

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042417\
 Data File : BF094581.D
 Acq On : 24 Apr 2017 13:21
 Operator : SJ/MA
 Sample : I2786-07
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BL-(3)

Quant Time: Apr 25 01:03:42 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 17 14:59:23 2017
 Response via : Initial Calibration

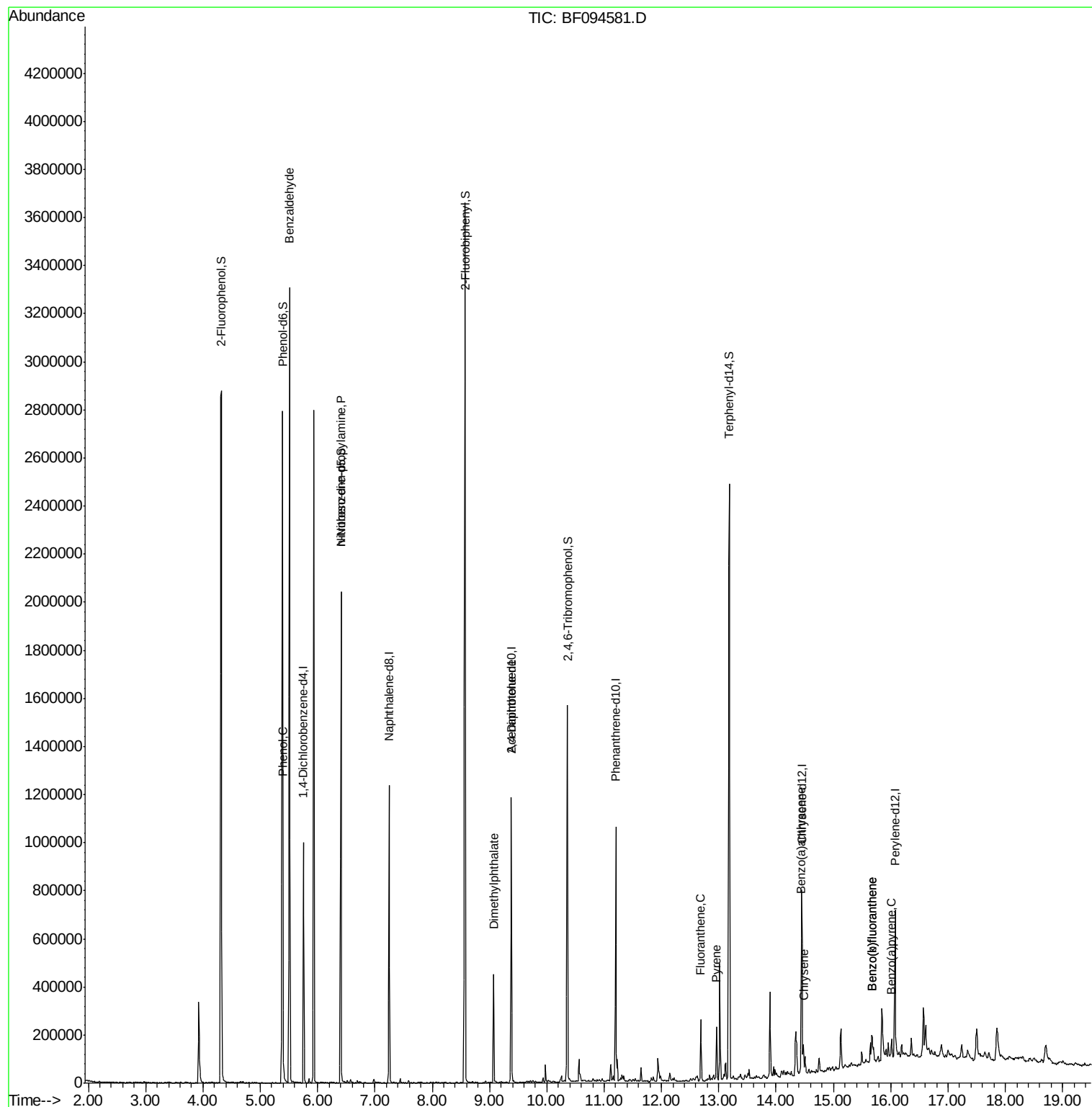
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.75	152	152075	20.00	ng	0.00
21) Naphthalene-d8	7.25	136	586564	20.00	ng	-0.01
38) Acenaphthene-d10	9.38	164	249157	20.00	ng	-0.02
63) Phenanthrene-d10	11.20	188	416047	20.00	ng	-0.02
75) Chrysene-d12	14.45	240	280566	20.00	ng	-0.02
86) Perylene-d12	16.08	264	246808	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.32	112	957695	104.48	ng	0.02
7) Phenol-d6	5.39	99	1188752	110.01	ng	0.00
23) Nitrobenzene-d5	6.41	82	737299	77.62	ng	0.00
41) 2,4,6-Tribromophenol	10.36	330	213306	109.45	ng	-0.01
44) 2-Fluorobiphenyl	8.57	172	1308741	77.28	ng	-0.01
78) Terphenyl-d14	13.18	244	930234	88.62	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	5.51	77	20018	2.44	ng	90
10) Phenol	5.40	94	75270	5.67	ng	85
19) n-Nitroso-di-n-propylamine	6.41	70	95068	13.28	ng	# 77
49) Dimethylphthalate	9.07	163	209398	11.28	ng	99
56) 2,4-Dinitrotoluene	9.38	165	31968	6.25	ng	# 33
74) Fluoranthene	12.69	202	108210	4.46	ng	99
77) Pyrene	12.97	202	95214	4.86	ng	97
80) Benzo(a)anthracene	14.44	228	38459	2.36	ng	99
82) Chrysene	14.48	228	47934	3.22	ng	99
87) Benzo(b)fluoranthene	15.67	252	74183	4.91	ng	# 94
88) Benzo(k)fluoranthene	15.67	252	74183	5.19	ng	97
89) Benzo(a)pyrene	16.02	252	33708	2.40	ng	# 96

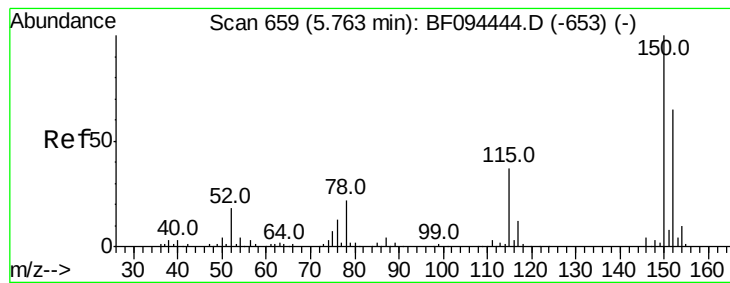
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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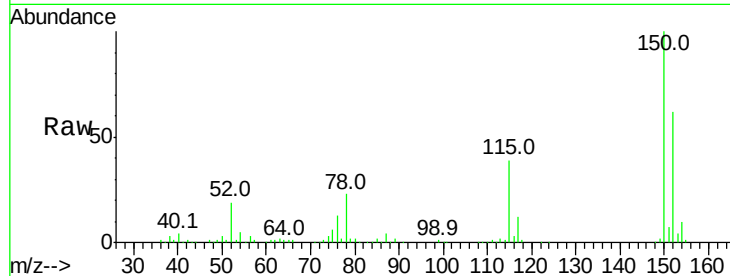


#1

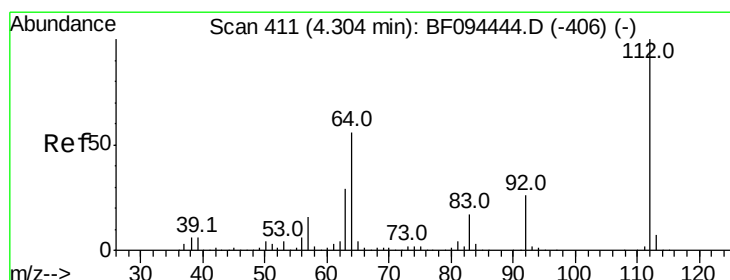
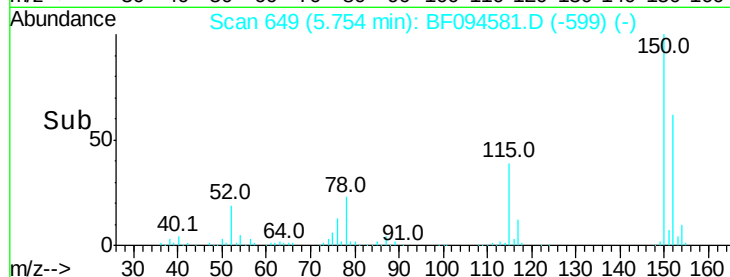
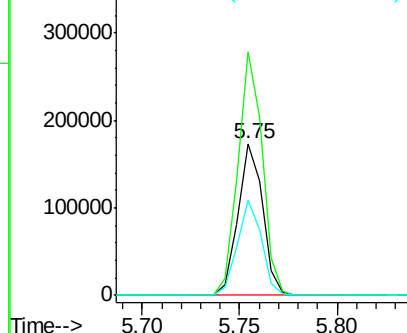
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.75 min Scan# 649
Delta R.T. -0.01 min
Lab File: BF094581.D
Acq: 24 Apr 2017 13:21

