

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082415\
 Data File : BF081165.D
 Acq On : 24 Aug 2015 12:48
 Operator : UM/IZ
 Sample : G3083-12DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 8535DL

Quant Time: Aug 24 14:03:12 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 24 13:58:19 2015
 Response via : Initial Calibration

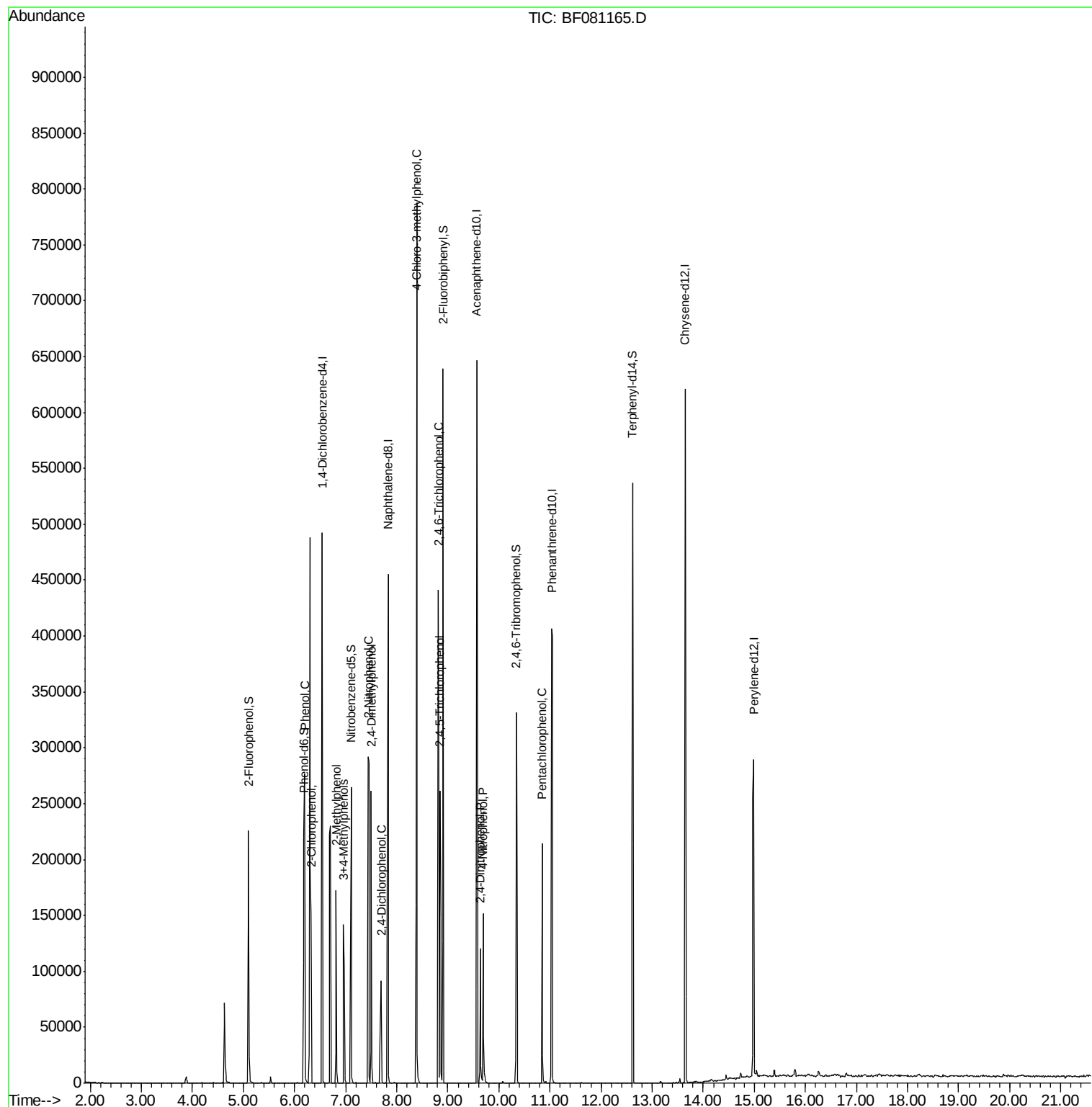
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.54	152	63127	20.00	ng	0.00
21) Naphthalene-d8	7.83	136	245171	20.00	ng	0.00
38) Acenaphthene-d10	9.57	164	116941	20.00	ng	-0.01
63) Phenanthrene-d10	11.04	188	225965	20.00	ng	0.00
75) Chrysene-d12	13.65	240	199187	20.00	ng	-0.01
86) Perylene-d12	14.99	264	144644	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.10	112	74783	17.82	ng	0.00
7) Phenol-d6	6.18	99	66010	12.05	ng	-0.01
23) Nitrobenzene-d5	7.11	82	97283	18.13	ng	-0.01
41) 2,4,6-Tribromophenol	10.34	330	26684	26.32	ng	-0.01
44) 2-Fluorobiphenyl	8.90	172	182921	20.50	ng	0.00
78) Terphenyl-d14	12.62	244	174763	18.81	ng	-0.01
Target Compounds						
8) 2-Chlorophenol	6.32	128	45140	9.83	ng	# 81
10) Phenol	6.20	94	82069	12.69	ng	# 64
17) 2-Methylphenol	6.81	107	27333	6.93	ng	# 91
20) 3+4-Methylphenols	6.96	107	46859	9.37	ng	# 45
26) 2-Nitrophenol	7.45	139	72402	31.02	ng	# 59
27) 2,4-Dimethylphenol	7.50	122	38713	9.38	ng	92
29) 2,4-Dichlorophenol	7.69	162	20171	5.80	ng	95
36) 4-Chloro-3-methylphenol	8.39	107	148653	35.88	ng	94
42) 2,4,6-Trichlorophenol	8.81	196	55505	20.82	ng	96
43) 2,4,5-Trichlorophenol	8.85	196	44162	16.58	ng	# 76
53) 2,4-Dinitrophenol	9.64	184	13542	16.16	ng	# 71
55) 4-Nitrophenol	9.69	139	20621	11.35	ng	# 86
69) Pentachlorophenol	10.85	266	20444	15.16	ng	99

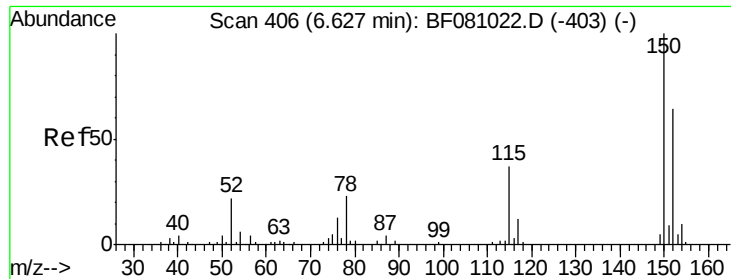
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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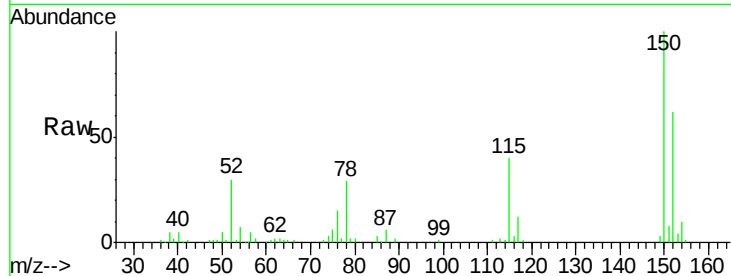


#1

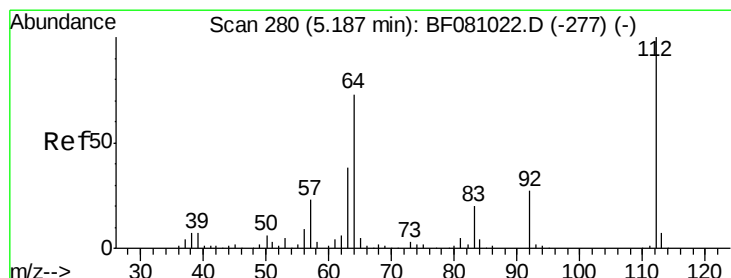
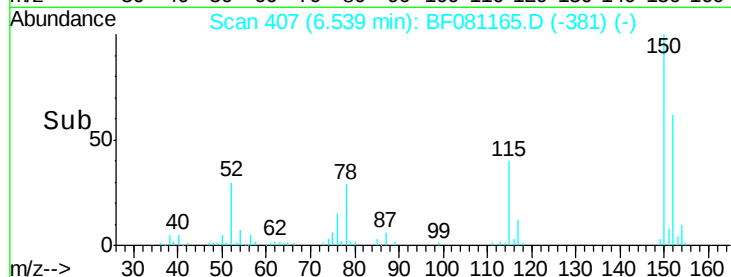
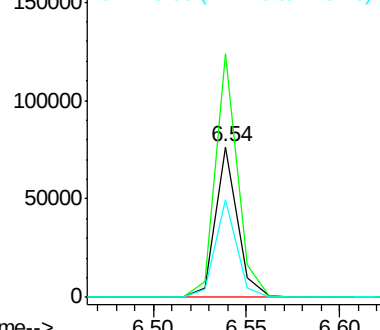
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.54 min Scan# 407
Delta R.T. 0.00 min
Lab File: BF081165.D
Acq: 24 Aug 2015 12:48

Instrument :
BNA_F
ClientSampleId :
8535DL

Tgt Ion:152 Resp: 63127
Ion Ratio Lower Upper
152 100
150 162.0 123.8 185.6
115 65.2 52.1 78.1



