

Data Path : Z:\HPCHEM1\BNA F\Data\BF031117\
 Data File : BF093579.D
 Acq On : 11 Mar 2017 20:42
 Operator : SJ/MA
 Sample : I2233-05 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 13 16:39:18 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 13 15:05:08 2017
 Response via : Initial Calibration

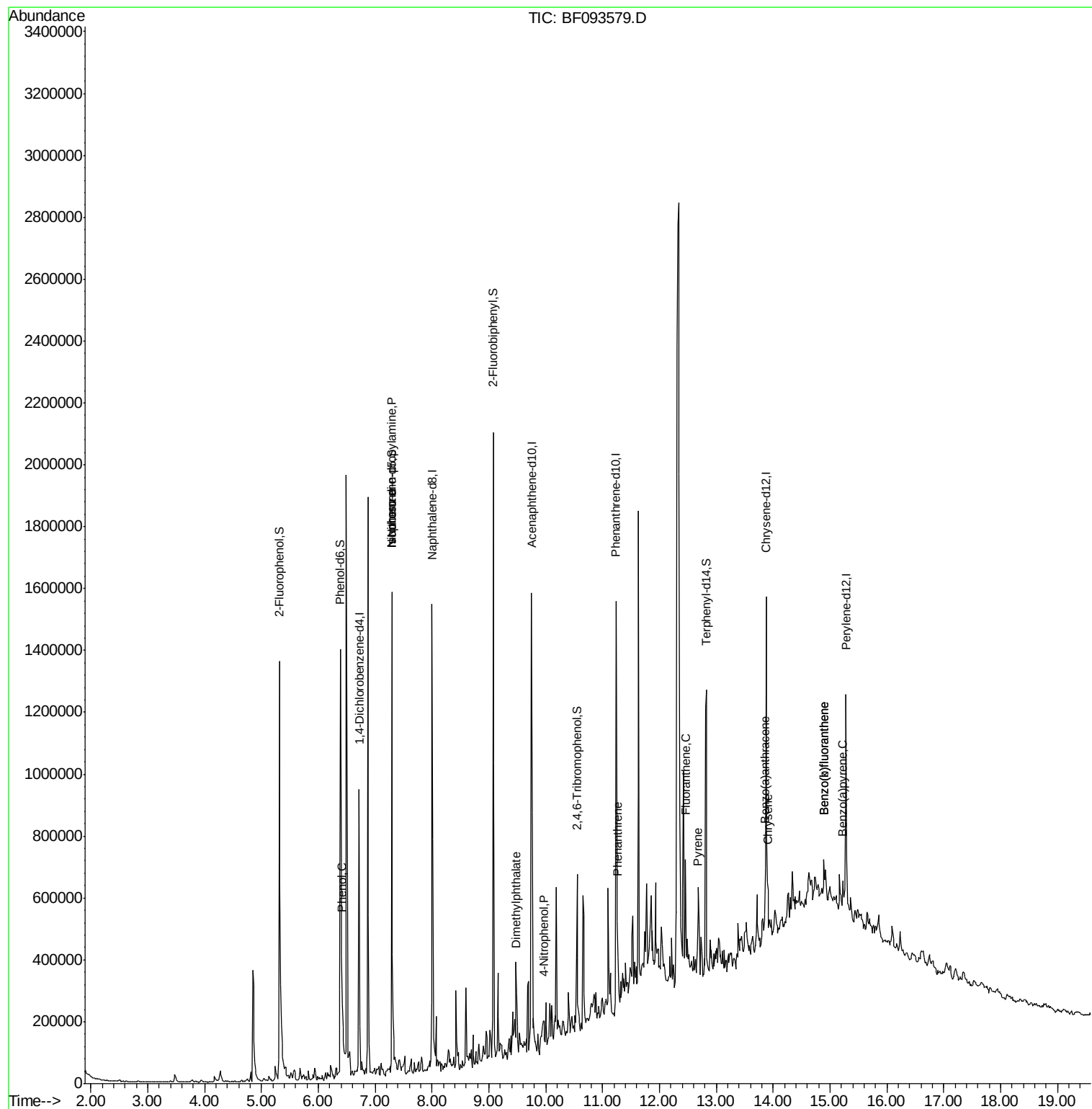
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	200316	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	757350	20.00	ng	-0.01
38) Acenaphthene-d10	9.75	164	326284	20.00	ng	-0.01
63) Phenanthrene-d10	11.24	188	508926	20.00	ng	-0.01
75) Chrysene-d12	13.88	240	363859	20.00	ng	-0.01
86) Perylene-d12	15.28	264	328677	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	560278	46.55	ng	0.00
7) Phenol-d6	6.39	99	806883	53.16	ng	0.01
23) Nitrobenzene-d5	7.29	82	535684	39.24	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	53138	25.00	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	709216	40.43	ng	-0.01
78) Terphenyl-d14	12.83	244	407603	29.12	ng	0.00
Target Compounds						
9) Benzaldehyde	6.28	77	518	Below Cal	#	1
10) Phenol	6.41	94	50855	2.73	ng	94
19) n-Nitroso-di-n-propylamine	7.29	70	72202	6.92	ng	# 83
25) Isophorone	7.29	82	534965	19.44	ng	# 65
49) Dimethylphthalate	9.49	163	79690	3.68	ng	99
55) 4-Nitrophenol	9.97	139	6969	2.52	ng	# 29
70) Phenanthrene	11.26	178	127472	4.39	ng	97
74) Fluoranthene	12.46	202	131650	4.69	ng	95
77) Pyrene	12.68	202	122437	4.63	ng	98
80) Benzo(a)anthracene	13.87	228	86679	4.03	ng	# 89
82) Chrysene	13.91	228	79917	4.02	ng	# 87
87) Benzo(b)fluoranthene	14.89	252	95281	4.76	ng	# 90
88) Benzo(k)fluoranthene	14.89	252	95281	4.94	ng	# 90
89) Benzo(a)pyrene	15.23	252	49725	2.72	ng	# 81

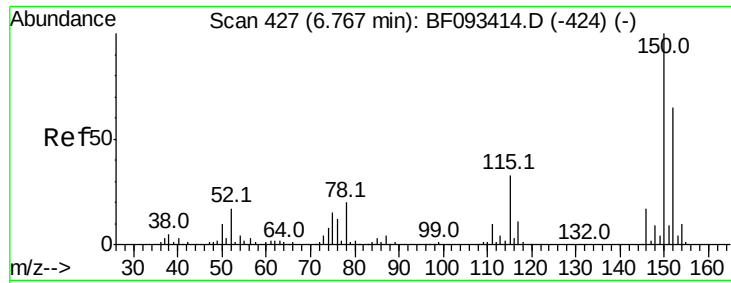
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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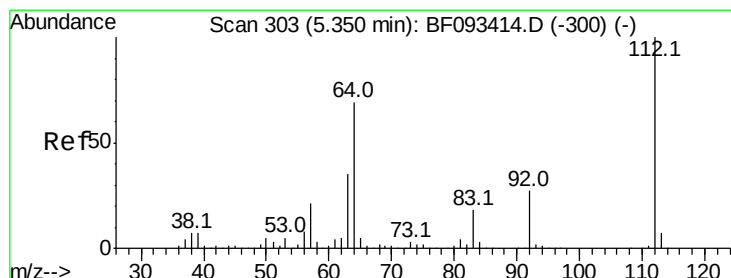
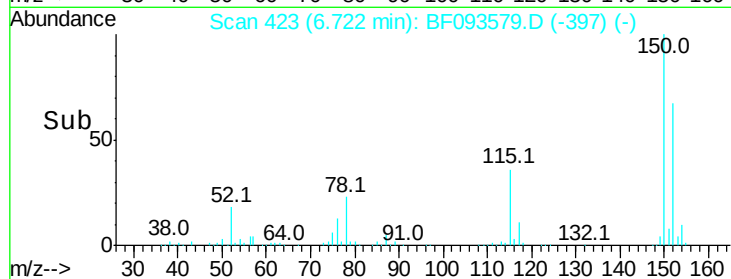
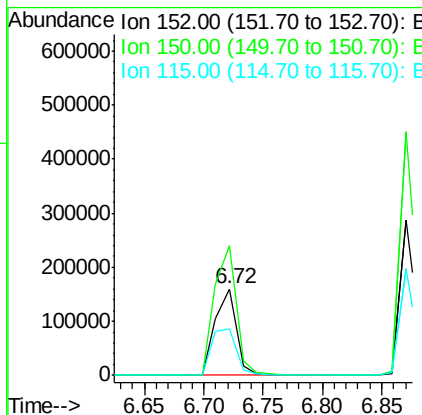
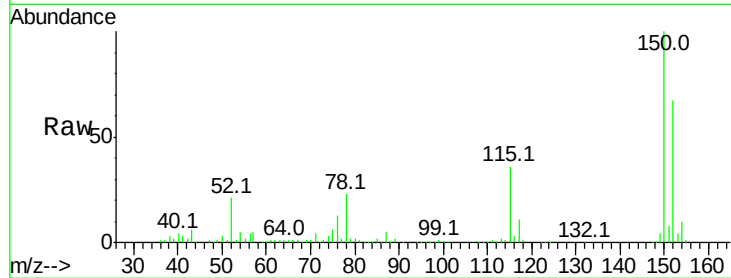


#1

1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.72 min Scan# 423
 Delta R.T. -0.00 min
 Lab File: BF093579.D
 Acq: 11 Mar 2017 20:42

Instrument :
 BNA_F
 ClientSampleId :