Instrument :
BNA_F
ClientSampleId :
BL-(3)

Tot Ion:152 Resp: 152075
Ion Ratio Lower Upper
152 100
150 160.5 126.2 189.2
115 63.1 52.2 78.2



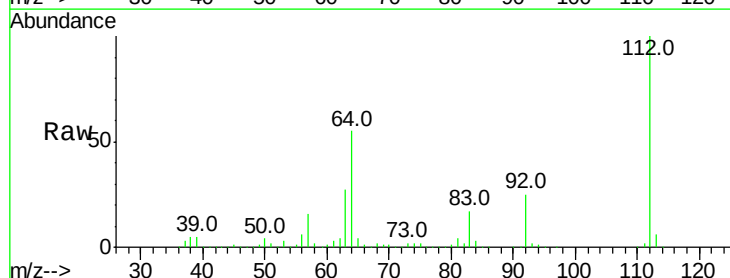
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



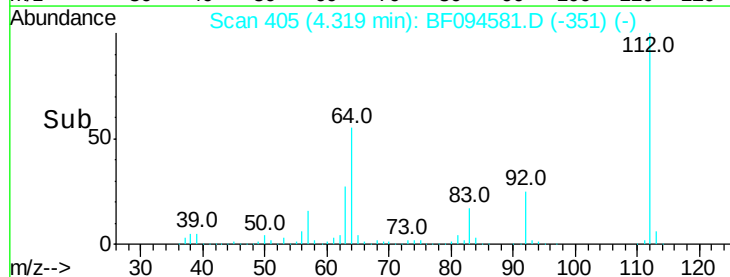
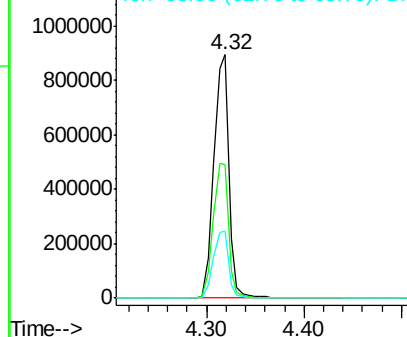
#5

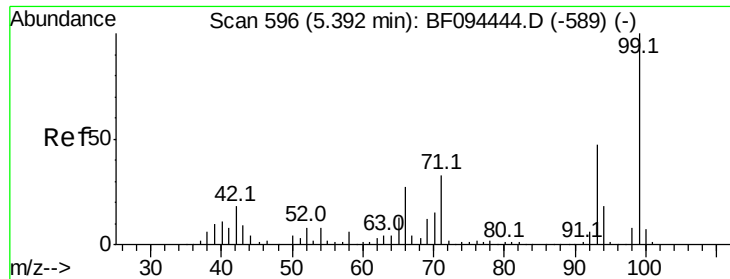
2-Fluorophenol
Concen: 104.48 ng
RT: 4.32 min Scan# 405
Delta R.T. 0.02 min
Lab File: BF094581.D
Acq: 24 Apr 2017 13:21

Tgt Ion:112 Resp: 957695
Ion Ratio Lower Upper
112 100
64 54.8 46.0 69.0
63 27.3 23.4 35.0



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: 110.01 ng

RT: 5.39 min Scan# 587

Delta R.T. -0.00 min

Lab File: BF094581.D

Acq: 24 Apr 2017 13:21

Instrument :

BNA_F

ClientSampleId :

BL-(3)

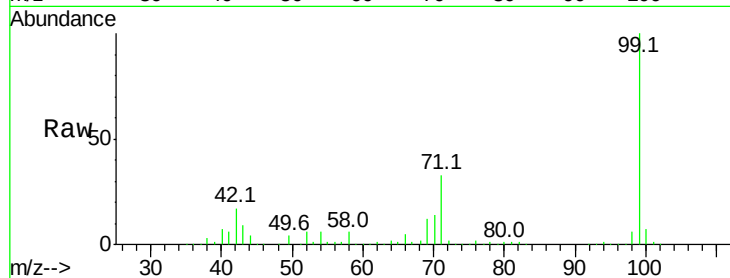
Tot Ion: 99 Resp: 1188752

Ion Ratio Lower Upper

99 100

42 17.1 13.5 20.3

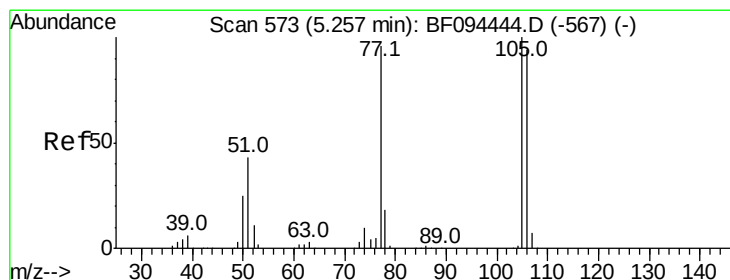
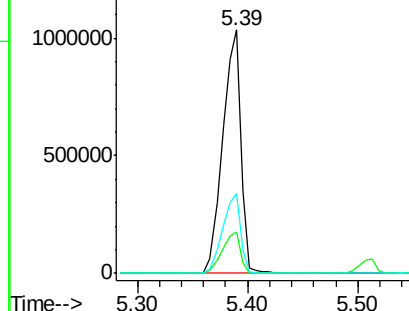
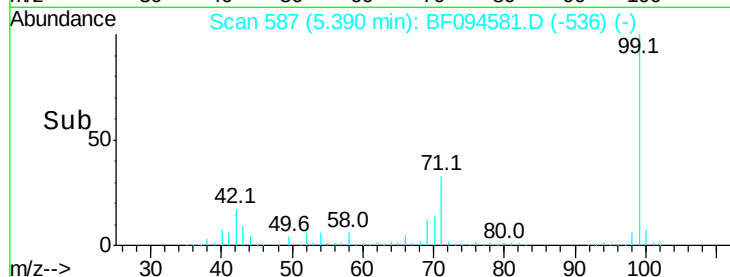
71 32.7 24.5 36.7



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: 2.44 ng

RT: 5.51 min Scan# 608

Delta R.T. 0.26 min

Lab File: BF094581.D

Acq: 24 Apr 2017 13:21

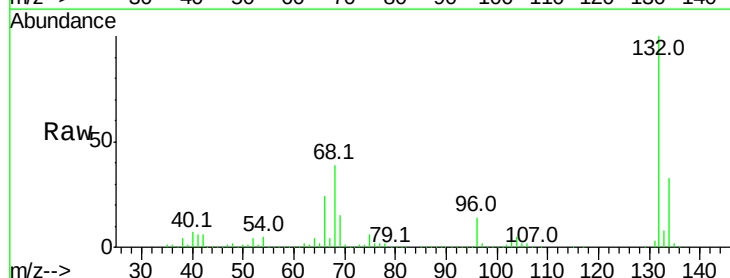
Tgt Ion: 77 Resp: 20018

Ion Ratio Lower Upper

77 100

105 90.4 83.8 123.8

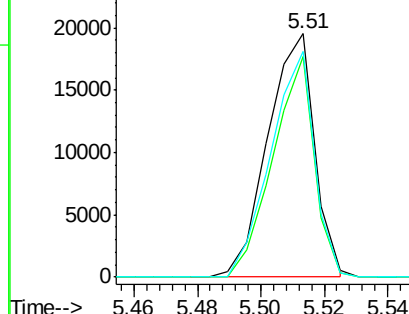
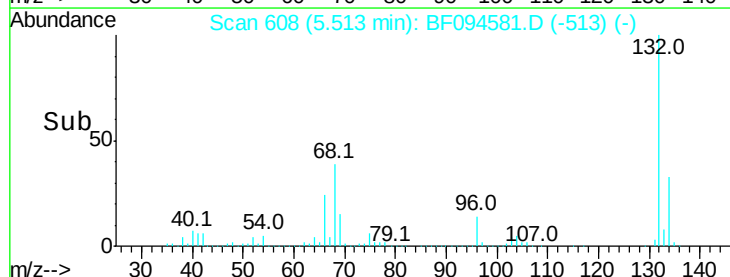
106 93.0 79.1 119.1

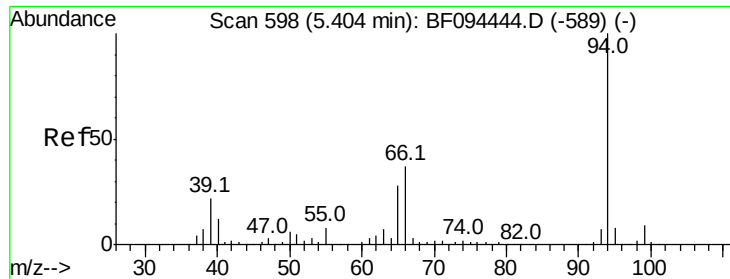


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 5.67 ng

RT: 5.40 min Scan# 589

Delta R.T. -0.00 min

Lab File: BF094581.D

Acq: 24 Apr 2017 13:21

Instrument :

