

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032816\
 Data File : BF085803.D
 Acq On : 28 Mar 2016 16:00
 Operator : UM/SJ
 Sample : H1739-06DL 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PT-ACIDS-WPDL:

Quant Time: Mar 28 17:14:39 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 28 15:50:38 2016
 Response via : Initial Calibration

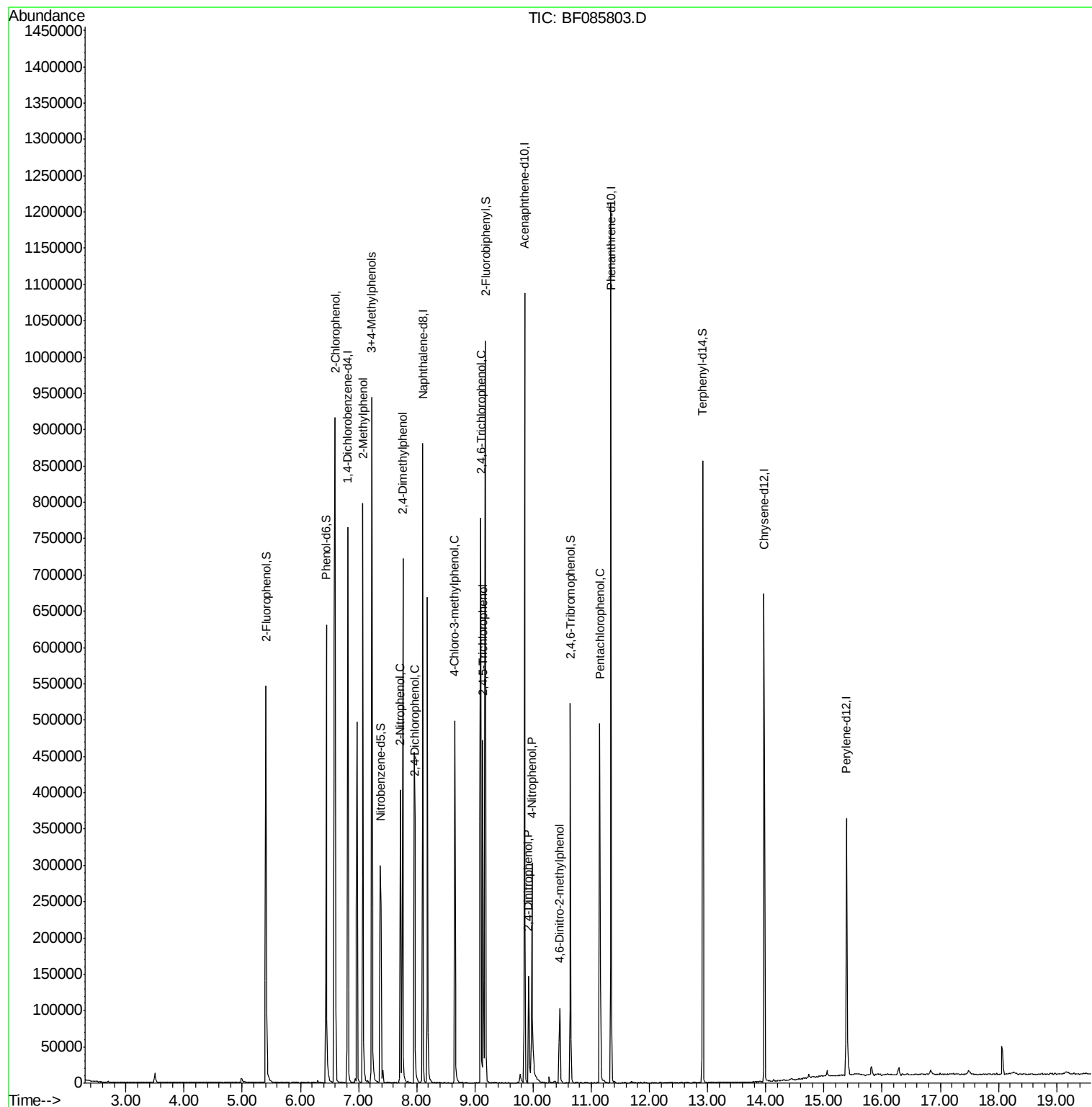
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	112060	20.00	ng	-0.01
21) Naphthalene-d8	8.10	136	454975	20.00	ng	-0.01
38) Acenaphthene-d10	9.85	164	206401	20.00	ng	-0.01
63) Phenanthrene-d10	11.34	188	407472	20.00	ng	-0.01
75) Chrysene-d12	13.97	240	281405	20.00	ng	-0.01
86) Perylene-d12	15.39	264	195487	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	184757	27.46	ng	0.00
7) Phenol-d6	6.45	99	249685	29.19	ng	-0.01
23) Nitrobenzene-d5	7.37	82	140424	17.38	ng	-0.02
41) 2,4,6-Tribromophenol	10.64	330	56230	28.67	ng	-0.01
44) 2-Fluorobiphenyl	9.18	172	302897	24.52	ng	-0.01
78) Terphenyl-d14	12.92	244	256884	18.77	ng	-0.01
Target Compounds						Qvalue
8) 2-Chlorophenol	6.60	128	223813	28.63	ng	97
17) 2-Methylphenol	7.08	107	159946	25.56	ng	96
20) 3+4-Methylphenols	7.22	107	255334	33.93	ng	# 55
26) 2-Nitrophenol	7.72	139	77072	18.50	ng	# 81
27) 2,4-Dimethylphenol	7.76	122	141059	19.37	ng	94
29) 2,4-Dichlorophenol	7.97	162	129991	21.23	ng	92
36) 4-Chloro-3-methylphenol	8.65	107	108129	15.12	ng	94
42) 2,4,6-Trichlorophenol	9.10	196	119702	28.96	ng	97
43) 2,4,5-Trichlorophenol	9.13	196	77534	17.88	ng	# 87
53) 2,4-Dinitrophenol	9.92	184	24452	19.31	ng	94
55) 4-Nitrophenol	9.98	139	70942	28.22	ng	96
64) 4,6-Dinitro-2-methylphenol	10.46	198	18347	7.69	ng	# 65
69) Pentachlorophenol	11.14	266	54338	25.39	ng	98

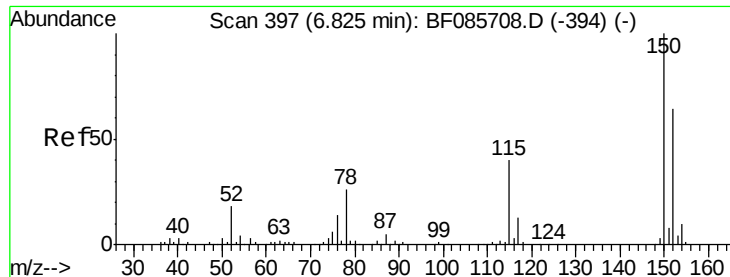
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.81 min Scan# 396

Delta R.T. -0.01 min

Lab File: BF085803.D

Acq: 28 Mar 2016 16:00

Instrument :

BNA_F

ClientSampleId :

PT-ACIDS-WPDL:

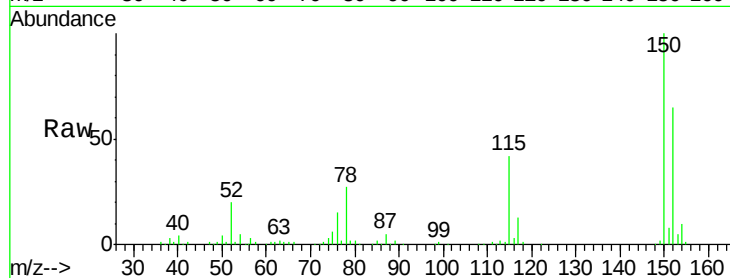
Tgt Ion:152 Resp: 112060

Ion Ratio Lower Upper

152 100

150 154.7 124.2 186.2

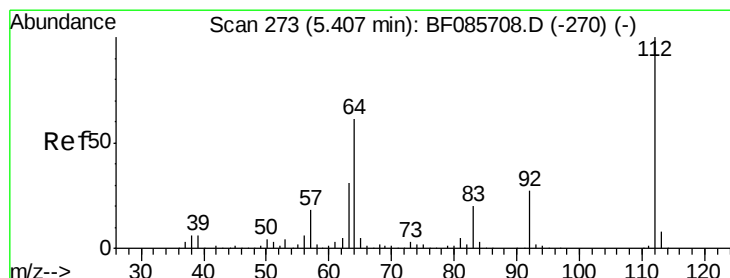
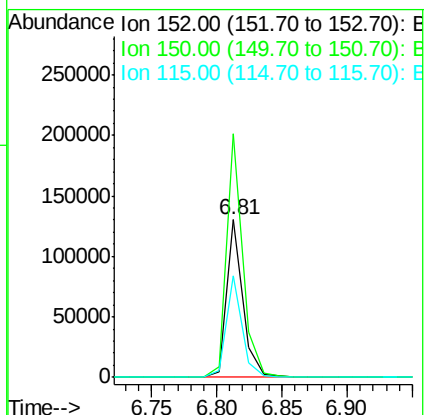
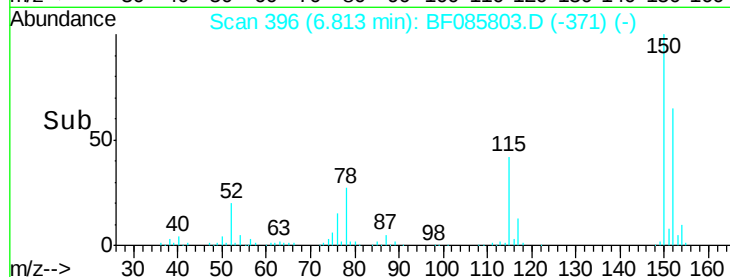
115 64.4 47.0 70.6



