

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010917\
 Data File : BF092145.D
 Acq On : 9 Jan 2017 18:48
 Operator : UM/SJ
 Sample : I1050-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 POSTEX-29-20170105

Quant Time: Jan 09 22:32:49 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	6.63	152	159893	20.00	ng	-0.01
21) Naphthalene-d8	7.92	136	645395	20.00	ng	-0.01
38) Acenaphthene-d10	9.67	164	339364	20.00	ng	-0.01
63) Phenanthrene-d10	11.14	188	525084	20.00	ng	-0.01
75) Chrysene-d12	13.77	240	341303	20.00	ng	-0.01
86) Perylene-d12	15.15	264	332713	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.24	112	1018488	106.36	ng	0.00
7) Phenol-d6	6.30	99	1232668	105.43	ng	-0.01
23) Nitrobenzene-d5	7.20	82	841863	72.53	ng	-0.01
41) 2,4,6-Tribromophenol	10.46	330	272599	97.06	ng	-0.01
44) 2-Fluorobiphenyl	9.00	172	1117142	64.31	ng	-0.01
78) Terphenyl-d14	12.73	244	925002	65.73	ng	-0.01

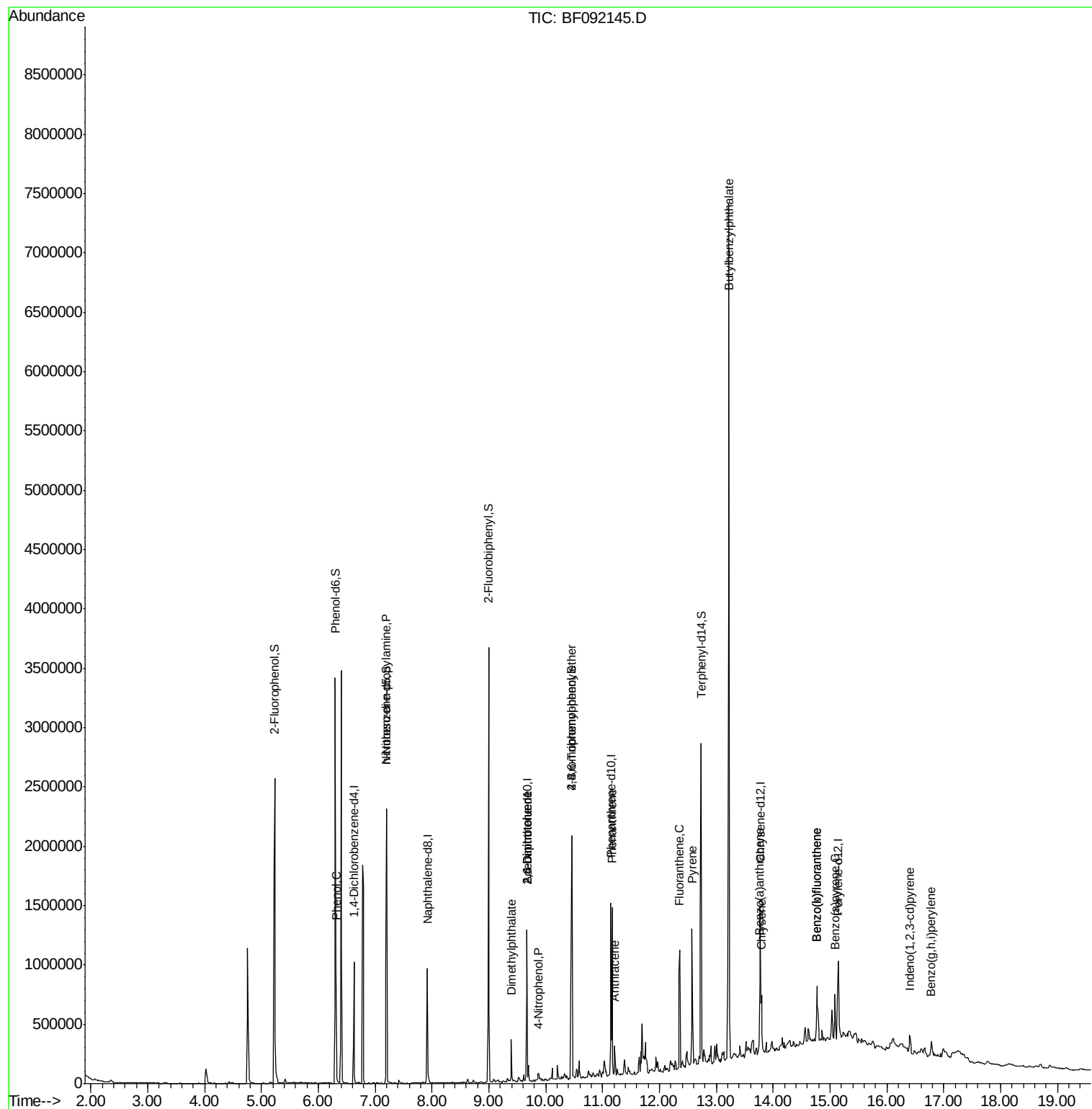
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.17	77	1402	Below Cal	#	85
10) Phenol	6.31	94	77061	5.78	ng	83
19) n-Nitroso-di-n-propylamine	7.20	70	111946	14.39	ng	# 74
49) Dimethylphthalate	9.40	163	130661	6.02	ng	99
50) 2,6-Dinitrotoluene	9.67	165	45546	9.59	ng	# 30
55) 4-Nitrophenol	9.86	139	10226	2.56	ng	# 10
56) 2,4-Dinitrotoluene	9.67	165	45543	7.64	ng	# 19
66) 4-Bromophenyl-phenylether	10.46	248	17544	3.21	ng	# 1
70) Phenanthrene	11.17	178	496690	17.44	ng	98
71) Anthracene	11.21	178	115882	3.00	ng	98
73) Di-n-butylphthalate	11.72	149	17019	Below Cal	#	82
74) Fluoranthene	12.36	202	567031	20.63	ng	91
76) Benzidine	12.40	184	940	Below Cal	#	1
77) Pyrene	12.57	202	512897	20.48	ng	97
79) Butylbenzylphthalate	13.23	149	2014752	176.90	ng	100
80) Benzo(a)anthracene	13.76	228	242523	12.59	ng	99
82) Chrysene	13.80	228	177066	9.16	ng	96
85) Indeno(1,2,3-cd)pyrene	16.40	276	105877	6.32	ng	95
87) Benzo(b)fluoranthene	14.77	252	317839	15.34	ng	98
88) Benzo(k)fluoranthene	14.77	252	317839	17.99	ng	# 97
89) Benzo(a)pyrene	15.09	252	169960	9.24	ng	98
91) Benzo(g,h,i)perylene	16.78	276	97838	6.23	ng	# 94

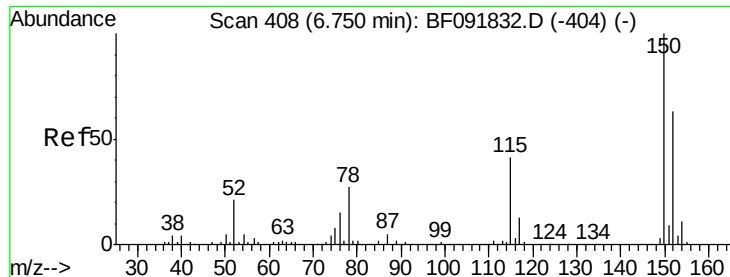
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.63 min Scan# 415

Delta R.T. -0.01 min

Lab File: BF092145.D

Acq: 9 Jan 2017 18:48

Instrument :

BNA_F

ClientSampleId :

POSTEX-29-20170105

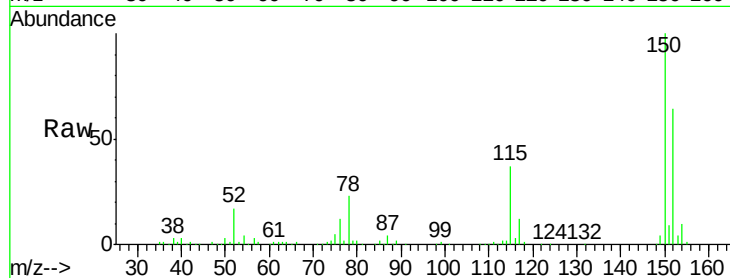
Tgt Ion:152 Resp: 159893

Ion Ratio Lower Upper

152 100

150 156.8 124.9 187.3

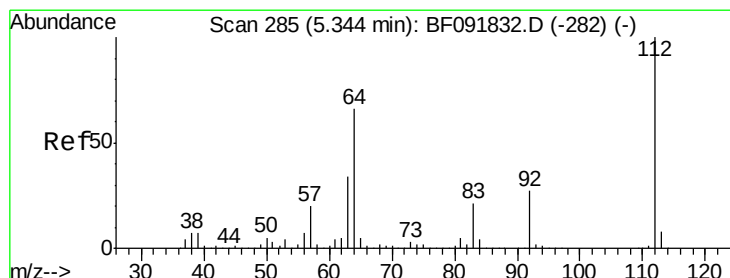
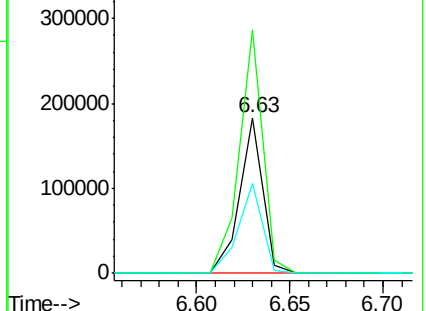
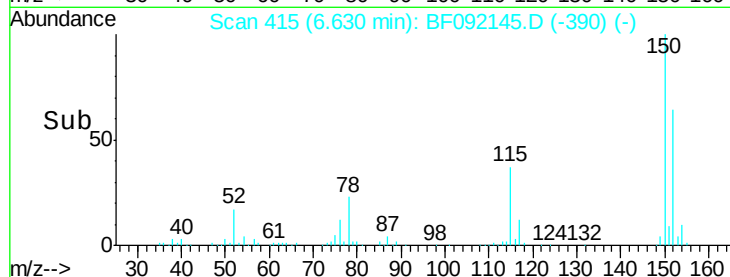
115 57.8 46.0 69.0



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: 106.36 ng

RT: 5.24 min Scan# 293

Delta R.T. 0.00 min

Lab File: BF092145.D

Acq: 9 Jan 2017 18:48

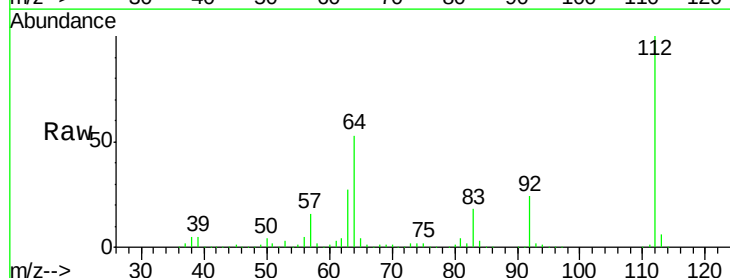
Tgt Ion:112 Resp: 1018488

Ion Ratio Lower Upper

112 100

64 53.3 46.1 69.1

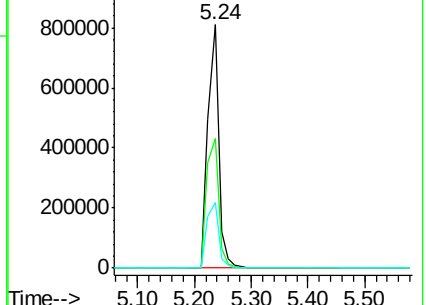
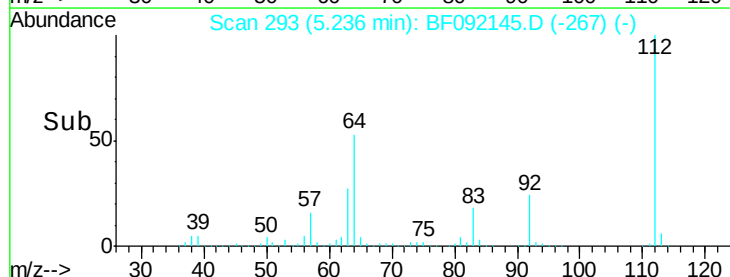
63 26.9 23.8 35.6

