

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080219\
 Data File : BF115965.D
 Acq On : 2 Aug 2019 23:38
 Operator : HP/JU
 Sample : K4048-05RE
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OWL-C4-GW

Quant Time: Aug 03 03:41:46 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	105370	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	392631	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	226854	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	397201	20.00	ng	0.00
76) Chrysene-d12	14.02	240	279588	20.00	ng	0.00
87) Perylene-d12	15.50	264	319379	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	397133	63.09	ng	0.02
7) Phenol-d6	6.48	99	328980	41.43	ng	0.00
23) Nitrobenzene-d5	7.42	82	630801	92.74	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	294454	133.88	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1124415	92.84	ng	0.00
79) Terphenyl-d14	12.97	244	1349223	101.69	ng	0.00

Target Compounds

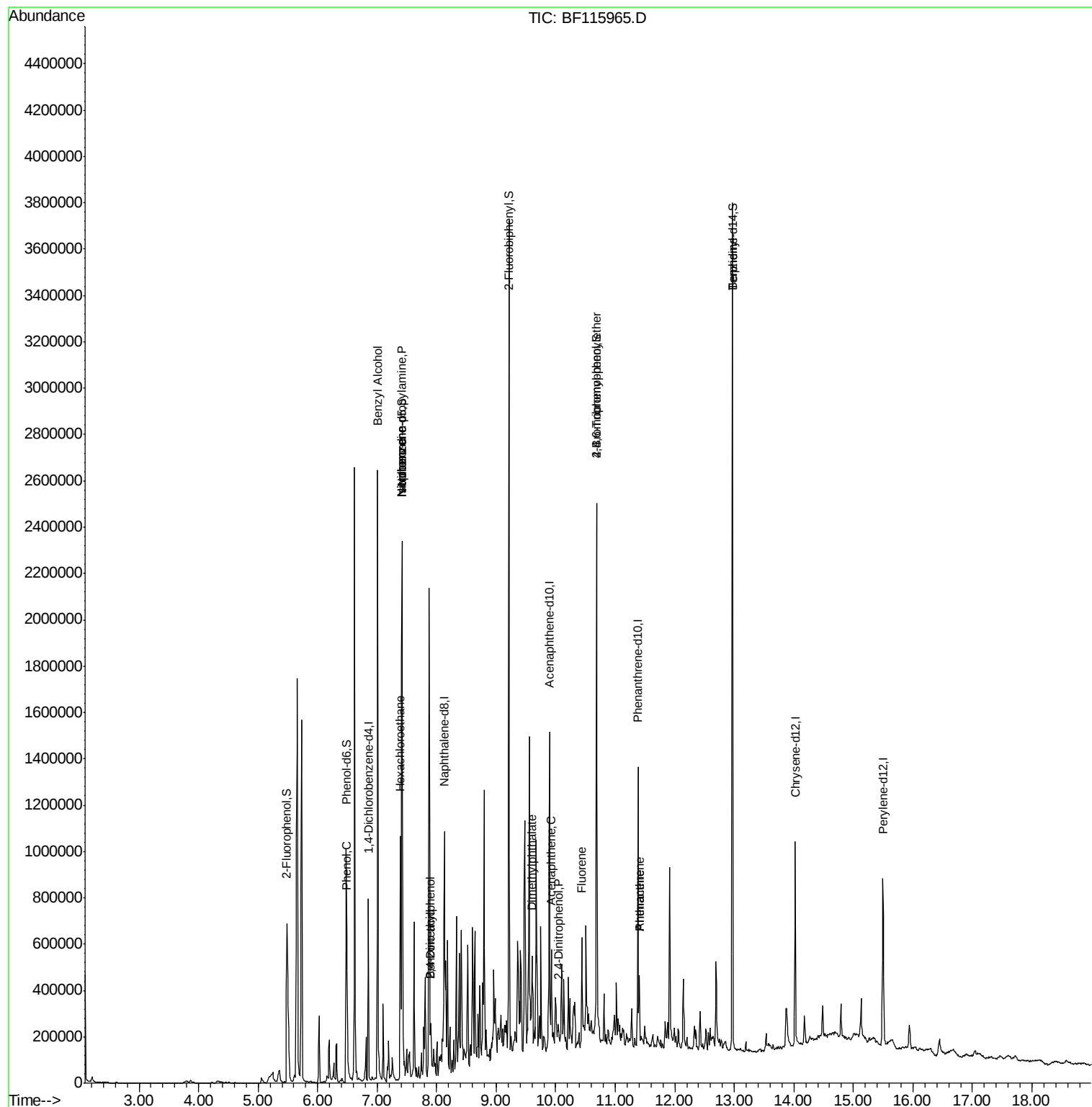
						Qvalue
10) Phenol	6.49	94	106089	11.344	ng	99
15) Benzyl Alcohol	7.01	79	16323	2.708	ng	# 40
18) Hexachloroethane	7.39	117	97541	32.894	ng	# 1
19) n-Nitroso-di-n-propylamine	7.42	70	84028	17.075	ng	# 80
24) Nitrobenzene	7.42	77	21410	2.915	ng	# 2
25) Isophorone	7.42	82	630533	48.479	ng	# 66
27) 2,4-Dimethylphenol	7.90	122	37710	7.240	ng	# 6
32) Benzoic acid	7.90	122	37710	10.269	ng	93
50) Dimethylphthalate	9.60	163	119210	7.718	ng	98
52) Acenaphthene	9.93	154	65976	5.530	ng	93
54) 2,4-Dinitrophenol	10.04	184	414	8.031	ng	# 1
58) Fluorene	10.44	166	105605	7.911	ng	98
67) 4-Bromophenyl-phenylether	10.69	248	17806	4.188	ng	# 1
71) Phenanthrene	11.40	178	102643	5.055	ng	98
72) Anthracene	11.40	178	102643	4.995	ng	99
77) Benzidine	12.97	184	19013	2.013	ng	95

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

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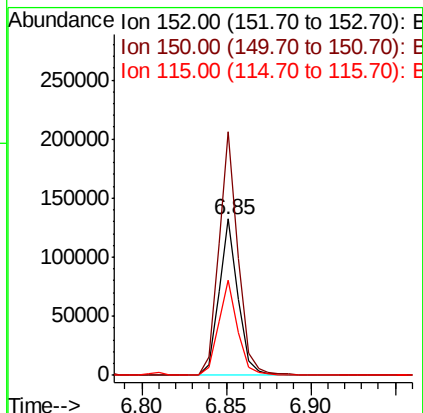
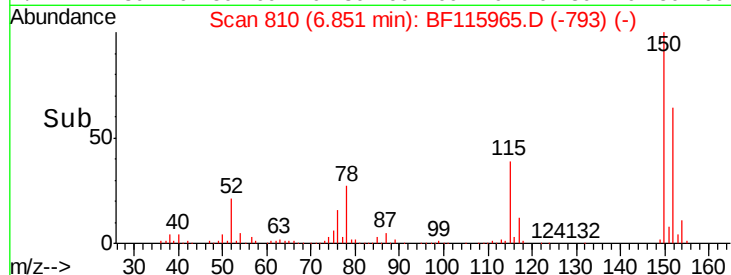
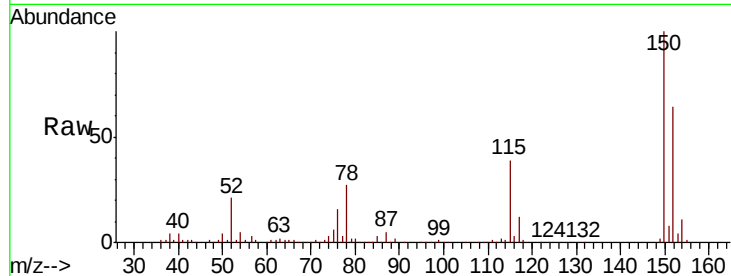


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF115965.D
Acq: 2 Aug 2019 23:38

Instrument :
BNA_F
ClientSampleId :
OWL-C4-GW

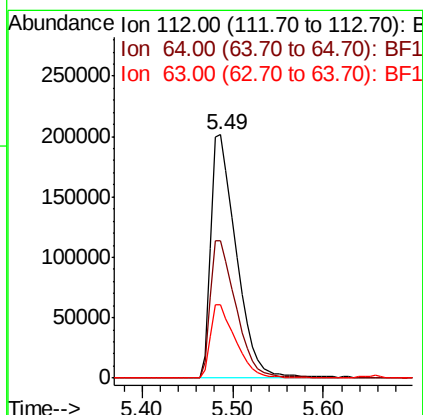
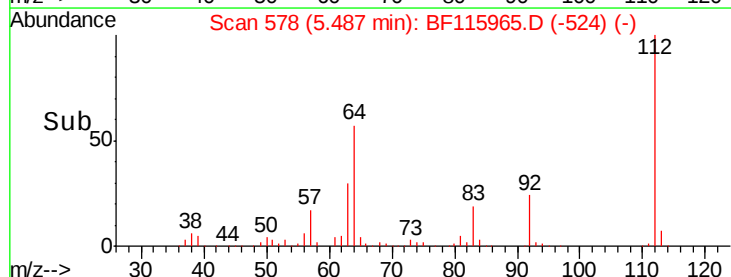
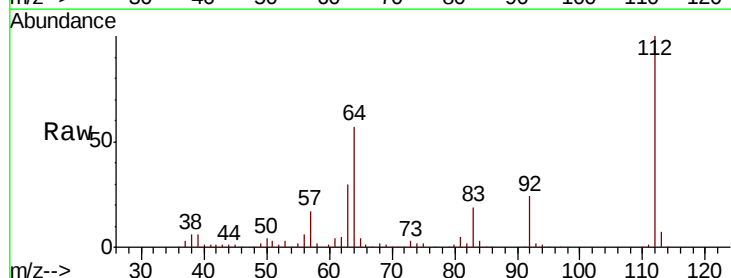
Tgt Ion:152 Resp: 105370
Ion Ratio Lower Upper
152 100
150 155.6 127.4 191.0
115 60.6 51.8 77.8



#5

2-Fluorophenol
Concen: 63.094 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.02 min
Lab File: BF115965.D
Acq: 2 Aug 2019 23:38

Tgt Ion:112 Resp: 397133
Ion Ratio Lower Upper
112 100
64 56.6 46.8 70.2
63 30.3 24.2 36.2





