

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032817\
 Data File : BF094016.D
 Acq On : 29 Mar 2017 2:06
 Operator : SJ/MA
 Sample : I2414-04 2X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 29 02:42:44 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 27 16:10:49 2017
 Response via : Initial Calibration

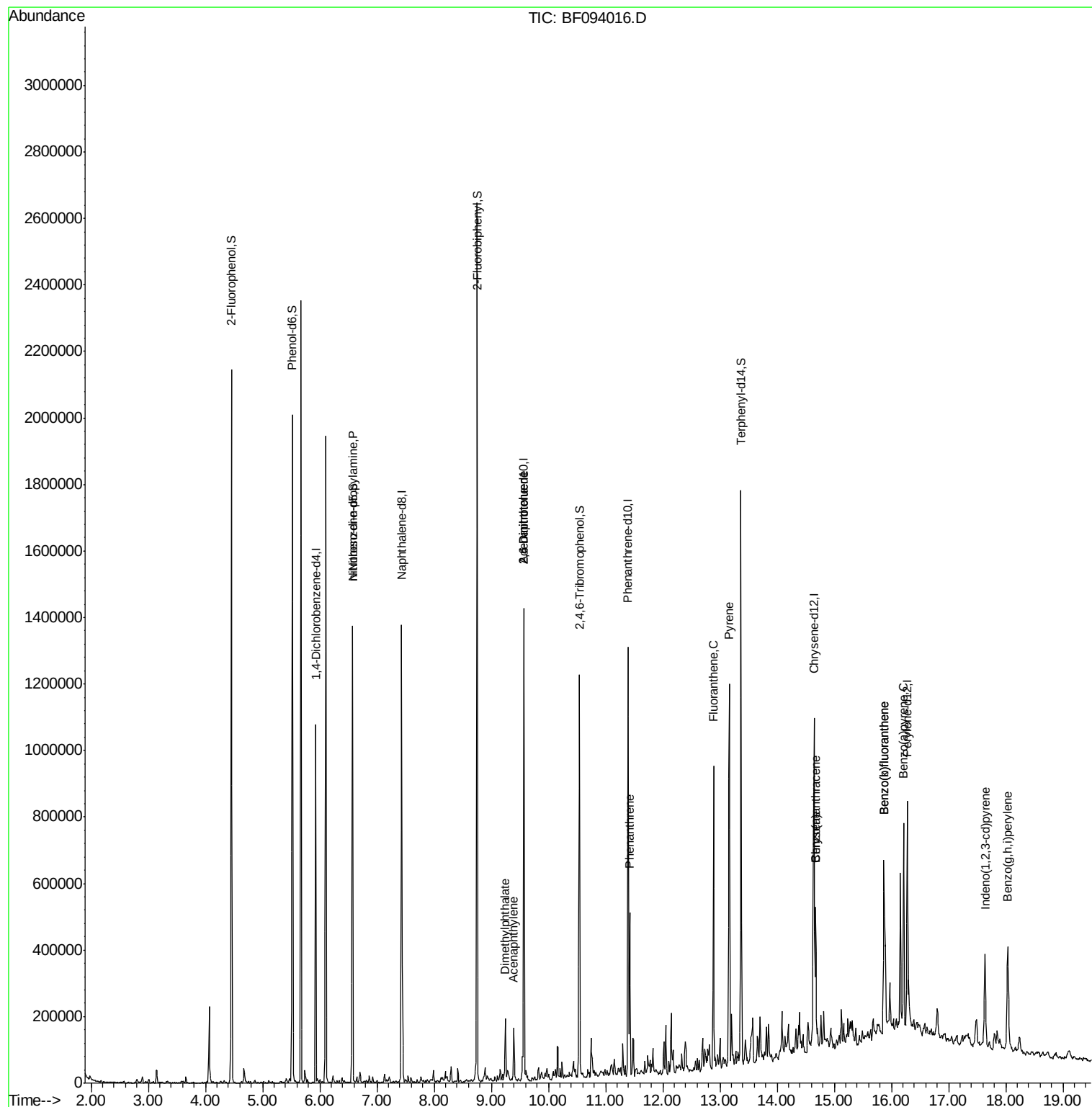
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.93	152	176195	20.00	ng	-0.02
21) Naphthalene-d8	7.43	136	715201	20.00	ng	-0.03
38) Acenaphthene-d10	9.57	164	312836	20.00	ng	-0.03
63) Phenanthrene-d10	11.39	188	507029	20.00	ng	-0.03
75) Chrysene-d12	14.64	240	329911	20.00	ng	-0.04
86) Perylene-d12	16.28	264	282414	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	4.46	112	598976	57.42	ng	-0.02
7) Phenol-d6	5.52	99	782528	60.64	ng	-0.03
23) Nitrobenzene-d5	6.57	82	506486	40.41	ng	-0.03
41) 2,4,6-Tribromophenol	10.54	330	140106	56.68	ng	-0.04
44) 2-Fluorobiphenyl	8.75	172	905392	44.14	ng	-0.03
78) Terphenyl-d14	13.37	244	597947	40.63	ng	-0.04
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	6.57	70	66958	8.07	ng	# 75
48) Acenaphthylene	9.39	152	70779	2.16	ng	96
49) Dimethylphthalate	9.25	163	77418	3.48	ng	98
50) 2,6-Dinitrotoluene	9.57	165	40668	7.98	ng	# 34
56) 2,4-Dinitrotoluene	9.57	165	40669	6.35	ng	# 34
70) Phenanthrene	11.42	178	179824	6.38	ng	98
74) Fluoranthene	12.89	202	379847	13.15	ng	99
77) Pyrene	13.16	202	496094	20.72	ng	98
80) Benzo(a)anthracene	14.67	228	182287	9.48	ng	96
82) Chrysene	14.67	228	182287	10.21	ng	98
85) Indeno(1,2,3-cd)pyrene	17.63	276	173302	11.21	ng	95
87) Benzo(b)fluoranthene	15.87	252	382212	22.08	ng	# 97
88) Benzo(k)fluoranthene	15.87	252	382212	22.57	ng	99
89) Benzo(a)pyrene	16.22	252	234436	14.71	ng	96
91) Benzo(a,h,i)perylene	18.04	276	226537	16.65	ng	99

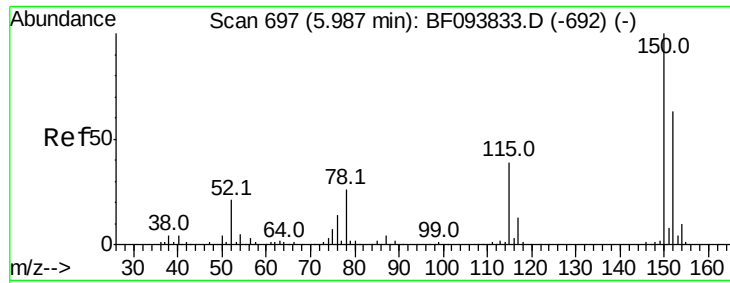
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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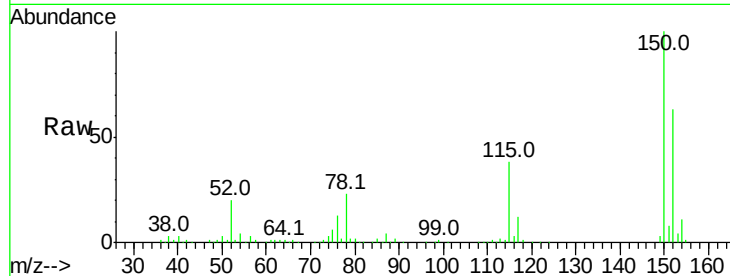


#1

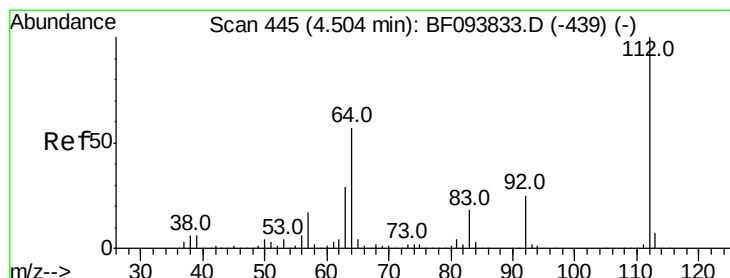
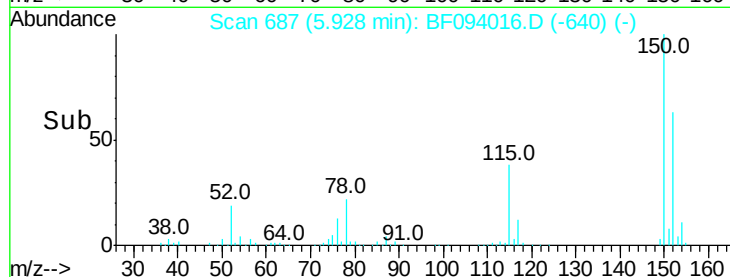
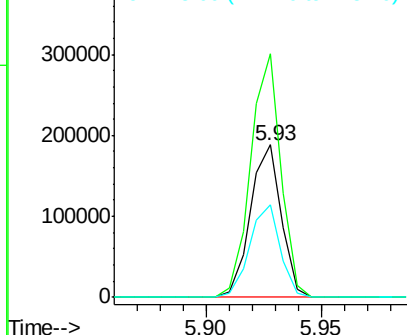
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.93 min Scan# 687
Delta R.T. -0.02 min
Lab File: BF094016.D
Acq: 29 Mar 2017 2:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 176195
Ion Ratio Lower Upper
152 100
150 159.8 126.2 189.2
115 60.9 52.2 78.2



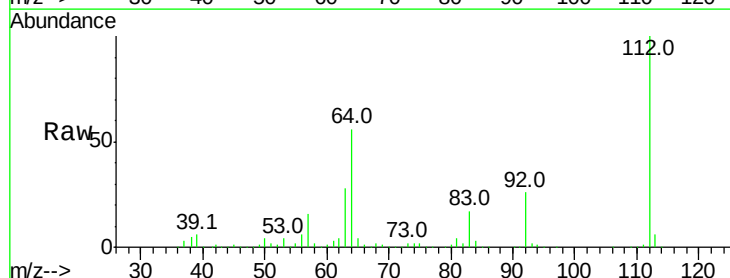
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