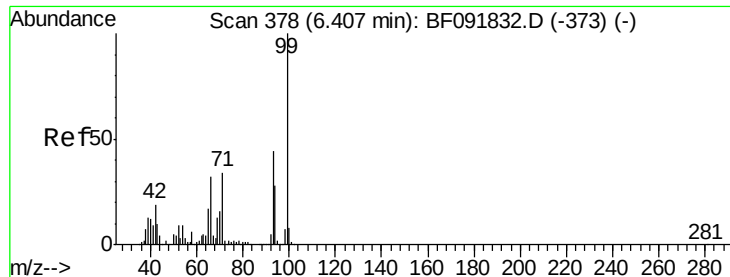


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 105.43 ng

RT: 6.30 min Scan# 386

Delta R.T. -0.01 min

Lab File: BF092145.D

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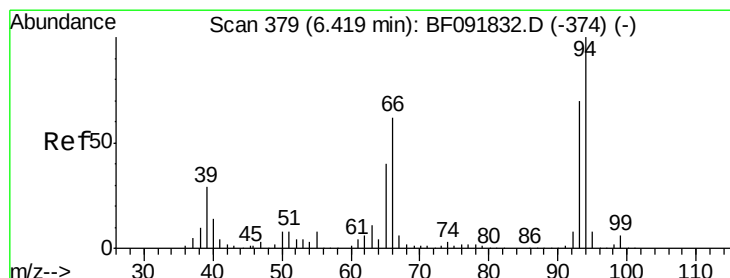
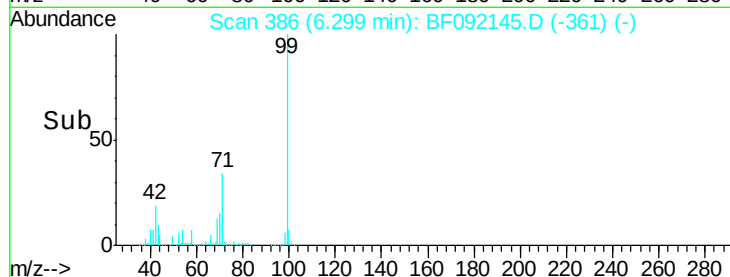
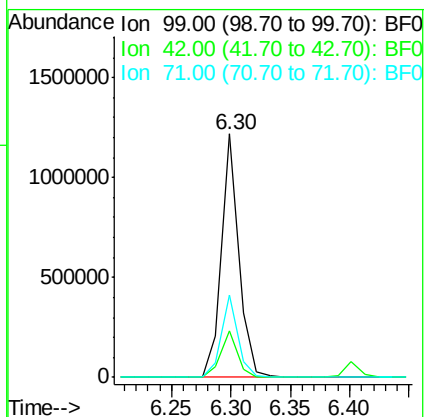
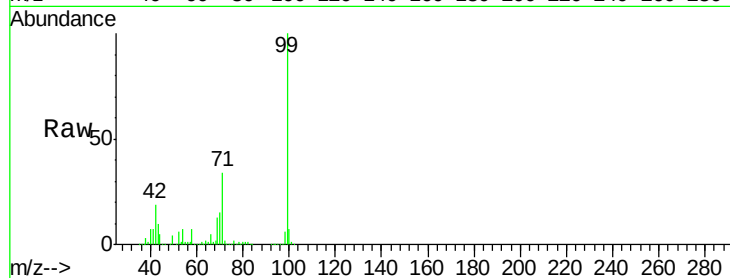
Tgt Ion: 99 Resp: 1232668

Ion Ratio Lower Upper

99 100

42 19.1 15.6 23.4

71 33.8 27.5 41.3



#10

Phenol

Concen: 5.78 ng

RT: 6.31 min Scan# 387

Delta R.T. -0.01 min

Lab File: BF092145.D

Acq: 9 Jan 2017 18:48

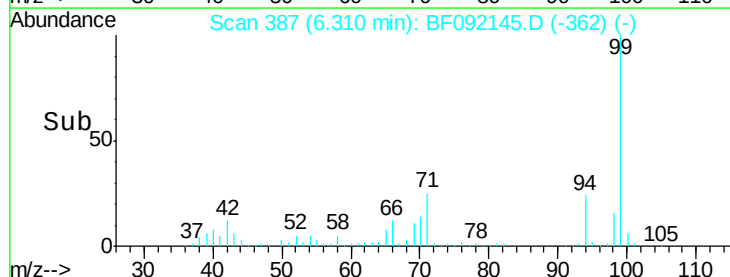
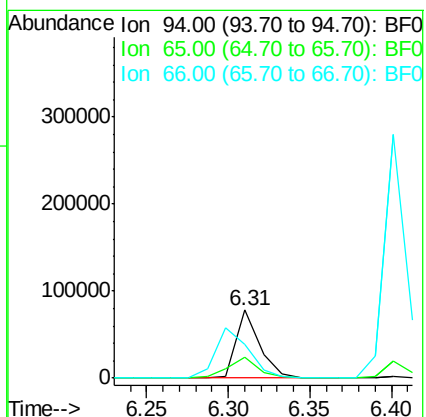
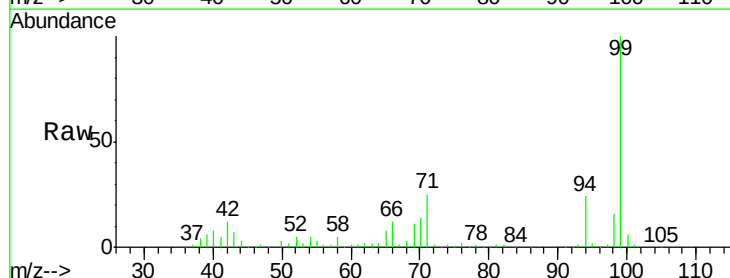
Tgt Ion: 94 Resp: 77061

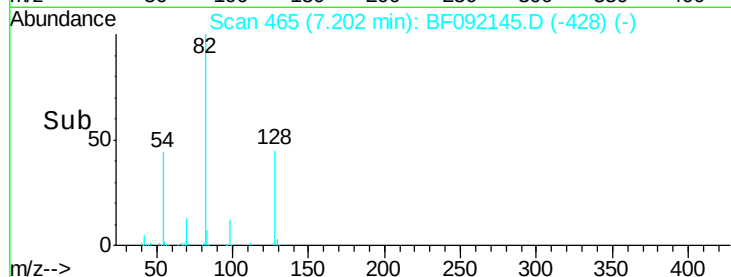
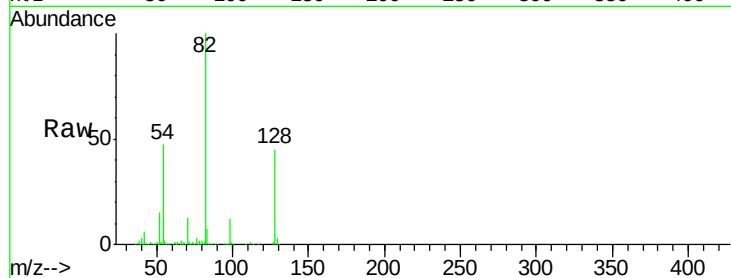
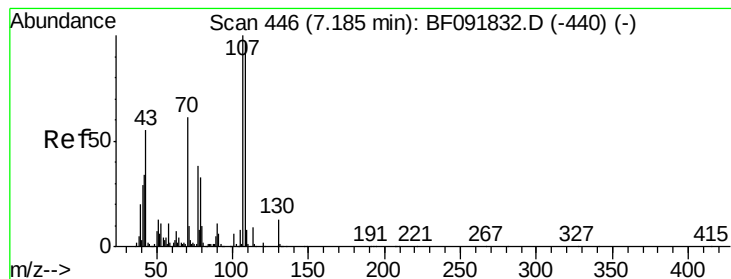
Ion Ratio Lower Upper

94 100

65 31.5 21.4 61.4

66 50.2 44.0 84.0





#19

n-Nitroso-di-n-propylamine

Concen: 14.39 ng

RT: 7.20 min Scan# 465

Delta R.T. 0.13 min

Lab File: BF092145.D

Acq: 9 Jan 2017 18:48

Instrument :

BNA_F

ClientSampleId :

POSTEX-29-20170105

Tgt Ion: 70 Resp: 111946

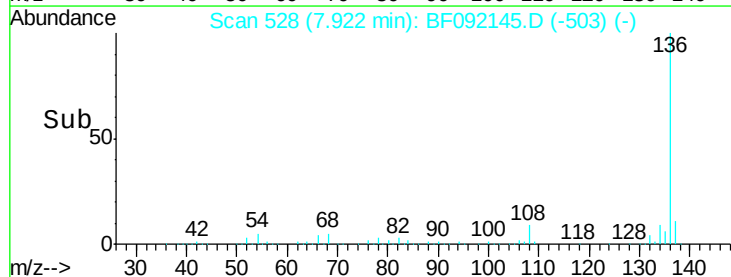
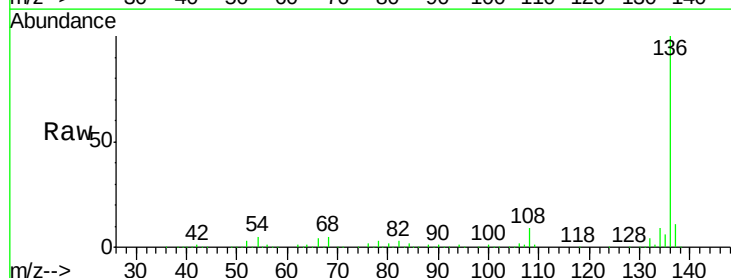
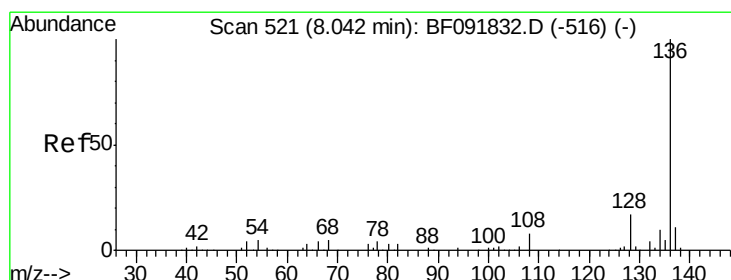
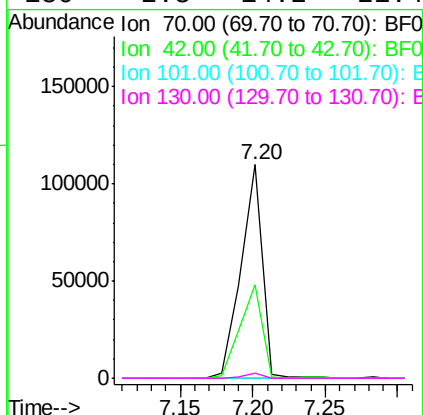
Ion Ratio Lower Upper

70 100

42 43.7 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: 7.92 min Scan# 528