#7

Phenol-d6

Concen: 41.426 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF115965.D

Acq: 2 Aug 2019 23:38

Instrument :

BNA_F

ClientSampleId :

OWL-C4-GW

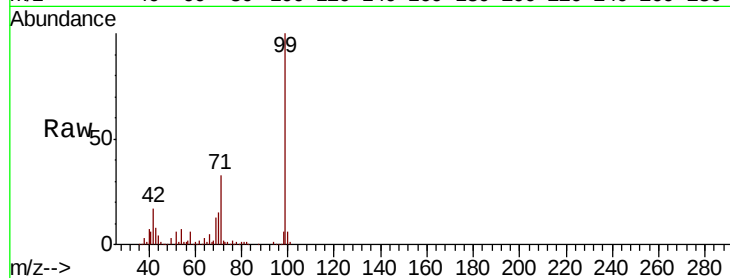
Tgt Ion: 99 Resp: 328980

Ion Ratio Lower Upper

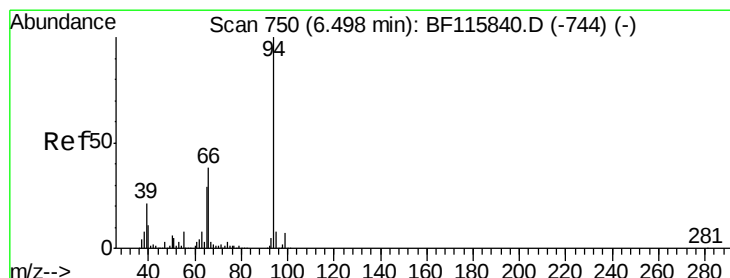
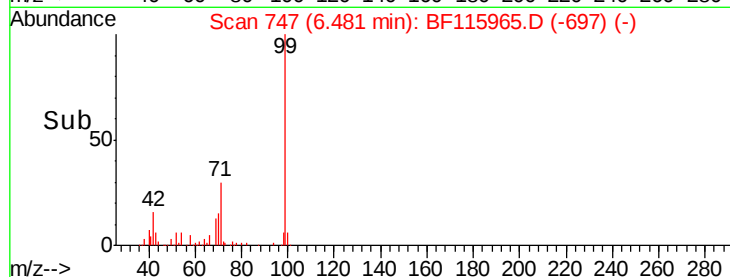
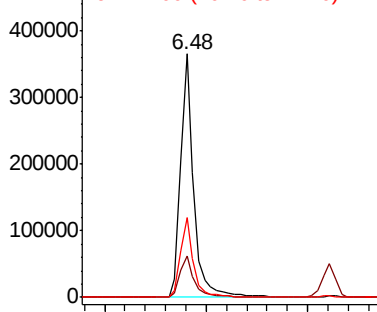
99 100

42 17.2 13.8 20.6

71 32.7 27.1 40.7



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



#10

Phenol

Concen: 11.344 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF115965.D

Acq: 2 Aug 2019 23:38

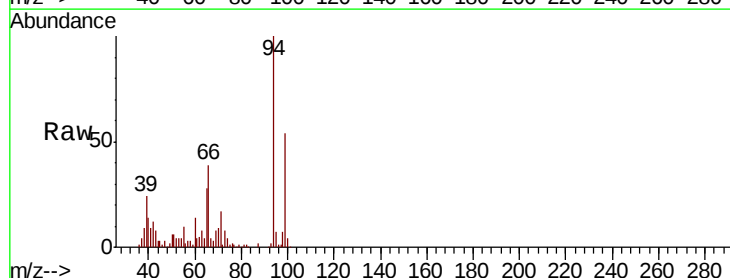
Tgt Ion: 94 Resp: 106089

Ion Ratio Lower Upper

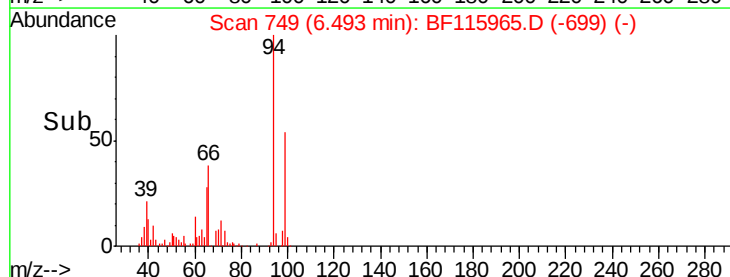
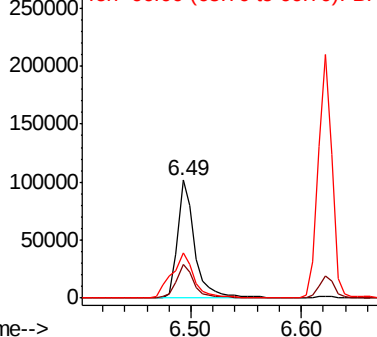
94 100

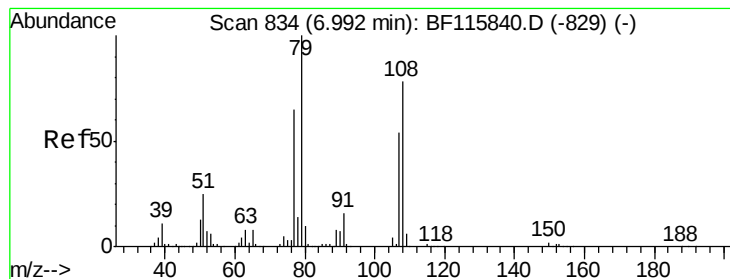
65 28.2 8.9 48.9

66 38.7 18.0 58.0



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





#15

Benzyl Alcohol

Concen: 2.708 ng

RT: 7.01 min Scan# 837

Delta R.T. 0.02 min

Lab File: BF115965.D

Acq: 2 Aug 2019 23:38

Instrument :

BNA_F

ClientSampleId :

OWL-C4-GW

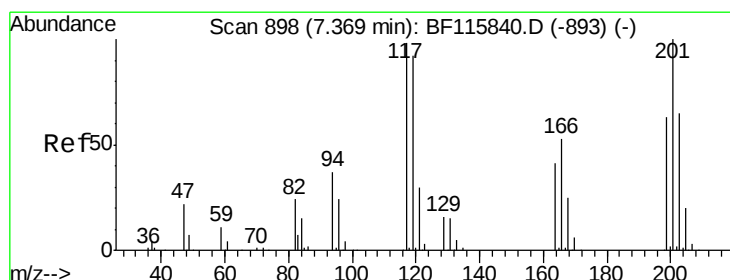
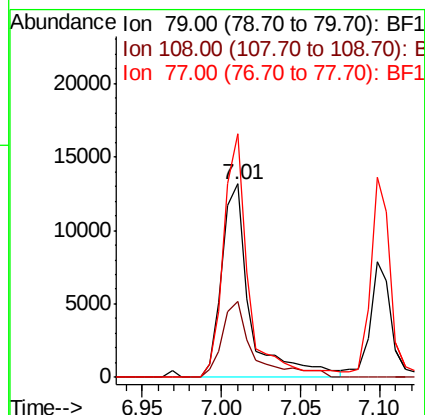
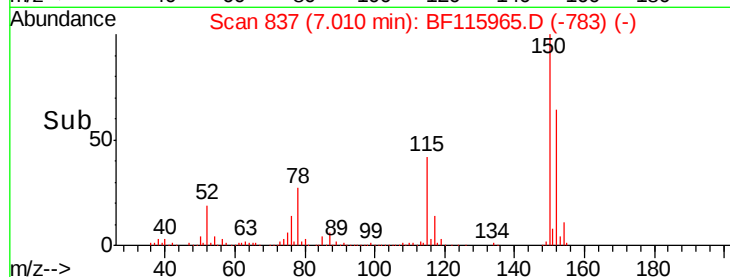
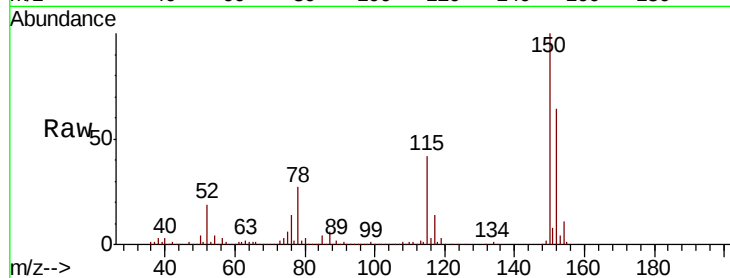
Tgt Ion: 79 Resp: 16323

Ion Ratio Lower Upper

79 100

108 39.0 62.8 94.2#

77 126.0 52.0 78.0#



#18

Hexachloroethane

Concen: 32.894 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.02 min

Lab File: BF115965.D

Acq: 2 Aug 2019 23:38

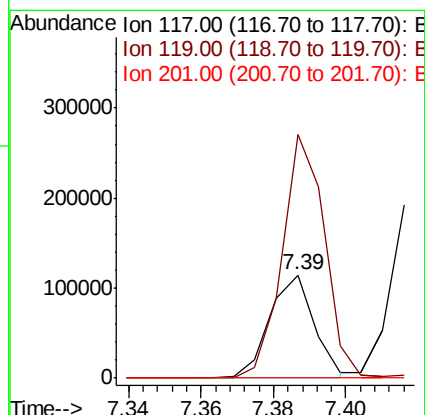
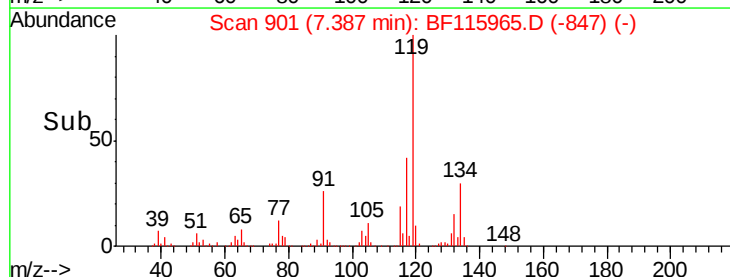
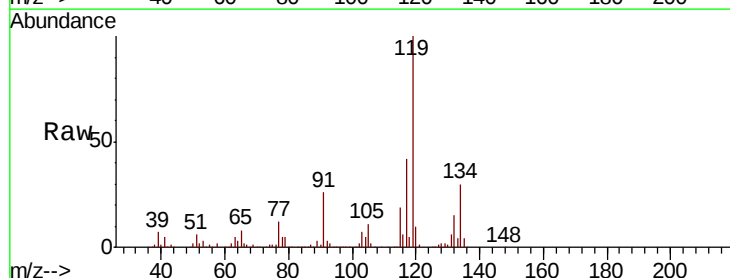
Tgt Ion: 117 Resp: 97541

