

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032416\
 Data File : BF085757.D
 Acq On : 25 Mar 2016 12:17
 Operator : UM/SJ
 Sample : H1858-01RE
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 25 14:11:42 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 24 14:15:39 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	121223	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	430575	20.00	ng	-0.01
38) Acenaphthene-d10	9.86	164	175436	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	268368	20.00	ng	0.00
75) Chrysene-d12	13.98	240	247462	20.00	ng	0.00
86) Perylene-d12	15.40	264	209679	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	968643	133.08	ng	0.02
7) Phenol-d6	6.47	99	1259501	136.10	ng	0.01
23) Nitrobenzene-d5	7.40	82	857360	112.13	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	222733	133.63	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	1217806	115.98	ng	0.00
78) Terphenyl-d14	12.93	244	908607	75.51	ng	0.00

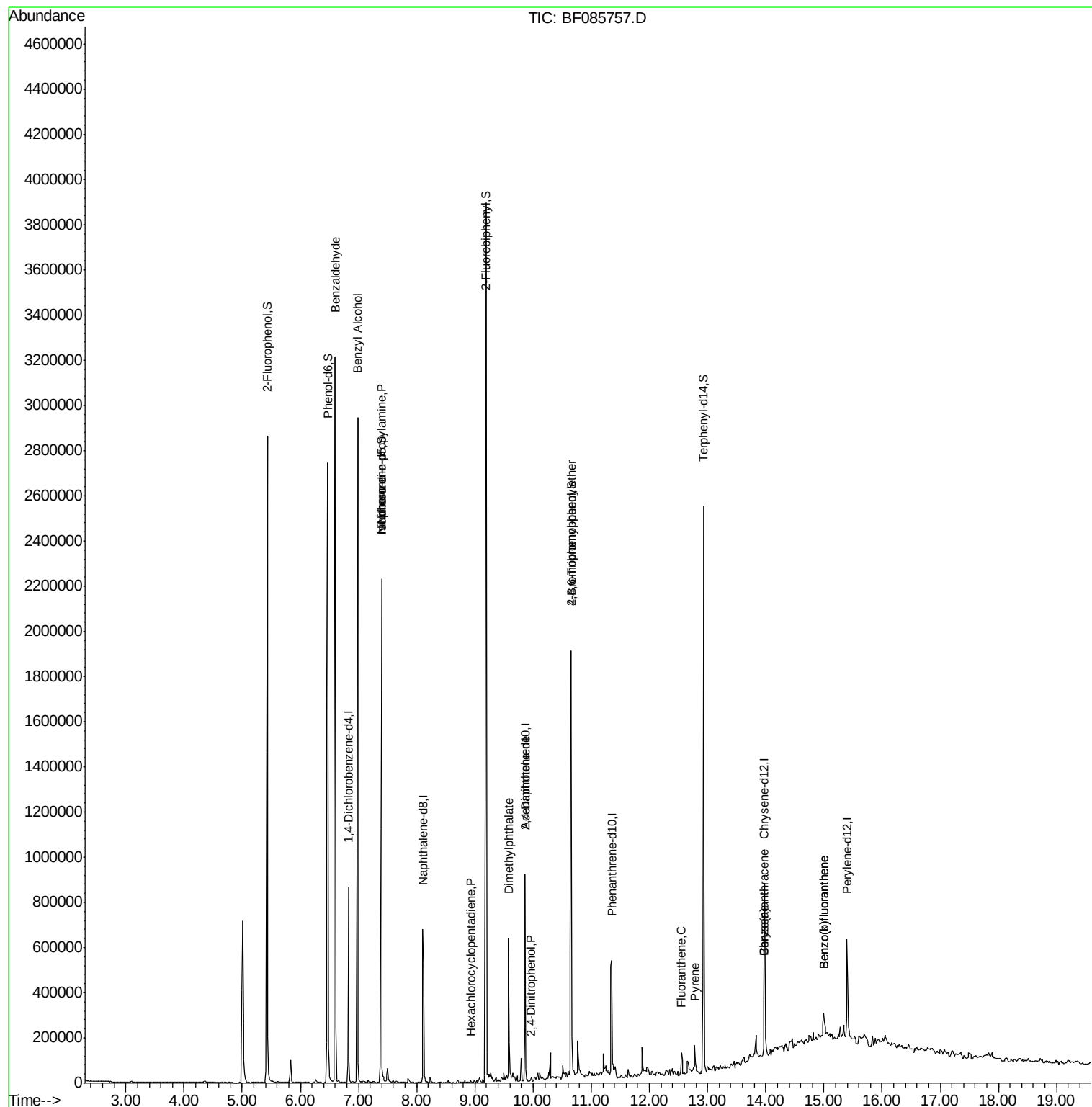
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.60	77	21356	3.83	ng	85
15) Benzyl Alcohol	6.98	79	13810	2.24	ng	# 45
19) n-Nitroso-di-n-propylamine	7.40	70	116352	21.00	ng	# 77
25) Isophorone	7.40	82	838521	56.93	ng	# 68
37) 2-Methylnaphthalene	8.82	142	3280	Below Cal		88
40) Hexachlorocyclopentadiene	8.93	237	206	9.27	ng	# 1
49) Dimethylphthalate	9.58	163	229699	17.26	ng	99
53) 2,4-Dinitrophenol	9.96	184	237	6.19	ng	# 9
56) 2,4-Dinitrotoluene	9.86	165	22586	6.20	ng	# 37
66) 4-Bromophenyl-phenylether	10.65	248	15638	5.70	ng	# 1
74) Fluoranthene	12.55	202	46564	3.18	ng	100
77) Pylene	12.78	202	52770	2.59	ng	99
80) Benzo(a)anthracene	13.97	228	30846	2.19	ng	94
82) Chrysene	13.97	228	30846	2.17	ng	97
87) Benzo(b)fluoranthene	15.00	252	67389	5.10	ng	98
88) Benzo(k)fluoranthene	15.00	252	67389	5.66	ng	# 95

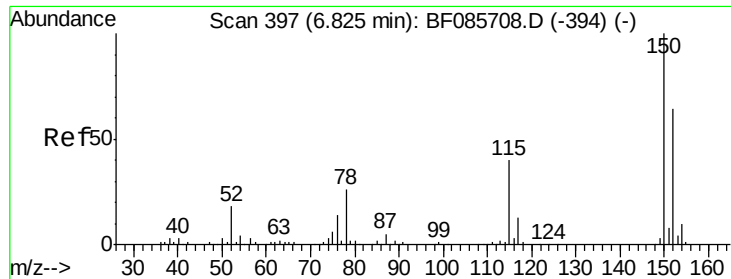
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 397

Delta R.T. -0.00 min

Lab File: BF085757.D

Acq: 25 Mar 2016 12:17

Instrument :

BNA_F

ClientSampleId :

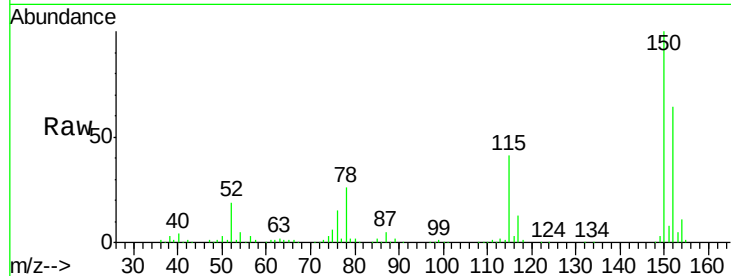
Tot Ion:152 Resp: 121223

Ion Ratio Lower Upper

152 100

150 156.8 124.2 186.2

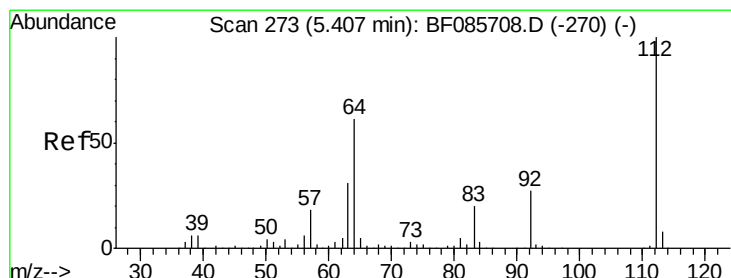
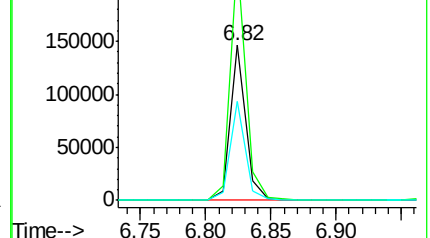
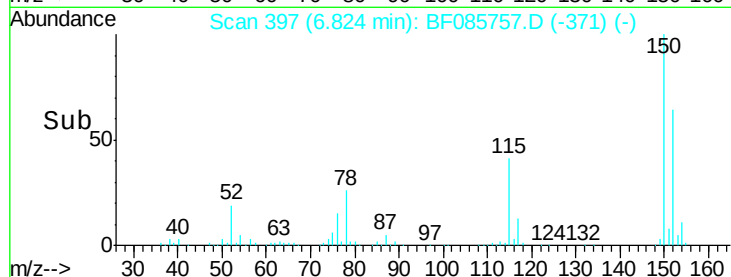
115 63.9 47.0 70.6



