

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011017\
 Data File : BF092197.D
 Acq On : 10 Jan 2017 22:11
 Operator : UM/SJ
 Sample : I1050-02DL 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 POSTEX-29-20170105DL

Quant Time: Jan 10 23:36:31 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 06 15:43:51 2017
 Response via : Initial Calibration

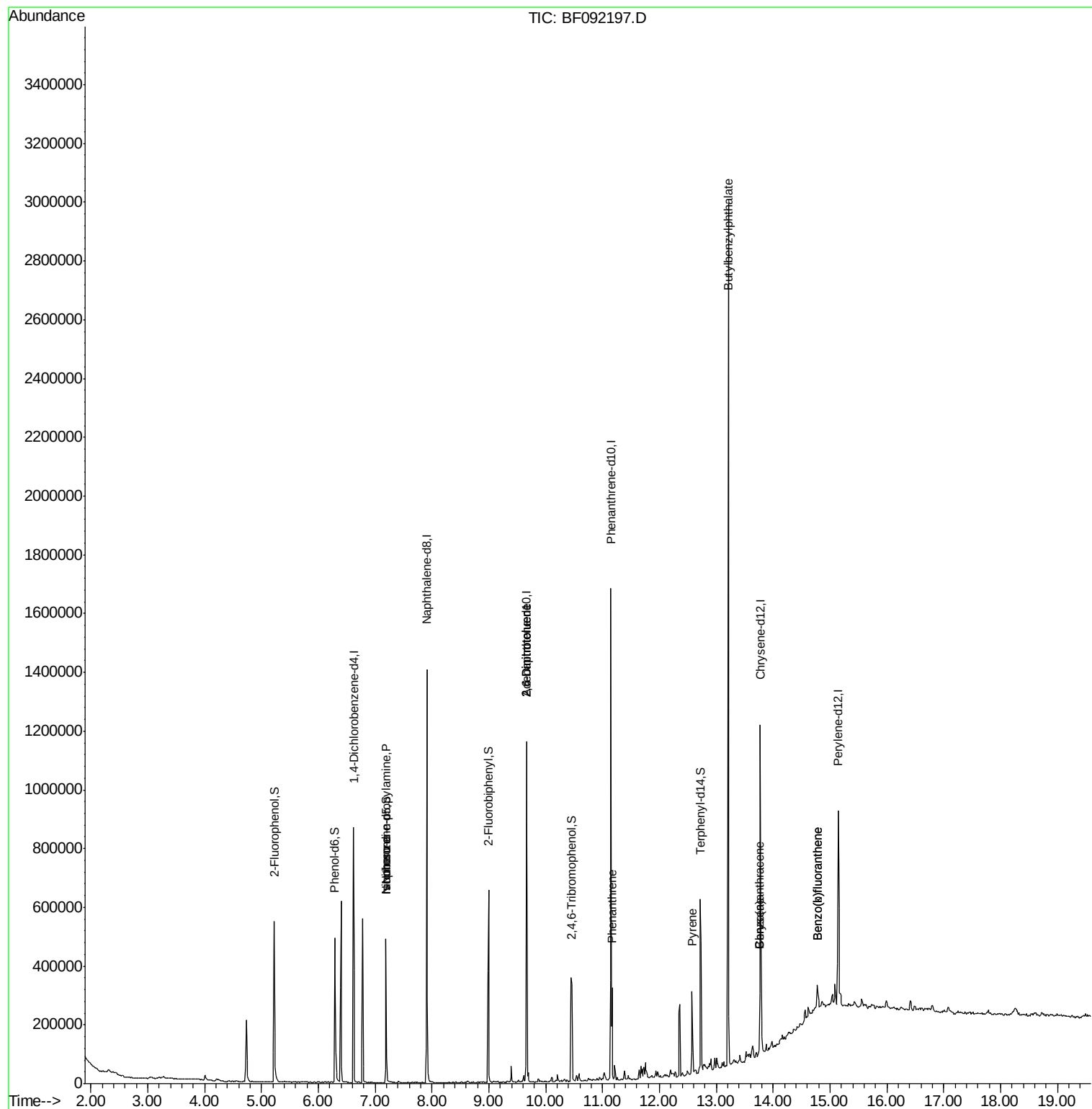
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	150691	20.00	ng	-0.02
21) Naphthalene-d8	7.91	136	632701	20.00	ng	-0.02
38) Acenaphthene-d10	9.66	164	347935	20.00	ng	-0.02
63) Phenanthrene-d10	11.14	188	589612	20.00	ng	-0.01
75) Chrysene-d12	13.77	240	386352	20.00	ng	-0.01
86) Perylene-d12	15.15	264	298907	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	186172	20.63	ng	-0.01
7) Phenol-d6	6.29	99	251674	22.84	ng	-0.02
23) Nitrobenzene-d5	7.19	82	160961	14.15	ng	-0.02
41) 2,4,6-Tribromophenol	10.46	330	60922	21.16	ng	-0.01
44) 2-Fluorobiphenyl	9.00	172	263903	3.11	ng	-0.01
78) Terphenyl-d14	12.72	244	244303	15.34	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.19	70	19763	2.70	ng	# 78
25) Isophorone	7.19	82	150964	7.19	ng	# 65
37) 2-Methylnaphthalene	8.63	142	1956	Below Cal		94
50) 2,6-Dinitrotoluene	9.66	165	44848	9.21	ng	# 30
56) 2,4-Dinitrotoluene	9.66	165	44851	7.34	ng	# 19
70) Phenanthrene	11.17	178	114327	3.58	ng	96
73) Di-n-butylphthalate	11.72	149	6957	Below Cal	#	78
76) Benzidine	12.72	184	3081	Below Cal	#	83
77) Pyrene	12.57	202	132437	4.67	ng	96
79) Butylbenzylphthalate	13.21	149	668805	51.88	ng	99
80) Benzo(a)anthracene	13.76	228	54726	2.51	ng	99
82) Chrysene	13.76	228	54726	2.50	ng	95
87) Benzo(b)fluoranthene	14.78	252	59267	3.18	ng	# 94
88) Benzo(k)fluoranthene	14.78	252	58494	3.69	ng	# 93

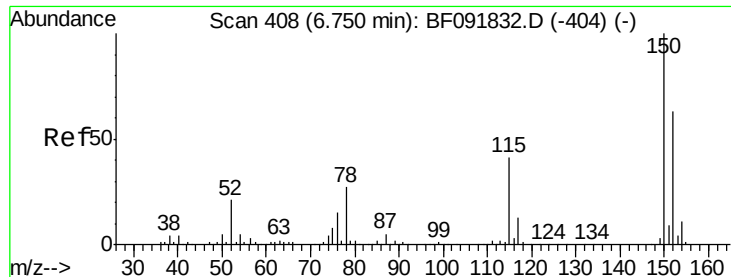
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.62 min Scan# 414

Delta R.T. -0.02 min

Lab File: BF092197.D

Acq: 10 Jan 2017 22:11

Instrument :

BNA_F

ClientSampleId :

POSTEX-29-20170105DL

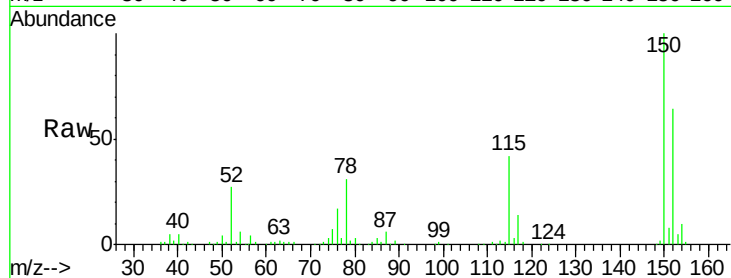
Tgt Ion:152 Resp: 150691

Ion Ratio Lower Upper

152 100

150 155.5 124.9 187.3

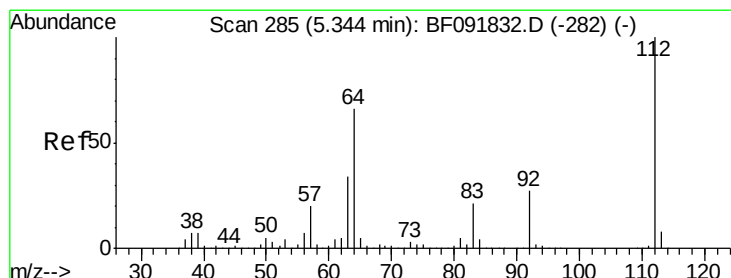
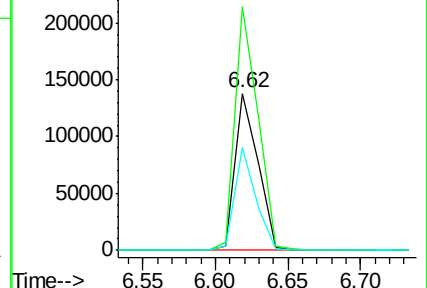
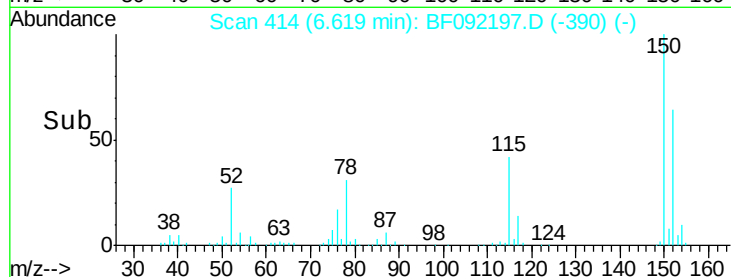
115 65.8 46.0 69.0



