

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\
 Data File : BF094139.D
 Acq On : 3 Apr 2017 23:39
 Operator : SJ/MA
 Sample : I2493-14 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SP10-COMP

Quant Time: Apr 04 01:08:25 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 31 14:38:29 2017
 Response via : Initial Calibration

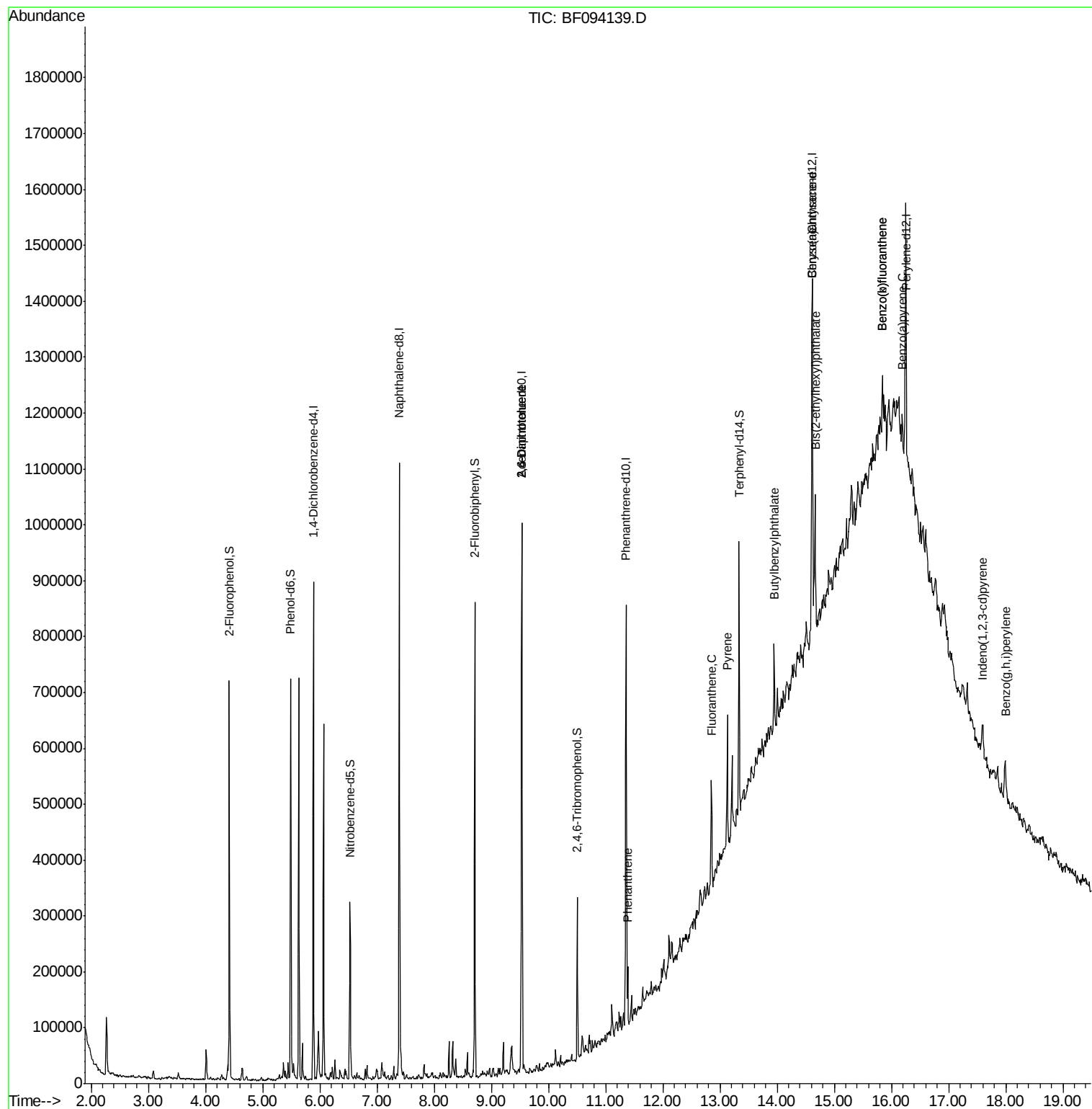
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.89	152	135182	20.00	ng	-0.02
21) Naphthalene-d8	7.39	136	511107	20.00	ng	-0.02
38) Acenaphthene-d10	9.53	164	198551	20.00	ng	-0.02
63) Phenanthrene-d10	11.36	188	286677	20.00	ng	-0.02
75) Chrysene-d12	14.62	240	251582	20.00	ng	-0.01
86) Perylene-d12	16.25	264	185028	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.42	112	197605	24.69	ng	-0.02
7) Phenol-d6	5.49	99	242715	24.51	ng	-0.02
23) Nitrobenzene-d5	6.53	82	98402	10.99	ng	-0.03
41) 2,4,6-Tribromophenol	10.50	330	30679	19.55	ng	-0.02
44) 2-Fluorobiphenyl	8.71	172	274086	21.06	ng	-0.02
78) Terphenyl-d14	13.33	244	161079	14.35	ng	-0.02
Target Compounds						Qvalue
50) 2,6-Dinitrotoluene	9.53	165	26088	8.06	ng	# 34
56) 2,4-Dinitrotoluene	9.53	165	26088	6.42	ng	# 33
70) Phenanthrene	11.39	178	38662	2.42	ng	97
74) Fluoranthene	12.85	202	83071	5.09	ng	99
77) Pyrene	13.13	202	86617	4.74	ng	98
79) Butylbenzylphthalate	13.95	149	45717	5.88	ng	# 83
80) Benzo(a)anthracene	14.60	228	46210	3.15	ng	94
82) Chrysene	14.60	228	46210	3.39	ng	96
83) Bis(2-ethylhexyl)phthalate	14.67	149	84245	7.94	ng	# 98
85) Indeno(1,2,3-cd)pyrene	17.60	276	34264	2.91	ng	95
87) Benzo(b)fluoranthene	15.84	252	85041	7.50	ng	# 76
88) Benzo(k)fluoranthene	15.84	252	85041	7.66	ng	# 80
89) Benzo(a)pyrene	16.19	252	41608	3.98	ng	# 67
91) Benzo(a,h,i)perylene	17.99	276	44801	5.03	ng	97

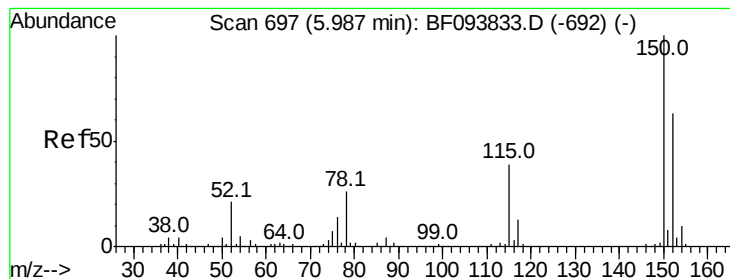
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.89 min Scan# 680

Delta R.T. -0.02 min

Lab File: BF094139.D

Acq: 3 Apr 2017 23:39

Instrument :

BNA_F

ClientSampleId :

LSS-SP10-COMP

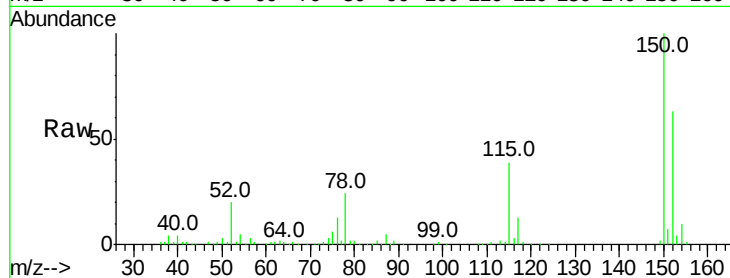
Tot Ion:152 Resp: 135182

Ion Ratio Lower Upper

152 100

150 158.7 126.2 189.2

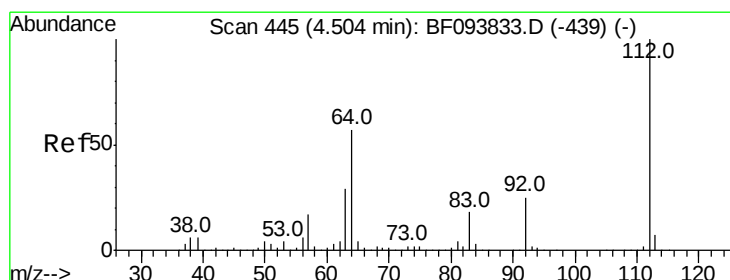
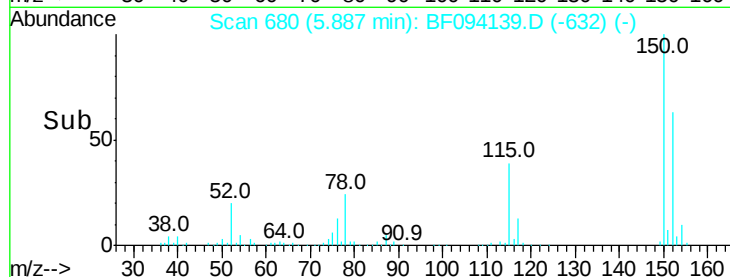
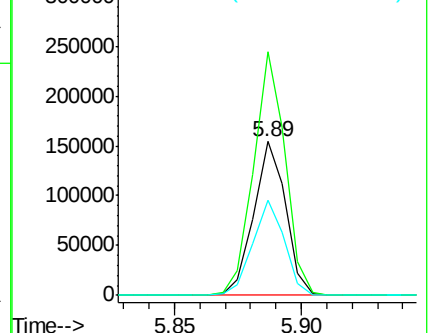
115 61.7 52.2 78.2