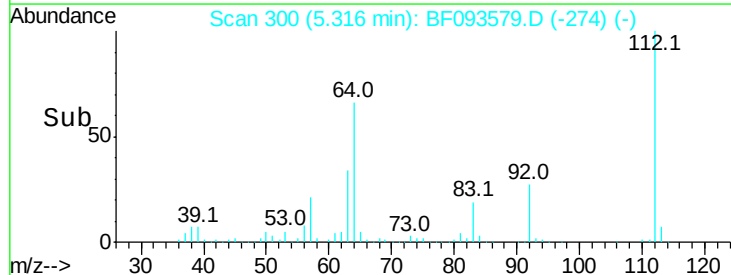
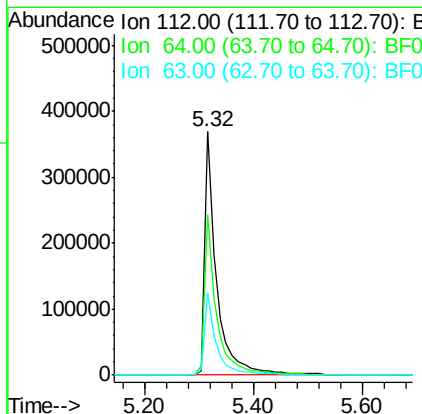
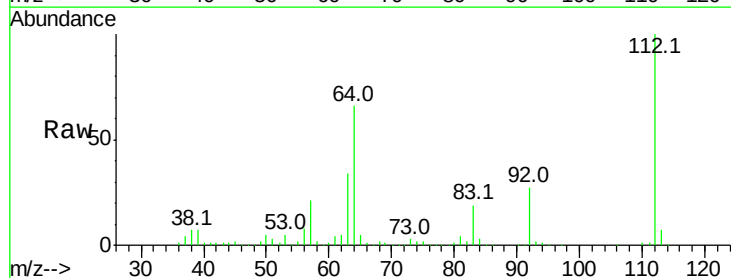
Tot Ion	Ratio	Lower	Upper
152	100		
150	150.0	124.9	187.3
115	53.7	46.0	69.0

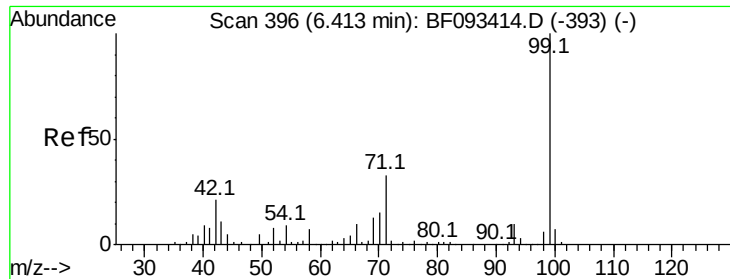


#5

2-Fluorophenol
 Concen: 46.55 ng
 RT: 5.32 min Scan# 300
 Delta R.T. -0.00 min
 Lab File: BF093579.D
 Acq: 11 Mar 2017 20:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.6	46.1	69.1
63	33.7	23.8	35.6





#7

Phenol-d6

Concen: 53.16 ng

RT: 6.39 min Scan# 394

Delta R.T. 0.01 min

Lab File: BF093579.D

Acq: 11 Mar 2017 20:42

Instrument :
BNA_F
ClientSampleId :

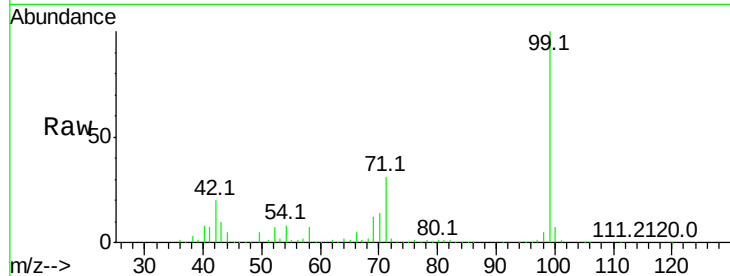
Tot Ion: 99 Resp: 806883

Ion Ratio Lower Upper

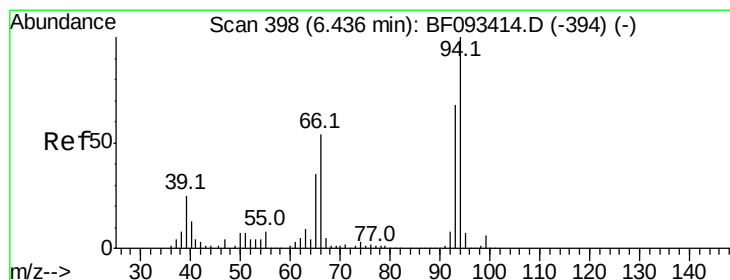
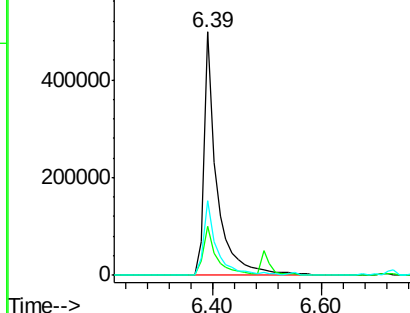
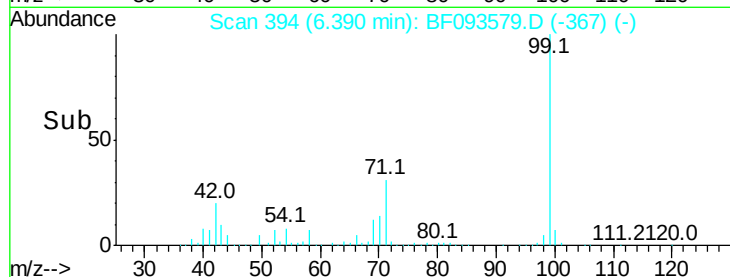
99 100

42 19.9 15.6 23.4

71 30.7 27.5 41.3



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.73 ng

RT: 6.41 min Scan# 396

Delta R.T. 0.01 min

Lab File: BF093579.D

Acq: 11 Mar 2017 20:42

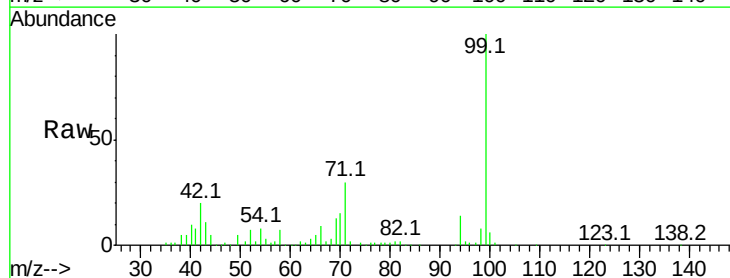
Tgt Ion: 94 Resp: 50855

Ion Ratio Lower Upper

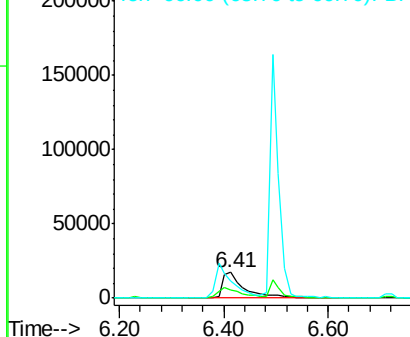
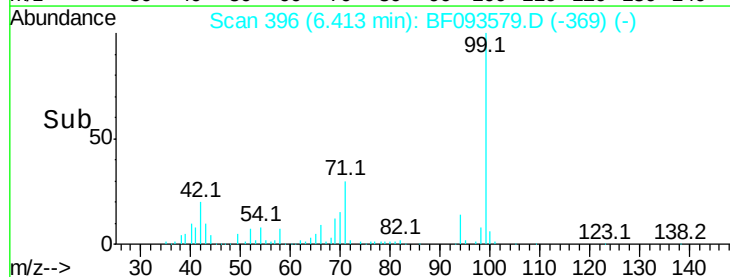
94 100

