

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032916\
 Data File : BF085860.D
 Acq On : 29 Mar 2016 20:33
 Operator : UM/SJ
 Sample : H1970-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Quant Time: Mar 29 23:52:42 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 15:27:05 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	111148	20.00	ng	-0.02
21) Naphthalene-d8	8.09	136	448705	20.00	ng	-0.02
38) Acenaphthene-d10	9.84	164	204003	20.00	ng	-0.02
63) Phenanthrene-d10	11.33	188	380400	20.00	ng	-0.02
75) Chrysene-d12	13.97	240	228634	20.00	ng	-0.01
86) Perylene-d12	15.39	264	207947	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	751915	112.67	ng	0.00
7) Phenol-d6	6.45	99	950110	111.97	ng	-0.01
23) Nitrobenzene-d5	7.37	82	599634	75.26	ng	-0.02
41) 2,4,6-Tribromophenol	10.63	330	188479	97.24	ng	-0.02
44) 2-Fluorobiphenyl	9.17	172	746586	61.14	ng	-0.02
78) Terphenyl-d14	12.92	244	525981	47.31	ng	-0.01

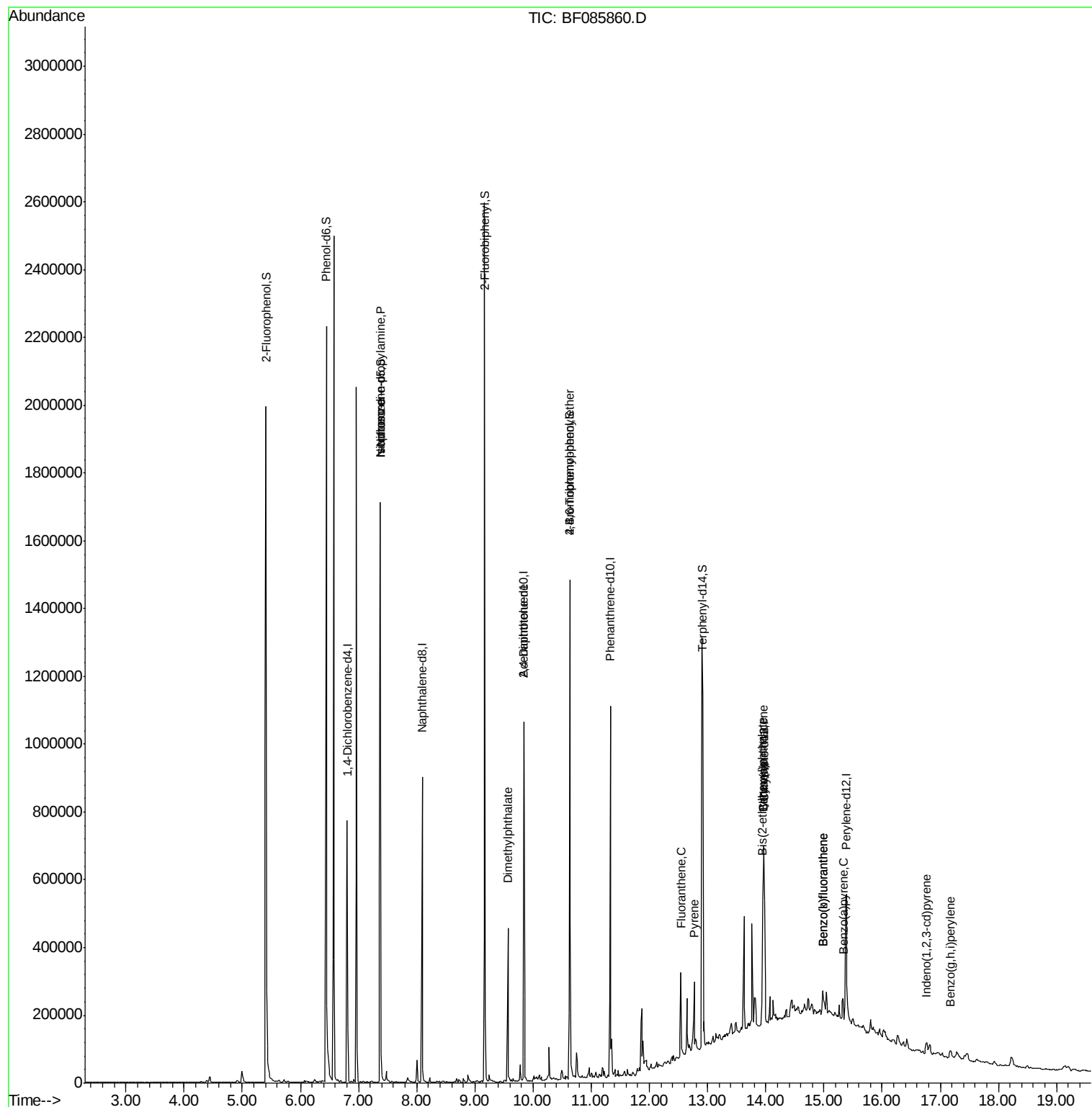
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.37	70	79692	15.69	ng	# 77
25) Isophorone	7.37	82	456181	29.72	ng	# 68
37) 2-Methylnaphthalene	8.80	142	1075	Below Cal		# 86
49) Dimethylphthalate	9.57	163	209227	13.52	ng	99
56) 2,4-Dinitrotoluene	9.84	165	25695	6.07	ng	# 37
66) 4-Bromophenyl-phenylether	10.63	248	12507	3.21	ng	# 1
74) Fluoranthene	12.54	202	102564	4.94	ng	91
77) Pyrene	12.77	202	90592	4.82	ng	98
80) Benzo(a)anthracene	13.96	228	43447	3.33	ng	96
82) Chrysene	13.96	228	43447	3.31	ng	97
83) Bis(2-ethylhexyl)phthalate	13.95	149	93411	9.91	ng	# 98
85) Indeno(1,2,3-cd)pyrene	16.77	276	21306	2.10	ng	94
87) Benzo(b)fluoranthene	14.99	252	52945	4.04	ng	# 91
88) Benzo(k)fluoranthene	14.99	252	52945	4.48	ng	# 89
89) Benzo(a)pyrene	15.33	252	29190	2.51	ng	# 94
91) Benzo(g,h,i)perylene	17.18	276	22642	2.07	ng	97

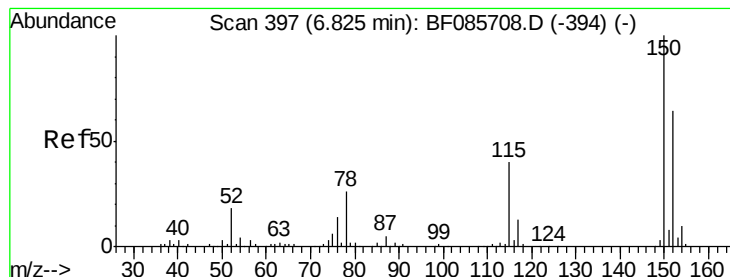
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 395

Delta R.T. -0.02 min

Lab File: BF085860.D

Acq: 29 Mar 2016 20:33

Instrument :

BNA_F

ClientSampleId :

TP-1

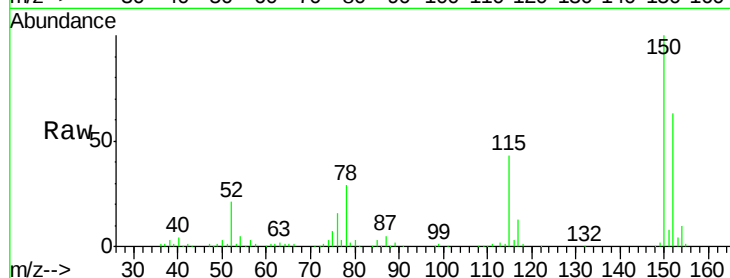
Tgt Ion:152 Resp: 111148

Ion Ratio Lower Upper

152 100

150 158.3 124.2 186.2

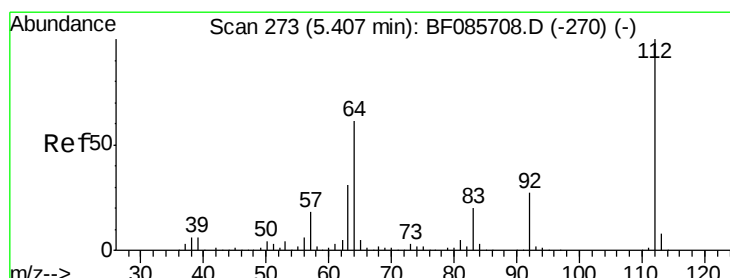
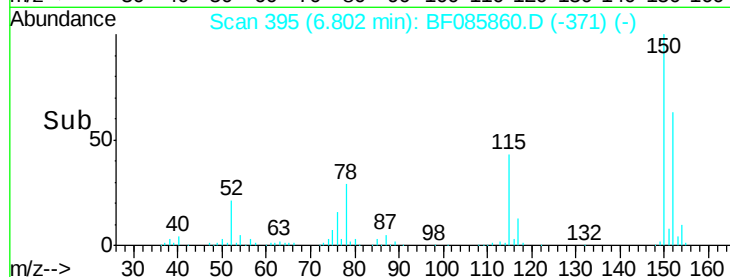
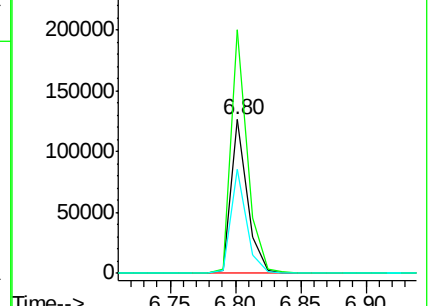
115 67.6 47.0 70.6