BNA_F

ClientSampleId :

BL-(3)

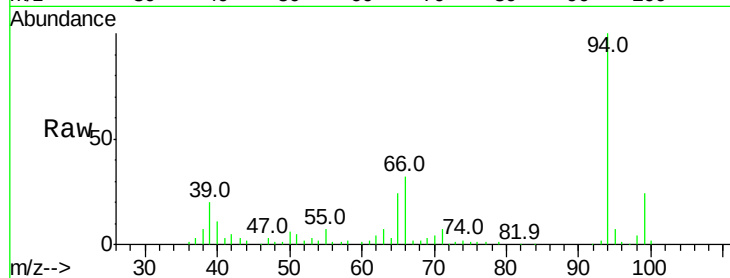
Tot Ion: 94 Resp: 75270

Ion Ratio Lower Upper

94 100

65 23.8 9.9 49.9

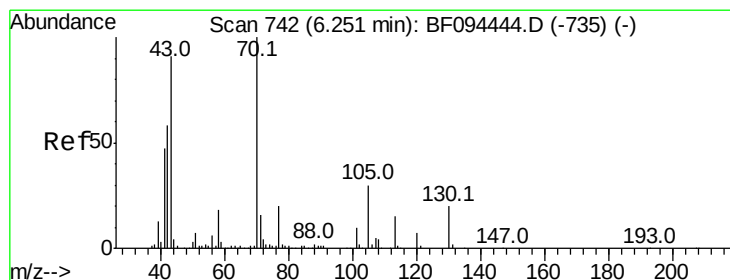
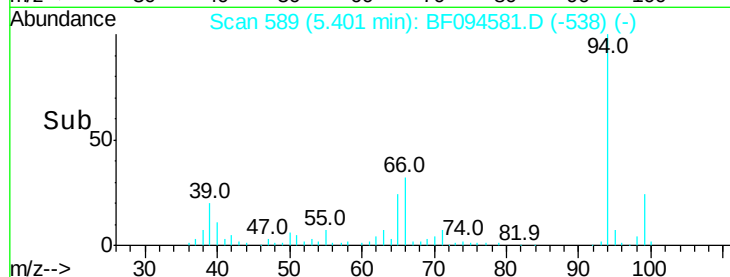
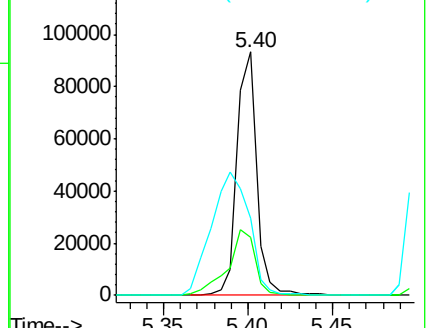
66 31.9 23.1 63.1



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 13.28 ng

RT: 6.41 min Scan# 760

Delta R.T. 0.16 min

Lab File: BF094581.D

Acq: 24 Apr 2017 13:21

Tgt Ion: 70 Resp: 95068

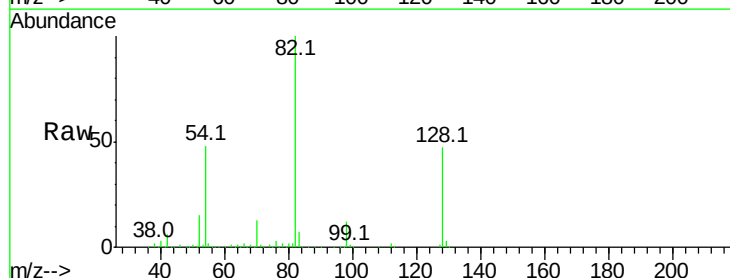
Ion Ratio Lower Upper

70 100

42 46.3 47.2 70.8#

101 0.0 7.2 10.8#

130 2.2 15.9 23.9#

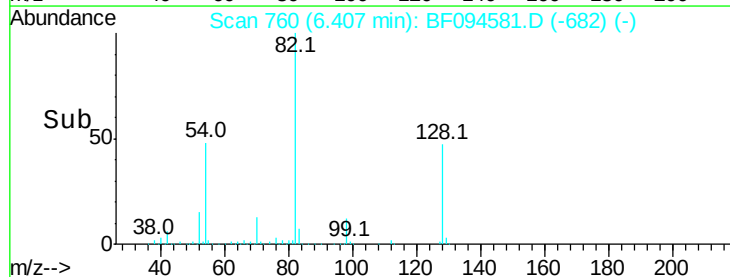
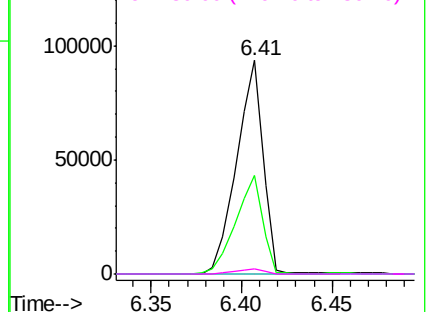


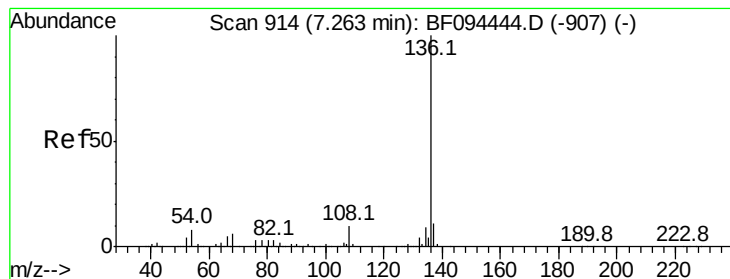
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.25 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF094581.D

Acq: 24 Apr 2017 13:21

Instrument :

BNA_F

ClientSampled :

BL-(3)

Tot Ion:136 Resp: 586564

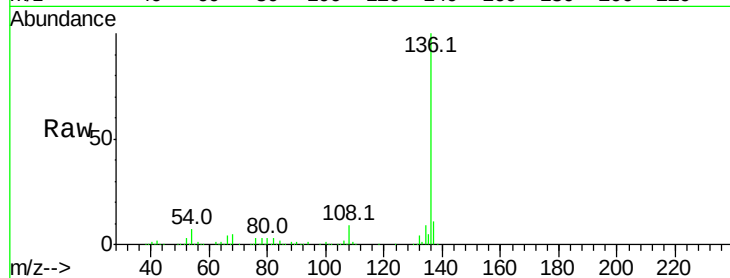
Ion Ratio Lower Upper

136 100

137 10.6 8.5 12.7

54 6.7 4.9 7.3

68 5.5 4.1 6.1

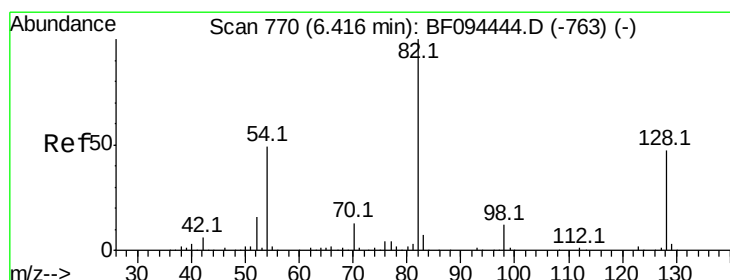
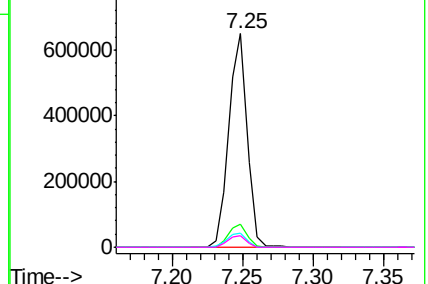
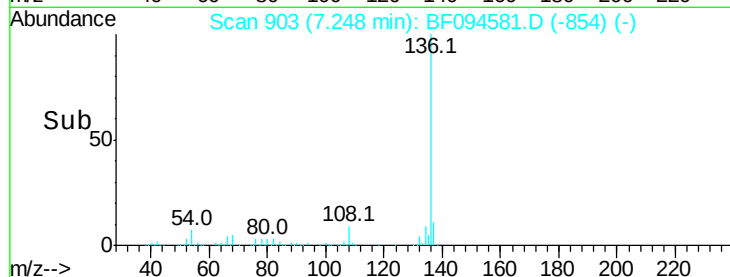