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: 133.08 ng

RT: 5.43 min Scan# 275

Delta R.T. 0.02 min

Lab File: BF085757.D

Acq: 25 Mar 2016 12:17

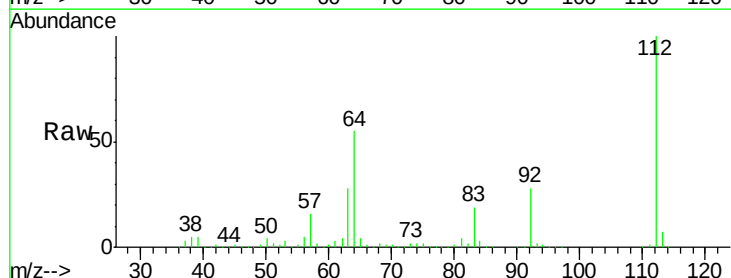
Tgt Ion:112 Resp: 968643

Ion Ratio Lower Upper

112 100

64 54.7 39.9 59.9

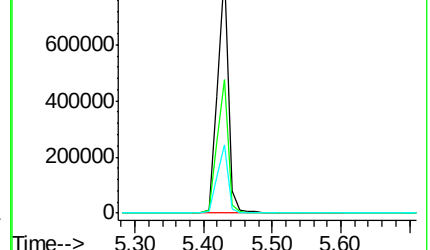
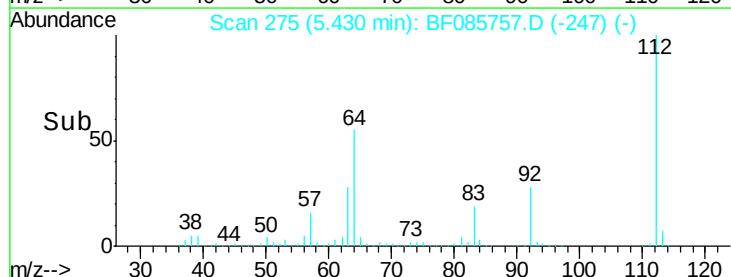
63 27.9 20.2 30.2

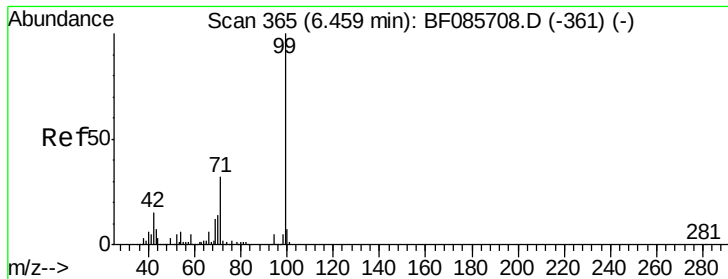


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 136.10 ng

RT: 6.47 min Scan# 366

Delta R.T. 0.01 min

Lab File: BF085757.D

Acq: 25 Mar 2016 12:17

Instrument :

BNA_F

ClientSampled :

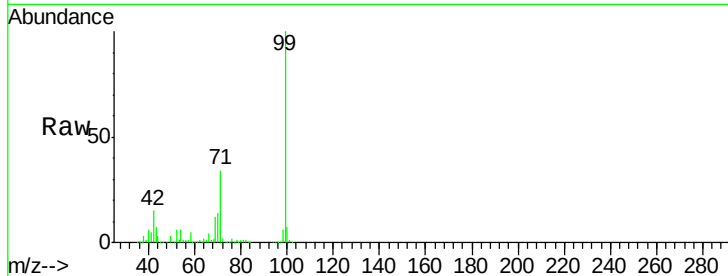
Tot Ion: 99 Resp: 1259501

Ion Ratio Lower Upper

99 100

42 15.2 11.1 16.7

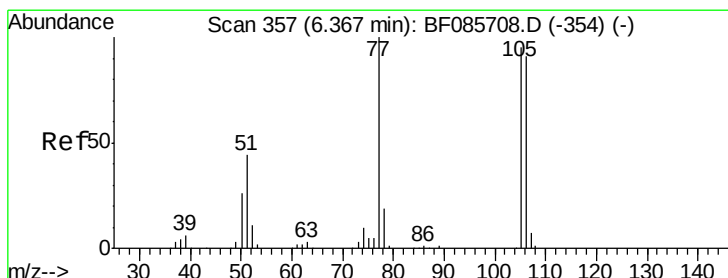
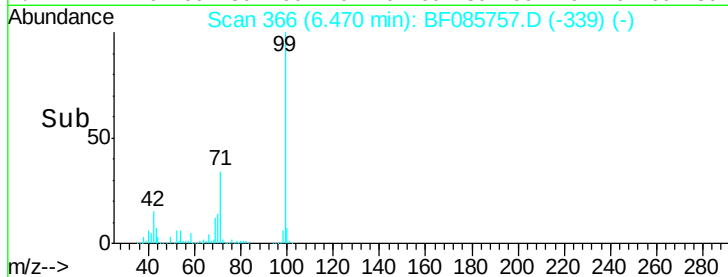
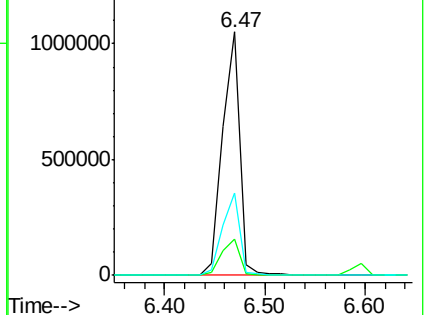
71 33.8 24.9 37.3



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



#9

Benzaldehyde

Concen: 3.83 ng

RT: 6.60 min Scan# 377

Delta R.T. 0.23 min

Lab File: BF085757.D

Acq: 25 Mar 2016 12:17

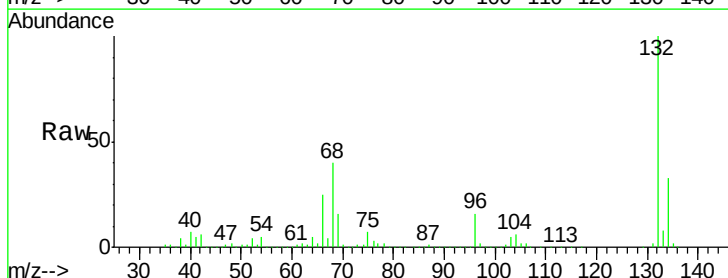
Tgt Ion: 77 Resp: 21356

Ion Ratio Lower Upper

77 100

105 84.5 80.1 120.1

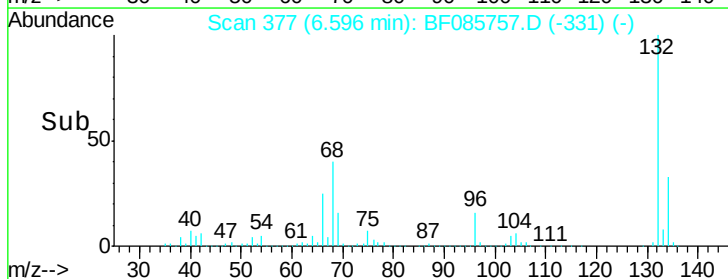
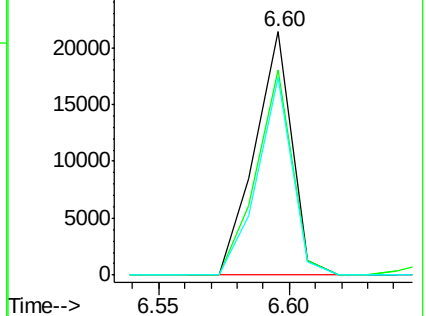
106 80.9 75.0 115.0

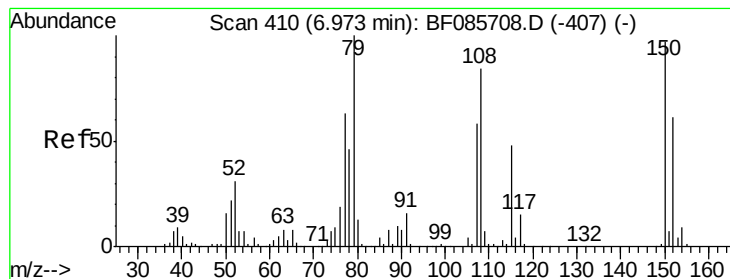


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0





#15

Benzyl Alcohol

Concen: 2.24 ng

RT: 6.98 min Scan# 411

Delta R.T. 0.01 min

Lab File: BF085757.D

Acq: 25 Mar 2016 12:17

Instrument :

BNA_F

ClientSampleId :

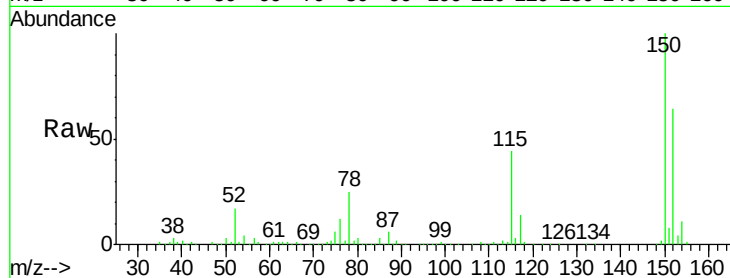
Tot Ion: 79 Resp: 13810

Ion Ratio Lower Upper

79 100

108 32.8 61.8 92.6#

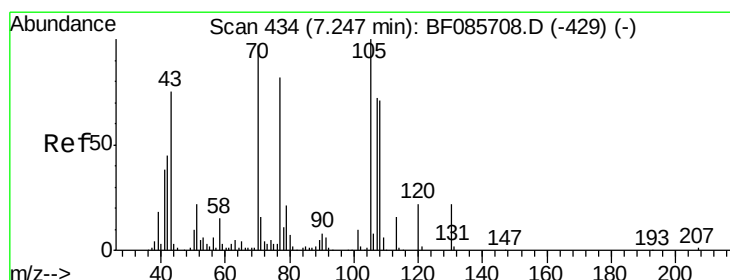
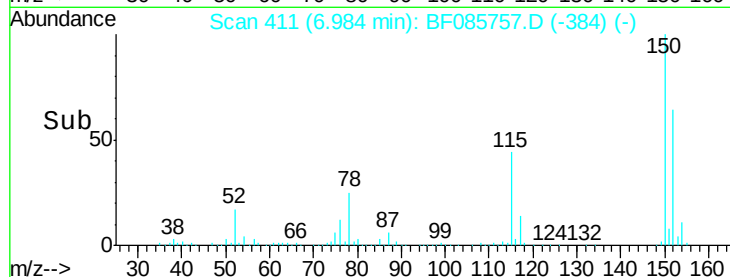
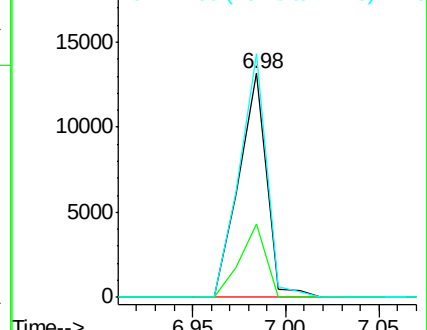
77 108.6 49.6 74.4#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 21.00 ng