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: 112.67 ng

RT: 5.41 min Scan# 273

Delta R.T. 0.00 min

Lab File: BF085860.D

Acq: 29 Mar 2016 20:33

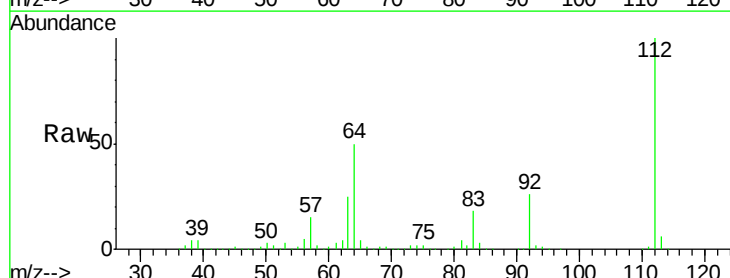
Tgt Ion:112 Resp: 751915

Ion Ratio Lower Upper

112 100

64 49.9 39.9 59.9

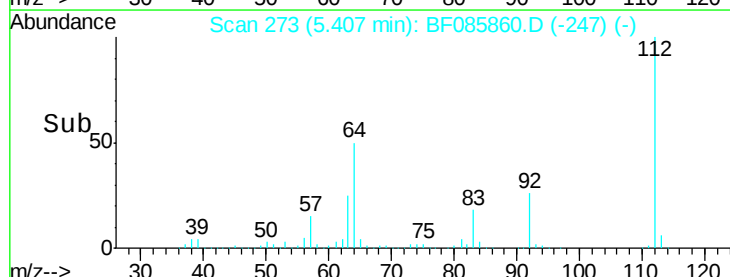
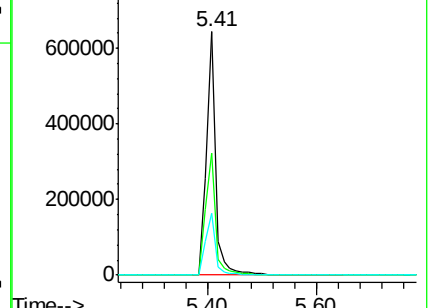
63 25.3 20.2 30.2

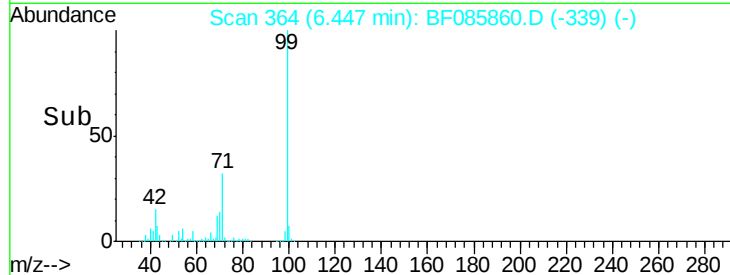
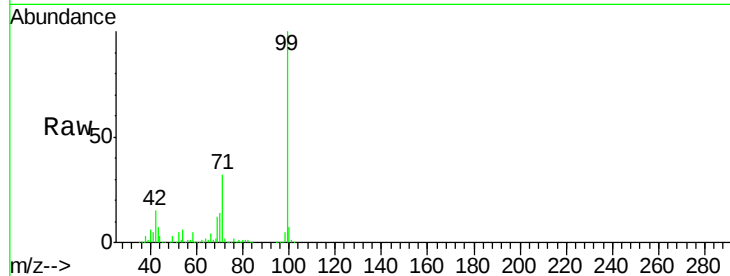


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 111.97 ng

RT: 6.45 min Scan# 364

Delta R.T. -0.01 min

Lab File: BF085860.D

Acq: 29 Mar 2016 20:33

Instrument :

BNA_F

ClientSampleId :

TP-1

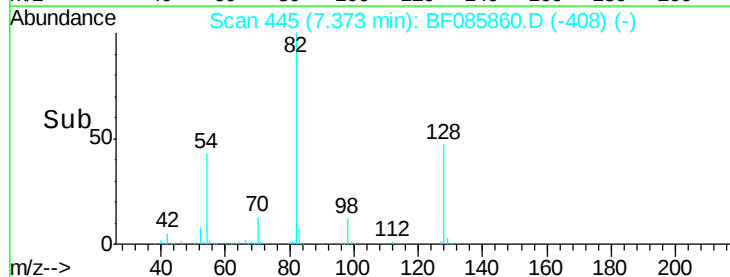
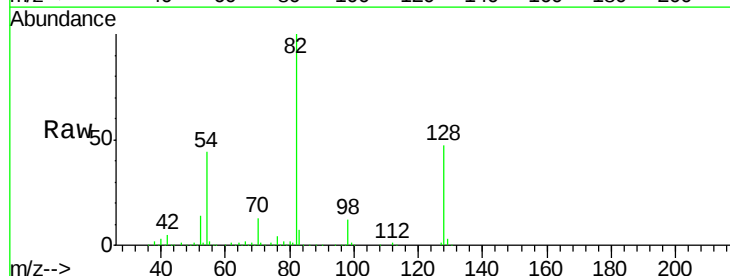
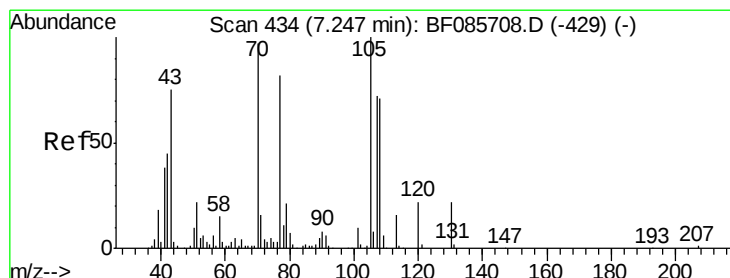
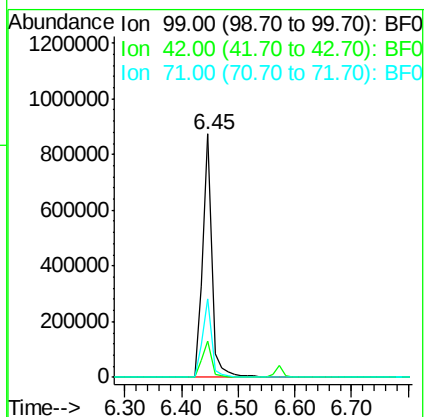
Tgt Ion: 99 Resp: 950110

Ion Ratio Lower Upper

99 100

42 14.8 11.1 16.7

71 32.0 24.9 37.3



#19

n-Nitroso-di-n-propylamine

Concen: 15.69 ng

RT: 7.37 min Scan# 445

Delta R.T. 0.13 min

Lab File: BF085860.D

Acq: 29 Mar 2016 20:33

Tgt Ion: 70 Resp: 79692

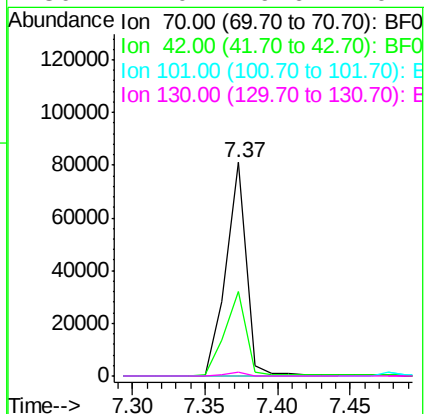
Ion Ratio Lower Upper

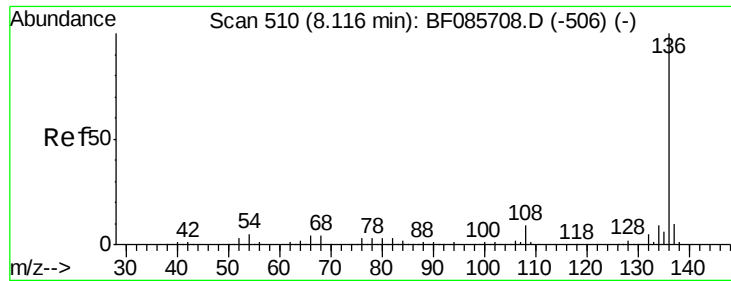
70 100

42 39.3 37.1 55.7

101 0.0 8.6 12.8#

130 2.0 19.6 29.4#

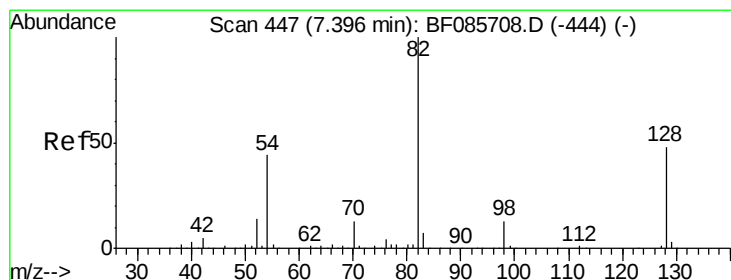
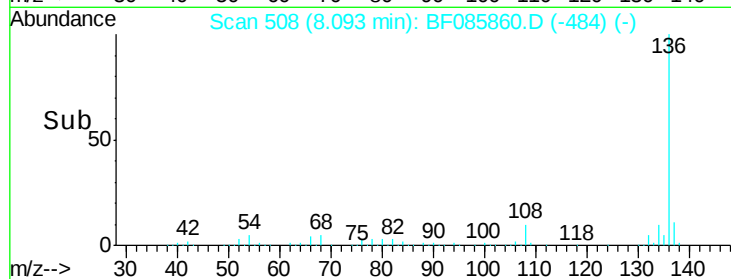
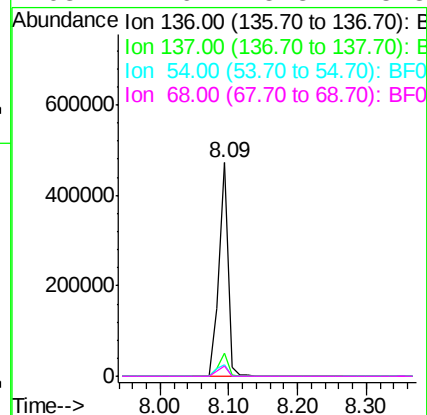
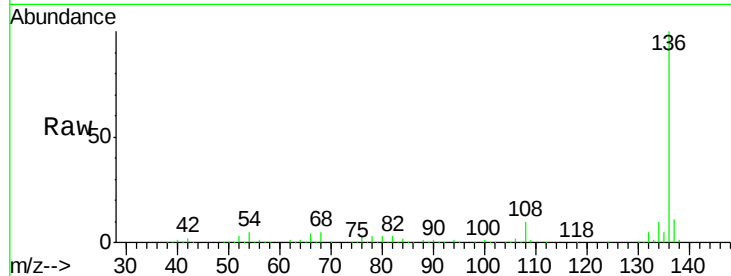




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 508
Delta R.T. -0.02 min
Lab File: BF085860.D
Acq: 29 Mar 2016 20:33