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: 20.63 ng

RT: 5.22 min Scan# 292

Delta R.T. -0.01 min

Lab File: BF092197.D

Acq: 10 Jan 2017 22:11

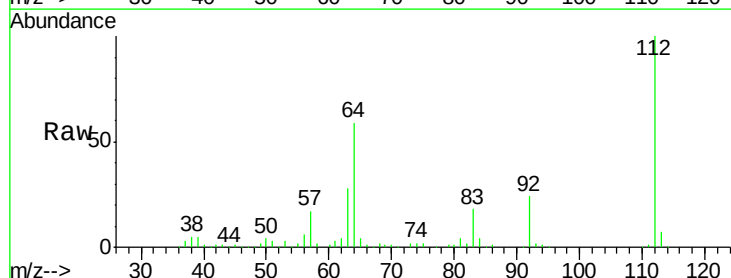
Tgt Ion:112 Resp: 186172

Ion Ratio Lower Upper

112 100

64 58.5 46.1 69.1

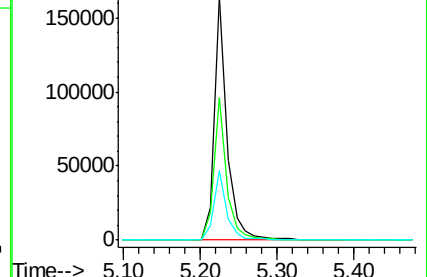
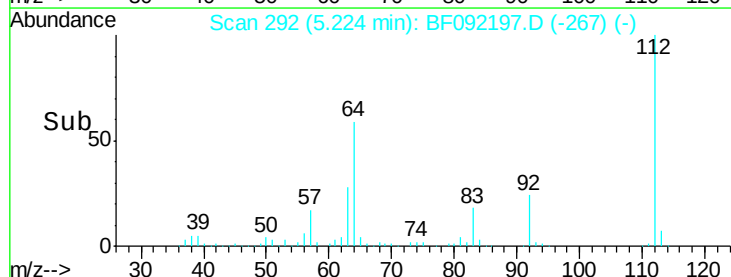
63 28.5 23.8 35.6

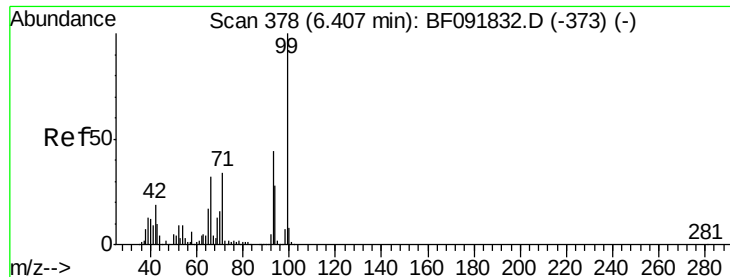


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 22.84 ng

RT: 6.29 min Scan# 385

Delta R.T. -0.02 min

Lab File: BF092197.D

Acq: 10 Jan 2017 22:11

Instrument :

BNA_F

ClientSampleId :

POSTEX-29-20170105DL

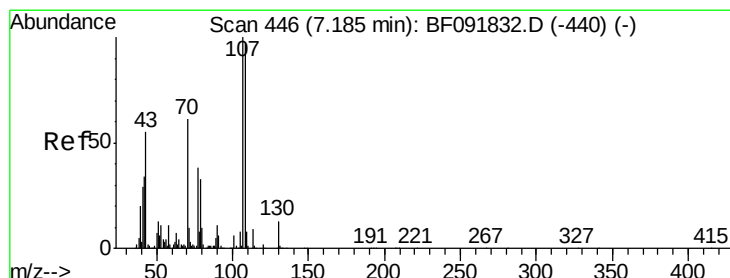
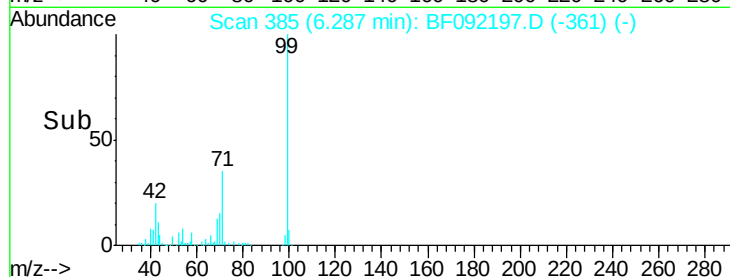
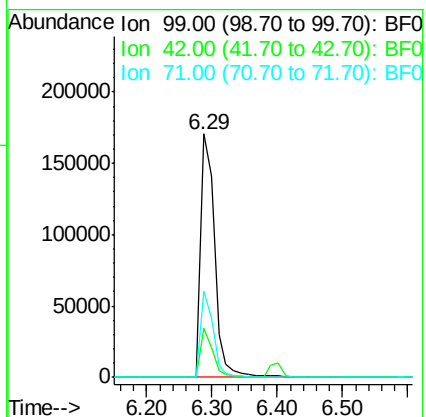
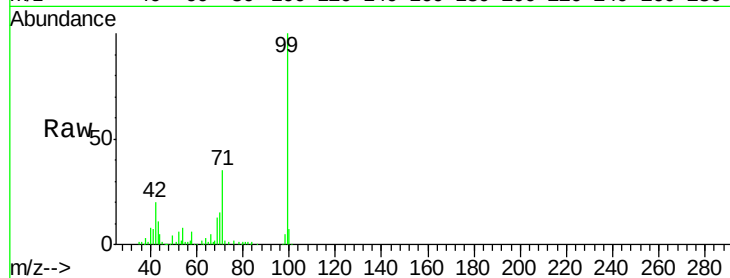
Tgt Ion: 99 Resp: 251674

Ion Ratio Lower Upper

99 100

42 20.4 15.6 23.4

71 35.3 27.5 41.3



#19

n-Nitroso-di-n-propylamine

Concen: 2.70 ng

RT: 7.19 min Scan# 464

Delta R.T. 0.11 min

Lab File: BF092197.D

Acq: 10 Jan 2017 22:11

Tgt Ion: 70 Resp: 19763

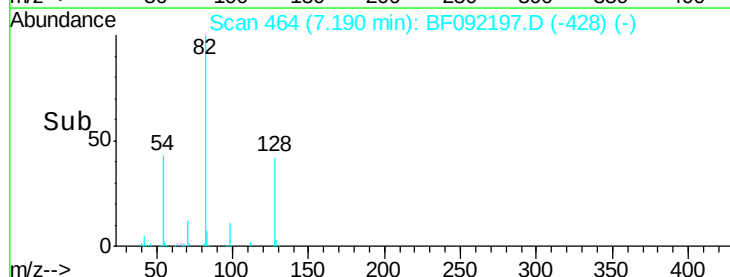
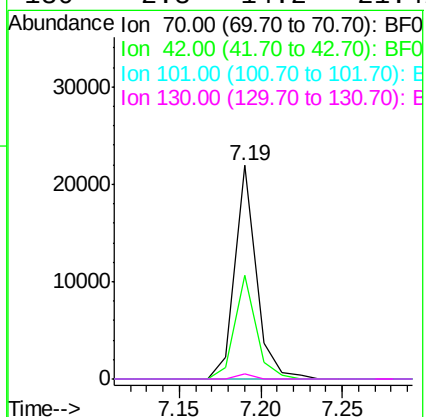
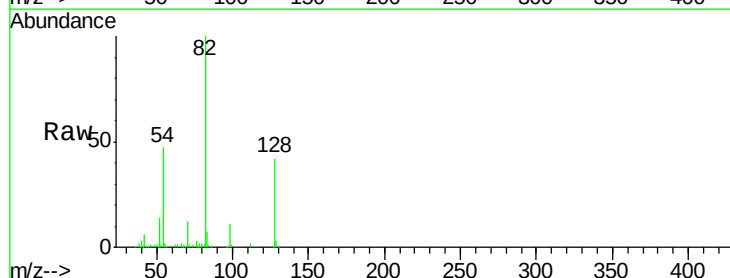
Ion Ratio Lower Upper