RT: 7.40 min Scan# 447

Delta R.T. 0.15 min

Lab File: BF085757.D

Acq: 25 Mar 2016 12:17

Tgt Ion: 70 Resp: 116352

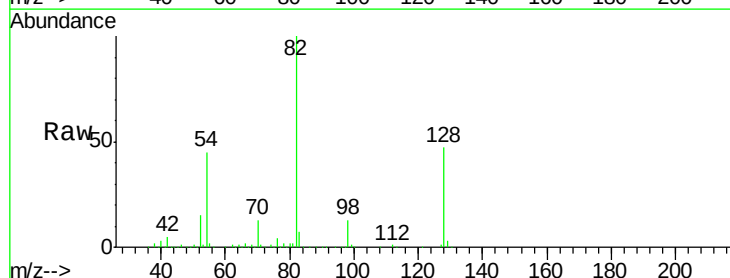
Ion Ratio Lower Upper

70 100

42 39.0 37.1 55.7

101 0.0 8.6 12.8#

130 2.4 19.6 29.4#

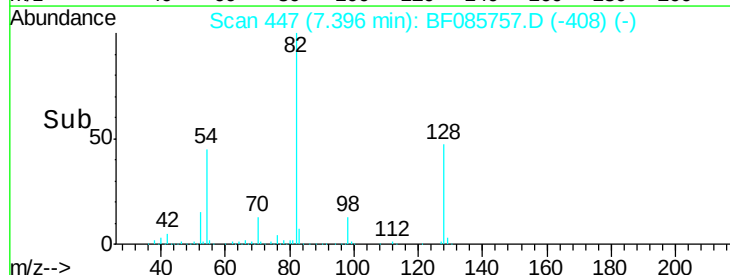
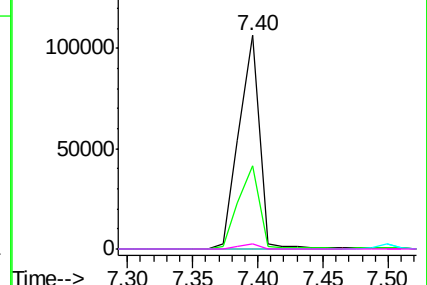


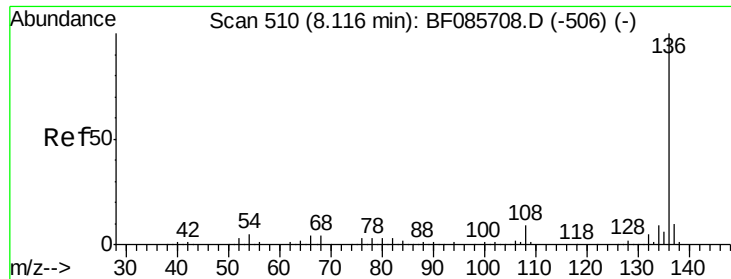
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

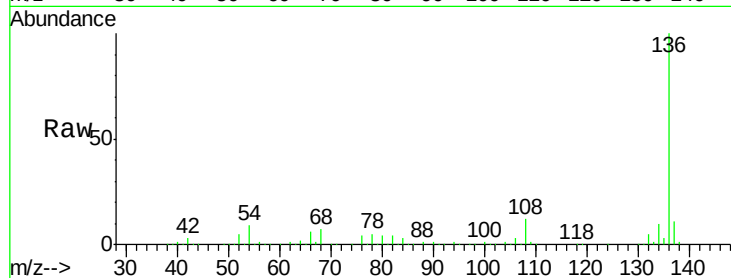




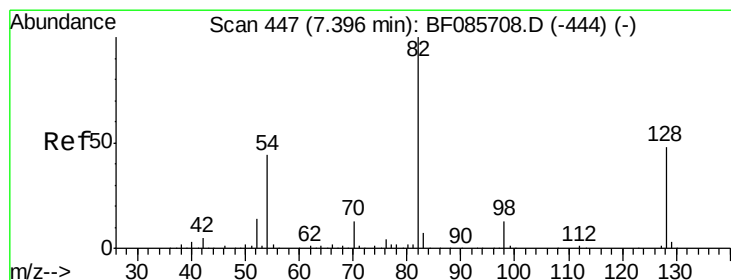
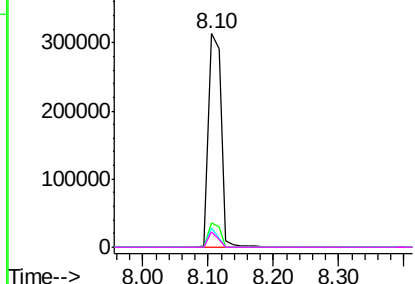
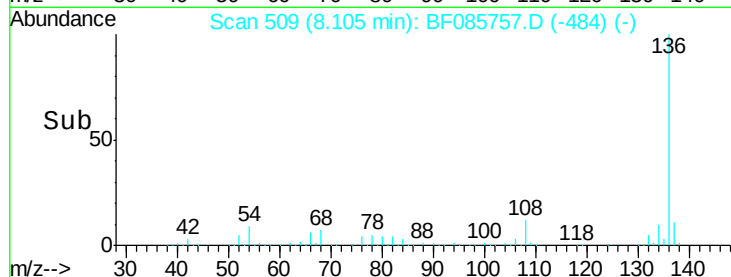
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 509
Delta R.T. -0.01 min
Lab File: BF085757.D
Acq: 25 Mar 2016 12:17

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	430575
Ion Ratio	Lower	Upper
136	100	
137	11.4	9.1 13.7
54	9.2	7.4 11.0
68	7.4	5.8 8.8

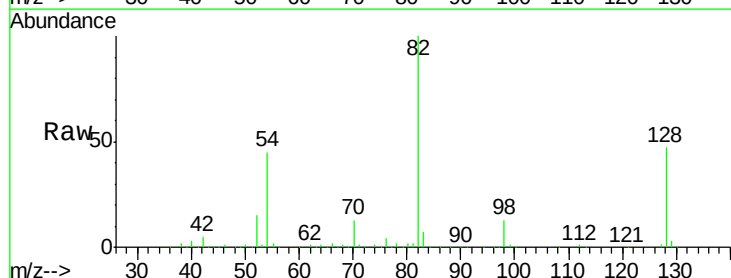


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

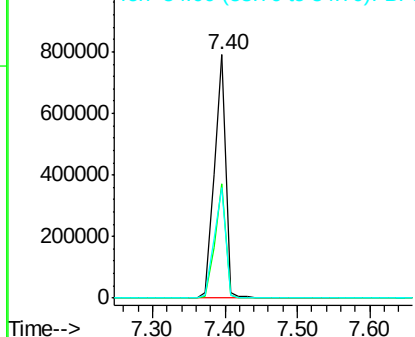
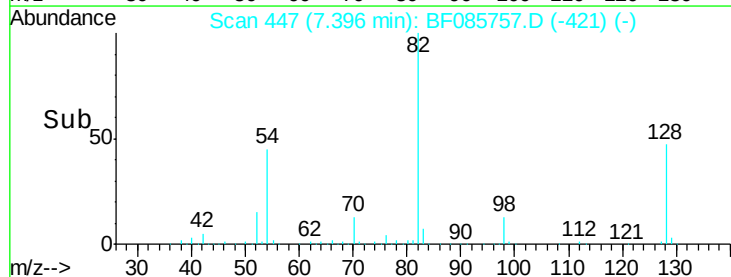


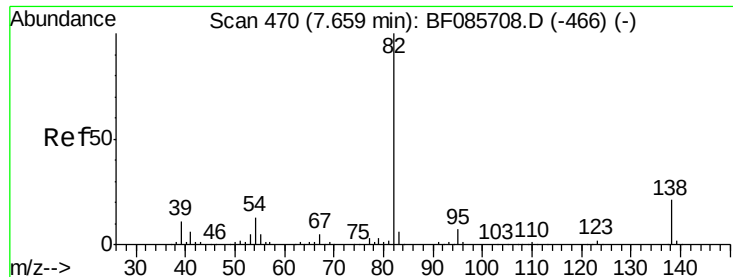
#23
Nitrobenzene-d5
Concen: 112.13 ng
RT: 7.40 min Scan# 447
Delta R.T. -0.00 min
Lab File: BF085757.D
Acq: 25 Mar 2016 12:17

Tgt Ion: 82	Resp:	857360
Ion Ratio	Lower	Upper
82	100	
128	47.2	41.8 62.8
54	45.1	33.4 50.0



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





#25

Isophorone

Concen: 56.93 ng

RT: 7.40 min Scan# 447

Delta R.T. -0.26 min

Lab File: BF085757.D

Acq: 25 Mar 2016 12:17

Instrument :

BNA_F

ClientSampleId :

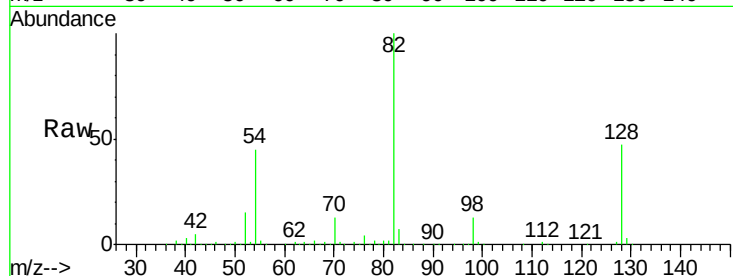
Tot Ion: 82 Resp: 838521

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

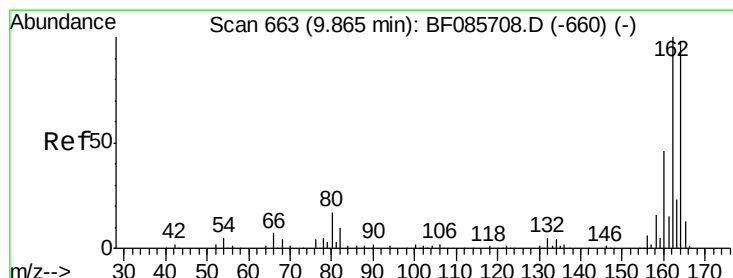
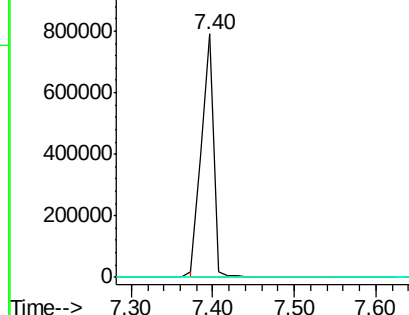
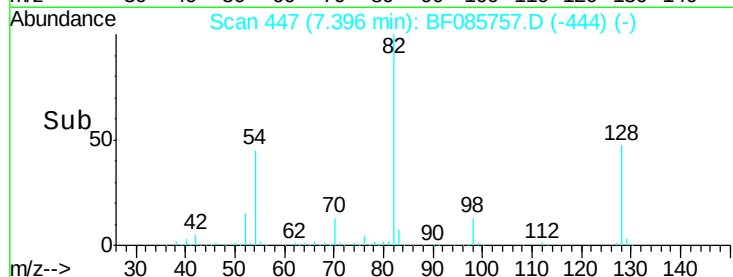
138 0.0 12.9 19.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.86 min Scan# 663