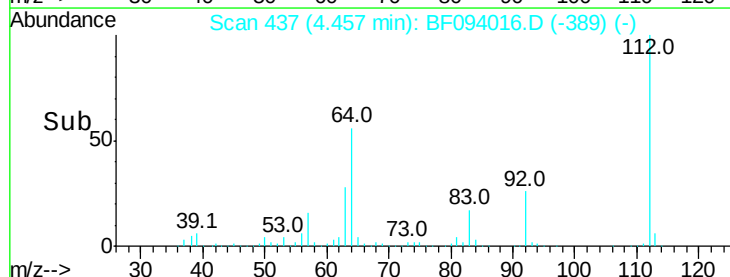
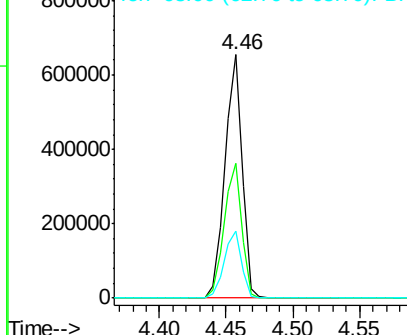
#5

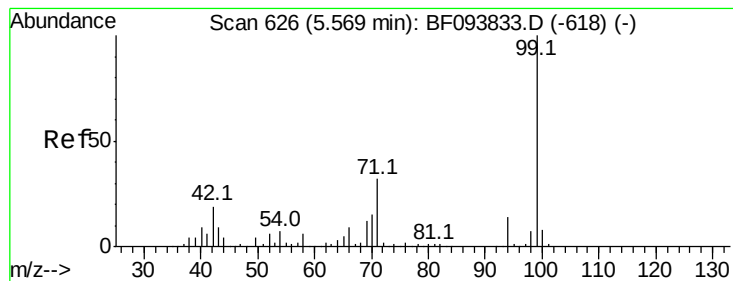
2-Fluorophenol
Concen: 57.42 ng
RT: 4.46 min Scan# 437
Delta R.T. -0.02 min
Lab File: BF094016.D
Acq: 29 Mar 2017 2:06

Tgt Ion:112 Resp: 598976
Ion Ratio Lower Upper
112 100
64 55.6 46.0 69.0
63 27.7 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: 60.64 ng

RT: 5.52 min Scan# 618

Delta R.T. -0.03 min

Lab File: BF094016.D

Acq: 29 Mar 2017 2:06

Instrument :

BNA_F

ClientSampled :

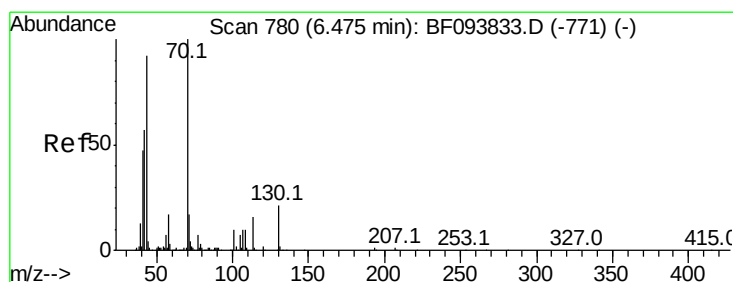
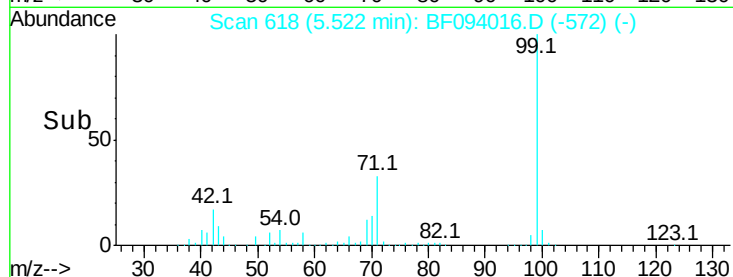
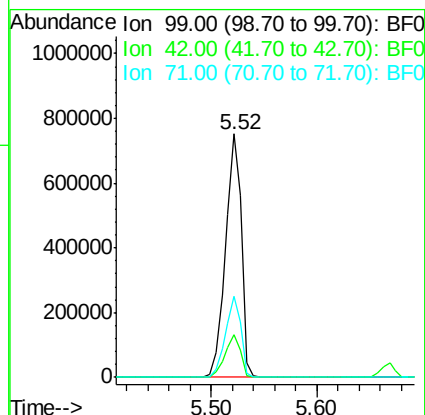
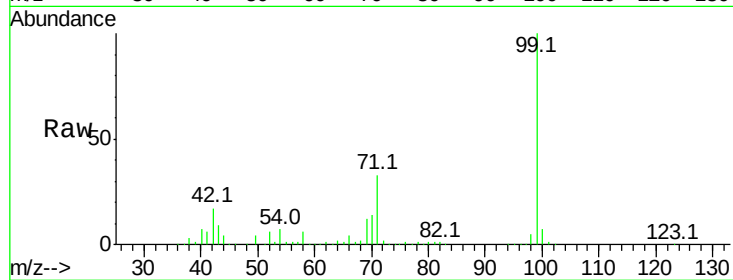
Tot Ion: 99 Resp: 782528

Ion Ratio Lower Upper

99 100

42 17.4 13.5 20.3

71 33.1 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 8.07 ng

RT: 6.57 min Scan# 797

Delta R.T. 0.14 min

Lab File: BF094016.D

Acq: 29 Mar 2017 2:06

Tgt Ion: 70 Resp: 66958

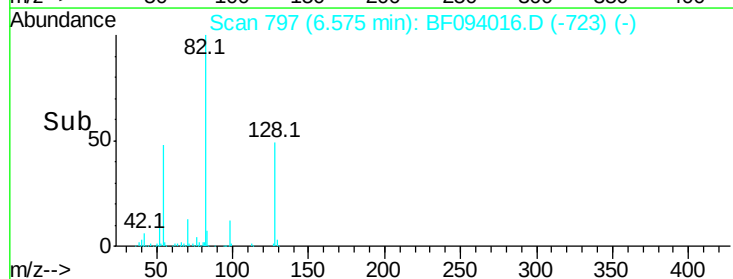
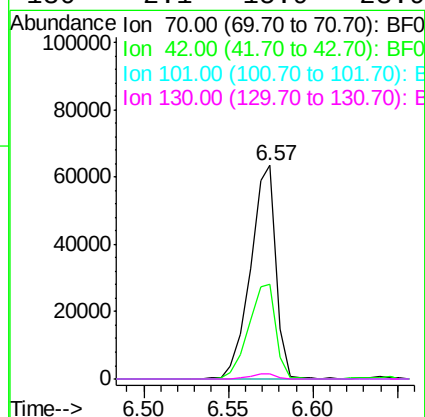
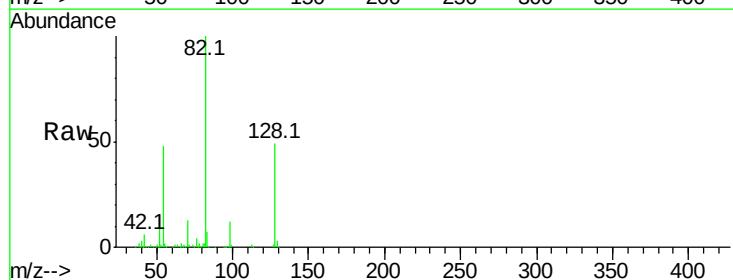
Ion Ratio Lower Upper

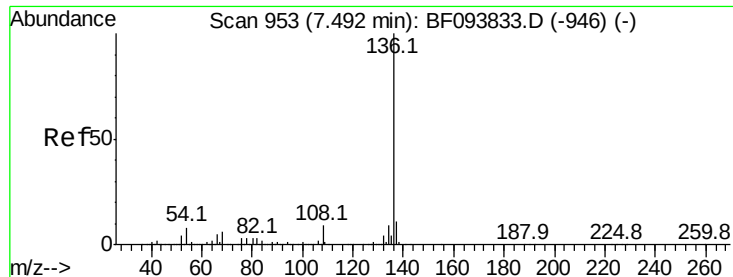
70 100

42 44.2 47.2 70.8#

101 0.0 7.2 10.8#

130 2.1 15.9 23.9#

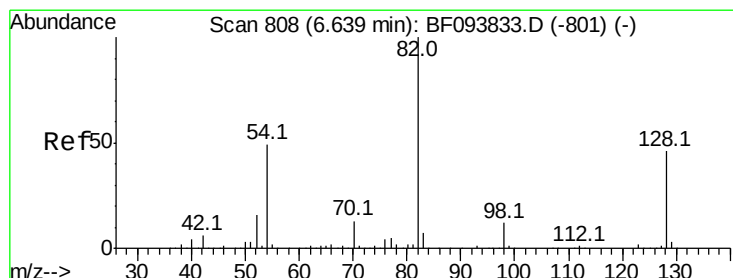
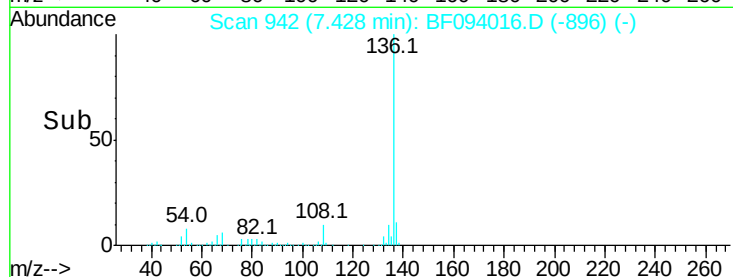
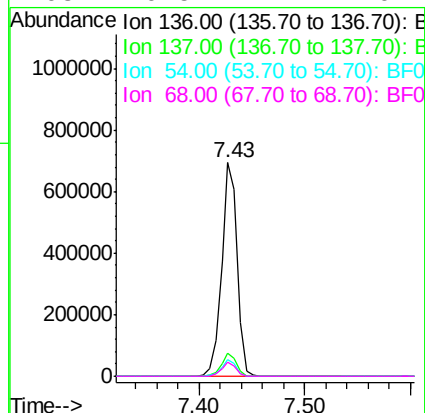
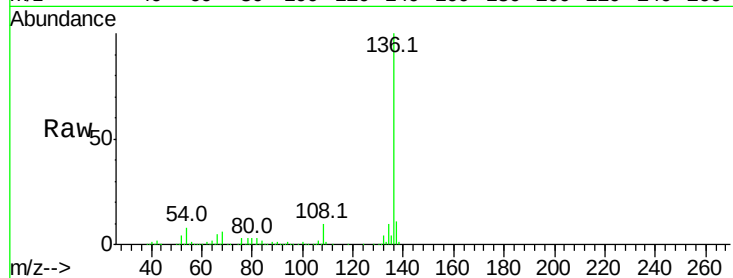