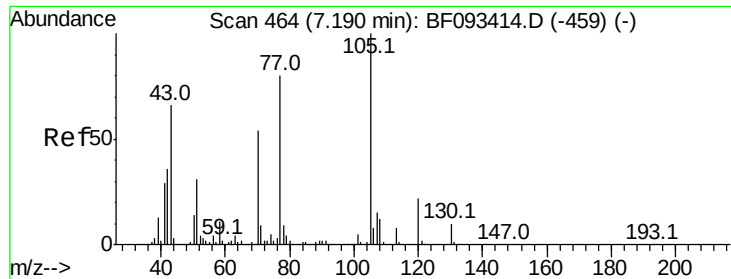
65 32.4 21.4 61.4

66 65.1 44.0 84.0



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

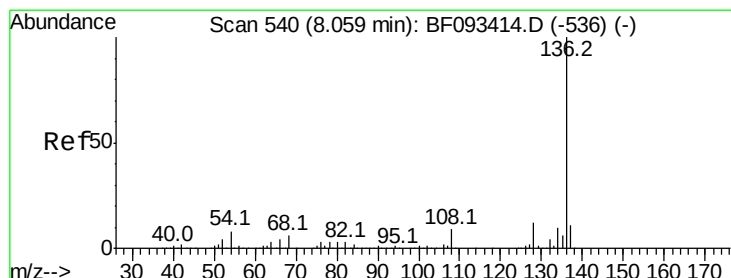
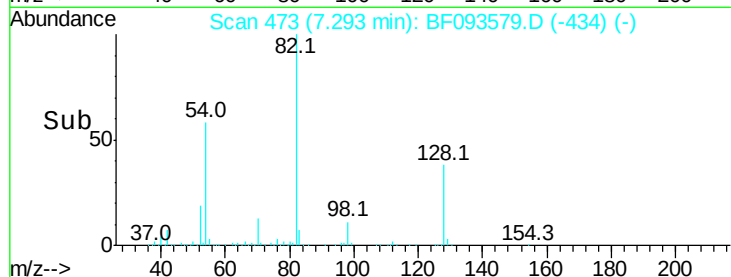
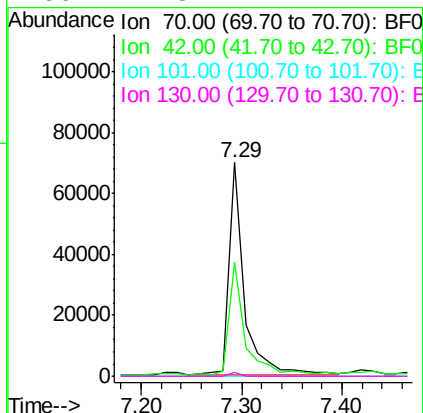
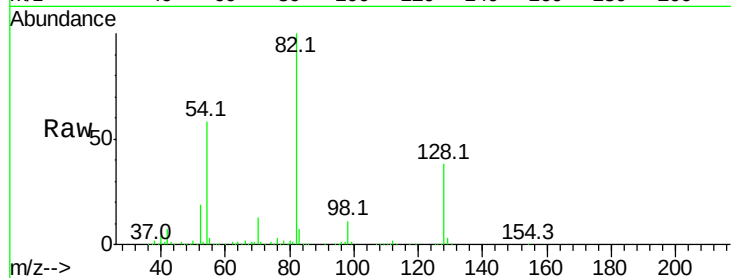




#19
n-Nitroso-di-n-propylamine
Concen: 6.92 ng
RT: 7.29 min Scan# 473
Delta R.T. 0.15 min
Lab File: BF093579.D
Acq: 11 Mar 2017 20:42

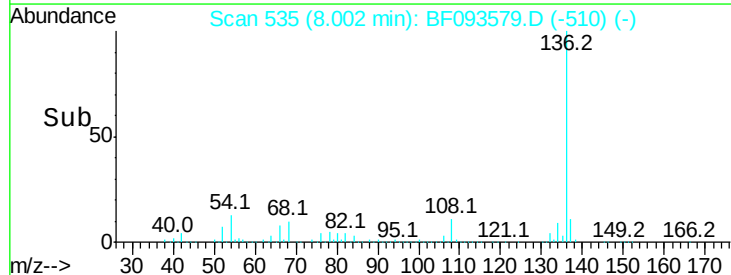
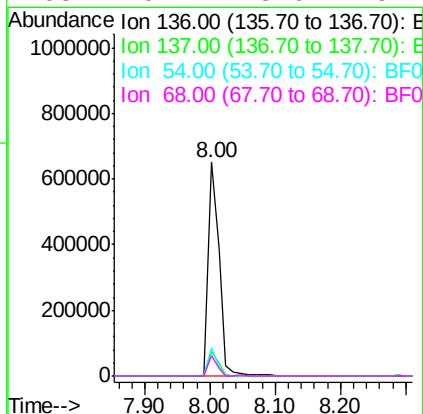
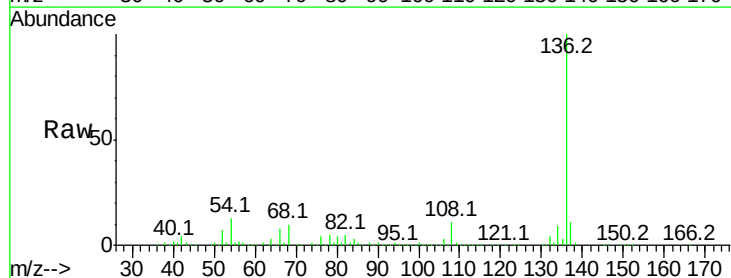
Instrument :
BNA_F
ClientSampleId :

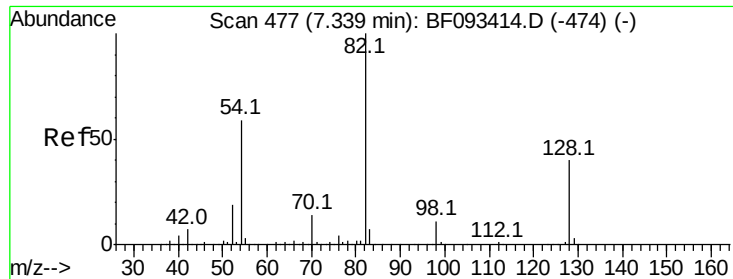
Tot Ion: 70 Resp: 72202
Ion Ratio Lower Upper
70 100
42 53.4 49.4 74.0
101 0.0 7.4 11.2#
130 1.8 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.00 min Scan# 535
Delta R.T. -0.01 min
Lab File: BF093579.D
Acq: 11 Mar 2017 20:42

Tgt Ion:136 Resp: 757350
Ion Ratio Lower Upper
136 100
137 11.3 8.4 12.6
54 13.4 4.5 6.7#
68 9.7 3.6 5.4#

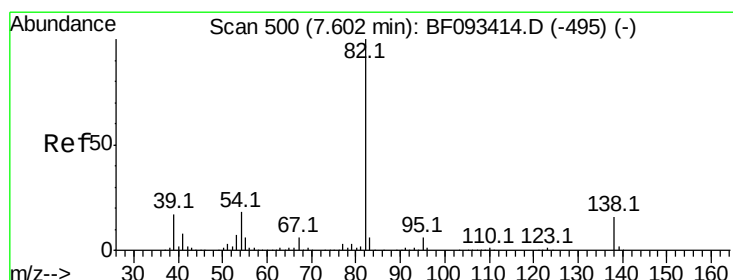
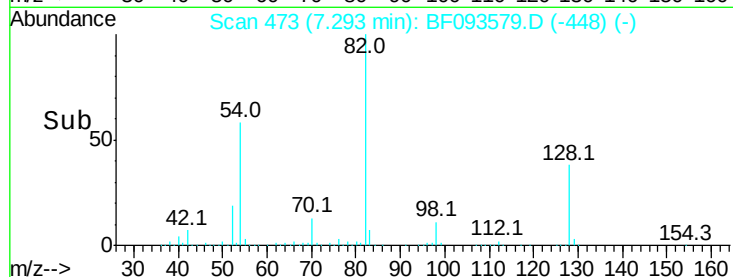
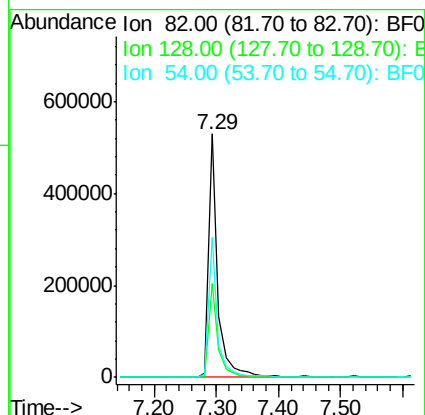
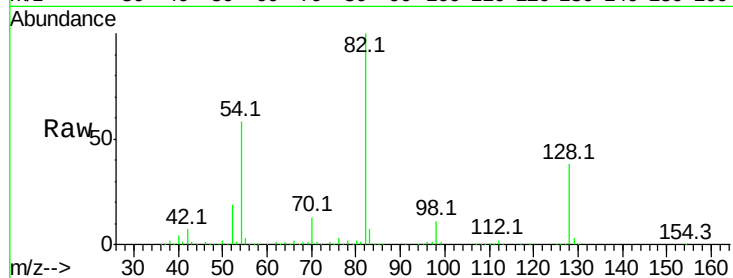




#23
Nitrobenzene-d5
Concen: 39.24 ng
RT: 7.29 min Scan# 473
Delta R.T. -0.01 min
Lab File: BF093579.D
Acq: 11 Mar 2017 20:42

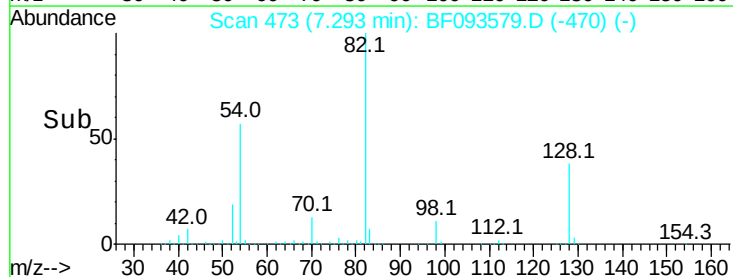
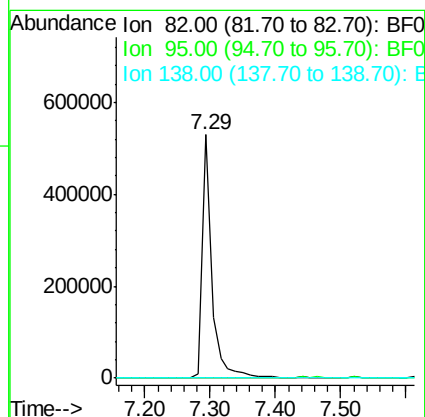
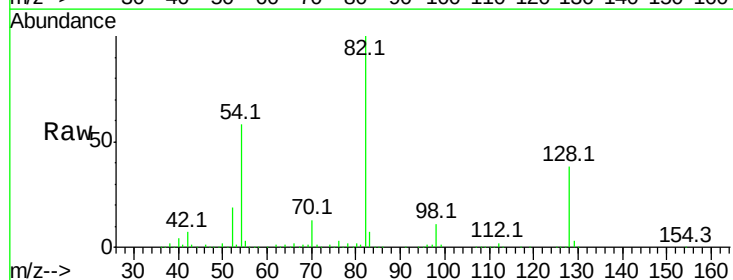
Instrument :
BNA_F
ClientSampleId :