Delta R.T. -0.01 min

Lab File: BF092145.D

Acq: 9 Jan 2017 18:48

Tgt Ion: 136 Resp: 645395

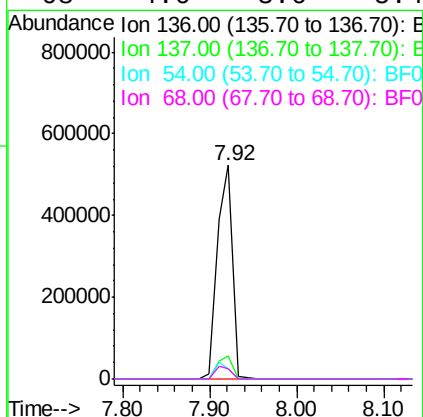
Ion Ratio Lower Upper

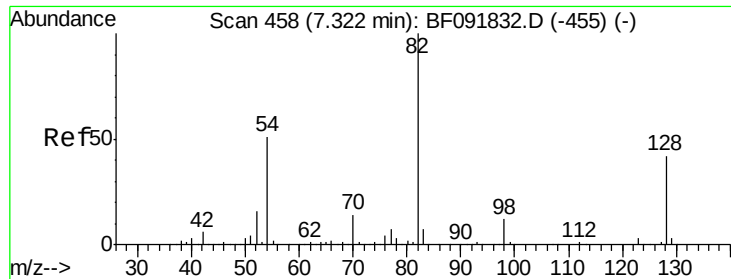
136 100

137 10.7 8.4 12.6

54 5.1 4.5 6.7

68 4.6 3.6 5.4

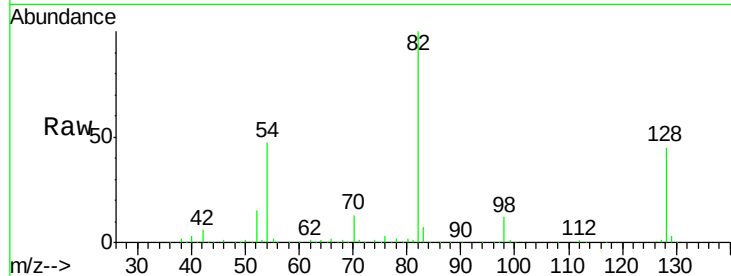




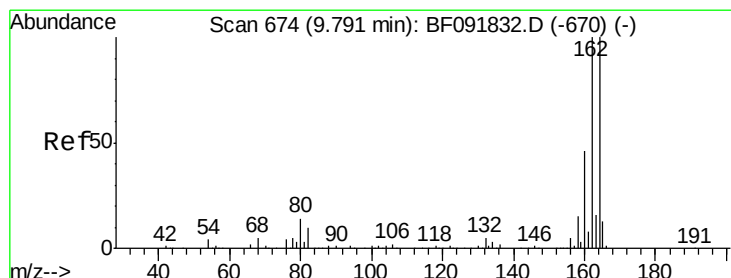
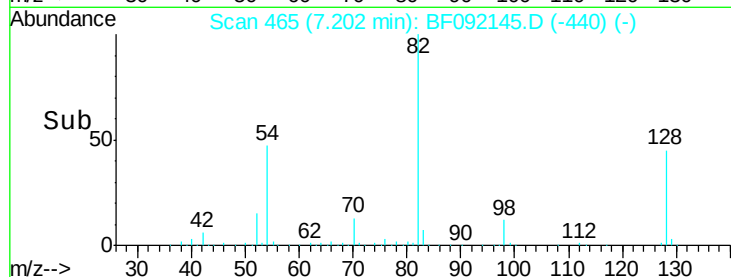
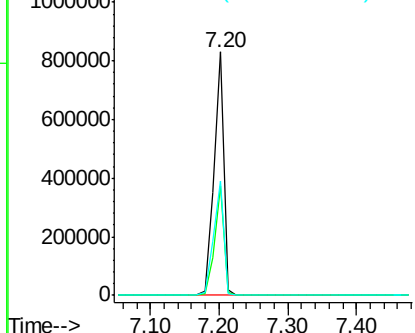
#23
 Nitrobenzene-d5
 Concen: 72.53 ng
 RT: 7.20 min Scan# 465
 Delta R.T. -0.01 min
 Lab File: BF092145.D
 Acq: 9 Jan 2017 18:48

Instrument :
 BNA_F
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 POSTEX-29-20170105

Tgt Ion: 82 Resp: 841863
 Ion Ratio Lower Upper
 82 100
 128 44.8 34.6 52.0
 54 47.0 39.5 59.3

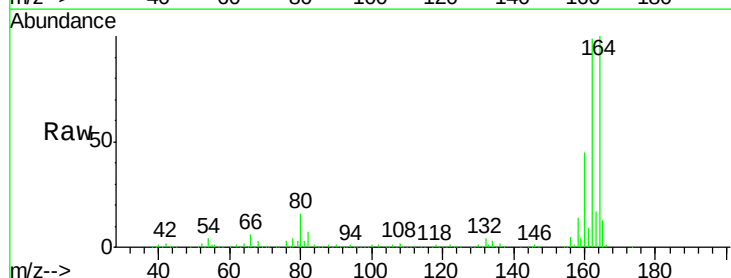


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

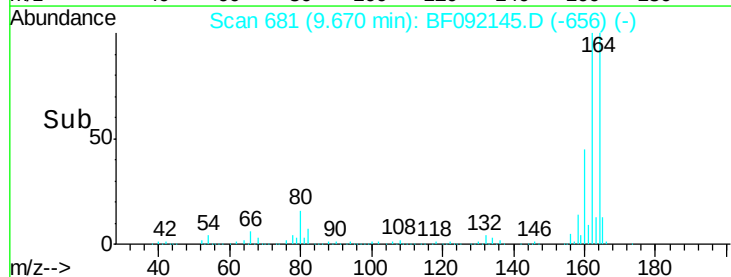
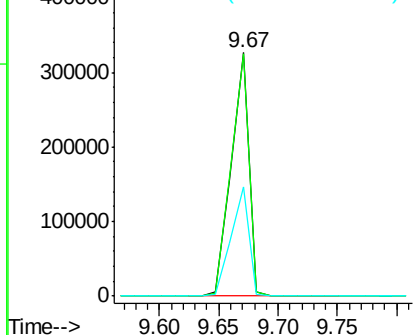


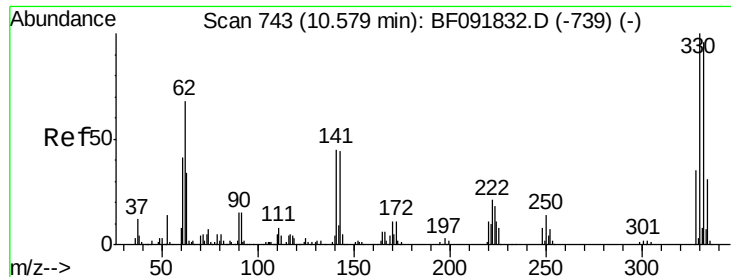
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.67 min Scan# 681
 Delta R.T. -0.01 min
 Lab File: BF092145.D
 Acq: 9 Jan 2017 18:48

Tgt Ion: 164 Resp: 339364
 Ion Ratio Lower Upper
 164 100
 162 99.4 80.2 120.2
 160 44.9 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

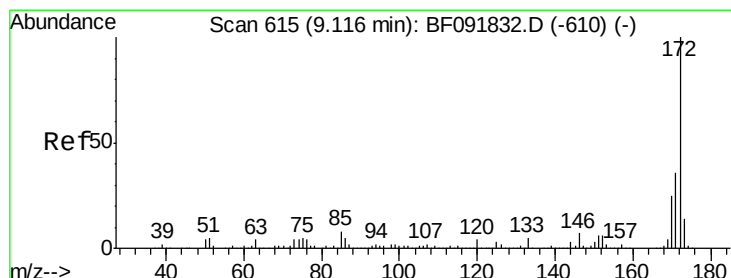
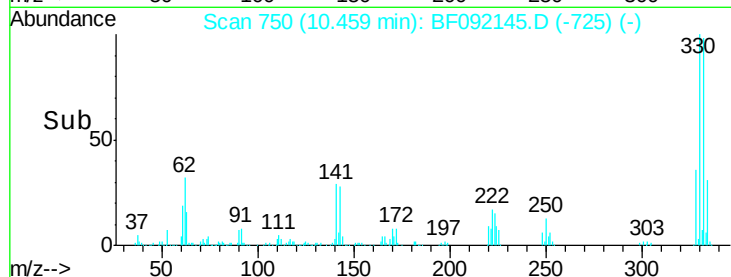
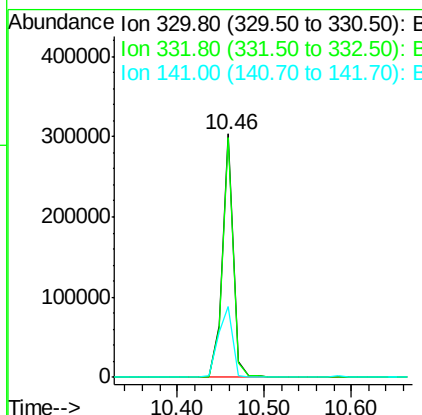
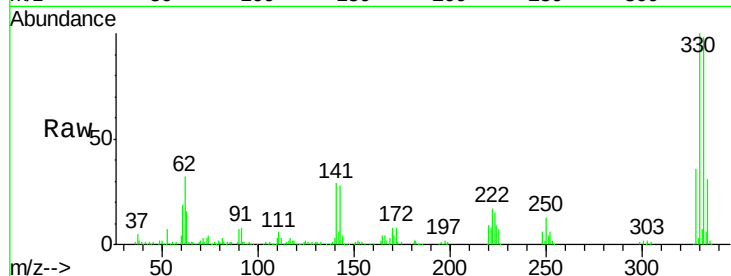




#41
 2,4,6-Tribromophenol
 Concen: 97.06 ng
 RT: 10.46 min Scan# 750
 Delta R.T. -0.01 min
 Lab File: BF092145.D
 Acq: 9 Jan 2017 18:48

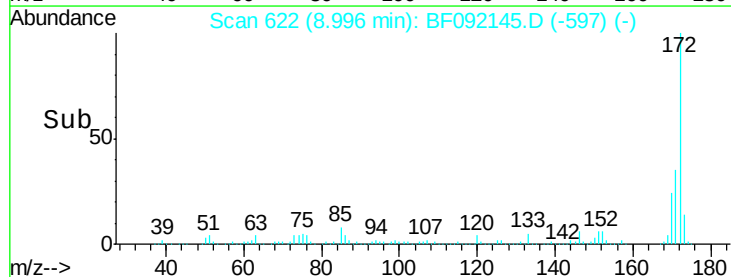
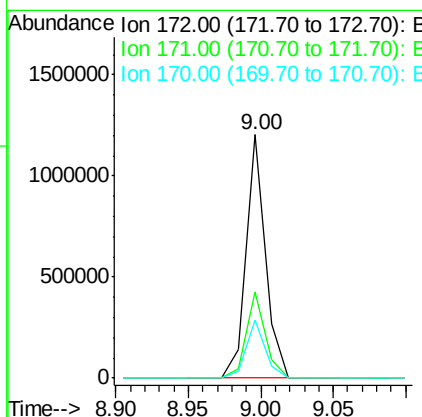
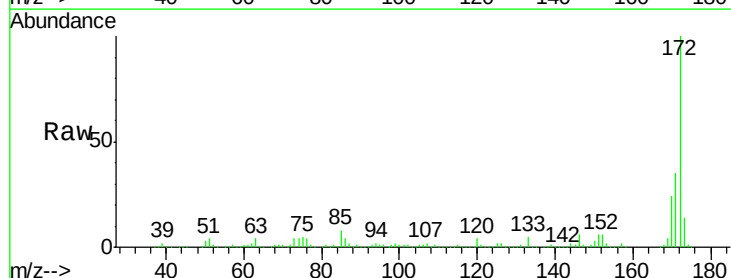
Instrument :
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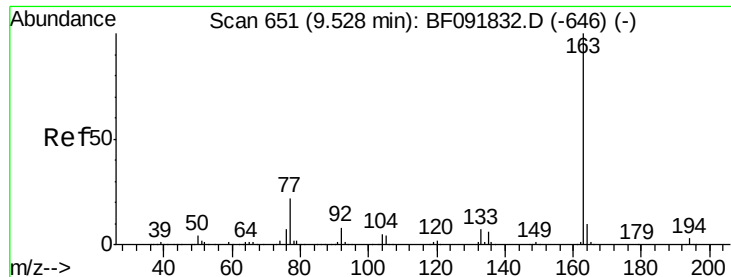
Tgt Ion:330 Resp: 272599
 Ion Ratio Lower Upper
 330 100
 332 97.9 77.4 116.2
 141 37.9 34.1 51.1



#44
 2-Fluorobiphenyl
 Concen: 64.31 ng
 RT: 9.00 min Scan# 622
 Delta R.T. -0.01 min
 Lab File: BF092145.D
 Acq: 9 Jan 2017 18:48

Tgt Ion:172 Resp: 1117142
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.4 44.0
 170 24.0 20.2 30.4