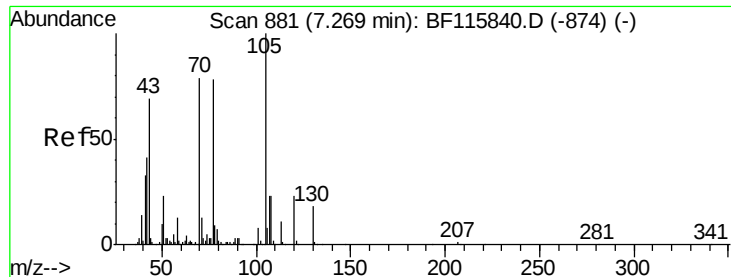
Ion Ratio Lower Upper

117 100

119 236.1 75.8 113.6#

201 0.0 82.0 123.0#

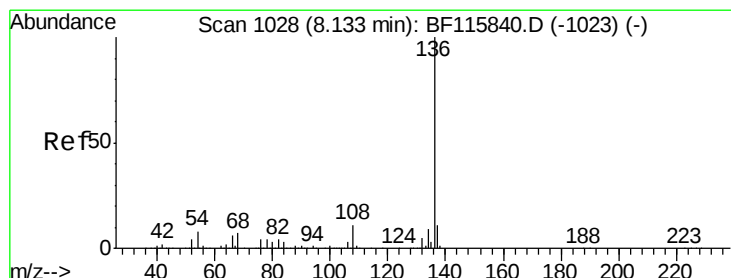
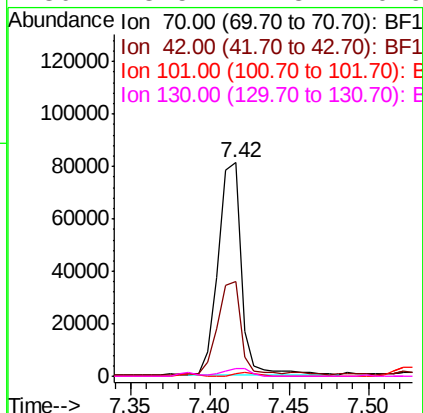
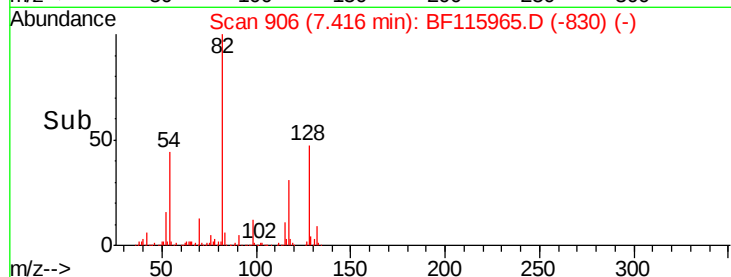
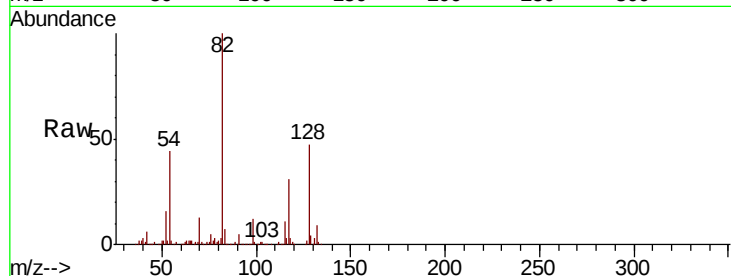




#19
n-Nitroso-di-n-propylamine
Concen: 17.075 ng
RT: 7.42 min Scan# 906
Delta R.T. 0.15 min
Lab File: BF115965.D
Acq: 2 Aug 2019 23:38

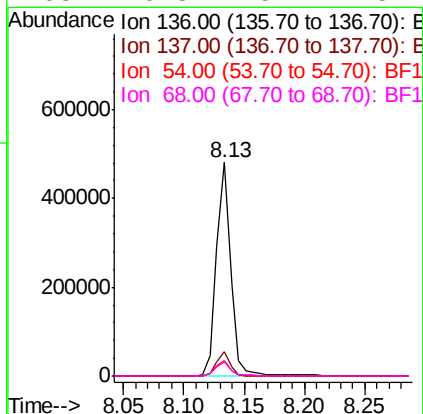
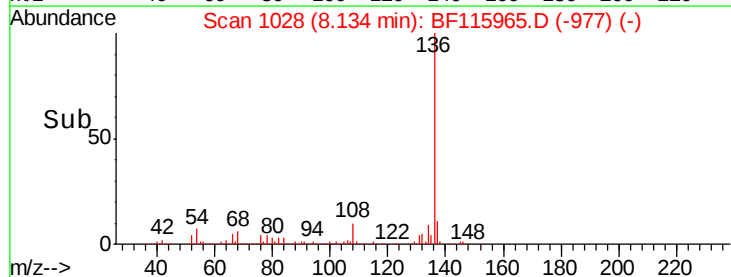
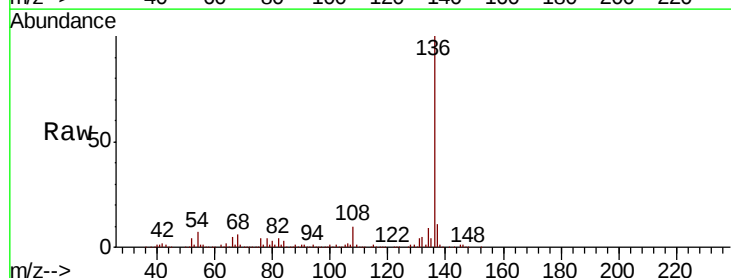
Instrument :
BNA_F
ClientSampleId :
OWL-C4-GW

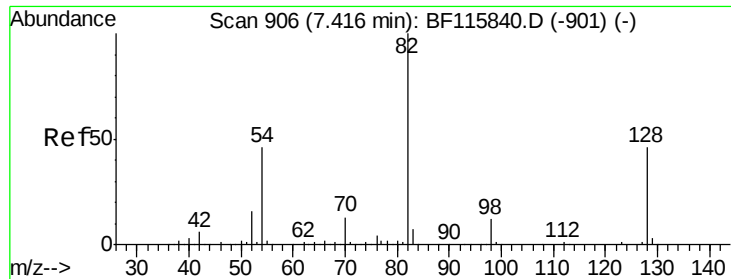
Tgt Ion:	70	Resp:	84028
Ion	Ratio	Lower	Upper
70	100		
42	44.6	41.8	62.8
101	1.2	7.7	11.5#
130	3.5	17.8	26.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BF115965.D
Acq: 2 Aug 2019 23:38

Tgt Ion:	136	Resp:	392631
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	7.0	6.1	9.1
68	6.3	5.4	8.2

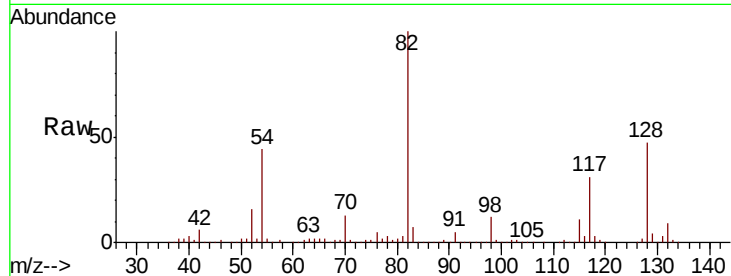




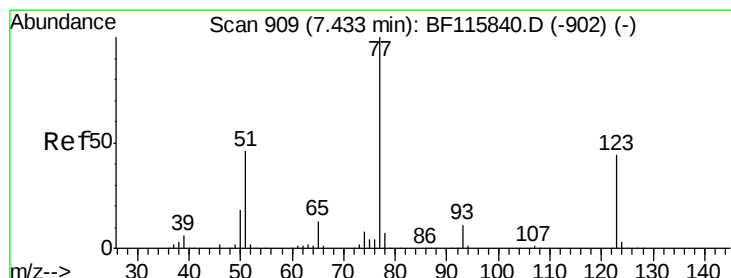
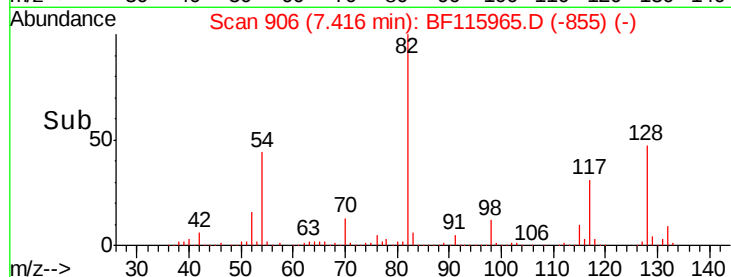
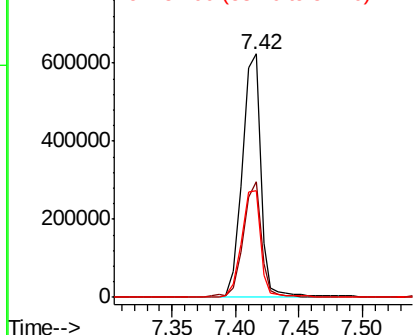
#23
 Nitrobenzene-d5
 Concen: 92.738 ng
 RT: 7.42 min Scan# 906
 Delta R.T. 0.00 min
 Lab File: BF115965.D
 Acq: 2 Aug 2019 23:38