Delta R.T. -0.00 min

Lab File: BF085757.D

Acq: 25 Mar 2016 12:17

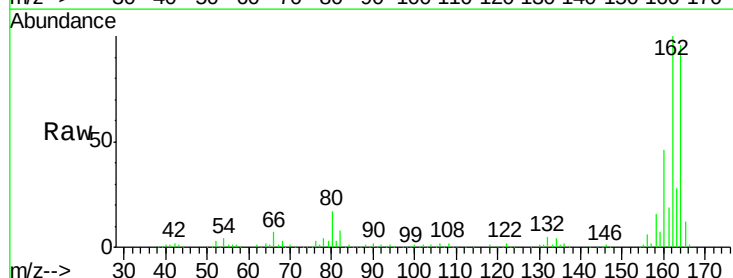
Tgt Ion:164 Resp: 175436

Ion Ratio Lower Upper

164 100

162 104.2 82.1 123.1

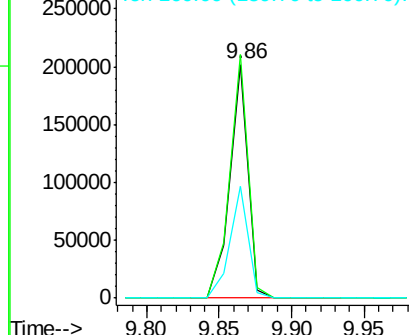
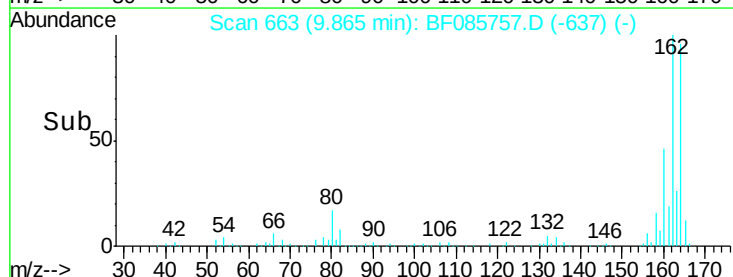
160 47.6 37.4 56.2

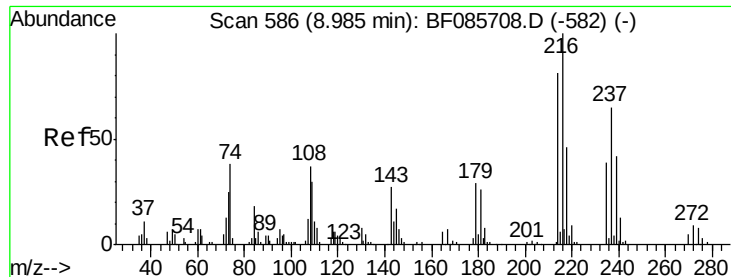


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#40

Hexachlorocyclopentadiene

Concen: 9.27 ng

RT: 8.93 min Scan# 581

Delta R.T. -0.06 min

Lab File: BF085757.D

Acq: 25 Mar 2016 12:17

Instrument :

BNA_F

ClientSampleId :

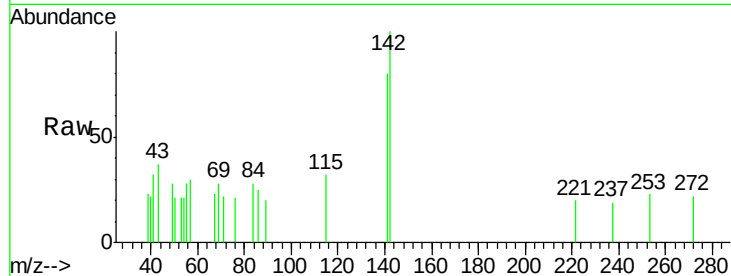
Tot Ion:237 Resp: 206

Ion Ratio Lower Upper

237 100

235 0.0 43.7 83.7#

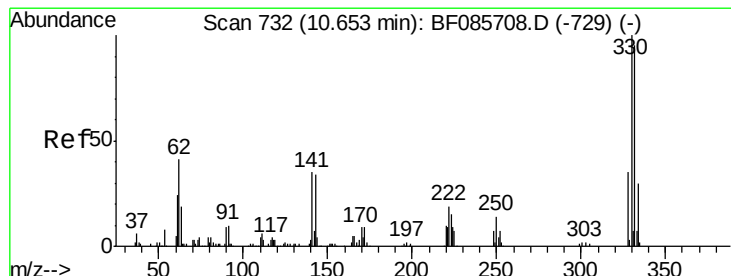
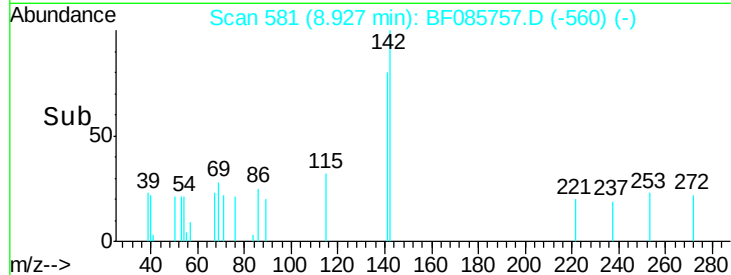
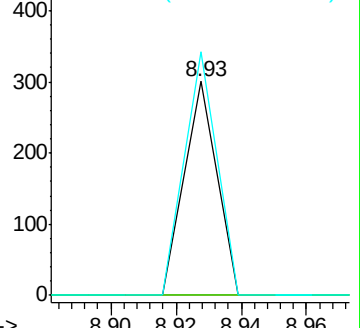
272 113.6 0.0 31.9#



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



#41

2,4,6-Tribromophenol

Concen: 133.63 ng

RT: 10.65 min Scan# 732

Delta R.T. -0.00 min

Lab File: BF085757.D

Acq: 25 Mar 2016 12:17

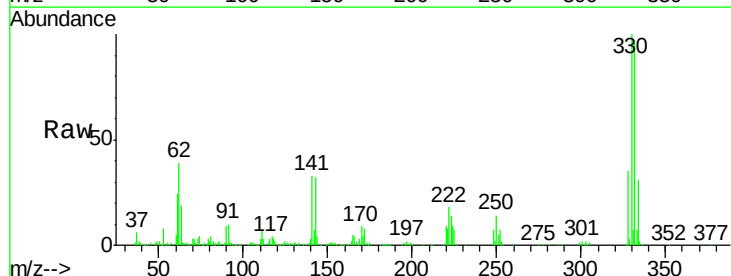
Tgt Ion:330 Resp: 222733

Ion Ratio Lower Upper

330 100

332 95.5 78.2 117.2

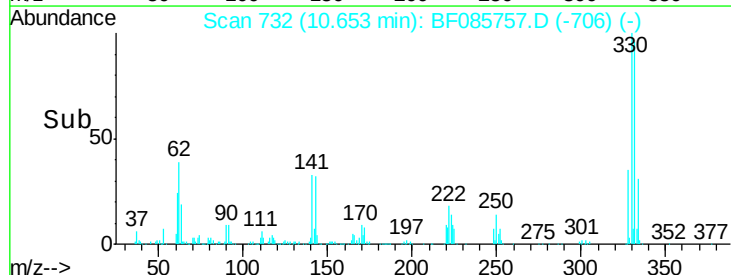
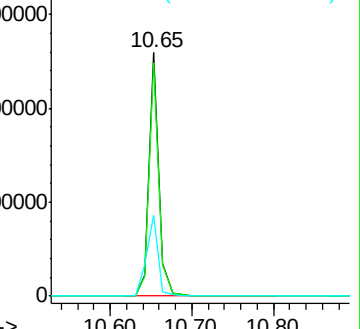
141 40.0 31.5 47.3

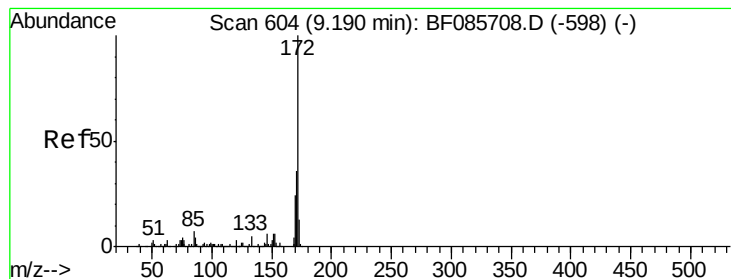


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 115.98 ng

RT: 9.19 min Scan# 604

Delta R.T. -0.00 min

Lab File: BF085757.D

Acq: 25 Mar 2016 12:17

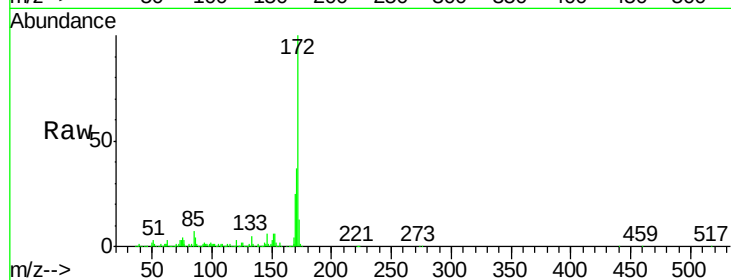
Instrument :