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.43 min Scan# 942
Delta R.T. -0.03 min
Lab File: BF094016.D
Acq: 29 Mar 2017 2:06

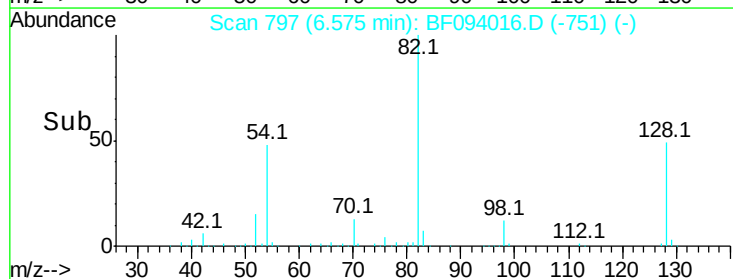
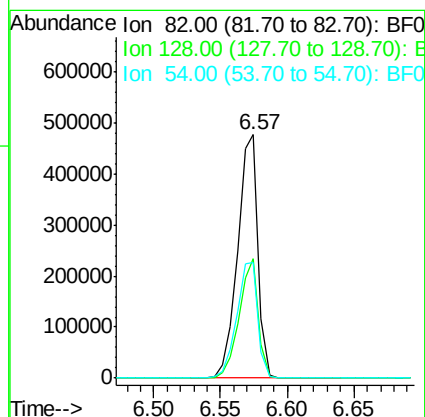
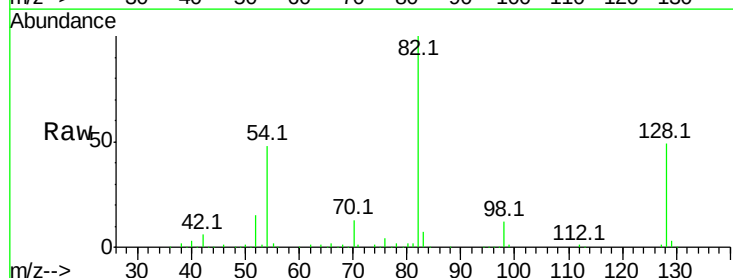
Instrument :
BNA_F
ClientSampled :

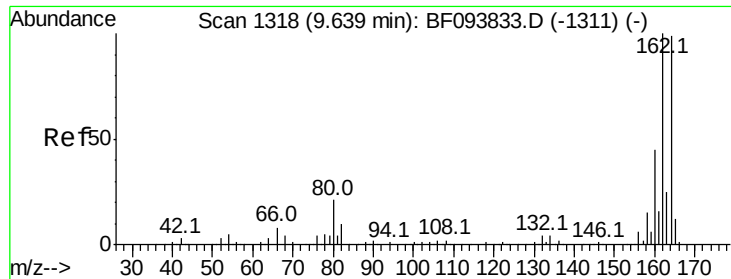
Tot Ion:	136	Resp:	715201
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	8.0	4.9	7.3#
68	6.5	4.1	6.1#



#23
Nitrobenzene-d5
Concen: 40.41 ng
RT: 6.57 min Scan# 797
Delta R.T. -0.03 min
Lab File: BF094016.D
Acq: 29 Mar 2017 2:06

Tgt Ion:	82	Resp:	506486
Ion	Ratio	Lower	Upper
82	100		
128	49.0	34.0	51.0
54	47.7	42.2	63.2





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.57 min Scan# 1306

Delta R.T. -0.03 min

Lab File: BF094016.D

Acq: 29 Mar 2017 2:06

Instrument :

BNA_F

ClientSampleId :

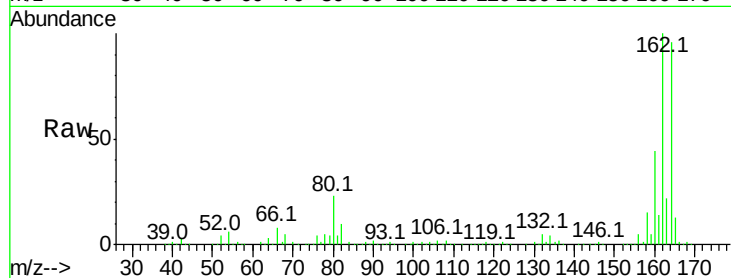
Tot Ion:164 Resp: 312836

Ion Ratio Lower Upper

164 100

162 103.7 82.6 123.8

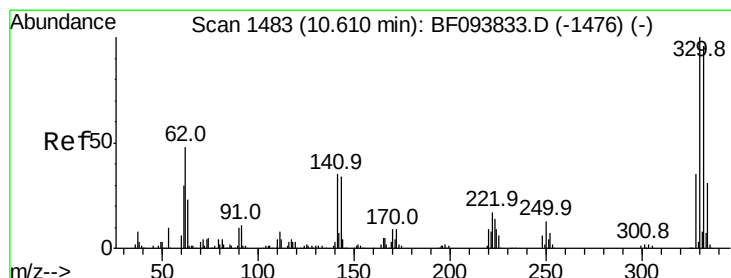
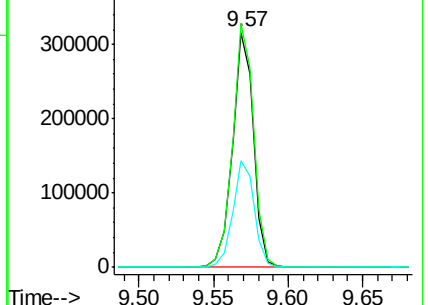
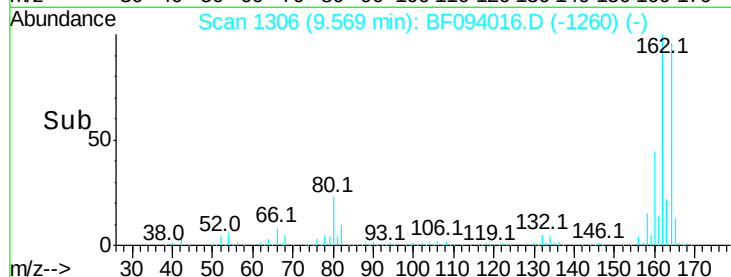
160 45.3 36.2 54.2



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: 56.68 ng

RT: 10.54 min Scan# 1471

Delta R.T. -0.04 min

Lab File: BF094016.D

Acq: 29 Mar 2017 2:06

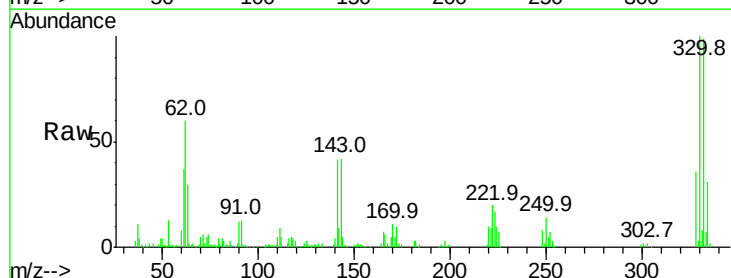
Tgt Ion:330 Resp: 140106

Ion Ratio Lower Upper

330 100

332 95.9 76.6 115.0

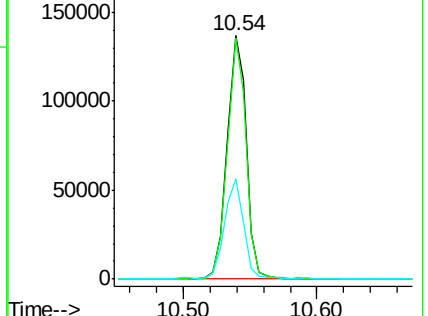
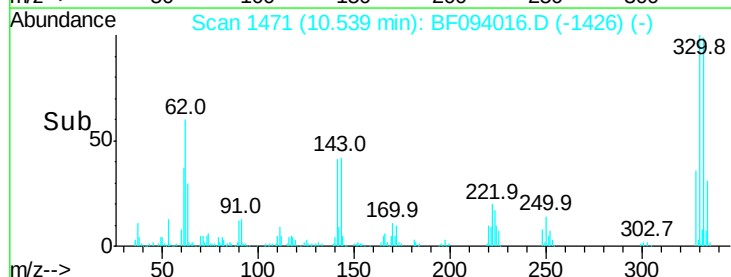
141 41.5 31.4 47.2