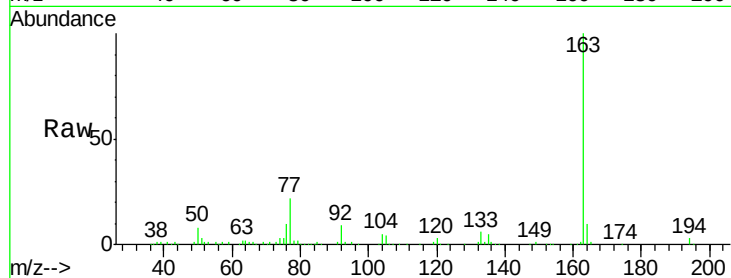




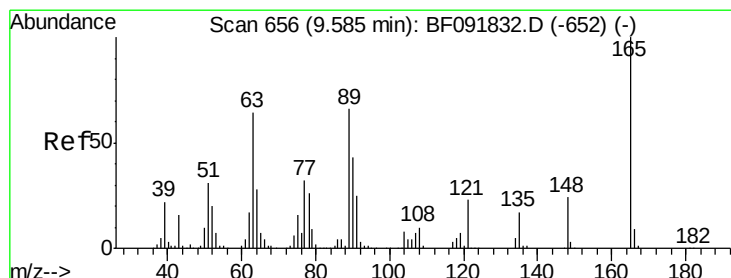
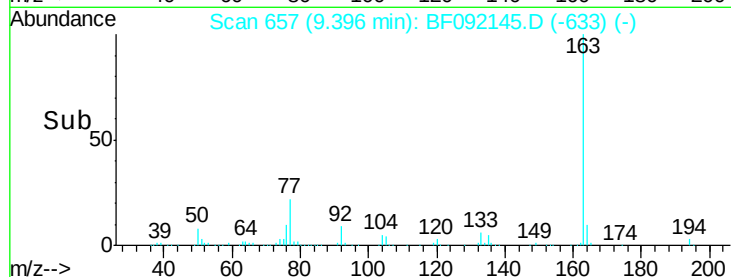
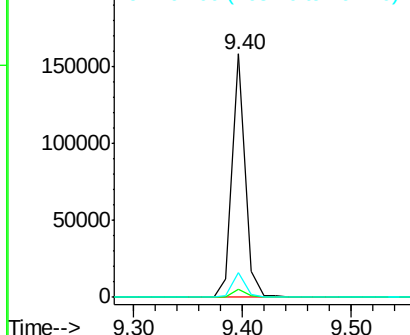
#49
Dimethylphthalate
Concen: 6.02 ng
RT: 9.40 min Scan# 657
Delta R.T. -0.02 min
Lab File: BF092145.D
Acq: 9 Jan 2017 18:48

Instrument :
BNA_F
ClientSampleId :
POSTEX-29-20170105

Tgt Ion:163 Resp: 130661
Ion Ratio Lower Upper
163 100
194 3.4 3.0 4.4
164 10.3 8.0 12.0

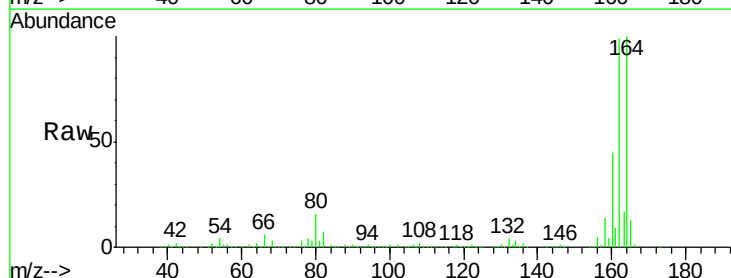


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

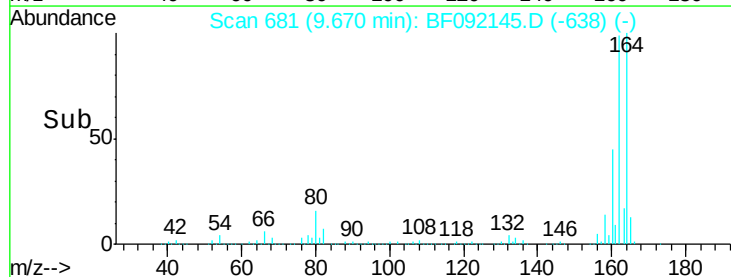
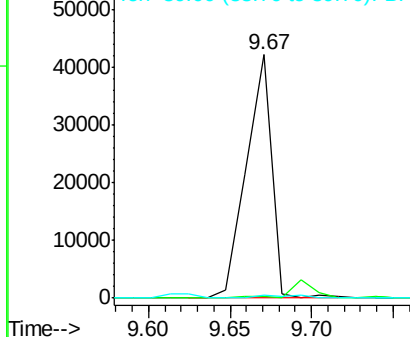


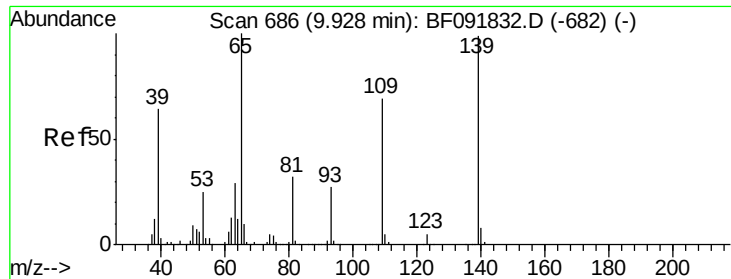
#50
2,6-Dinitrotoluene
Concen: 9.59 ng
RT: 9.67 min Scan# 681
Delta R.T. 0.19 min
Lab File: BF092145.D
Acq: 9 Jan 2017 18:48

Tgt Ion:165 Resp: 45546
Ion Ratio Lower Upper
165 100
63 0.8 36.2 54.4#
89 1.1 40.2 60.4#



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





#55

4-Nitrophenol

Concen: 2.56 ng

RT: 9.86 min Scan# 698

Delta R.T. 0.03 min

Lab File: BF092145.D

Acq: 9 Jan 2017 18:48

Instrument :

BNA_F

ClientSampleId :

POSTEX-29-20170105

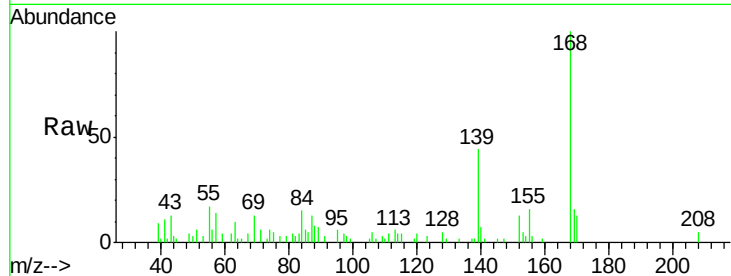
Tgt Ion:139 Resp: 10226

Ion Ratio Lower Upper

139 100

109 7.4 52.2 92.2#

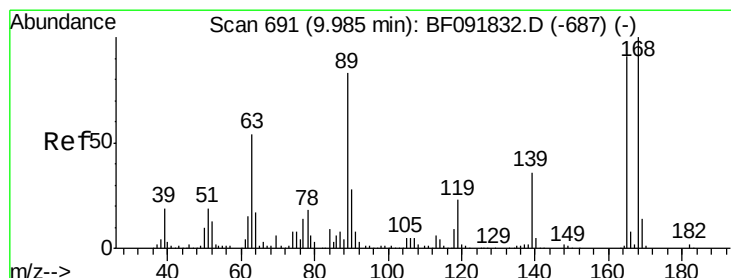
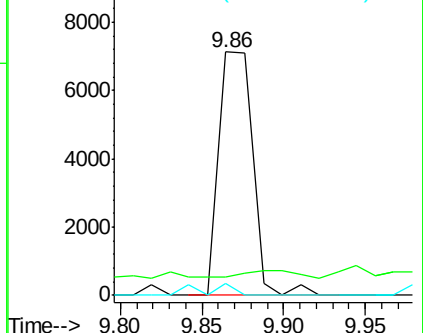
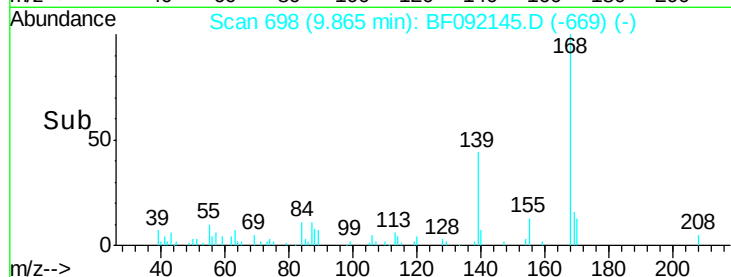
65 4.8 85.8 125.8#



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



#56

2,4-Dinitrotoluene

Concen: 7.64 ng

RT: 9.67 min Scan# 681

Delta R.T. -0.22 min

Lab File: BF092145.D

Acq: 9 Jan 2017 18:48

Tgt Ion:165 Resp: 45543

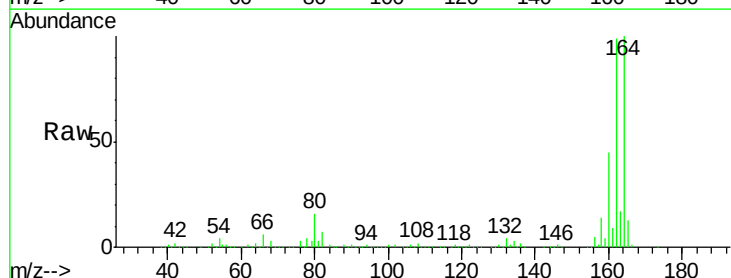
Ion Ratio Lower Upper

165 100

63 0.8 40.2 60.4#

89 1.1 62.5 93.7#

182 0.0 1.8 2.8#

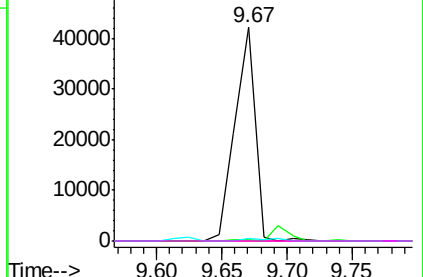
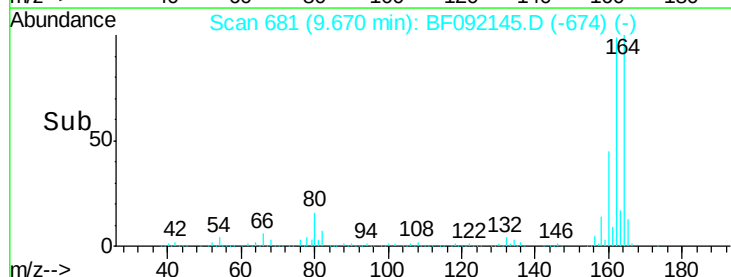


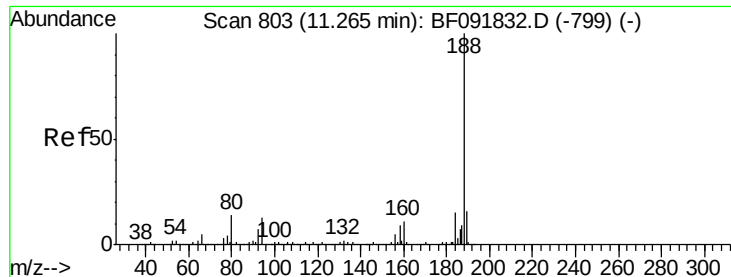
Abundance Ion 165.00 (164.70 to 165.70): E