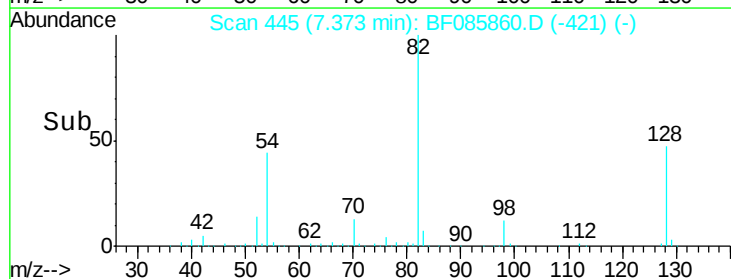
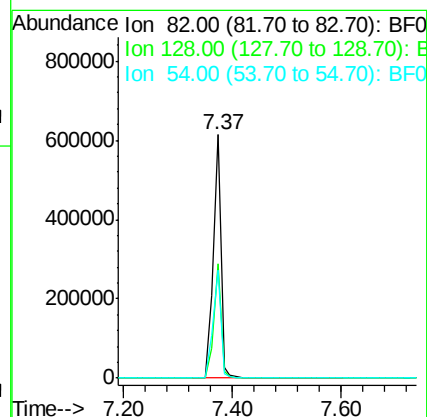
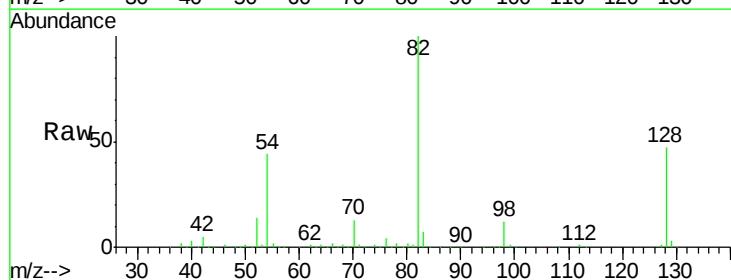
Instrument :
BNA_F
ClientSampleId :
TP-1

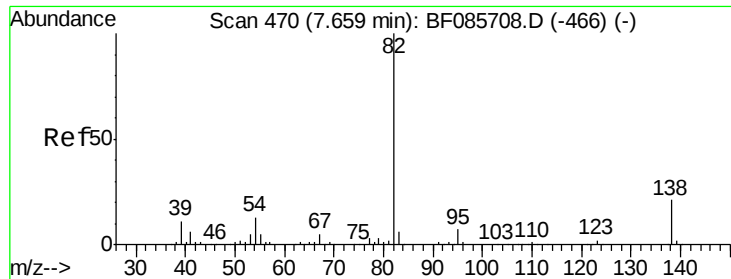
Tgt Ion:	136	Resp:	448705
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.1	13.7
54	5.4	7.4	11.0#
68	4.6	5.8	8.8#



#23
Nitrobenzene-d5
Concen: 75.26 ng
RT: 7.37 min Scan# 445
Delta R.T. -0.02 min
Lab File: BF085860.D
Acq: 29 Mar 2016 20:33

Tgt Ion:	82	Resp:	599634
Ion	Ratio	Lower	Upper
82	100		
128	46.8	41.8	62.8
54	44.2	33.4	50.0





#25

Isophorone

Concen: 29.72 ng

RT: 7.37 min Scan# 445

Delta R.T. -0.29 min

Lab File: BF085860.D

Acq: 29 Mar 2016 20:33

Instrument :

BNA_F

ClientSampleId :

TP-1

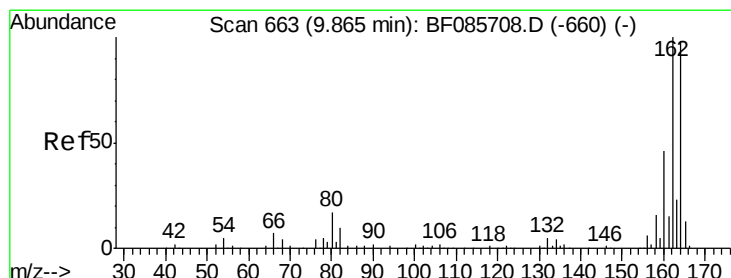
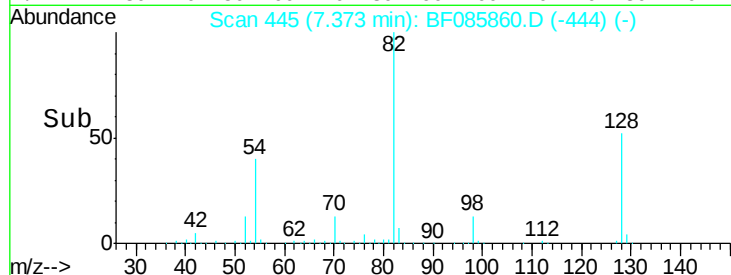
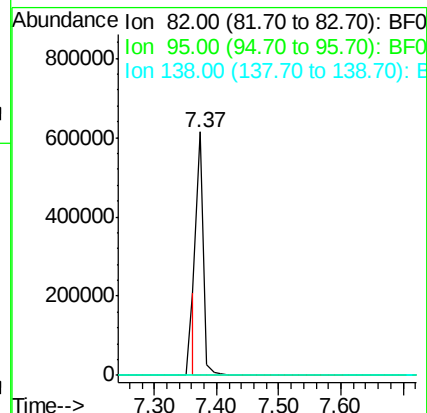
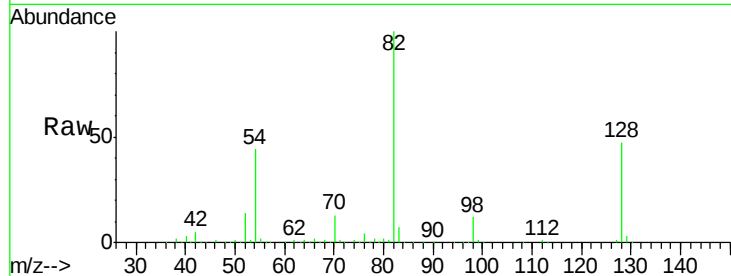
Tgt Ion: 82 Resp: 456181

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

138 0.0 12.9 19.3#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.84 min Scan# 661

Delta R.T. -0.02 min

Lab File: BF085860.D

Acq: 29 Mar 2016 20:33

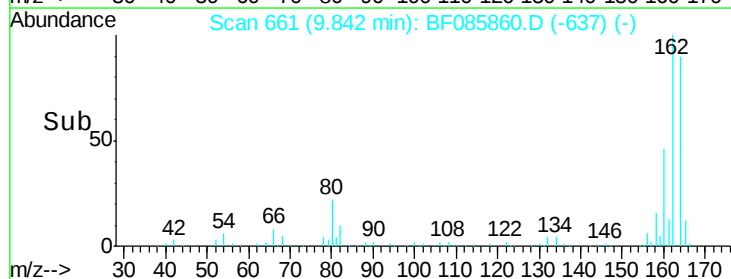
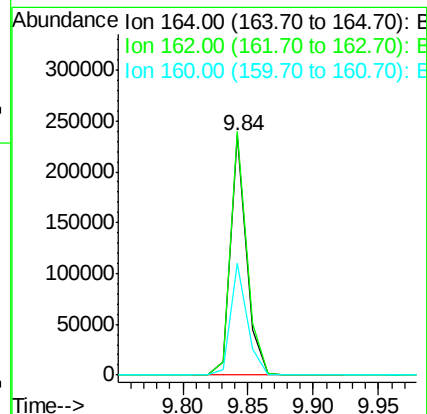
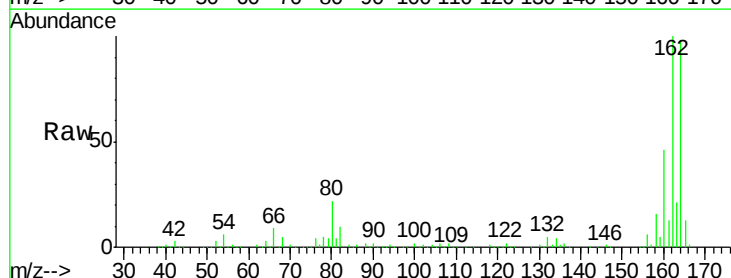
Tgt Ion: 164 Resp: 204003

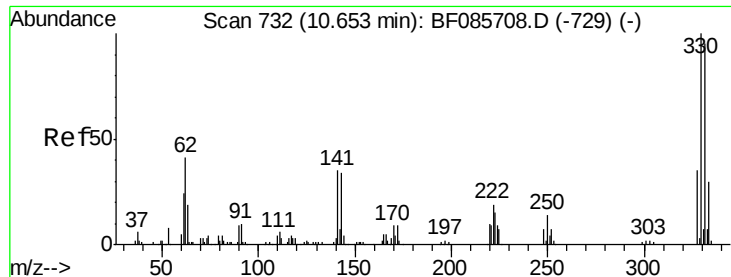
Ion Ratio Lower Upper

164 100

162 101.6 82.1 123.1

160 46.4 37.4 56.2

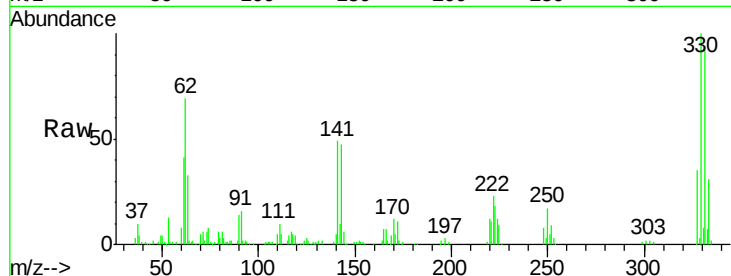




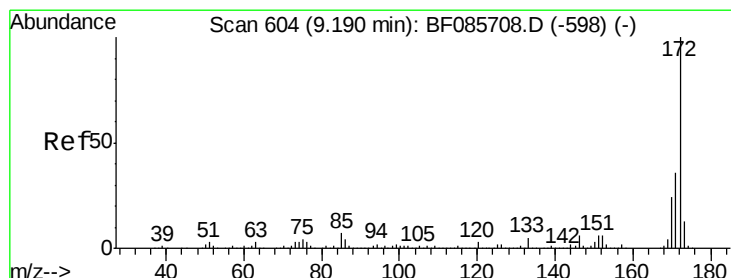
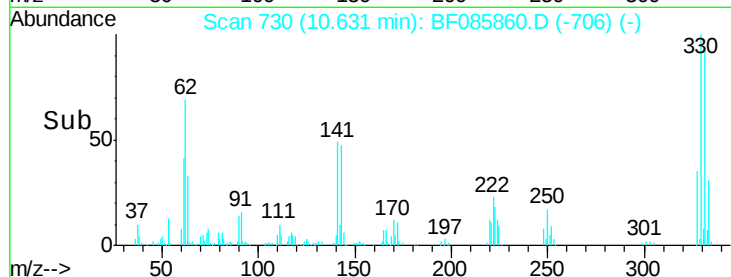
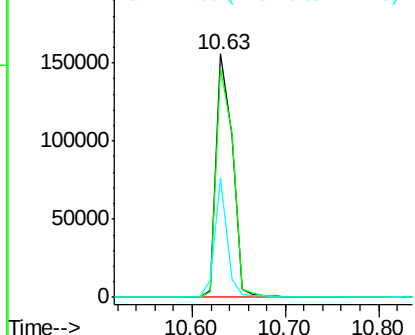
#41
 2,4,6-Tribromophenol
 Concen: 97.24 ng
 RT: 10.63 min Scan# 730
 Delta R.T. -0.02 min
 Lab File: BF085860.D
 Acq: 29 Mar 2016 20:33