Instrument :
 BNA_F
 ClientSampleId :
 OWL-C4-GW

Tgt Ion	Ratio	Lower	Upper
82	100		
128	47.4	36.6	55.0
54	43.8	36.6	55.0

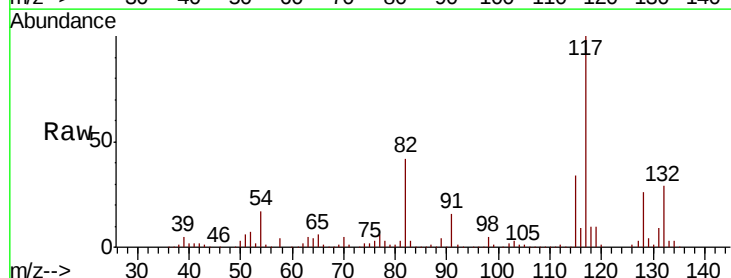


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1

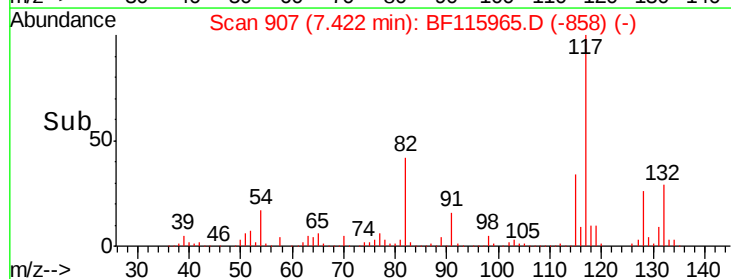
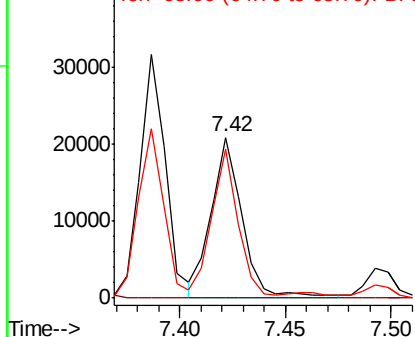


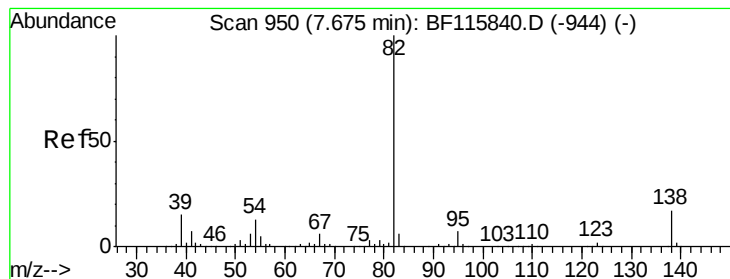
#24
 Nitrobenzene
 Concen: 2.915 ng
 RT: 7.42 min Scan# 907
 Delta R.T. -0.01 min
 Lab File: BF115965.D
 Acq: 2 Aug 2019 23:38

Tgt Ion	Ratio	Lower	Upper
77	100		
123	0.0	35.5	53.3#
65	92.6	10.6	15.8#



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





#25

Isophorone

Concen: 48.479 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF115965.D

Acq: 2 Aug 2019 23:38

Instrument :

BNA_F

ClientSampleId :

OWL-C4-GW

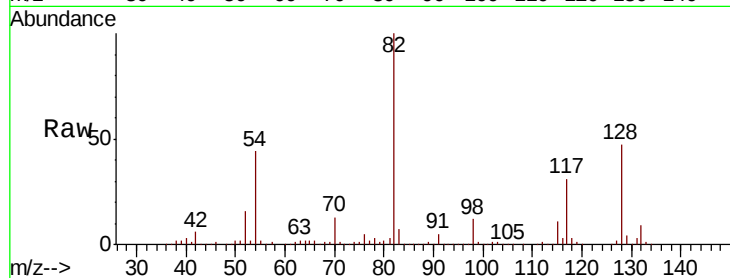
Tgt Ion: 82 Resp: 630533

Ion Ratio Lower Upper

82 100

95 0.1 5.5 8.3#

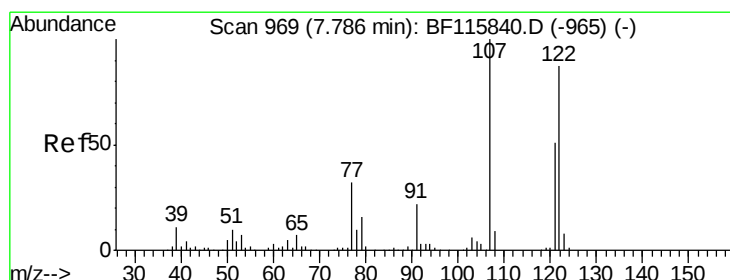
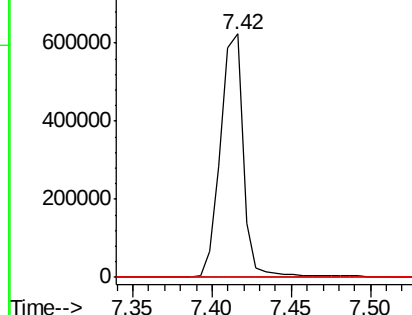
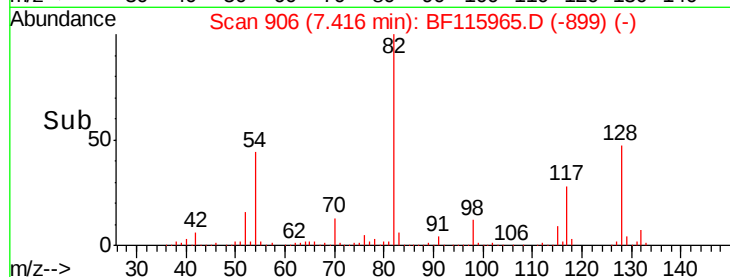
138 0.0 13.9 20.9#



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



#27

2,4-Dimethylphenol

Concen: 7.240 ng

RT: 7.90 min Scan# 988

Delta R.T. 0.11 min

Lab File: BF115965.D

Acq: 2 Aug 2019 23:38

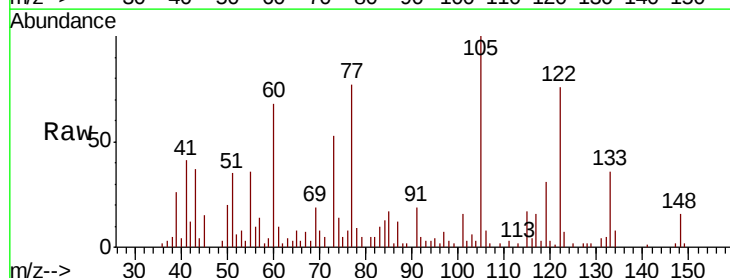
Tgt Ion: 122 Resp: 37710

Ion Ratio Lower Upper

122 100

107 2.5 91.7 137.5#

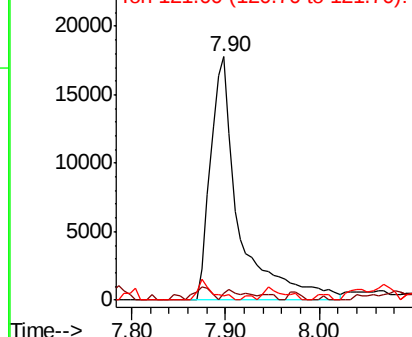
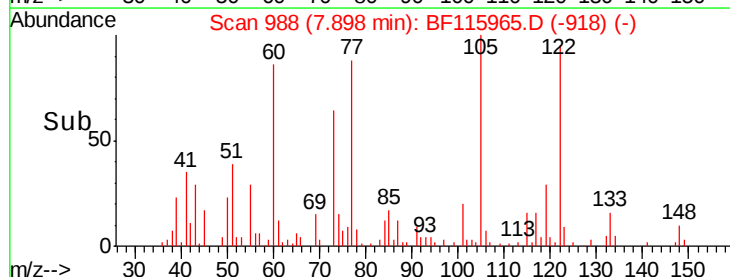
121 1.9 46.6 70.0#

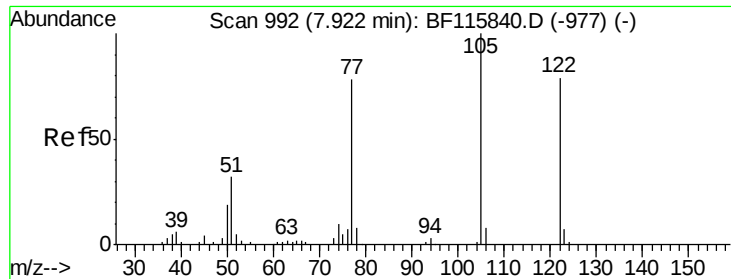


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

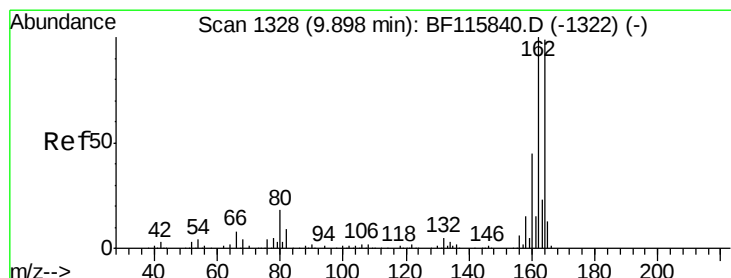
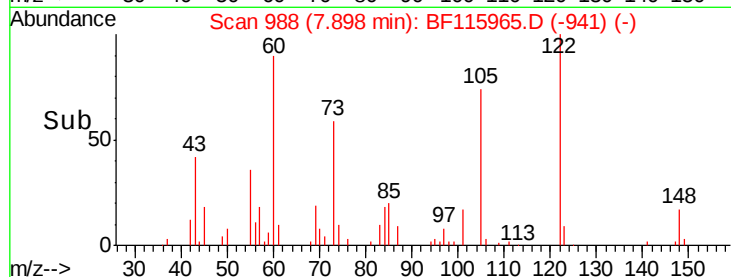
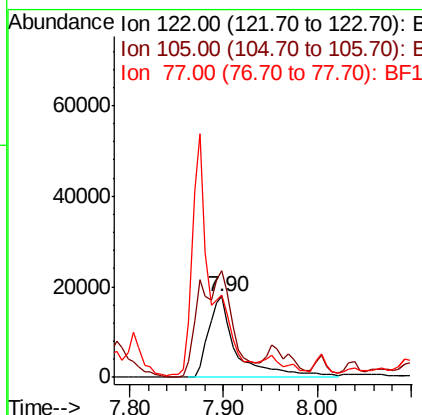
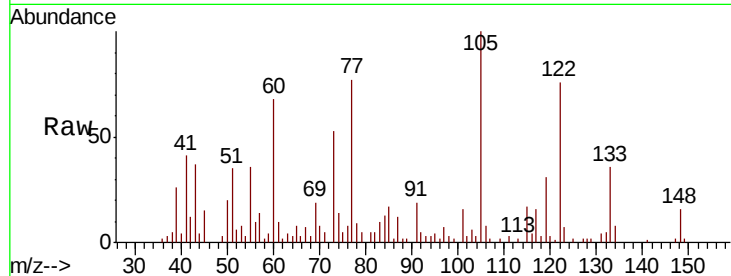