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: 27.46 ng

RT: 5.41 min Scan# 273

Delta R.T. 0.00 min

Lab File: BF085803.D

Acq: 28 Mar 2016 16:00

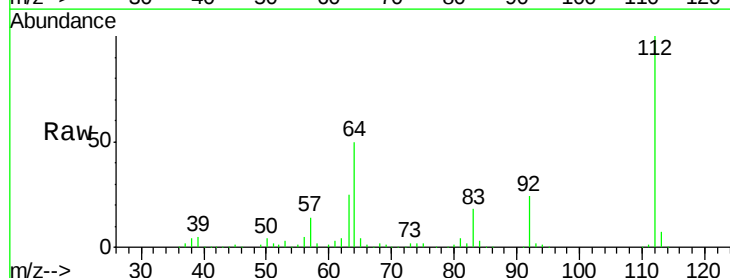
Tgt Ion:112 Resp: 184757

Ion Ratio Lower Upper

112 100

64 49.7 39.9 59.9

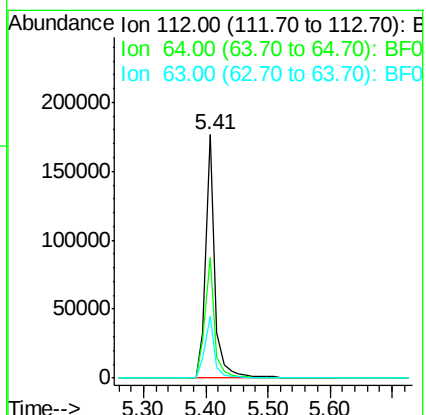
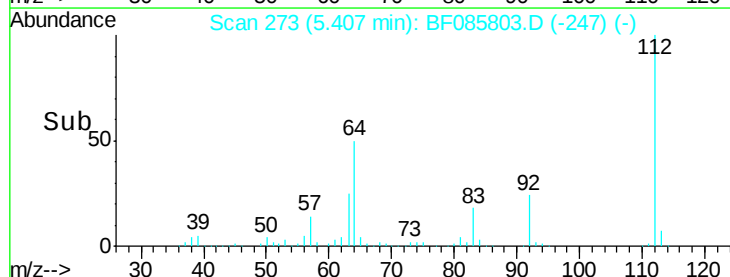
63 25.3 20.2 30.2



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: 29.19 ng

RT: 6.45 min Scan# 364

Delta R.T. -0.01 min

Lab File: BF085803.D

Acq: 28 Mar 2016 16:00

Instrument :

BNA_F

ClientSampleId :

PT-ACIDS-WPDL:

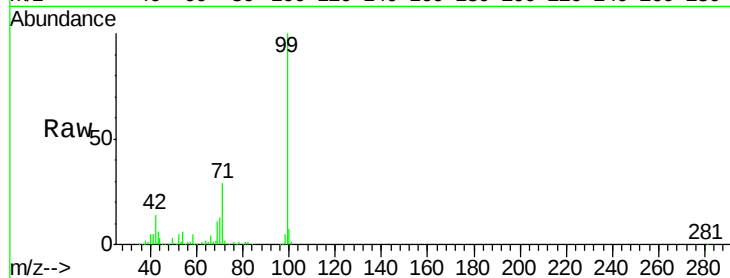
Tgt Ion: 99 Resp: 249685

Ion Ratio Lower Upper

99 100

42 13.7 11.1 16.7

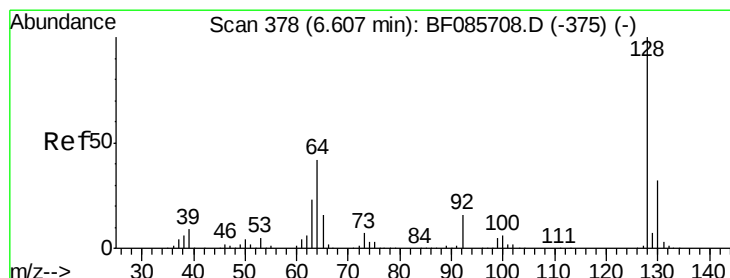
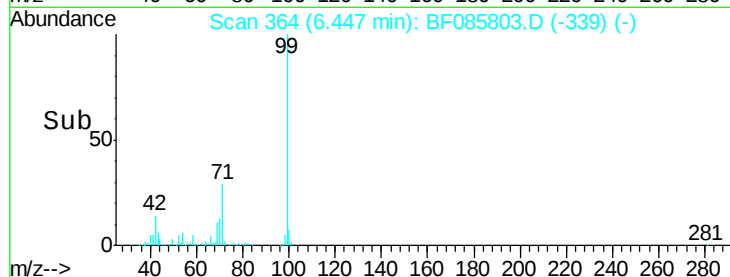
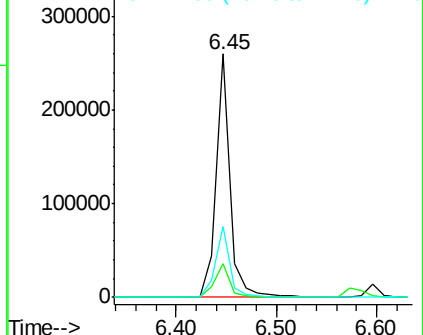
71 29.2 24.9 37.3



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: 28.63 ng

RT: 6.60 min Scan# 377

Delta R.T. -0.01 min

Lab File: BF085803.D

Acq: 28 Mar 2016 16:00

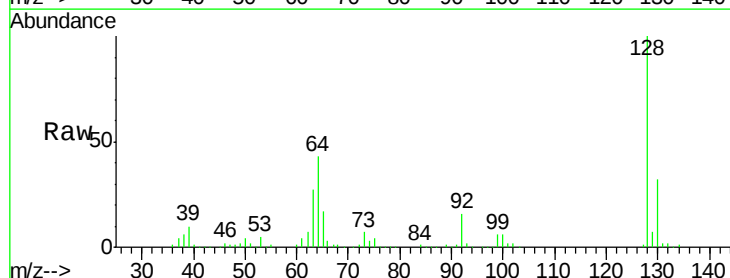
Tgt Ion: 128 Resp: 223813

Ion Ratio Lower Upper

128 100

130 32.3 12.9 52.9

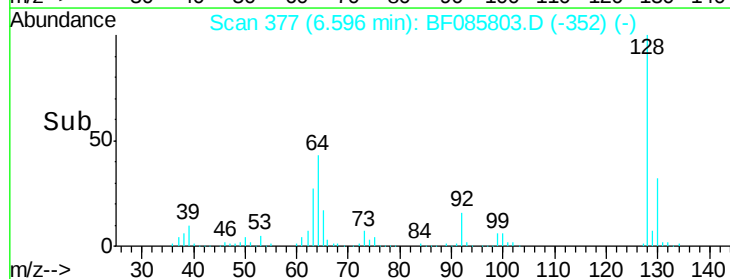
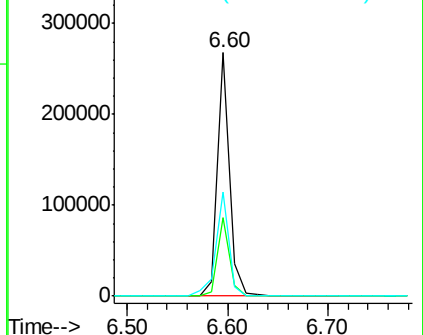
64 42.9 20.2 60.2

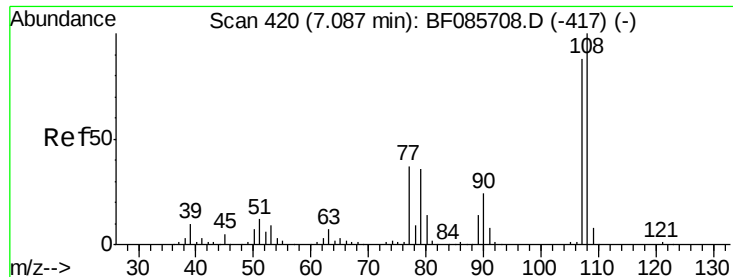


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0

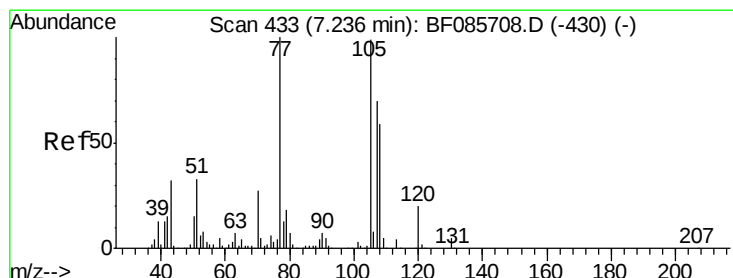
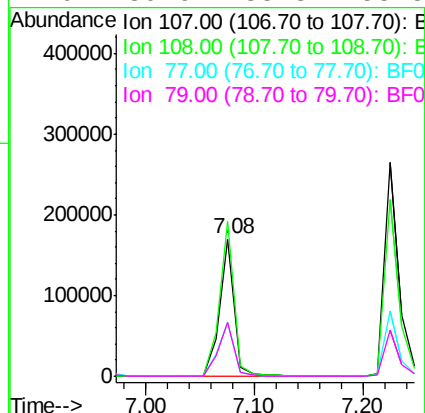
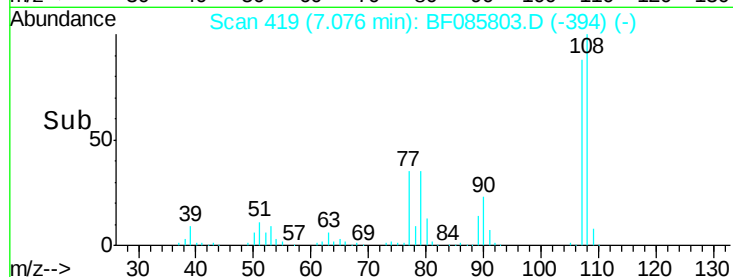
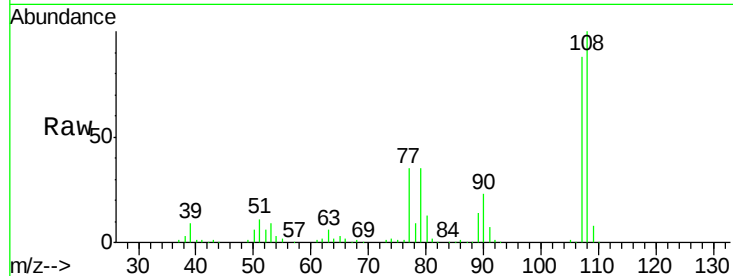