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Tgt Ion:330 Resp: 188479
 Ion Ratio Lower Upper
 330 100
 332 97.0 78.2 117.2
 141 37.9 31.5 47.3

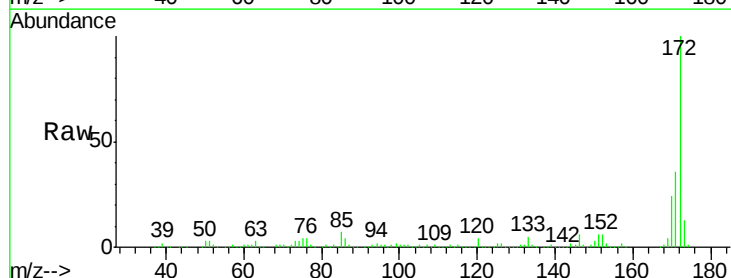


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

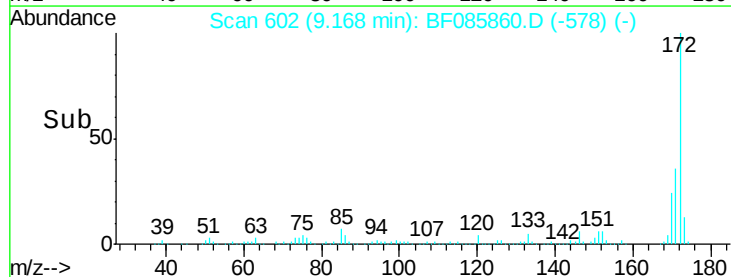
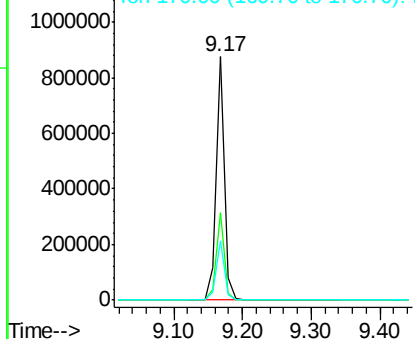


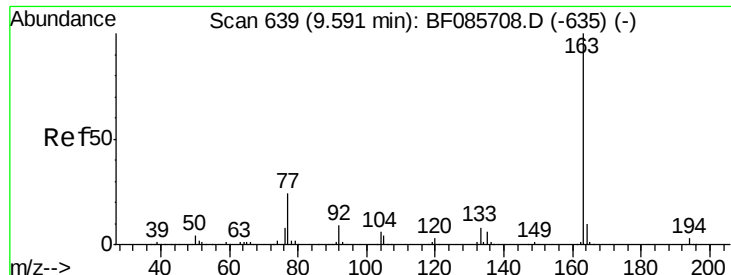
#44
 2-Fluorobiphenyl
 Concen: 61.14 ng
 RT: 9.17 min Scan# 602
 Delta R.T. -0.02 min
 Lab File: BF085860.D
 Acq: 29 Mar 2016 20:33

Tgt Ion:172 Resp: 746586
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.4 44.2
 170 24.3 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

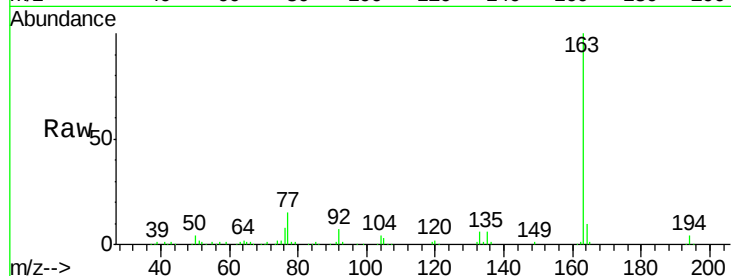




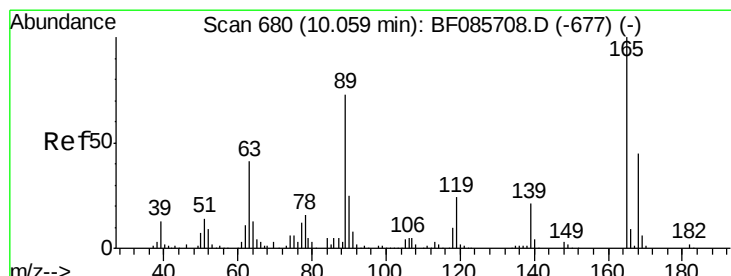
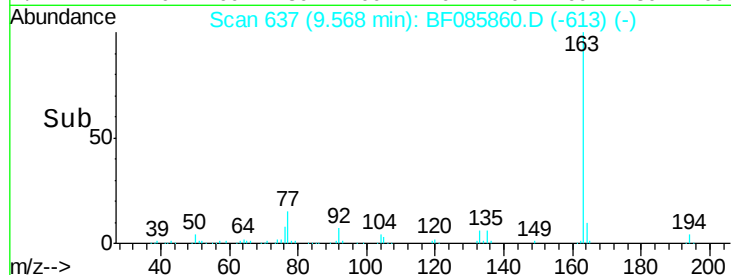
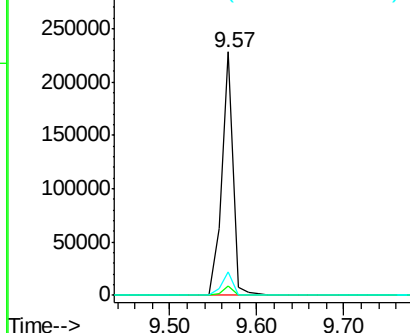
#49
Dimethylphthalate
Concen: 13.52 ng
RT: 9.57 min Scan# 637
Delta R.T. -0.02 min
Lab File: BF085860.D
Acq: 29 Mar 2016 20:33

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:163 Resp: 209227
Ion Ratio Lower Upper
163 100
194 3.6 2.9 4.3
164 9.8 8.3 12.5

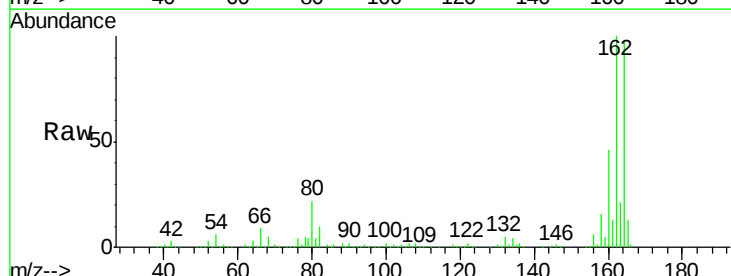


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

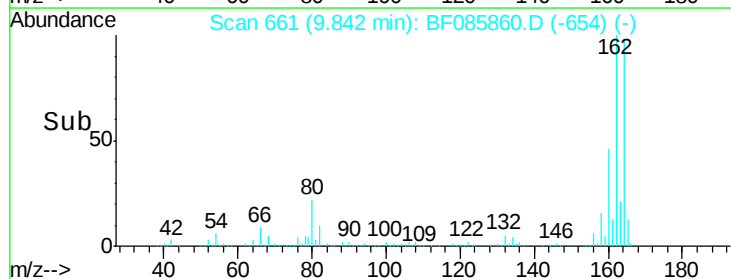
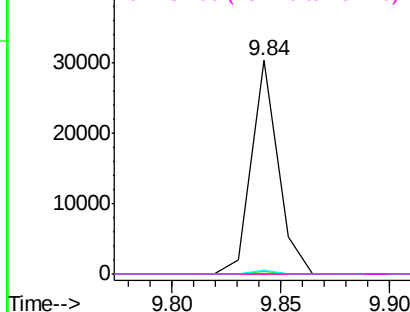


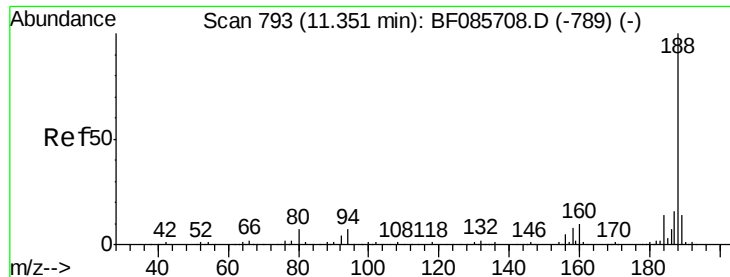
#56
2,4-Dinitrotoluene
Concen: 6.07 ng
RT: 9.84 min Scan# 661
Delta R.T. -0.22 min
Lab File: BF085860.D
Acq: 29 Mar 2016 20:33

Tgt Ion:165 Resp: 25695
Ion Ratio Lower Upper
165 100
63 1.3 24.9 37.3#
89 1.7 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