#32
Benzoic acid
Concen: 10.269 ng
RT: 7.90 min Scan# 988
Delta R.T. -0.02 min
Lab File: BF115965.D
Acq: 2 Aug 2019 23:38

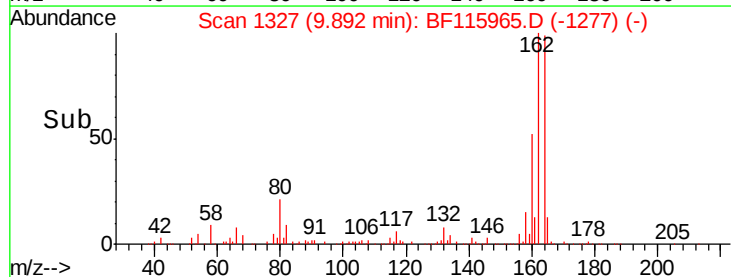
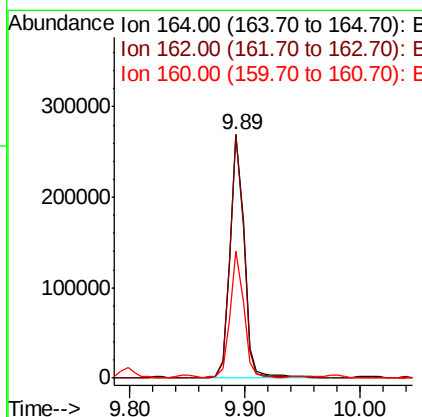
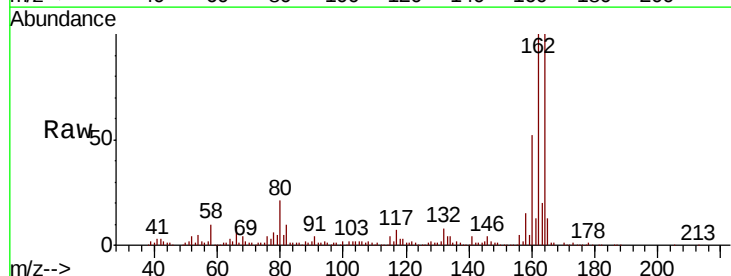
Instrument :
BNA_F
ClientSampleId :
OWL-C4-GW

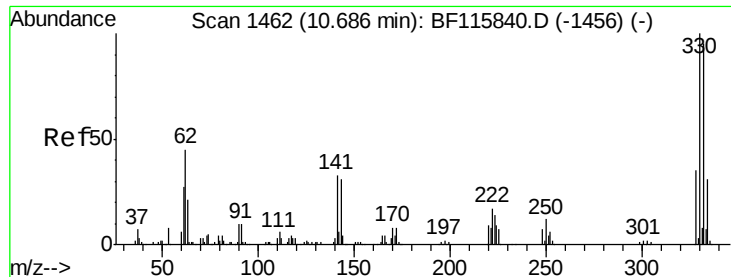
Tgt Ion:122 Resp: 37710
Ion Ratio Lower Upper
122 100
105 132.0 103.1 143.1
77 101.5 76.8 116.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF115965.D
Acq: 2 Aug 2019 23:38

Tgt Ion:164 Resp: 226854
Ion Ratio Lower Upper
164 100
162 100.1 80.8 121.2
160 52.0 36.2 54.4

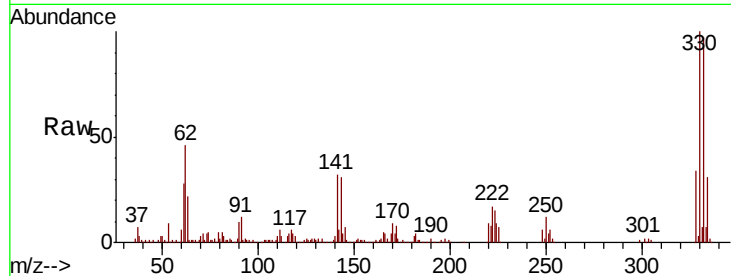




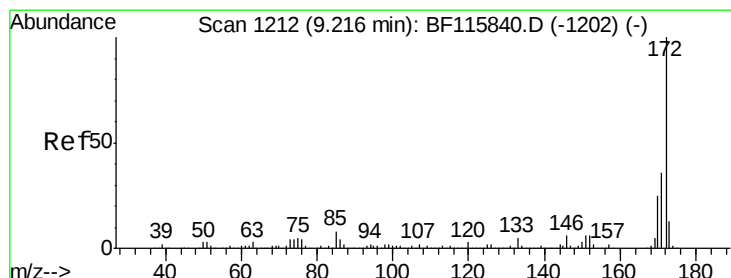
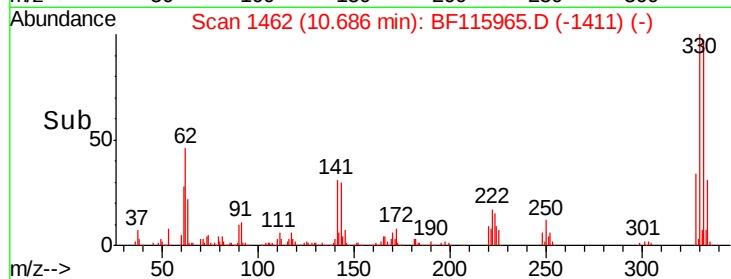
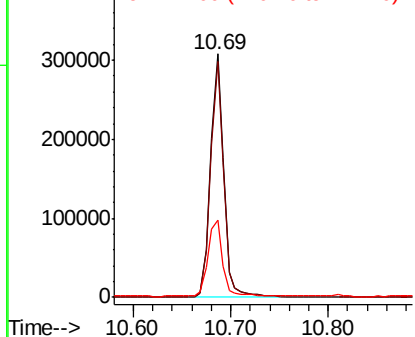
#42
 2,4,6-Tribromophenol
 Concen: 133.878 ng
 RT: 10.69 min Scan# 1462
 Delta R.T. 0.00 min
 Lab File: BF115965.D
 Acq: 2 Aug 2019 23:38

Instrument :
 BNA_F
 ClientSampleId :
 OWL-C4-GW

Tgt Ion:330 Resp: 294454
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.7 116.5
 141 34.7 28.1 42.1

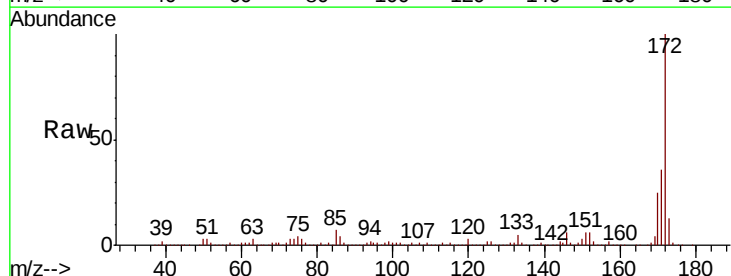


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

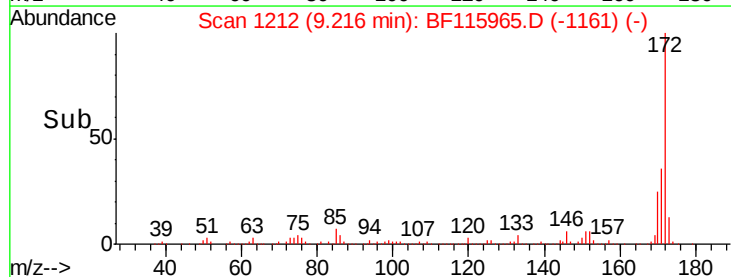
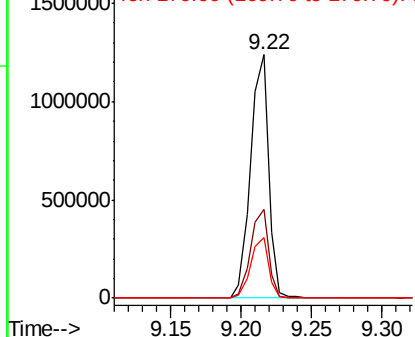


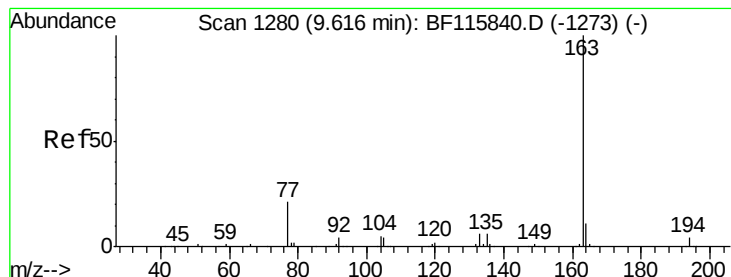
#45
 2-Fluorobiphenyl
 Concen: 92.840 ng
 RT: 9.22 min Scan# 1212
 Delta R.T. 0.00 min
 Lab File: BF115965.D
 Acq: 2 Aug 2019 23:38

Tgt Ion:172 Resp: 1124415
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.1 43.7
 170 24.7 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





#50

Dimethylphthalate

Concen: 7.718 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.01 min

Lab File: BF115965.D

Acq: 2 Aug 2019 23:38

Instrument :

BNA_F

ClientSampleId :