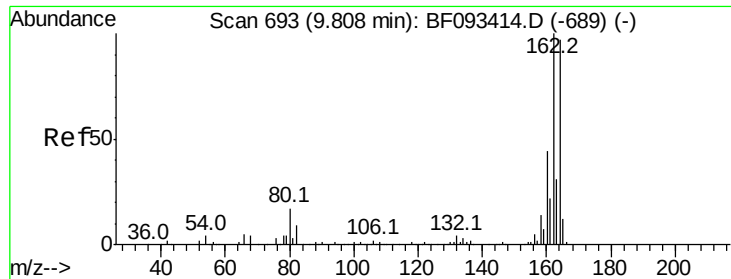
Tot Ion	82	Resp	535684
Ion Ratio	Lower	Upper	
82	100		
128	38.3	34.6	52.0
54	57.5	39.5	59.3



#25
Isophorone
Concen: 19.44 ng
RT: 7.29 min Scan# 473
Delta R.T. -0.26 min
Lab File: BF093579.D
Acq: 11 Mar 2017 20:42

Tgt Ion	82	Resp	534965
Ion Ratio	Lower	Upper	
82	100		
95	0.1	5.6	8.4#
138	0.0	14.6	22.0#

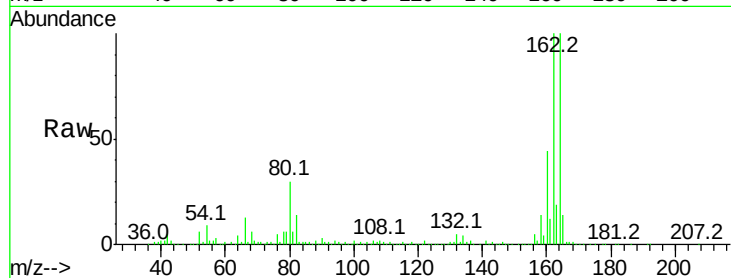




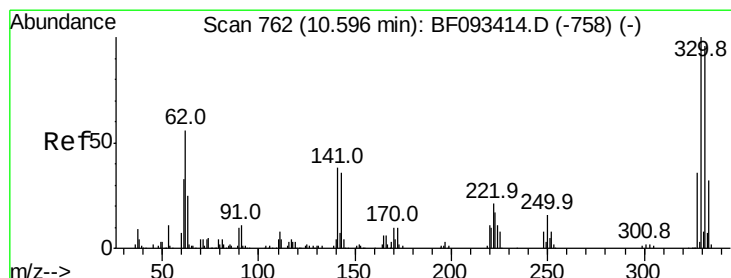
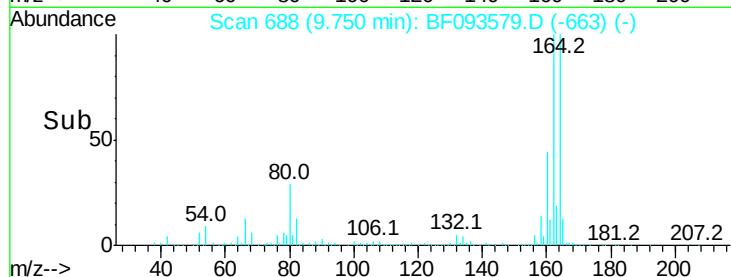
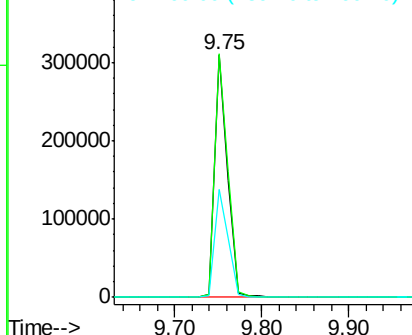
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.75 min Scan# 688
Delta R.T. -0.01 min
Lab File: BF093579.D
Acq: 11 Mar 2017 20:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 326284
Ion Ratio Lower Upper
164 100
162 100.5 80.2 120.2
160 44.7 36.9 55.3

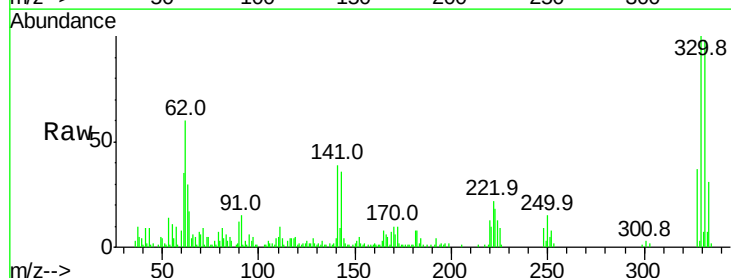


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

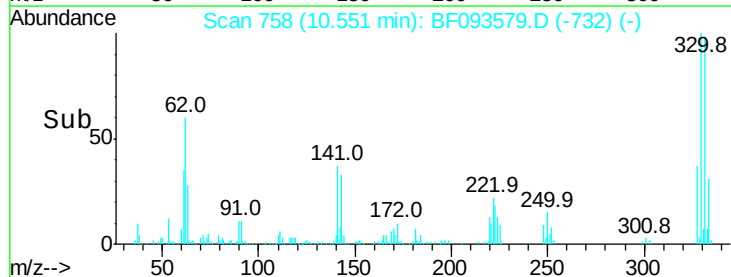
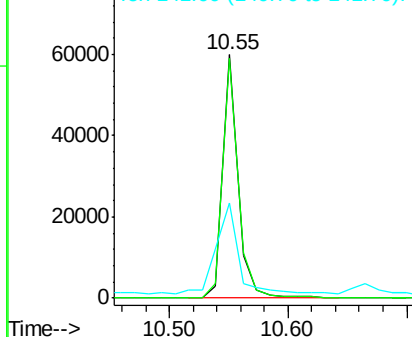


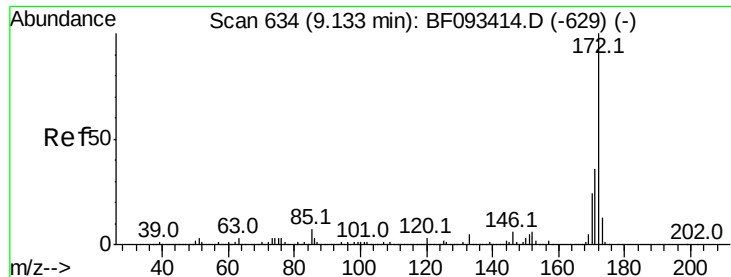
#41
2,4,6-Tribromophenol
Concen: 25.00 ng
RT: 10.55 min Scan# 758
Delta R.T. -0.00 min
Lab File: BF093579.D
Acq: 11 Mar 2017 20:42

Tgt Ion:330 Resp: 53138
Ion Ratio Lower Upper
330 100
332 100.4 77.4 116.2
141 55.0 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: 40.43 ng

RT: 9.08 min Scan# 629

Delta R.T. -0.01 min

Lab File: BF093579.D

Acq: 11 Mar 2017 20:42

Instrument :

BNA_F

ClientSampleId :

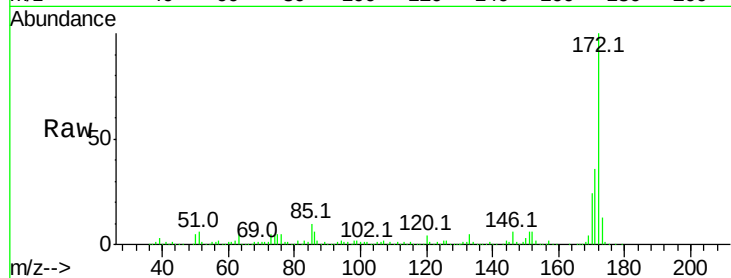
Tot Ion:172 Resp: 709216

Ion Ratio Lower Upper

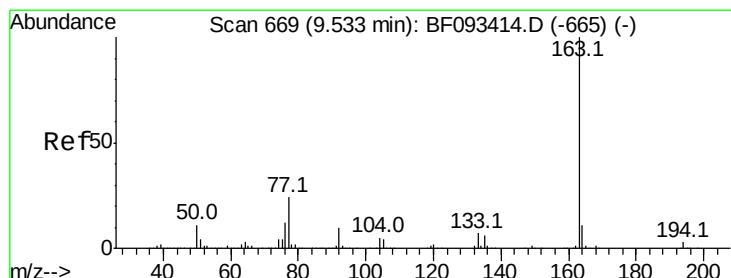
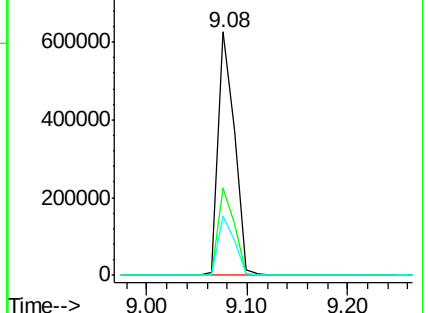
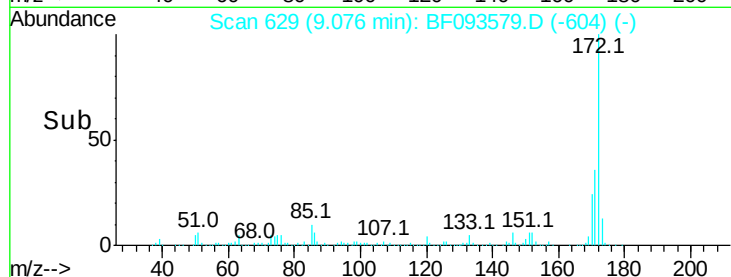
172 100