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

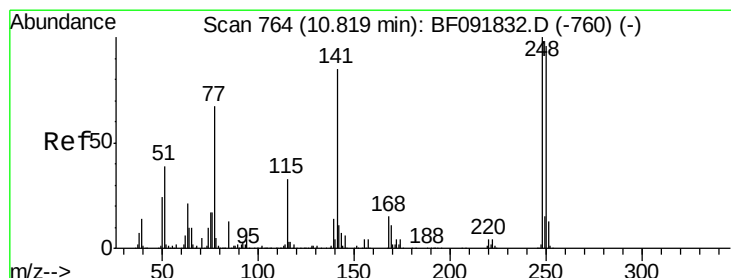
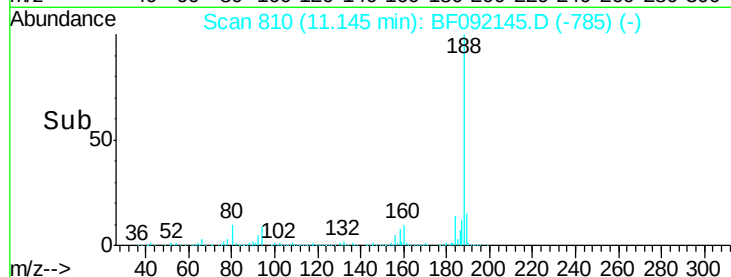
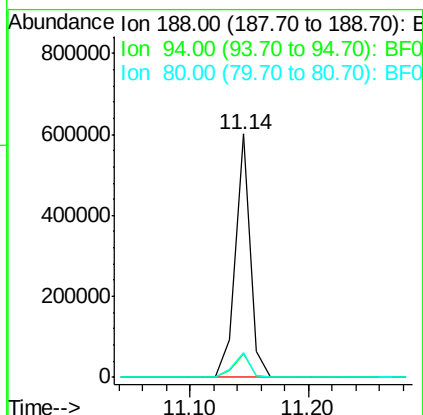
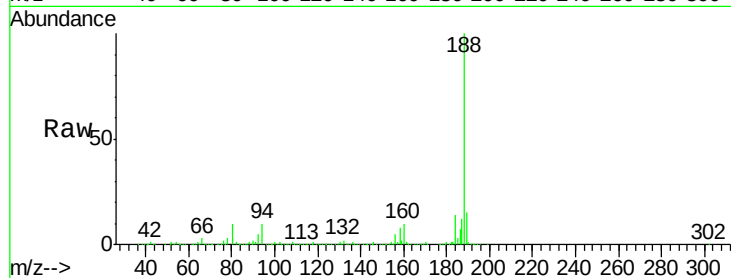




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.14 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF092145.D
Acq: 9 Jan 2017 18:48

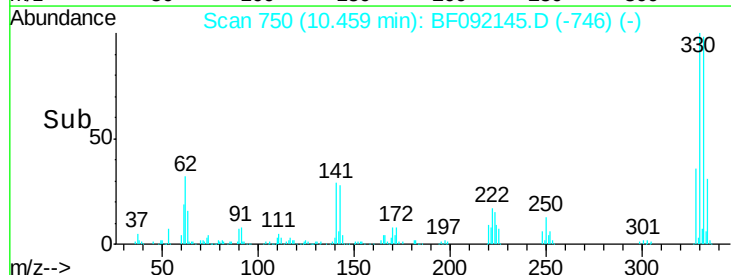
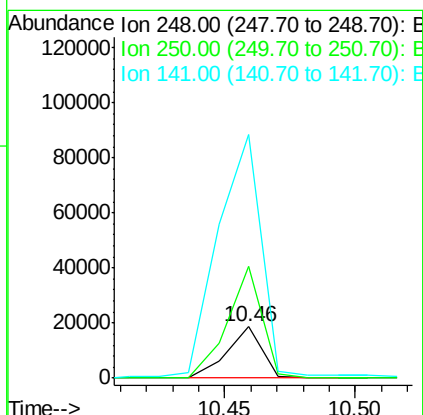
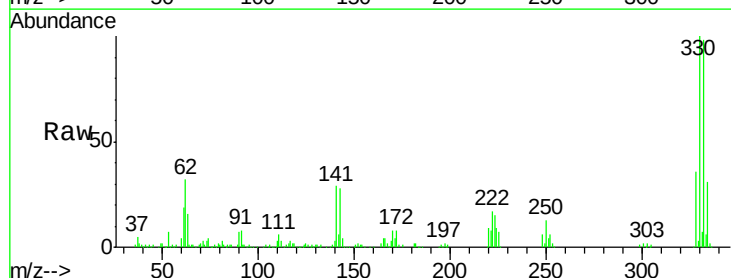
Instrument :
BNA_F
ClientSampleId :
POSTEX-29-20170105

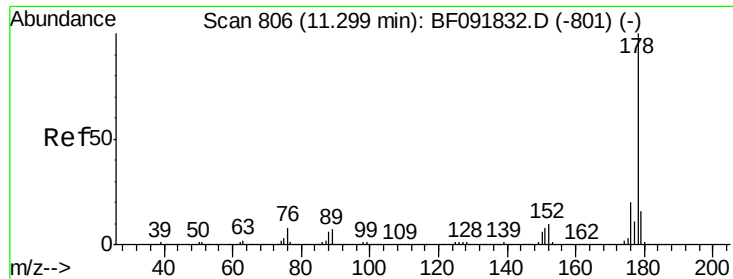
Tgt Ion:188 Resp: 525084
Ion Ratio Lower Upper
188 100
94 9.5 10.0 15.0#
80 10.3 11.2 16.8#



#66
4-Bromophenyl-phenylether
Concen: 3.21 ng
RT: 10.46 min Scan# 750
Delta R.T. -0.25 min
Lab File: BF092145.D
Acq: 9 Jan 2017 18:48

Tgt Ion:248 Resp: 17544
Ion Ratio Lower Upper
248 100
250 218.0 76.9 115.3#
141 476.2 68.2 102.4#

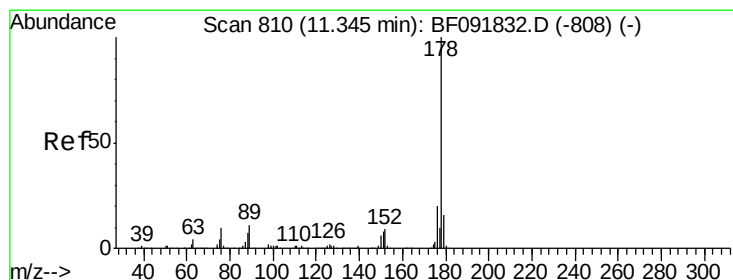
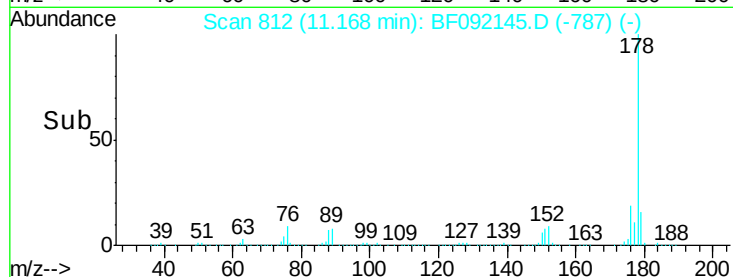
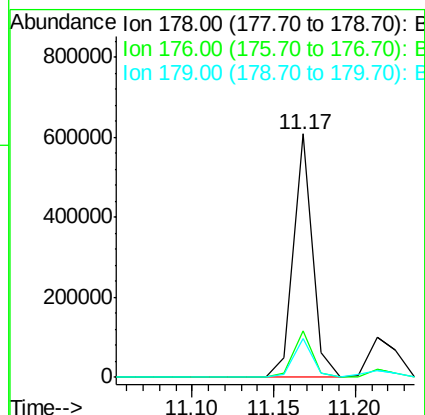
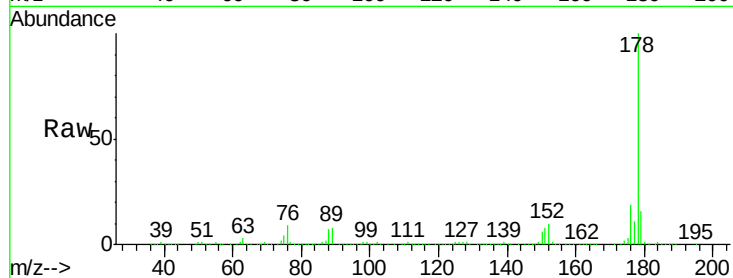




#70
Phenanthrene
Concen: 17.44 ng
RT: 11.17 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF092145.D
Acq: 9 Jan 2017 18:48

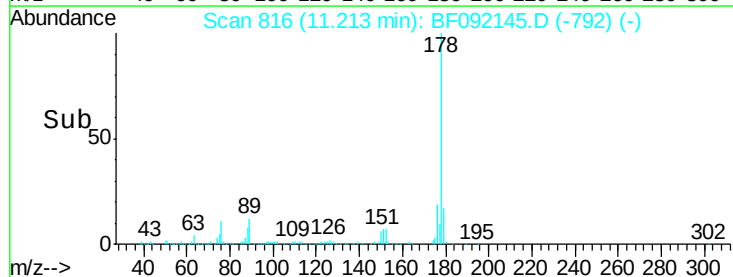
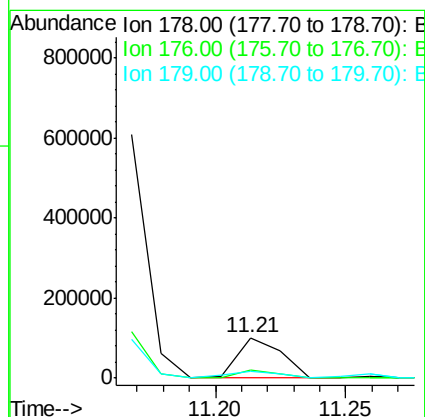
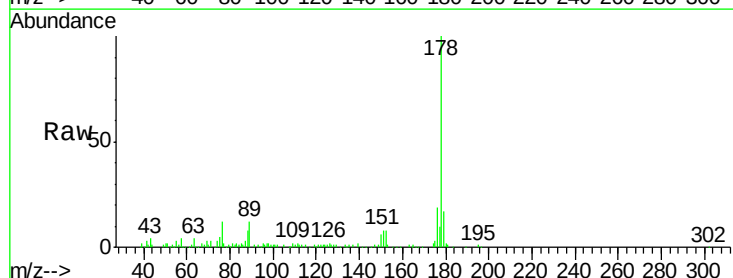
Instrument :
BNA_F
ClientSampleId :
POSTEX-29-20170105

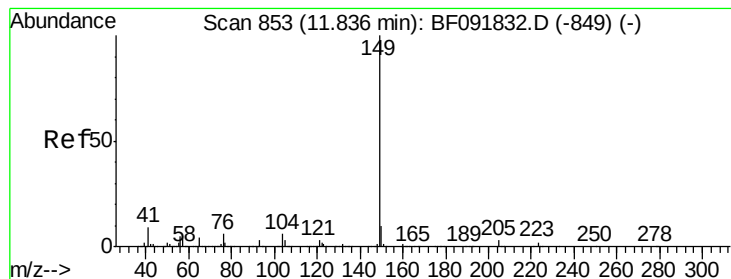
Tgt Ion:178 Resp: 496690
Ion Ratio Lower Upper
178 100
176 19.0 16.6 25.0
179 15.8 12.8 19.2



#71
Anthracene
Concen: 3.00 ng
RT: 11.21 min Scan# 816
Delta R.T. -0.02 min
Lab File: BF092145.D
Acq: 9 Jan 2017 18:48

Tgt Ion:178 Resp: 115882
Ion Ratio Lower Upper
178 100
176 18.7 15.9 23.9
179 17.0 13.2 19.8





#73

Di-n-butylphthalate

Concen: Below Cal

RT: 11.72 min Scan# 860

Delta R.T. -0.01 min

Lab File: BF092145.D

Acq: 9 Jan 2017 18:48

Instrument :

BNA_F

ClientSampleId :