OWL-C4-GW

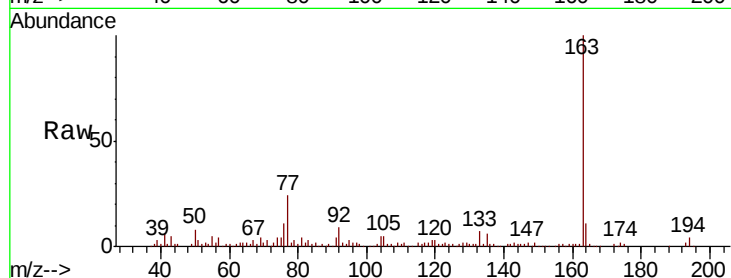
Tgt Ion:163 Resp: 119210

Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

164 11.3 8.4 12.6

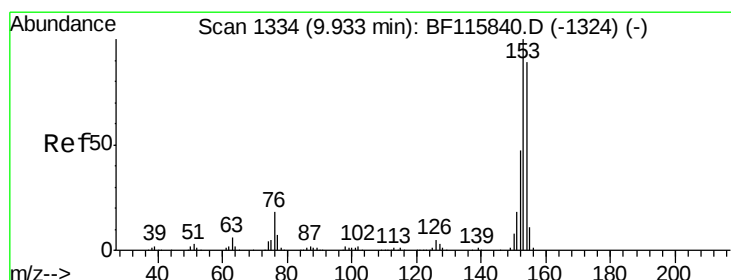
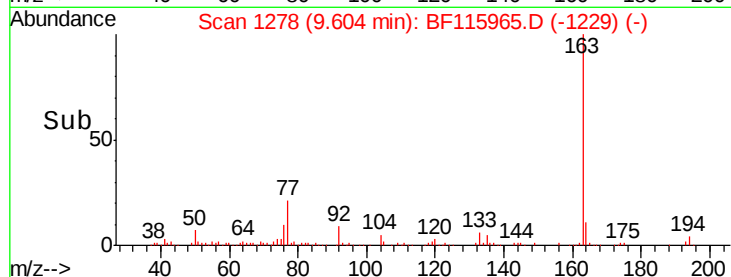
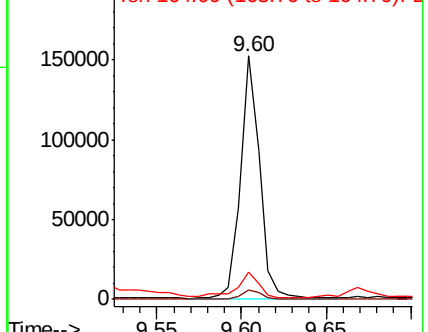


Abundance

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



#52

Acenaphthene

Concen: 5.530 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF115965.D

Acq: 2 Aug 2019 23:38

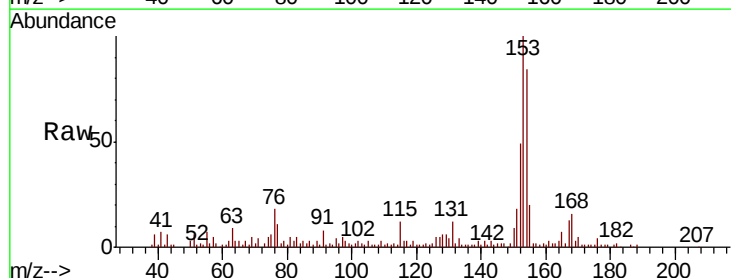
Tgt Ion:154 Resp: 65976

Ion Ratio Lower Upper

154 100

153 119.2 90.1 135.1

152 58.5 42.6 63.8

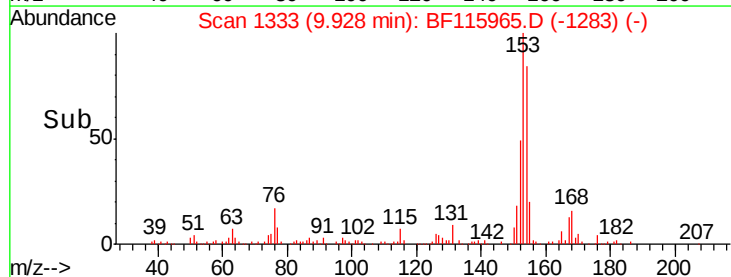
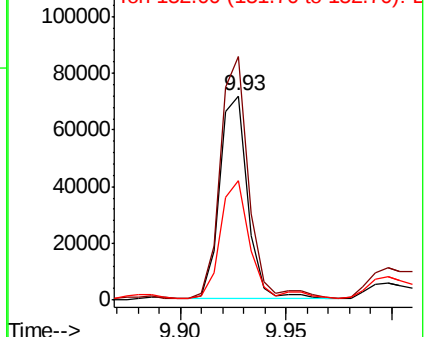


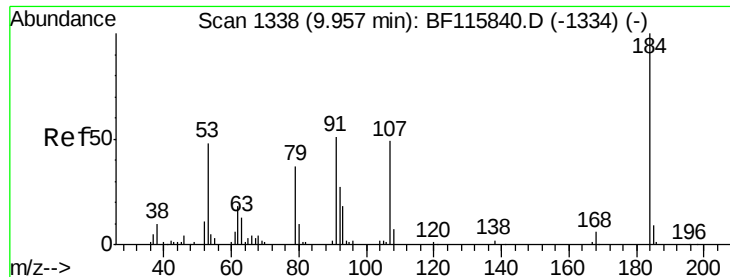
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#54

2,4-Dinitrophenol

Concen: 8.031 ng

RT: 10.04 min Scan# 1352

Delta R.T. 0.08 min

Lab File: BF115965.D

Acq: 2 Aug 2019 23:38

Instrument :

BNA_F

ClientSampleId :

OWL-C4-GW

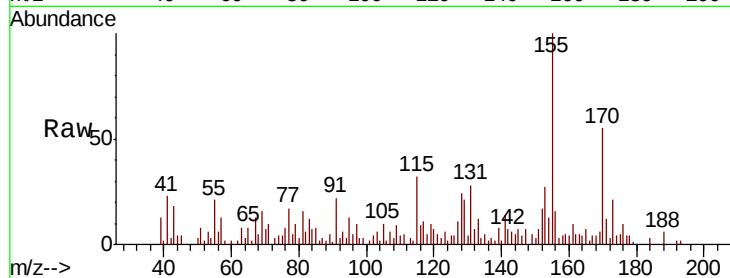
Tgt Ion:184 Resp: 414

Ion Ratio Lower Upper

184 100

63 297.7 56.7 85.1#

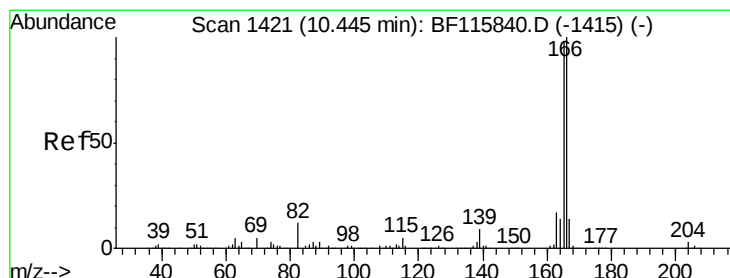
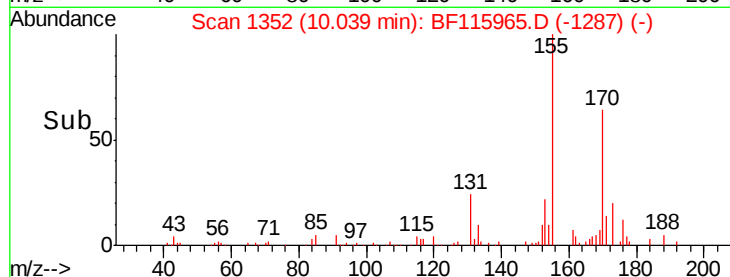
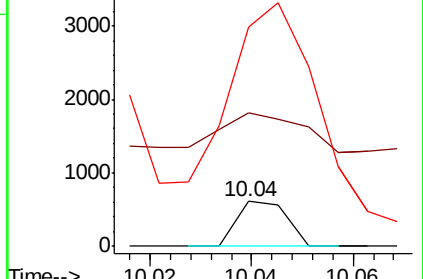
154 487.4 51.9 77.9#



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



#58

Fluorene

Concen: 7.911 ng

RT: 10.44 min Scan# 1420

Delta R.T. -0.01 min

Lab File: BF115965.D

Acq: 2 Aug 2019 23:38

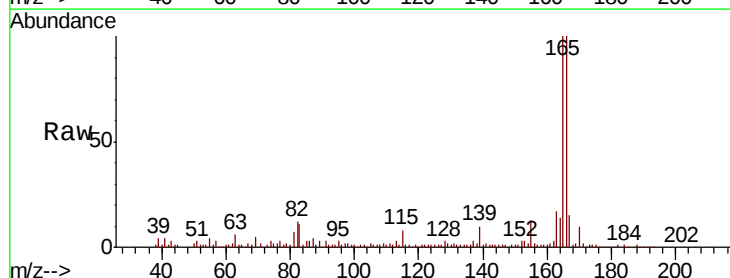
Tgt Ion:166 Resp: 105605

Ion Ratio Lower Upper

166 100

165 100.4 78.6 118.0

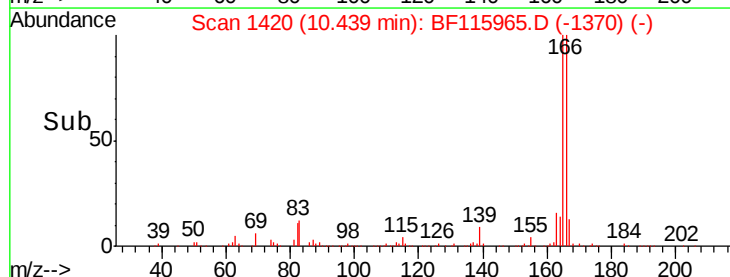
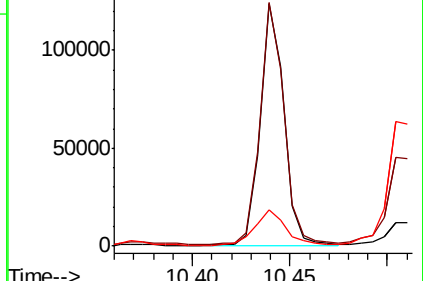
167 14.8 10.9 16.3