Abundance Ion 136.00 (135.70 to 136.70): E

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: 77.62 ng

RT: 6.41 min Scan# 760

Delta R.T. -0.01 min

Lab File: BF094581.D

Acq: 24 Apr 2017 13:21

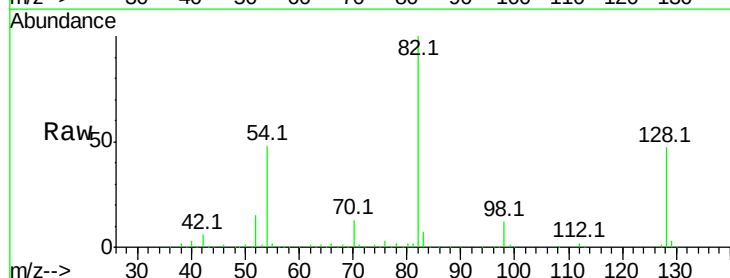
Tgt Ion: 82 Resp: 737299

Ion Ratio Lower Upper

82 100

128 47.0 34.0 51.0

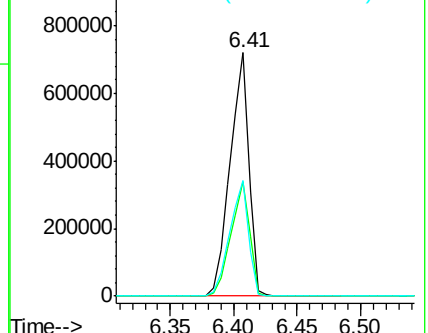
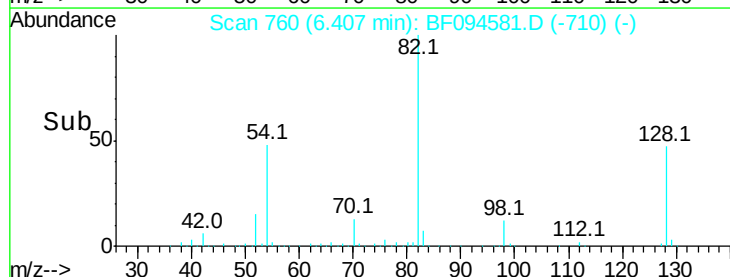
54 47.6 42.2 63.2

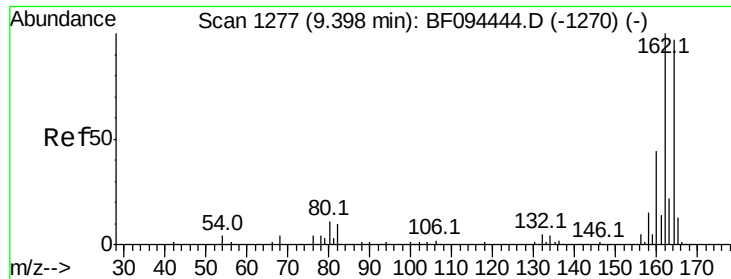


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 9.38 min Scan# 1265

Delta R.T. -0.02 min

Lab File: BF094581.D

Acq: 24 Apr 2017 13:21

Instrument :

BNA_F

ClientSampleId :

BL-(3)

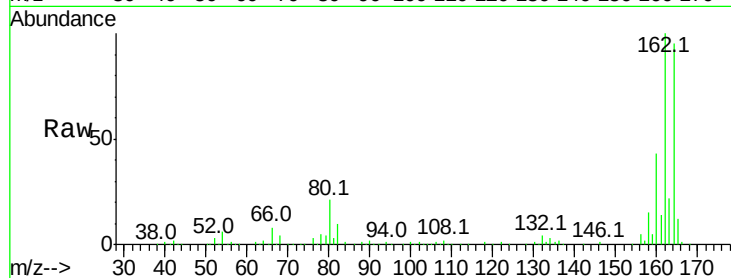
Tot Ion:164 Resp: 249157

Ion Ratio Lower Upper

164 100

162 105.4 82.6 123.8

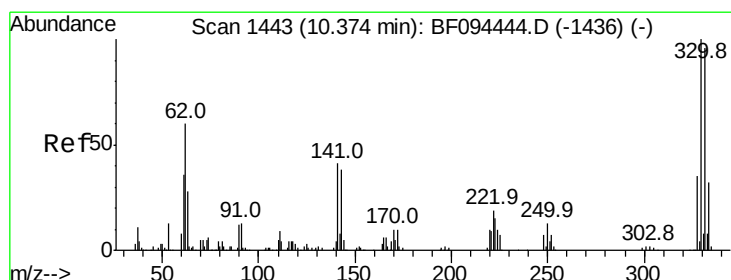
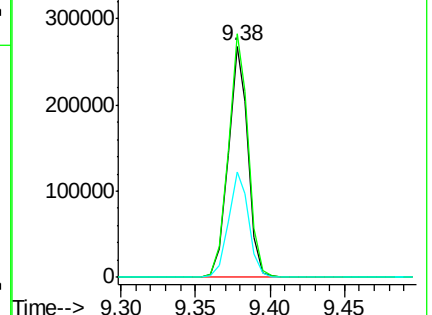
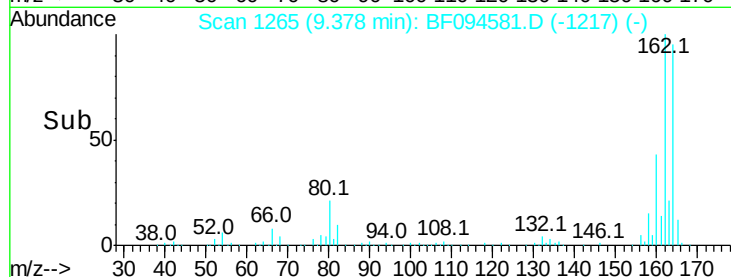
160 45.6 36.2 54.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 109.45 ng

RT: 10.36 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BF094581.D

Acq: 24 Apr 2017 13:21

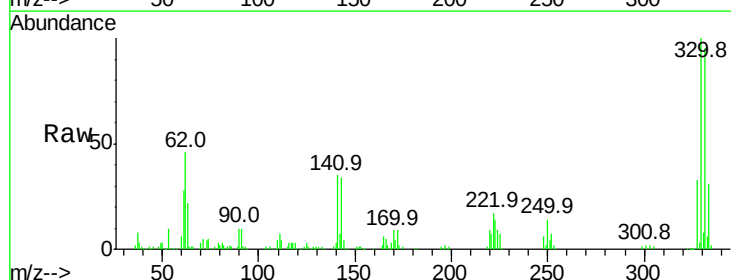
Tgt Ion:330 Resp: 213306

Ion Ratio Lower Upper

330 100

332 96.2 76.6 115.0

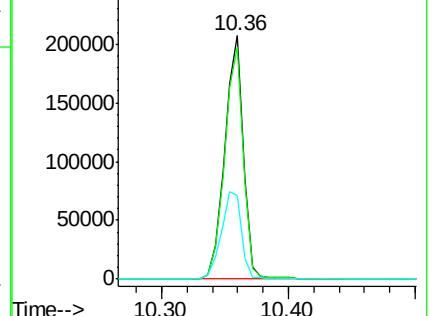
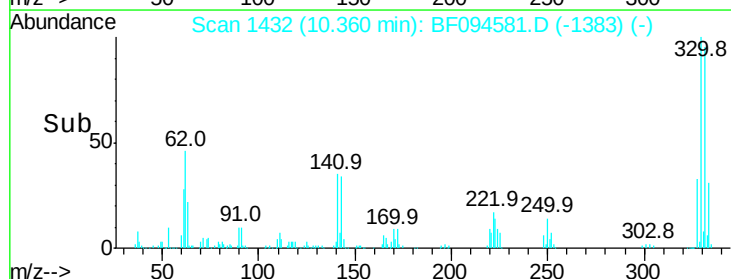
141 39.6 31.4 47.2

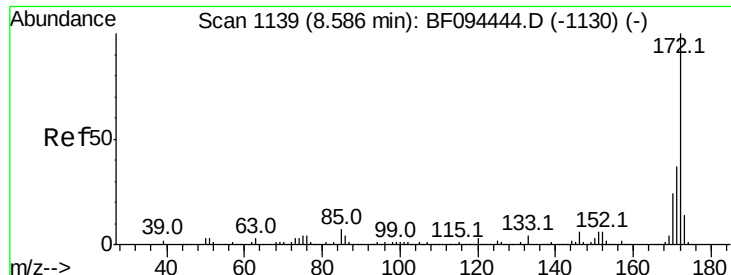


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

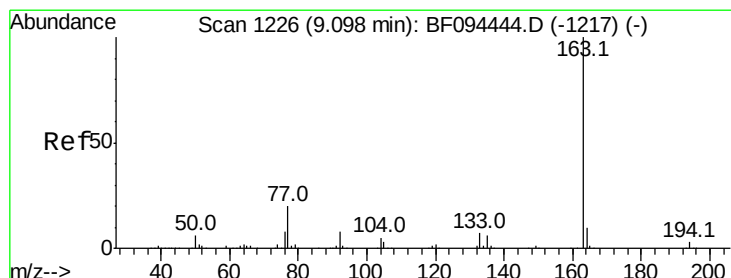
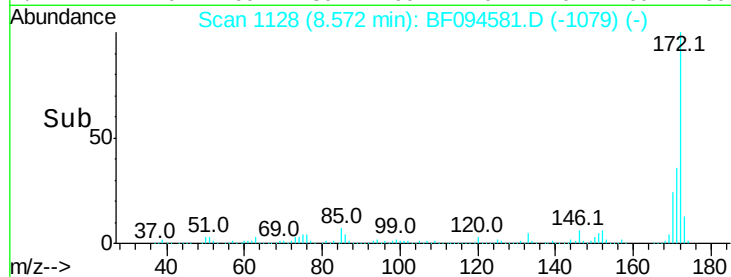
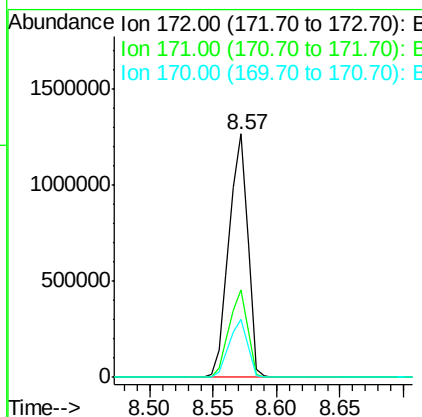
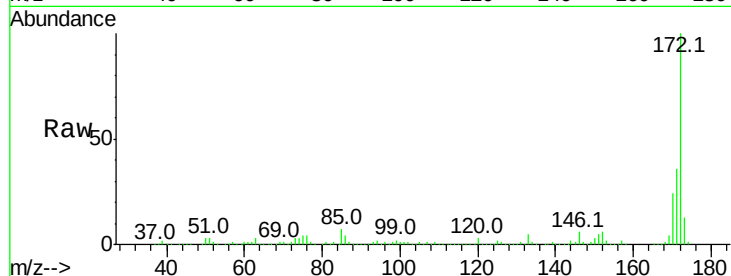