BNA_F

ClientSampleId :

Tot Ion:172 Resp: 1217806

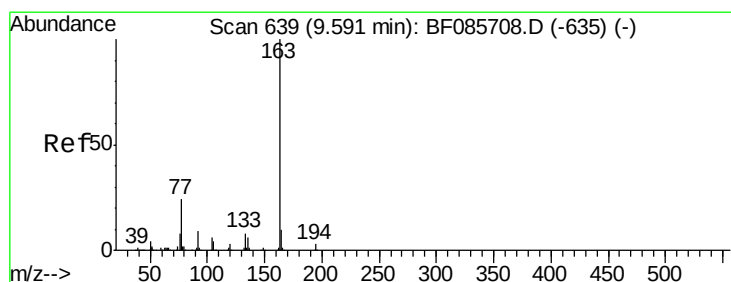
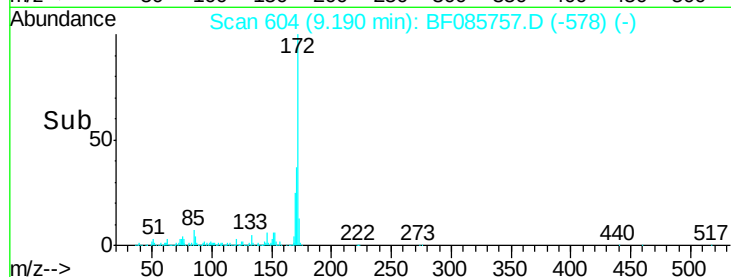
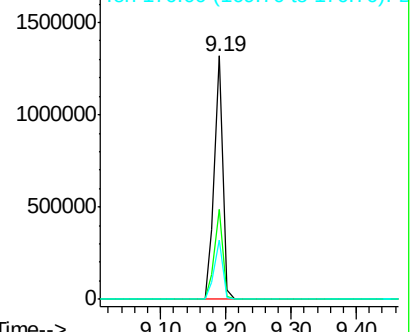
Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.4	44.2
170	24.6	19.8	29.6



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



#49

Dimethylphthalate

Concen: 17.26 ng

RT: 9.58 min Scan# 638

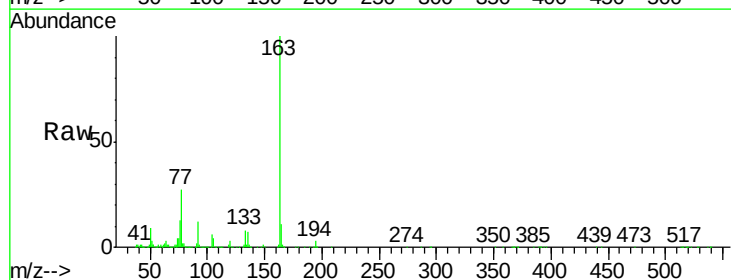
Delta R.T. -0.01 min

Lab File: BF085757.D

Acq: 25 Mar 2016 12:17

Tgt Ion:163 Resp: 229699

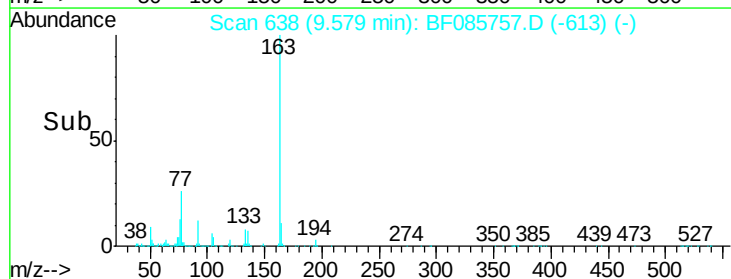
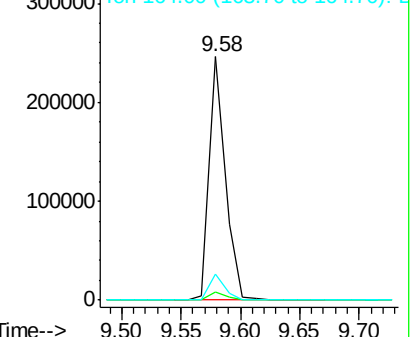
Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.9	4.3
164	10.6	8.3	12.5

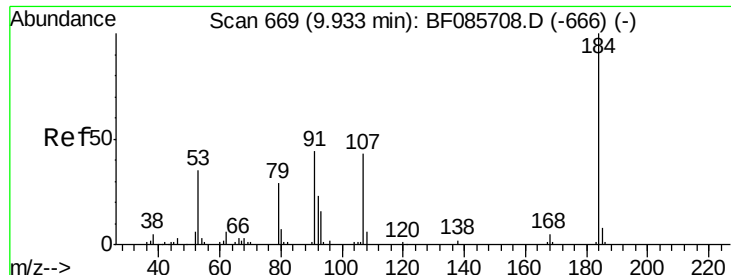


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

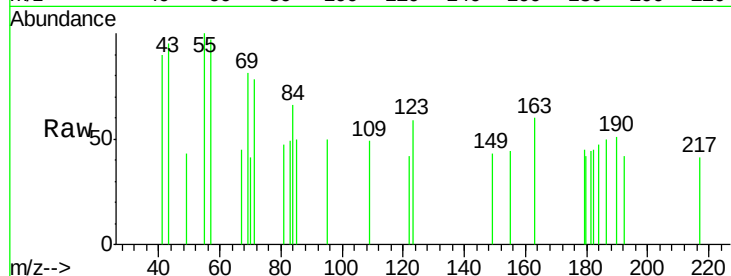




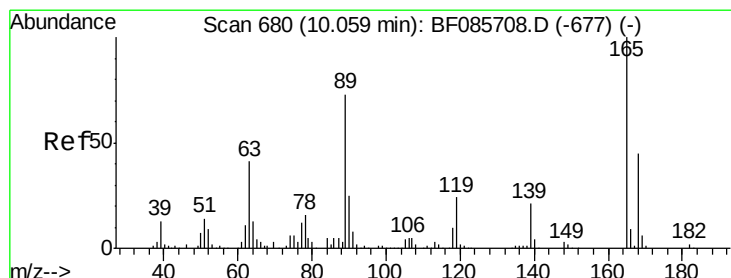
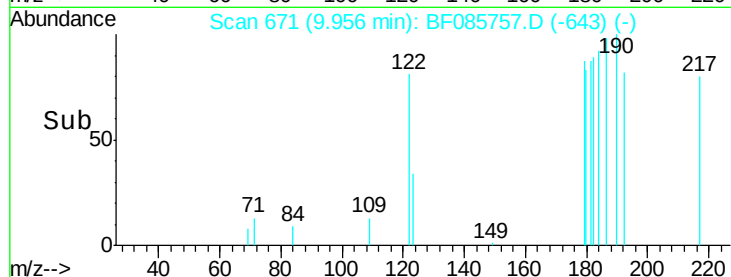
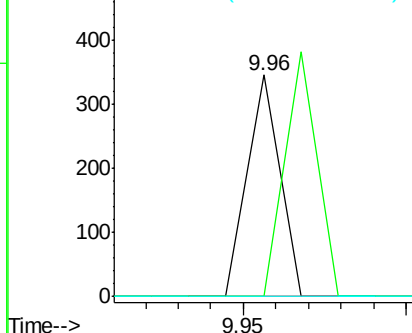
#53
2,4-Dinitrophenol
Concen: 6.19 ng
RT: 9.96 min Scan# 671
Delta R.T. 0.02 min
Lab File: BF085757.D
Acq: 25 Mar 2016 12:17

Instrument :
BNA_F
ClientSampled :

Tot Ion:184 Resp: 237
Ion Ratio Lower Upper
184 100
63 0.0 69.5 104.3#
154 0.0 58.3 87.5#

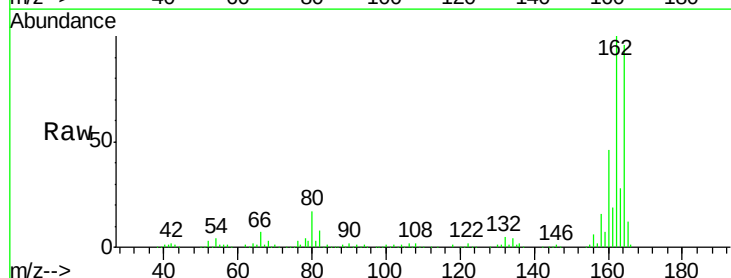


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

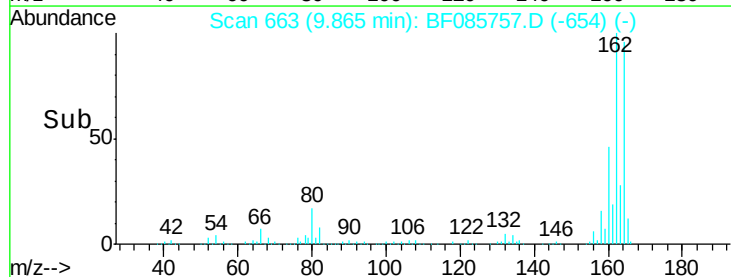
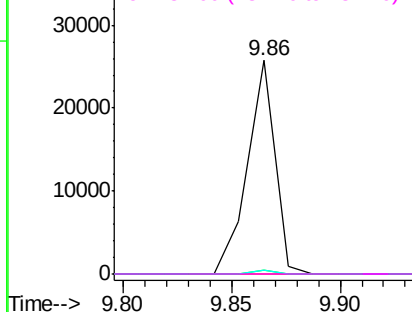


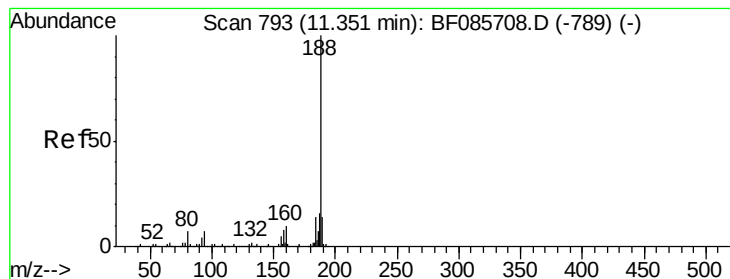
#56
2,4-Dinitrotoluene
Concen: 6.20 ng
RT: 9.86 min Scan# 663
Delta R.T. -0.19 min
Lab File: BF085757.D
Acq: 25 Mar 2016 12:17