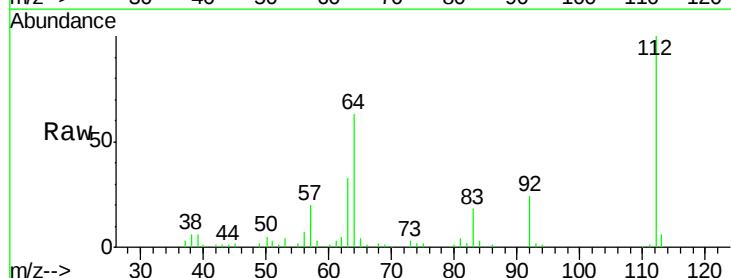
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



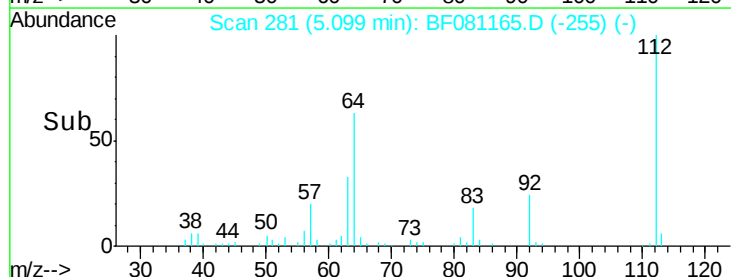
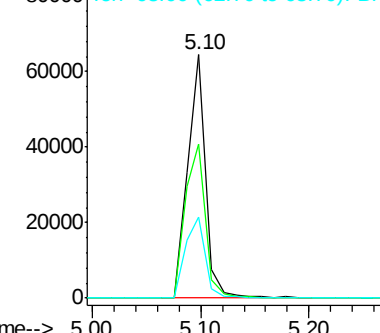
#5

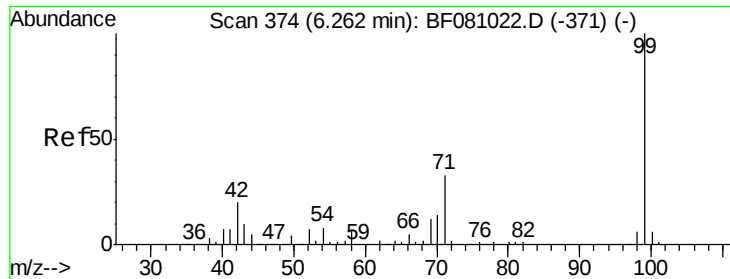
2-Fluorophenol
Concen: 17.82 ng
RT: 5.10 min Scan# 281
Delta R.T. 0.00 min
Lab File: BF081165.D
Acq: 24 Aug 2015 12:48

Tgt Ion:112 Resp: 74783
Ion Ratio Lower Upper
112 100
64 63.1 66.9 100.3#
63 33.1 38.1 57.1#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 12.05 ng

RT: 6.18 min Scan# 376

Delta R.T. -0.01 min

Lab File: BF081165.D

Acq: 24 Aug 2015 12:48

Instrument :

BNA_F

ClientSampleId :

8535DL

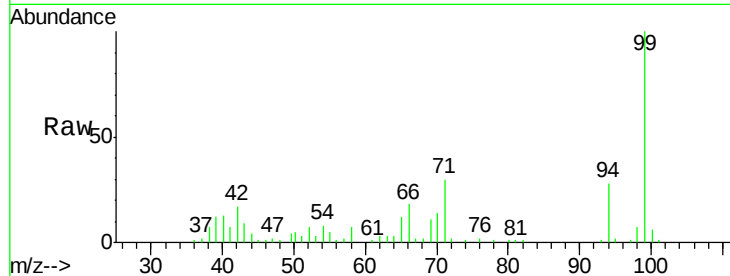
Tgt Ion: 99 Resp: 66010

Ion Ratio Lower Upper

99 100

42 17.0 19.6 29.4#

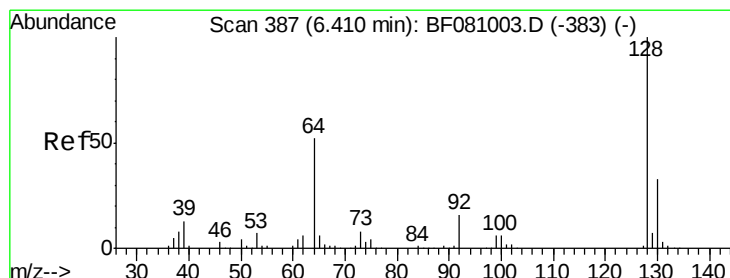
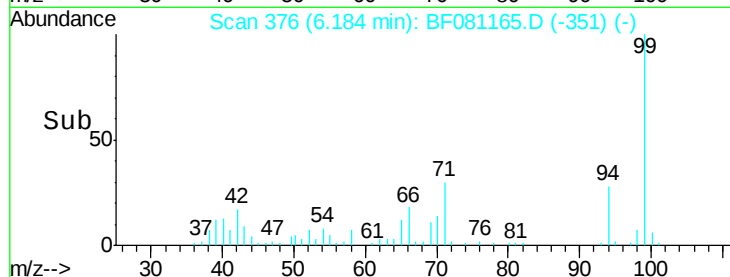
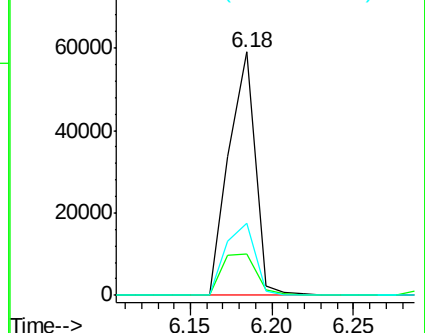
71 29.5 31.2 46.8#



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 9.83 ng

RT: 6.32 min Scan# 388

Delta R.T. 0.00 min

Lab File: BF081165.D

Acq: 24 Aug 2015 12:48

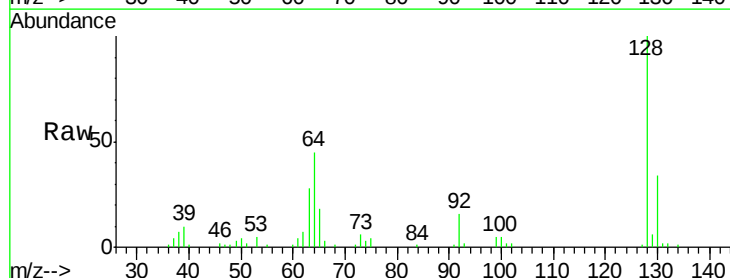
Tgt Ion: 128 Resp: 45140

Ion Ratio Lower Upper

128 100

130 33.5 12.5 52.5

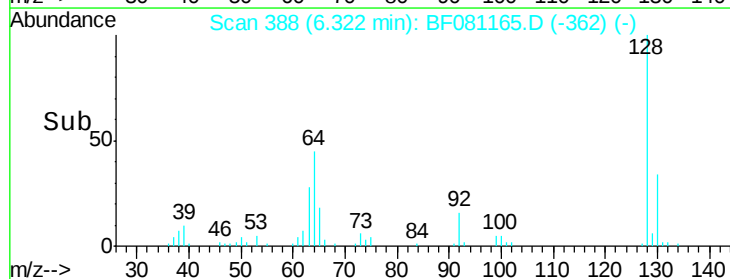
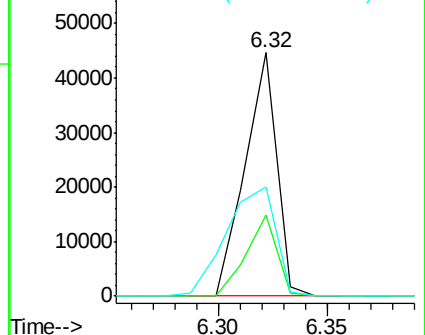
64 45.1 46.8 86.8#

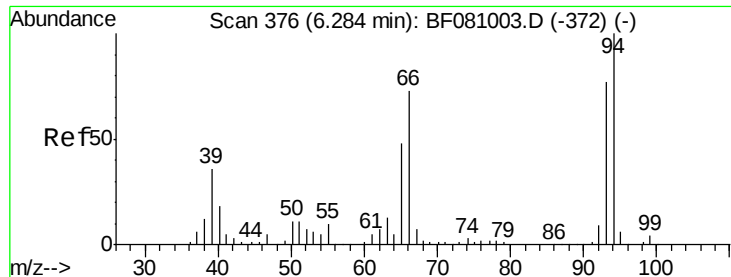


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#10

Phenol

Concen: 12.69 ng

RT: 6.20 min Scan# 377

Delta R.T. -0.01 min

Lab File: BF081165.D

Acq: 24 Aug 2015 12:48

Instrument :

BNA_F

ClientSampleId :