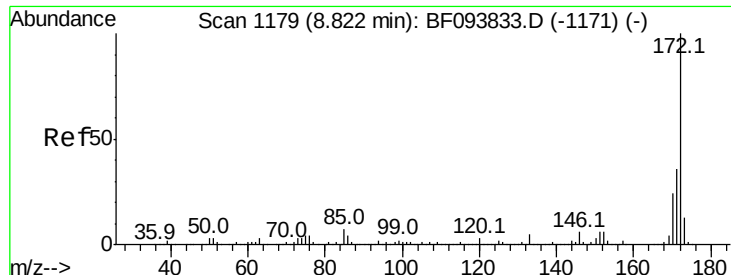


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

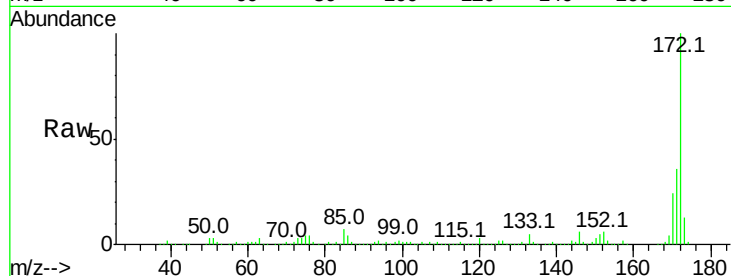




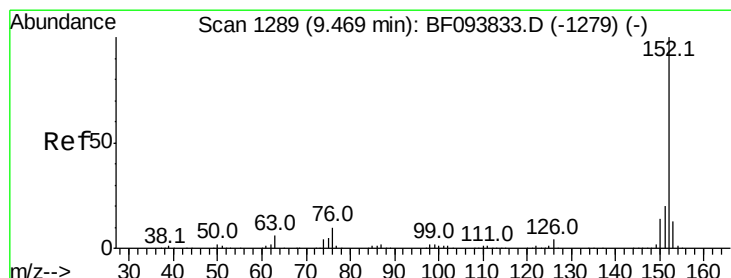
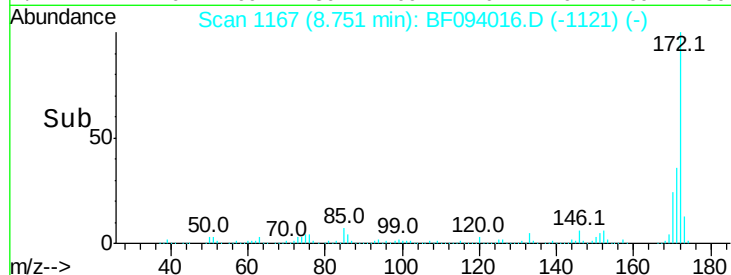
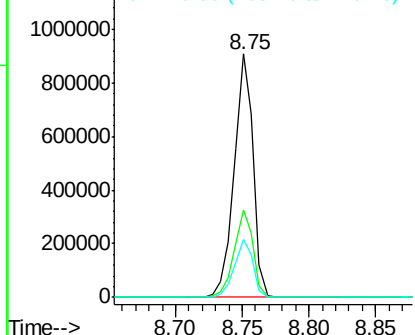
#44
2-Fluorobiphenyl
Concen: 44.14 ng
RT: 8.75 min Scan# 1167
Delta R.T. -0.03 min
Lab File: BF094016.D
Acq: 29 Mar 2017 2:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.6	44.4
170	23.7	19.8	29.8

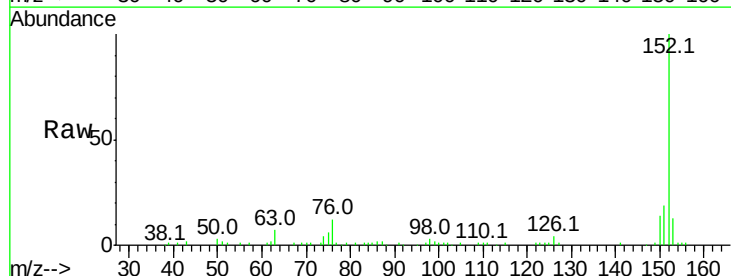


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

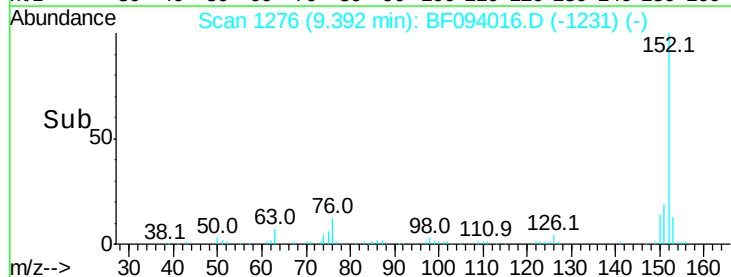
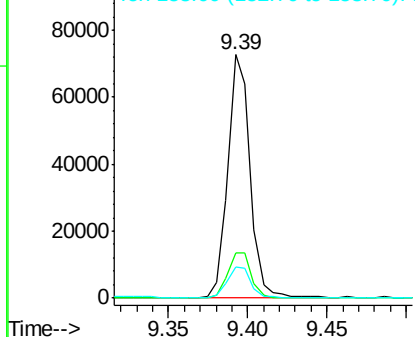


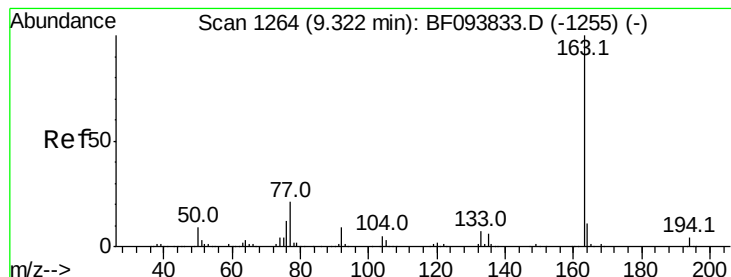
#48
Acenaphthylene
Concen: 2.16 ng
RT: 9.39 min Scan# 1276
Delta R.T. -0.04 min
Lab File: BF094016.D
Acq: 29 Mar 2017 2:06

Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.5	16.8	25.2
153	13.0	10.8	16.2



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 3.48 ng

RT: 9.25 min Scan# 1251

Delta R.T. -0.04 min

Lab File: BF094016.D

Acq: 29 Mar 2017 2:06

Instrument :

BNA_F

ClientSampleId :

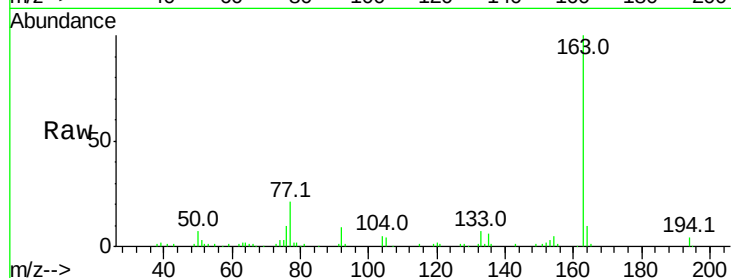
Tot Ion:163 Resp: 77418

Ion Ratio Lower Upper

163 100

194 3.5 2.6 4.0

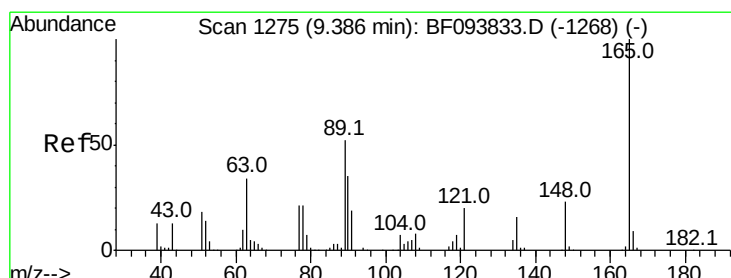
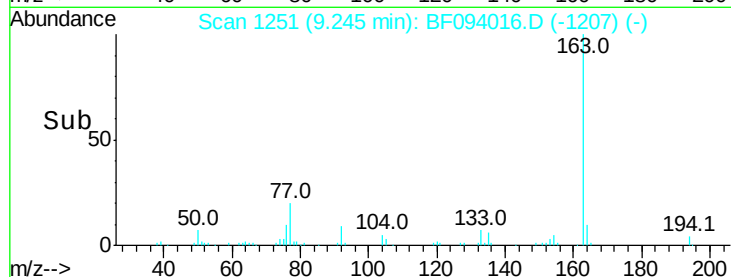
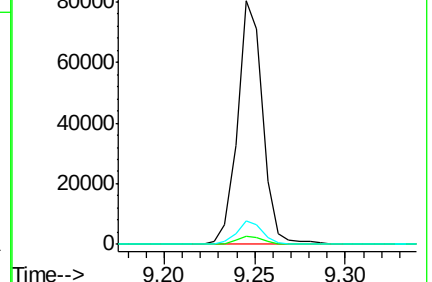
164 9.8 8.4 12.6



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: 7.98 ng

RT: 9.57 min Scan# 1306

Delta R.T. 0.22 min

Lab File: BF094016.D

Acq: 29 Mar 2017 2:06

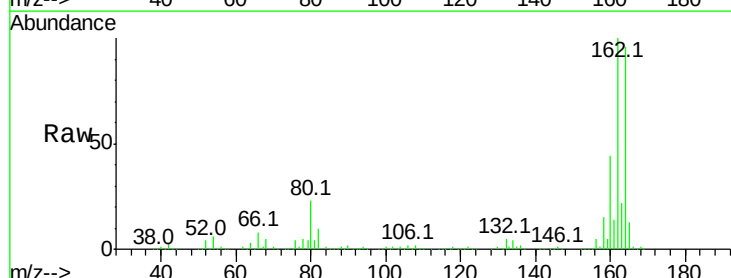
Tgt Ion:165 Resp: 40668

Ion Ratio Lower Upper

165 100

63 1.7 34.3 51.5#

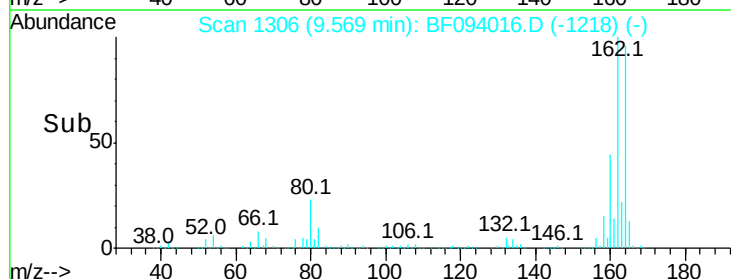
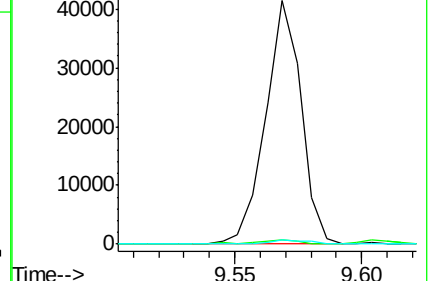
89 1.9 37.1 55.7#