#44
2-Fluorobiphenyl
Concen: 77.28 ng
RT: 8.57 min Scan# 1128
Delta R.T. -0.01 min
Lab File: BF094581.D
Acq: 24 Apr 2017 13:21

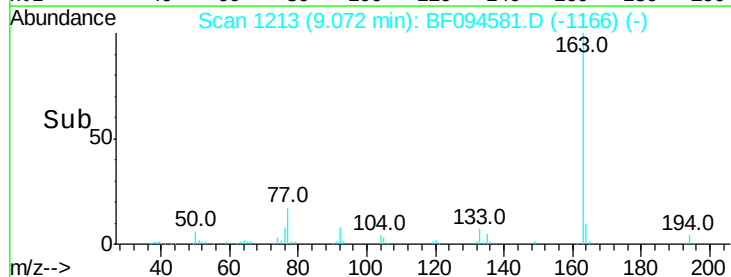
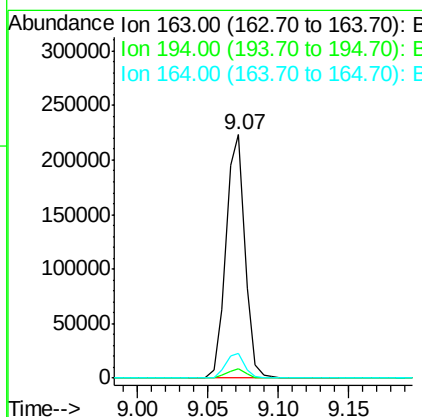
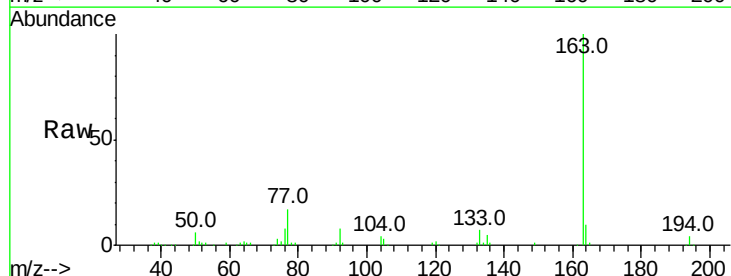
Instrument :
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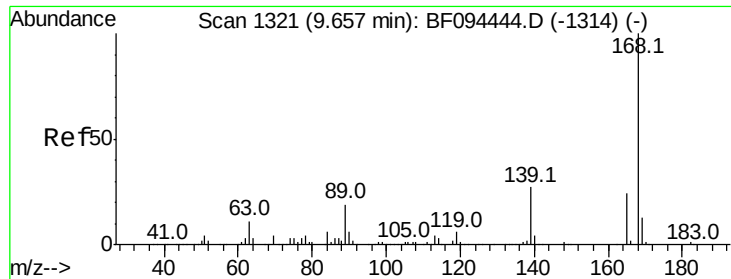
Tot Ion:172 Resp: 1308741
Ion Ratio Lower Upper
172 100
171 35.7 29.6 44.4
170 23.6 19.8 29.8



#49
Dimethylphthalate
Concen: 11.28 ng
RT: 9.07 min Scan# 1213
Delta R.T. -0.03 min
Lab File: BF094581.D
Acq: 24 Apr 2017 13:21

Tgt Ion:163 Resp: 209398
Ion Ratio Lower Upper
163 100
194 3.6 2.6 4.0
164 10.2 8.4 12.6

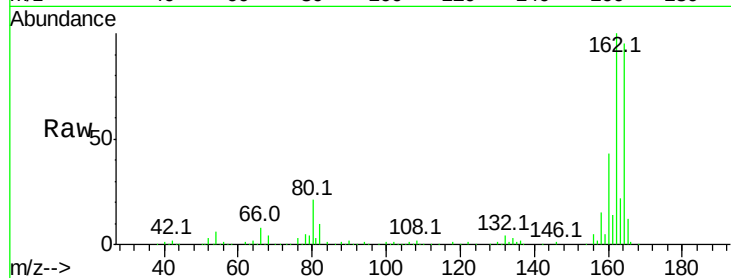




#56
 2,4-Dinitrotoluene
 Concen: 6.25 ng
 RT: 9.38 min Scan# 1265
 Delta R.T. -0.28 min
 Lab File: BF094581.D
 Acq: 24 Apr 2017 13:21

Instrument :
 BNA_F
 ClientSampleId :
 BL-(3)

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	25.4	38.0#
89	1.6	46.4	69.6#
182	0.0	1.8	2.6#

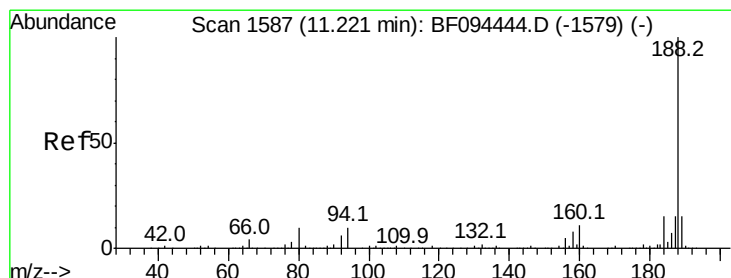
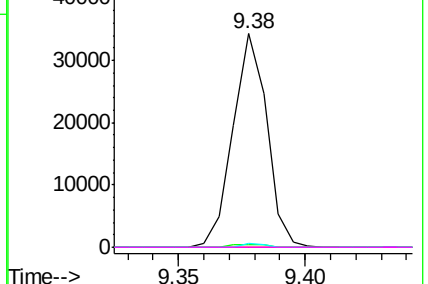
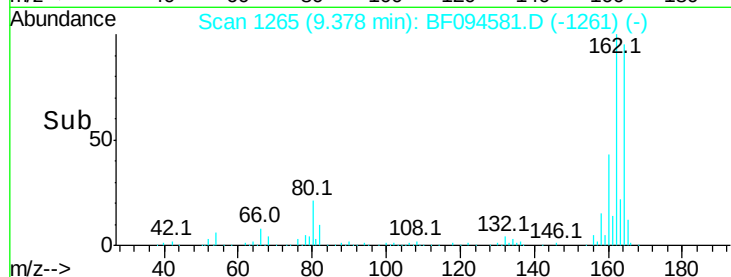


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

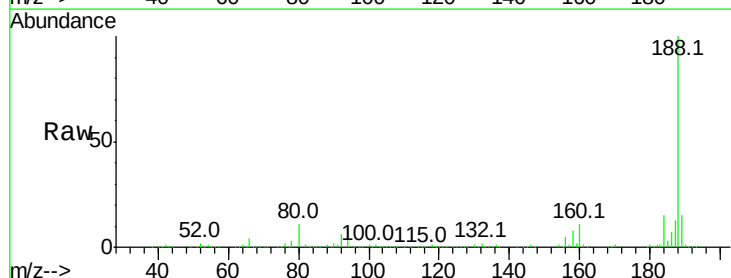
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.20 min Scan# 1575
 Delta R.T. -0.02 min
 Lab File: BF094581.D
 Acq: 24 Apr 2017 13:21

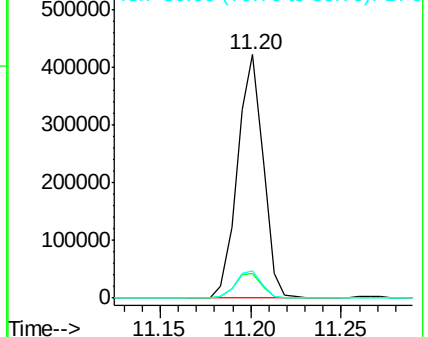
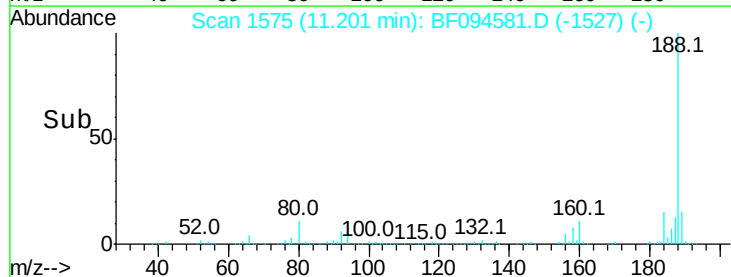
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.3	9.4	14.2
80	11.2	10.2	15.2