8535DL

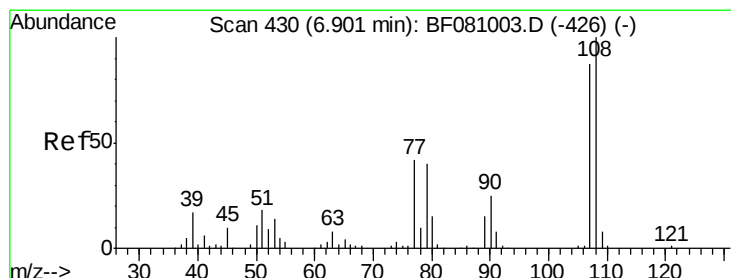
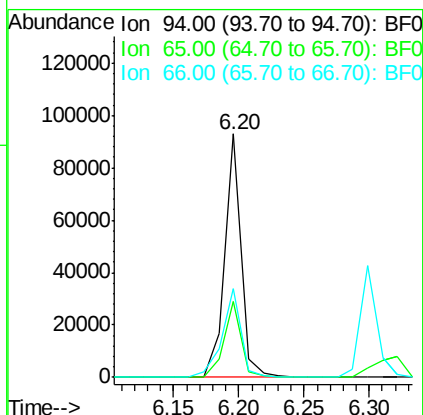
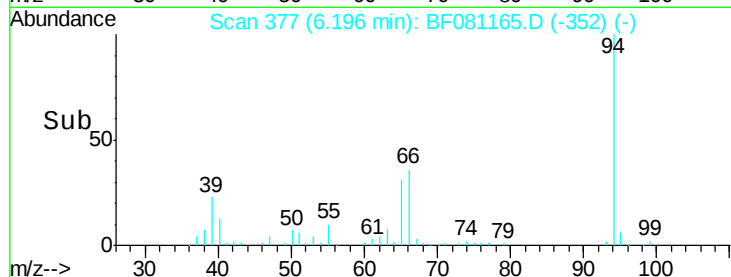
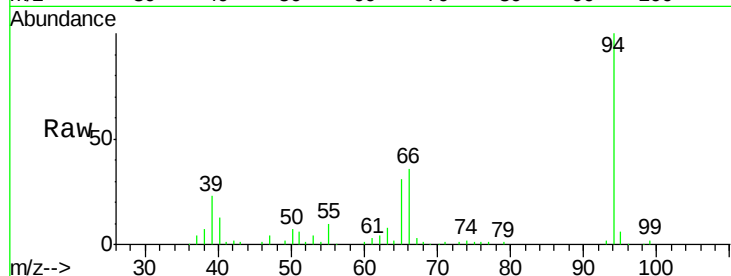
Tgt Ion: 94 Resp: 82069

Ion Ratio Lower Upper

94 100

65 31.3 28.4 68.4

66 36.4 52.3 92.3#



#17

2-Methylphenol

Concen: 6.93 ng

RT: 6.81 min Scan# 431

Delta R.T. -0.01 min

Lab File: BF081165.D

Acq: 24 Aug 2015 12:48

Tgt Ion: 107 Resp: 27333

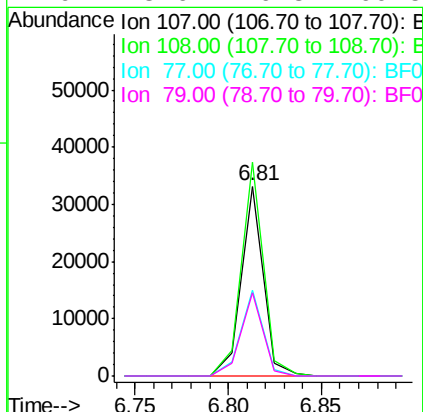
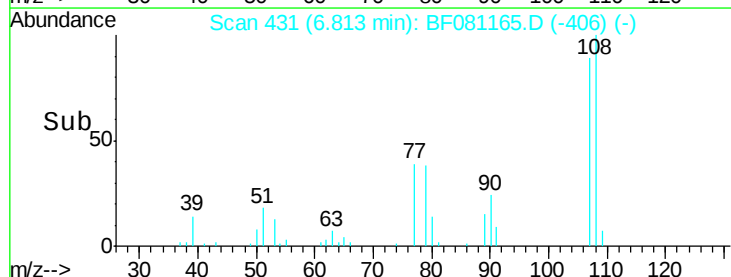
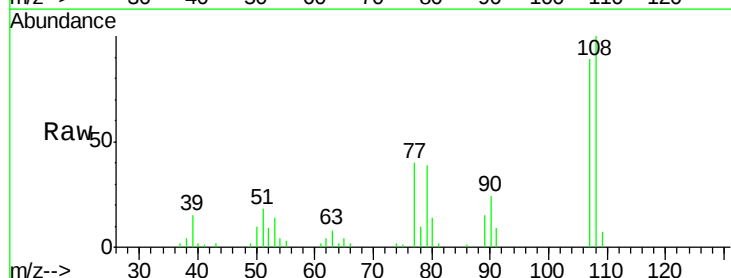
Ion Ratio Lower Upper

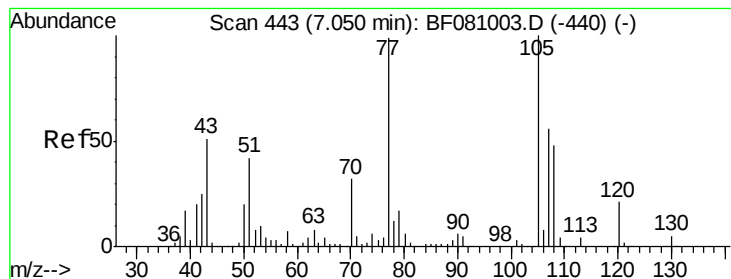
107 100

108 112.7 90.4 135.6

77 45.4 46.5 69.7#

79 43.6 46.3 69.5#





#20

3+4-Methylphenols

Concen: 9.37 ng

RT: 6.96 min Scan# 444

Delta R.T. -0.02 min

Lab File: BF081165.D

Acq: 24 Aug 2015 12:48

Instrument :

BNA_F

ClientSampleId :