#17
2-Methylphenol
Concen: 25.56 ng
RT: 7.08 min Scan# 419
Delta R.T. -0.01 min
Lab File: BF085803.D
Acq: 28 Mar 2016 16:00

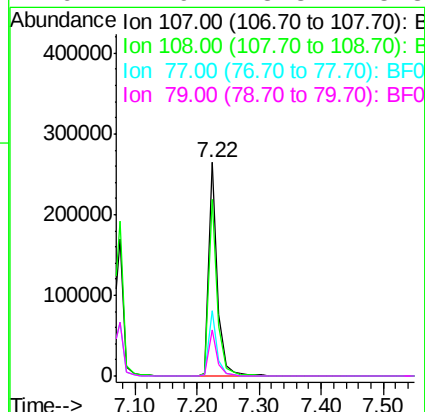
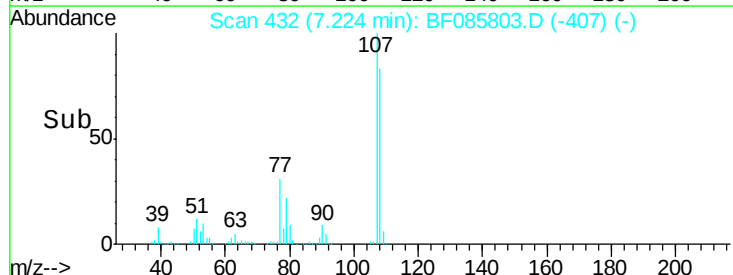
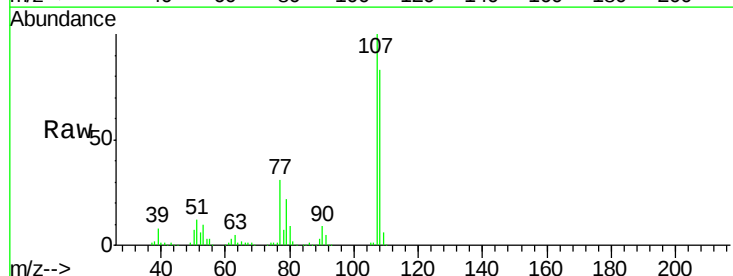
Instrument :
BNA_F
ClientSampleId :
PT-ACIDS-WPDL:

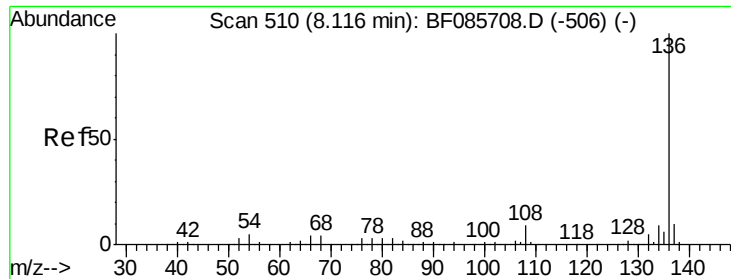
Tgt Ion:	107	Resp:	159946
Ion	Ratio	Lower	Upper
107	100		
108	113.6	91.4	137.0
77	39.5	36.2	54.2
79	39.6	35.8	53.8



#20
3+4-Methylphenols
Concen: 33.93 ng
RT: 7.22 min Scan# 432
Delta R.T. -0.01 min
Lab File: BF085803.D
Acq: 28 Mar 2016 16:00

Tgt Ion:	107	Resp:	255334
Ion	Ratio	Lower	Upper
107	100		
108	82.7	69.3	109.3
77	30.9	101.7	141.7#
79	21.9	8.3	48.3

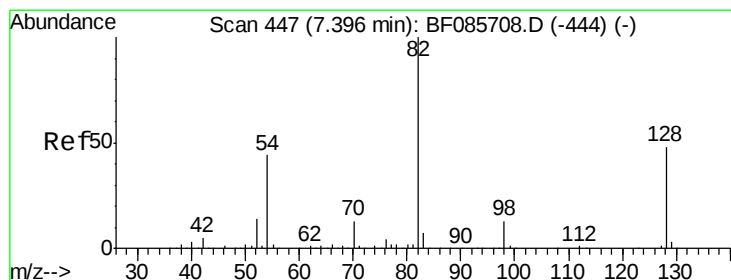
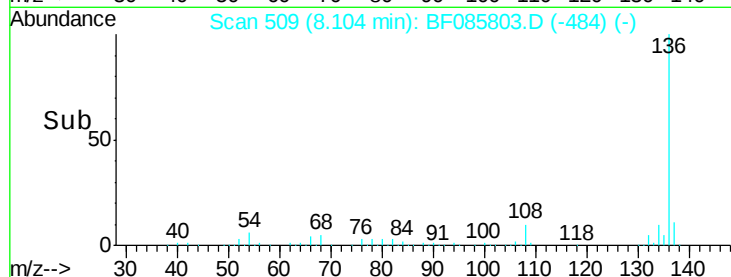
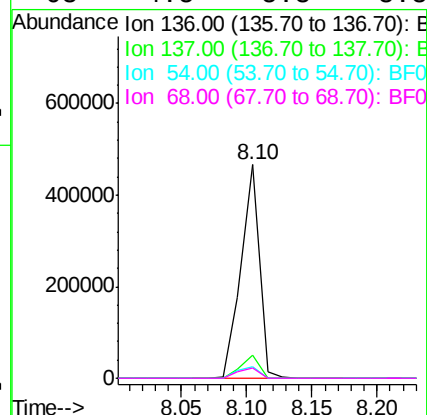
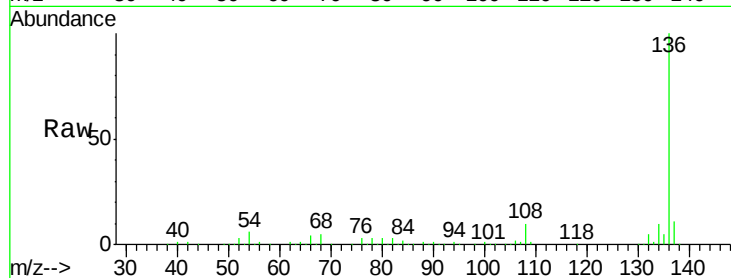




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 509
Delta R.T. -0.01 min
Lab File: BF085803.D
Acq: 28 Mar 2016 16:00

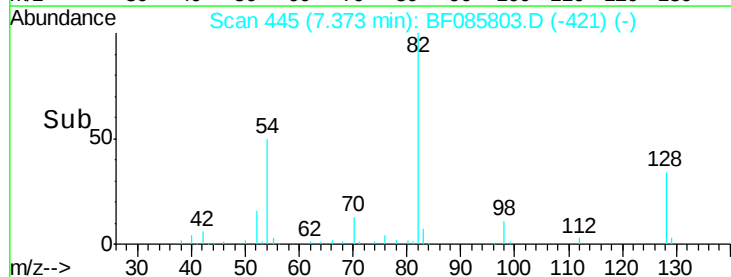
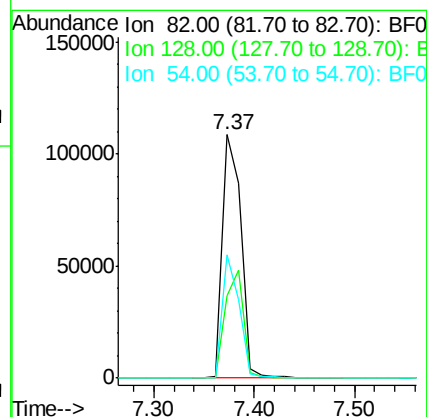
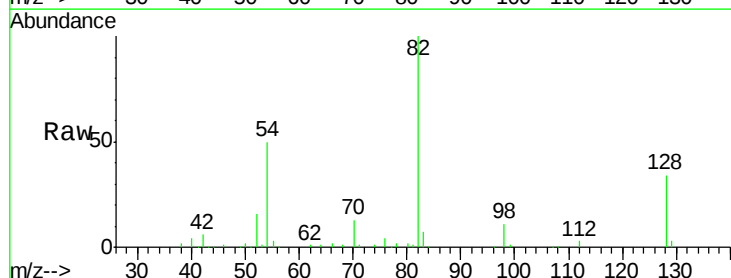
Instrument :
BNA_F
ClientSampleId :
PT-ACIDS-WPDL:

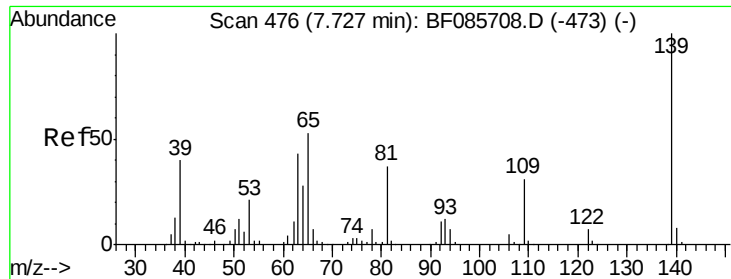
Tgt Ion:	136	Resp:	454975
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.1	13.7
54	5.6	7.4	11.0#
68	4.5	5.8	8.8#



#23
Nitrobenzene-d5
Concen: 17.38 ng
RT: 7.37 min Scan# 445
Delta R.T. -0.02 min
Lab File: BF085803.D
Acq: 28 Mar 2016 16:00

Tgt Ion:	82	Resp:	140424
Ion	Ratio	Lower	Upper
82	100		
128	33.6	41.8	62.8#
54	50.5	33.4	50.0#





#26

2-Nitrophenol

Concen: 18.50 ng

RT: 7.72 min Scan# 475

Delta R.T. -0.01 min

Lab File: BF085803.D

Acq: 28 Mar 2016 16:00

Instrument :

BNA_F

ClientSampleId :

PT-ACIDS-WPDL:

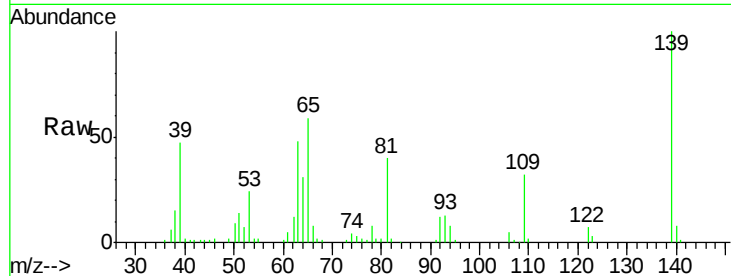
Tgt Ion:139 Resp: 77072

Ion Ratio Lower Upper

139 100

109 31.7 22.1 33.1

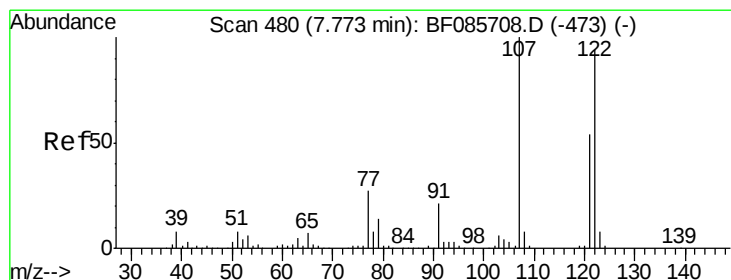
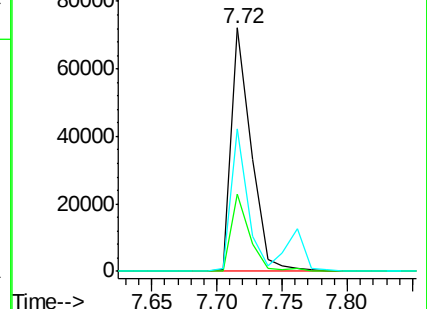
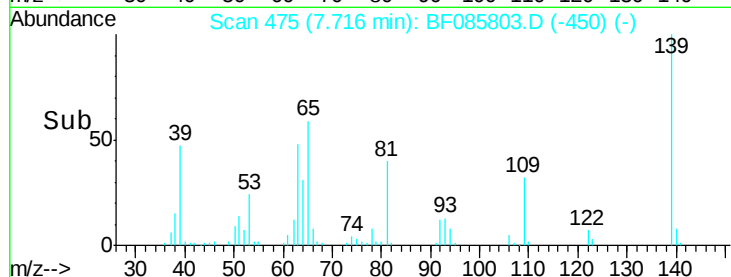
65 58.6 33.9 50.9#



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: 19.37 ng

RT: 7.76 min Scan# 479

Delta R.T. -0.01 min

Lab File: BF085803.D

Acq: 28 Mar 2016 16:00

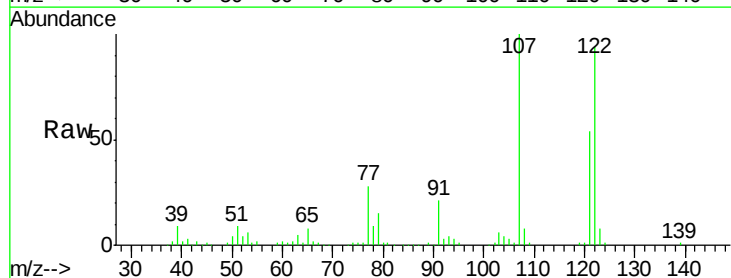
Tgt Ion:122 Resp: 141059

Ion Ratio Lower Upper

122 100

107 106.2 93.0 139.6

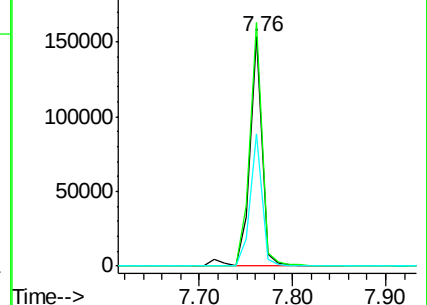
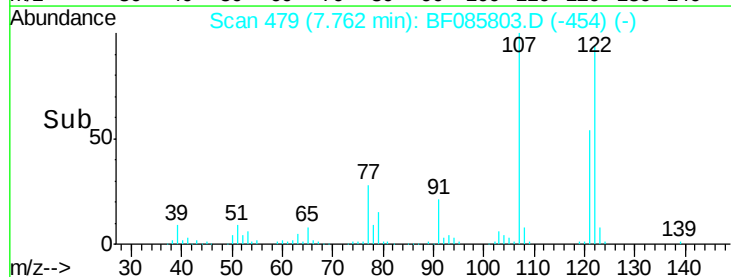
121 57.4 45.9 68.9

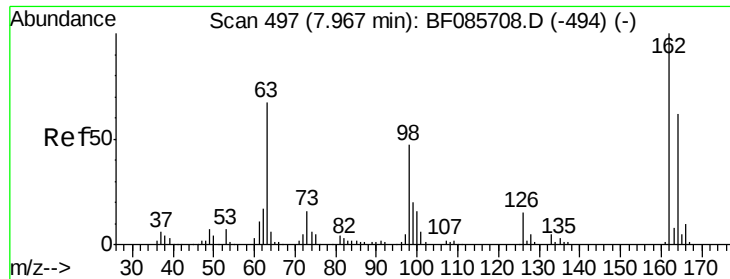


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E

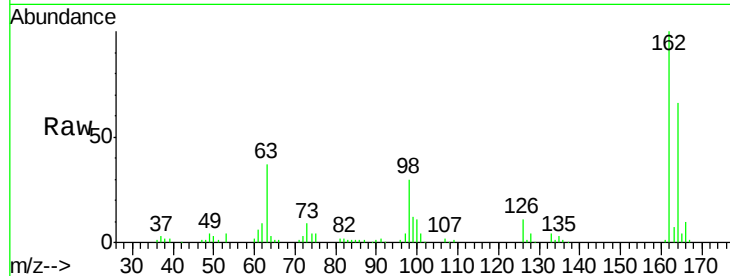




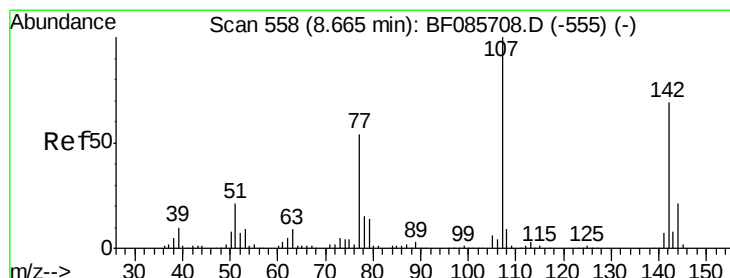
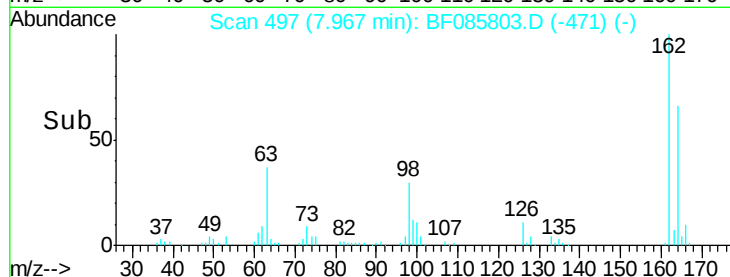
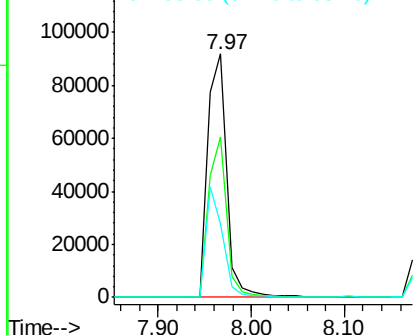
#29
 2,4-Dichlorophenol
 Concen: 21.23 ng
 RT: 7.97 min Scan# 497
 Delta R.T. -0.00 min
 Lab File: BF085803.D
 Acq: 28 Mar 2016 16:00

Instrument :
 BNA_F
 ClientSampleId :
 PT-ACIDS-WPDL:

Tgt Ion	Ratio	Lower	Upper
162	100		
164	65.9	43.7	83.7
98	30.3	20.4	60.4

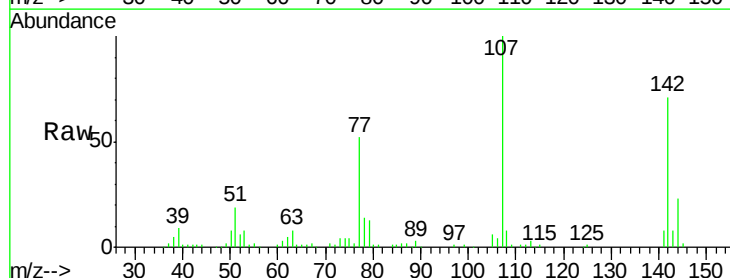


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

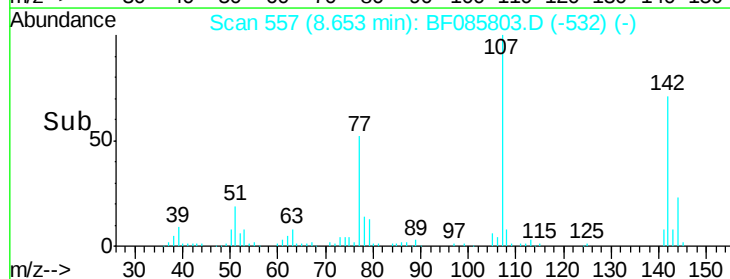
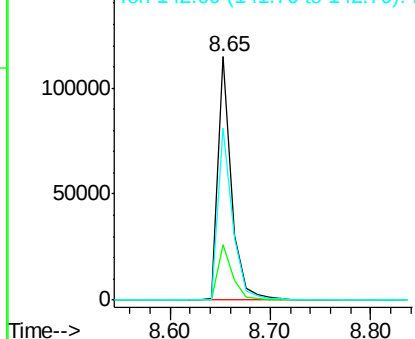


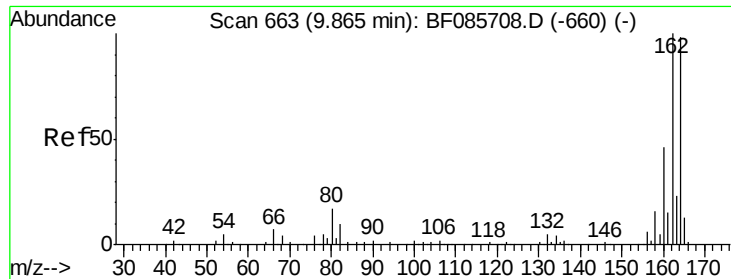
#36
 4-Chloro-3-methylphenol
 Concen: 15.12 ng
 RT: 8.65 min Scan# 557
 Delta R.T. -0.01 min
 Lab File: BF085803.D
 Acq: 28 Mar 2016 16:00

Tgt Ion	Ratio	Lower	Upper
107	100		
144	23.0	19.3	28.9
142	70.6	61.4	92.0



Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.85 min Scan# 662

Delta R.T. -0.01 min

Lab File: BF085803.D

Acq: 28 Mar 2016 16:00

Instrument :

BNA_F

ClientSampleId :

PT-ACIDS-WPDL:

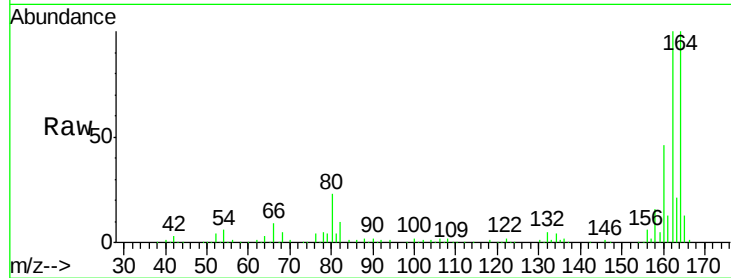
Tgt Ion:164 Resp: 206401

Ion Ratio Lower Upper

164 100

162 100.1 82.1 123.1

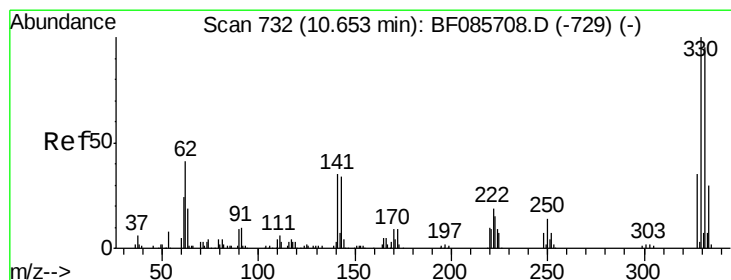
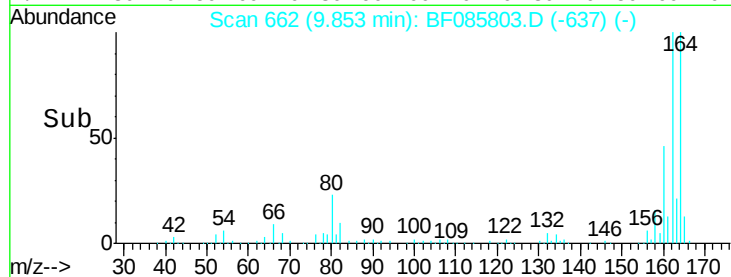
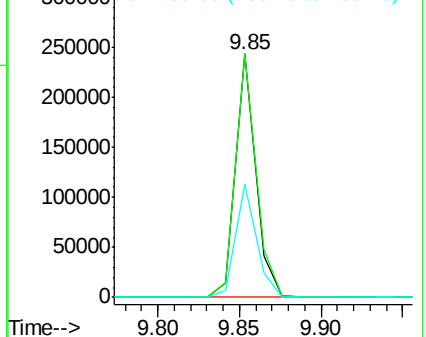
160 46.5 37.4 56.2



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



#41

2,4,6-Tribromophenol

Concen: 28.67 ng

RT: 10.64 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF085803.D

Acq: 28 Mar 2016 16:00

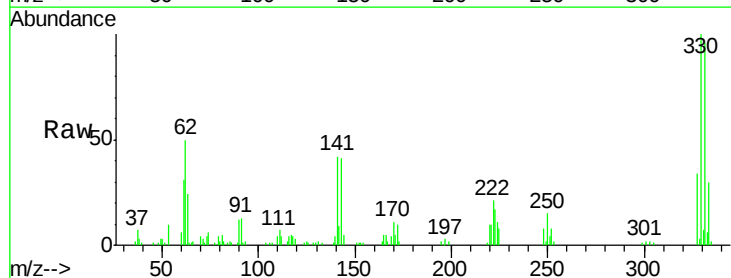
Tgt Ion:330 Resp: 56230

Ion Ratio Lower Upper

330 100

332 96.5 78.2 117.2

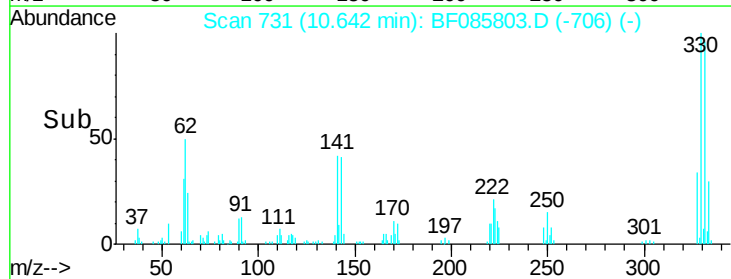
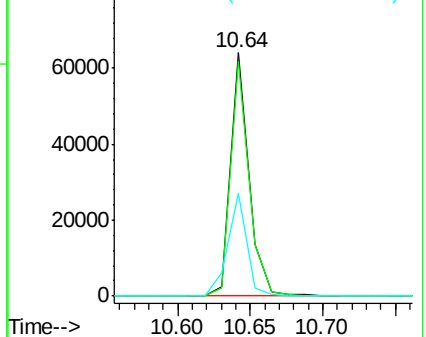
141 44.0 31.5 47.3