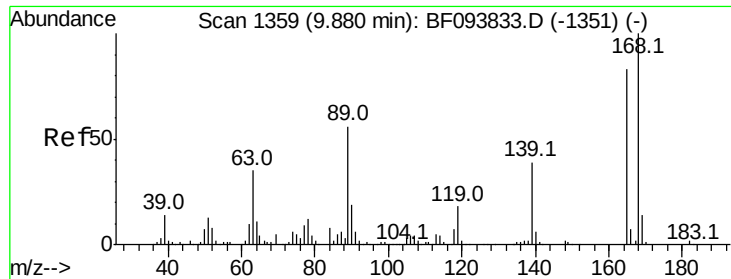


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

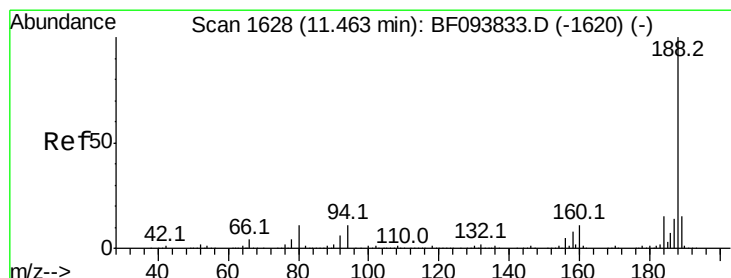
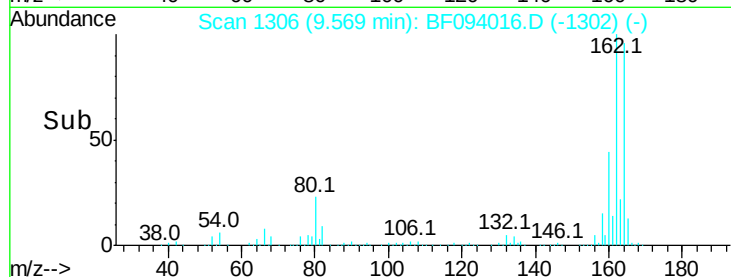
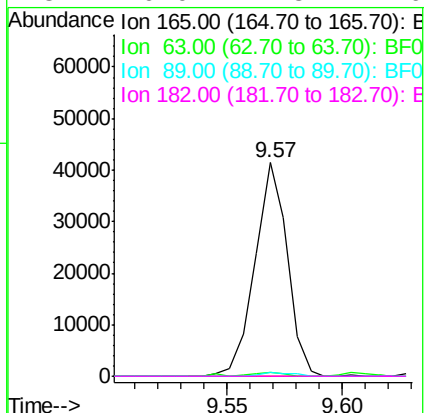
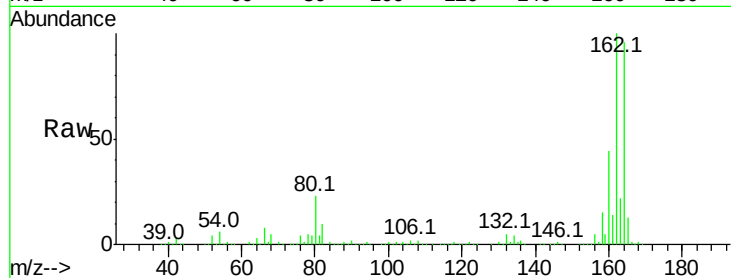




#56
 2,4-Dinitrotoluene
 Concen: 6.35 ng
 RT: 9.57 min Scan# 1306
 Delta R.T. -0.28 min
 Lab File: BF094016.D
 Acq: 29 Mar 2017 2:06

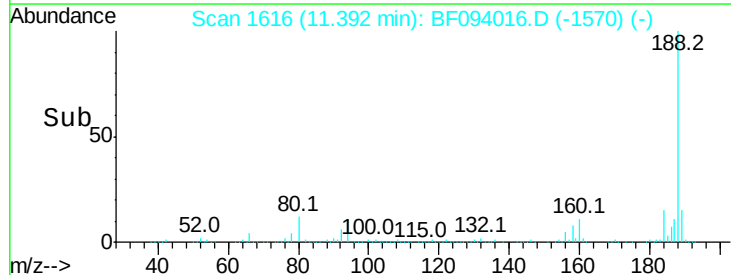
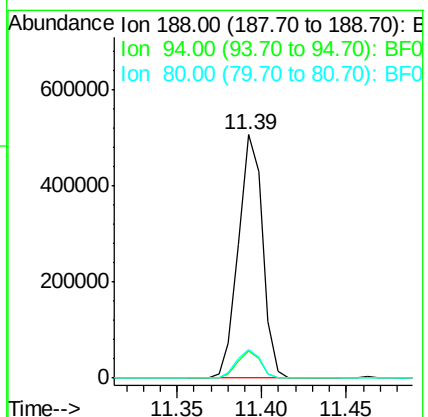
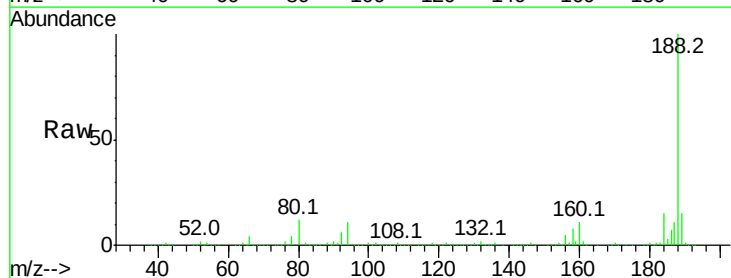
Instrument :
 BNA_F
 ClientSampleId :

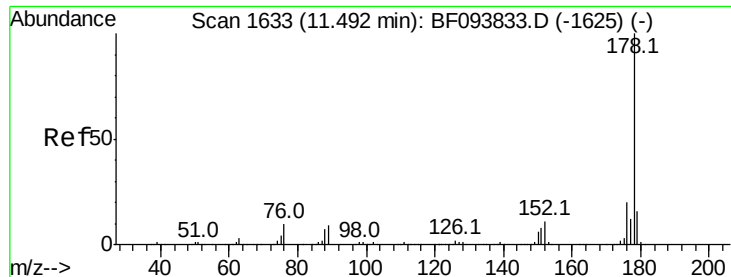
Tot Ion:165 Resp: 40669
 Ion Ratio Lower Upper
 165 100
 63 1.7 25.4 38.0#
 89 1.9 46.4 69.6#
 182 0.0 1.8 2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.39 min Scan# 1616
 Delta R.T. -0.03 min
 Lab File: BF094016.D
 Acq: 29 Mar 2017 2:06

Tgt Ion:188 Resp: 507029
 Ion Ratio Lower Upper
 188 100
 94 11.2 9.4 14.2
 80 11.8 10.2 15.2





#70

Phenanthrene

Concen: 6.38 ng

RT: 11.42 min Scan# 1621

Delta R.T. -0.04 min

Lab File: BF094016.D

Acq: 29 Mar 2017 2:06

Instrument :

BNA_F

ClientSampleId :

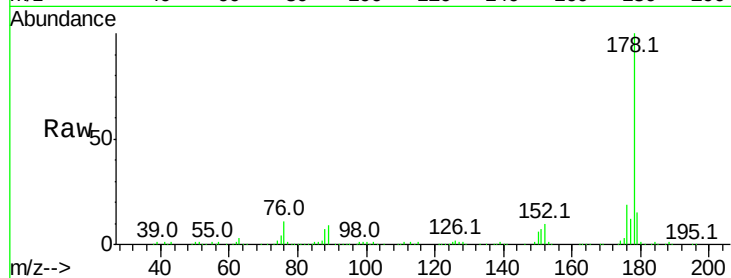
Tot Ion:178 Resp: 179824

Ion Ratio Lower Upper

178 100

176 19.2 16.2 24.4

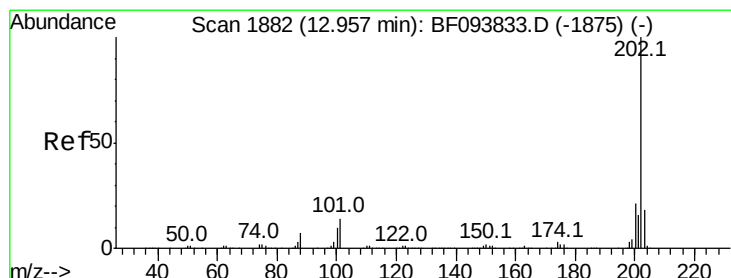
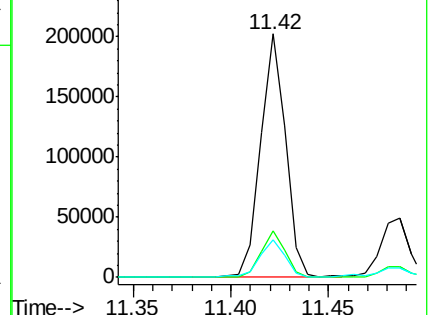
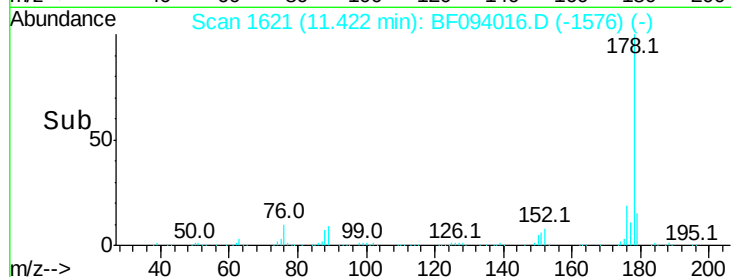
179 15.2 12.6 19.0