8535DL

Tgt Ion:107 Resp: 46859

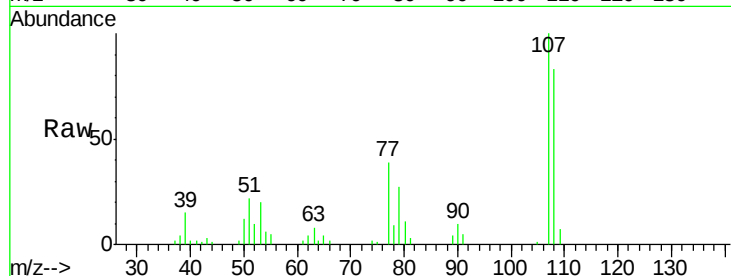
Ion Ratio Lower Upper

107 100

108 82.7 66.1 106.1

77 38.9 139.3 179.3#

79 27.0 11.9 51.9

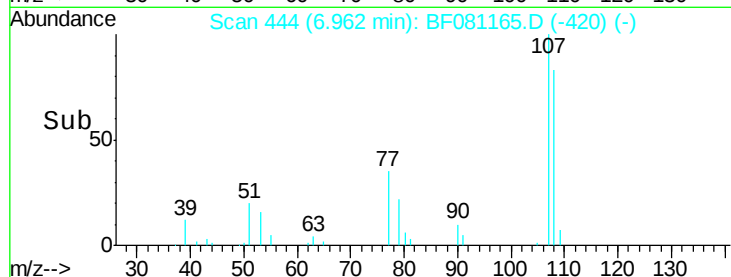


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

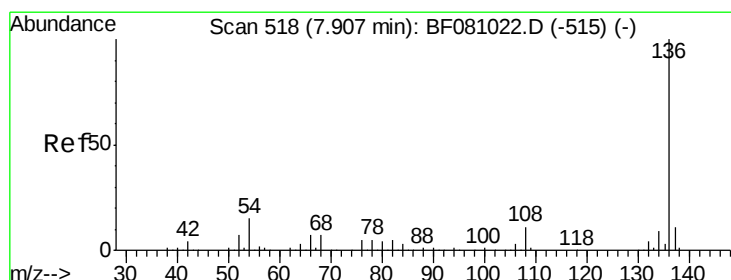
Ion 79.00 (78.70 to 79.70): BF0



Abundance

6.96

Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.83 min Scan# 520

Delta R.T. 0.00 min

Lab File: BF081165.D

Acq: 24 Aug 2015 12:48

Tgt Ion:136 Resp: 245171

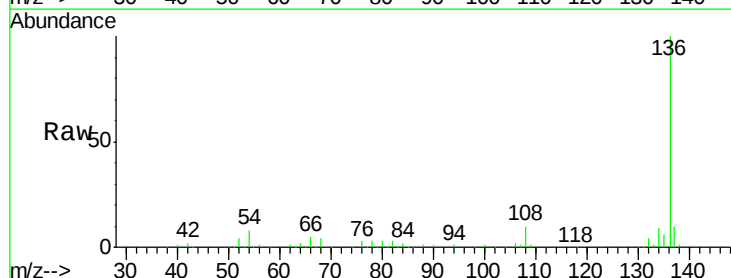
Ion Ratio Lower Upper

136 100

137 10.3 8.2 12.2

54 8.4 7.7 11.5

68 4.5 3.4 5.2

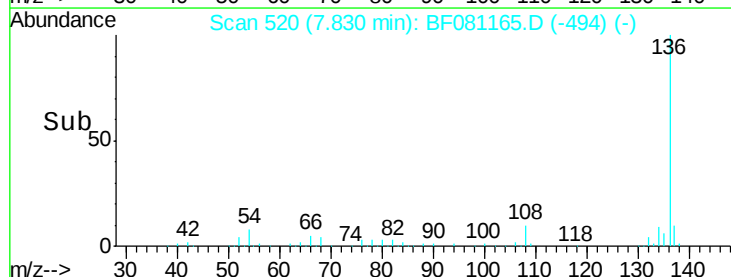


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

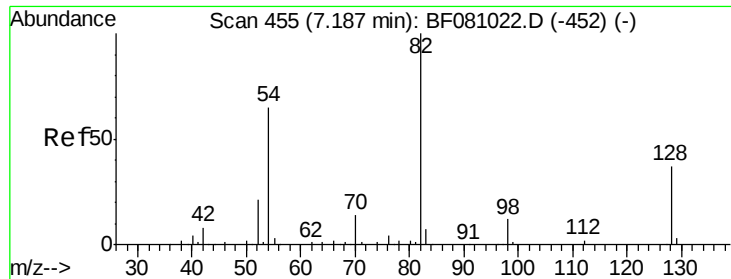
Ion 68.00 (67.70 to 68.70): BF0



Abundance

7.83

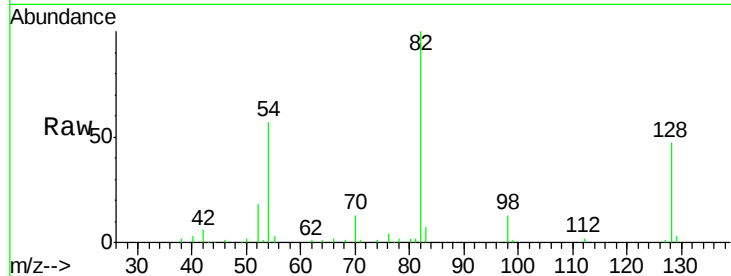
Time-->



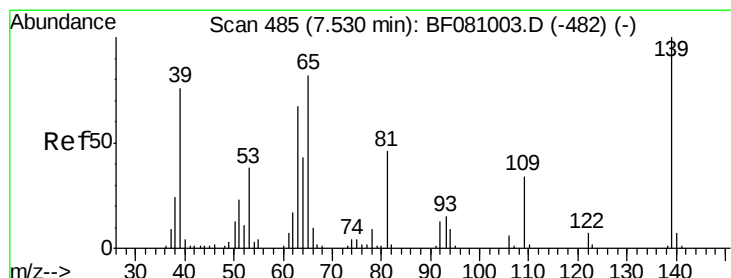
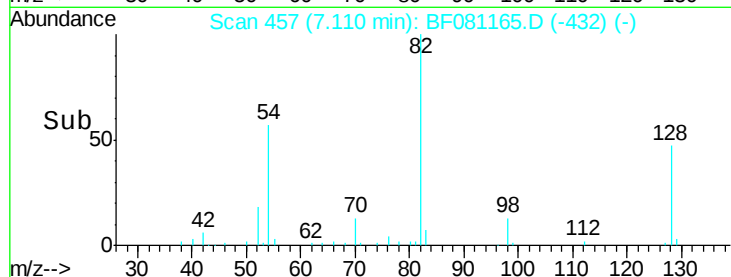
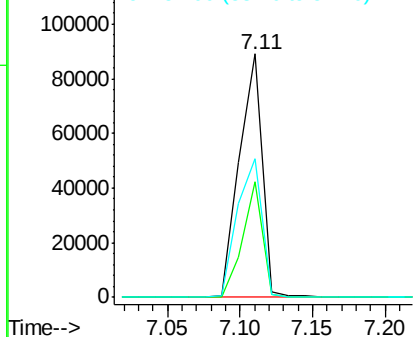
#23
Nitrobenzene-d5
Concen: 18.13 ng
RT: 7.11 min Scan# 457
Delta R.T. -0.01 min
Lab File: BF081165.D
Acq: 24 Aug 2015 12:48

Instrument :
BNA_F
ClientSampleId :
8535DL

Tgt Ion: 82 Resp: 97283
Ion Ratio Lower Upper
82 100
128 47.4 28.6 42.8#
54 57.2 55.1 82.7

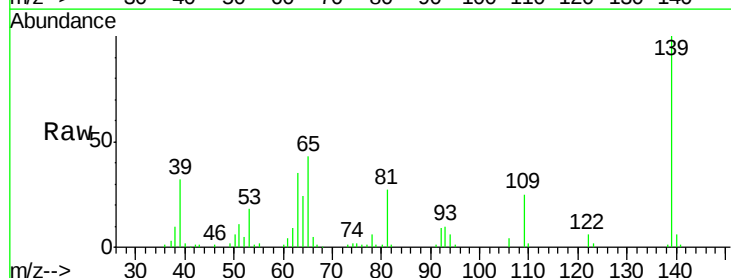


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

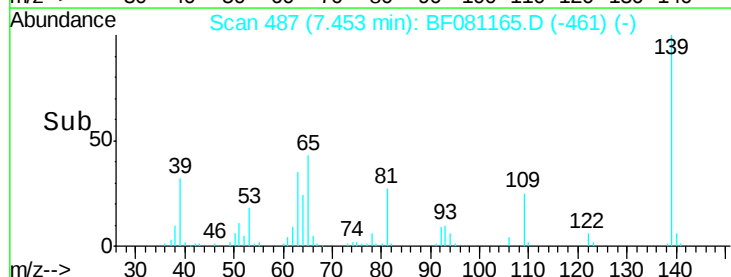
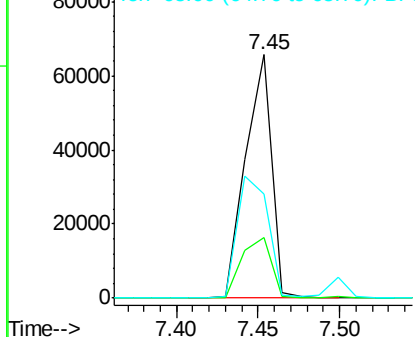


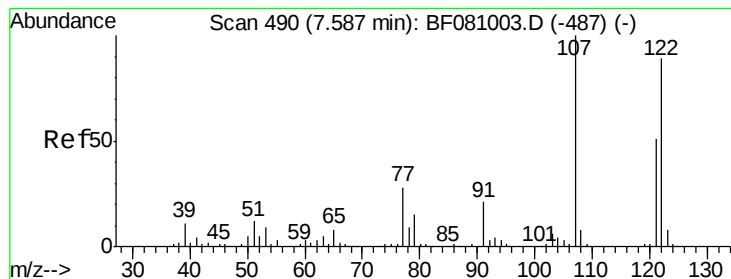
#26
2-Nitrophenol
Concen: 31.02 ng
RT: 7.45 min Scan# 487
Delta R.T. 0.00 min
Lab File: BF081165.D
Acq: 24 Aug 2015 12:48

Tgt Ion: 139 Resp: 72402
Ion Ratio Lower Upper
139 100
109 25.1 32.1 48.1#
65 42.8 69.9 104.9#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0





#27

2,4-Dimethylphenol

Concen: 9.38 ng

RT: 7.50 min Scan# 491

Delta R.T. -0.01 min

Lab File: BF081165.D

Acq: 24 Aug 2015 12:48

Instrument :

BNA_F

ClientSampleId :

8535DL

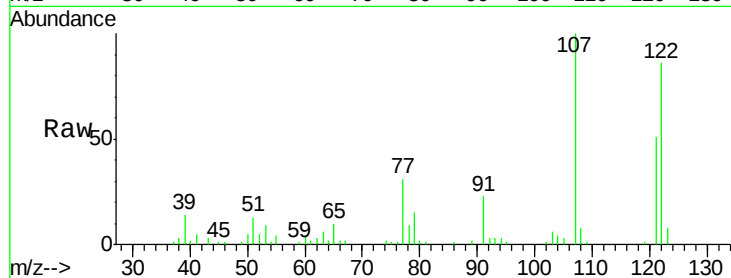
Tgt Ion:122 Resp: 38713

Ion Ratio Lower Upper

122 100

107 116.6 103.8 155.6

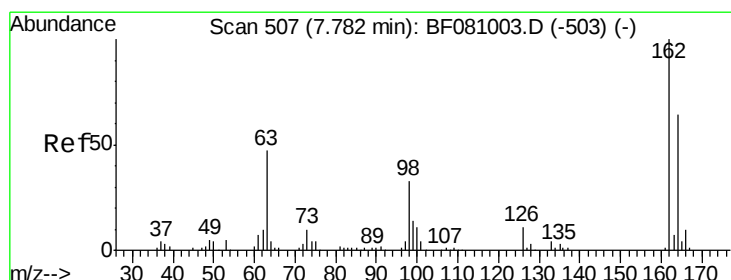
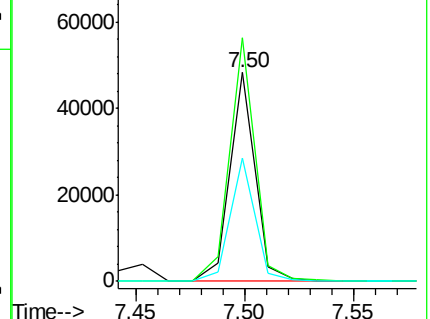
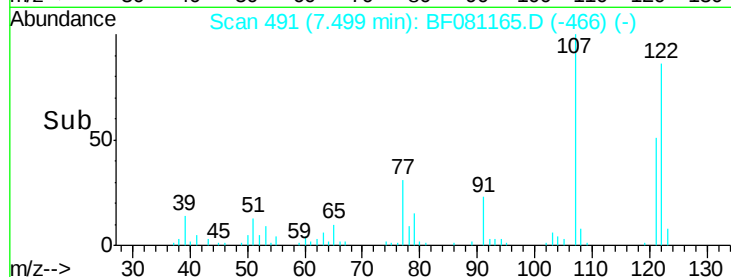
121 58.9 47.0 70.4



