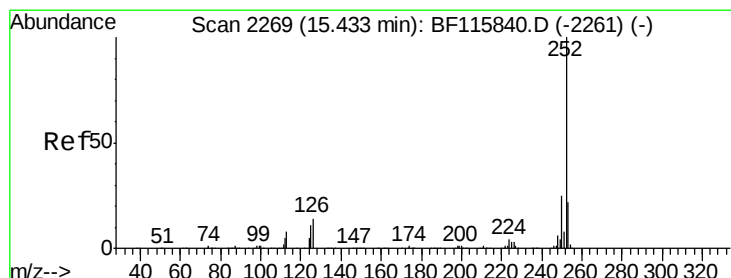
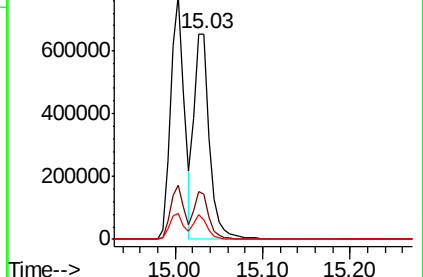
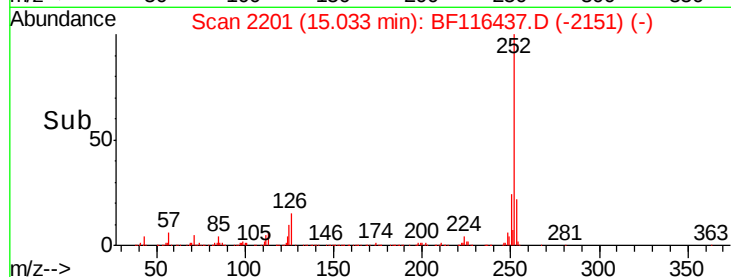
125 9.8 7.7 11.5



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 41.436 ng

RT: 15.36 min Scan# 2257

Delta R.T. -0.02 min

Lab File: BF116437.D

Acq: 20 Aug 2019 18:34

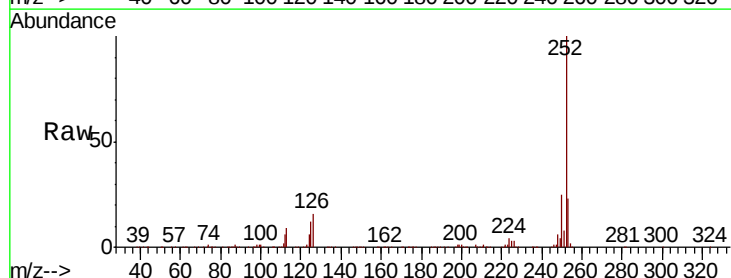
Tgt Ion:252 Resp: 749707

Ion Ratio Lower Upper

252 100

253 22.6 18.0 27.0

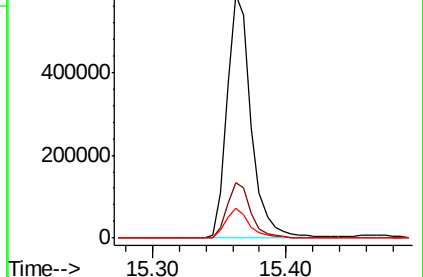
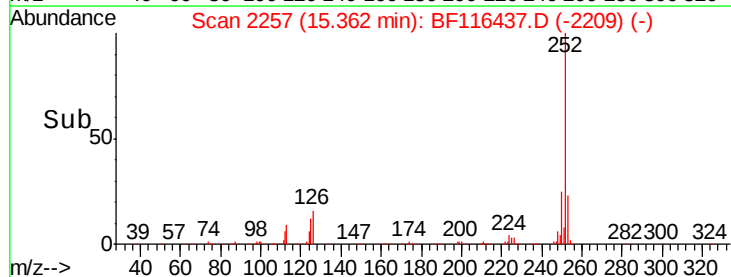
125 12.3 8.9 13.3