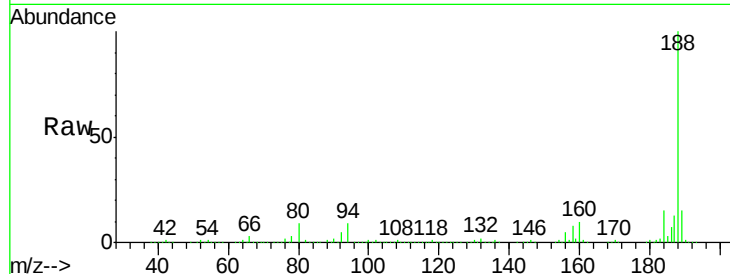




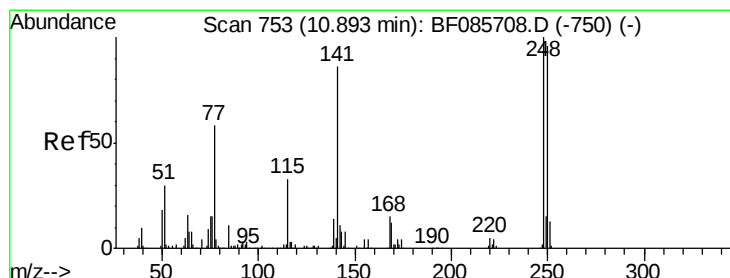
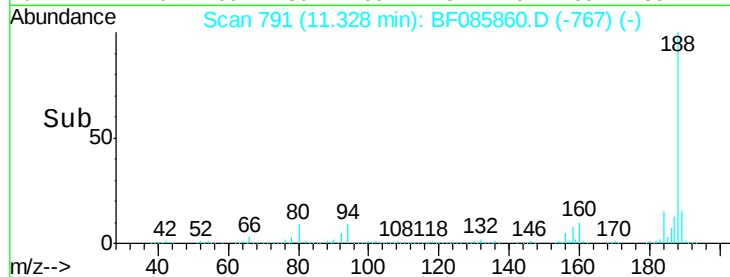
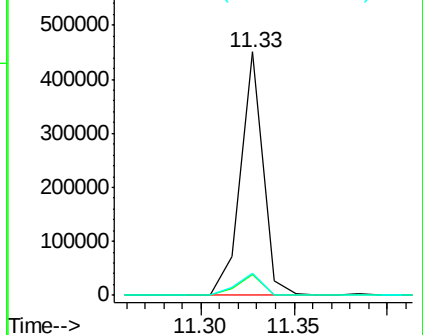
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 791
Delta R.T. -0.02 min
Lab File: BF085860.D
Acq: 29 Mar 2016 20:33

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:188 Resp: 380400
Ion Ratio Lower Upper
188 100
94 8.7 5.4 8.0#
80 9.1 5.5 8.3#

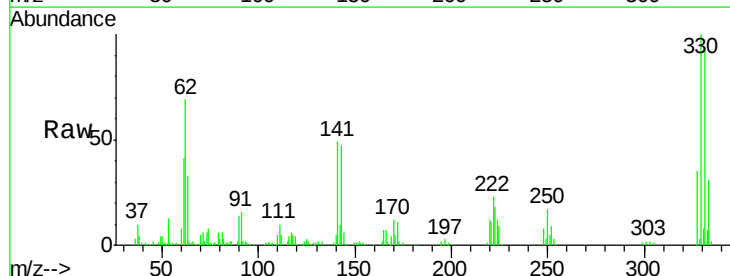


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

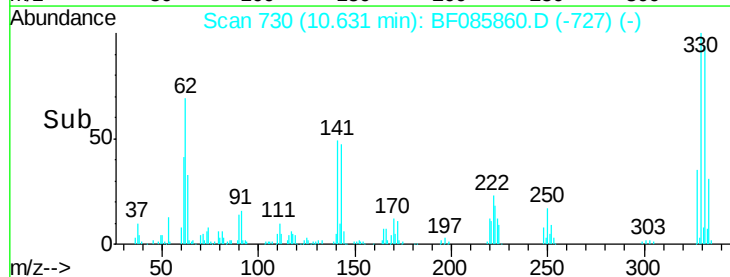
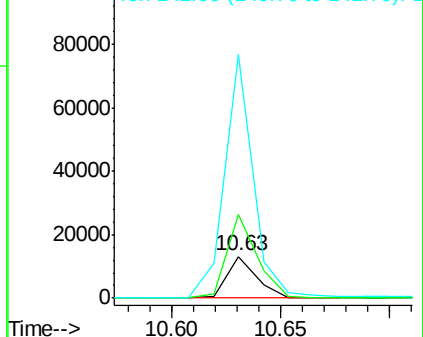


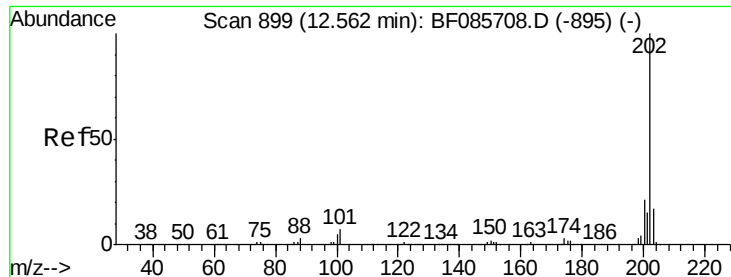
#66
4-Bromophenyl-phenylether
Concen: 3.21 ng
RT: 10.63 min Scan# 730
Delta R.T. -0.26 min
Lab File: BF085860.D
Acq: 29 Mar 2016 20:33

Tgt Ion:248 Resp: 12507
Ion Ratio Lower Upper
248 100
250 200.7 77.4 116.0#
141 580.4 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: 4.94 ng

RT: 12.54 min Scan# 897

Delta R.T. -0.02 min

Lab File: BF085860.D

Acq: 29 Mar 2016 20:33

Instrument :

BNA_F

ClientSampleId :

TP-1

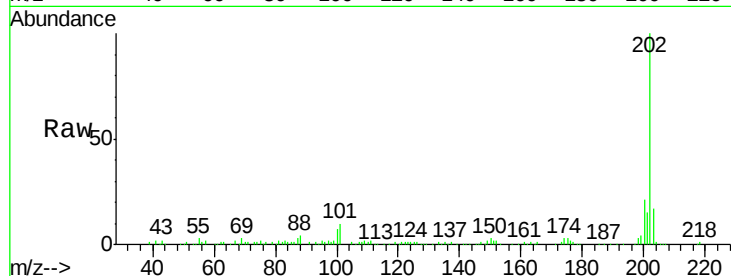
Tgt Ion: 202 Resp: 102564

Ion Ratio Lower Upper

202 100

101 9.5 0.0 36.6

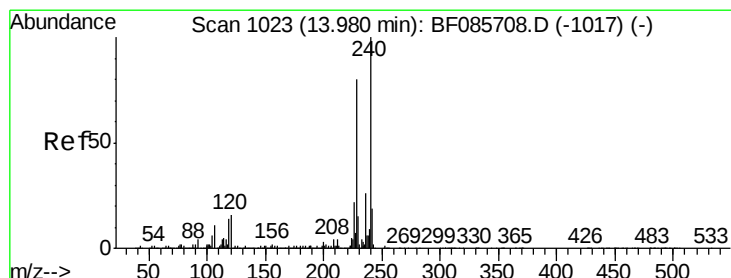
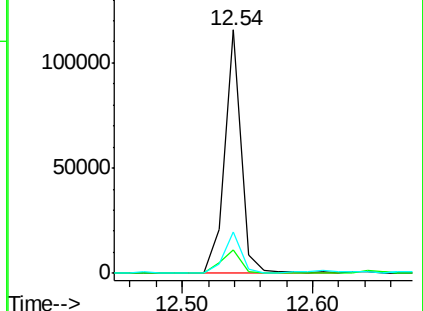
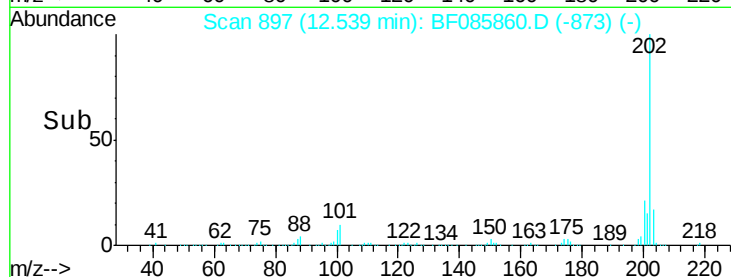
203 17.1 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.97 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BF085860.D

Acq: 29 Mar 2016 20:33

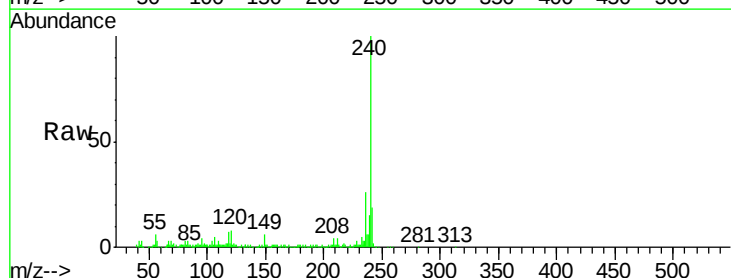
Tgt Ion: 240 Resp: 228634

Ion Ratio Lower Upper

240 100

120 8.3 13.8 20.8#

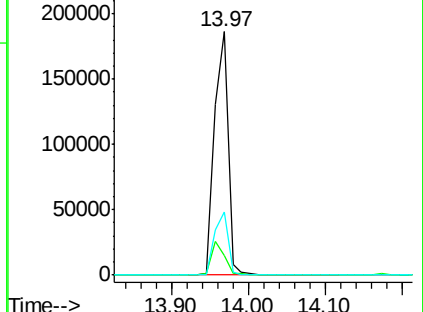
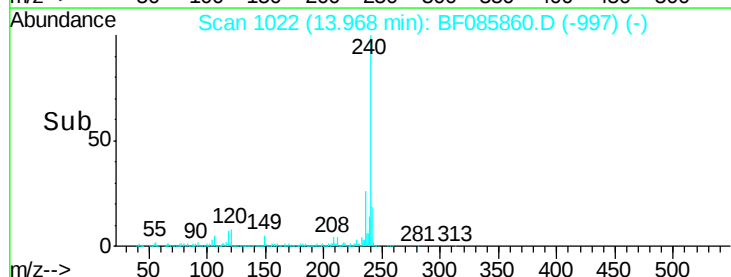
236 26.2 20.6 30.8