171 35.7 29.4 44.0

170 24.2 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



#49

Dimethylphthalate

Concen: 3.68 ng

RT: 9.49 min Scan# 665

Delta R.T. -0.01 min

Lab File: BF093579.D

Acq: 11 Mar 2017 20:42

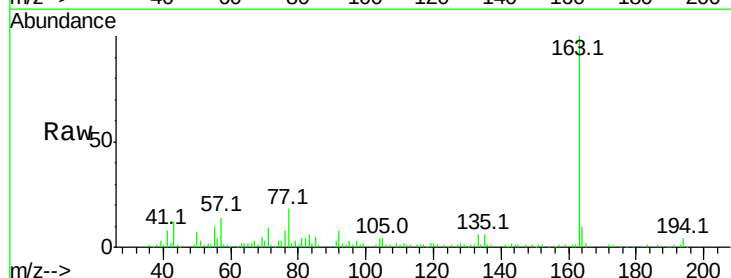
Tgt Ion:163 Resp: 79690

Ion Ratio Lower Upper

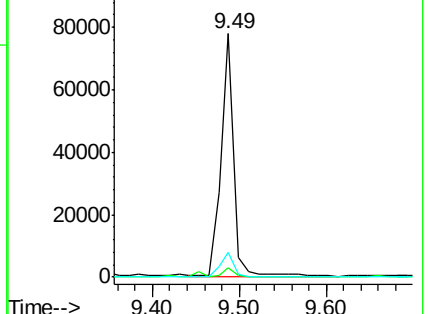
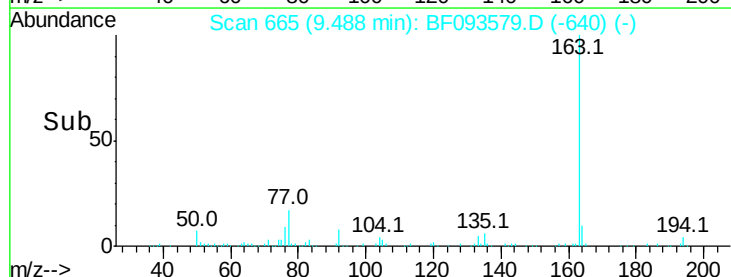
163 100

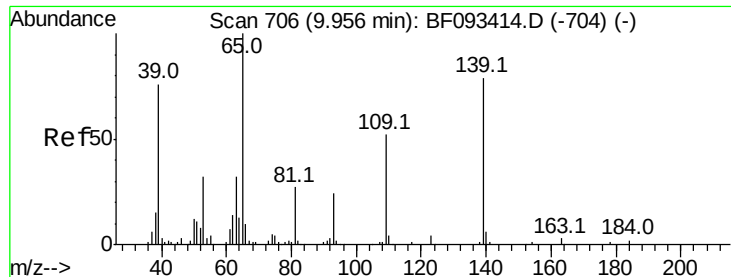
194 4.0 3.0 4.4

164 10.2 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

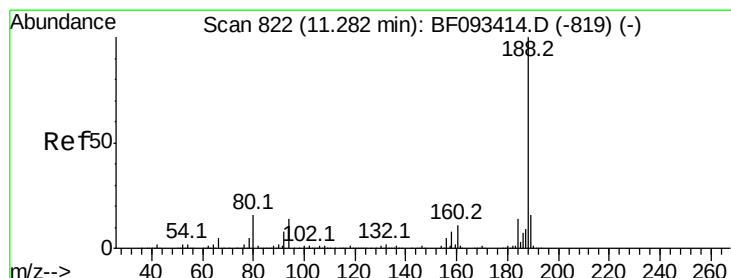
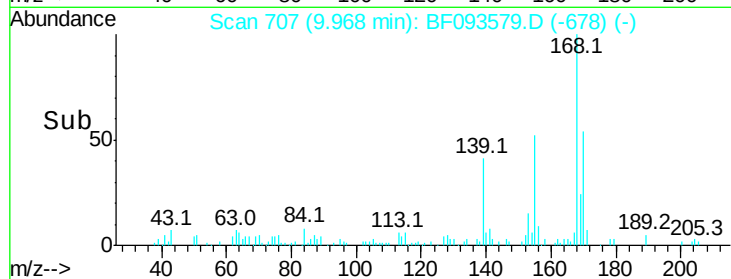
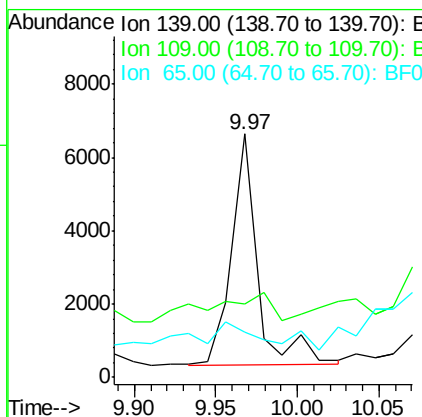
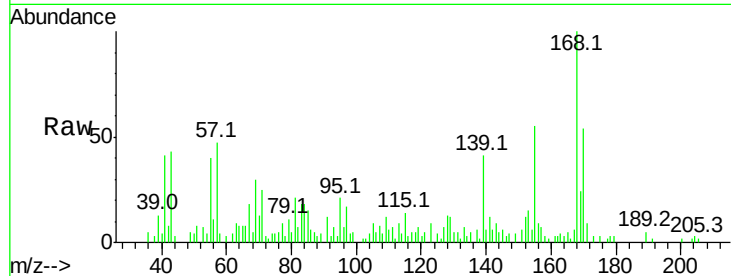




#55
4-Nitrophenol
Concen: 2.52 ng
RT: 9.97 min Scan# 707
Delta R.T. 0.03 min
Lab File: BF093579.D
Acq: 11 Mar 2017 20:42

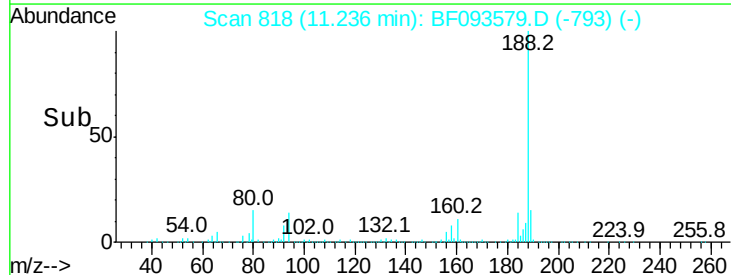
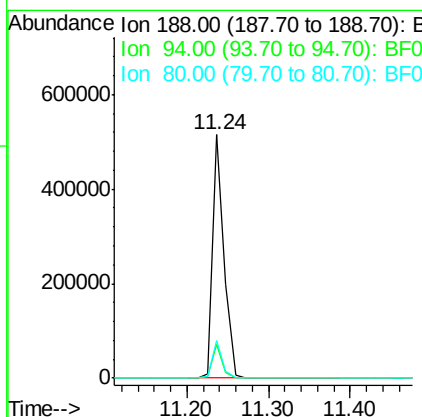
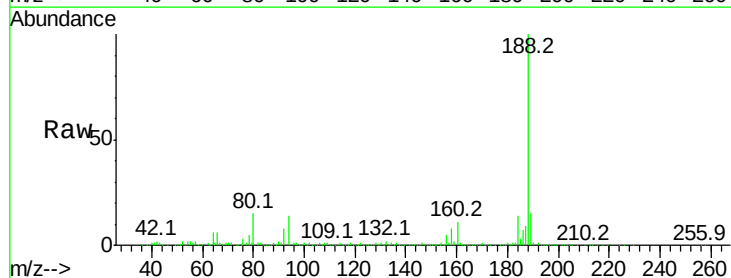
Instrument :
BNA_F
ClientSampleId :

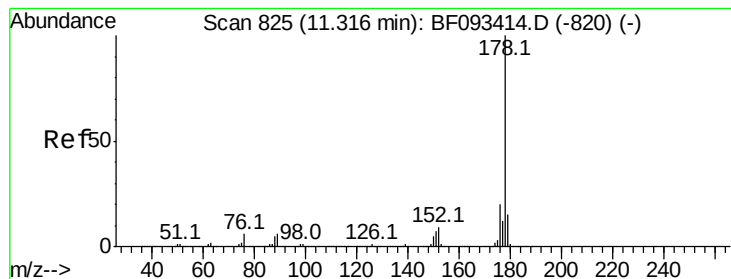
Tot Ion:139 Resp: 6969
Ion Ratio Lower Upper
139 100
109 30.1 52.2 92.2#
65 18.5 85.8 125.8#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.24 min Scan# 818
Delta R.T. -0.01 min
Lab File: BF093579.D
Acq: 11 Mar 2017 20:42

Tgt Ion:188 Resp: 508926
Ion Ratio Lower Upper
188 100
94 13.9 10.0 15.0
80 15.3 11.2 16.8





#70

Phenanthrene

Concen: 4.39 ng

RT: 11.26 min Scan# 820

Delta R.T. -0.01 min

Lab File: BF093579.D

Acq: 11 Mar 2017 20:42

Instrument :

BNA_F

ClientSampled :