Tgt Ion:165 Resp: 22586
Ion Ratio Lower Upper
165 100
63 1.6 24.9 37.3#
89 1.9 41.0 61.6#
182 0.0 2.1 3.1#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.35 min Scan# 793

Delta R.T. -0.00 min

Lab File: BF085757.D

Acq: 25 Mar 2016 12:17

Instrument :

BNA_F

ClientSampled :

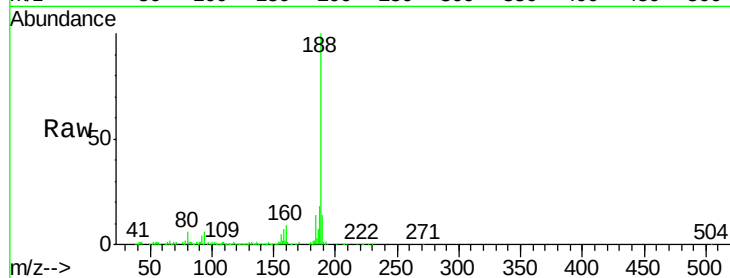
Tot Ion:188 Resp: 268368

Ion Ratio Lower Upper

188 100

94 6.3 5.4 8.0

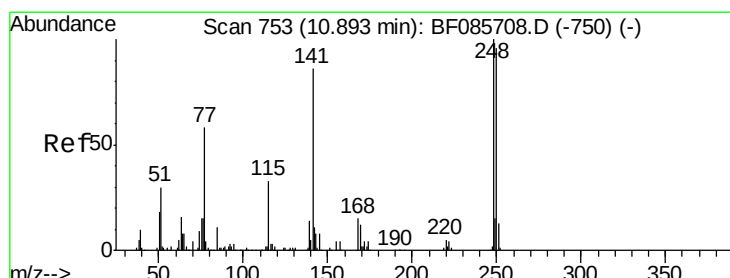
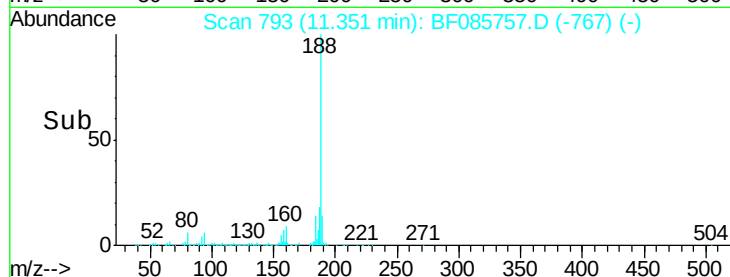
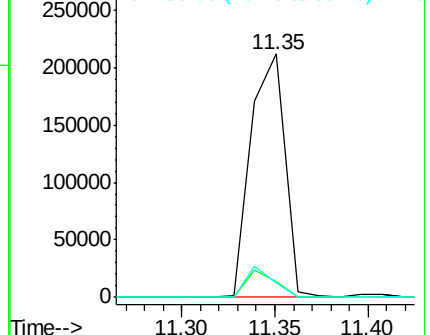
80 6.0 5.5 8.3



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



#66

4-Bromophenyl-phenylether

Concen: 5.70 ng

RT: 10.65 min Scan# 732

Delta R.T. -0.24 min

Lab File: BF085757.D

Acq: 25 Mar 2016 12:17

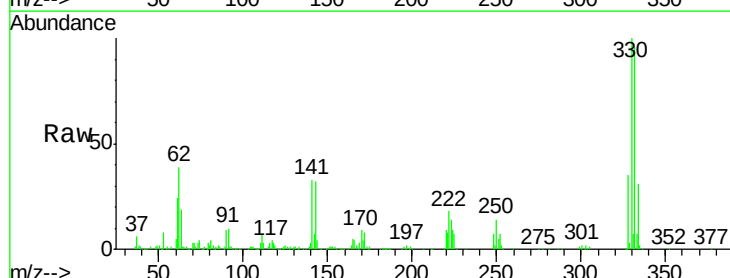
Tgt Ion:248 Resp: 15638

Ion Ratio Lower Upper

248 100

250 202.1 77.4 116.0#

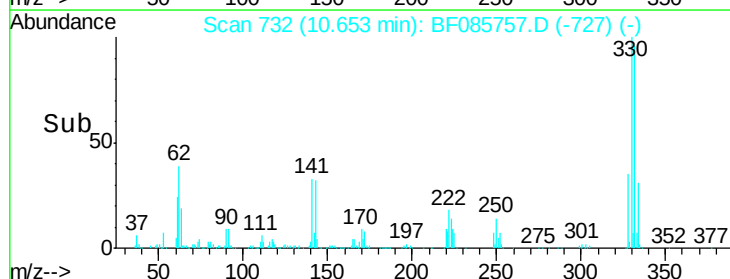
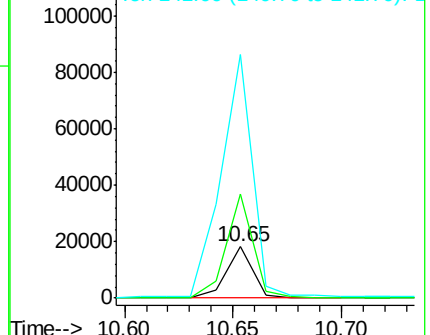
141 472.9 63.6 95.4#

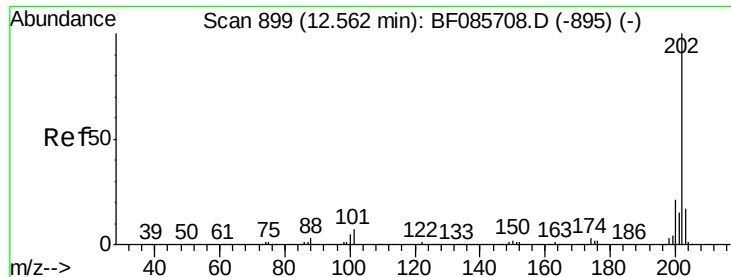


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

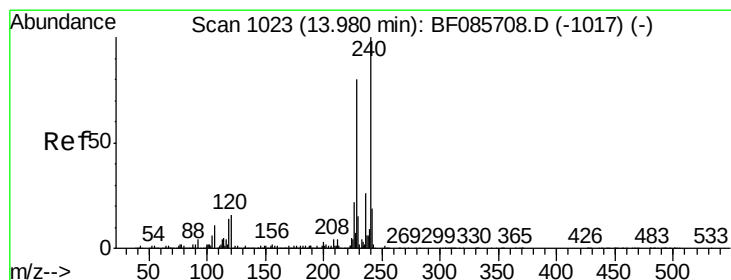
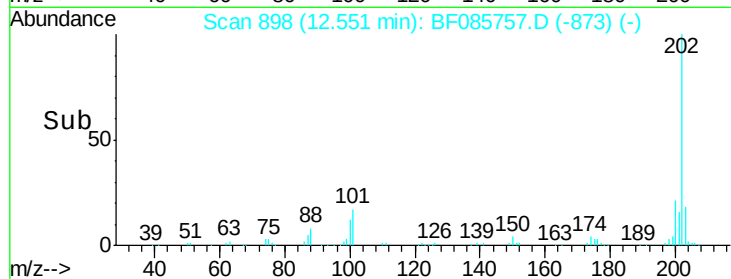
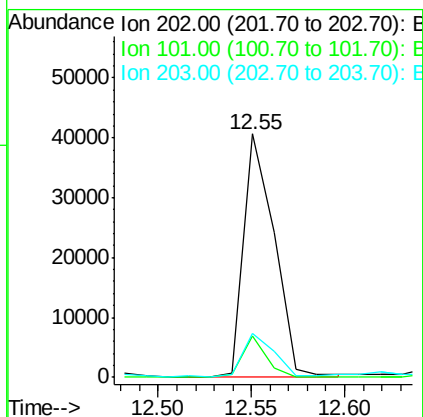
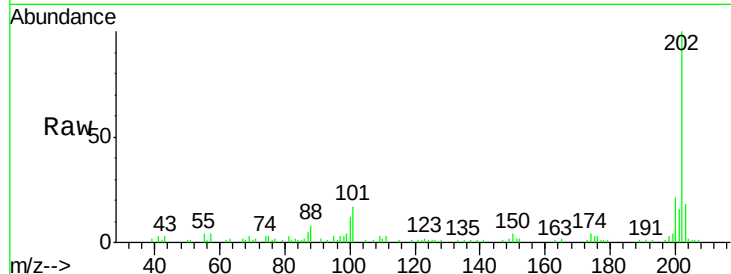




#74
 Fluoranthene
 Concen: 3.18 ng
 RT: 12.55 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: BF085757.D
 Acq: 25 Mar 2016 12:17

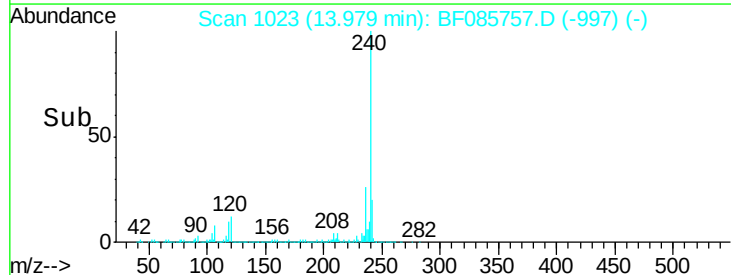
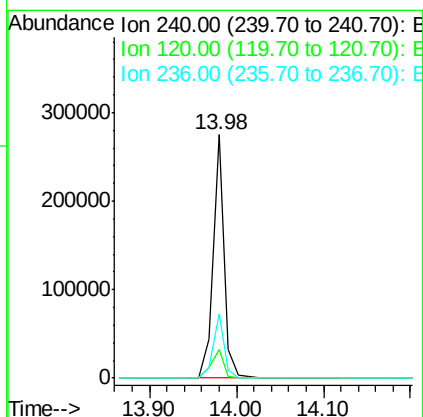
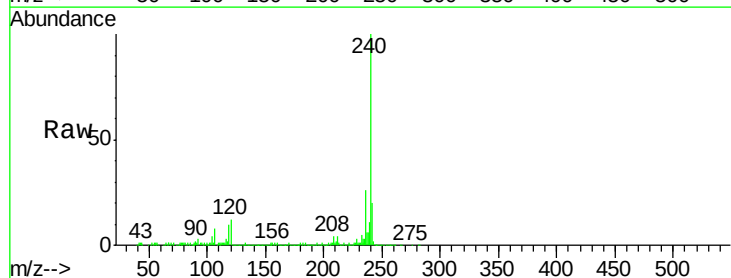
Instrument :
 BNA_F
 ClientSampled :