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: 24.69 ng

RT: 4.42 min Scan# 430

Delta R.T. -0.02 min

Lab File: BF094139.D

Acq: 3 Apr 2017 23:39

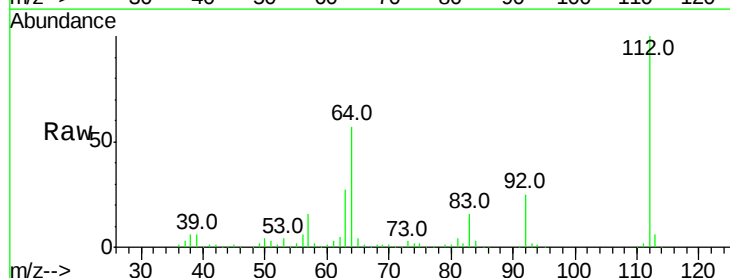
Tgt Ion:112 Resp: 197605

Ion Ratio Lower Upper

112 100

64 56.8 46.0 69.0

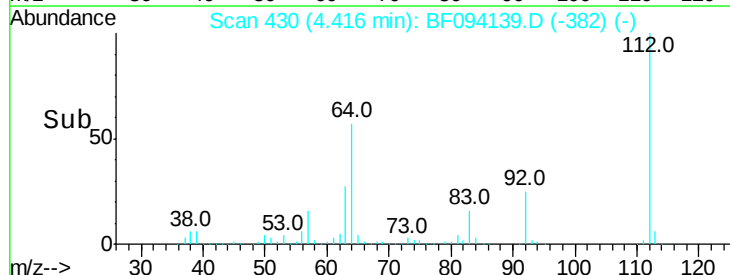
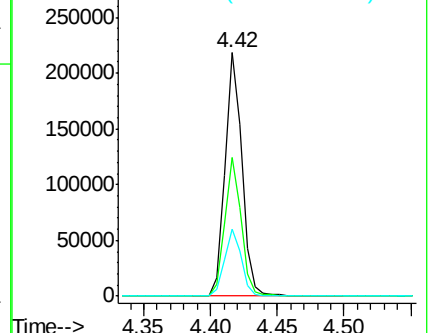
63 27.5 23.4 35.0

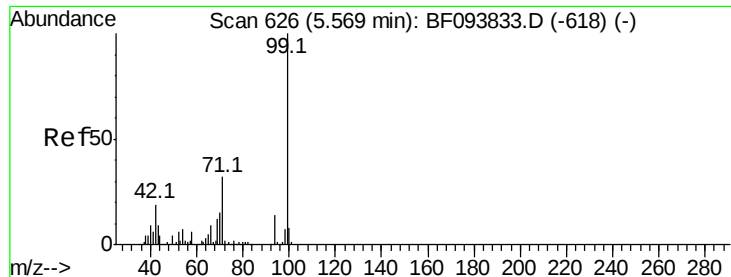


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 24.51 ng

RT: 5.49 min Scan# 613

Delta R.T. -0.02 min

Lab File: BF094139.D

Acq: 3 Apr 2017 23:39

Instrument :

BNA_F

ClientSampleId :

LSS-SP10-COMP

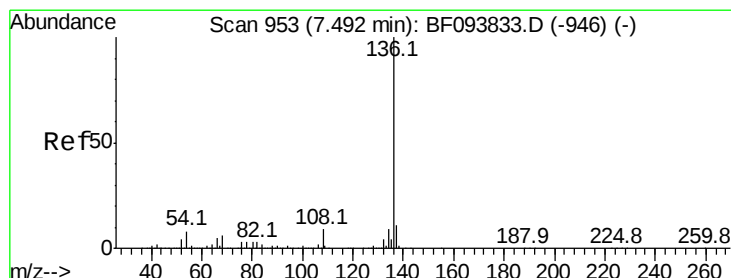
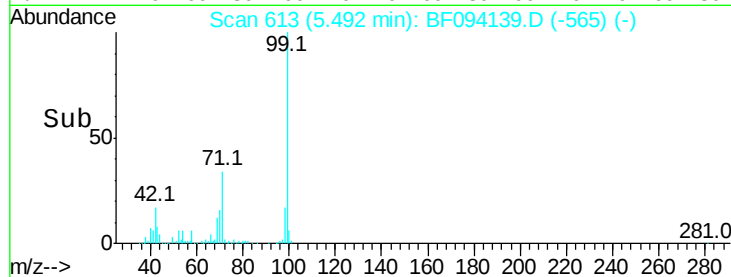
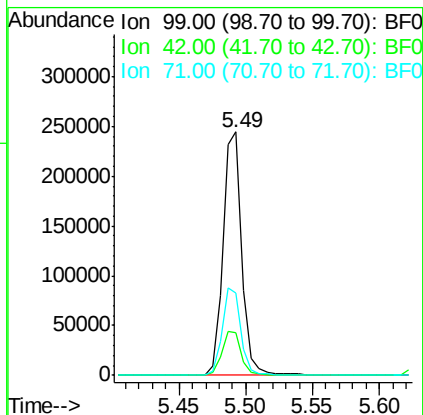
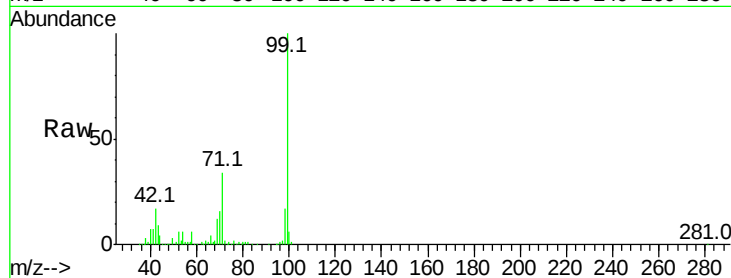
Tot Ion: 99 Resp: 242715

Ion Ratio Lower Upper

99 100

42 17.3 13.5 20.3

71 33.9 24.5 36.7



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.39 min Scan# 936

Delta R.T. -0.02 min

Lab File: BF094139.D

Acq: 3 Apr 2017 23:39

Tgt Ion: 136 Resp: 511107

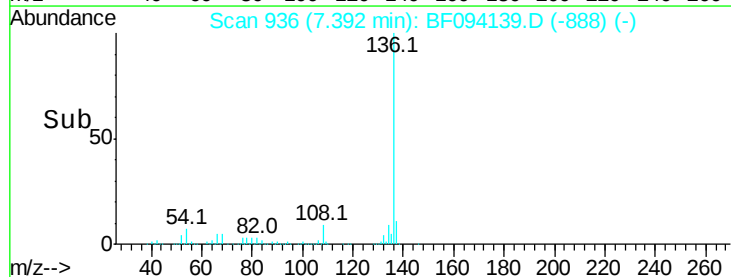
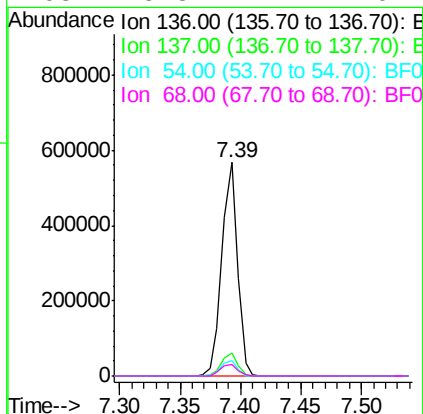
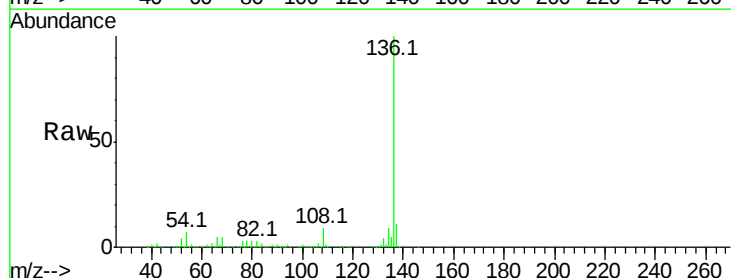
Ion Ratio Lower Upper

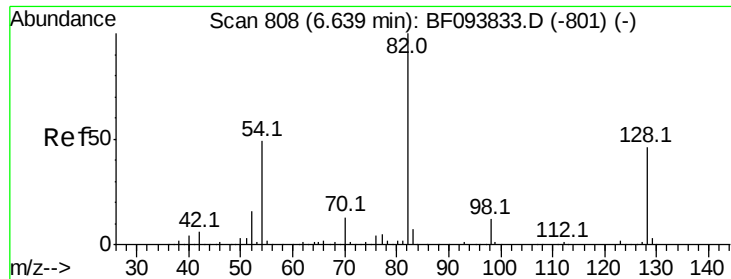
136 100

137 10.9 8.5 12.7

54 7.0 4.9 7.3

68 5.3 4.1 6.1

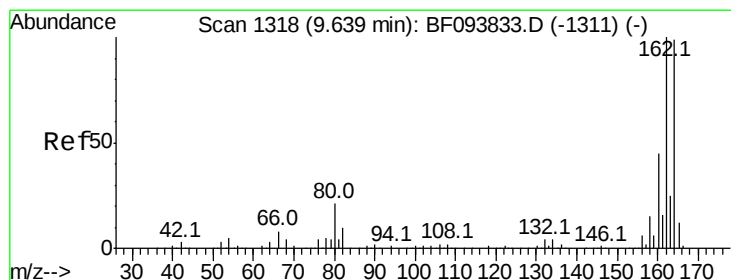
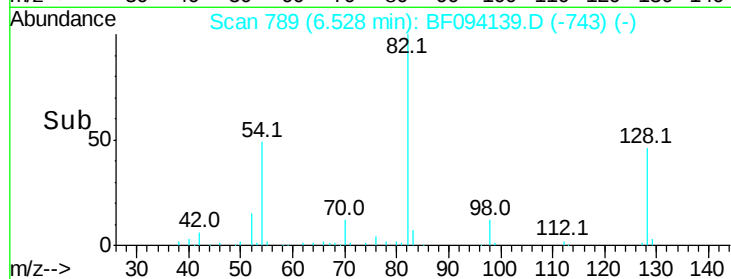
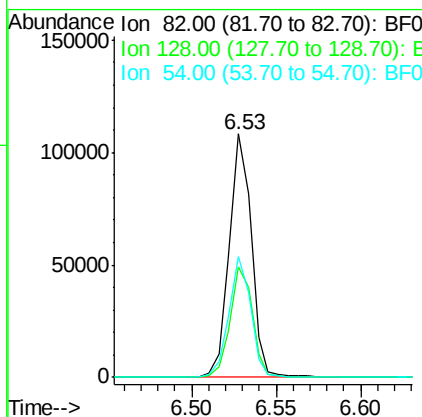
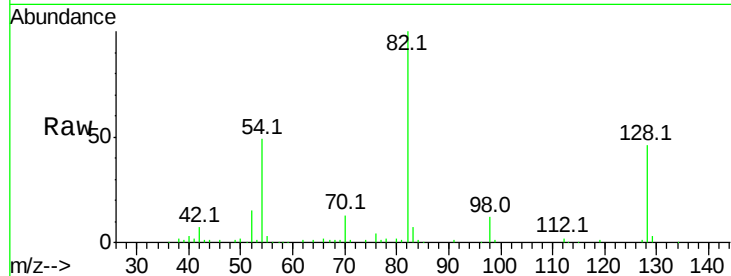