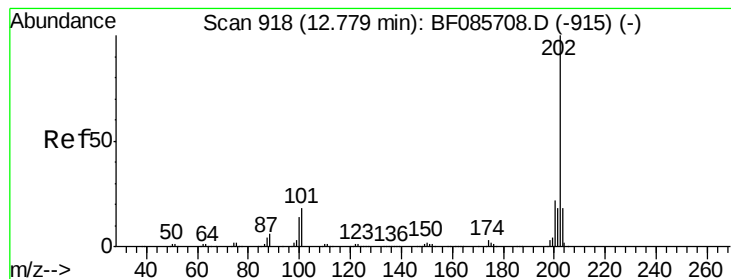


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 4.82 ng

RT: 12.77 min Scan# 917

Delta R.T. -0.01 min

Lab File: BF085860.D

Acq: 29 Mar 2016 20:33

Instrument :

BNA_F

ClientSampleId :

TP-1

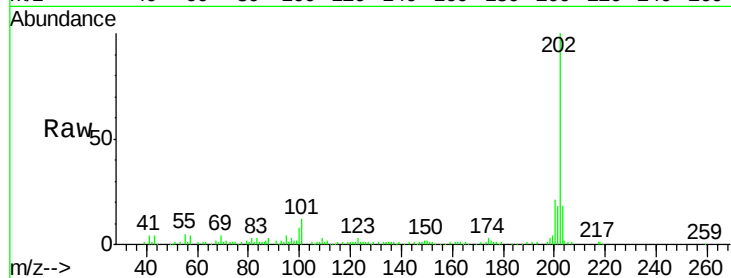
Tgt Ion:202 Resp: 90592

Ion Ratio Lower Upper

202 100

200 21.0 17.6 26.4

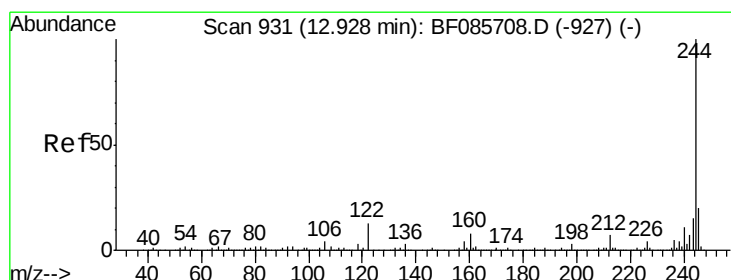
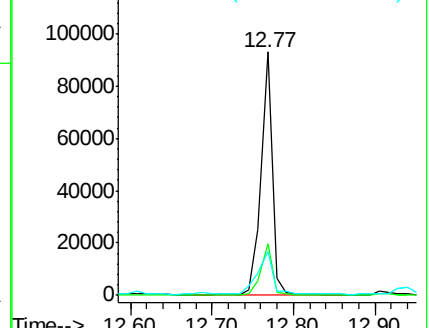
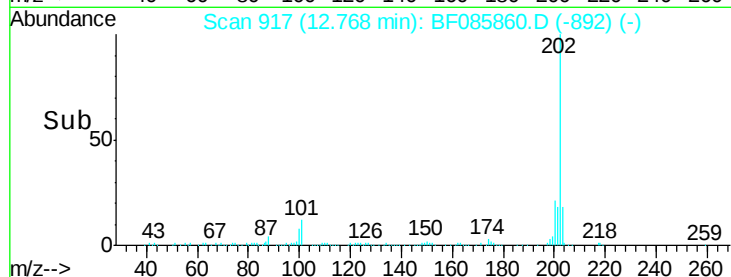
203 18.0 14.0 21.0



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: 47.31 ng

RT: 12.92 min Scan# 930

Delta R.T. -0.01 min

Lab File: BF085860.D

Acq: 29 Mar 2016 20:33

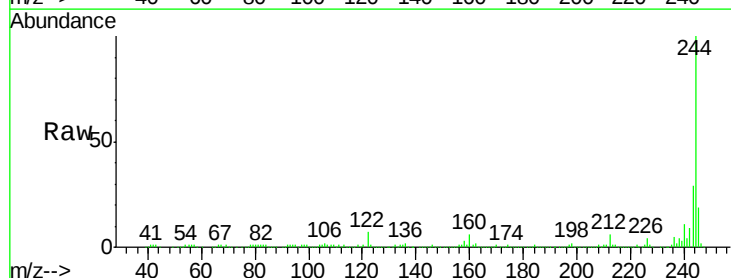
Tgt Ion:244 Resp: 525981

Ion Ratio Lower Upper

244 100

212 6.4 6.1 9.1

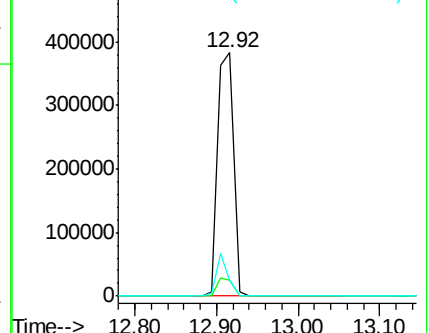
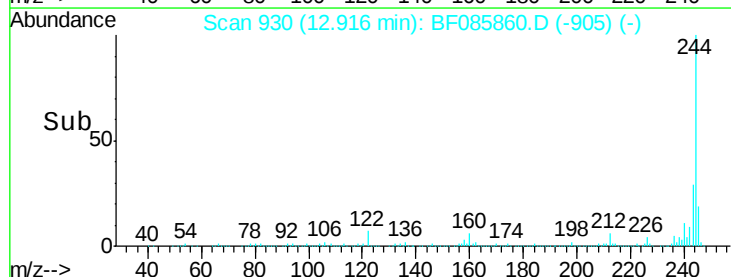
122 6.7 10.2 15.4#

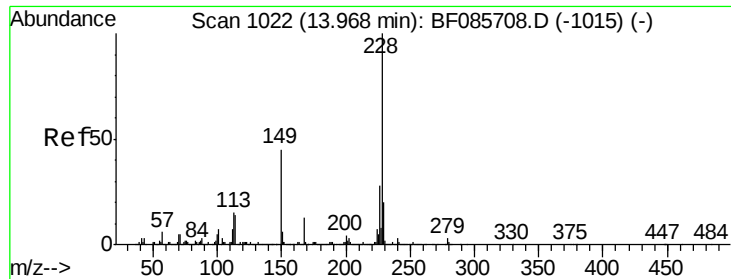


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

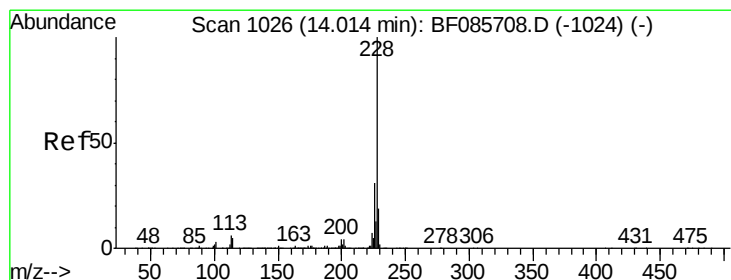
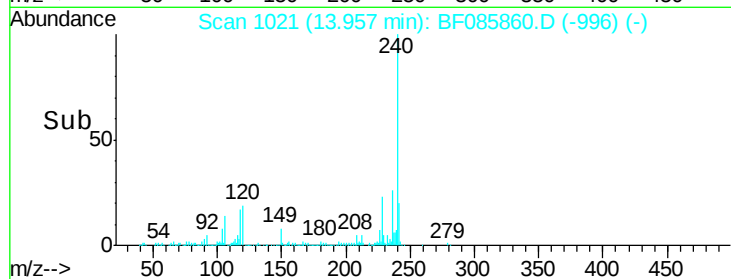
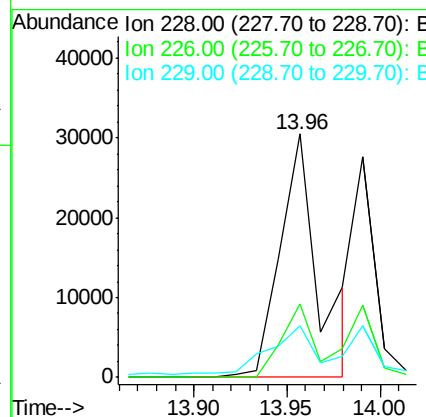
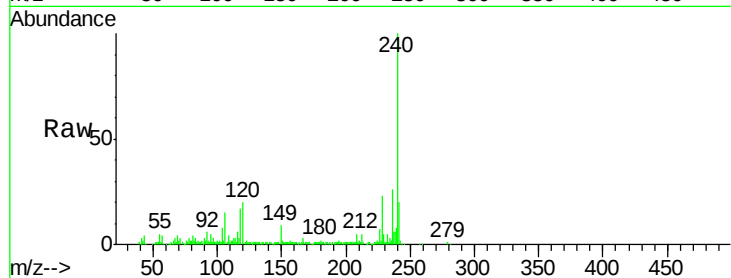




#80
Benzo(a)anthracene
Concen: 3.33 ng
RT: 13.96 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF085860.D
Acq: 29 Mar 2016 20:33

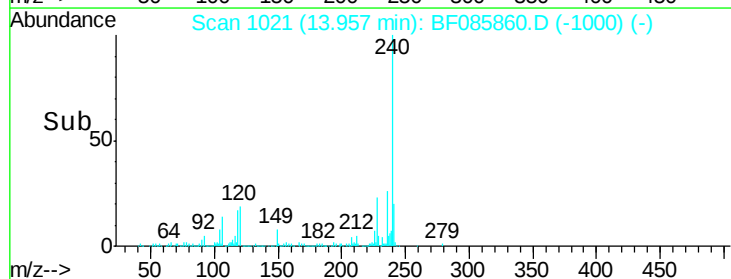
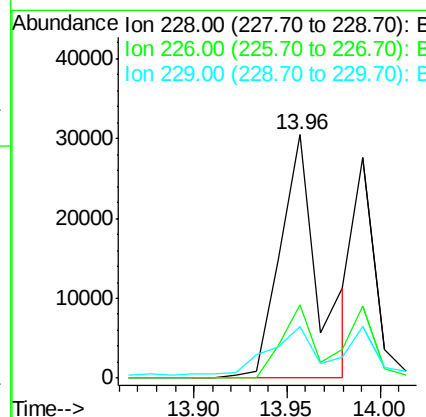
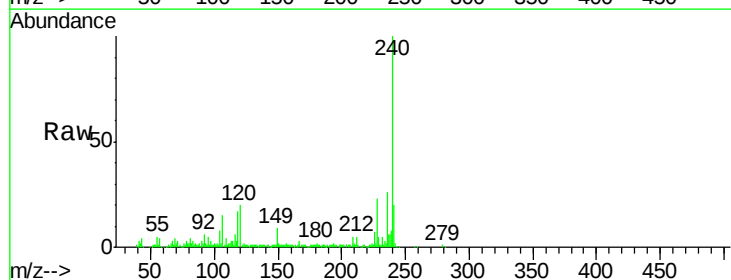
Instrument :
BNA_F
ClientSampleId :
TP-1