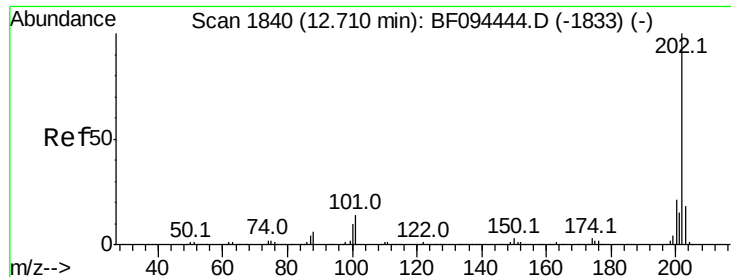


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

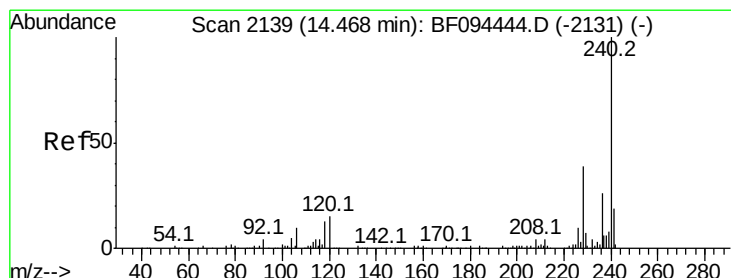
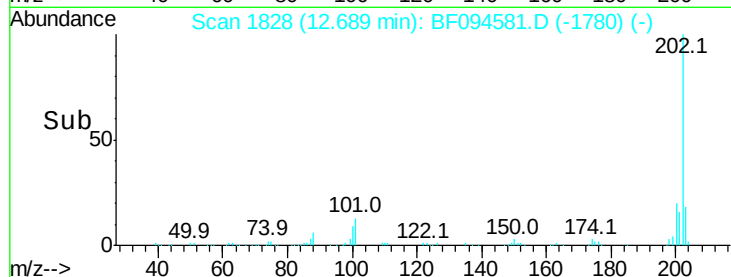
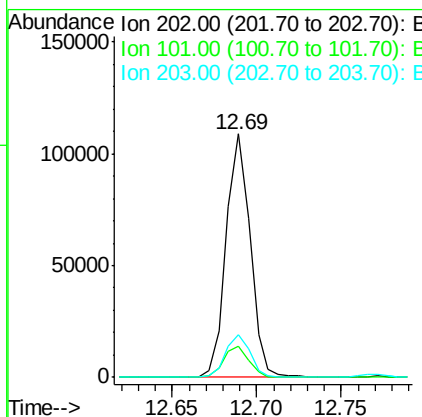
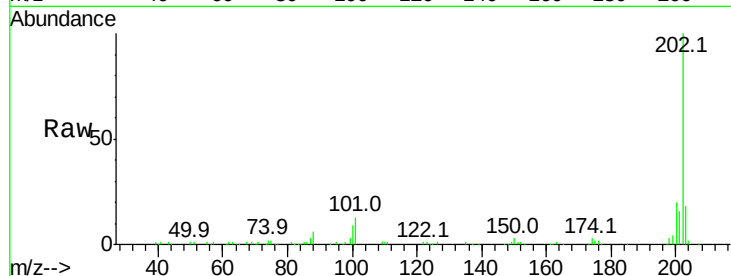




#74
 Fluoranthene
 Concen: 4.46 ng
 RT: 12.69 min Scan# 1828
 Delta R.T. -0.02 min
 Lab File: BF094581.D
 Acq: 24 Apr 2017 13:21

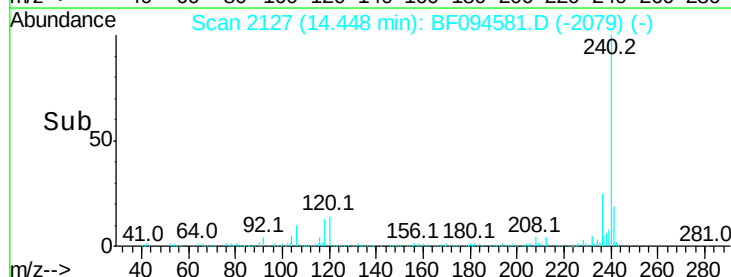
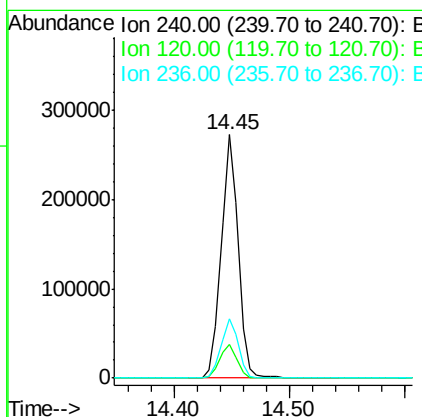
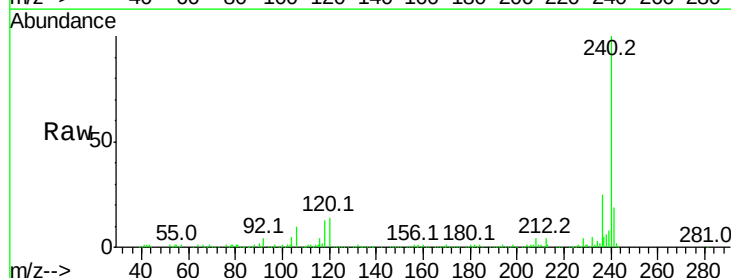
Instrument :
 BNA_F
 ClientSampleId :
 BL-(3)

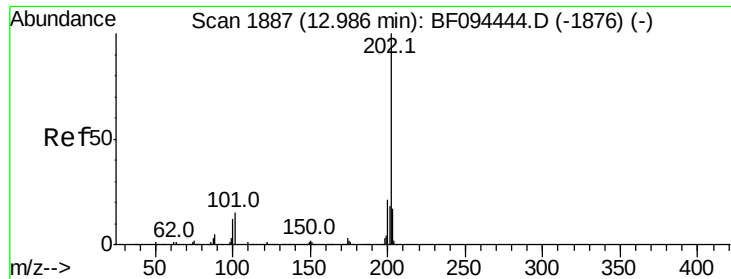
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	33.2
203	17.6	0.0	38.1



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.45 min Scan# 2127
 Delta R.T. -0.02 min
 Lab File: BF094581.D
 Acq: 24 Apr 2017 13:21

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.9	5.8	8.8#
236	24.5	20.5	30.7

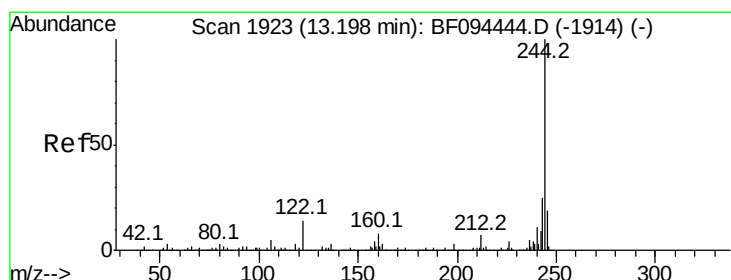
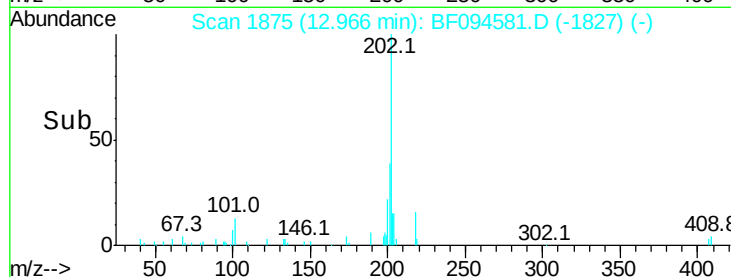
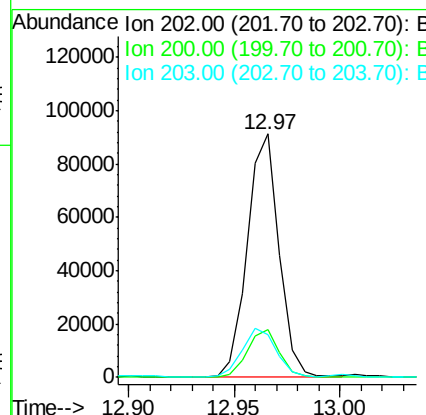
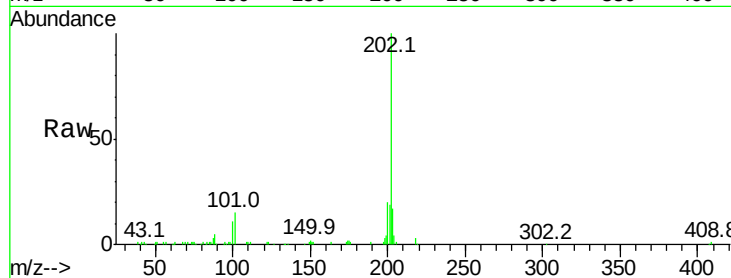