#23
 Nitrobenzene-d5
 Concen: 10.99 ng
 RT: 6.53 min Scan# 789
 Delta R.T. -0.03 min
 Lab File: BF094139.D
 Acq: 3 Apr 2017 23:39

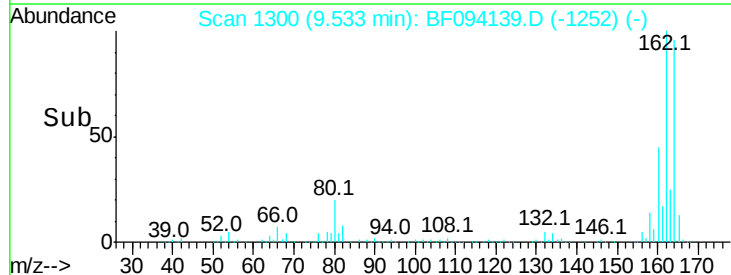
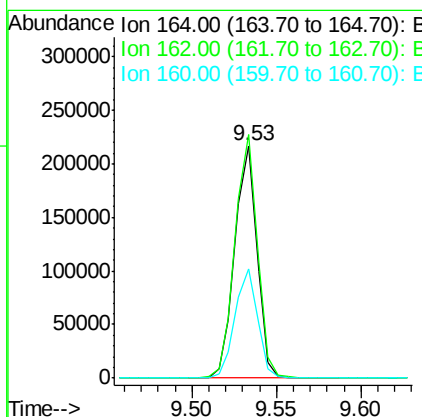
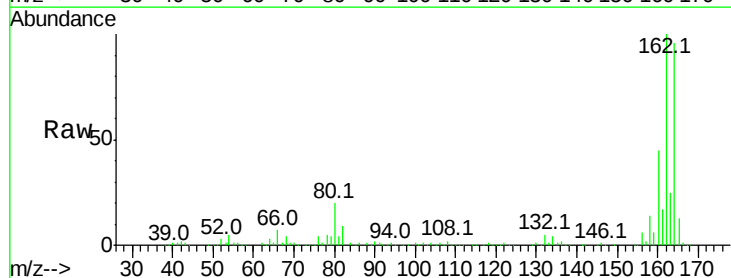
Instrument :
 BNA_F
 ClientSampleId :
 LSS-SP10-COMP

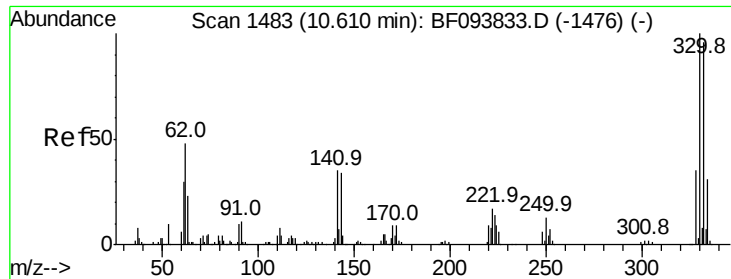
Tot Ion: 82 Resp: 98402
 Ion Ratio Lower Upper
 82 100
 128 45.6 34.0 51.0
 54 49.4 42.2 63.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.53 min Scan# 1300
 Delta R.T. -0.02 min
 Lab File: BF094139.D
 Acq: 3 Apr 2017 23:39

Tgt Ion:164 Resp: 198551
 Ion Ratio Lower Upper
 164 100
 162 104.7 82.6 123.8
 160 46.8 36.2 54.2





#41

2,4,6-Tribromophenol

Concen: 19.55 ng

RT: 10.50 min Scan# 1465

Delta R.T. -0.02 min

Lab File: BF094139.D

Acq: 3 Apr 2017 23:39

Instrument :

BNA_F

ClientSampleId :

LSS-SP10-COMP

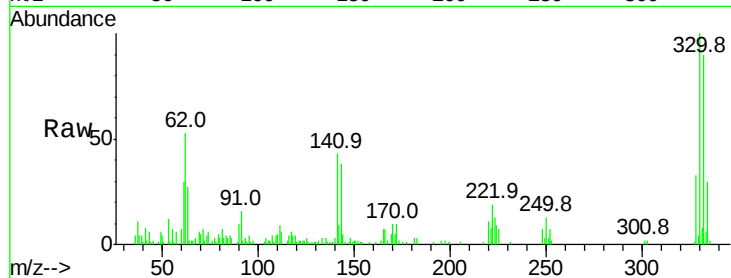
Tot Ion:330 Resp: 30679

Ion Ratio Lower Upper

330 100

332 91.8 76.6 115.0

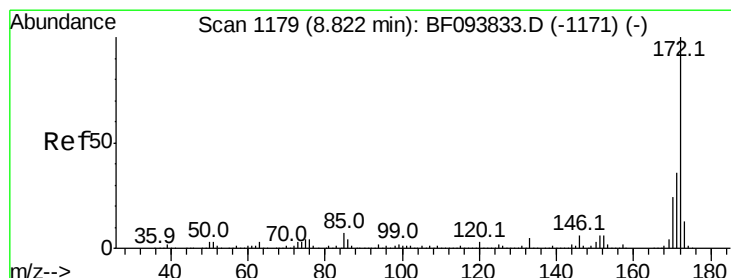
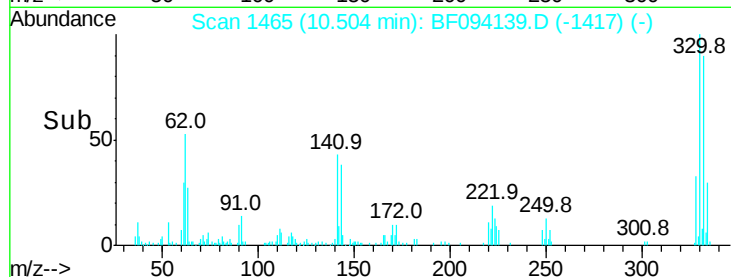
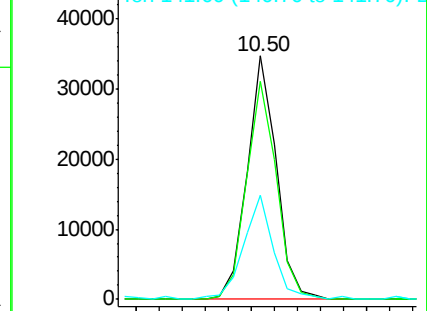
141 44.2 31.4 47.2



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: 21.06 ng

RT: 8.71 min Scan# 1160

Delta R.T. -0.02 min

Lab File: BF094139.D

Acq: 3 Apr 2017 23:39

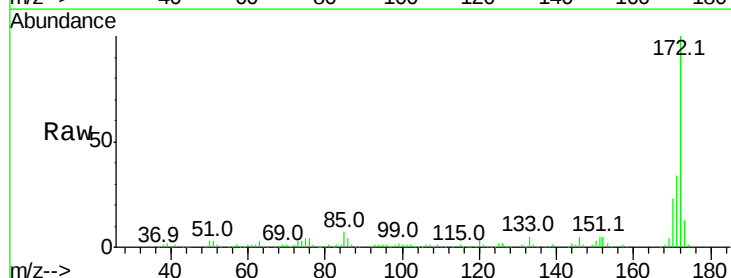
Tgt Ion:172 Resp: 274086

Ion Ratio Lower Upper

172 100

171 34.4 29.6 44.4

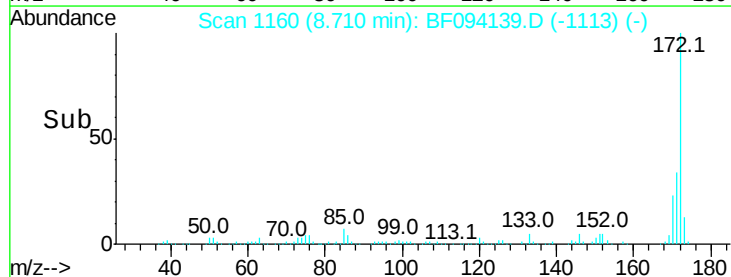
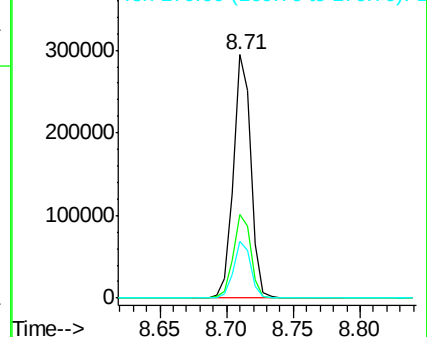
170 23.4 19.8 29.8