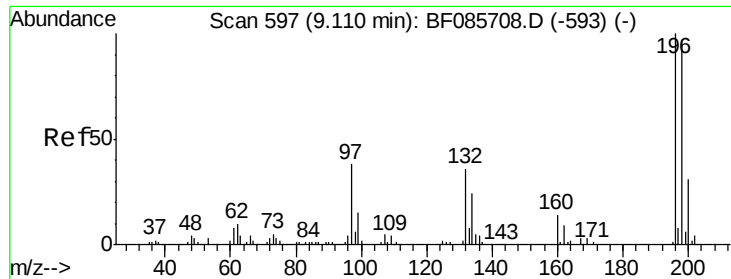


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

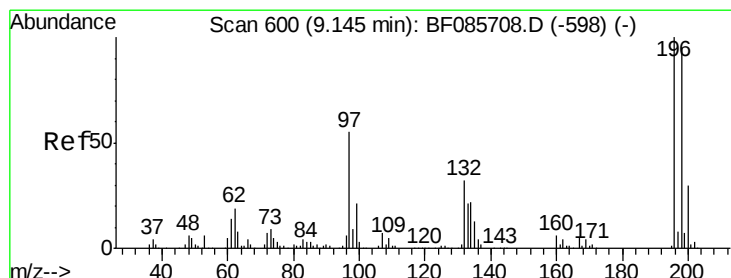
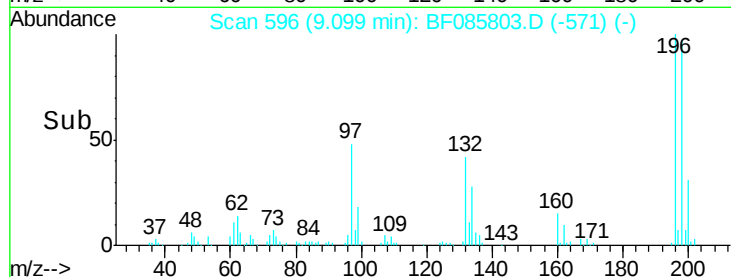
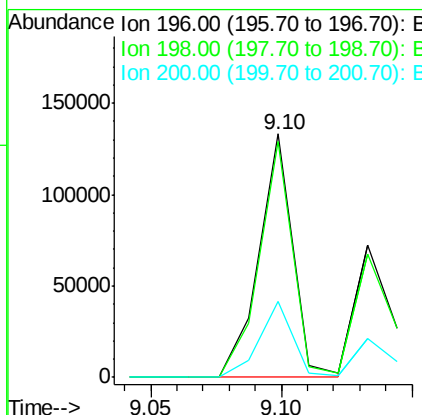
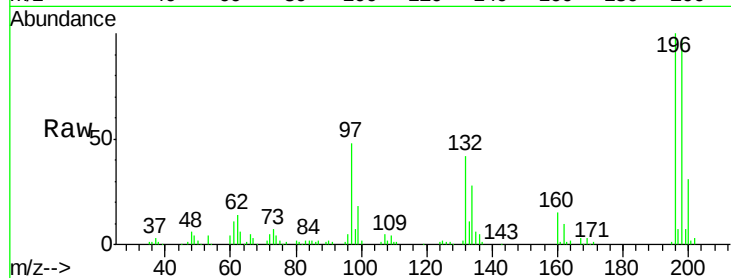




#42
 2,4,6-Trichlorophenol
 Concen: 28.96 ng
 RT: 9.10 min Scan# 596
 Delta R.T. -0.01 min
 Lab File: BF085803.D
 Acq: 28 Mar 2016 16:00

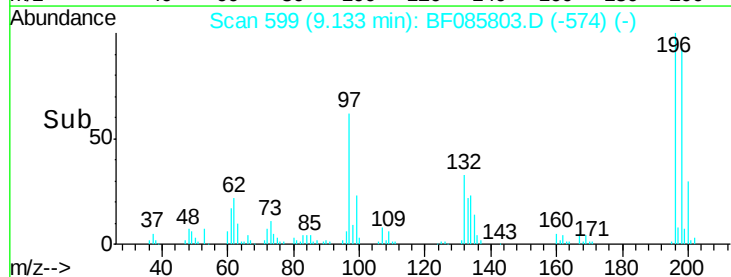
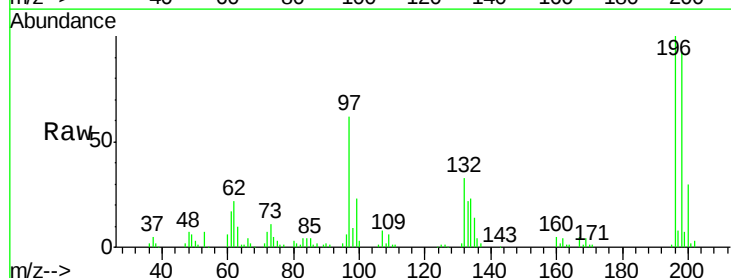
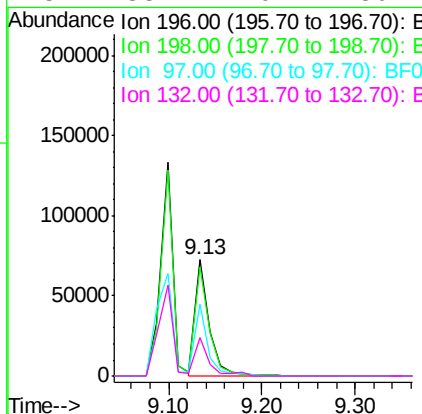
Instrument :
 BNA_F
 ClientSampleId :
 PT-ACIDS-WPDL:

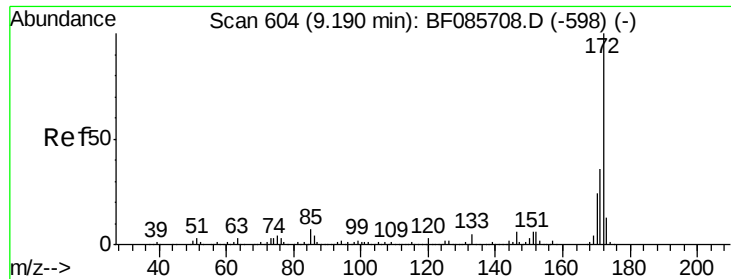
Tgt Ion:196 Resp: 119702
 Ion Ratio Lower Upper
 196 100
 198 96.7 75.3 112.9
 200 31.0 23.7 35.5



#43
 2,4,5-Trichlorophenol
 Concen: 17.88 ng
 RT: 9.13 min Scan# 599
 Delta R.T. -0.01 min
 Lab File: BF085803.D
 Acq: 28 Mar 2016 16:00

Tgt Ion:196 Resp: 77534
 Ion Ratio Lower Upper
 196 100
 198 93.4 76.6 114.8
 97 61.7 30.5 45.7#
 132 33.4 20.2 30.2#





#44

2-Fluorobiphenyl

Concen: 24.52 ng

RT: 9.18 min Scan# 603

Delta R.T. -0.01 min

Lab File: BF085803.D

Acq: 28 Mar 2016 16:00

Instrument :

BNA_F

ClientSampleId :

PT-ACIDS-WPDL:

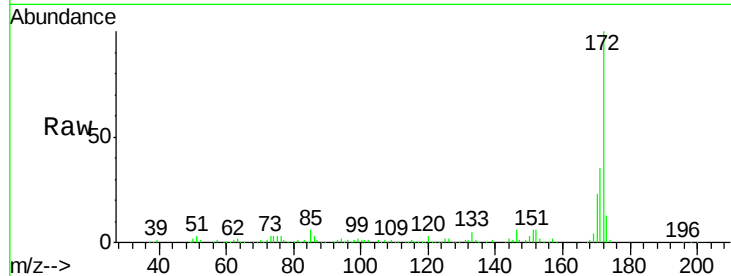
Tgt Ion:172 Resp: 302897

Ion Ratio Lower Upper

172 100

171 34.8 29.4 44.2

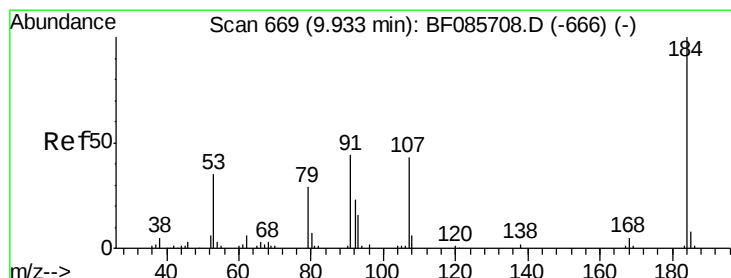
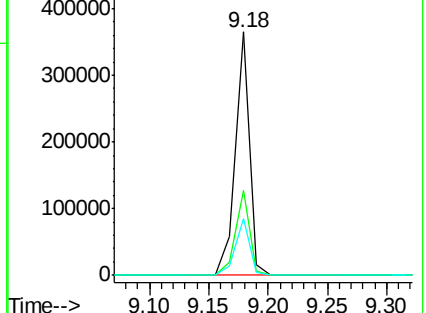
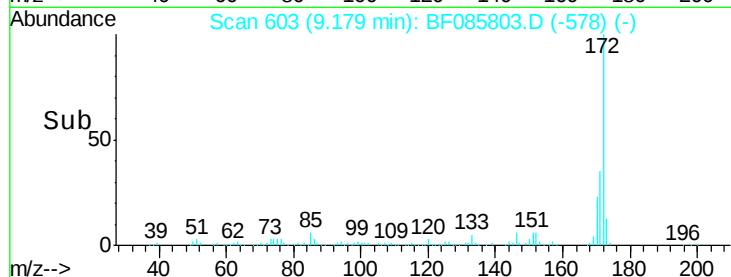
170 23.3 19.8 29.6



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: 19.31 ng

RT: 9.92 min Scan# 668

Delta R.T. -0.01 min

Lab File: BF085803.D

Acq: 28 Mar 2016 16:00

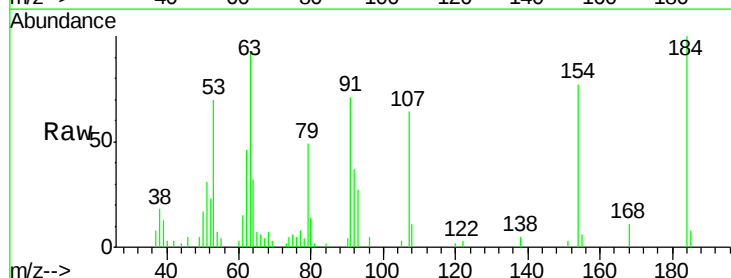
Tgt Ion:184 Resp: 24452

Ion Ratio Lower Upper

184 100

63 93.0 69.5 104.3

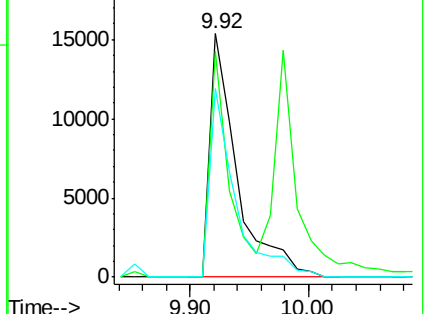
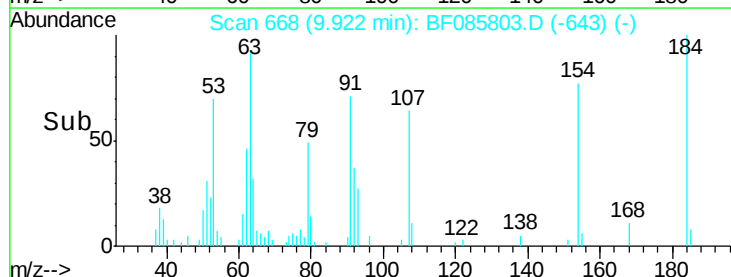
154 77.3 58.3 87.5