POSTEX-29-20170105

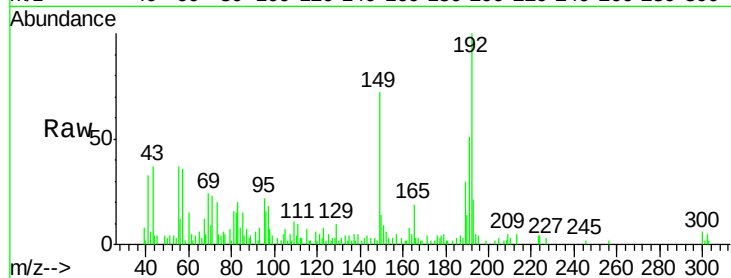
Tgt Ion:149 Resp: 17019

Ion Ratio Lower Upper

149 100

150 19.4 8.1 12.1#

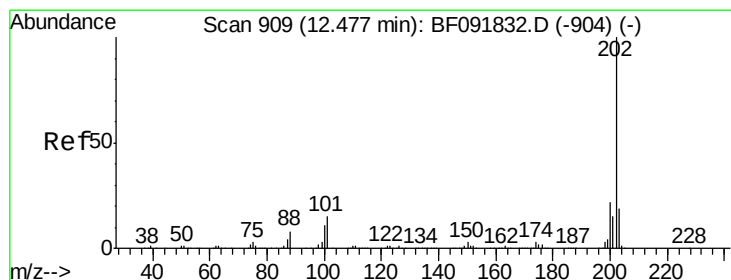
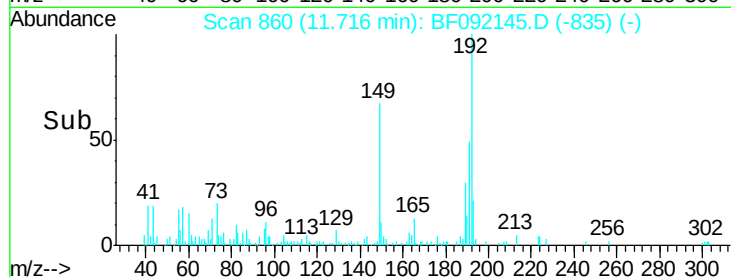
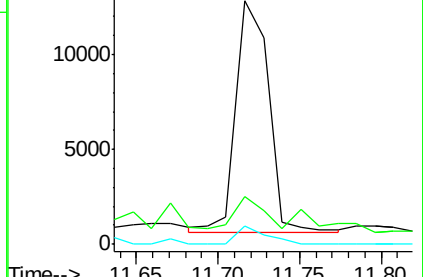
104 7.4 4.6 7.0#



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



#74

Fluoranthene

Concen: 20.63 ng

RT: 12.36 min Scan# 916

Delta R.T. -0.01 min

Lab File: BF092145.D

Acq: 9 Jan 2017 18:48

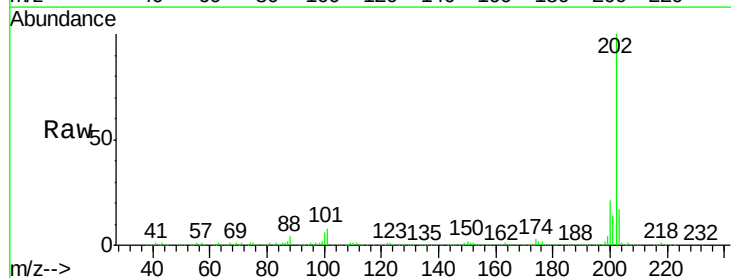
Tgt Ion:202 Resp: 567031

Ion Ratio Lower Upper

202 100

101 8.1 0.0 34.6

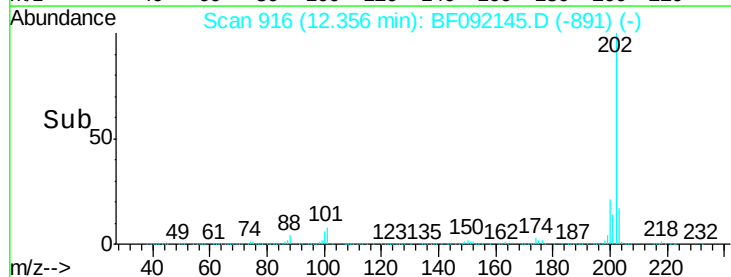
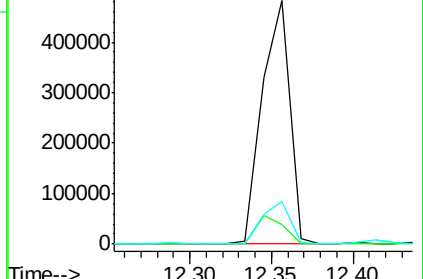
203 17.4 0.0 38.7

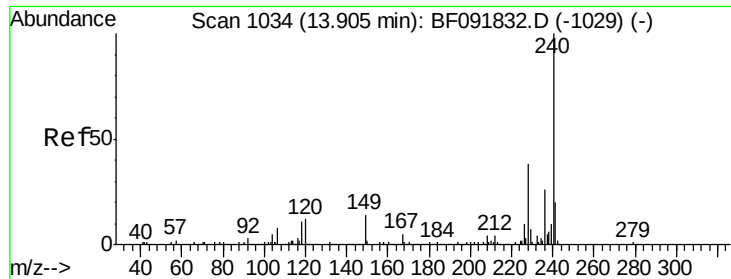


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.77 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BF092145.D

Acq: 9 Jan 2017 18:48

Instrument :

BNA_F

ClientSampleId :

POSTEX-29-20170105

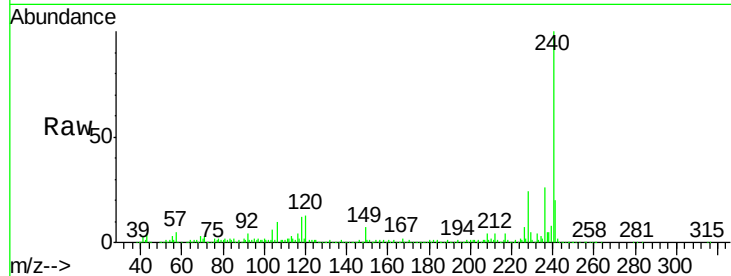
Tgt Ion:240 Resp: 341303

Ion Ratio Lower Upper

240 100

120 13.3 12.9 19.3

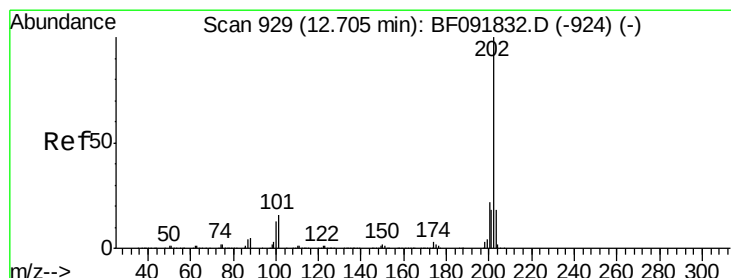
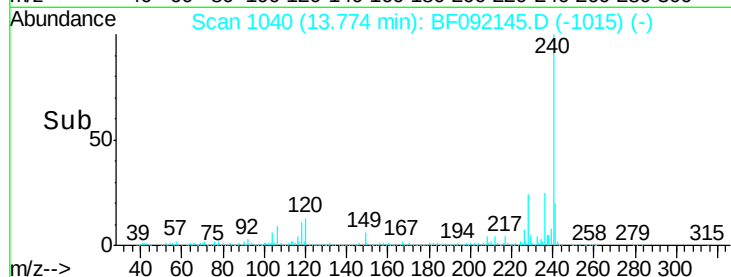
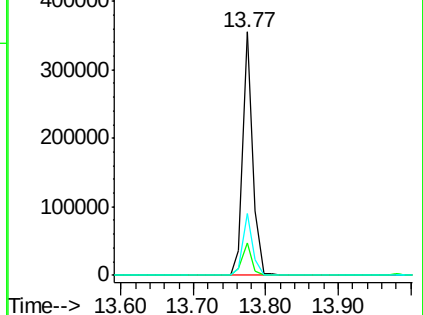
236 25.5 20.9 31.3



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: 20.48 ng

RT: 12.57 min Scan# 935

Delta R.T. -0.01 min

Lab File: BF092145.D

Acq: 9 Jan 2017 18:48

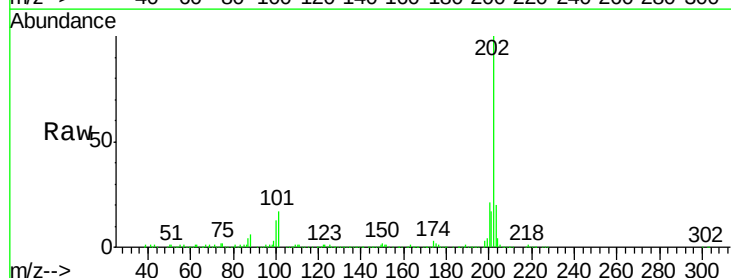
Tgt Ion:202 Resp: 512897

Ion Ratio Lower Upper

202 100

200 21.0 17.7 26.5

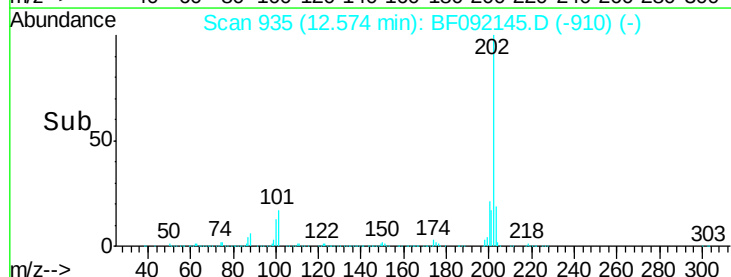
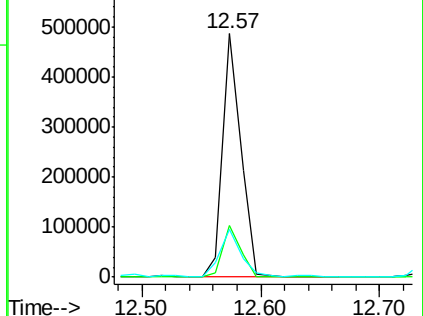
203 19.8 14.7 22.1

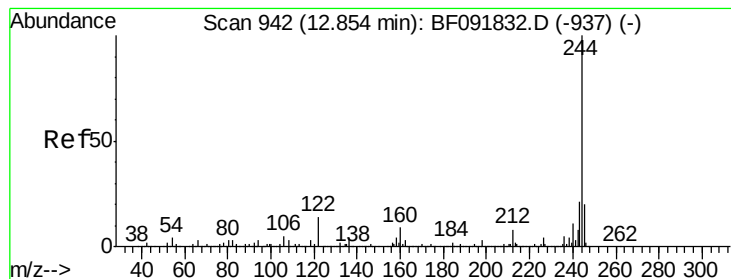


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 65.73 ng

RT: 12.73 min Scan# 949

Delta R.T. -0.01 min

Lab File: BF092145.D

Acq: 9 Jan 2017 18:48

Instrument :

BNA_F

ClientSampleId :

POSTEX-29-20170105

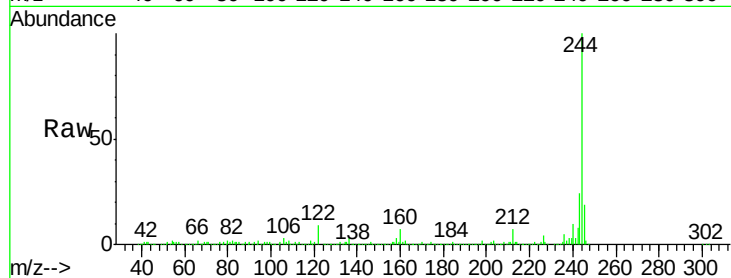
Tgt Ion:244 Resp: 925002

Ion Ratio Lower Upper

244 100

212 6.8 6.2 9.2

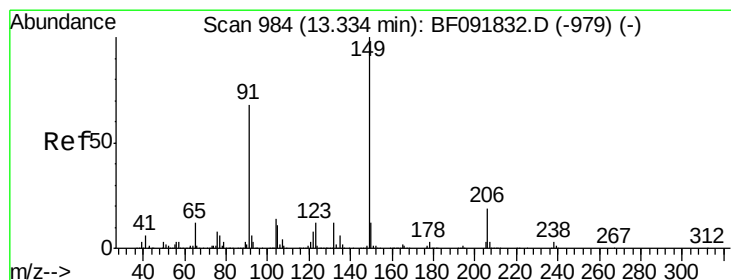
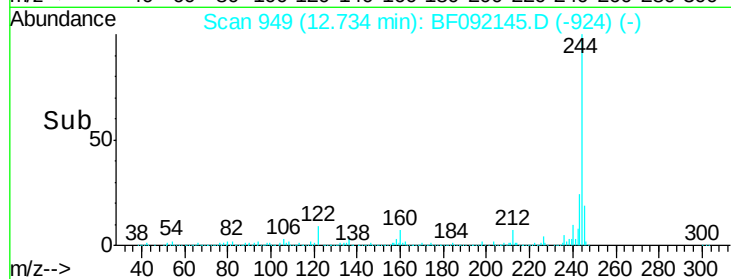
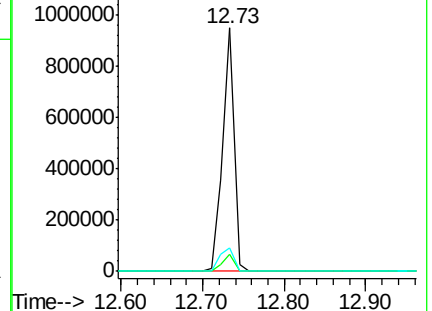
122 9.4 11.4 17.2#