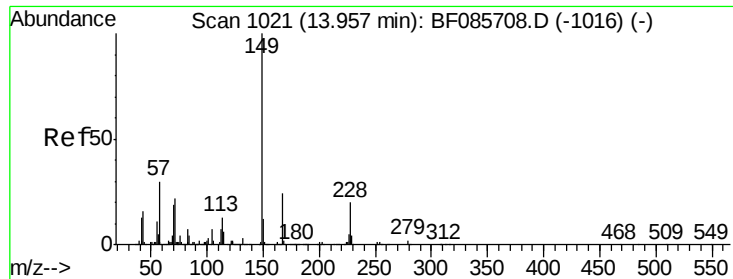
Tgt Ion:228 Resp: 43447
Ion Ratio Lower Upper
228 100
226 30.1 22.1 33.1
229 21.2 16.2 24.4



#82
Chrysene
Concen: 3.31 ng
RT: 13.96 min Scan# 1021
Delta R.T. -0.06 min
Lab File: BF085860.D
Acq: 29 Mar 2016 20:33

Tgt Ion:228 Resp: 43447
Ion Ratio Lower Upper
228 100
226 30.1 25.0 37.6
229 21.2 15.7 23.5

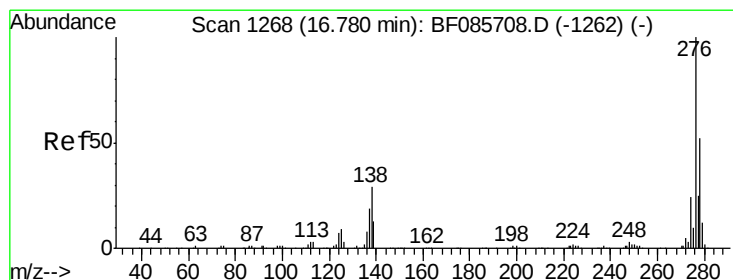
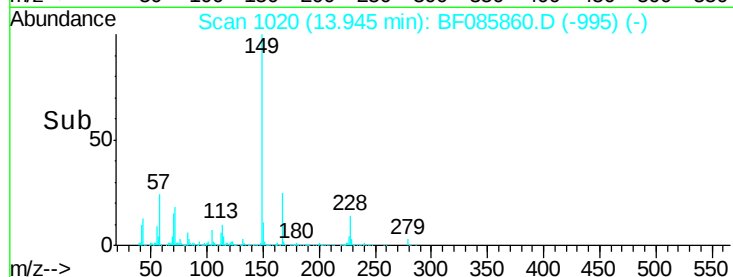
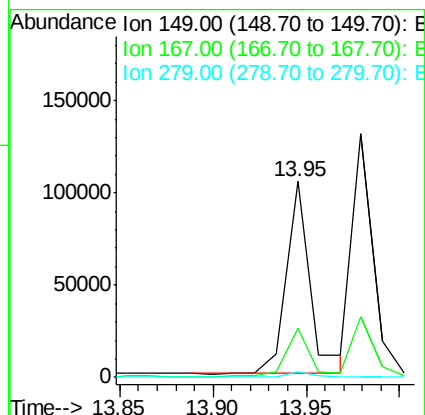
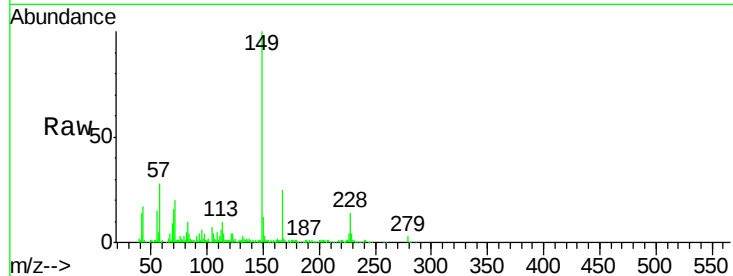




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 9.91 ng
 RT: 13.95 min Scan# 1020
 Delta R.T. -0.01 min
 Lab File: BF085860.D
 Acq: 29 Mar 2016 20:33

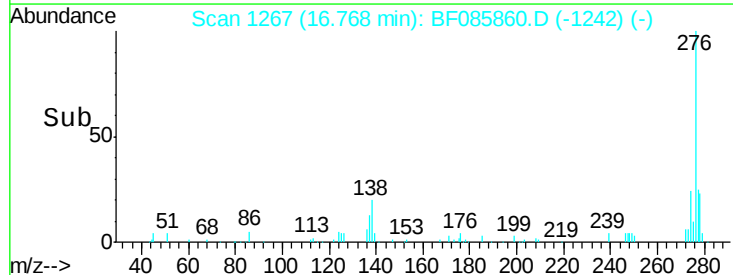
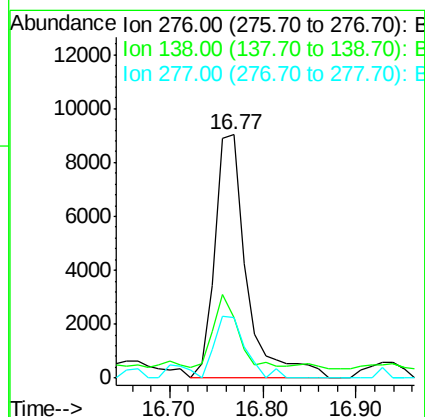
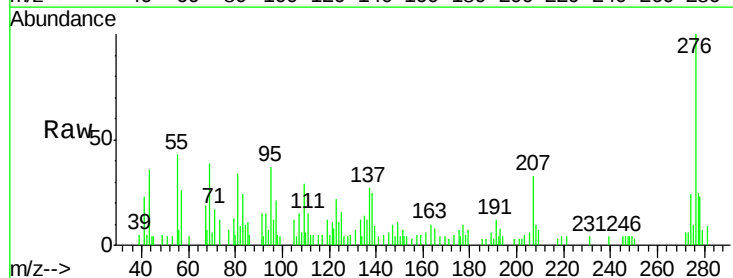
Instrument :
 BNA_F
 ClientSampleId :
 TP-1

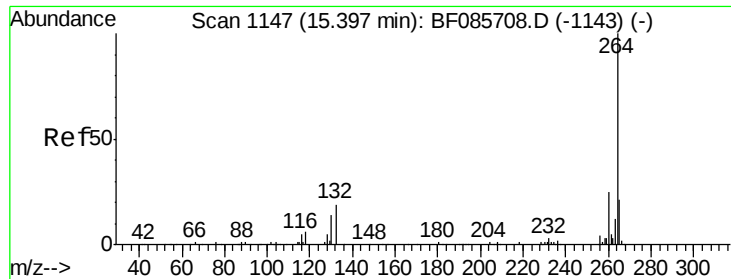
Tgt Ion:149 Resp: 93411
 Ion Ratio Lower Upper
 149 100
 167 25.3 19.4 29.2
 279 2.6 1.5 2.3#



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.10 ng
 RT: 16.77 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: BF085860.D
 Acq: 29 Mar 2016 20:33

Tgt Ion:276 Resp: 21306
 Ion Ratio Lower Upper
 276 100
 138 24.3 24.2 36.4
 277 24.7 20.0 30.0

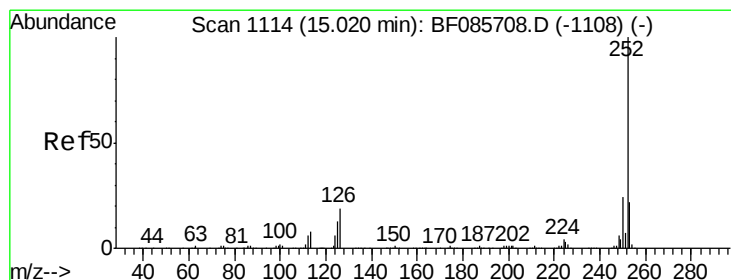
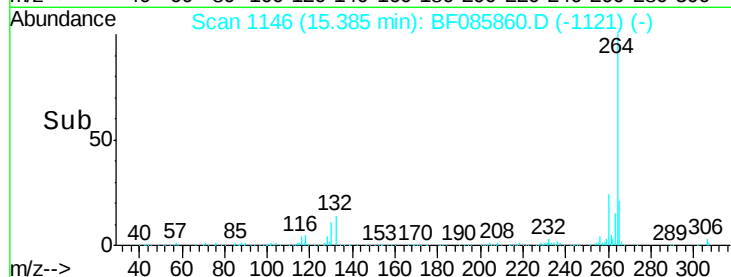
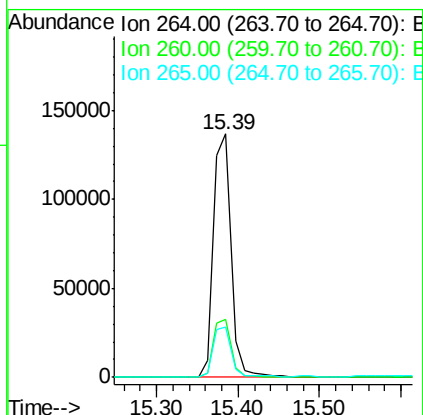
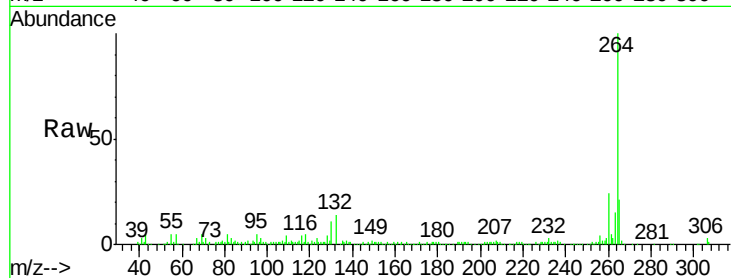