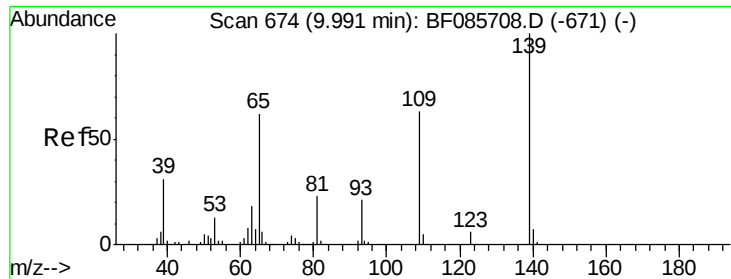


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

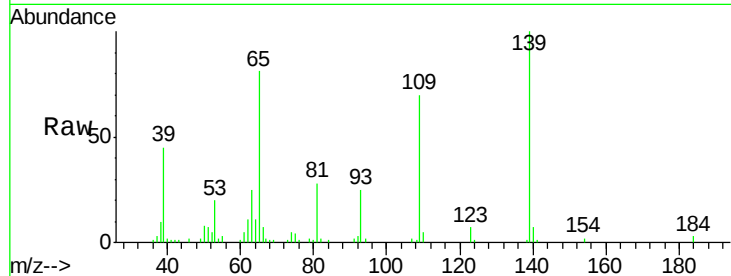




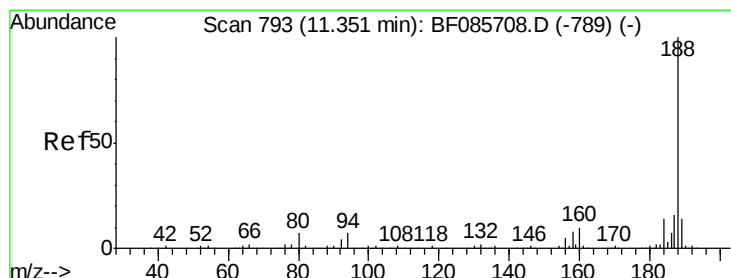
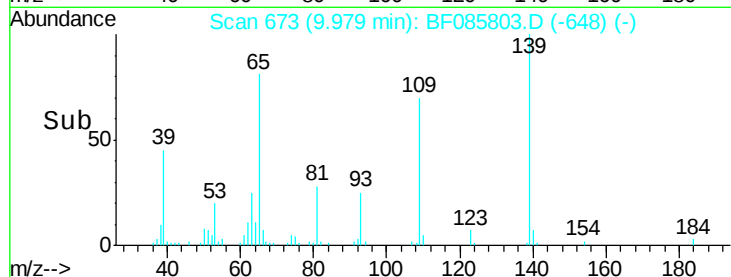
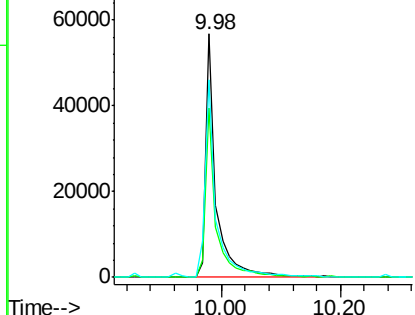
#55
4-Nitrophenol
Concen: 28.22 ng
RT: 9.98 min Scan# 673
Delta R.T. -0.01 min
Lab File: BF085803.D
Acq: 28 Mar 2016 16:00

Instrument :
BNA_F
ClientSampleId :
PT-ACIDS-WPDL:

Tgt Ion:139 Resp: 70942
Ion Ratio Lower Upper
139 100
109 69.5 49.2 89.2
65 81.1 66.9 106.9

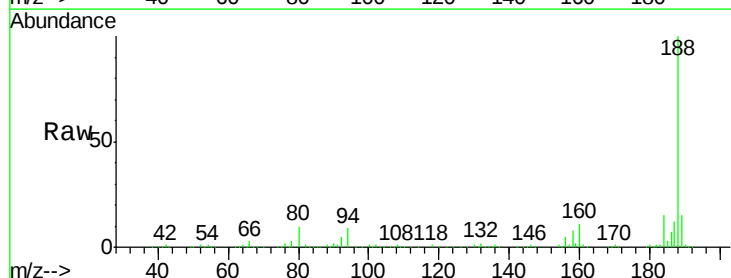


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

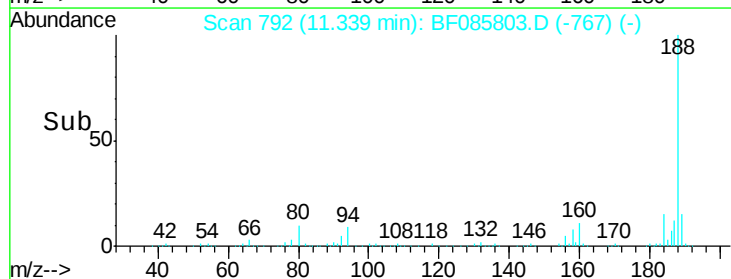
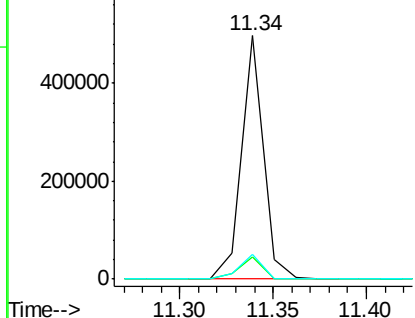


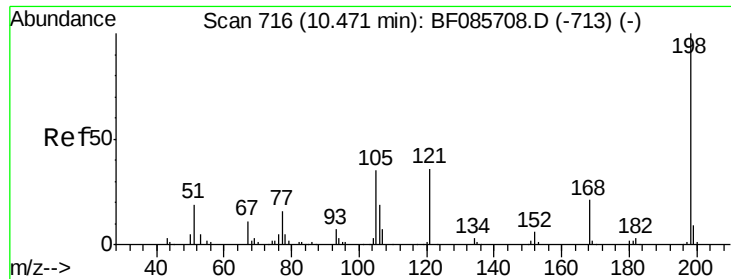
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF085803.D
Acq: 28 Mar 2016 16:00

Tgt Ion:188 Resp: 407472
Ion Ratio Lower Upper
188 100
94 9.4 5.4 8.0#
80 10.0 5.5 8.3#



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





#64

4,6-Dinitro-2-methylphenol

Concen: 7.69 ng

RT: 10.46 min Scan# 715

Delta R.T. -0.01 min

Lab File: BF085803.D

Acq: 28 Mar 2016 16:00

Instrument :

BNA_F

ClientSampleId :

PT-ACIDS-WPDL:

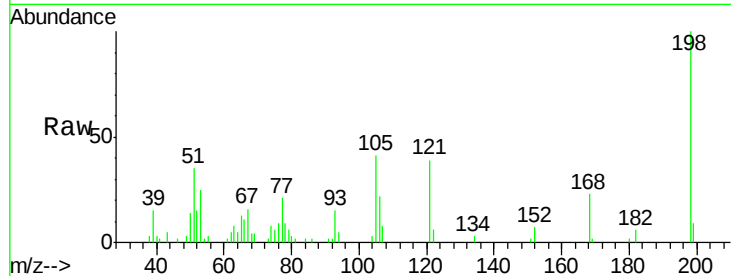
Tgt Ion:198 Resp: 18347

Ion Ratio Lower Upper

198 100

51 35.0 45.4 85.4#

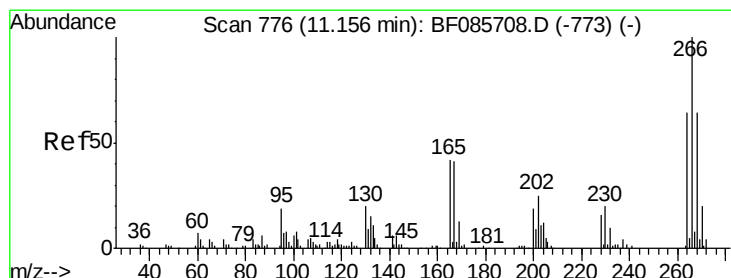
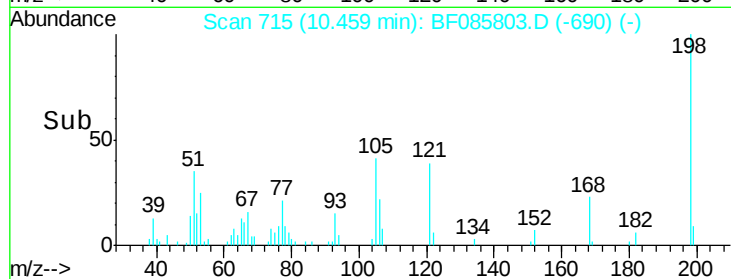
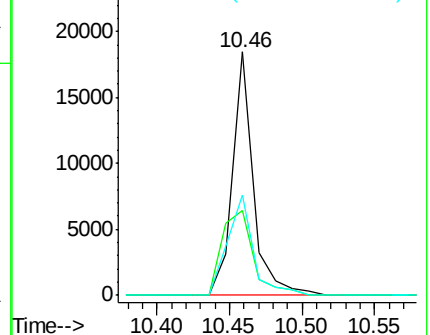
105 41.1 45.9 85.9#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#69