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



#29

2,4-Dichlorophenol

Concen: 5.80 ng

RT: 7.69 min Scan# 508

Delta R.T. 0.00 min

Lab File: BF081165.D

Acq: 24 Aug 2015 12:48

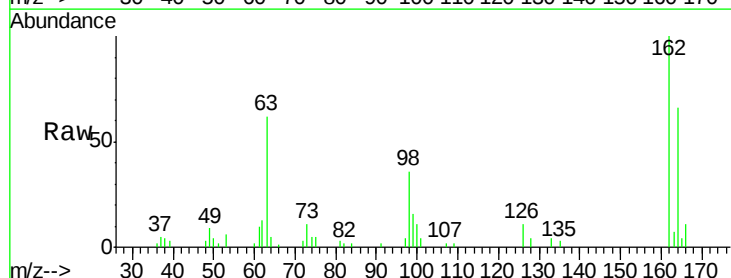
Tgt Ion:162 Resp: 20171

Ion Ratio Lower Upper

162 100

164 66.3 43.2 83.2

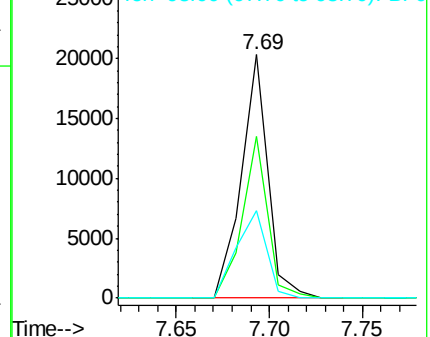
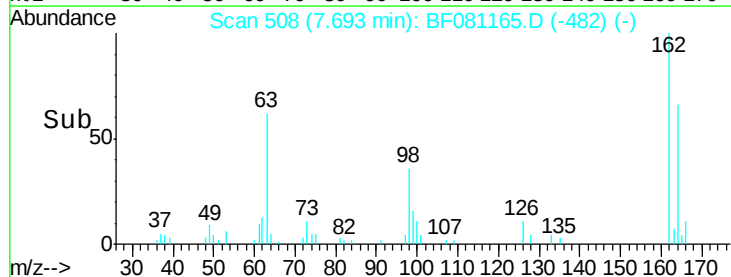
98 36.1 12.3 52.3

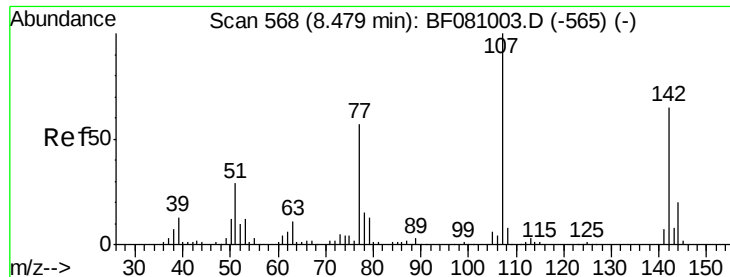


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF0

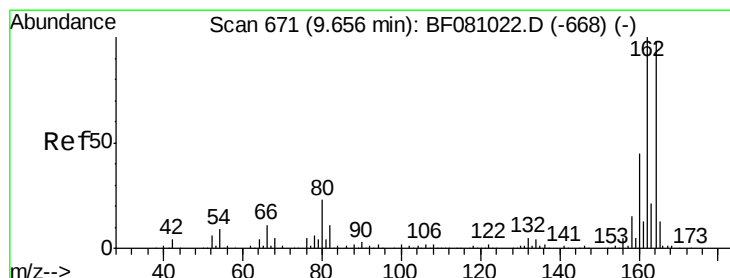
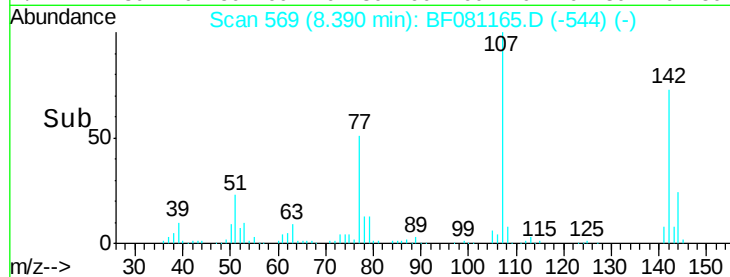
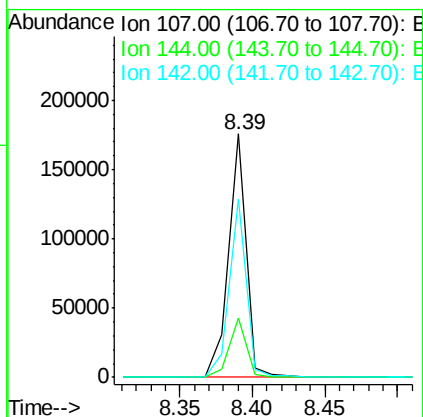
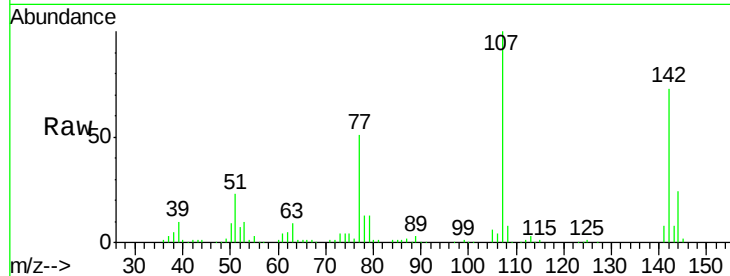




#36
4-Chloro-3-methylphenol
Concen: 35.88 ng
RT: 8.39 min Scan# 569
Delta R.T. -0.01 min
Lab File: BF081165.D
Acq: 24 Aug 2015 12:48

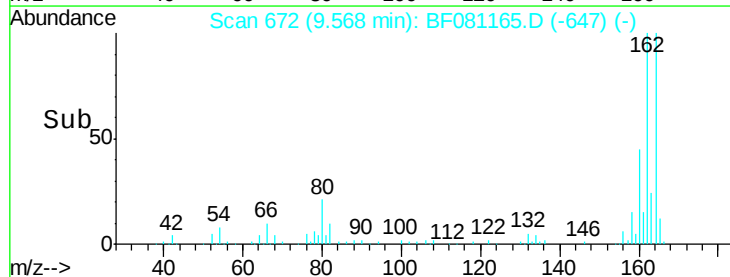
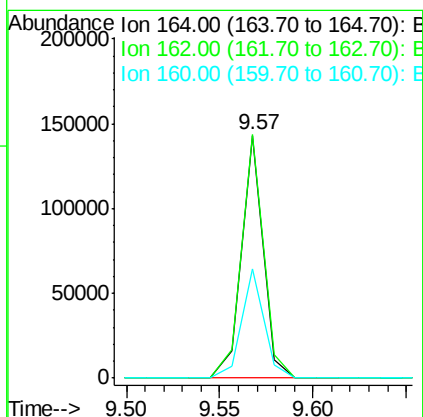
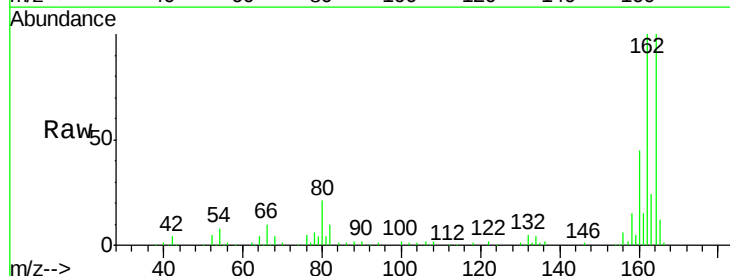
Instrument :
BNA_F
ClientSampled :
8535DL

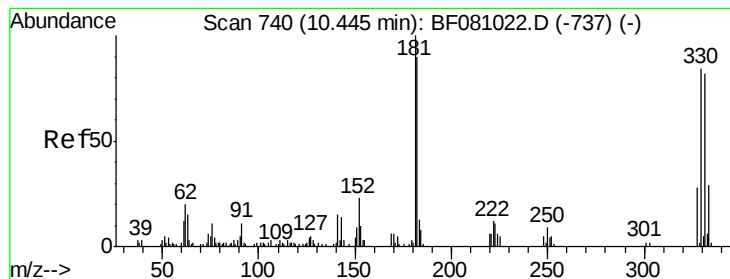
Tgt Ion:107 Resp: 148653
Ion Ratio Lower Upper
107 100
144 24.4 17.2 25.8
142 73.0 54.9 82.3



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.57 min Scan# 672
Delta R.T. -0.01 min
Lab File: BF081165.D
Acq: 24 Aug 2015 12:48

Tgt Ion:164 Resp: 116941
Ion Ratio Lower Upper
164 100
162 100.4 83.8 125.8
160 45.0 39.8 59.8





#41

2,4,6-Tribromophenol

Concen: 26.32 ng

RT: 10.34 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF081165.D

Acq: 24 Aug 2015 12:48

Instrument :

BNA_F

ClientSampleId :