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: 176.90 ng

RT: 13.23 min Scan# 992

Delta R.T. 0.00 min

Lab File: BF092145.D

Acq: 9 Jan 2017 18:48

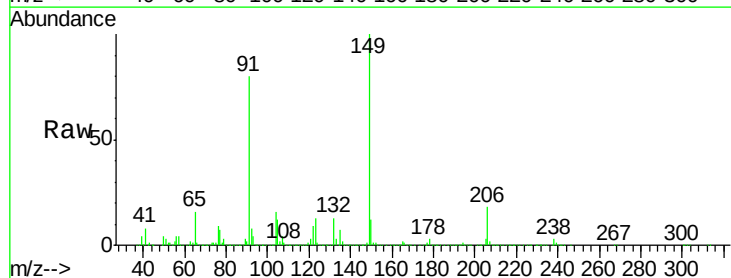
Tgt Ion:149 Resp: 2014752

Ion Ratio Lower Upper

149 100

91 79.6 63.9 95.9

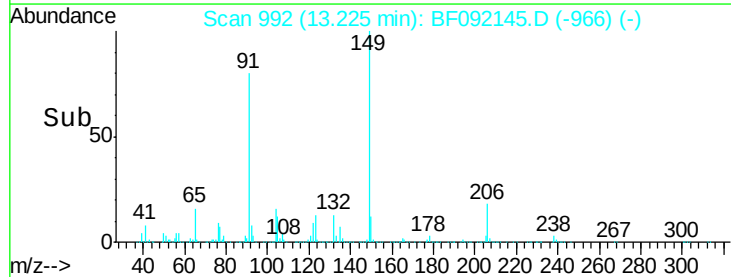
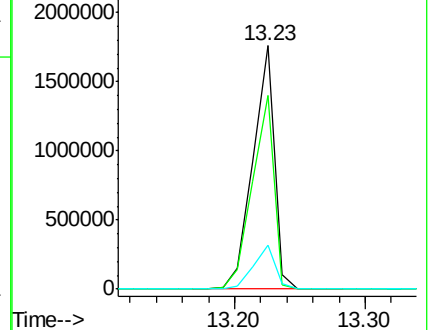
206 18.2 14.6 21.8

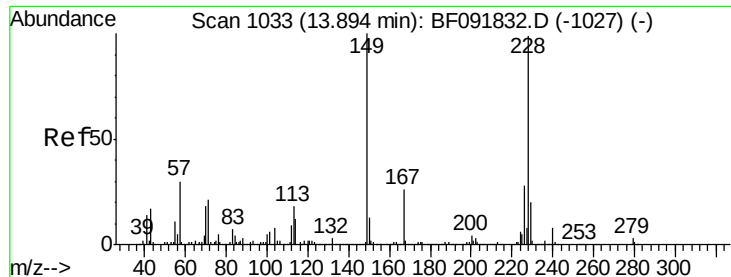


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 12.59 ng

RT: 13.76 min Scan# 1039

Delta R.T. -0.01 min

Lab File: BF092145.D

Acq: 9 Jan 2017 18:48

Instrument :

BNA_F

ClientSampleId :

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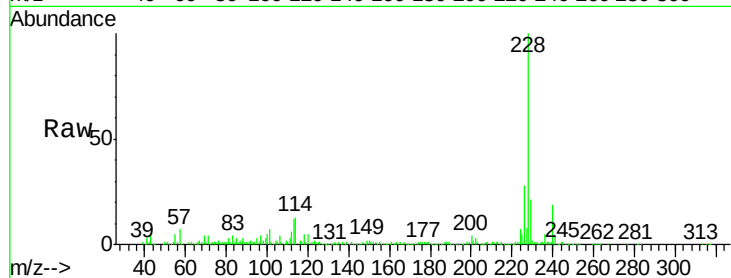
Tgt Ion:228 Resp: 242523

Ion Ratio Lower Upper

228 100

226 28.2 22.4 33.6

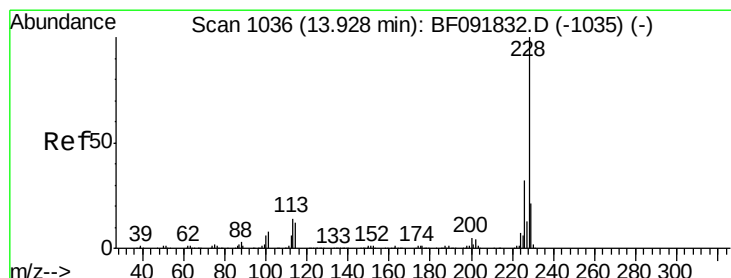
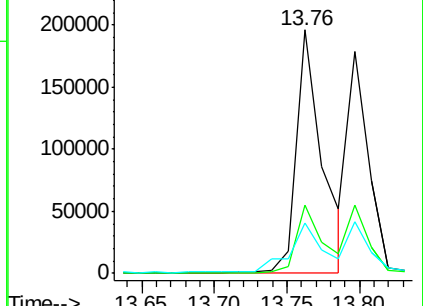
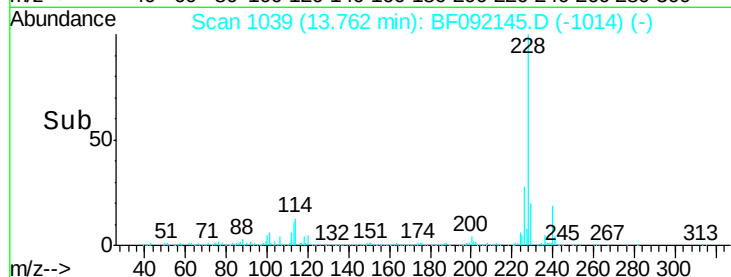
229 20.8 16.2 24.4



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: 9.16 ng

RT: 13.80 min Scan# 1042

Delta R.T. -0.01 min

Lab File: BF092145.D

Acq: 9 Jan 2017 18:48

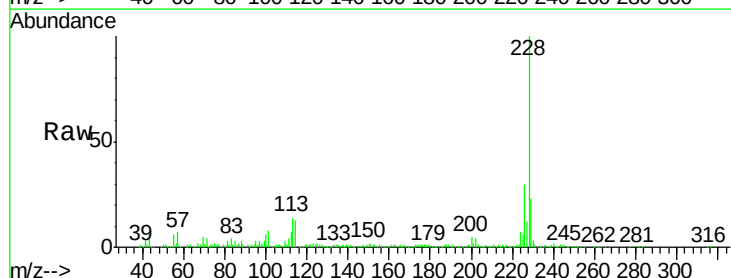
Tgt Ion:228 Resp: 177066

Ion Ratio Lower Upper

228 100

226 30.5 25.4 38.0

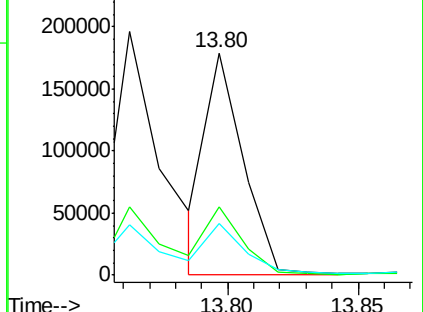
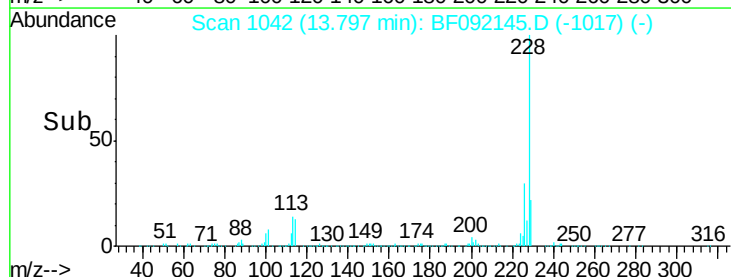
229 22.9 16.2 24.2

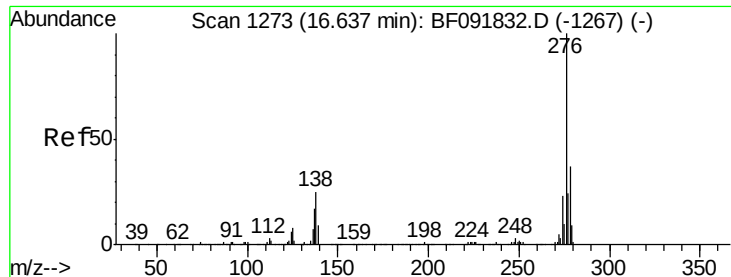


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

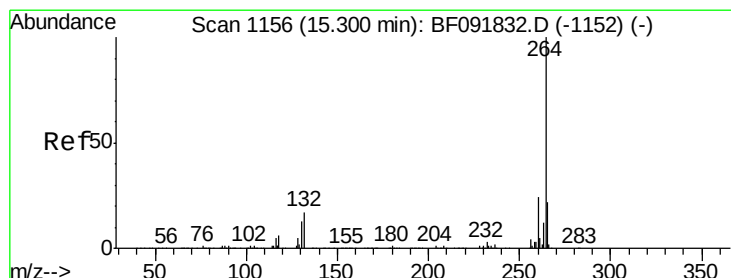
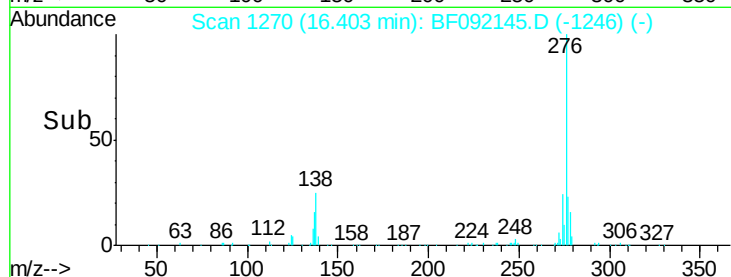
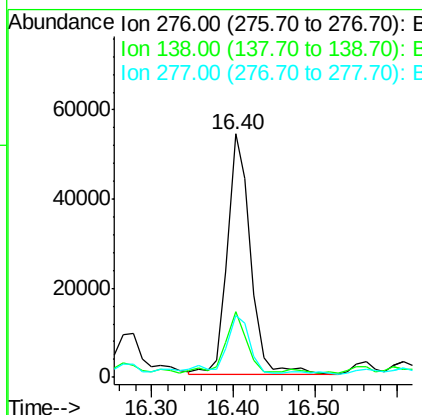
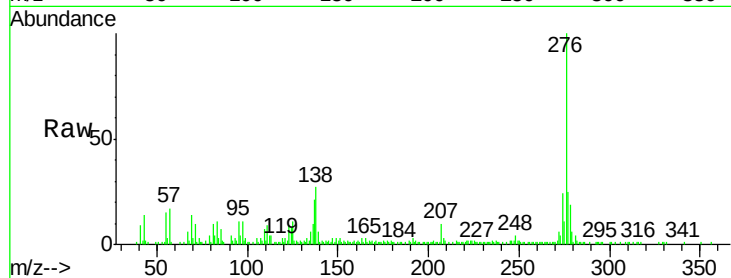




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.32 ng
 RT: 16.40 min Scan# 1270
 Delta R.T. -0.02 min
 Lab File: BF092145.D
 Acq: 9 Jan 2017 18:48