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: 13.15 ng

RT: 12.89 min Scan# 1870

Delta R.T. -0.04 min

Lab File: BF094016.D

Acq: 29 Mar 2017 2:06

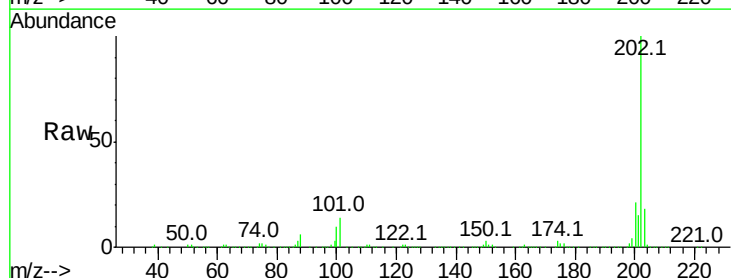
Tgt Ion:202 Resp: 379847

Ion Ratio Lower Upper

202 100

101 13.7 0.0 33.2

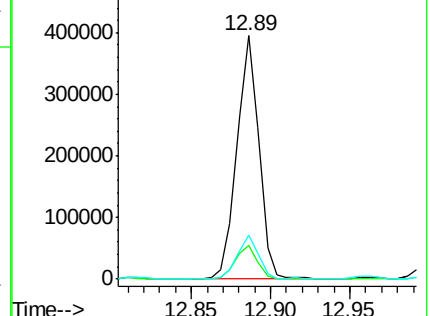
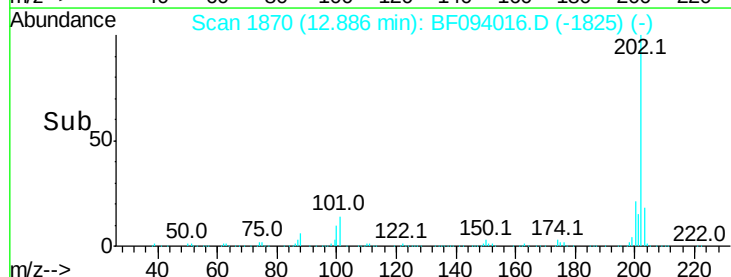
203 17.9 0.0 38.1

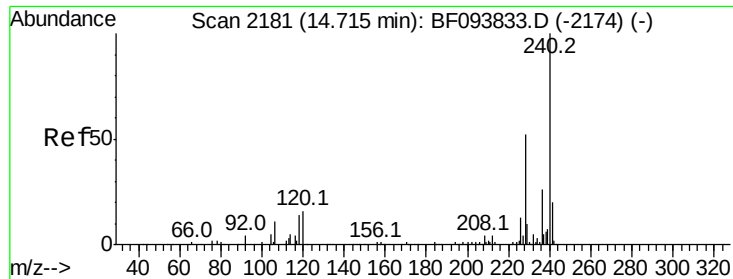


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

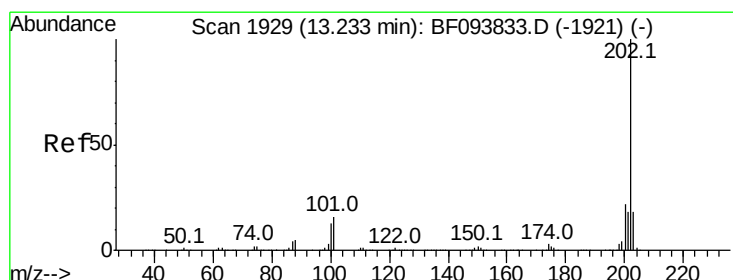
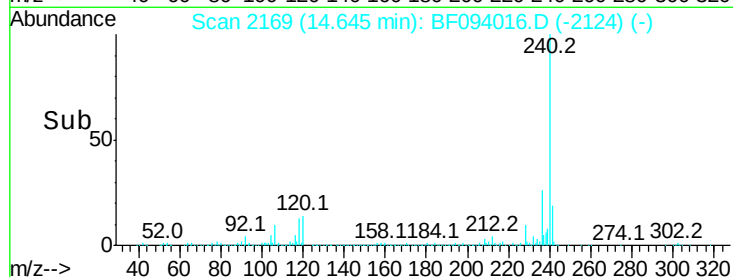
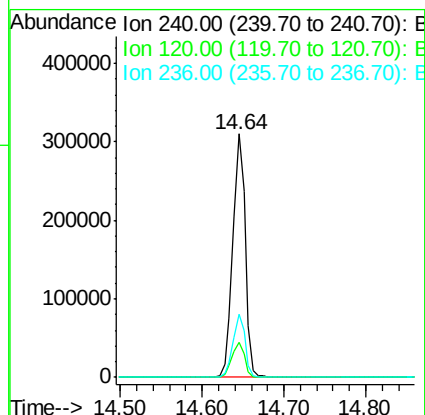
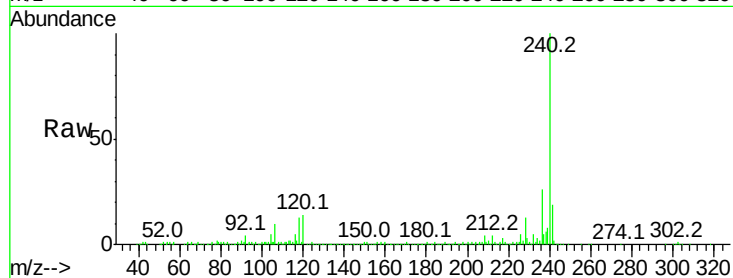




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.64 min Scan# 2169
 Delta R.T. -0.04 min
 Lab File: BF094016.D
 Acq: 29 Mar 2017 2:06

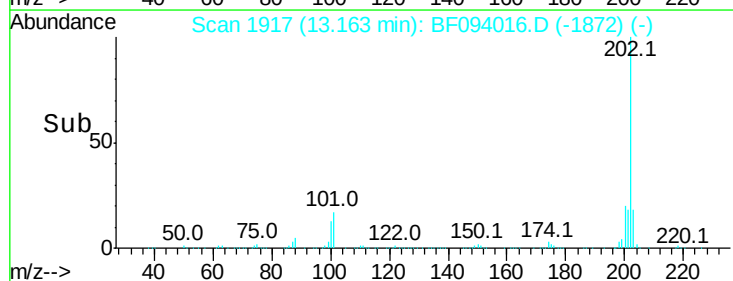
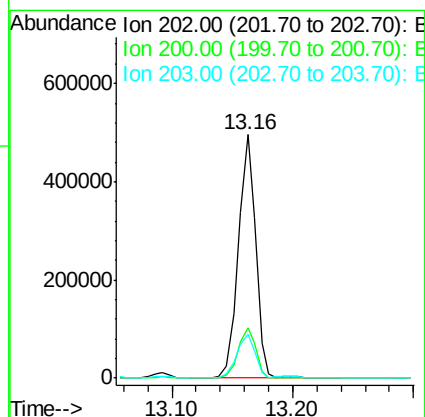
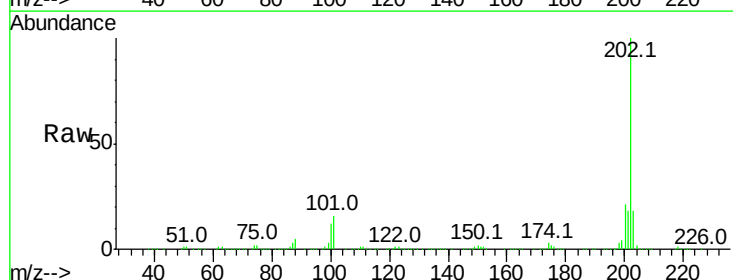
Instrument :
 BNA_F
 ClientSampleId :

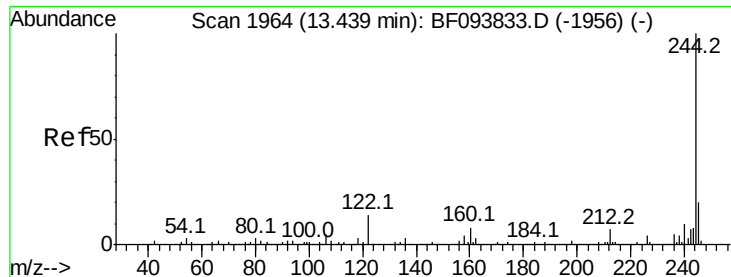
Tot Ion:240 Resp: 329911
 Ion Ratio Lower Upper
 240 100
 120 14.4 5.8 8.8#
 236 25.7 20.5 30.7



#77
 Pyrene
 Concen: 20.72 ng
 RT: 13.16 min Scan# 1917
 Delta R.T. -0.04 min
 Lab File: BF094016.D
 Acq: 29 Mar 2017 2:06

Tgt Ion:202 Resp: 496094
 Ion Ratio Lower Upper
 202 100
 200 20.6 17.6 26.4
 203 18.0 14.4 21.6





#78

Terphenyl-d14

Concen: 40.63 ng

RT: 13.37 min Scan# 1952

Delta R.T. -0.04 min

Lab File: BF094016.D

Acq: 29 Mar 2017 2:06

Instrument :

BNA_F

ClientSampleId :

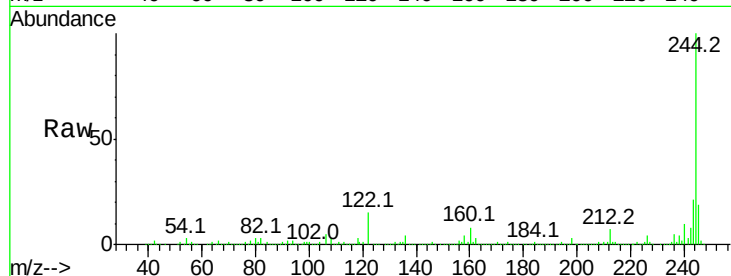
Tot Ion:244 Resp: 597947

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

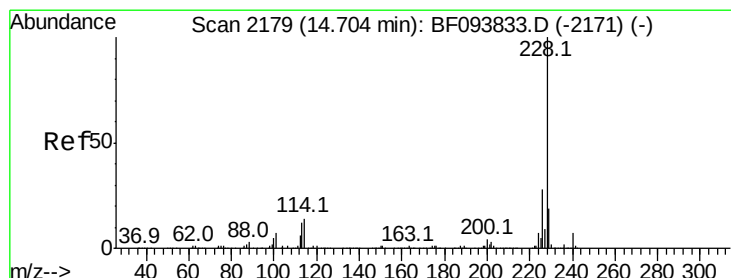
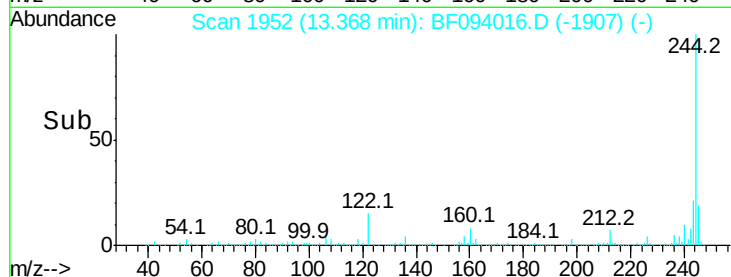
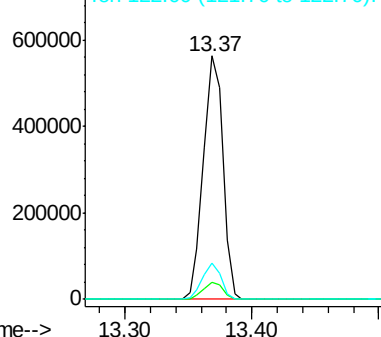
122 14.7 10.3 15.5