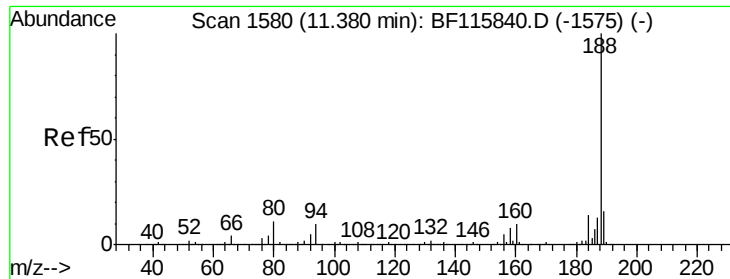


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

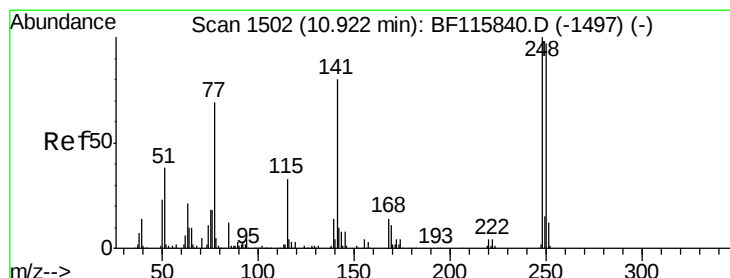
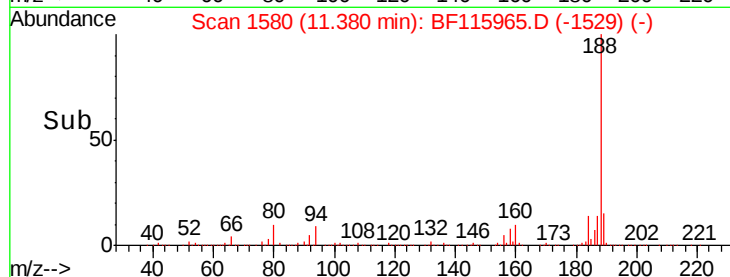
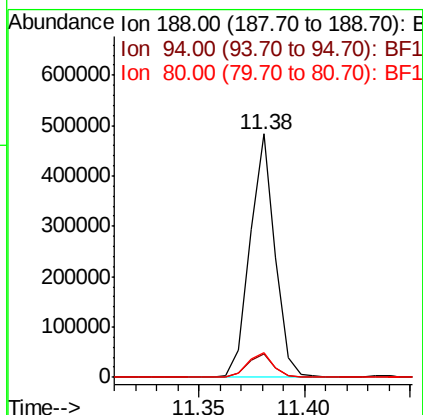
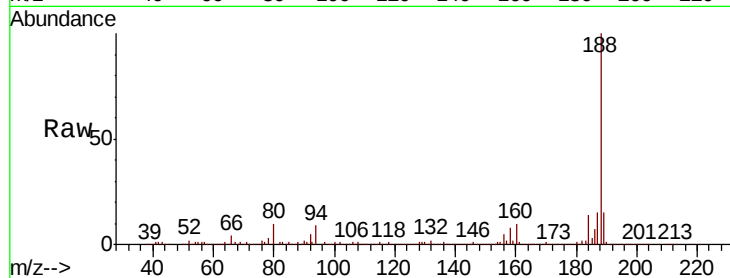




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. 0.00 min
Lab File: BF115965.D
Acq: 2 Aug 2019 23:38

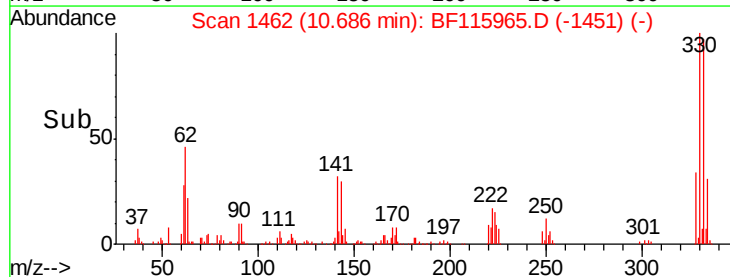
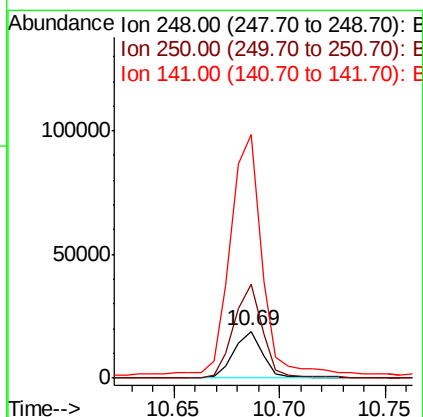
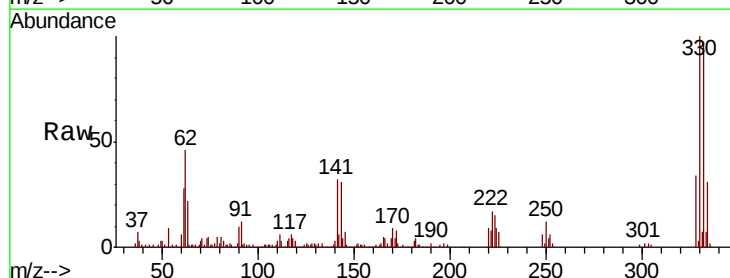
Instrument :
BNA_F
ClientSampleId :
OWL-C4-GW

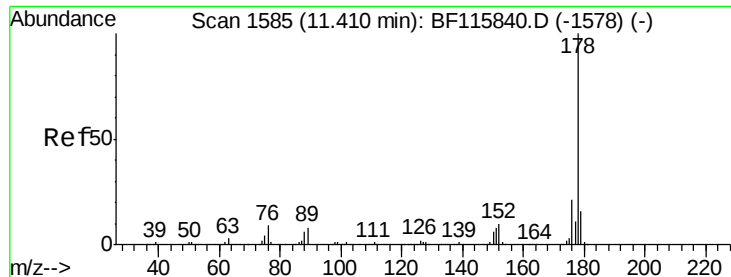
Tgt Ion:188 Resp: 397201
Ion Ratio Lower Upper
188 100
94 9.4 8.0 12.0
80 10.3 8.6 12.8



#67
4-Bromophenyl-phenylether
Concen: 4.188 ng
RT: 10.69 min Scan# 1462
Delta R.T. -0.24 min
Lab File: BF115965.D
Acq: 2 Aug 2019 23:38

Tgt Ion:248 Resp: 17806
Ion Ratio Lower Upper
248 100
250 199.6 77.8 116.6#
141 519.8 64.3 96.5#

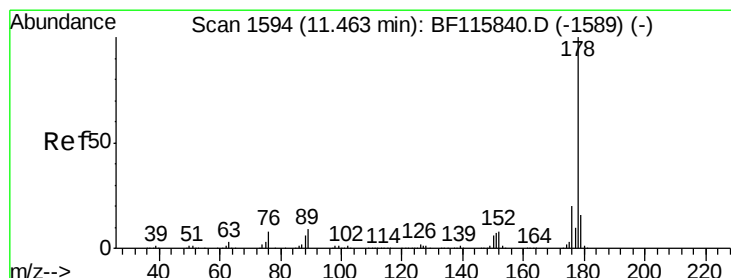
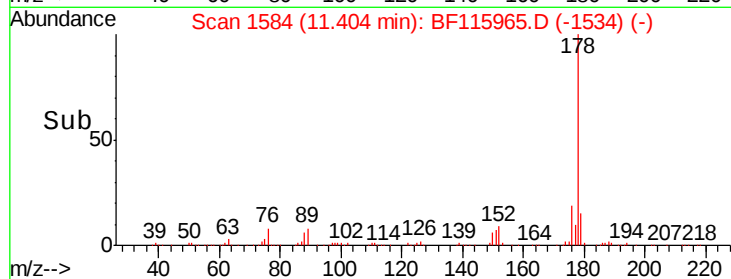
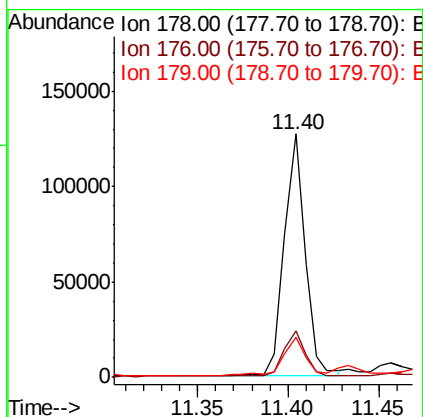
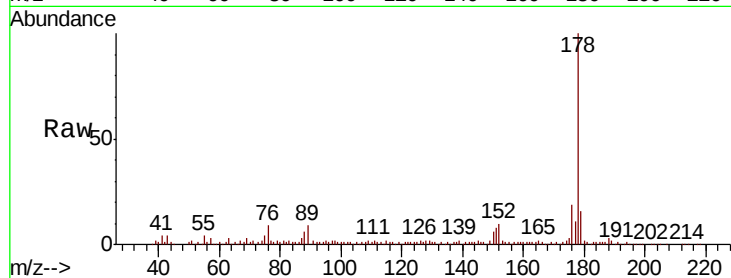




#71
Phenanthrene
Concen: 5.055 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF115965.D
Acq: 2 Aug 2019 23:38

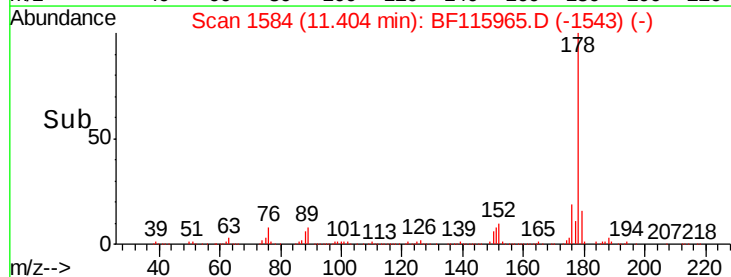
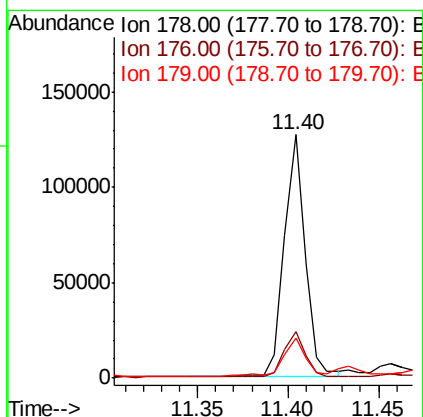
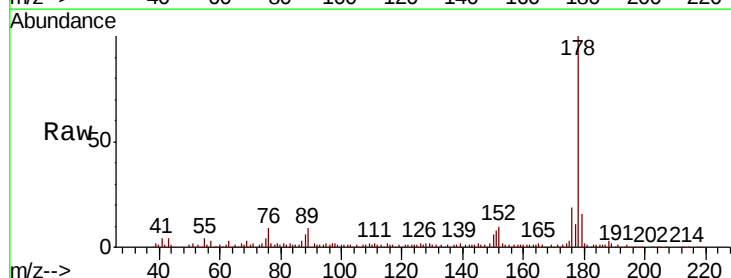
Instrument :
BNA_F
ClientSampleId :
OWL-C4-GW