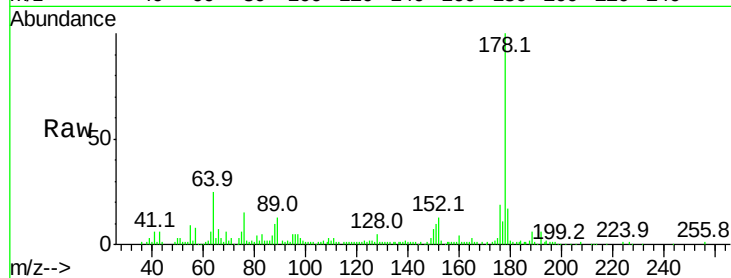
Tot Ion:178 Resp: 127472

Ion Ratio Lower Upper

178 100

176 19.1 16.6 25.0

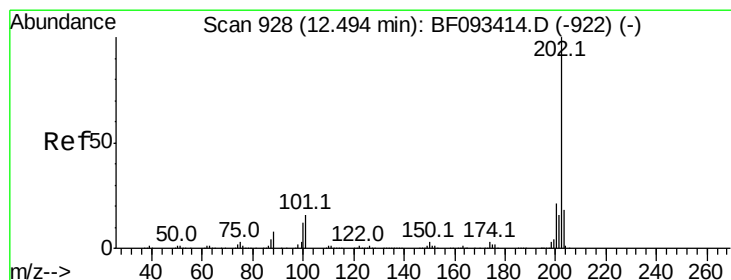
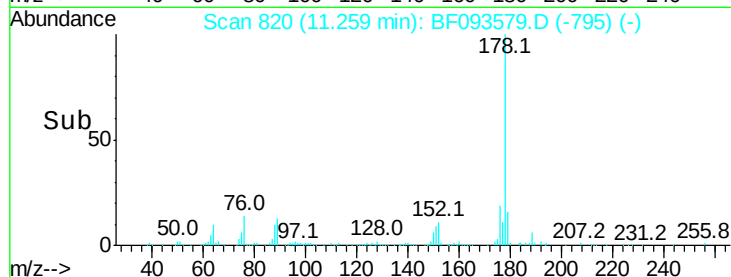
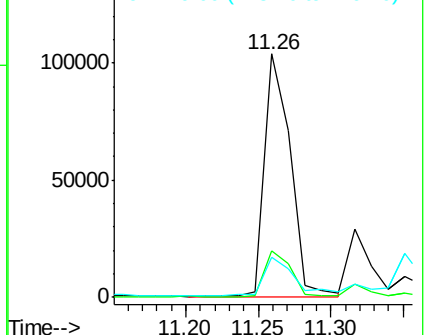
179 16.6 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 4.69 ng

RT: 12.46 min Scan# 925

Delta R.T. -0.00 min

Lab File: BF093579.D

Acq: 11 Mar 2017 20:42

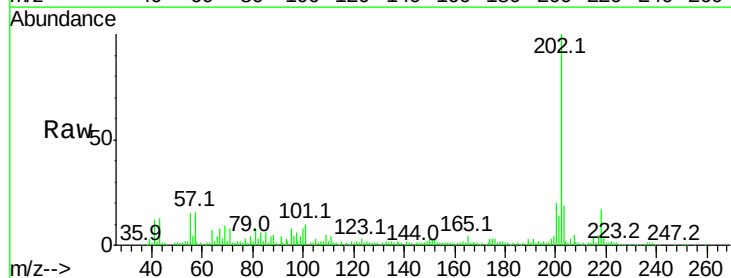
Tgt Ion:202 Resp: 131650

Ion Ratio Lower Upper

202 100

101 10.3 0.0 34.6

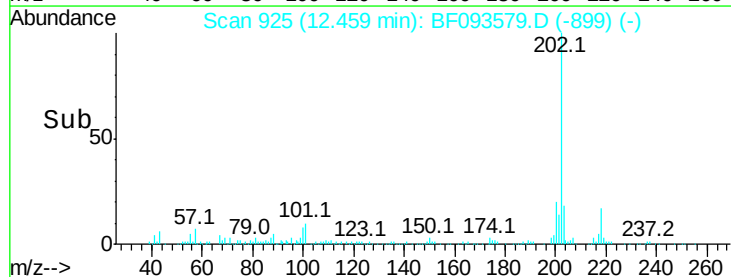
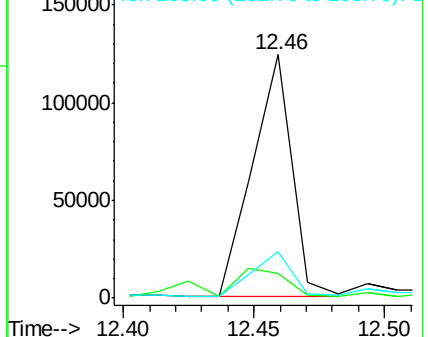
203 19.0 0.0 38.7

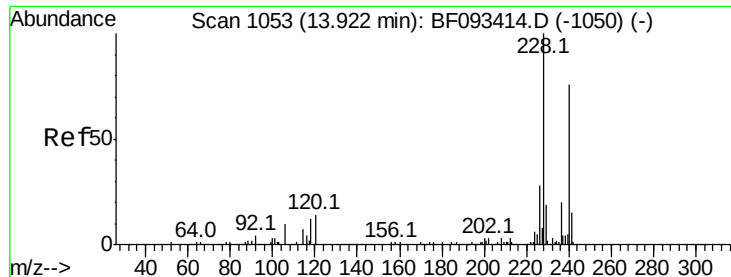


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.88 min Scan# 1049

Delta R.T. -0.01 min

Lab File: BF093579.D

Acq: 11 Mar 2017 20:42

Instrument :

BNA_F

ClientSampled :

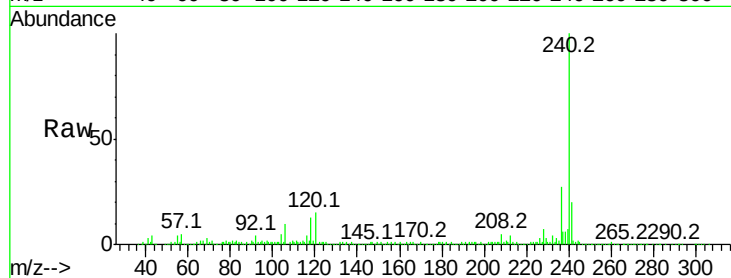
Tot Ion:240 Resp: 363859

Ion Ratio Lower Upper

240 100

120 14.9 12.9 19.3

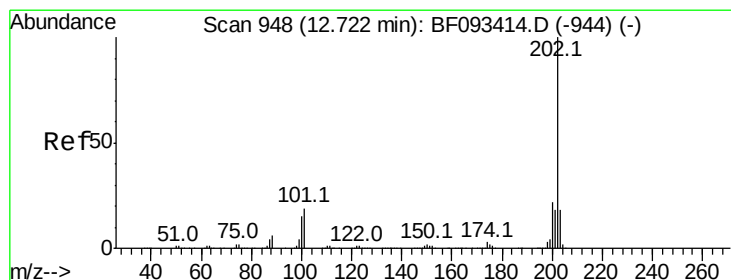
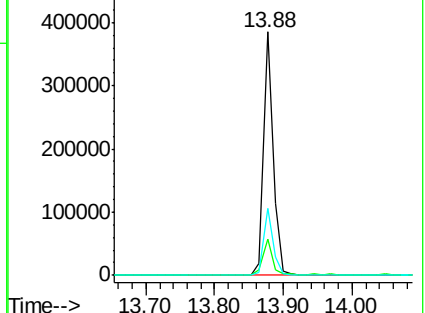
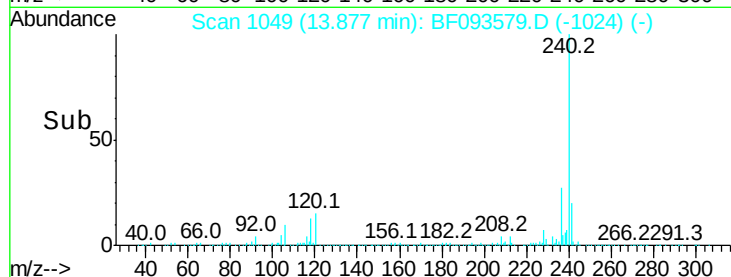
236 27.4 20.9 31.3



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: 4.63 ng

RT: 12.68 min Scan# 944

Delta R.T. -0.00 min

Lab File: BF093579.D

Acq: 11 Mar 2017 20:42

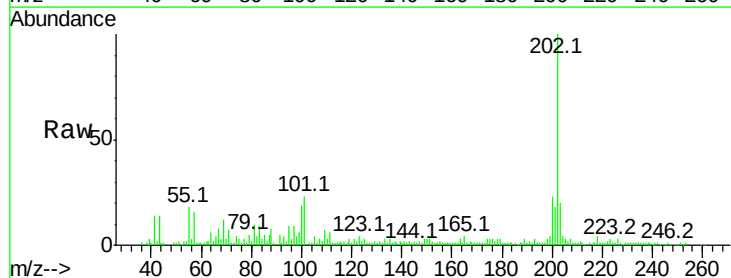
Tgt Ion:202 Resp: 122437

Ion Ratio Lower Upper

202 100

200 22.6 17.7 26.5

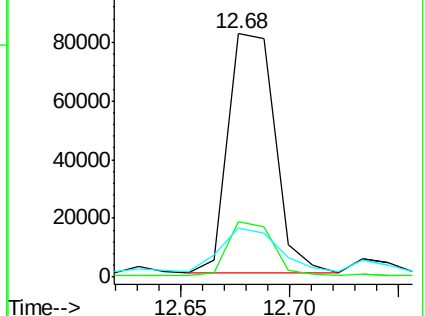
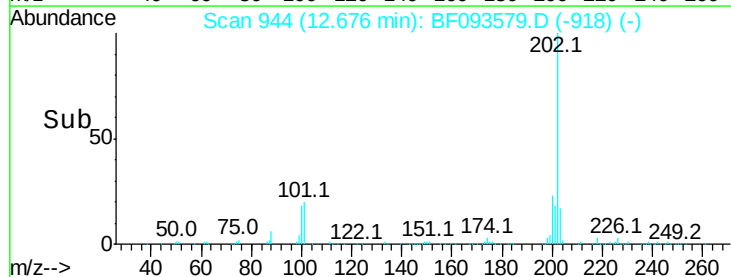
203 20.0 14.7 22.1