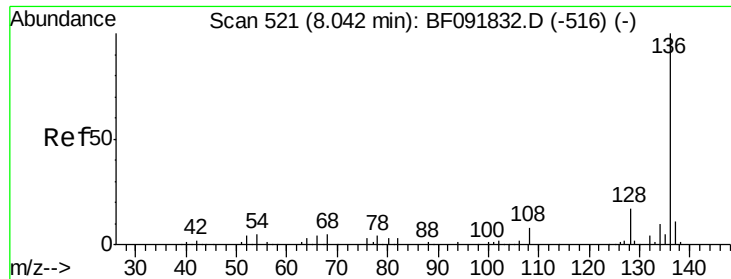
70 100

42 48.3 49.4 74.0#

101 0.0 7.4 11.2#

130 2.3 14.2 21.4#

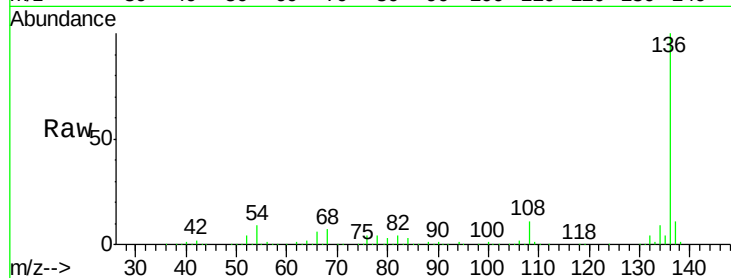




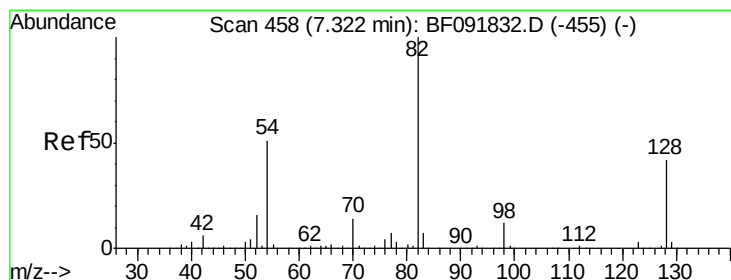
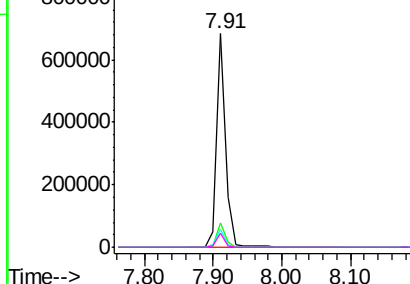
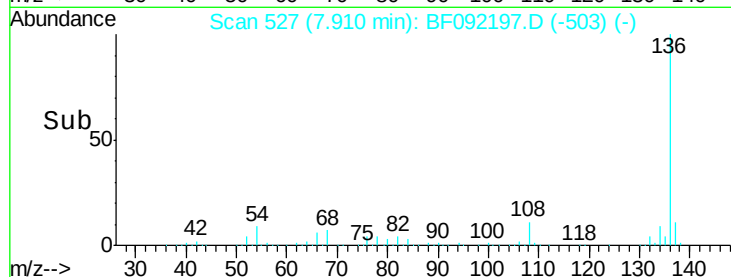
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.91 min Scan# 527
Delta R.T. -0.02 min
Lab File: BF092197.D
Acq: 10 Jan 2017 22:11

Instrument :
BNA_F
ClientSampleId :
POSTEX-29-20170105DL

Tgt Ion:	136	Resp:	632701
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.4	12.6
54	8.6	4.5	6.7#
68	6.5	3.6	5.4#

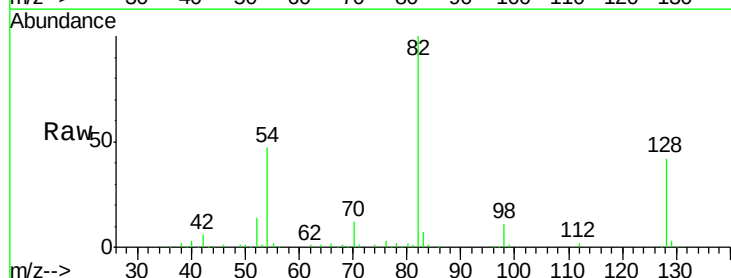


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

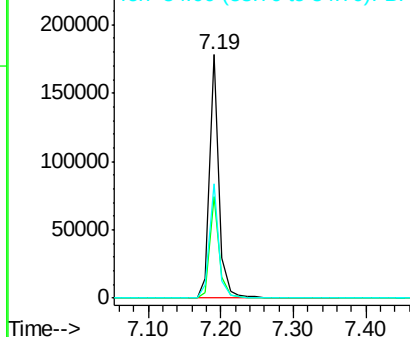
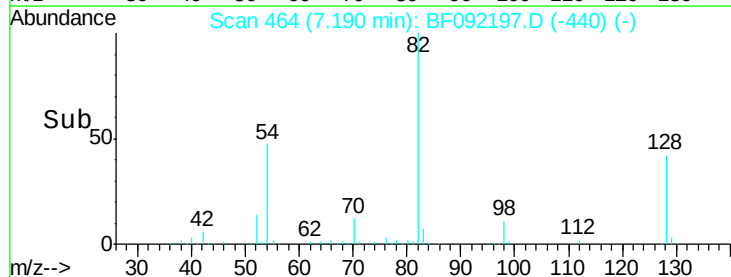


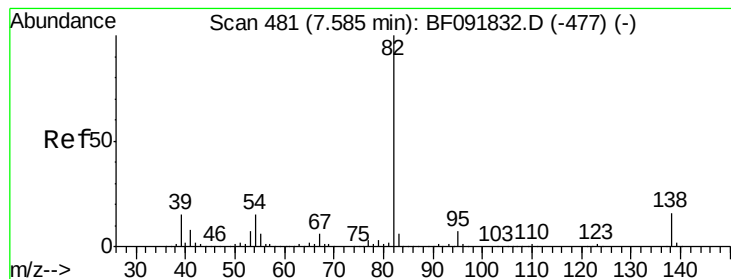
#23
Nitrobenzene-d5
Concen: 14.15 ng
RT: 7.19 min Scan# 464
Delta R.T. -0.02 min
Lab File: BF092197.D
Acq: 10 Jan 2017 22:11

Tgt Ion:	82	Resp:	160961
Ion	Ratio	Lower	Upper
82	100		
128	41.7	34.6	52.0
54	47.1	39.5	59.3



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: 7.19 ng

RT: 7.19 min Scan# 464

Delta R.T. -0.29 min

Lab File: BF092197.D

Acq: 10 Jan 2017 22:11

Instrument :

BNA_F

ClientSampleId :

POSTEX-29-20170105DL

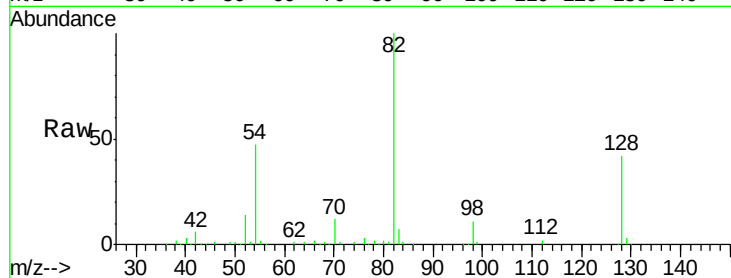
Tgt Ion: 82 Resp: 150964

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

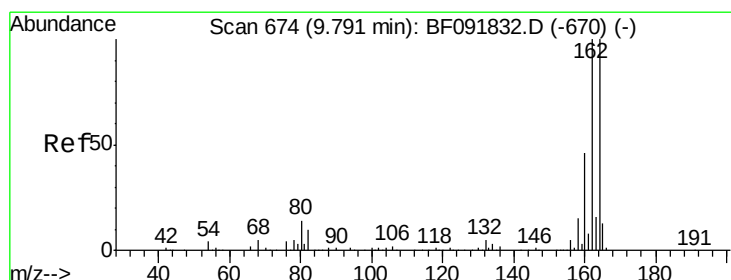
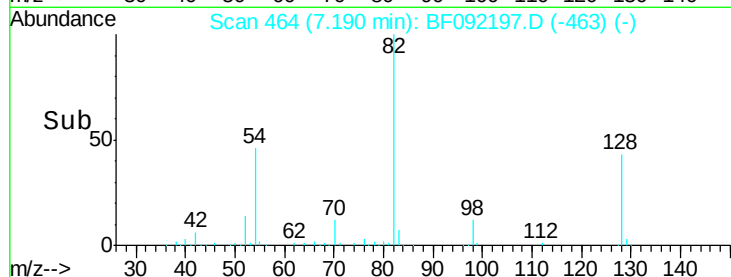
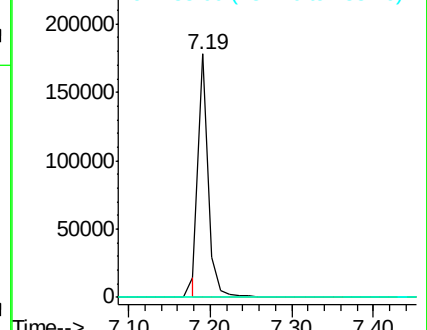
138 0.0 14.6 22.0#