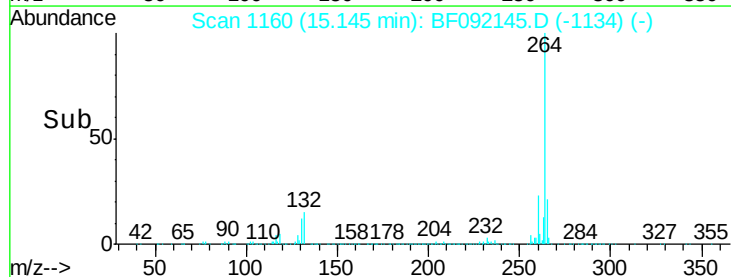
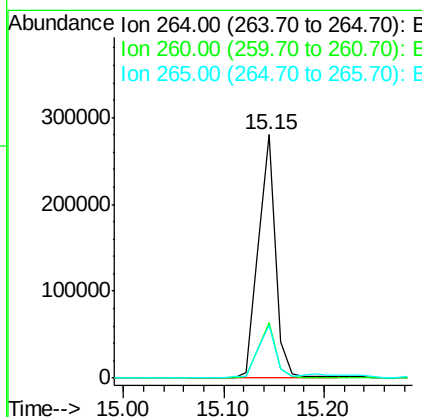
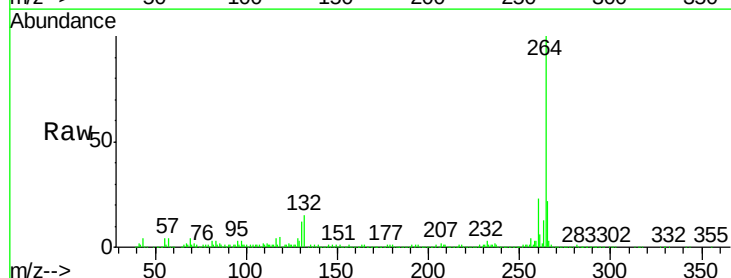
Instrument :
 BNA_F
 ClientSampleId :
 POSTEX-29-20170105

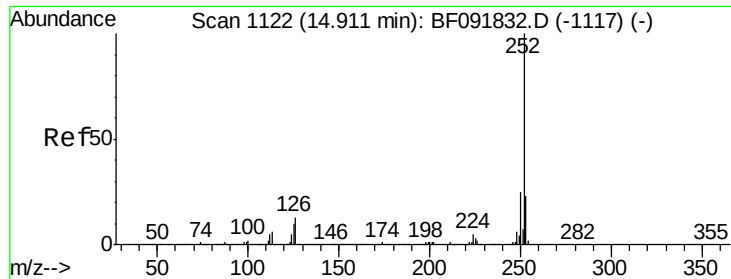
Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.2	21.8	32.6
277	26.4	20.2	30.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.15 min Scan# 1160
 Delta R.T. 0.00 min
 Lab File: BF092145.D
 Acq: 9 Jan 2017 18:48

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.2	28.8
265	21.5	17.4	26.0

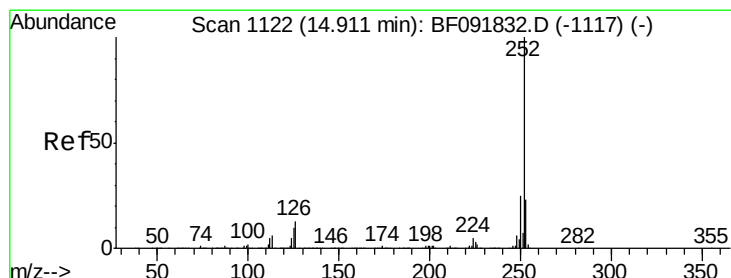
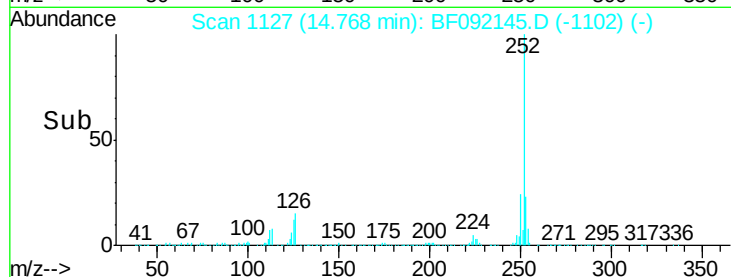
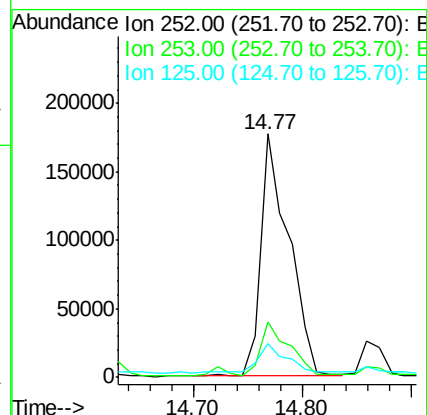
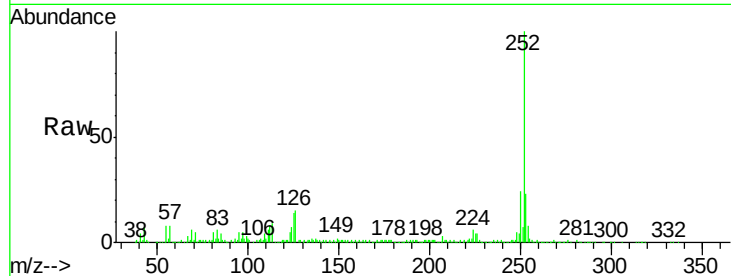




#87
 Benzo(b)fluoranthene
 Concen: 15.34 ng
 RT: 14.77 min Scan# 1127
 Delta R.T. -0.01 min
 Lab File: BF092145.D
 Acq: 9 Jan 2017 18:48

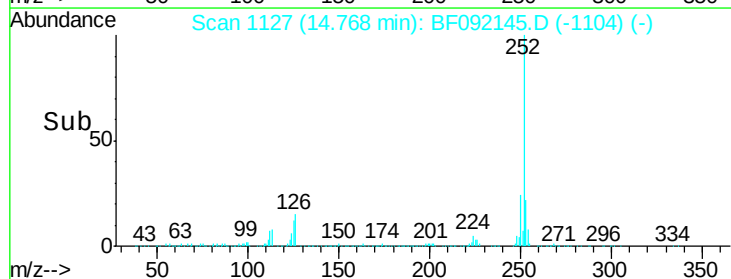
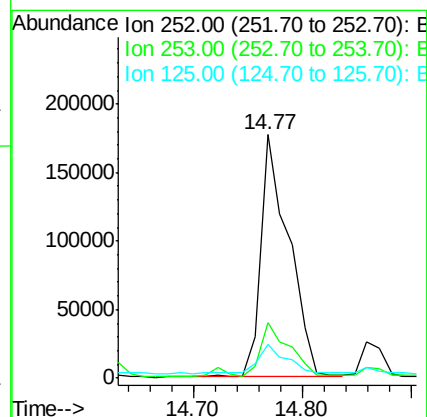
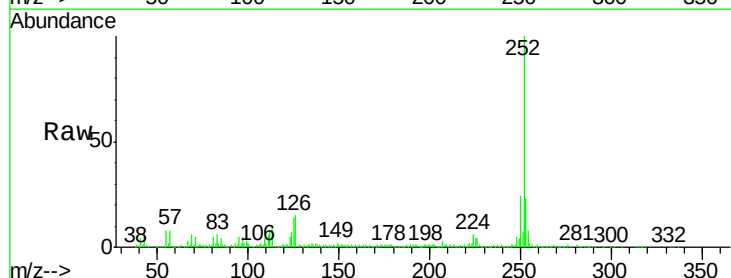
Instrument :
 BNA_F
 ClientSampleId :
 POSTEX-29-20170105

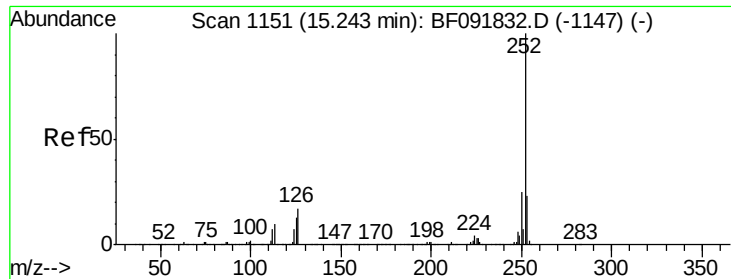
Tgt Ion:252 Resp: 317839
 Ion Ratio Lower Upper
 252 100
 253 22.9 18.2 27.4
 125 13.8 9.8 14.6



#88
 Benzo(k)fluoranthene
 Concen: 17.99 ng
 RT: 14.77 min Scan# 1127
 Delta R.T. -0.03 min
 Lab File: BF092145.D
 Acq: 9 Jan 2017 18:48

Tgt Ion:252 Resp: 317839
 Ion Ratio Lower Upper
 252 100
 253 22.9 18.5 27.7
 125 13.8 8.9 13.3#





#89

Benzo(a)pyrene

Concen: 9.24 ng

RT: 15.09 min Scan# 1155

Delta R.T. -0.01 min

Lab File: BF092145.D

Acq: 9 Jan 2017 18:48

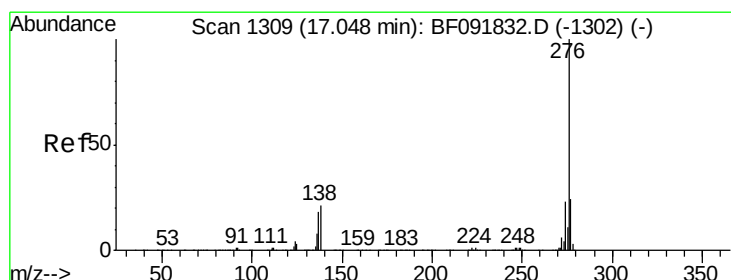
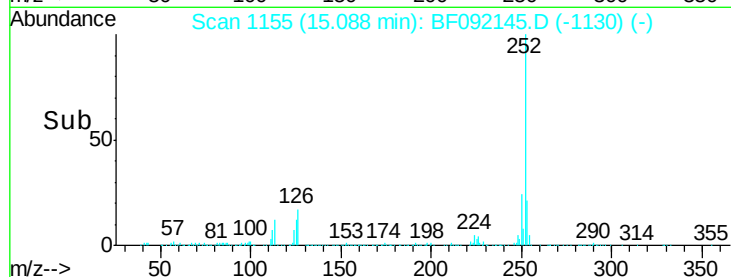
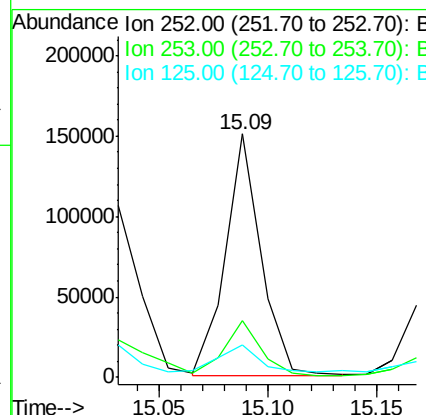
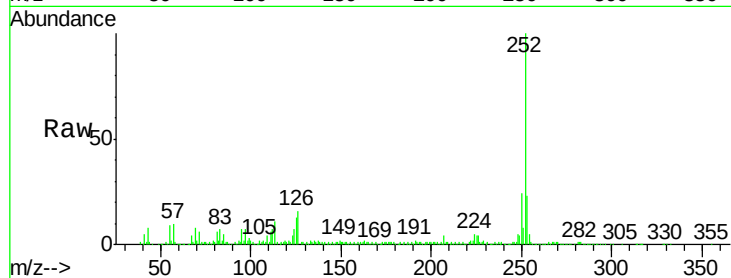
Instrument :

BNA_F

ClientSampleId :

POSTEX-29-20170105

Tgt Ion:	252	Resp:	169960
Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.2	27.2
125	13.3	10.0	15.0



#91

Benzo(g,h,i)perylene

Concen: 6.23 ng

RT: 16.78 min Scan# 1303

Delta R.T. -0.02 min

Lab File: BF092145.D

Acq: 9 Jan 2017 18:48

Tgt Ion:	276	Resp:	97838
Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.2	28.8
138	25.4	16.0	24.0