Pentachlorophenol

Concen: 25.39 ng

RT: 11.14 min Scan# 775

Delta R.T. -0.01 min

Lab File: BF085803.D

Acq: 28 Mar 2016 16:00

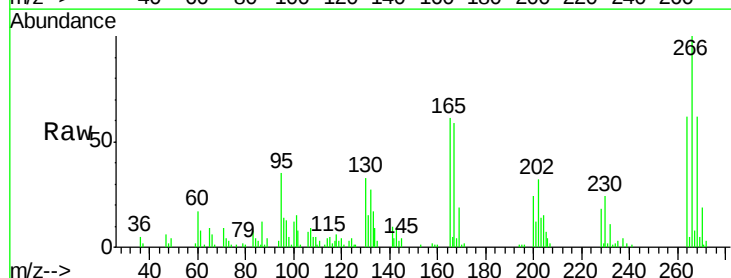
Tgt Ion:266 Resp: 54338

Ion Ratio Lower Upper

266 100

268 61.6 51.5 77.3

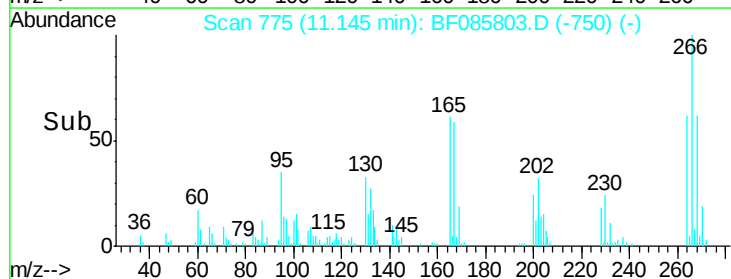
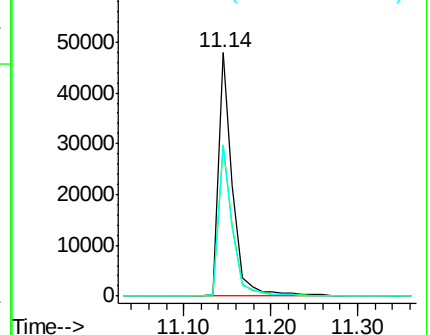
264 62.4 50.6 76.0

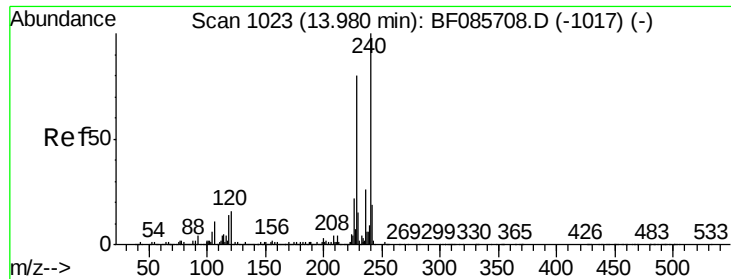


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.97 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BF085803.D

Acq: 28 Mar 2016 16:00

Instrument :

BNA_F

ClientSampleId :

PT-ACIDS-WPDL:

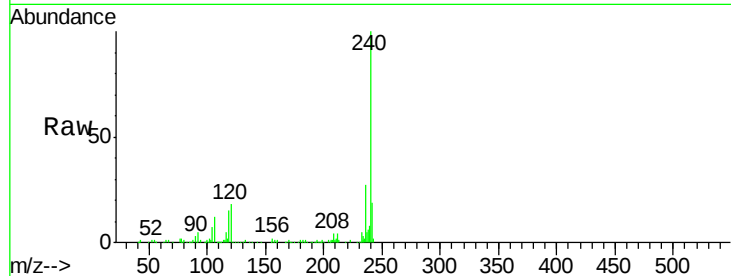
Tgt Ion:240 Resp: 281405

Ion Ratio Lower Upper

240 100

120 17.9 13.8 20.8

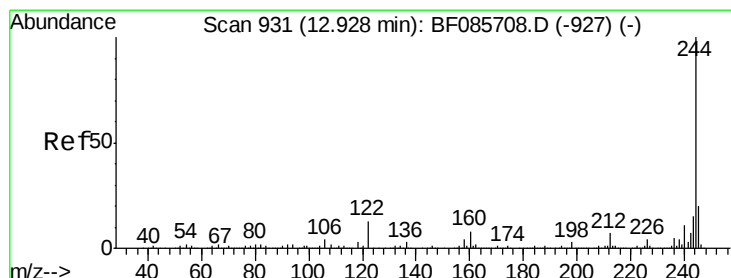
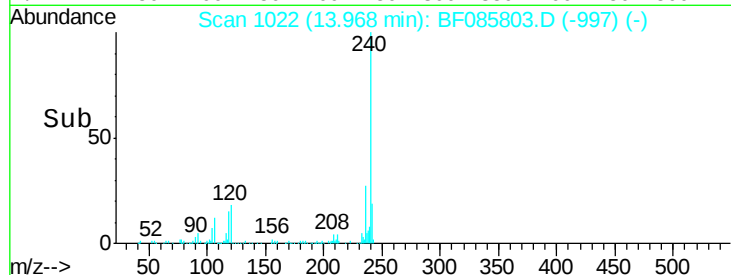
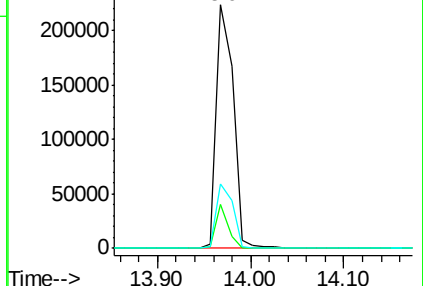
236 26.7 20.6 30.8



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



#78

Terphenyl-d14

Concen: 18.77 ng

RT: 12.92 min Scan# 930

Delta R.T. -0.01 min

Lab File: BF085803.D

Acq: 28 Mar 2016 16:00

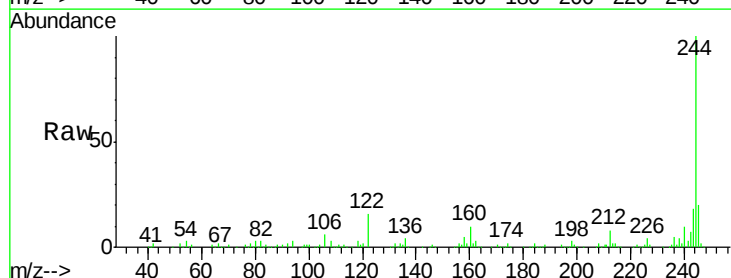
Tgt Ion:244 Resp: 256884

Ion Ratio Lower Upper

244 100

212 8.0 6.1 9.1

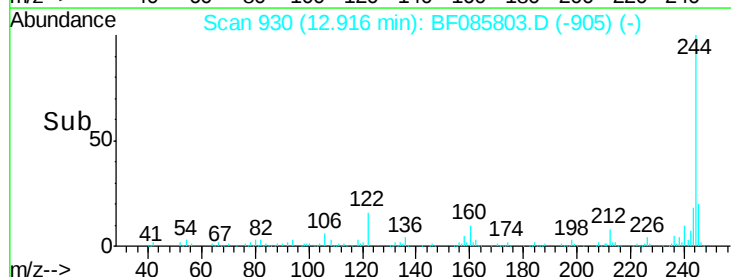
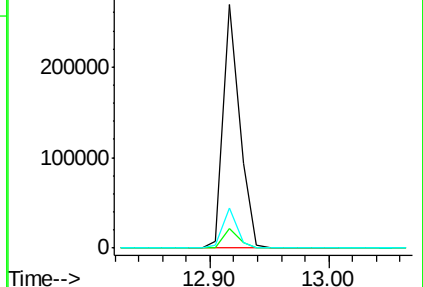
122 16.2 10.2 15.4#

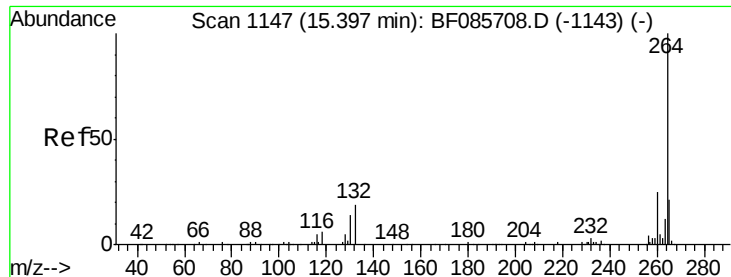


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

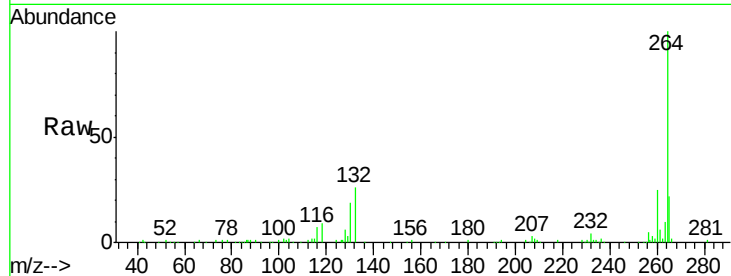




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.39 min Scan# 1146
Delta R.T. -0.01 min
Lab File: BF085803.D
Acq: 28 Mar 2016 16:00

Instrument :
BNA_F
ClientSampleId :
PT-ACIDS-WPDL:

Tgt Ion: 264 Resp: 195487
Ion Ratio Lower Upper
264 100
260 24.8 19.4 29.2
265 22.1 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