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.39 min Scan# 1146
Delta R.T. -0.01 min
Lab File: BF085860.D
Acq: 29 Mar 2016 20:33

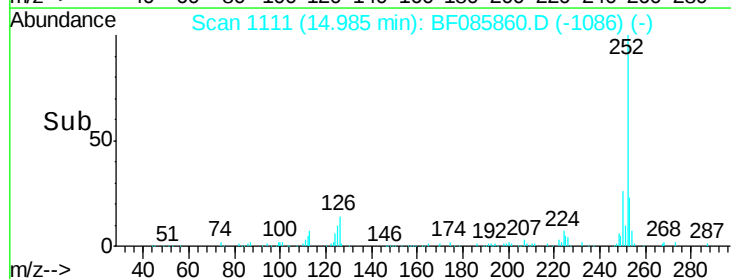
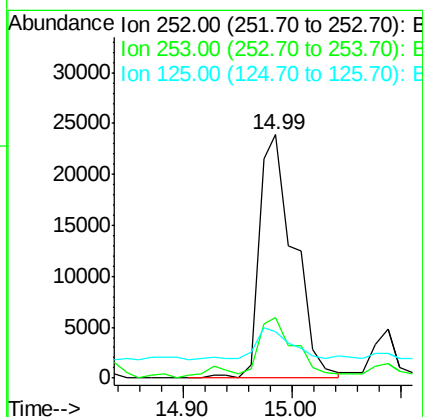
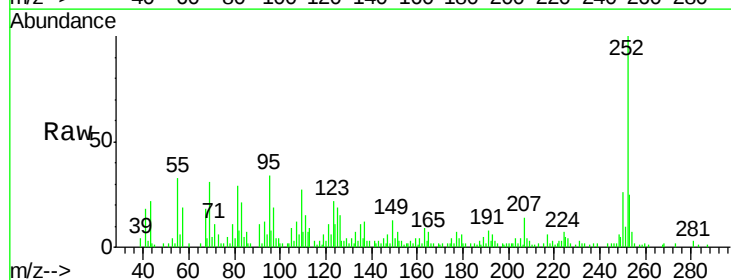
Instrument :
BNA_F
ClientSampleId :
TP-1

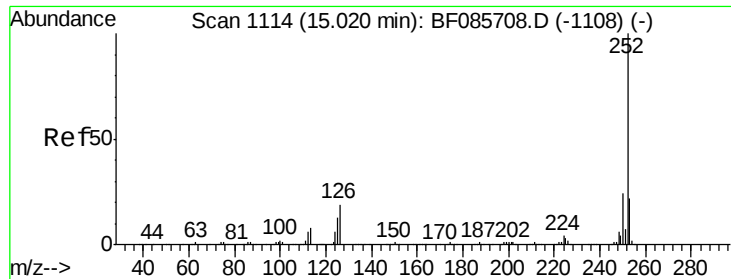
Tgt Ion:264 Resp: 207947
Ion Ratio Lower Upper
264 100
260 23.8 19.4 29.2
265 20.7 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 4.04 ng
RT: 14.99 min Scan# 1111
Delta R.T. -0.01 min
Lab File: BF085860.D
Acq: 29 Mar 2016 20:33

Tgt Ion:252 Resp: 52945
Ion Ratio Lower Upper
252 100
253 24.7 17.6 26.4
125 18.9 10.3 15.5#

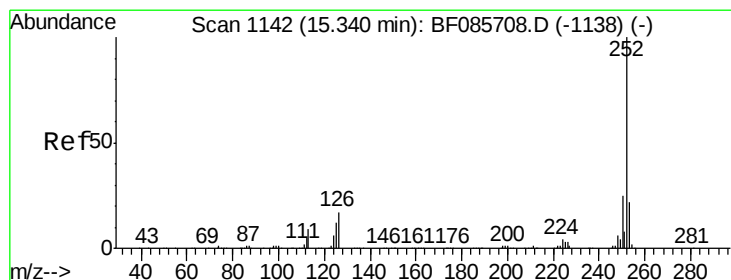
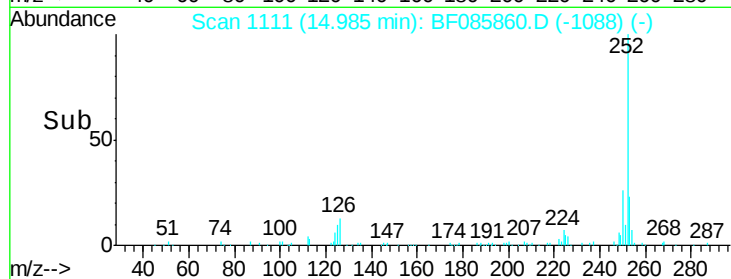
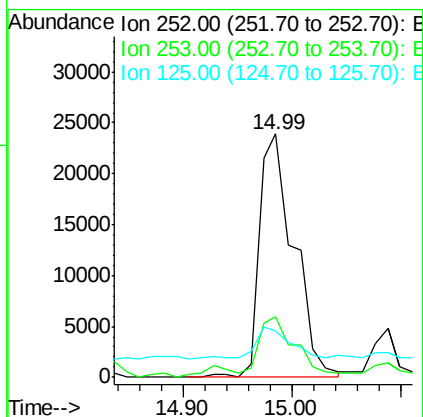
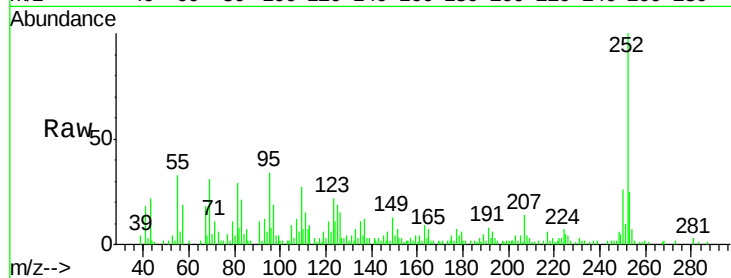




#88
Benzo(k)fluoranthene
Concen: 4.48 ng
RT: 14.99 min Scan# 1111
Delta R.T. -0.03 min
Lab File: BF085860.D
Acq: 29 Mar 2016 20:33

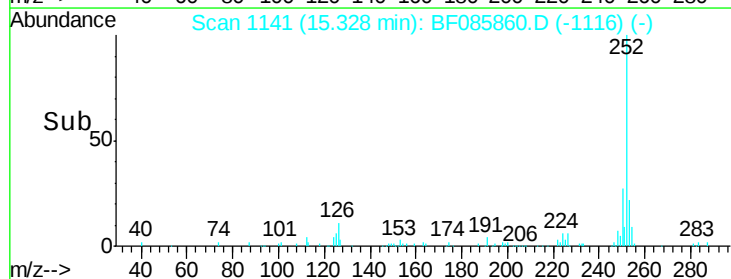
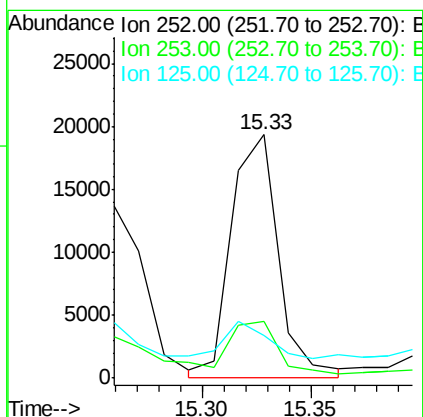
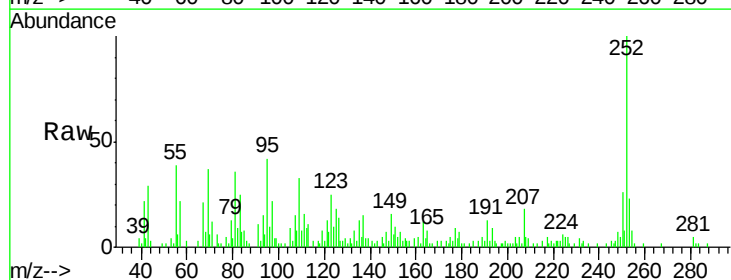
Instrument :
BNA_F
ClientSampleId :
TP-1

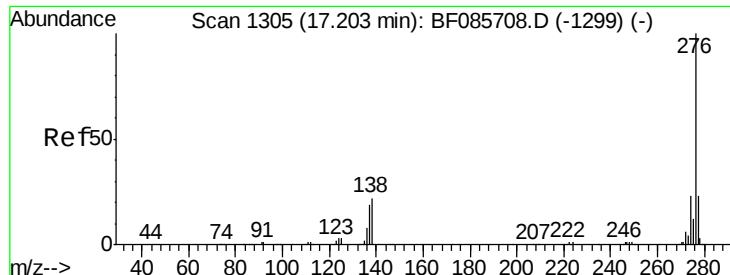
Tgt Ion:252 Resp: 52945
Ion Ratio Lower Upper
252 100
253 24.7 17.8 26.6
125 18.9 7.7 11.5#



#89
Benzo(a)pyrene
Concen: 2.51 ng
RT: 15.33 min Scan# 1141
Delta R.T. -0.01 min
Lab File: BF085860.D
Acq: 29 Mar 2016 20:33

Tgt Ion:252 Resp: 29190
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.0
125 17.5 10.3 15.5#





#91

Benzo(g,h,i)perylene

Concen: 2.07 ng

RT: 17.18 min Scan# 1303

Delta R.T. -0.02 min

Lab File: BF085860.D

Acq: 29 Mar 2016 20:33

Instrument :

BNA_F

ClientSampleId :

TP-1

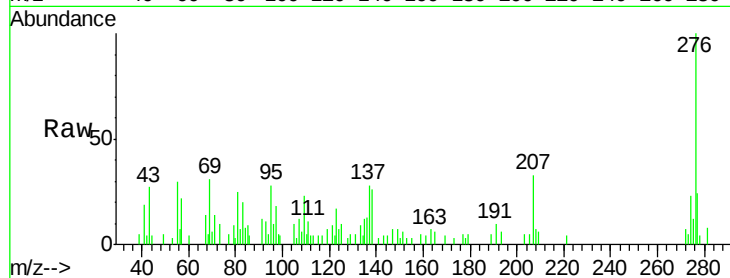
Tgt Ion:276 Resp: 22642

Ion Ratio Lower Upper

276 100

277 23.9 18.8 28.2

138 26.2 22.6 34.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