8535DL

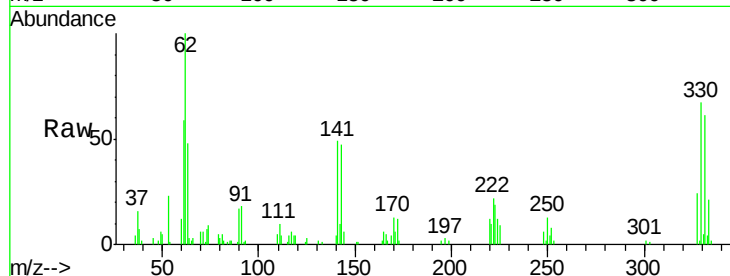
Tgt Ion:330 Resp: 26684

Ion Ratio Lower Upper

330 100

332 94.2 77.3 115.9

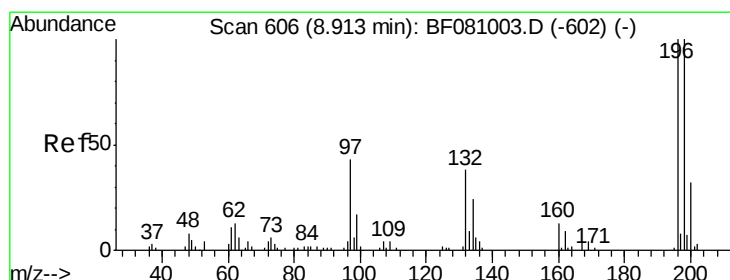
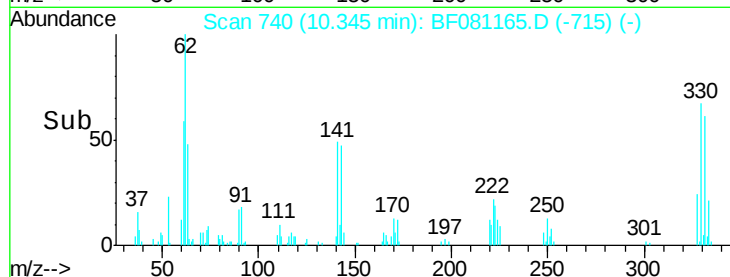
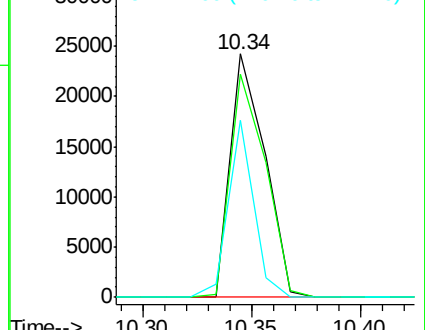
141 53.9 44.9 67.3



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



#42

2,4,6-Trichlorophenol

Concen: 20.82 ng

RT: 8.81 min Scan# 606

Delta R.T. -0.01 min

Lab File: BF081165.D

Acq: 24 Aug 2015 12:48

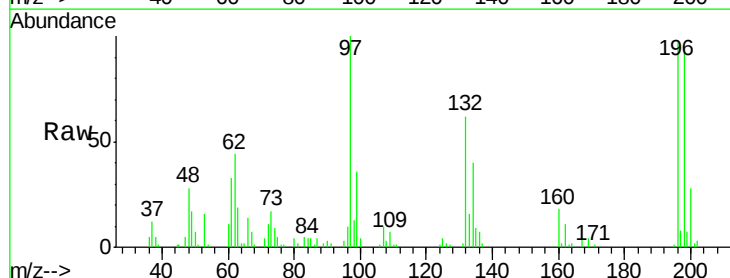
Tgt Ion:196 Resp: 55505

Ion Ratio Lower Upper

196 100

198 97.8 74.6 111.8

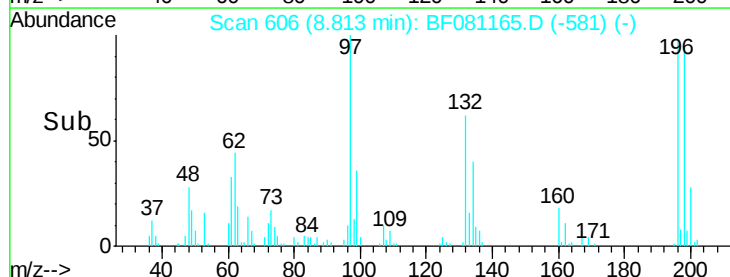
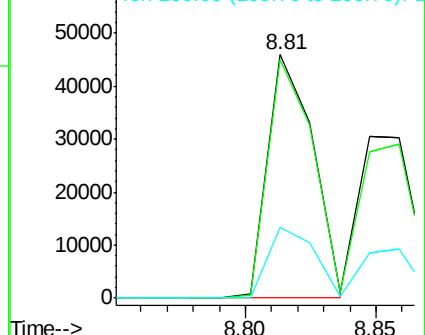
200 29.2 22.7 34.1

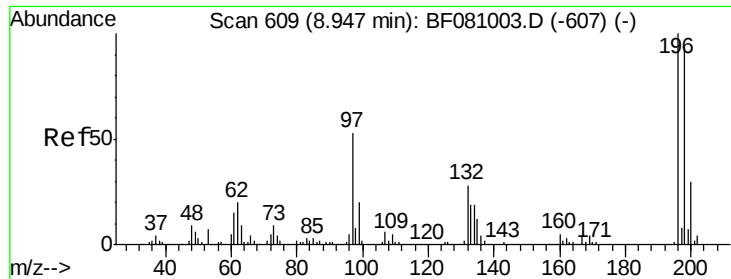


Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E

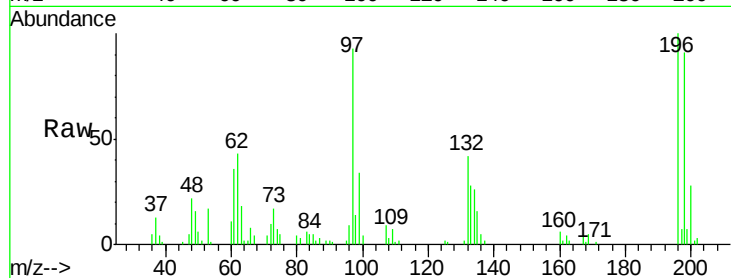




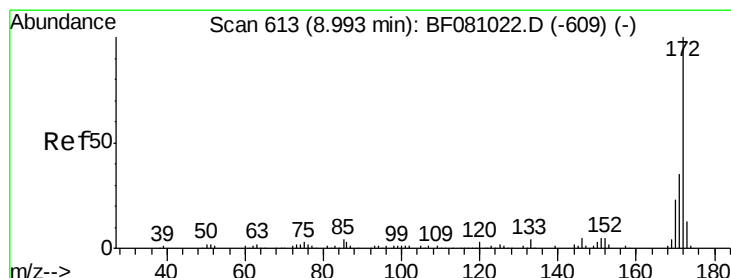
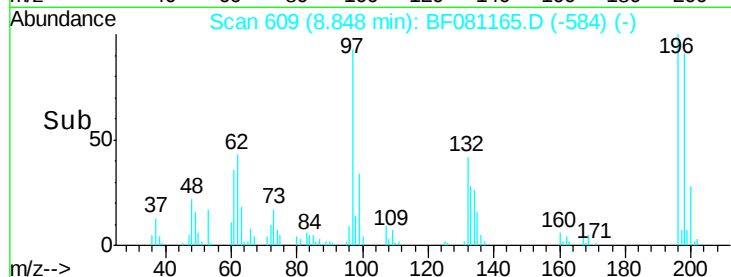
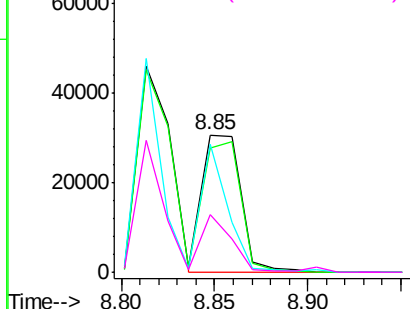
#43
 2,4,5-Trichlorophenol
 Concen: 16.58 ng
 RT: 8.85 min Scan# 609
 Delta R.T. -0.01 min
 Lab File: BF081165.D
 Acq: 24 Aug 2015 12:48

Instrument :
 BNA_F
 ClientSampleId :
 8535DL

Tgt Ion:196 Resp: 44162
 Ion Ratio Lower Upper
 196 100
 198 90.6 78.3 117.5
 97 93.3 42.7 64.1#
 132 42.0 23.3 34.9#

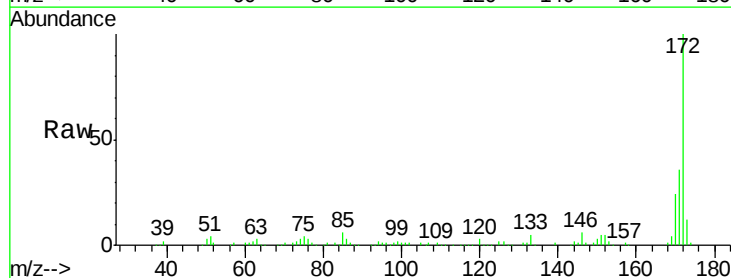


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

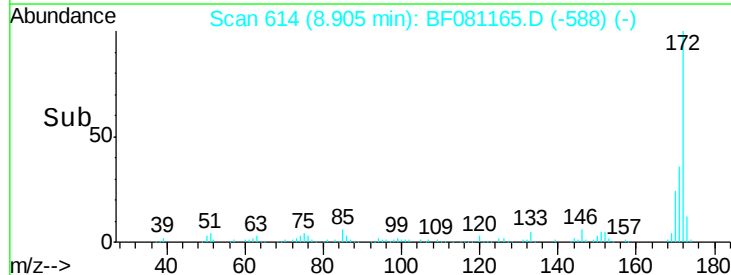
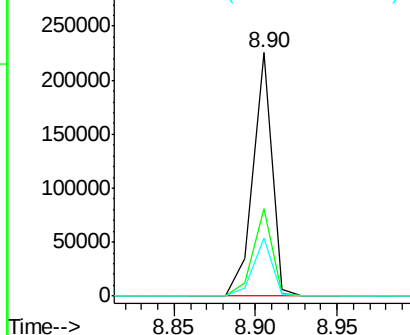