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: 9.66 min Scan# 680

Delta R.T. -0.02 min

Lab File: BF092197.D

Acq: 10 Jan 2017 22:11

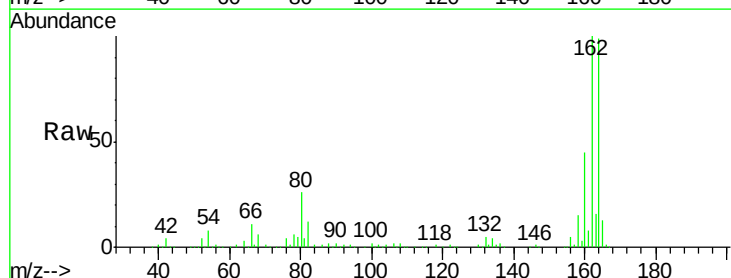
Tgt Ion: 164 Resp: 347935

Ion Ratio Lower Upper

164 100

162 100.9 80.2 120.2

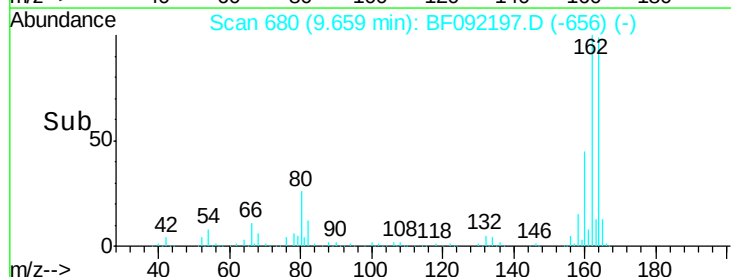
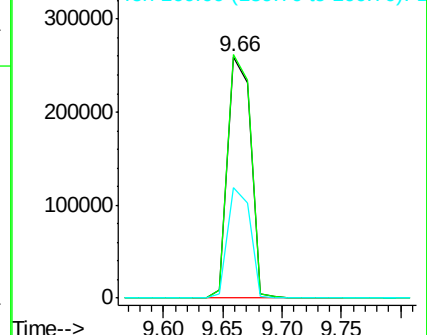
160 45.9 36.9 55.3

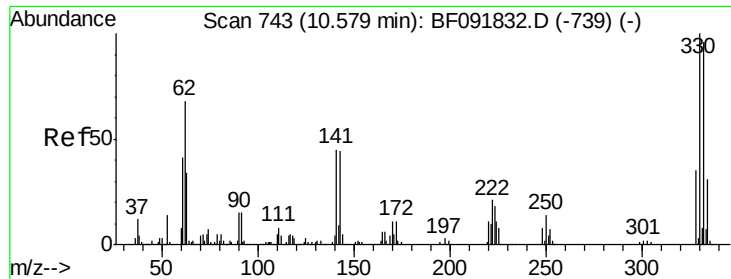


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

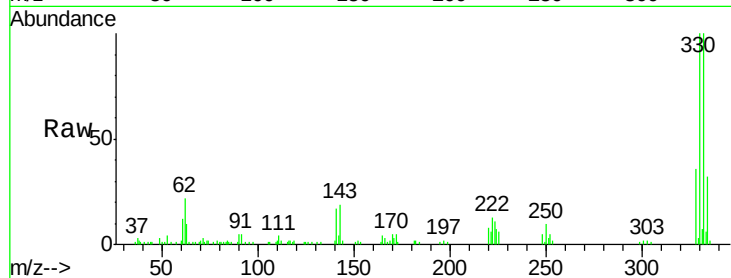




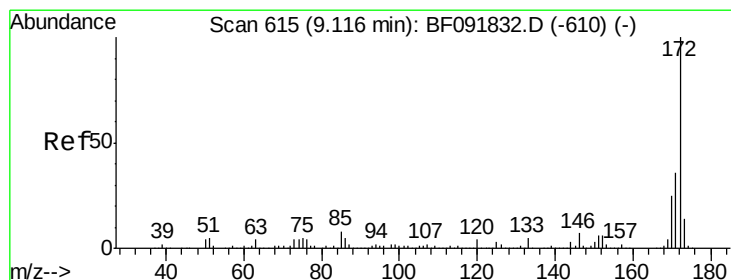
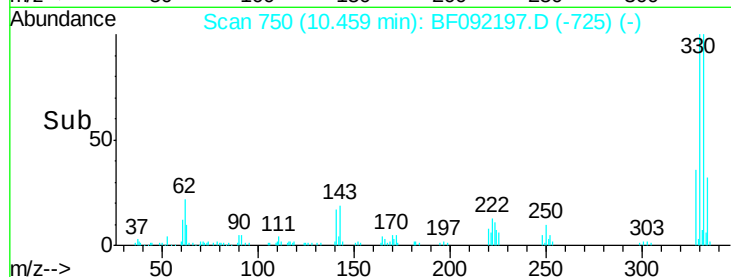
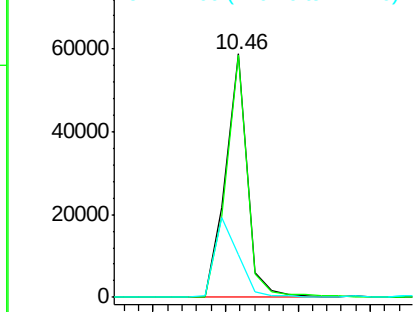
#41
 2,4,6-Tribromophenol
 Concen: 21.16 ng
 RT: 10.46 min Scan# 750
 Delta R.T. -0.01 min
 Lab File: BF092197.D
 Acq: 10 Jan 2017 22:11

Instrument :
 BNA_F
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Tgt Ion:330 Resp: 60922
 Ion Ratio Lower Upper
 330 100
 332 98.0 77.4 116.2
 141 36.0 34.1 51.1

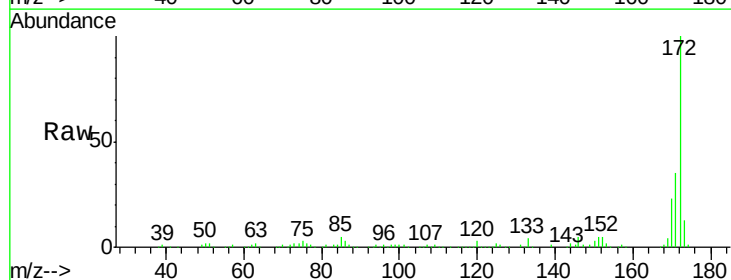


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

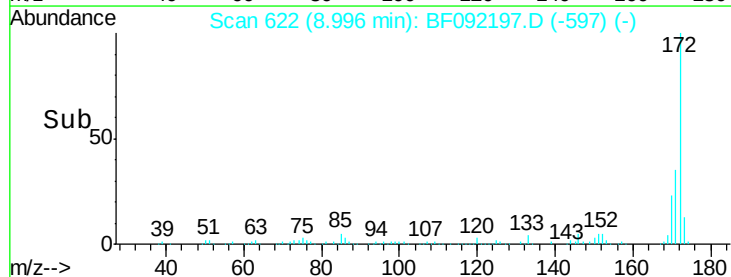
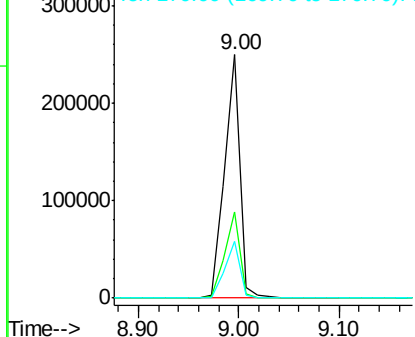


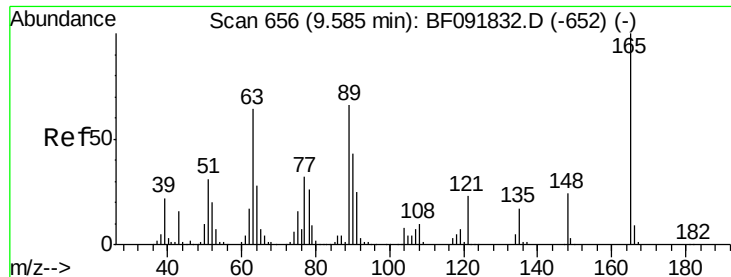
#44
 2-Fluorobiphenyl
 Concen: 3.11 ng
 RT: 9.00 min Scan# 622
 Delta R.T. -0.01 min
 Lab File: BF092197.D
 Acq: 10 Jan 2017 22:11

Tgt Ion:172 Resp: 263903
 Ion Ratio Lower Upper
 172 100
 171 35.4 29.4 44.0
 170 23.3 20.2 30.4



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

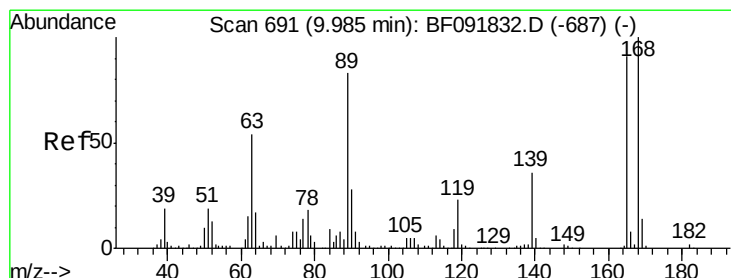
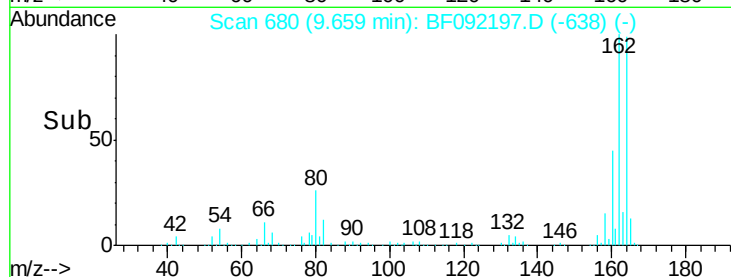
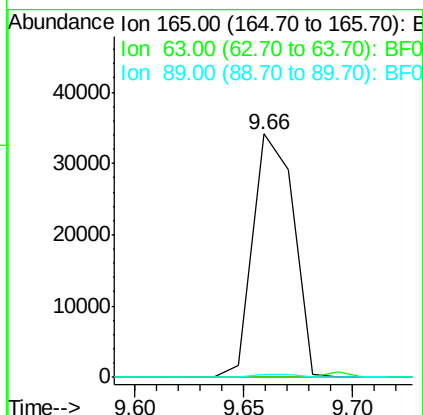
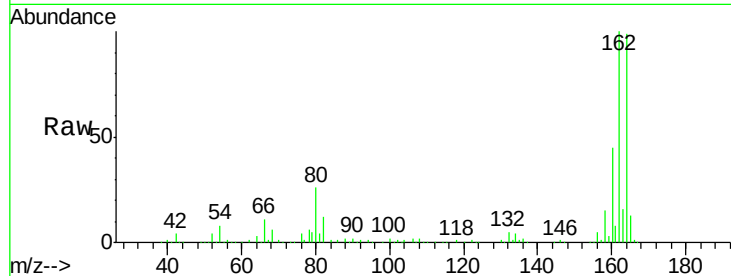