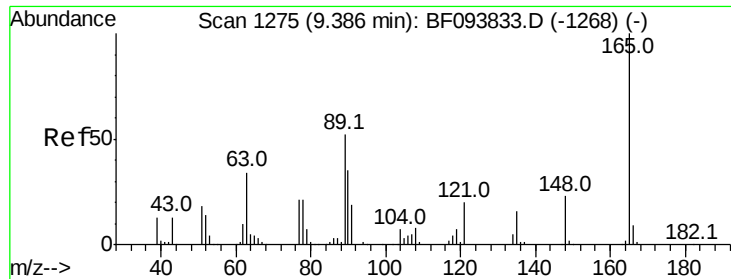


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

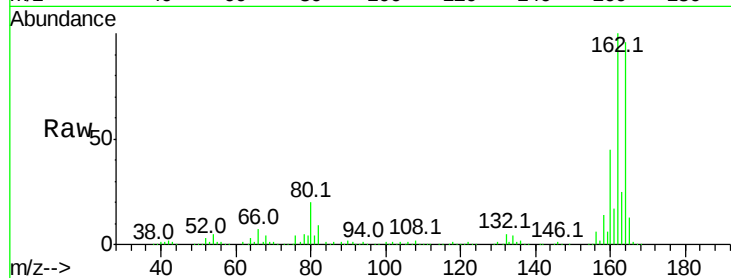




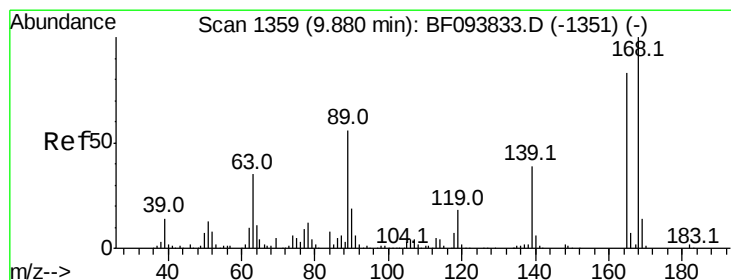
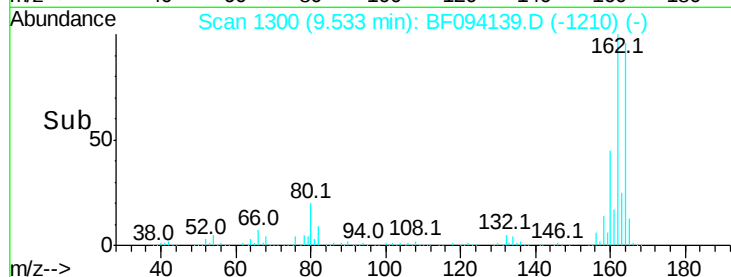
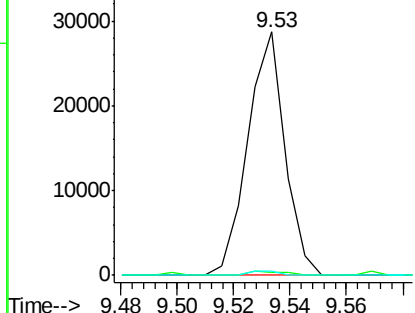
#50
 2,6-Dinitrotoluene
 Concen: 8.06 ng
 RT: 9.53 min Scan# 1300
 Delta R.T. 0.23 min
 Lab File: BF094139.D
 Acq: 3 Apr 2017 23:39

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SP10-COMP

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	34.3	51.5#
89	1.9	37.1	55.7#

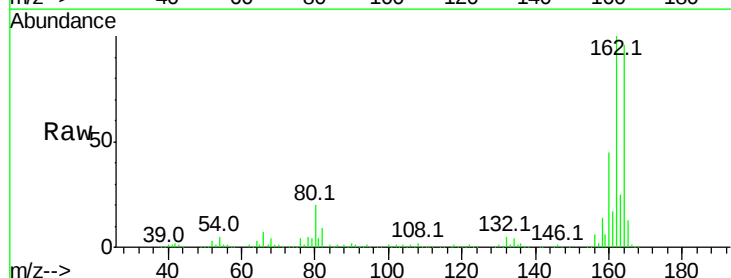


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

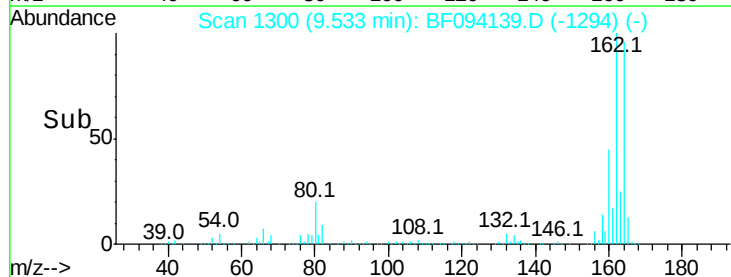
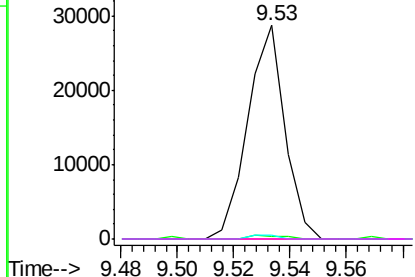


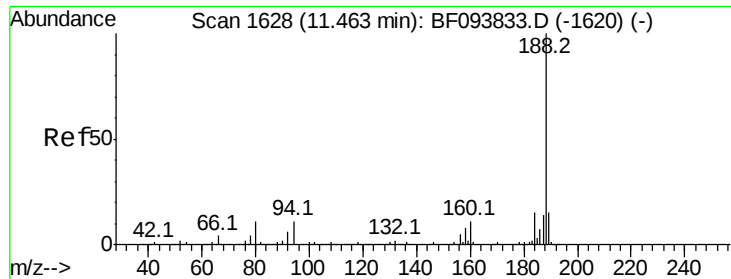
#56
 2,4-Dinitrotoluene
 Concen: 6.42 ng
 RT: 9.53 min Scan# 1300
 Delta R.T. -0.26 min
 Lab File: BF094139.D
 Acq: 3 Apr 2017 23:39

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	25.4	38.0#
89	1.9	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

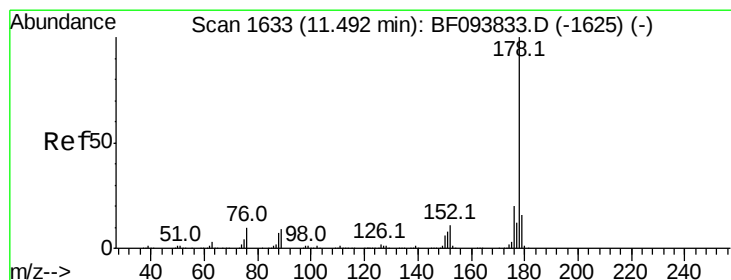
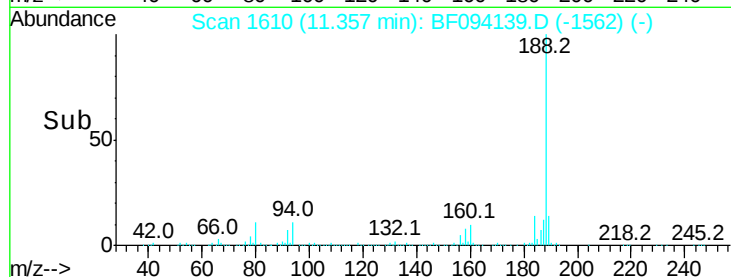
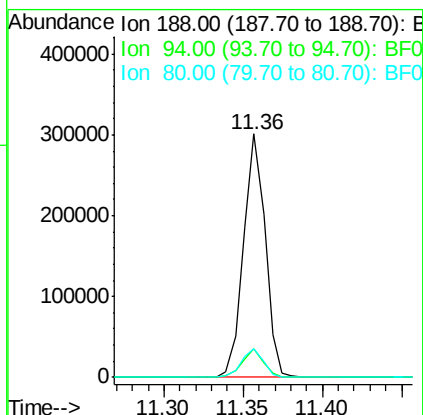
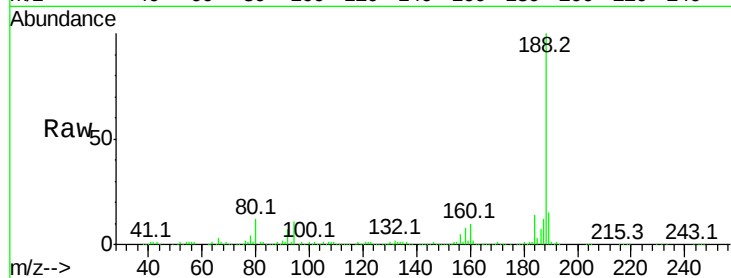




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 1610
Delta R.T. -0.02 min
Lab File: BF094139.D
Acq: 3 Apr 2017 23:39