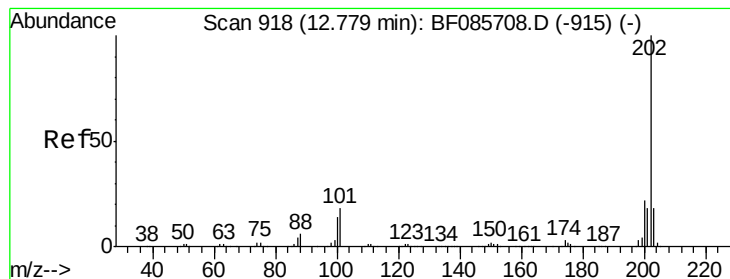
Tot Ion:202 Resp: 46564
 Ion Ratio Lower Upper
 202 100
 101 16.8 0.0 36.6
 203 18.0 0.0 38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.98 min Scan# 1023
 Delta R.T. -0.00 min
 Lab File: BF085757.D
 Acq: 25 Mar 2016 12:17

Tgt Ion:240 Resp: 247462
 Ion Ratio Lower Upper
 240 100
 120 11.9 13.8 20.8#
 236 26.4 20.6 30.8





#77

Pvrene

Concen: 2.59 ng

RT: 12.78 min Scan# 918

Delta R.T. -0.00 min

Lab File: BF085757.D

Acq: 25 Mar 2016 12:17

Instrument :

BNA_F

ClientSampleId :

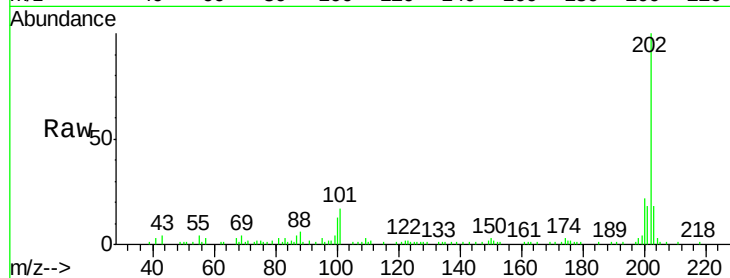
Tot Ion:202 Resp: 52770

Ion Ratio Lower Upper

202 100

200 21.8 17.6 26.4

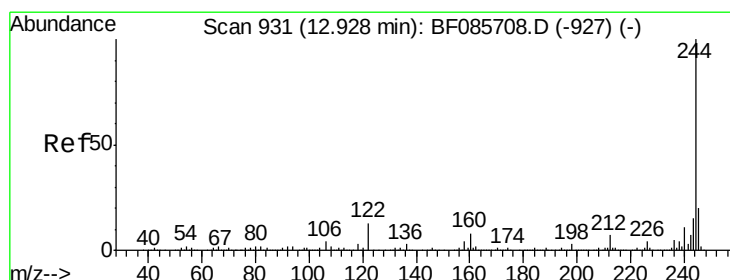
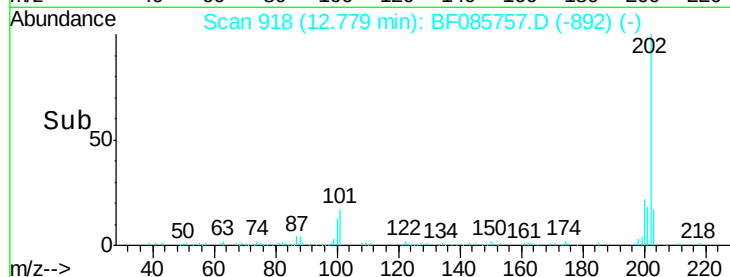
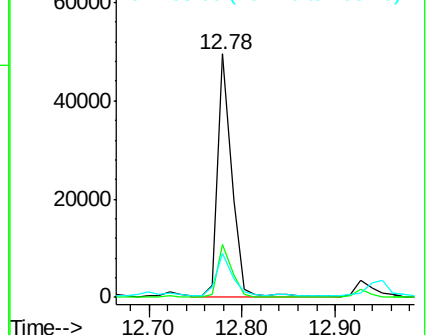
203 17.8 14.0 21.0



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



#78

Terphenyl-d14

Concen: 75.51 ng

RT: 12.93 min Scan# 931

Delta R.T. -0.00 min

Lab File: BF085757.D

Acq: 25 Mar 2016 12:17

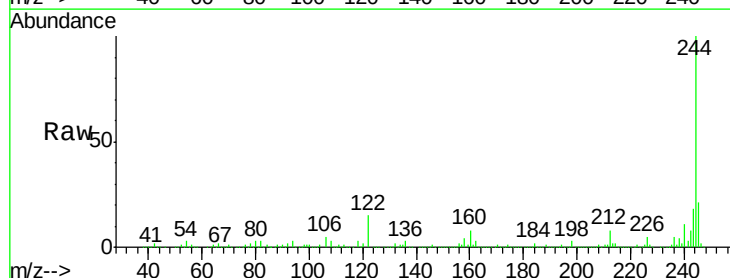
Tgt Ion:244 Resp: 908607

Ion Ratio Lower Upper

244 100

212 7.8 6.1 9.1

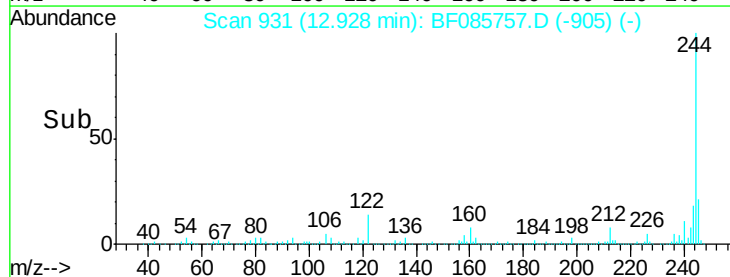
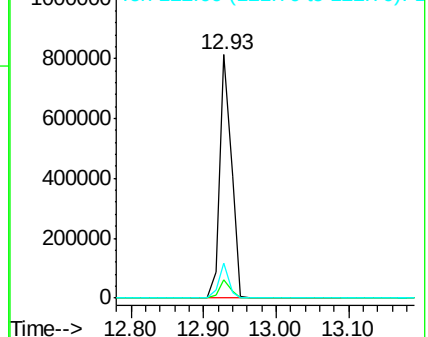
122 14.5 10.2 15.4

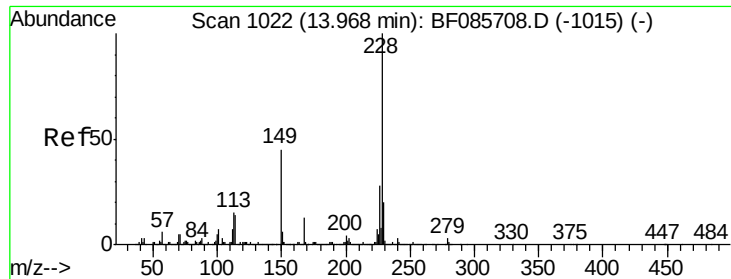


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

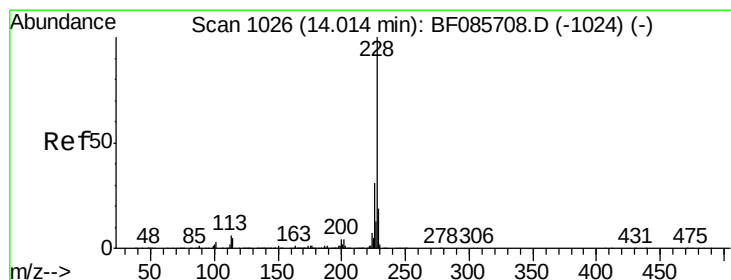
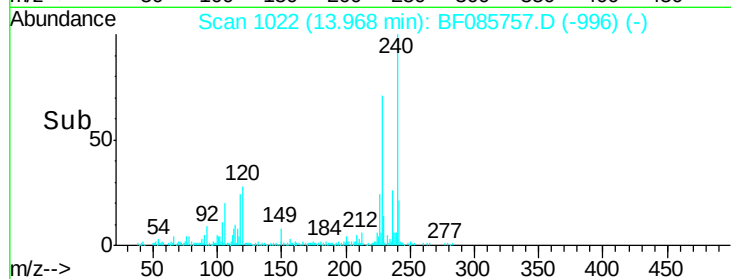
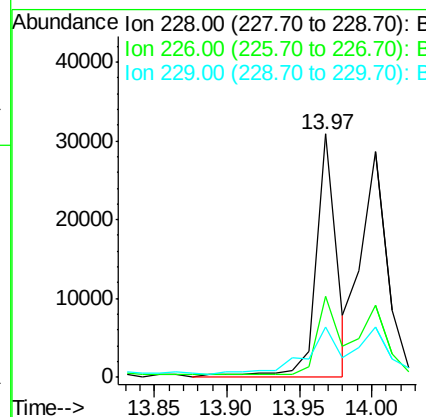
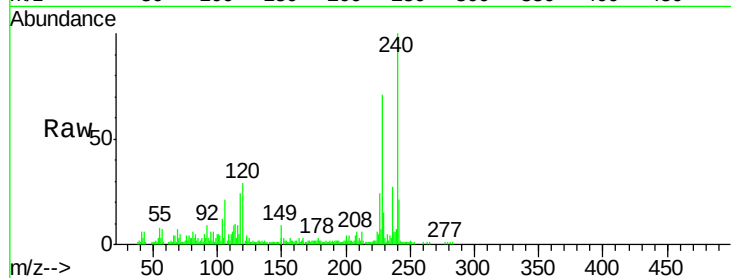