#50
 2,6-Dinitrotoluene
 Concen: 9.21 ng
 RT: 9.66 min Scan# 680
 Delta R.T. 0.18 min
 Lab File: BF092197.D
 Acq: 10 Jan 2017 22:11

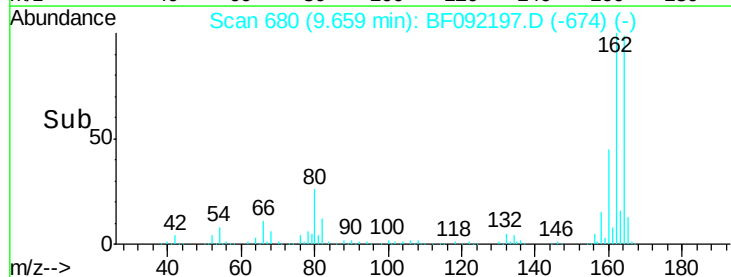
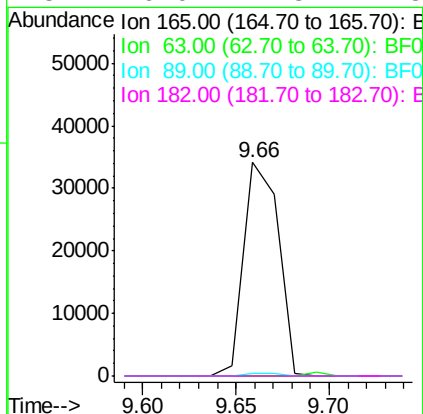
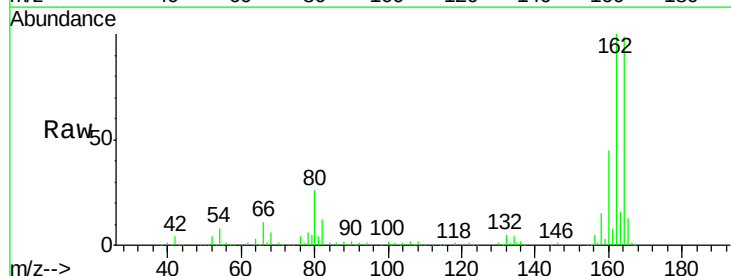
Instrument :
 BNA_F
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 POSTEX-29-20170105DL

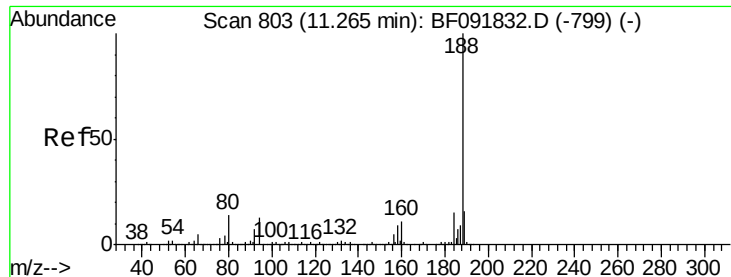
Tgt Ion:165 Resp: 44848
 Ion Ratio Lower Upper
 165 100
 63 0.0 36.2 54.4#
 89 1.4 40.2 60.4#



#56
 2,4-Dinitrotoluene
 Concen: 7.34 ng
 RT: 9.66 min Scan# 680
 Delta R.T. -0.23 min
 Lab File: BF092197.D
 Acq: 10 Jan 2017 22:11

Tgt Ion:165 Resp: 44851
 Ion Ratio Lower Upper
 165 100
 63 0.0 40.2 60.4#
 89 1.4 62.5 93.7#
 182 0.0 1.8 2.8#

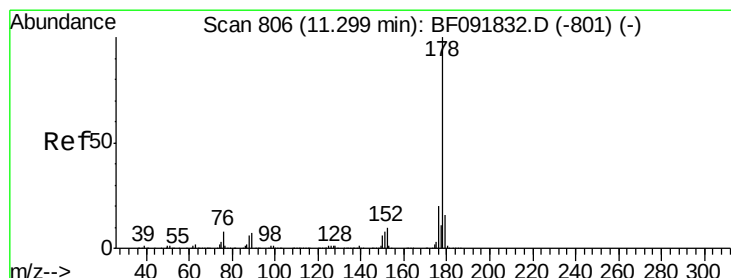
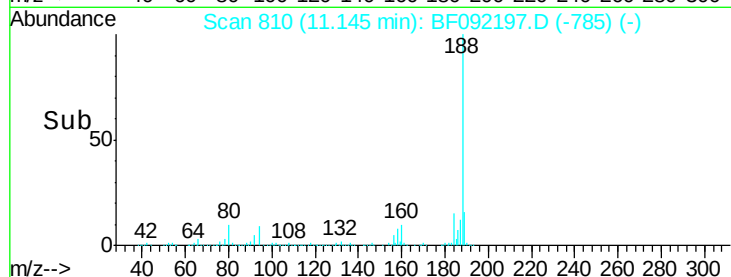
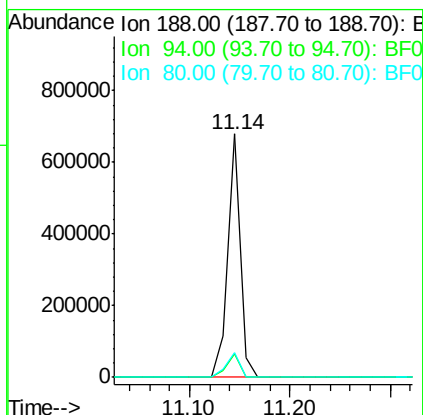
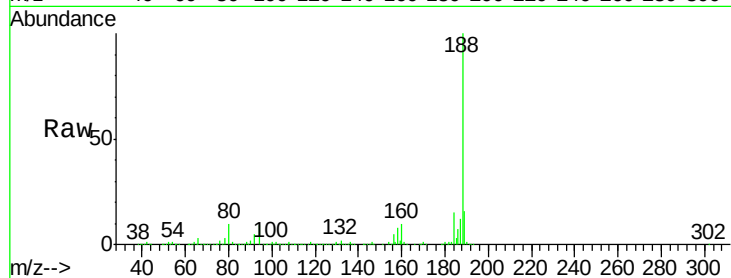




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.14 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF092197.D
Acq: 10 Jan 2017 22:11

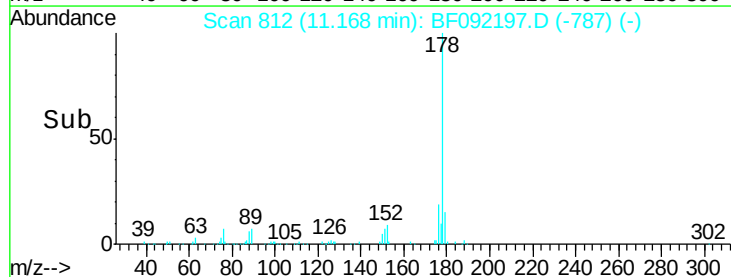
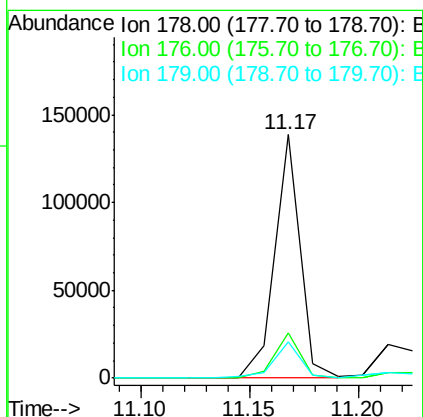
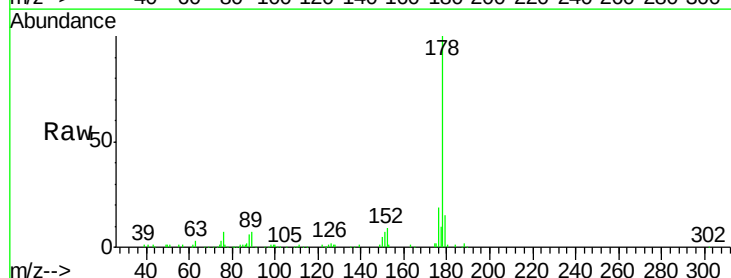
Instrument :
BNA_F
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POSTEX-29-20170105DL