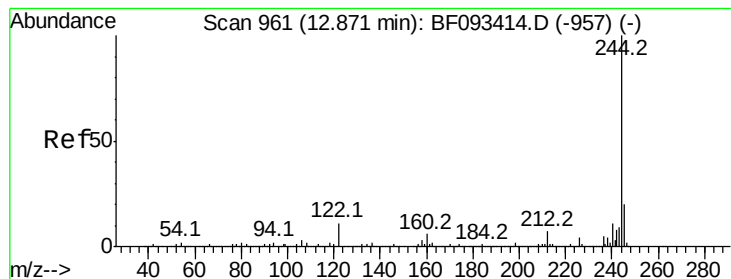


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 29.12 ng

RT: 12.83 min Scan# 957

Delta R.T. -0.00 min

Lab File: BF093579.D

Acq: 11 Mar 2017 20:42

Instrument :

BNA_F

ClientSampled :

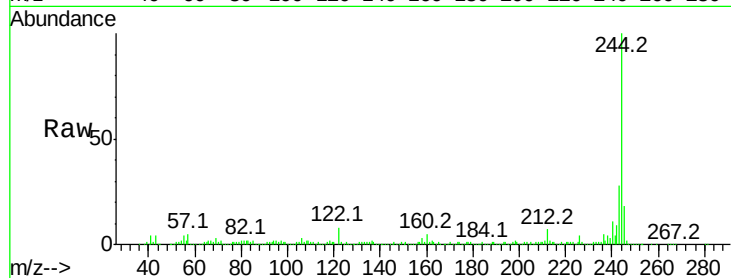
Tot Ion:244 Resp: 407603

Ion Ratio Lower Upper

244 100

212 6.7 6.2 9.2

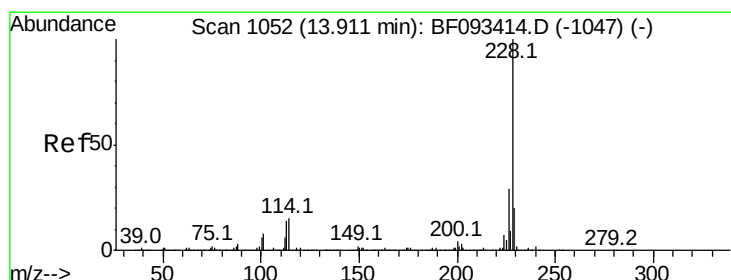
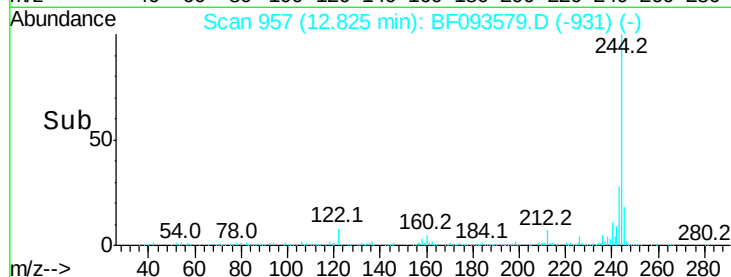
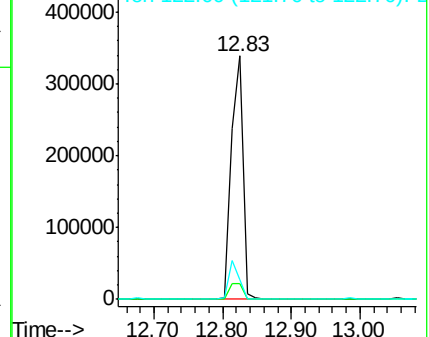
122 8.2 11.4 17.2#



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



#80

Benzo(a)anthracene

Concen: 4.03 ng

RT: 13.87 min Scan# 1048

Delta R.T. -0.00 min

Lab File: BF093579.D

Acq: 11 Mar 2017 20:42

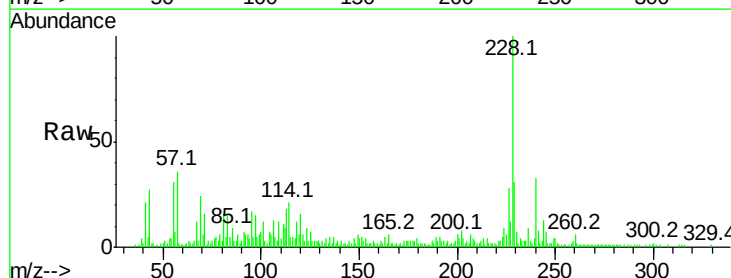
Tgt Ion:228 Resp: 86679

Ion Ratio Lower Upper

228 100

226 28.5 22.4 33.6

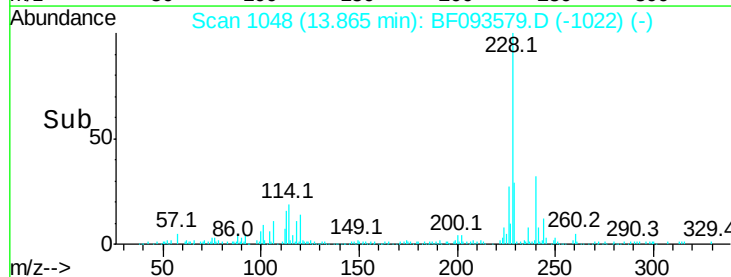
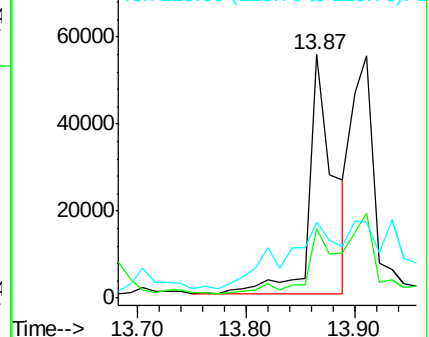
229 31.4 16.2 24.4#

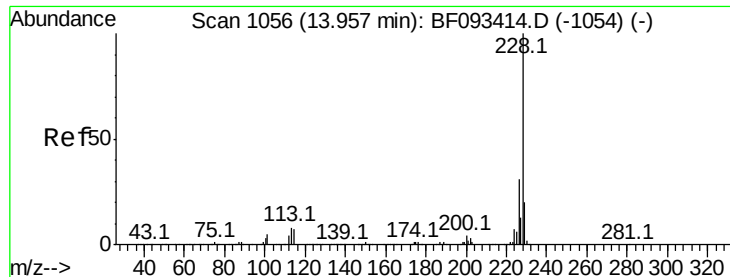


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 4.02 ng

RT: 13.91 min Scan# 1052

Delta R.T. -0.00 min

Lab File: BF093579.D

Acq: 11 Mar 2017 20:42

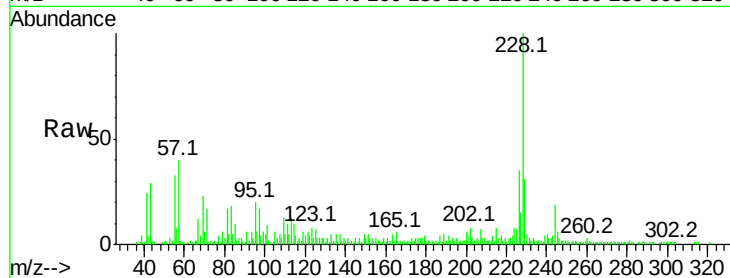
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 79917

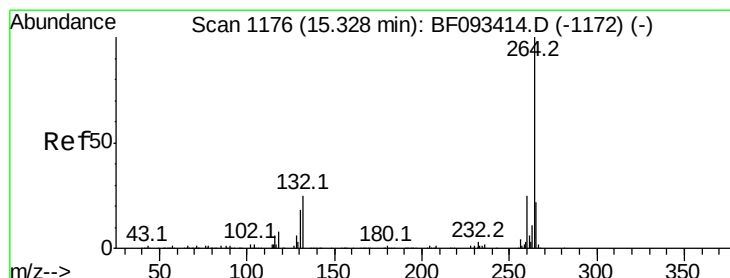
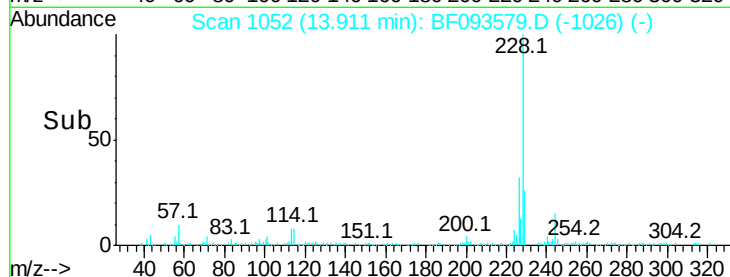
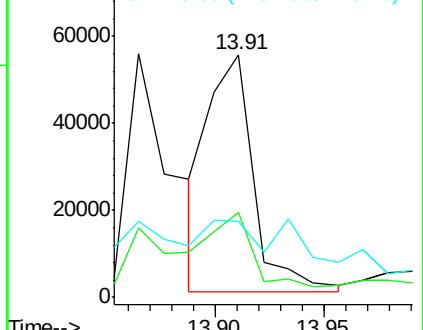
Ion	Ratio	Lower	Upper
228	100		
226	34.9	25.4	38.0
229	31.2	16.2	24.2