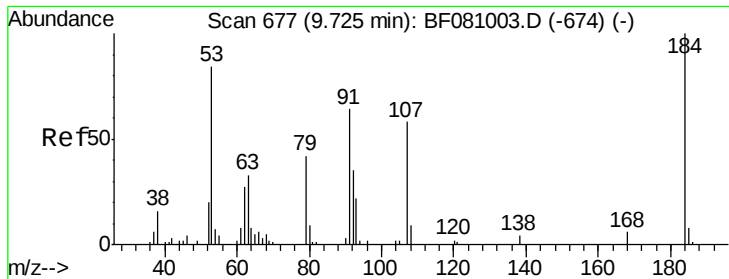
#44
 2-Fluorobiphenyl
 Concen: 20.50 ng
 RT: 8.90 min Scan# 614
 Delta R.T. 0.00 min
 Lab File: BF081165.D
 Acq: 24 Aug 2015 12:48

Tgt Ion:172 Resp: 182921
 Ion Ratio Lower Upper
 172 100
 171 35.8 28.9 43.3
 170 23.6 19.4 29.2



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

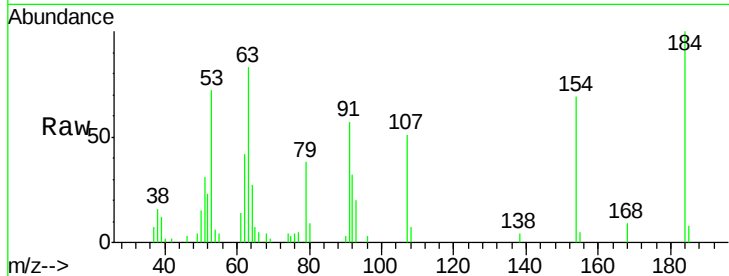




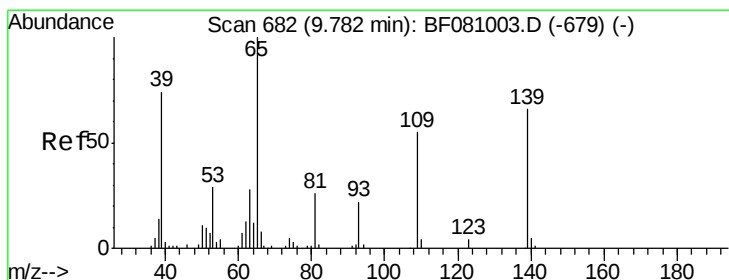
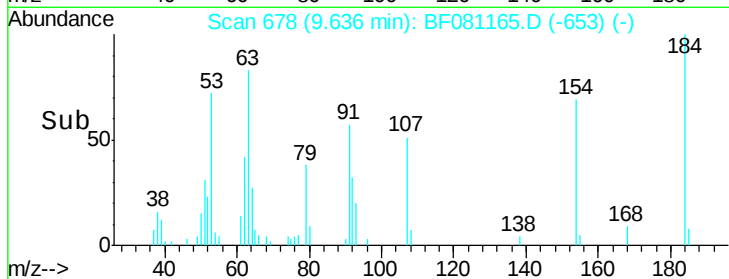
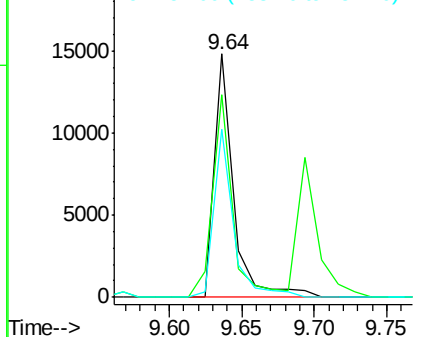
#53
 2,4-Dinitrophenol
 Concen: 16.16 ng
 RT: 9.64 min Scan# 678
 Delta R.T. -0.01 min
 Lab File: BF081165.D
 Acq: 24 Aug 2015 12:48

Instrument :
 BNA_F
 ClientSampleId :
 8535DL

Tgt Ion:184 Resp: 13542
 Ion Ratio Lower Upper
 184 100
 63 83.4 101.7 152.5#
 154 69.1 67.4 101.0

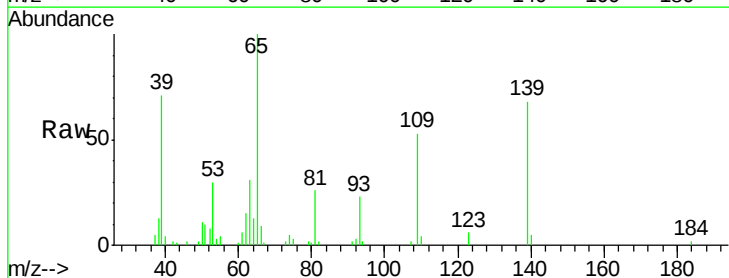


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E

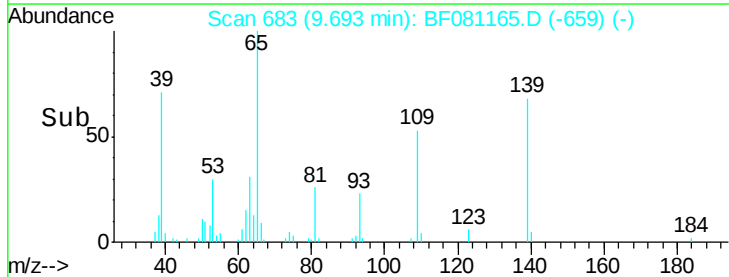
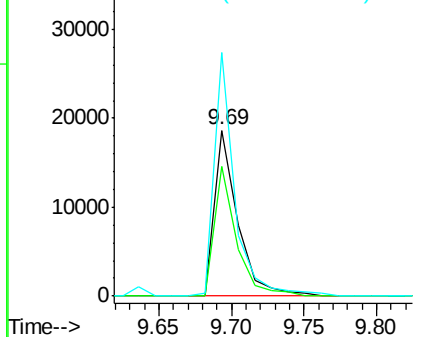


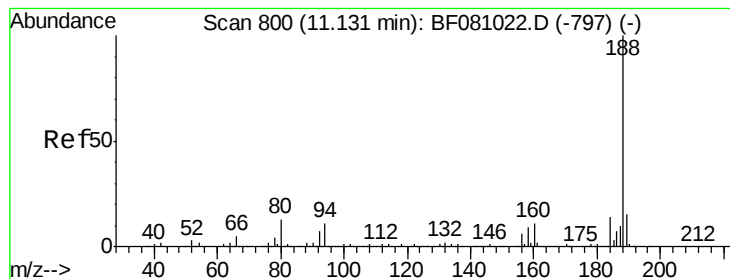
#55
 4-Nitrophenol
 Concen: 11.35 ng
 RT: 9.69 min Scan# 683
 Delta R.T. -0.02 min
 Lab File: BF081165.D
 Acq: 24 Aug 2015 12:48

Tgt Ion:139 Resp: 20621
 Ion Ratio Lower Upper
 139 100
 109 78.1 80.0 120.0#
 65 146.5 138.3 178.3



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): BF0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.04 min Scan# 801

Delta R.T. 0.00 min

Lab File: BF081165.D

Acq: 24 Aug 2015 12:48

Instrument :

BNA_F

ClientSampleId :

8535DL

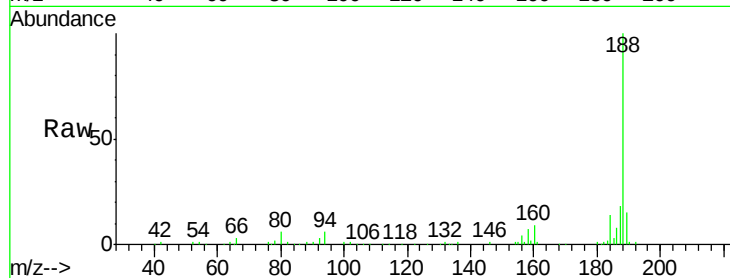
Tgt Ion:188 Resp: 225965

Ion Ratio Lower Upper

188 100

94 6.1 8.2 12.2#

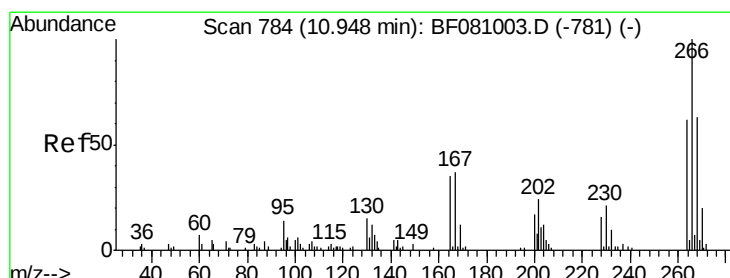
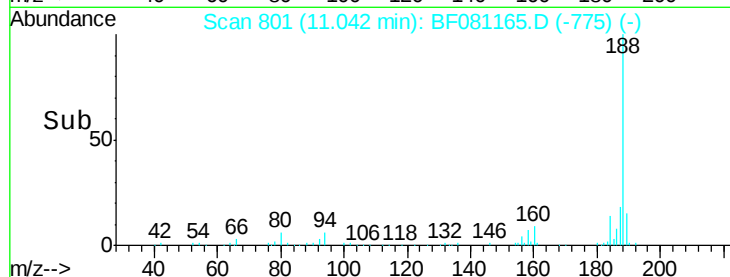
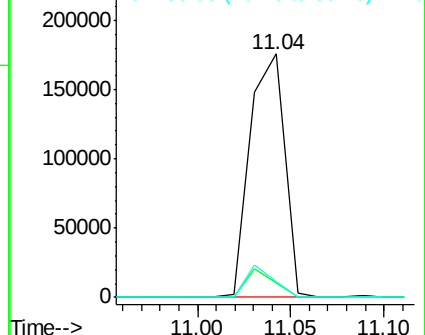
80 6.3 9.5 14.3#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#69