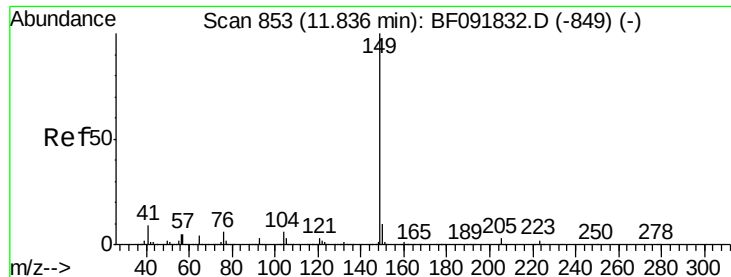
Tgt Ion:188 Resp: 589612
Ion Ratio Lower Upper
188 100
94 9.4 10.0 15.0#
80 10.3 11.2 16.8#



#70
Phenanthrene
Concen: 3.58 ng
RT: 11.17 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF092197.D
Acq: 10 Jan 2017 22:11

Tgt Ion:178 Resp: 114327
Ion Ratio Lower Upper
178 100
176 18.7 16.6 25.0
179 14.8 12.8 19.2





#73

Di-n-butylphthalate

Concen: Below Cal

RT: 11.72 min Scan# 860

Delta R.T. -0.01 min

Lab File: BF092197.D

Acq: 10 Jan 2017 22:11

Instrument :

BNA_F

ClientSampleId :

POSTEX-29-20170105DL

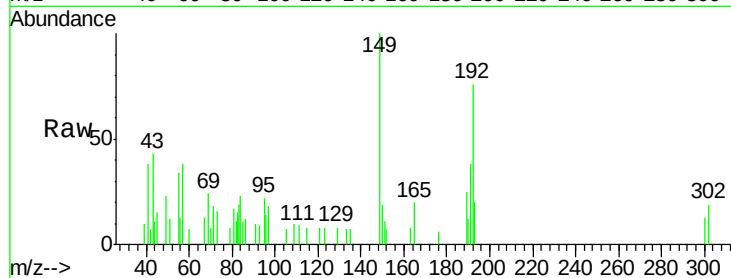
Tgt Ion:149 Resp: 6957

Ion Ratio Lower Upper

149 100

150 19.4 8.1 12.1#

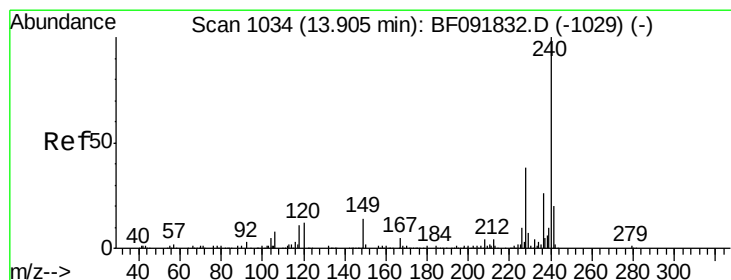
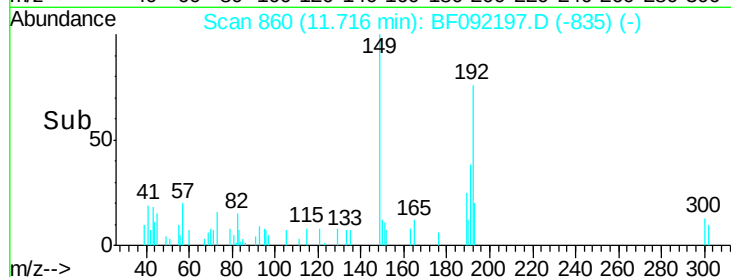
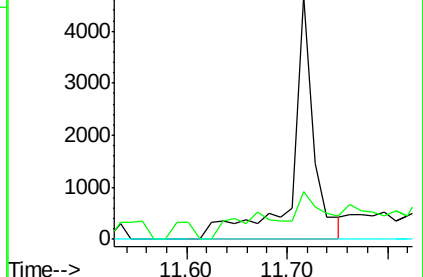
104 0.0 4.6 7.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.77 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BF092197.D

Acq: 10 Jan 2017 22:11

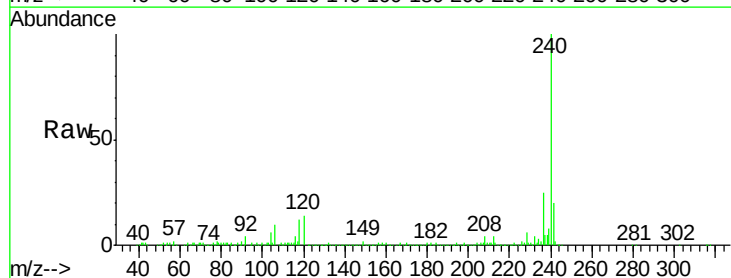
Tgt Ion:240 Resp: 386352

Ion Ratio Lower Upper

240 100

120 13.8 12.9 19.3

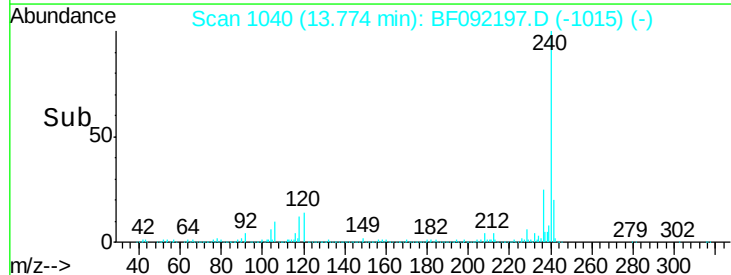
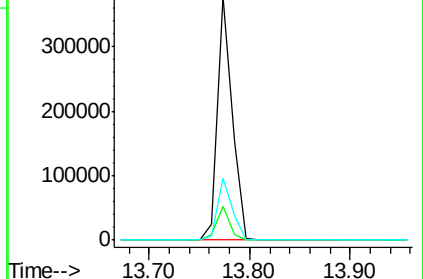
236 25.3 20.9 31.3

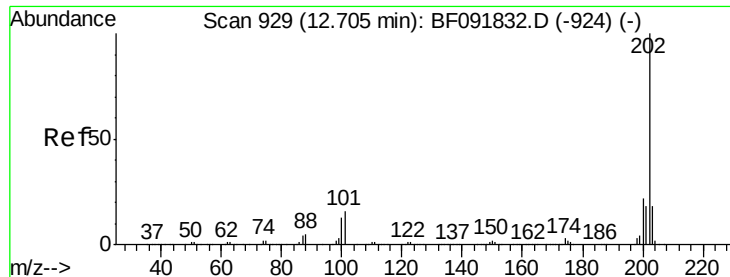


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

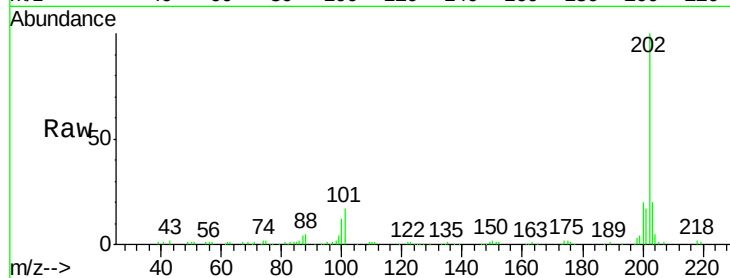




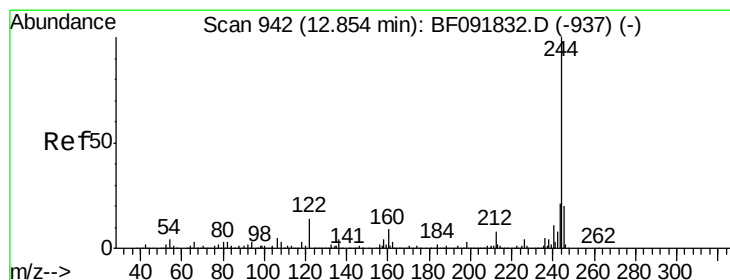
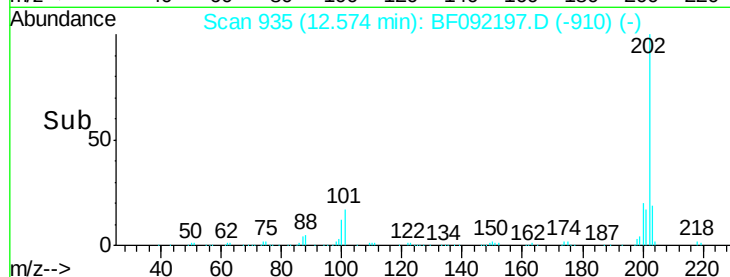
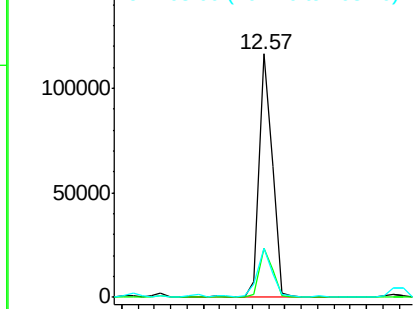
#77
Pyrene
Concen: 4.67 ng
RT: 12.57 min Scan# 935
Delta R.T. -0.01 min
Lab File: BF092197.D
Acq: 10 Jan 2017 22:11

Instrument :
BNA_F
ClientSampleId :
POSTEX-29-20170105DL

Tgt Ion: 202 Resp: 132437
Ion Ratio Lower Upper
202 100
200 20.1 17.7 26.5
203 19.9 14.7 22.1