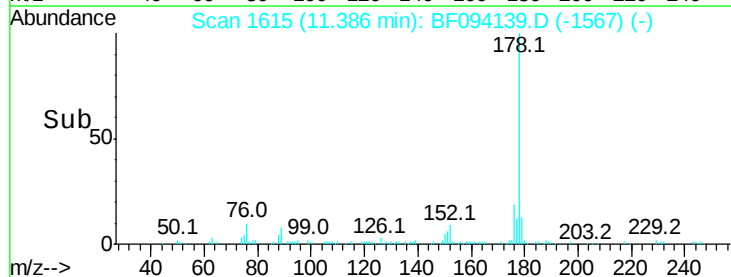
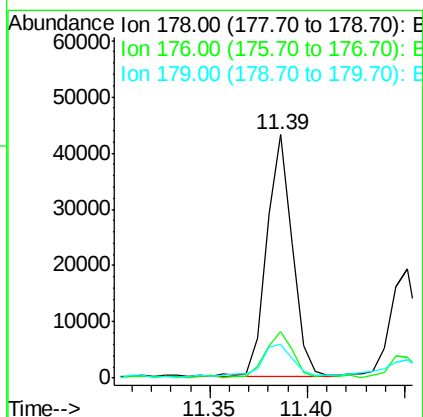
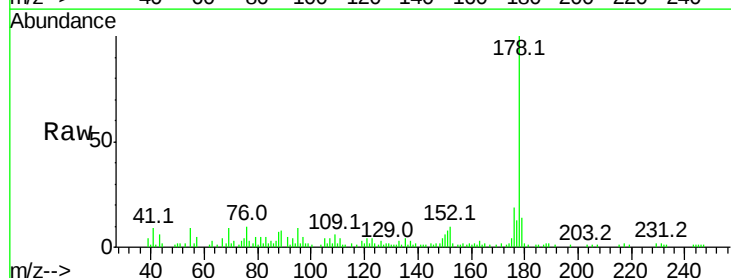
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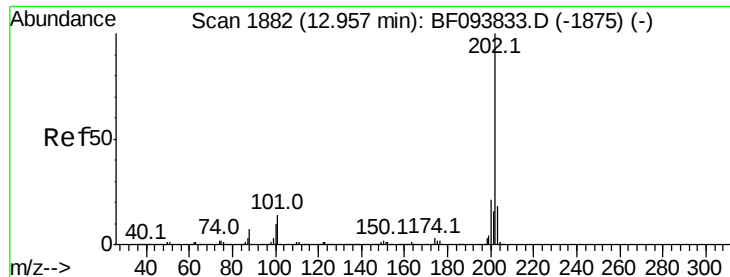
Tot Ion:188 Resp: 286677
Ion Ratio Lower Upper
188 100
94 11.5 9.4 14.2
80 11.6 10.2 15.2



#70
Phenanthrene
Concen: 2.42 ng
RT: 11.39 min Scan# 1615
Delta R.T. -0.02 min
Lab File: BF094139.D
Acq: 3 Apr 2017 23:39

Tgt Ion:178 Resp: 38662
Ion Ratio Lower Upper
178 100
176 19.1 16.2 24.4
179 14.1 12.6 19.0





#74

Fluoranthene

Concen: 5.09 ng

RT: 12.85 min Scan# 1864

Delta R.T. -0.02 min

Lab File: BF094139.D

Acq: 3 Apr 2017 23:39

Instrument :

BNA_F

ClientSampleId :

LSS-SP10-COMP

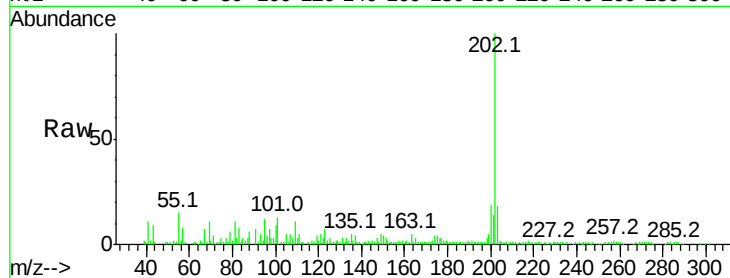
Tot Ion:202 Resp: 83071

Ion Ratio Lower Upper

202 100

101 13.2 0.0 33.2

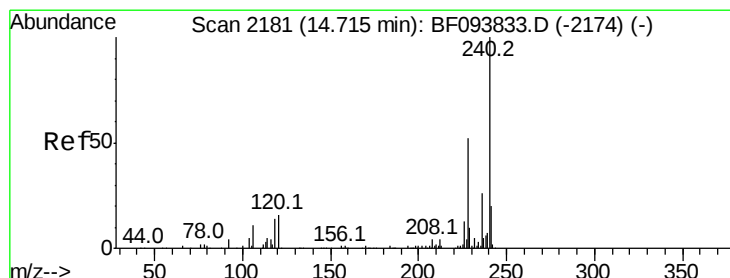
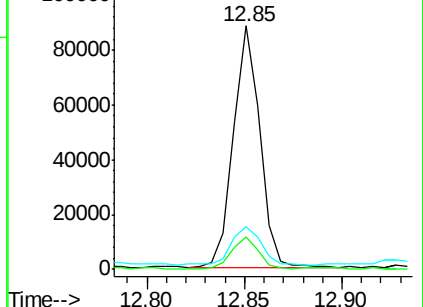
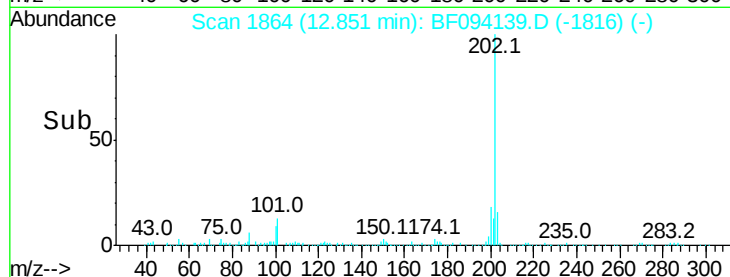
203 17.5 0.0 38.1



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: 14.62 min Scan# 2164

Delta R.T. -0.01 min

Lab File: BF094139.D

Acq: 3 Apr 2017 23:39

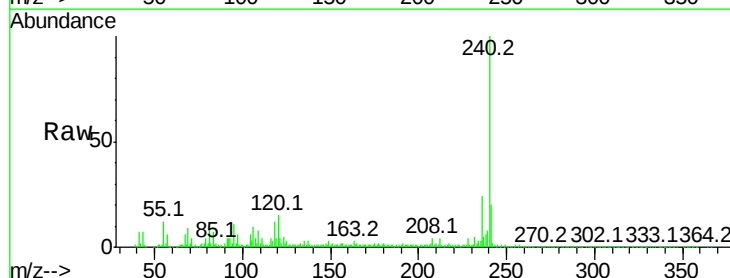
Tgt Ion:240 Resp: 251582

Ion Ratio Lower Upper

240 100

120 14.9 5.8 8.8#

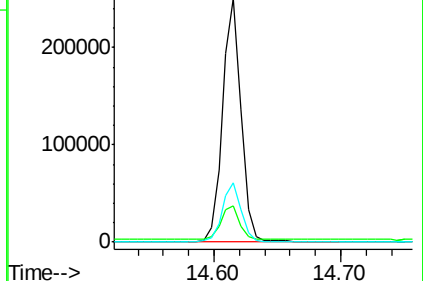
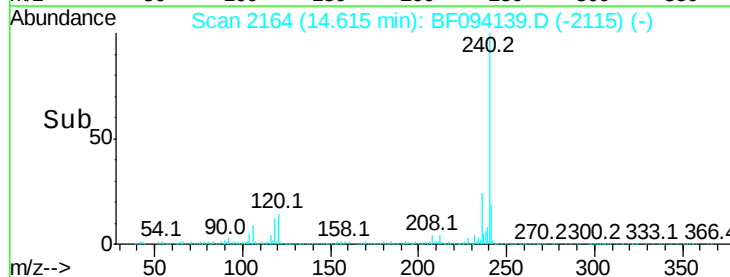
236 24.3 20.5 30.7

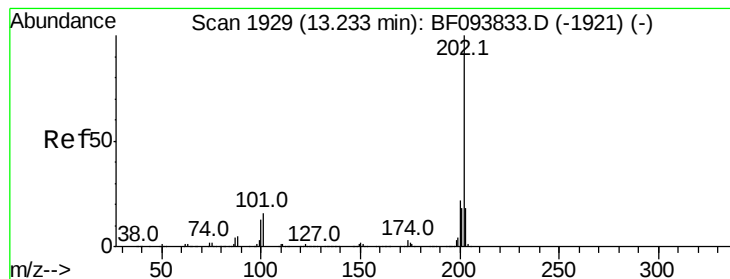


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 4.74 ng

RT: 13.13 min Scan# 1911

Delta R.T. -0.02 min

Lab File: BF094139.D

Acq: 3 Apr 2017 23:39

Instrument :

BNA_F

ClientSampleId :

LSS-SP10-COMP

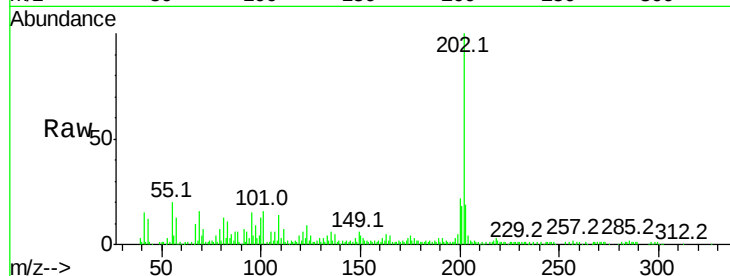
Tot Ion:202 Resp: 86617

Ion Ratio Lower Upper

202 100

200 21.5 17.6 26.4

203 19.3 14.4 21.6



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

120000

100000

80000

60000

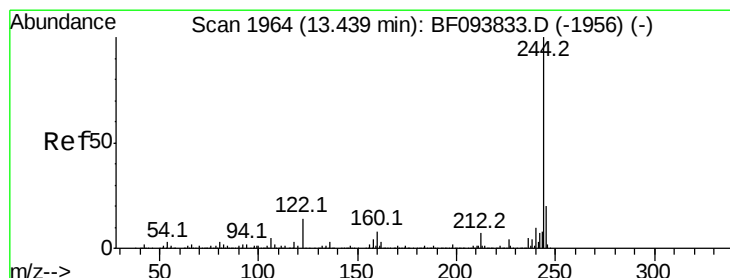
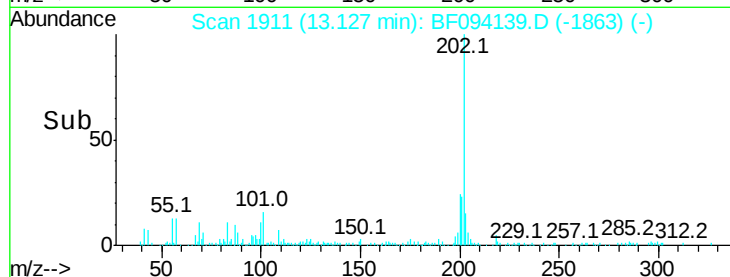
40000