#77
Pvrene
Concen: 4.86 ng
RT: 12.97 min Scan# 1875
Delta R.T. -0.02 min
Lab File: BF094581.D
Acq: 24 Apr 2017 13:21

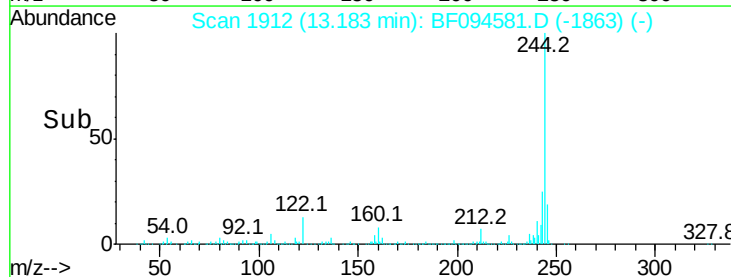
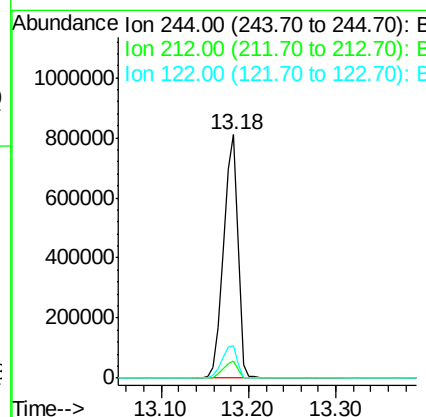
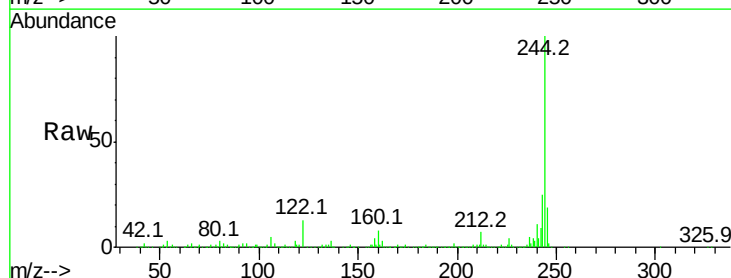
Instrument :
BNA_F
ClientSampleId :
BL-(3)

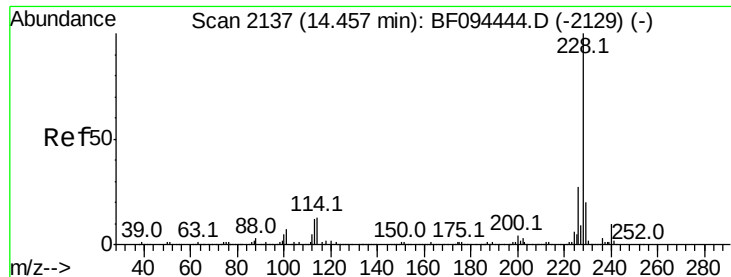
Tot Ion	Ratio	Lower	Upper
202	100		
200	19.6	17.6	26.4
203	17.4	14.4	21.6



#78
Terphenyl-d14
Concen: 88.62 ng
RT: 13.18 min Scan# 1912
Delta R.T. -0.01 min
Lab File: BF094581.D
Acq: 24 Apr 2017 13:21

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	13.5	10.3	15.5





#80

Benzo(a)anthracene

Concen: 2.36 ng

RT: 14.44 min Scan# 2125

Delta R.T. -0.02 min

Lab File: BF094581.D

Acq: 24 Apr 2017 13:21

Instrument :

BNA_F

ClientSampled :

BL-(3)

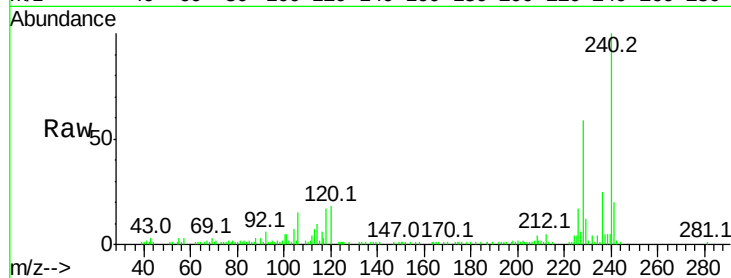
Tot Ion:228 Resp: 38459

Ion Ratio Lower Upper

228 100

226 29.1 22.6 33.8

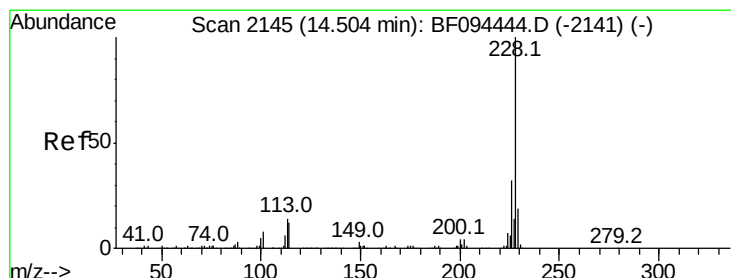
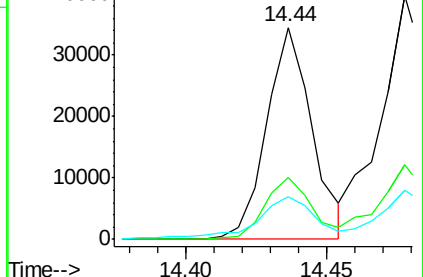
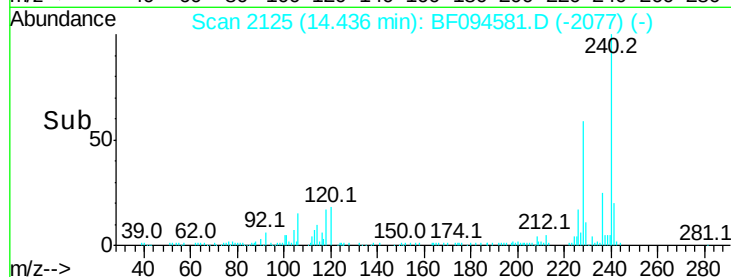
229 20.3 16.3 24.5



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: 3.22 ng

RT: 14.48 min Scan# 2132

Delta R.T. -0.03 min

Lab File: BF094581.D

Acq: 24 Apr 2017 13:21

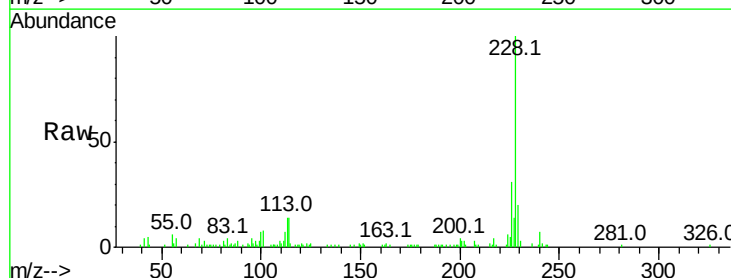
Tgt Ion:228 Resp: 47934

Ion Ratio Lower Upper

228 100

226 30.7 24.9 37.3

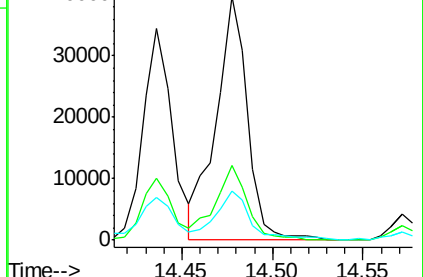
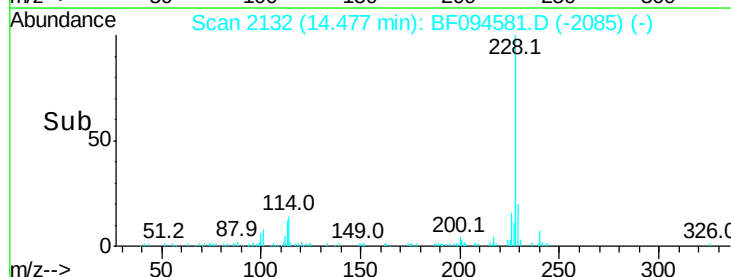
229 19.9 15.8 23.6