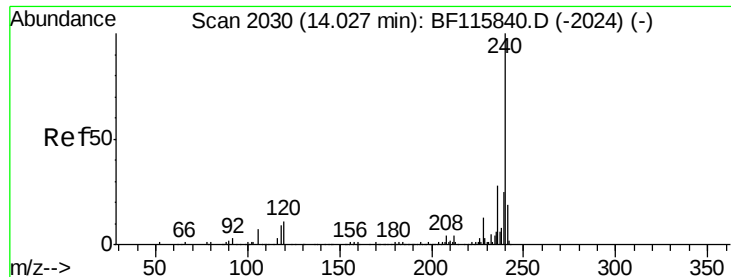
Tgt Ion:178 Resp: 102643
Ion Ratio Lower Upper
178 100
176 19.3 16.5 24.7
179 16.3 12.6 18.8



#72
Anthracene
Concen: 4.995 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.06 min
Lab File: BF115965.D
Acq: 2 Aug 2019 23:38

Tgt Ion:178 Resp: 102643
Ion Ratio Lower Upper
178 100
176 19.3 15.7 23.5
179 16.3 12.4 18.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF115965.D

Acq: 2 Aug 2019 23:38

Instrument :

BNA_F

ClientSampleId :

OWL-C4-GW

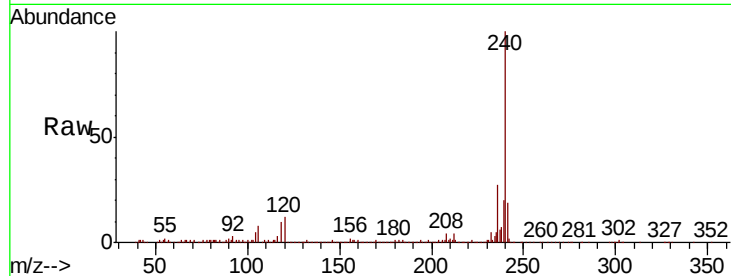
Tgt Ion:240 Resp: 279588

Ion Ratio Lower Upper

240 100

120 11.8 8.5 12.7

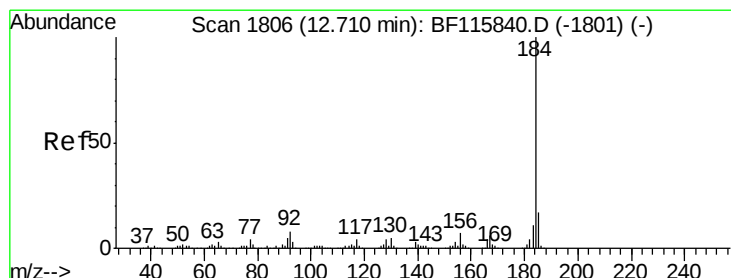
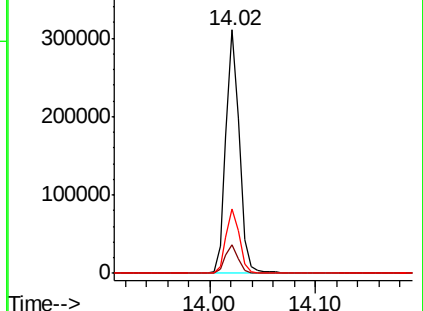
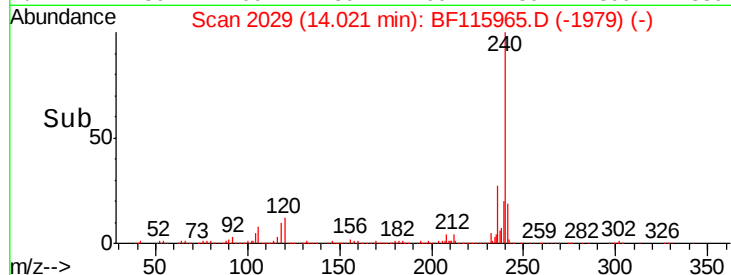
236 26.6 22.2 33.2



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: 2.013 ng

RT: 12.97 min Scan# 1850

Delta R.T. 0.26 min

Lab File: BF115965.D

Acq: 2 Aug 2019 23:38

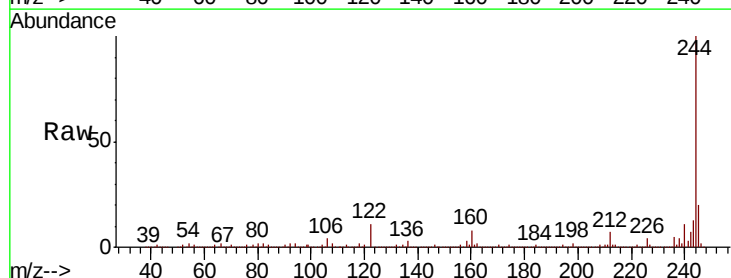
Tgt Ion:184 Resp: 19013

Ion Ratio Lower Upper

184 100

185 19.7 13.4 20.2

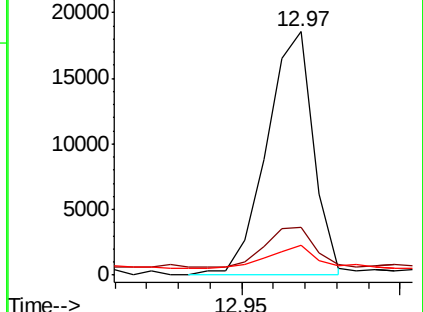
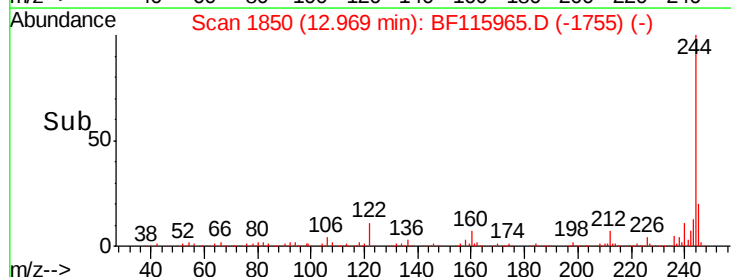
183 12.1 9.1 13.7

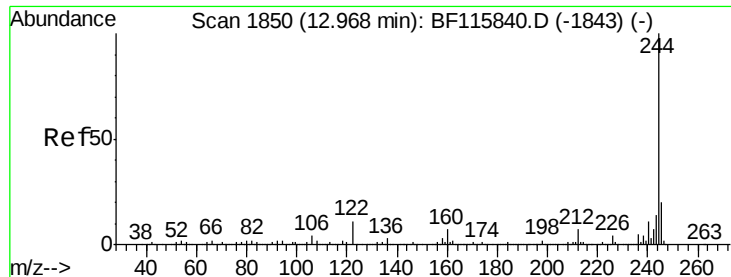


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

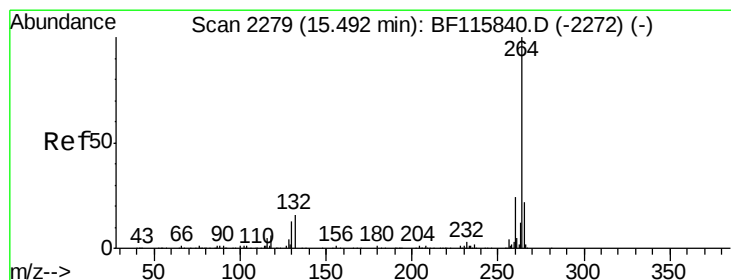
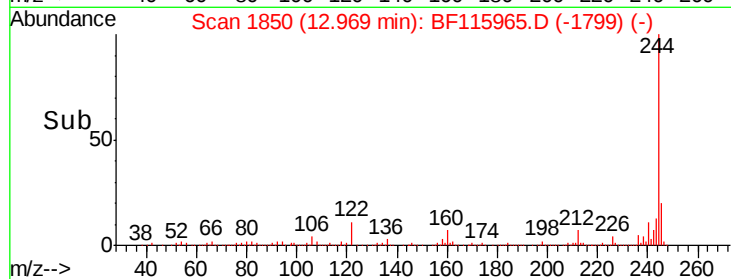
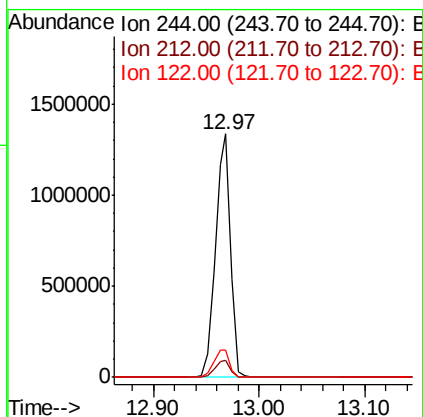
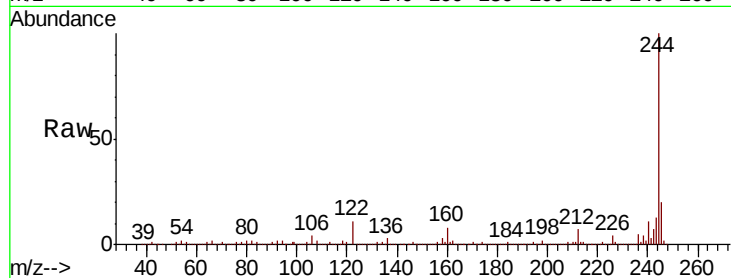




#79
 Terphenyl-d14
 Concen: 101.687 ng
 RT: 12.97 min Scan# 1850
 Delta R.T. 0.00 min
 Lab File: BF115965.D
 Acq: 2 Aug 2019 23:38

Instrument :
 BNA_F
 ClientSampleId :
 OWL-C4-GW

Tgt Ion:244 Resp: 1349223
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.6 8.4
 122 11.4 8.6 13.0



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.50 min Scan# 2280
 Delta R.T. 0.01 min
 Lab File: BF115965.D
 Acq: 2 Aug 2019 23:38

Tgt Ion:264 Resp: 319379
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.4 29.2
 265 21.4 17.5 26.3