20000

0

13.05 13.10 13.15 13.20

Time-->



#78

Terphenyl-d14

Concen: 14.35 ng

RT: 13.33 min Scan# 1946

Delta R.T. -0.02 min

Lab File: BF094139.D

Acq: 3 Apr 2017 23:39

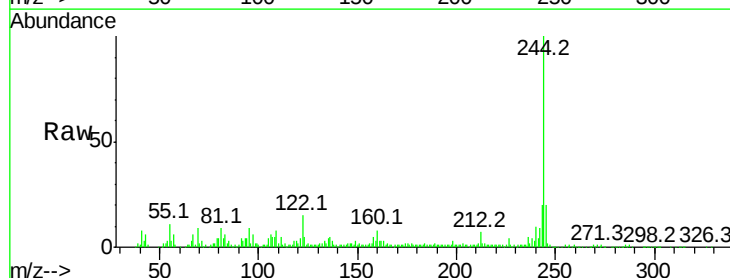
Tgt Ion:244 Resp: 161079

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

122 15.4 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

200000

150000

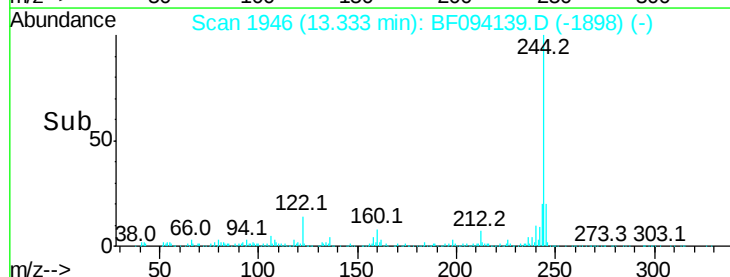
100000

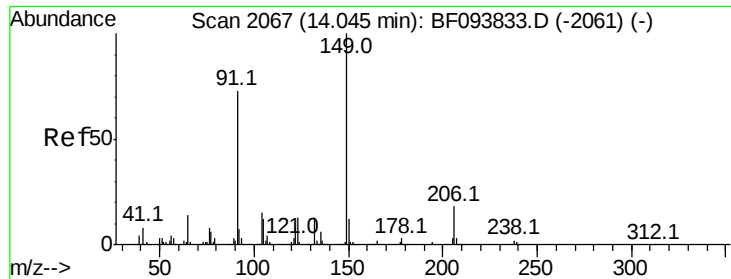
50000

0

13.30 13.35

Time-->

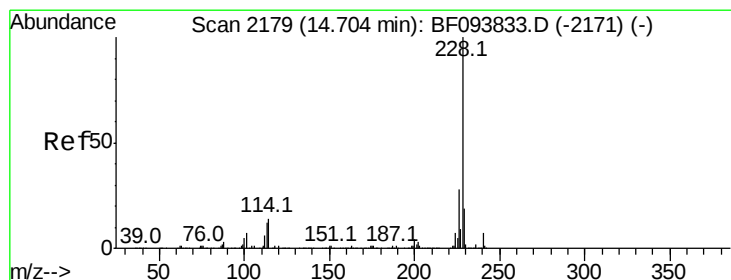
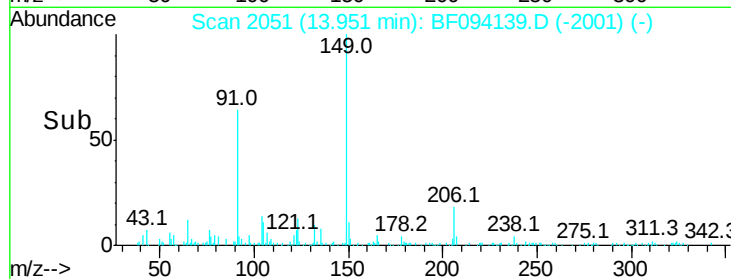
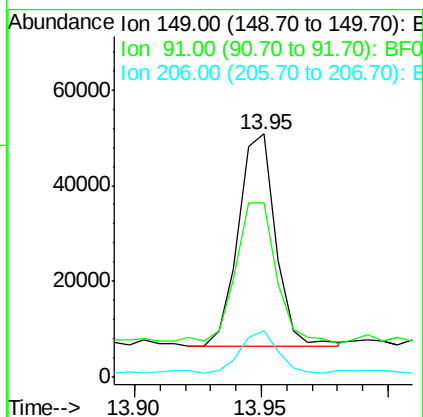
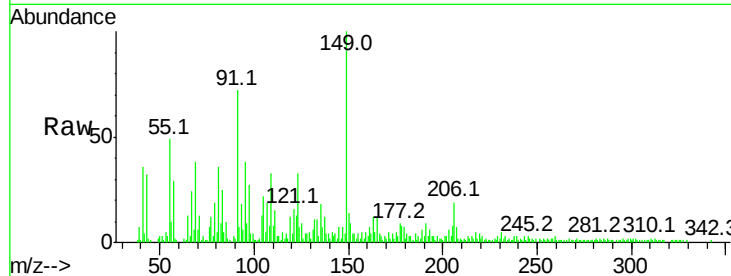




#79
Butylbenzylphthalate
Concen: 5.88 ng
RT: 13.95 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BF094139.D
Acq: 3 Apr 2017 23:39

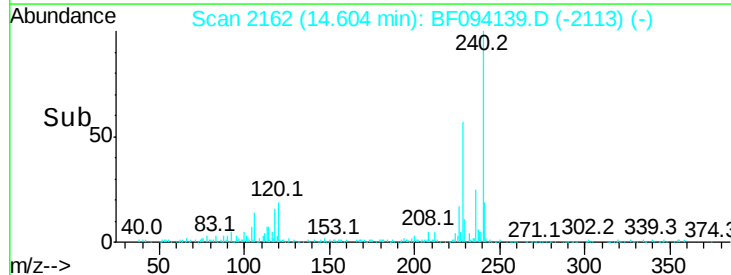
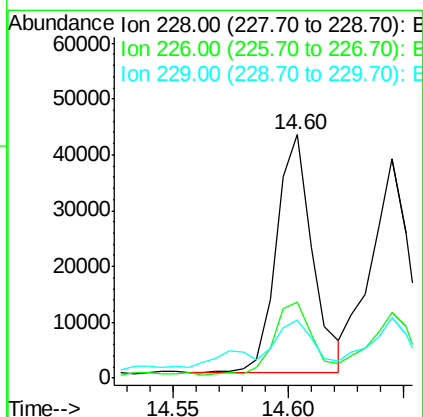
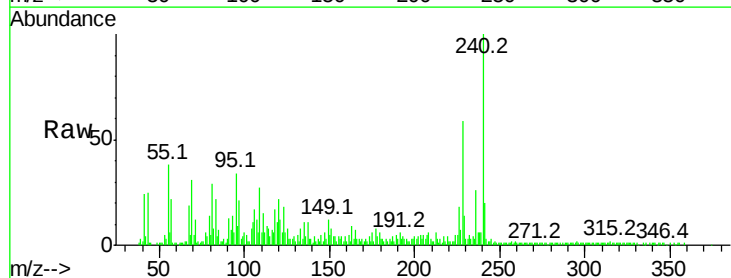
Instrument :
BNA_F
ClientSampleId :
LSS-SP10-COMP

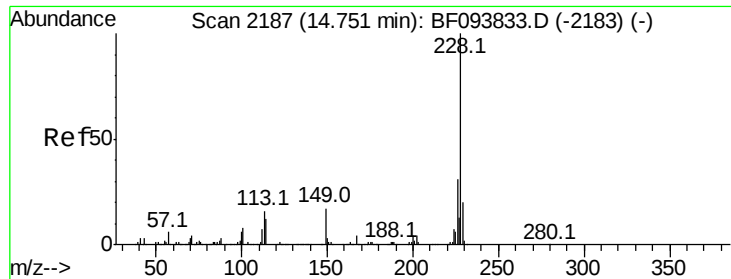
Tot Ion:149 Resp: 45717
Ion Ratio Lower Upper
149 100
91 71.6 45.0 67.4#
206 18.8 17.0 25.6



#80
Benzo(a)anthracene
Concen: 3.15 ng
RT: 14.60 min Scan# 2162
Delta R.T. -0.01 min
Lab File: BF094139.D
Acq: 3 Apr 2017 23:39

Tgt Ion:228 Resp: 46210
Ion Ratio Lower Upper
228 100
226 30.9 22.6 33.8
229 23.6 16.3 24.5

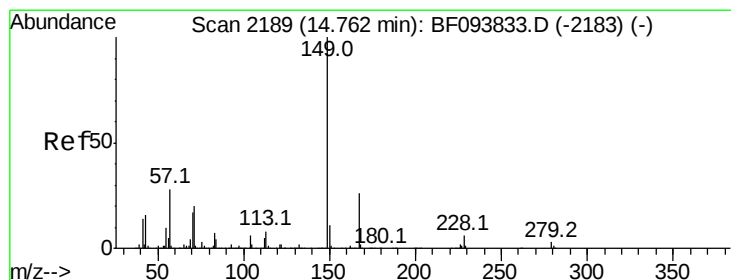
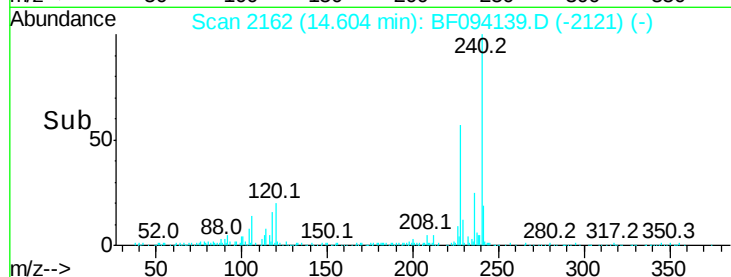
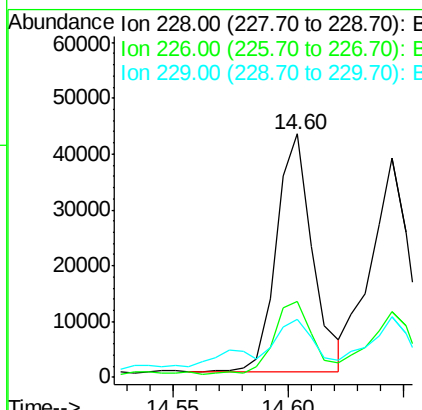
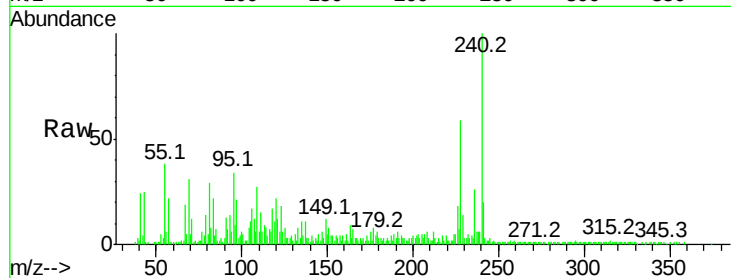