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: 9.48 ng

RT: 14.67 min Scan# 2174

Delta R.T. 0.01 min

Lab File: BF094016.D

Acq: 29 Mar 2017 2:06

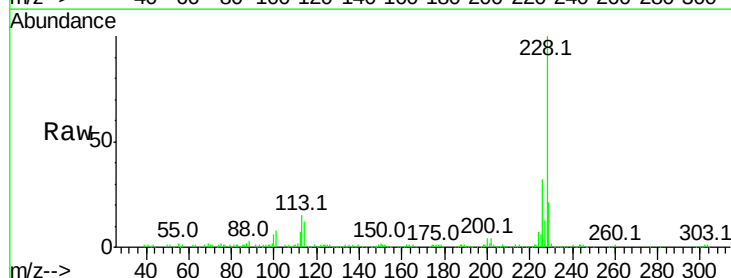
Tgt Ion:228 Resp: 182287

Ion Ratio Lower Upper

228 100

226 31.7 22.6 33.8

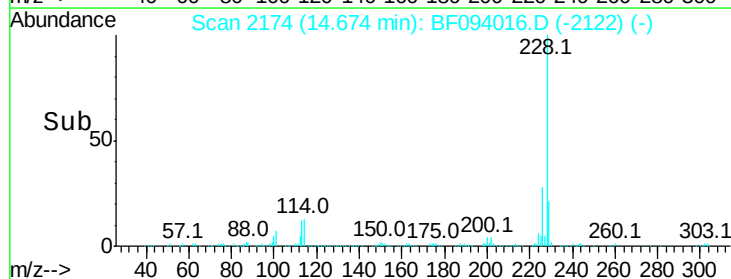
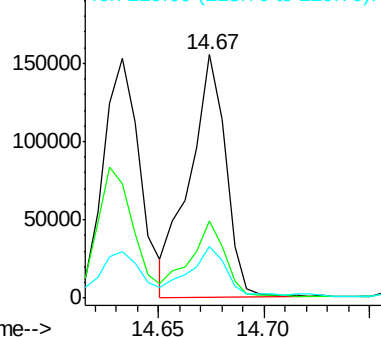
229 21.0 16.3 24.5

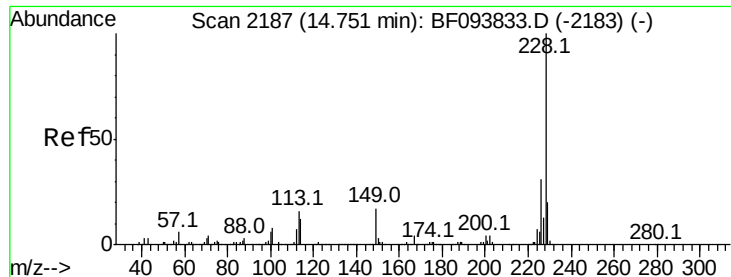


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 10.21 ng

RT: 14.67 min Scan# 2174

Delta R.T. -0.04 min

Lab File: BF094016.D

Acq: 29 Mar 2017 2:06

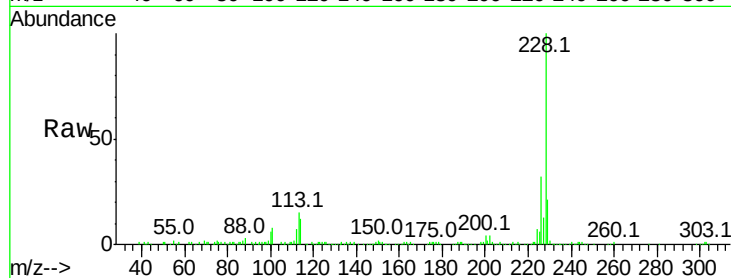
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 182287

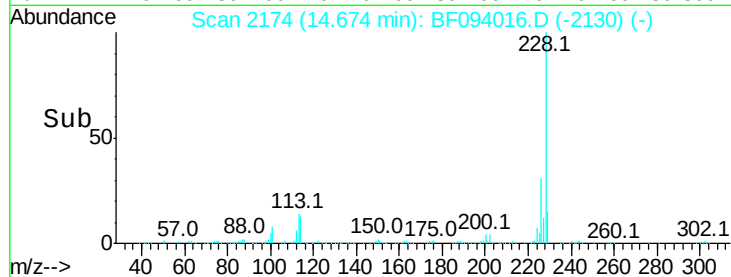
Ion	Ratio	Lower	Upper
228	100		
226	31.7	24.9	37.3
229	21.0	15.8	23.6



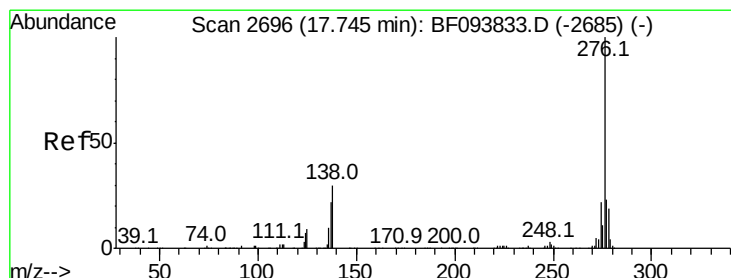
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#85

Indeno(1,2,3-cd)pyrene

Concen: 11.21 ng

RT: 17.63 min Scan# 2677

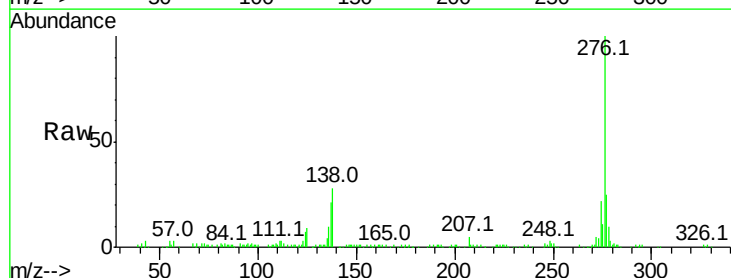
Delta R.T. -0.05 min

Lab File: BF094016.D

Acq: 29 Mar 2017 2:06

Tgt Ion:276 Resp: 173302

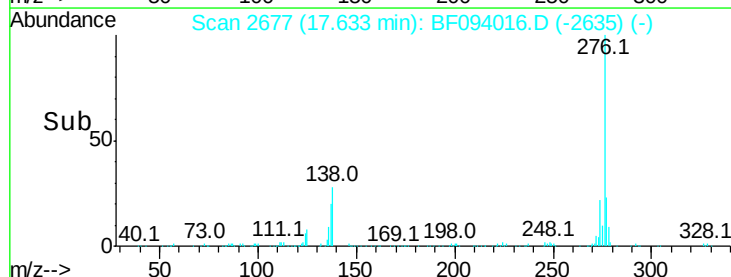
Ion	Ratio	Lower	Upper
276	100		
138	30.6	27.8	41.6
277	24.8	20.2	30.4



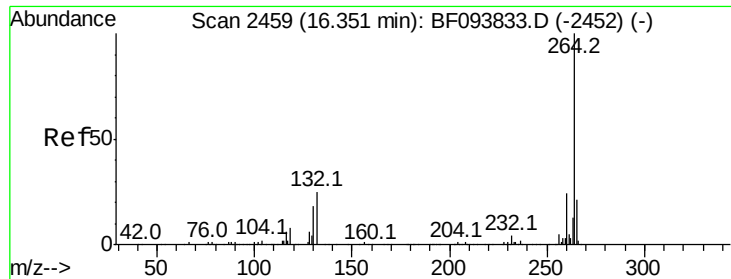
Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



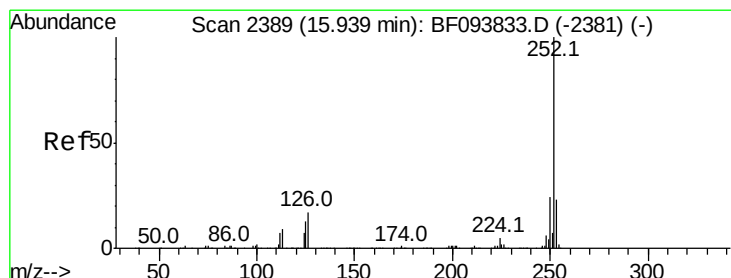
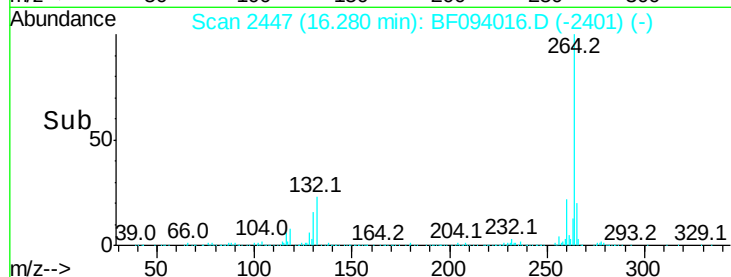
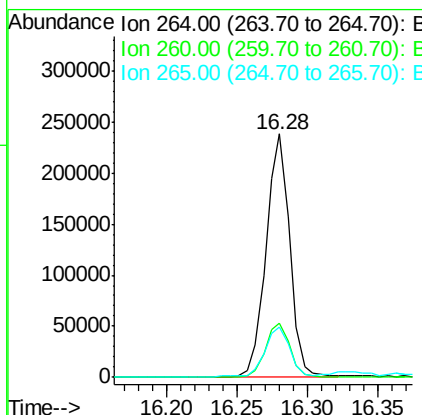
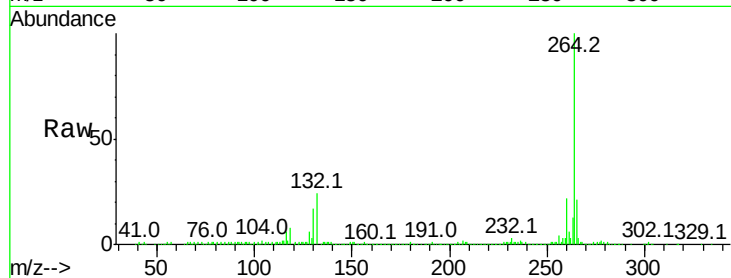
Time-->