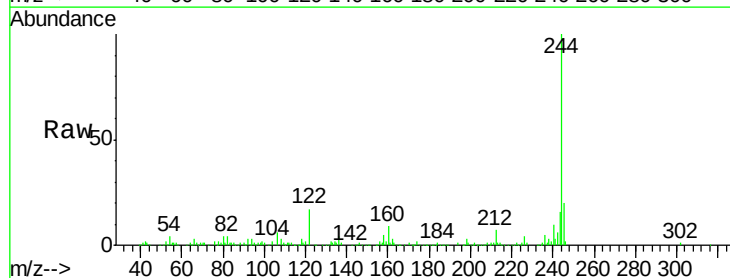


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

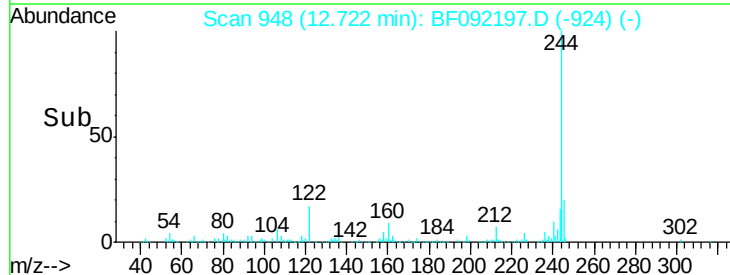
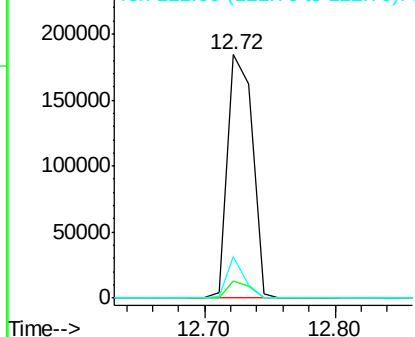


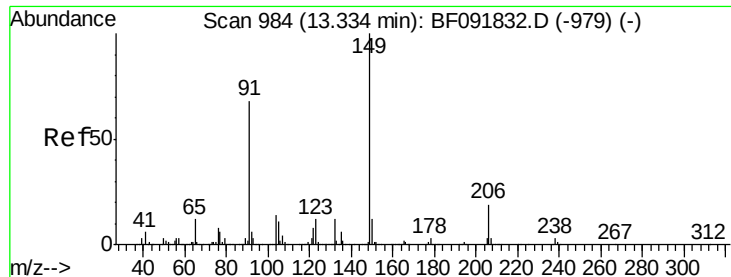
#78
Terphenyl-d14
Concen: 15.34 ng
RT: 12.72 min Scan# 948
Delta R.T. -0.02 min
Lab File: BF092197.D
Acq: 10 Jan 2017 22:11

Tgt Ion: 244 Resp: 244303
Ion Ratio Lower Upper
244 100
212 7.3 6.2 9.2
122 16.8 11.4 17.2



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

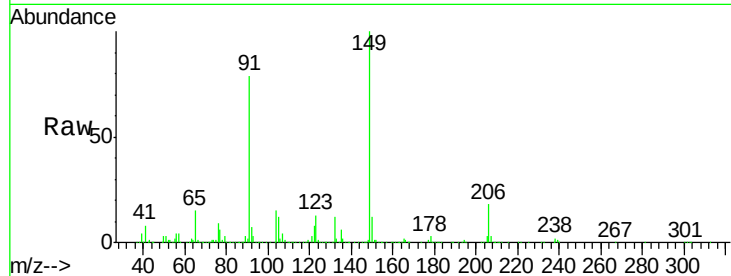




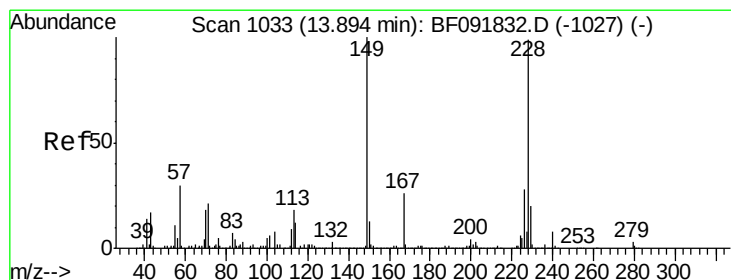
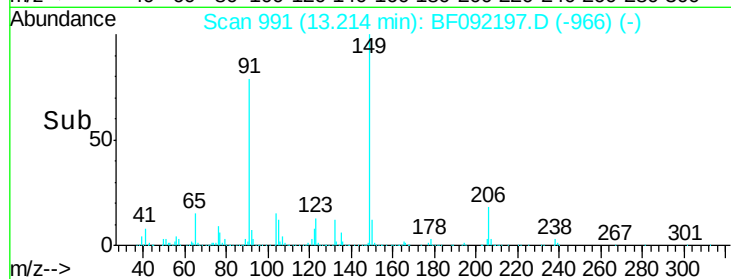
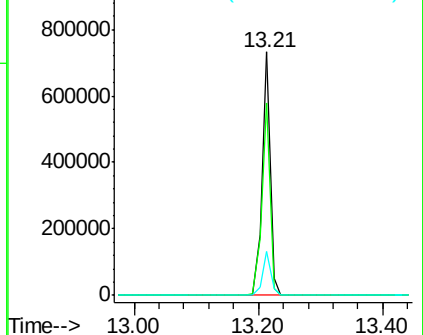
#79
Butylbenzylphthalate
Concen: 51.88 ng
RT: 13.21 min Scan# 991
Delta R.T. -0.01 min
Lab File: BF092197.D
Acq: 10 Jan 2017 22:11

Instrument :
BNA_F
ClientSampleId :
POSTEX-29-20170105DL

Tgt Ion	Ratio	Lower	Upper
149	100		
91	78.9	63.9	95.9
206	18.0	14.6	21.8

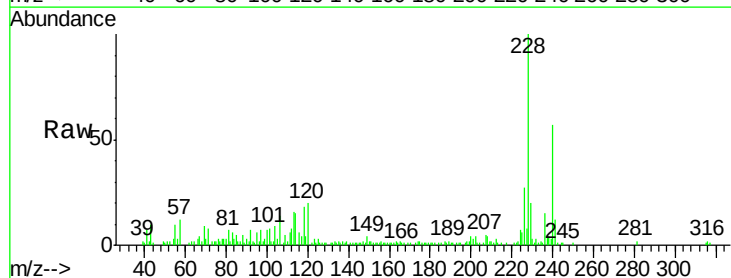


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF0
Ion 206.00 (205.70 to 206.70): E

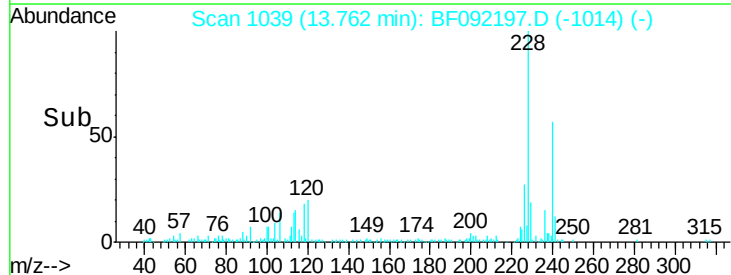
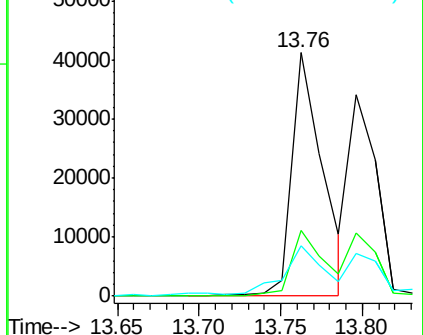


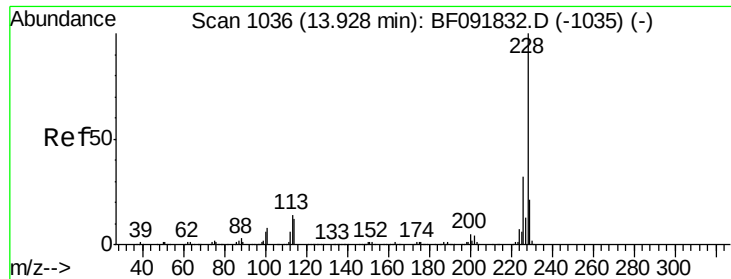
#80
Benzo(a)anthracene
Concen: 2.51 ng
RT: 13.76 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF092197.D
Acq: 10 Jan 2017 22:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.4	33.6
229	20.4	16.2	24.4