#82
Chrysene
Concen: 3.39 ng
RT: 14.60 min Scan# 2162
Delta R.T. -0.06 min
Lab File: BF094139.D
Acq: 3 Apr 2017 23:39

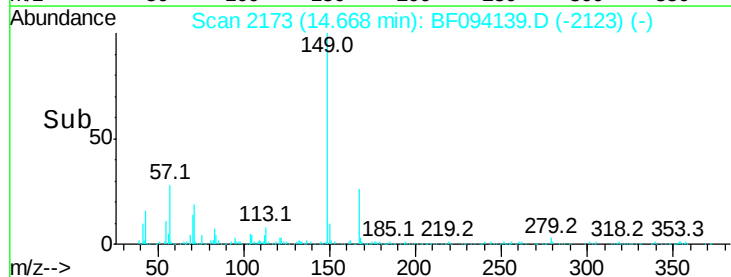
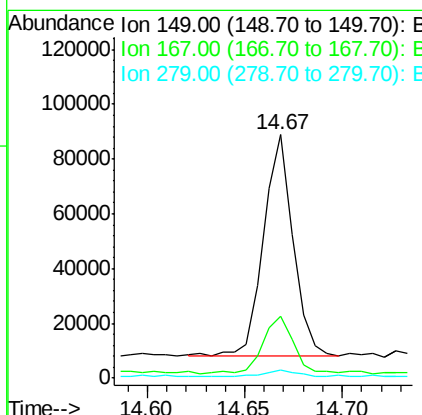
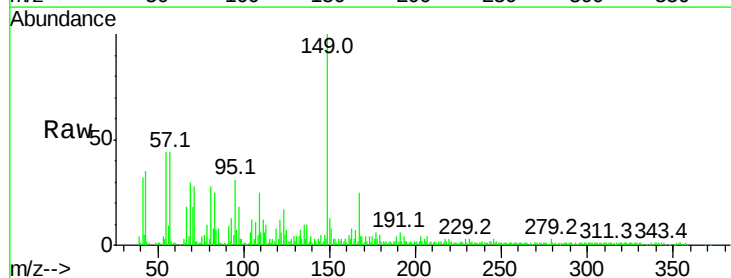
Instrument :
BNA_F
ClientSampleId :
LSS-SP10-COMP

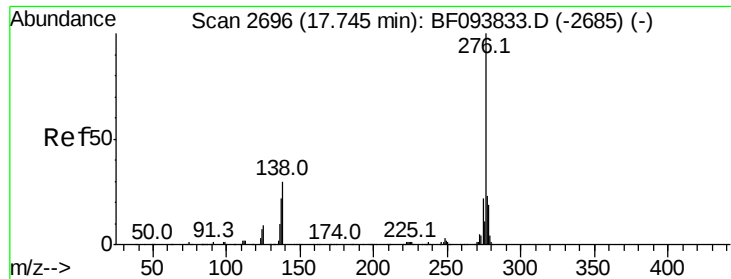
Tot Ion:228 Resp: 46210
Ion Ratio Lower Upper
228 100
226 30.9 24.9 37.3
229 23.6 15.8 23.6



#83
Bis(2-ethylhexyl)phthalate
Concen: 7.94 ng
RT: 14.67 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF094139.D
Acq: 3 Apr 2017 23:39

Tgt Ion:149 Resp: 84245
Ion Ratio Lower Upper
149 100
167 25.2 21.0 31.4
279 3.3 1.9 2.9#

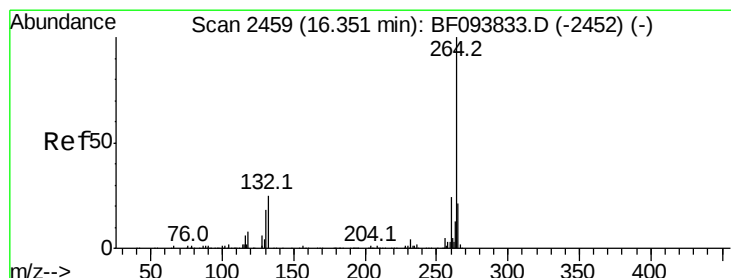
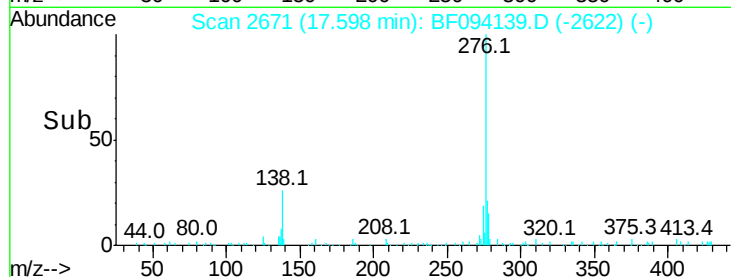
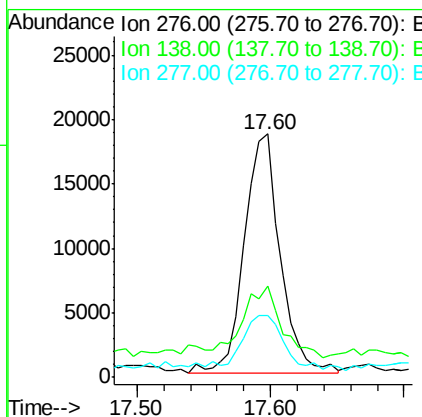
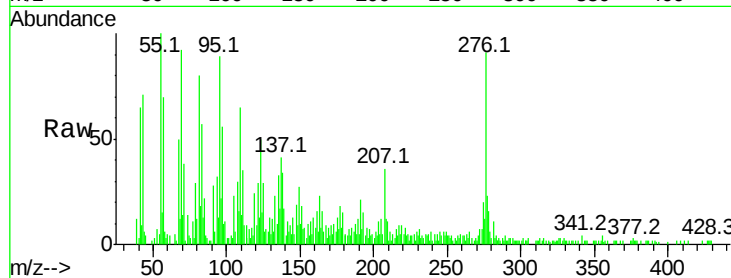




#85
Indeno(1,2,3-cd)pyrene
Concen: 2.91 ng
RT: 17.60 min Scan# 2671
Delta R.T. -0.01 min
Lab File: BF094139.D
Acq: 3 Apr 2017 23:39

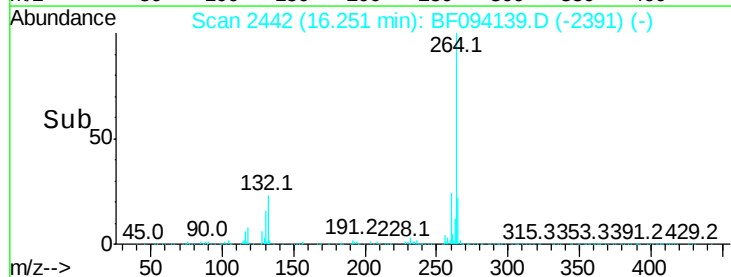
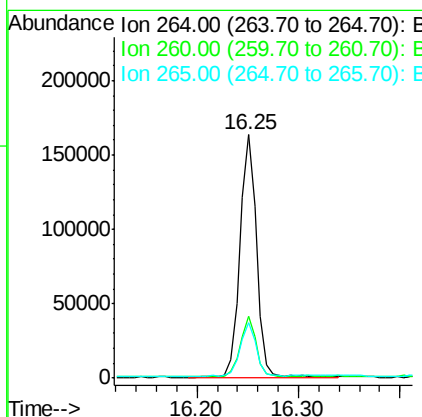
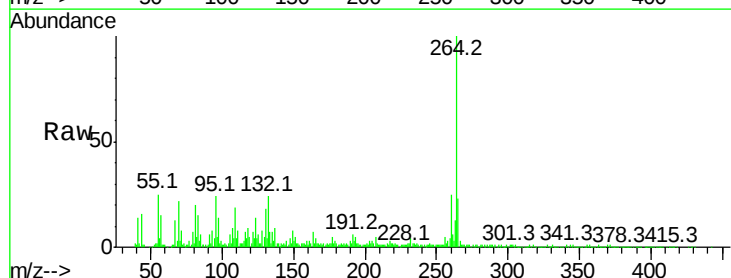
Instrument :
BNA_F
ClientSampleId :
LSS-SP10-COMP

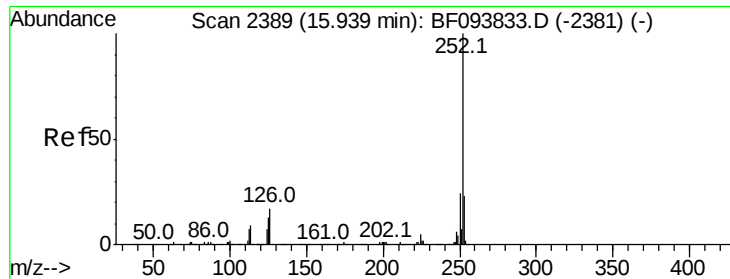
Tot Ion:276 Resp: 34264
Ion Ratio Lower Upper
276 100
138 31.7 27.8 41.6
277 27.5 20.2 30.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 16.25 min Scan# 2442
Delta R.T. -0.00 min
Lab File: BF094139.D
Acq: 3 Apr 2017 23:39