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.28 min Scan# 1172

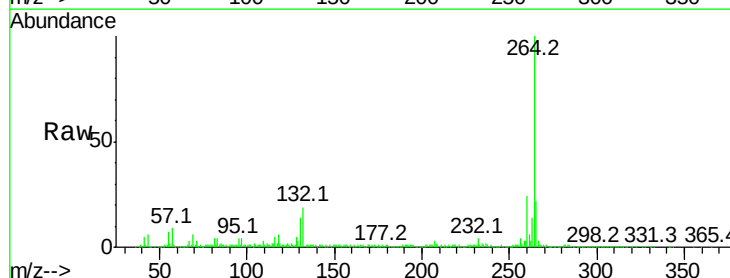
Delta R.T. -0.00 min

Lab File: BF093579.D

Acq: 11 Mar 2017 20:42

Tgt Ion:264 Resp: 328677

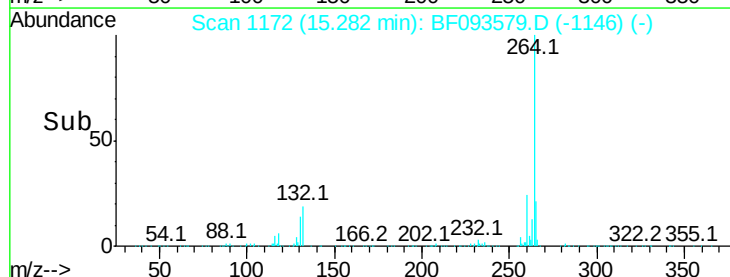
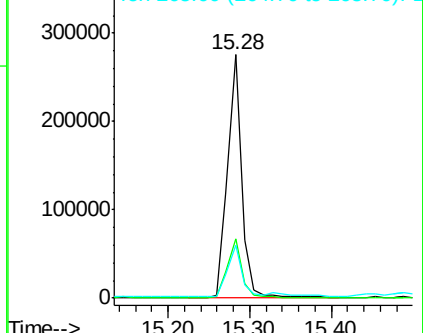
Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	21.6	17.4	26.0

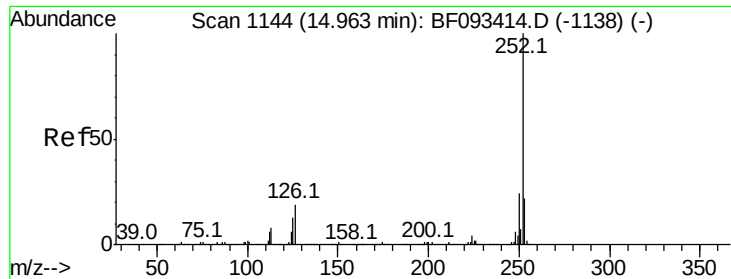


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

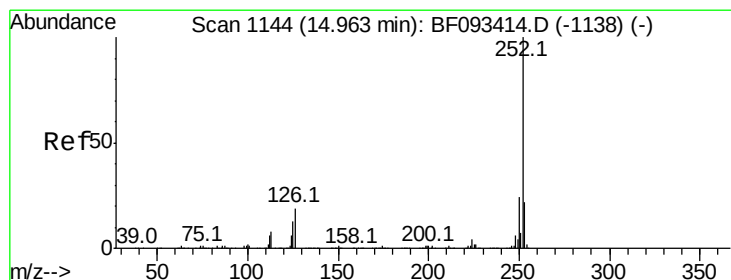
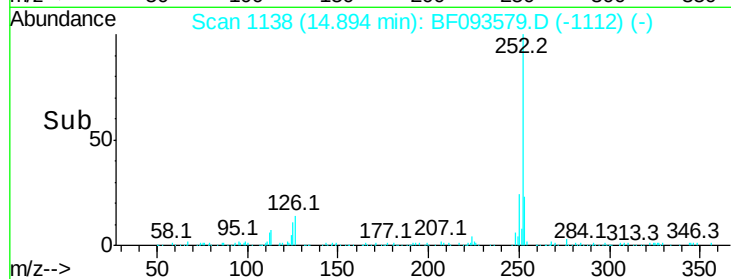
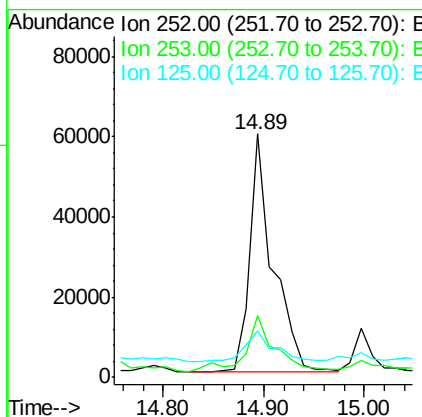
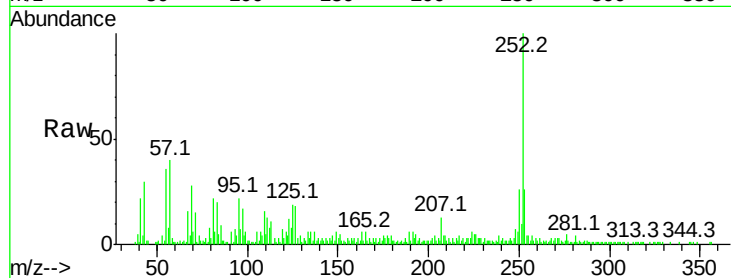




#87
Benzo(b)fluoranthene
Concen: 4.76 ng
RT: 14.89 min Scan# 1138
Delta R.T. -0.00 min
Lab File: BF093579.D
Acq: 11 Mar 2017 20:42

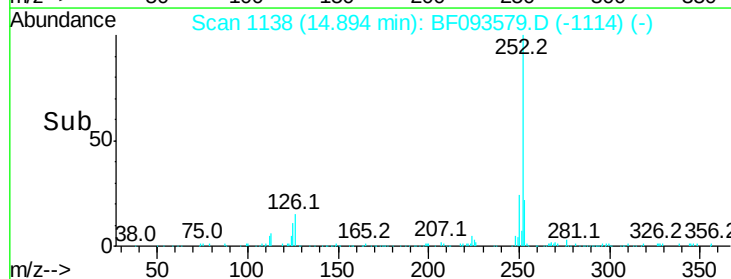
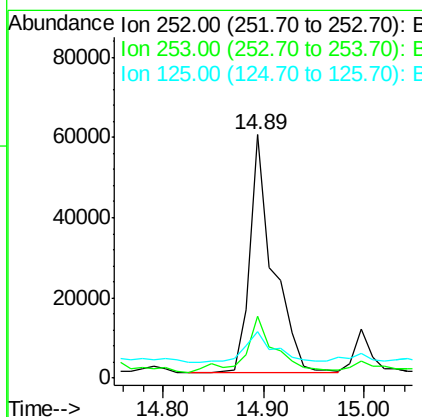
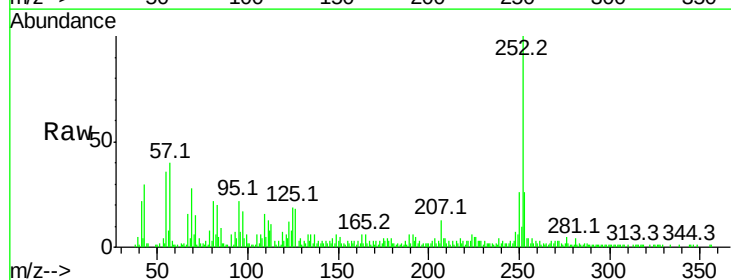
Instrument :
BNA_F
ClientSampleId :

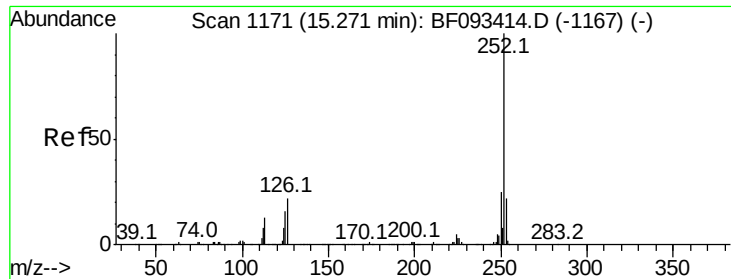
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.6	18.2	27.4
125	19.1	9.8	14.6



#88
Benzo(k)fluoranthene
Concen: 4.94 ng
RT: 14.89 min Scan# 1138
Delta R.T. -0.02 min
Lab File: BF093579.D
Acq: 11 Mar 2017 20:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.6	18.5	27.7
125	19.1	8.9	13.3





#89

Benzo(a)pyrene

Concen: 2.72 ng

RT: 15.23 min Scan# 1167

Delta R.T. -0.00 min

Lab File: BF093579.D

Acq: 11 Mar 2017 20:42

Instrument :

BNA_F

ClientSampleId :

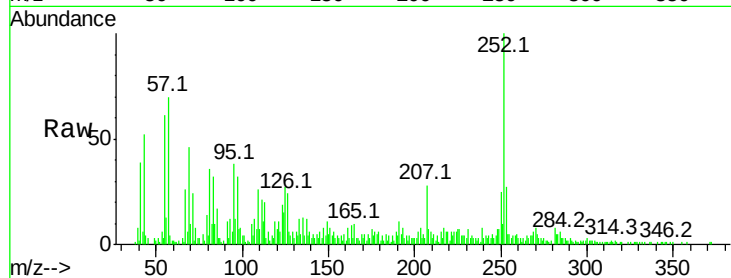
Tot Ion: 252 Resp: 49725

Ion Ratio Lower Upper

252 100

253 27.2 18.2 27.2

125 27.2 10.0 15.0



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