#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.28 min Scan# 2447
Delta R.T. -0.03 min
Lab File: BF094016.D
Acq: 29 Mar 2017 2:06

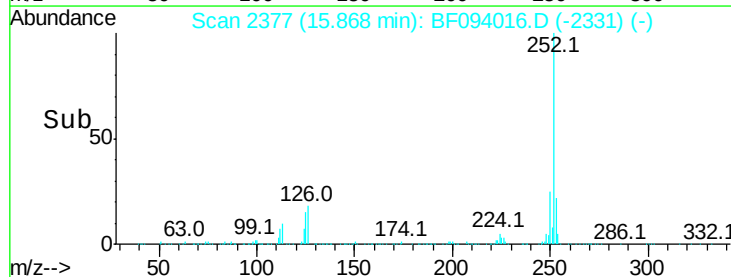
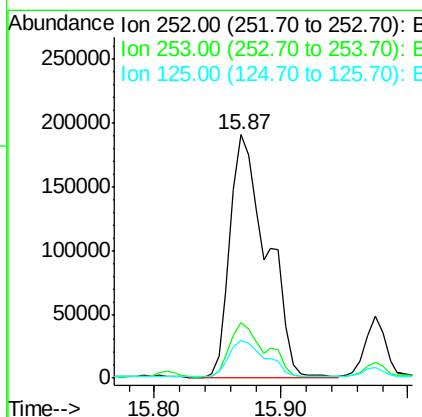
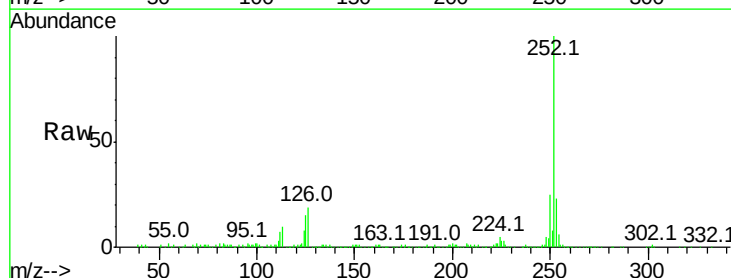
Instrument :
BNA_F
ClientSampleId :

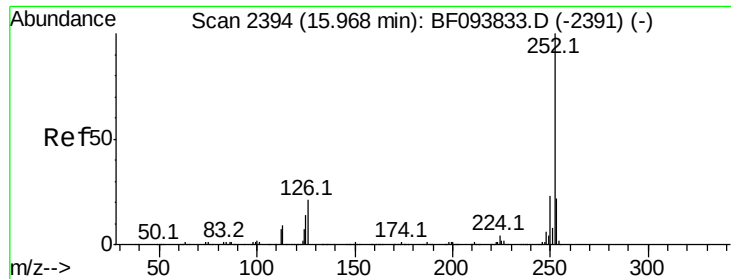
Tot Ion	Ratio	Lower	Upper
264	100		
260	22.5	19.5	29.3
265	20.6	17.2	25.8



#87
Benzo(b)fluoranthene
Concen: 22.08 ng
RT: 15.87 min Scan# 2377
Delta R.T. -0.03 min
Lab File: BF094016.D
Acq: 29 Mar 2017 2:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	15.4	9.8	14.8#

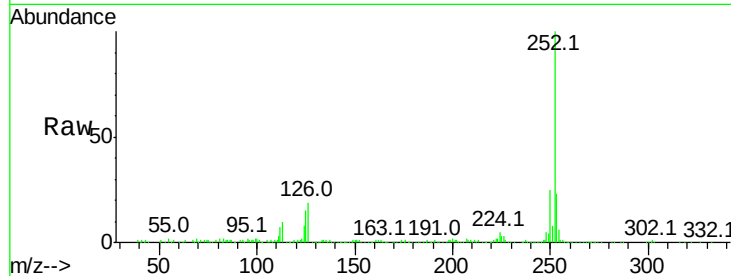




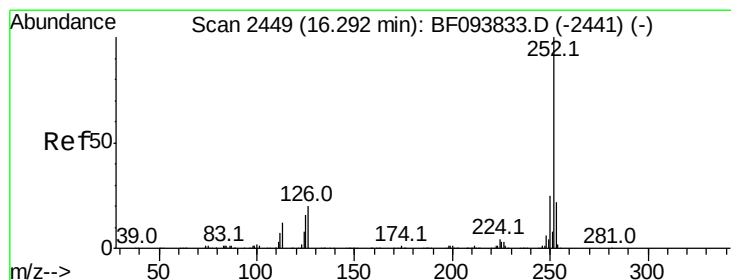
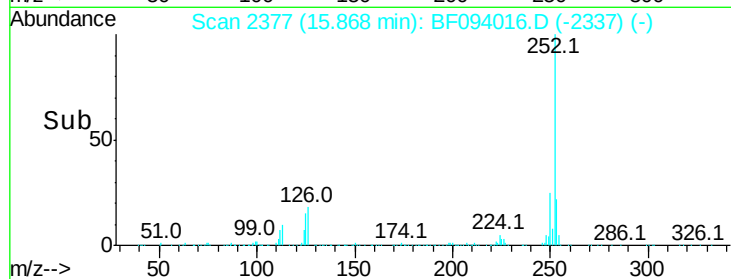
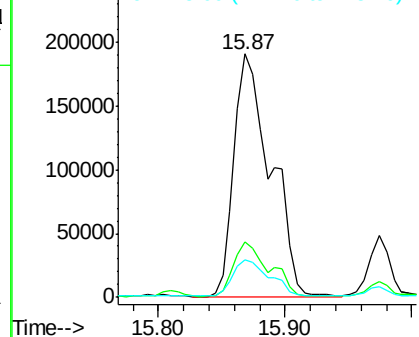
#88
Benzo(k)fluoranthene
Concen: 22.57 ng
RT: 15.87 min Scan# 2377
Delta R.T. -0.06 min
Lab File: BF094016.D
Acq: 29 Mar 2017 2:06

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.4	27.6
125	15.4	13.1	19.7

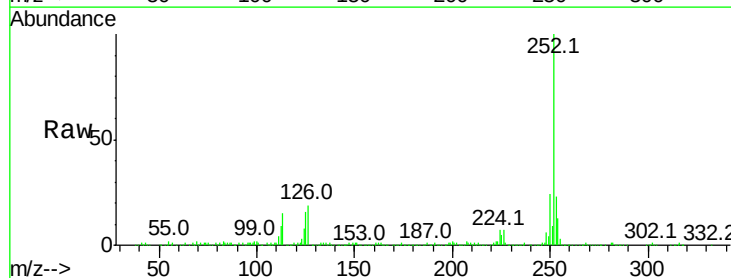


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

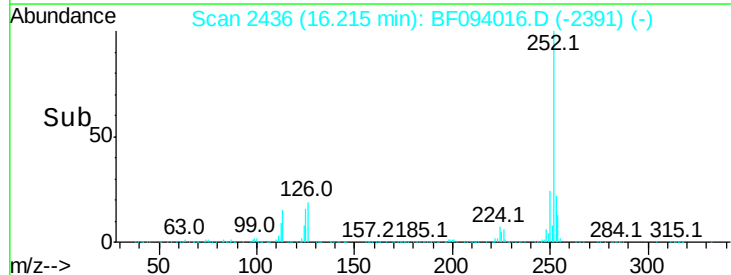
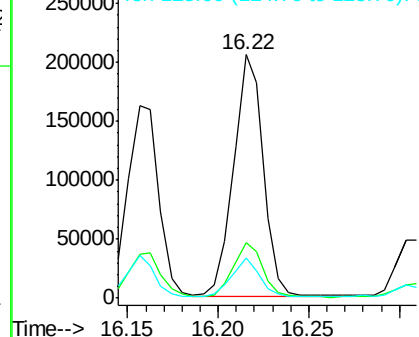


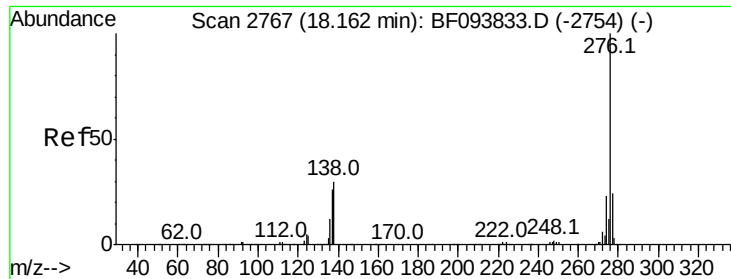
#89
Benzo(a)pyrene
Concen: 14.71 ng
RT: 16.22 min Scan# 2436
Delta R.T. -0.04 min
Lab File: BF094016.D
Acq: 29 Mar 2017 2:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.5	26.3
125	16.3	11.0	16.4



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





#91

Benzo(a,h,i)perylene

Concen: 16.65 ng

RT: 18.04 min Scan# 2746

Delta R.T. -0.06 min

Lab File: BF094016.D

Acq: 29 Mar 2017 2:06

Instrument :

BNA_F

ClientSampleId :

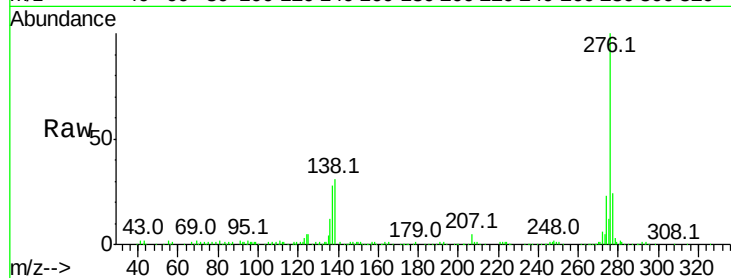
Tot Ion: 276 Resp: 226537

Ion Ratio Lower Upper

276 100

277 23.9 18.6 28.0

138 31.0 25.4 38.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