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

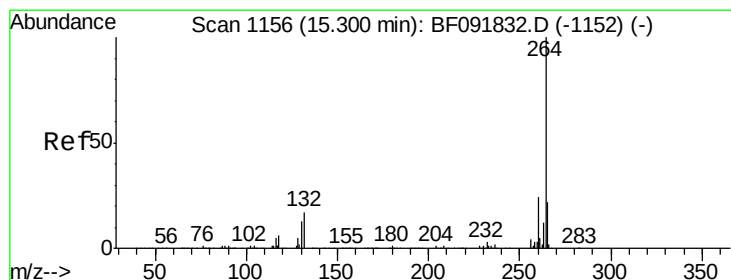
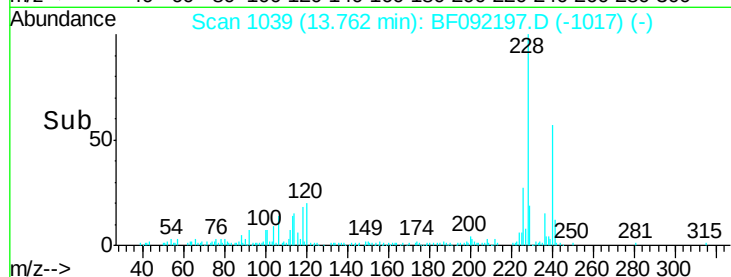
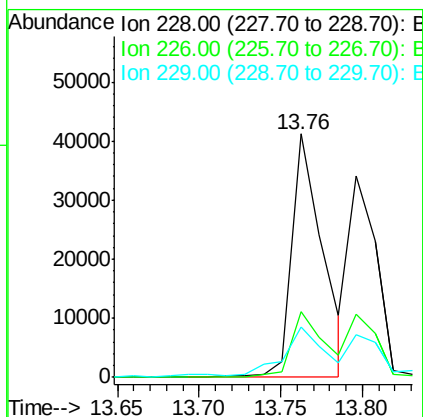
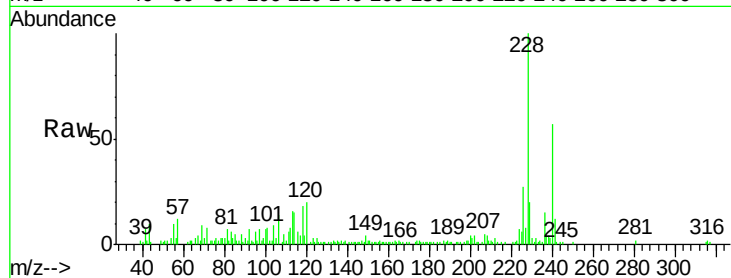




#82
Chrysene
Concen: 2.50 ng
RT: 13.76 min Scan# 1039
Delta R.T. -0.05 min
Lab File: BF092197.D
Acq: 10 Jan 2017 22:11

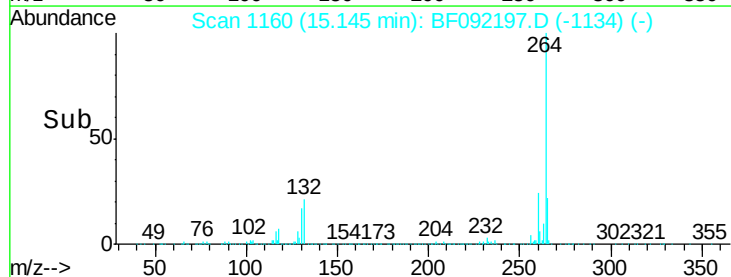
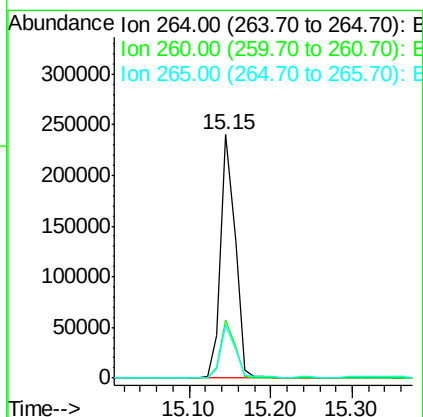
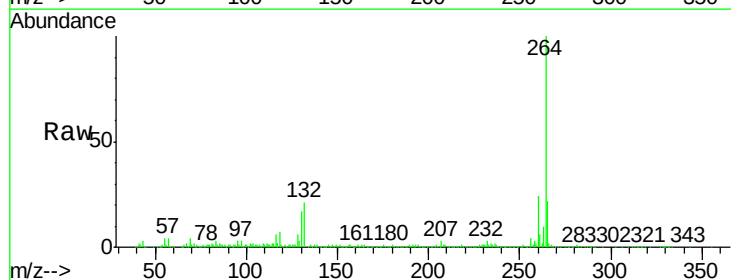
Instrument :
BNA_F
ClientSampleId :
POSTEX-29-20170105DL

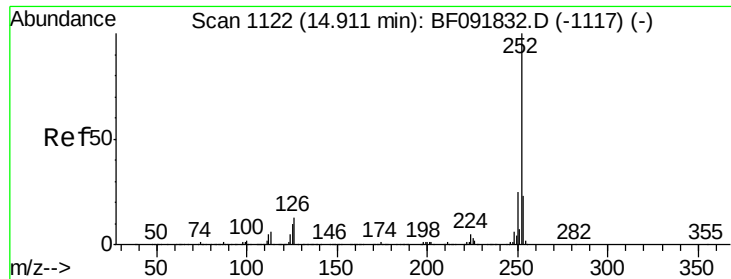
Tgt Ion: 228 Resp: 54726
Ion Ratio Lower Upper
228 100
226 27.1 25.4 38.0
229 20.4 16.2 24.2



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.15 min Scan# 1160
Delta R.T. 0.00 min
Lab File: BF092197.D
Acq: 10 Jan 2017 22:11

Tgt Ion: 264 Resp: 298907
Ion Ratio Lower Upper
264 100
260 24.0 19.2 28.8
265 21.9 17.4 26.0





#87

Benzo(b)fluoranthene

Concen: 3.18 ng

RT: 14.78 min Scan# 1128

Delta R.T. 0.00 min

Lab File: BF092197.D

Acq: 10 Jan 2017 22:11

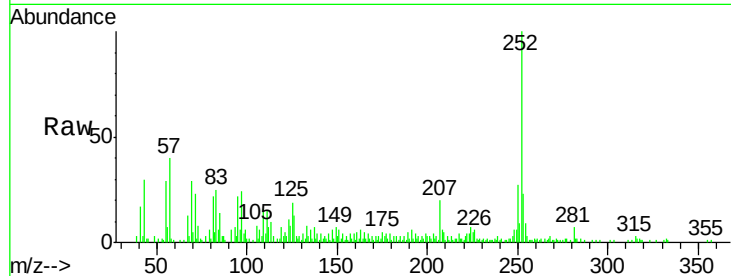
Instrument :

BNA_F

ClientSampleId :

POSTEX-29-20170105DL

Tgt Ion:	252	Resp:	59267
Ion Ratio		Lower	Upper
252	100		
253	23.0	18.2	27.4
125	18.8	9.8	14.6#

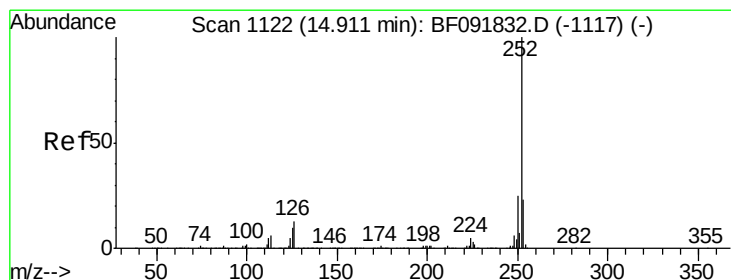
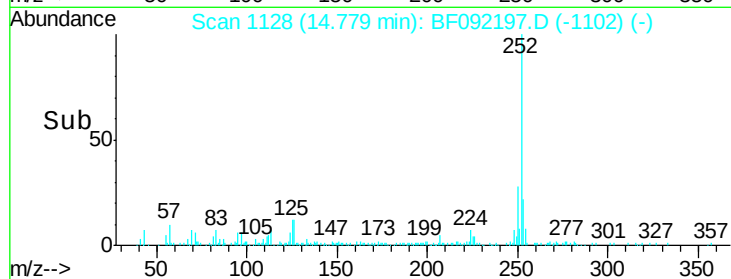
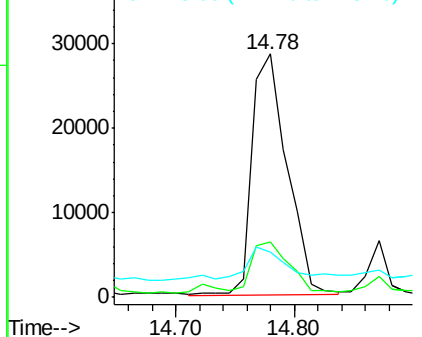


Abundance

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: 3.69 ng

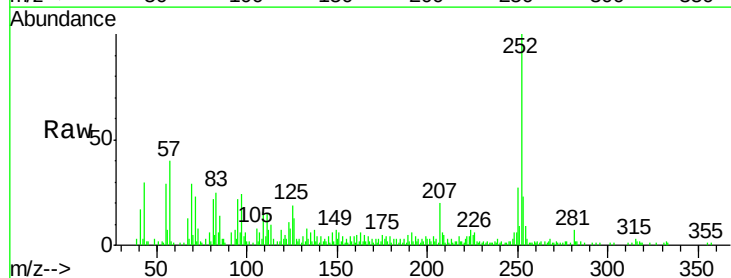
RT: 14.78 min Scan# 1128

Delta R.T. -0.02 min

Lab File: BF092197.D

Acq: 10 Jan 2017 22:11

Tgt Ion:	252	Resp:	58494
Ion Ratio		Lower	Upper
252	100		
253	23.0	18.5	27.7
125	18.8	8.9	13.3#



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