Pentachlorophenol

Concen: 15.16 ng

RT: 10.85 min Scan# 784

Delta R.T. -0.01 min

Lab File: BF081165.D

Acq: 24 Aug 2015 12:48

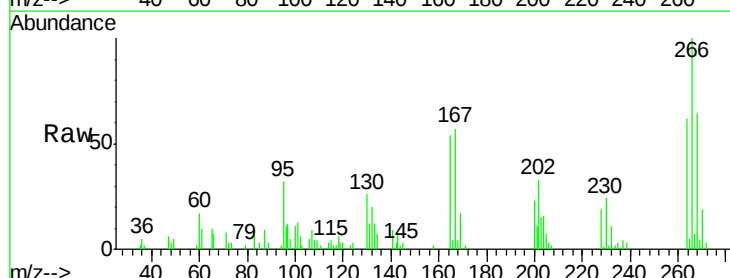
Tgt Ion:266 Resp: 20444

Ion Ratio Lower Upper

266 100

268 64.4 51.2 76.8

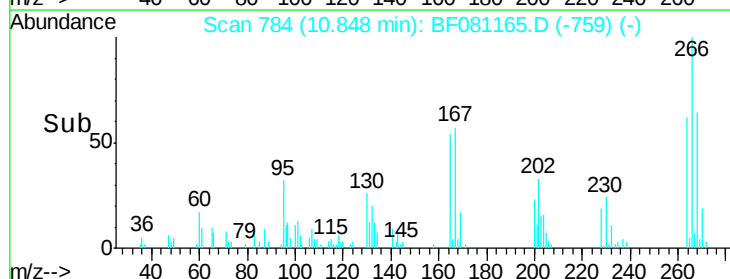
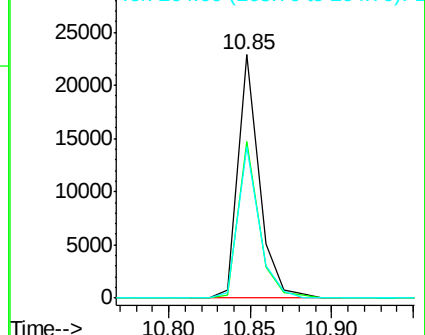
264 62.0 50.6 75.8

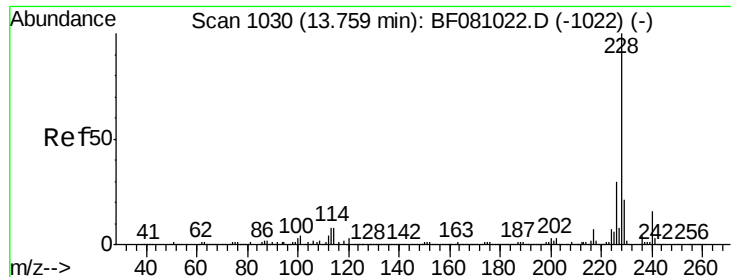


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

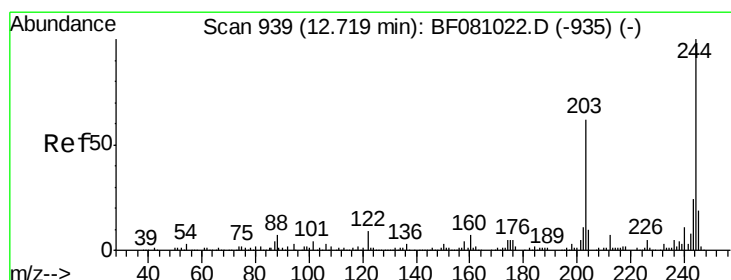
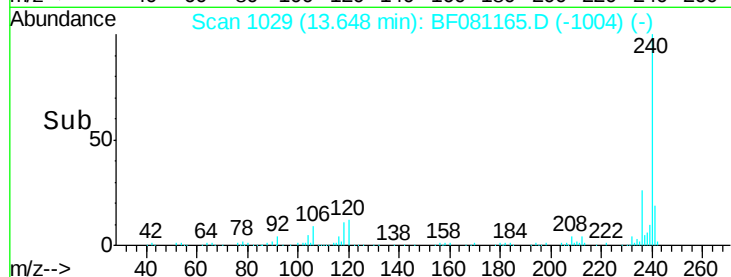
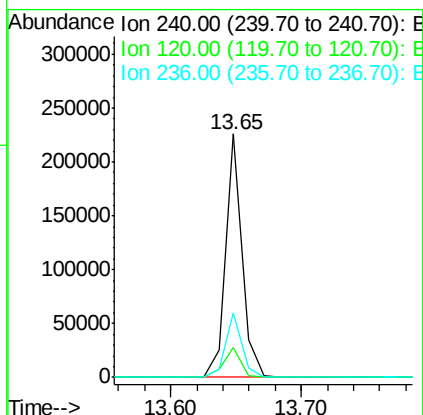
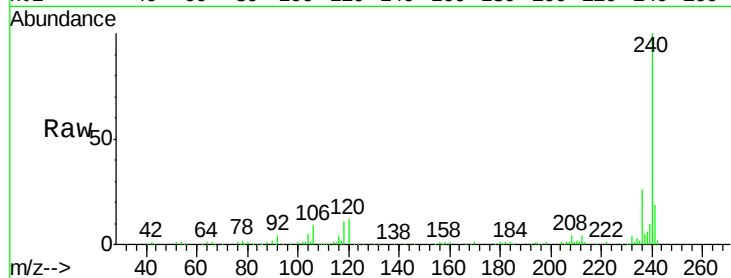




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.65 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: BF081165.D
 Acq: 24 Aug 2015 12:48

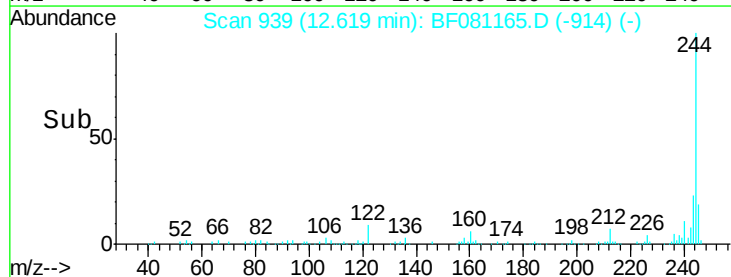
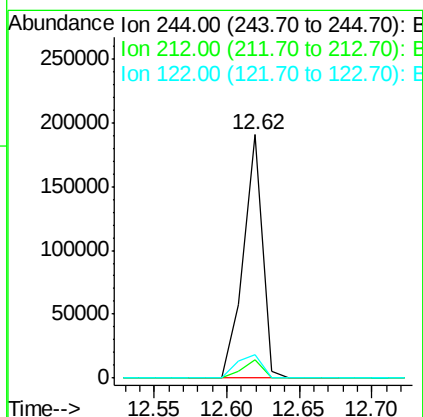
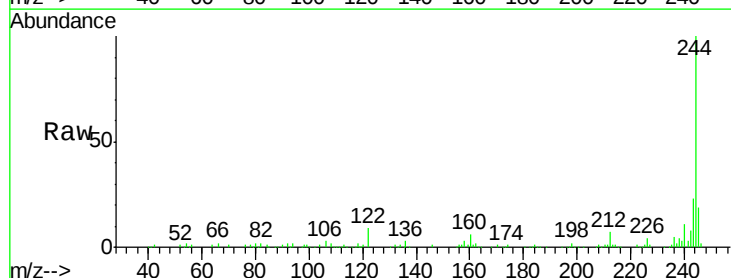
Instrument :
 BNA_F
 ClientSampleId :
 8535DL

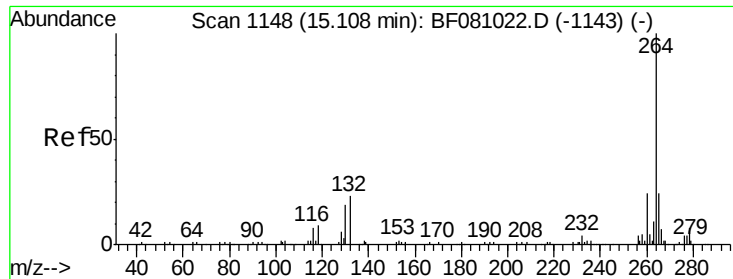
Tgt Ion:240 Resp: 199187
 Ion Ratio Lower Upper
 240 100
 120 12.3 5.6 8.4#
 236 26.2 20.6 30.8



#78
 Terphenyl-d14
 Concen: 18.81 ng
 RT: 12.62 min Scan# 939
 Delta R.T. -0.01 min
 Lab File: BF081165.D
 Acq: 24 Aug 2015 12:48

Tgt Ion:244 Resp: 174763
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.8 8.8
 122 9.4 8.2 12.4





#86
Perylene-d12
Concen: 20.00 ng
RT: 14.99 min Scan# 1146
Delta R.T. 0.00 min
Lab File: BF081165.D
Acq: 24 Aug 2015 12:48

Instrument :
BNA_F
ClientSampleId :
8535DL

Tgt Ion: 264 Resp: 144644
Ion Ratio Lower Upper
264 100
260 23.7 19.6 29.4
265 21.1 17.5 26.3