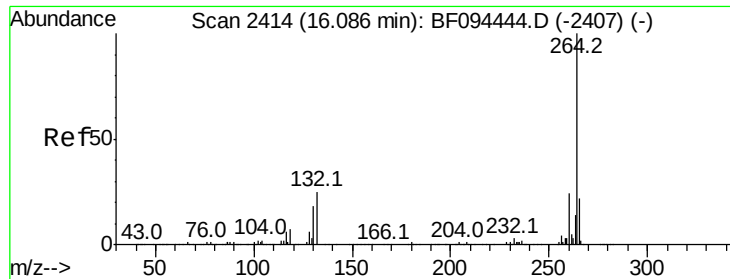


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

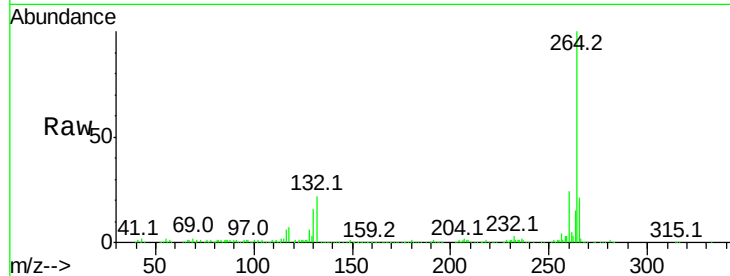




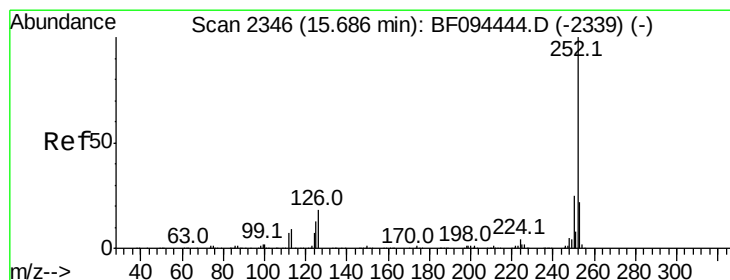
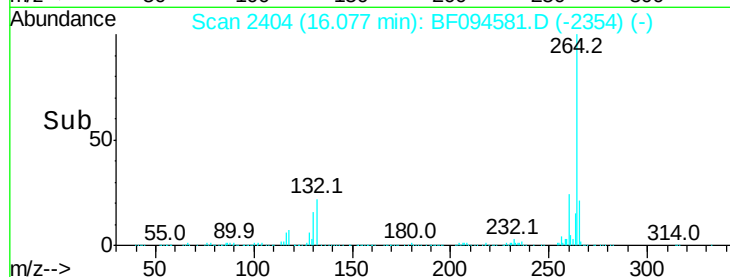
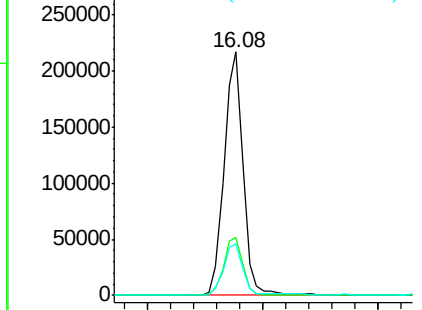
#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.08 min Scan# 2404
Delta R.T. -0.01 min
Lab File: BF094581.D
Acq: 24 Apr 2017 13:21

Instrument :
BNA_F
ClientSampleID :
BL-(3)

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.5	29.3
265	21.4	17.2	25.8

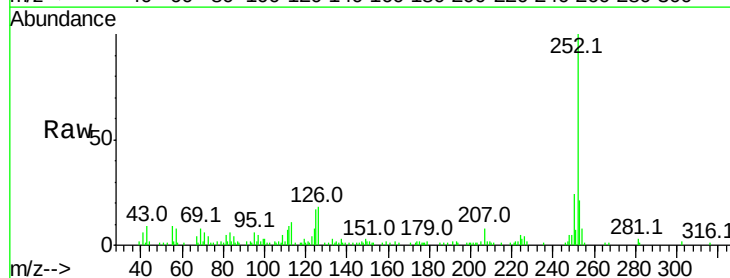


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

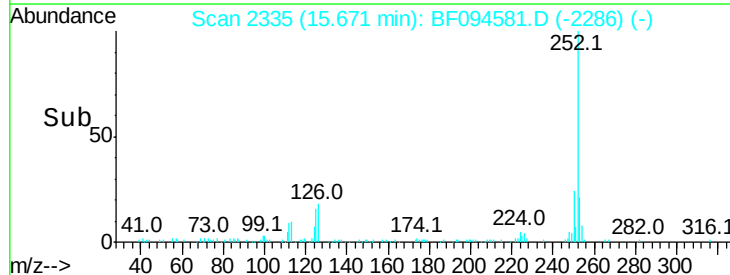
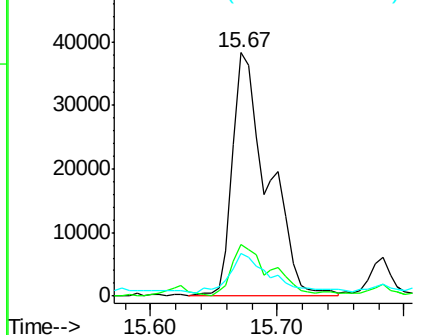


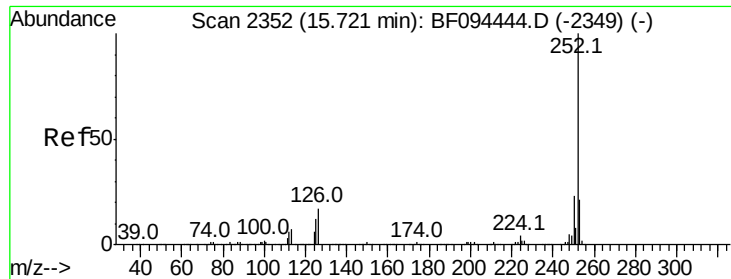
#87
Benzo(b)fluoranthene
Concen: 4.91 ng
RT: 15.67 min Scan# 2335
Delta R.T. -0.01 min
Lab File: BF094581.D
Acq: 24 Apr 2017 13:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.1	18.1	27.1
125	17.3	9.8	14.8



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

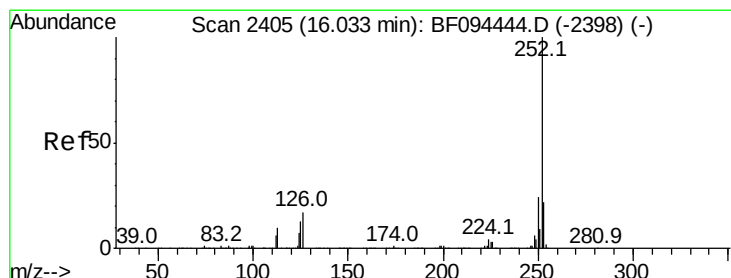
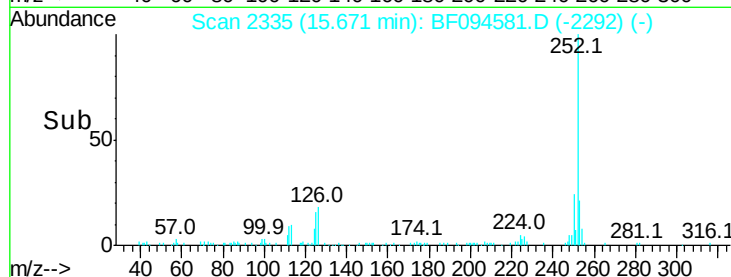
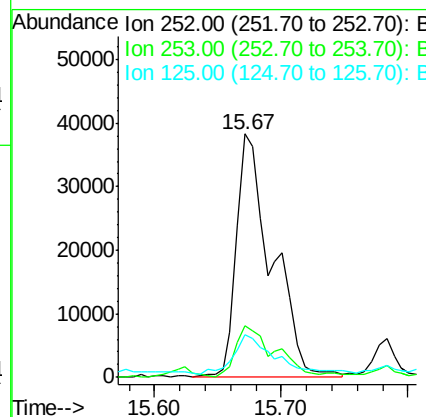
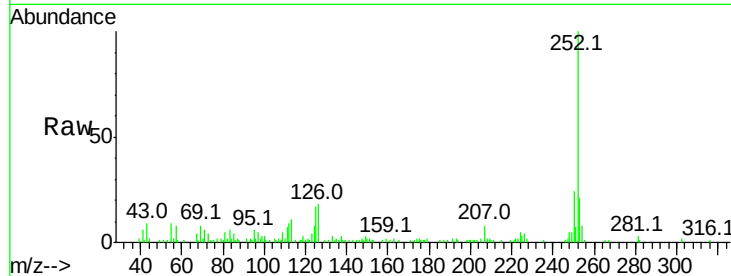




#88
Benzo(k)fluoranthene
Concen: 5.19 ng
RT: 15.67 min Scan# 2335
Delta R.T. -0.05 min
Lab File: BF094581.D
Acq: 24 Apr 2017 13:21

Instrument :
BNA_F
ClientSampleId :
BL-(3)

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.1	18.4	27.6
125	17.3	13.1	19.7



#89
Benzo(a)pyrene
Concen: 2.40 ng
RT: 16.02 min Scan# 2394
Delta R.T. -0.01 min
Lab File: BF094581.D
Acq: 24 Apr 2017 13:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.5	26.3
125	16.8	11.0	16.4