#80
Benzo(a)anthracene
Concen: 2.19 ng
RT: 13.97 min Scan# 1022
Delta R.T. -0.00 min
Lab File: BF085757.D
Acq: 25 Mar 2016 12:17

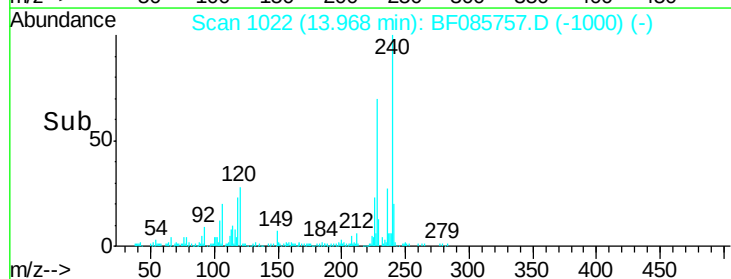
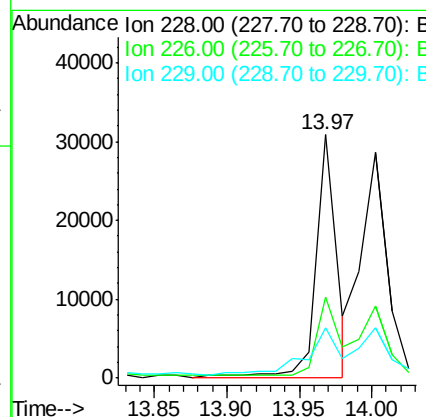
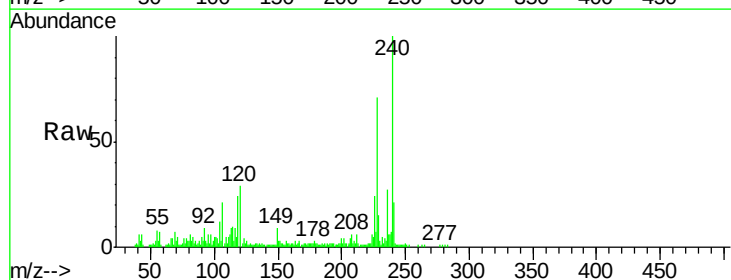
Instrument :
BNA_F
ClientSampleId :

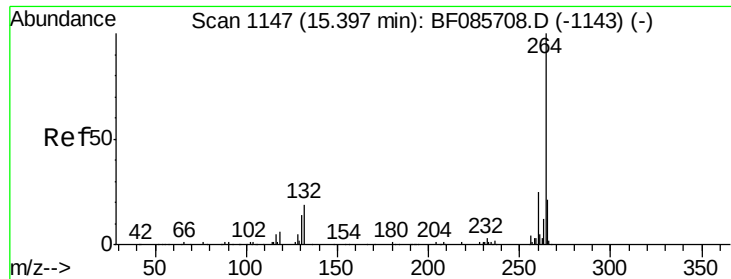
Tot Ion:228 Resp: 30846
Ion Ratio Lower Upper
228 100
226 33.1 22.1 33.1
229 20.5 16.2 24.4



#82
Chrysene
Concen: 2.17 ng
RT: 13.97 min Scan# 1022
Delta R.T. -0.05 min
Lab File: BF085757.D
Acq: 25 Mar 2016 12:17

Tgt Ion:228 Resp: 30846
Ion Ratio Lower Upper
228 100
226 33.1 25.0 37.6
229 20.5 15.7 23.5

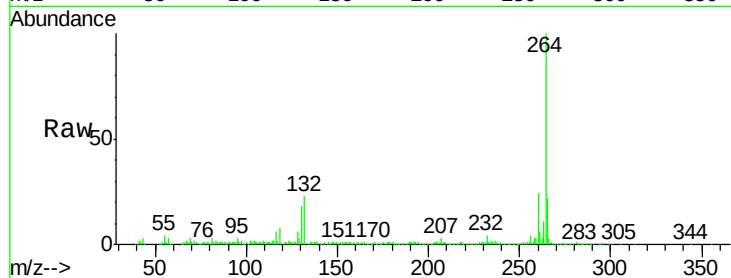




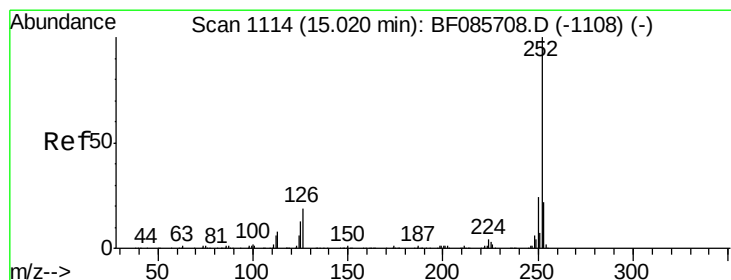
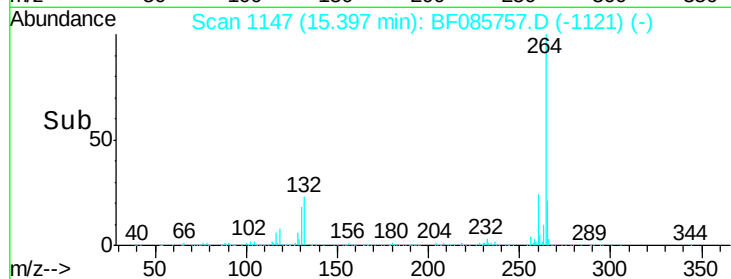
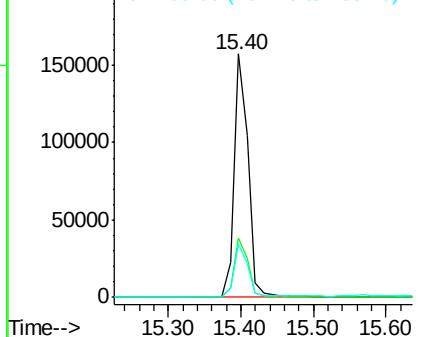
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.40 min Scan# 1147
Delta R.T. -0.00 min
Lab File: BF085757.D
Acq: 25 Mar 2016 12:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 209679
Ion Ratio Lower Upper
264 100
260 24.2 19.4 29.2
265 21.5 17.2 25.8

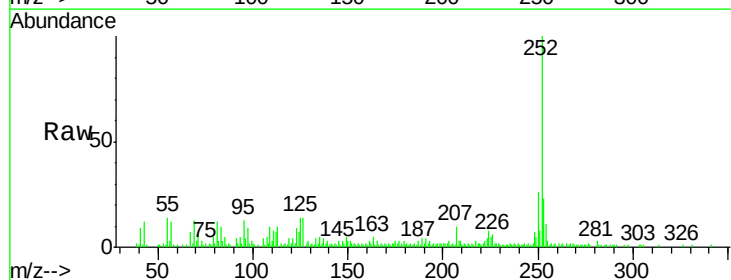


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

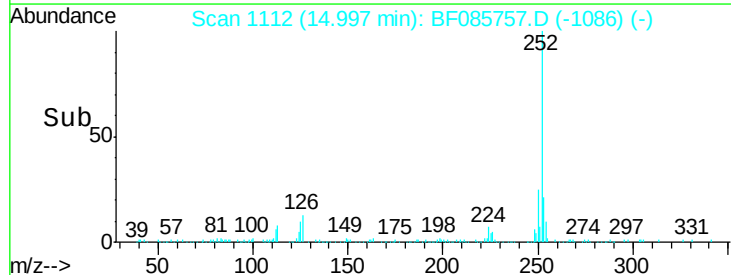
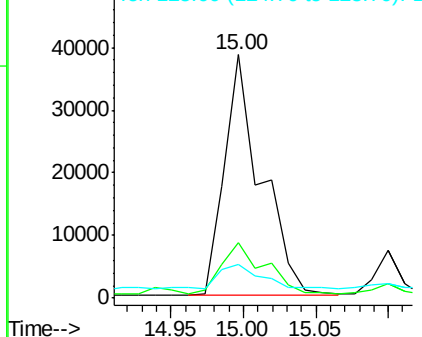


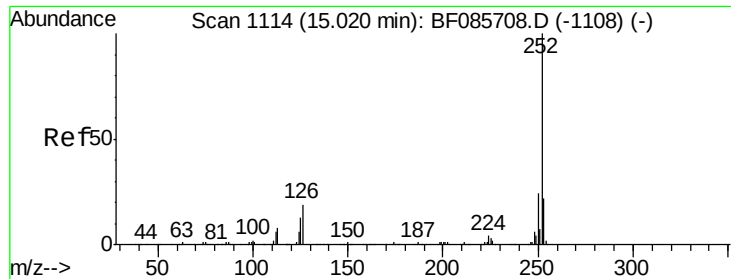
#87
Benzo(b)fluoranthene
Concen: 5.10 ng
RT: 15.00 min Scan# 1112
Delta R.T. -0.00 min
Lab File: BF085757.D
Acq: 25 Mar 2016 12:17

Tgt Ion:252 Resp: 67389
Ion Ratio Lower Upper
252 100
253 22.9 17.6 26.4
125 13.8 10.3 15.5



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





#88

Benzo(k)fluoranthene

Concen: 5.66 ng

RT: 15.00 min Scan# 1112

Delta R.T. -0.02 min

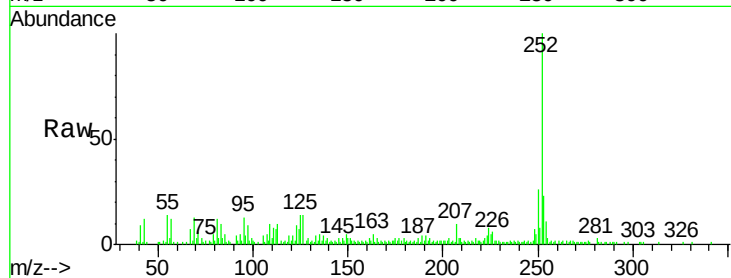
Lab File: BF085757.D

Acq: 25 Mar 2016 12:17

Instrument :

BNA_F

ClientSampleId :



Tot Ion:	252	Resp:	67389
Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.6
125	13.8	7.7	11.5