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 40.018 ng

RT: 16.88 min Scan# 2515

Delta R.T. -0.02 min

Lab File: BF116437.D

Acq: 20 Aug 2019 18:34

Instrument :

BNA_F

ClientSampleId :

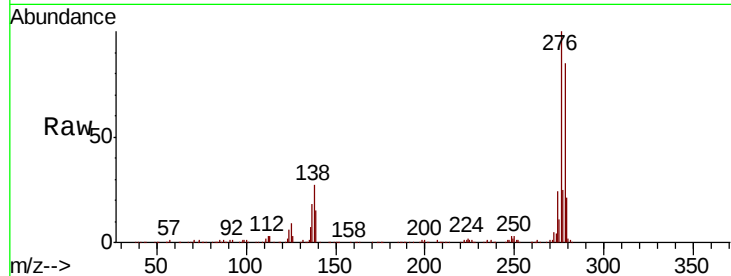
Tot Ion:278 Resp: 626753

Ion Ratio Lower Upper

278 100

139 17.4 12.8 19.2

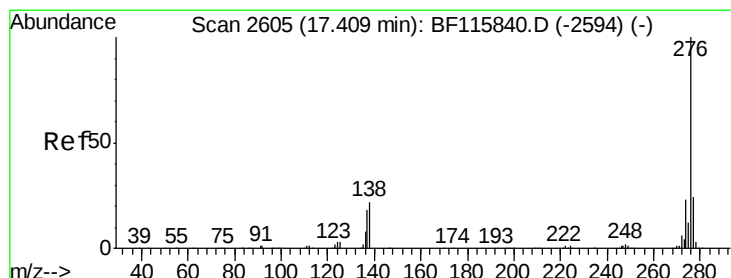
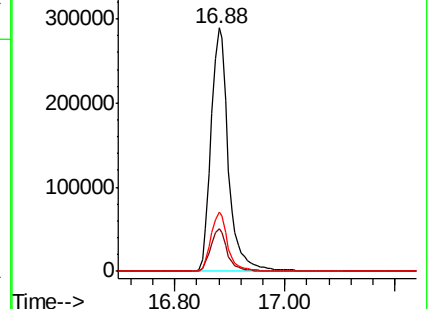
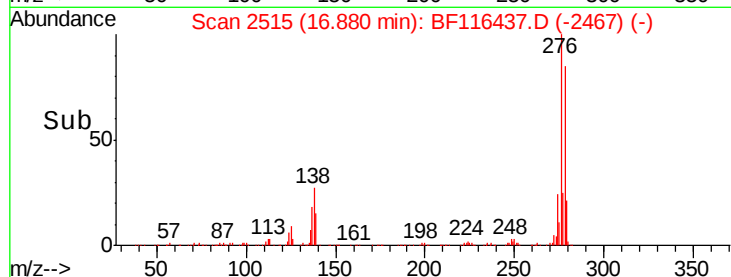
279 24.4 18.8 28.2



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 38.617 ng

RT: 17.32 min Scan# 2590

Delta R.T. -0.02 min

Lab File: BF116437.D

Acq: 20 Aug 2019 18:34

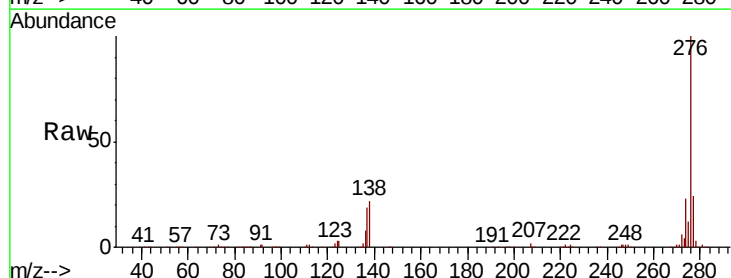
Tgt Ion:276 Resp: 593979

Ion Ratio Lower Upper

276 100

277 23.9 18.4 27.6

138 22.1 17.0 25.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