Tgt Ion:264 Resp: 185028
Ion Ratio Lower Upper
264 100
260 25.2 19.5 29.3
265 22.6 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 7.50 ng

RT: 15.84 min Scan# 2372

Delta R.T. -0.01 min

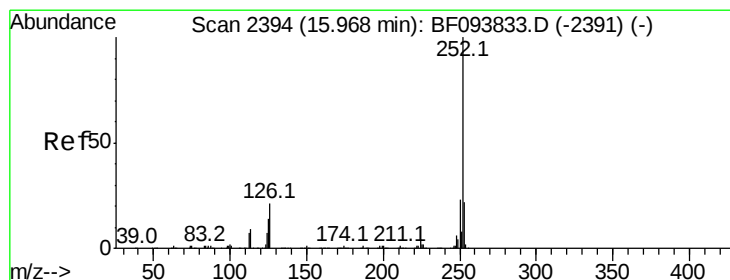
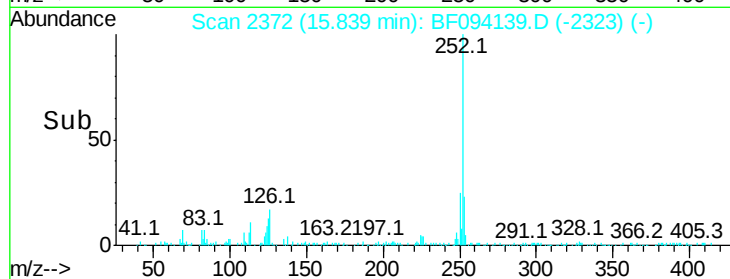
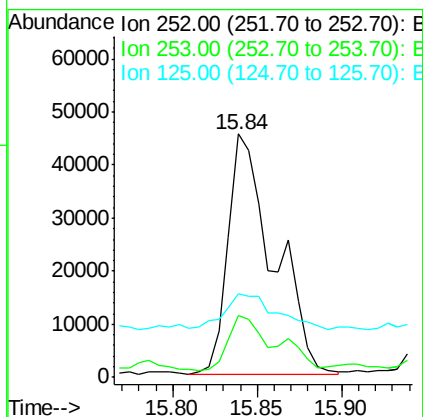
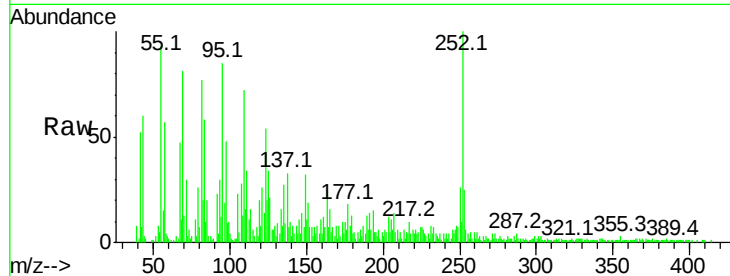
Lab File: BF094139.D

Acq: 3 Apr 2017 23:39

Instrument :
BNA_F
ClientSampleId :
LSS-SP10-COMP

Tot Ion:252 Resp: 85041

Ion	Ratio	Lower	Upper
252	100		
253	25.5	18.1	27.1
125	34.4	9.8	14.8#



#88

Benzo(k)fluoranthene

Concen: 7.66 ng

RT: 15.84 min Scan# 2372

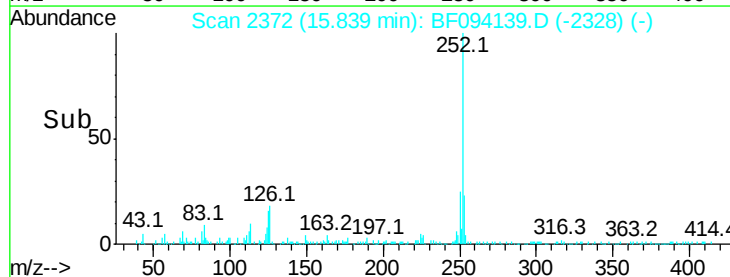
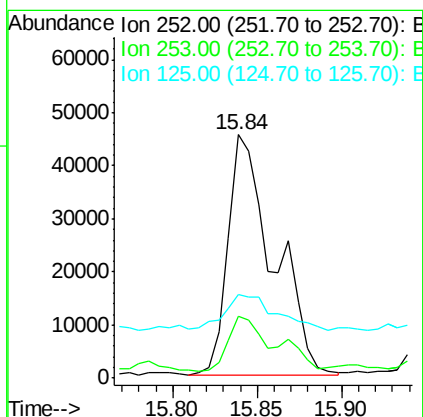
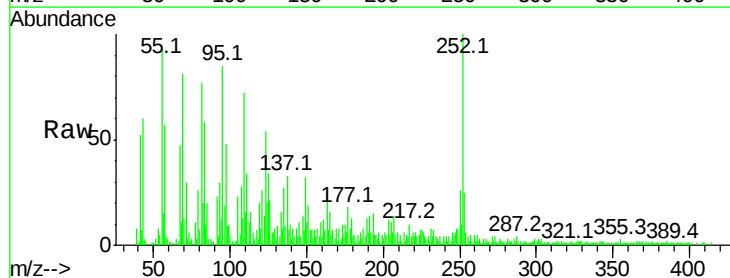
Delta R.T. -0.04 min

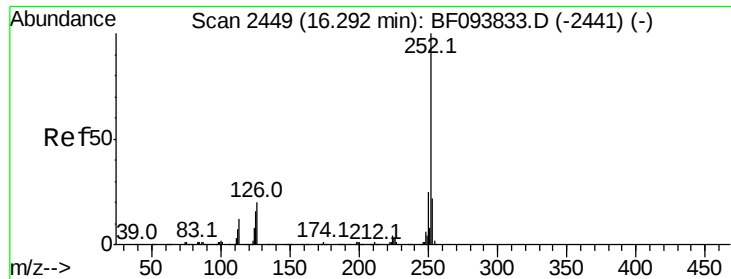
Lab File: BF094139.D

Acq: 3 Apr 2017 23:39

Tgt Ion:252 Resp: 85041

Ion	Ratio	Lower	Upper
252	100		
253	25.5	18.4	27.6
125	34.4	13.1	19.7#

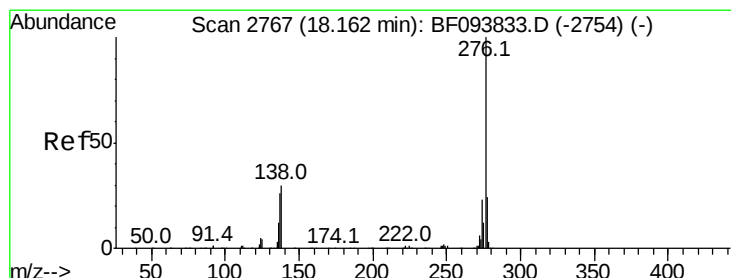
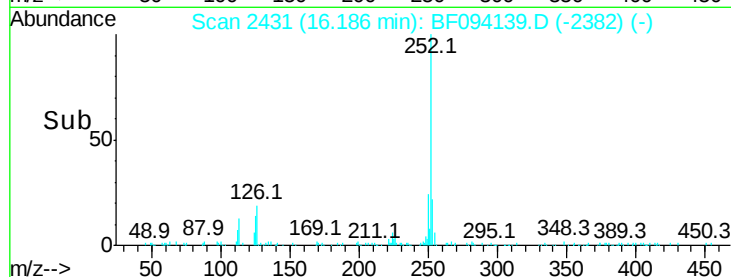
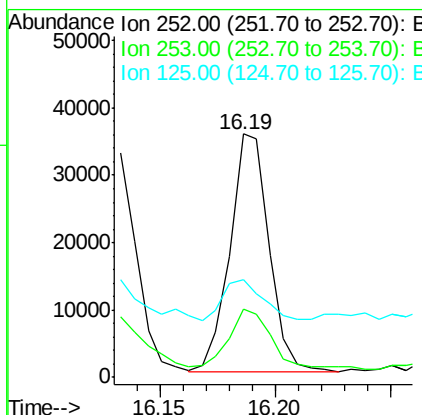
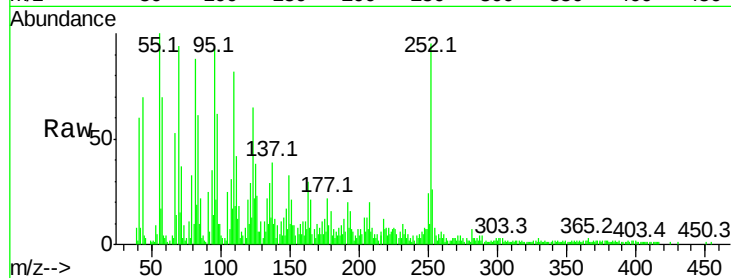




#89
Benzo(a)pyrene
Concen: 3.98 ng
RT: 16.19 min Scan# 2431
Delta R.T. -0.01 min
Lab File: BF094139.D
Acq: 3 Apr 2017 23:39

Instrument :
BNA_F
ClientSampleId :
LSS-SP10-COMP

Tot Ion:252 Resp: 41608
Ion Ratio Lower Upper
252 100
253 27.8 17.5 26.3#
125 39.9 11.0 16.4#



#91
Benzo(g,h,i)perylene
Concen: 5.03 ng
RT: 17.99 min Scan# 2738
Delta R.T. -0.02 min
Lab File: BF094139.D
Acq: 3 Apr 2017 23:39

Tgt Ion:276 Resp: 44801
Ion Ratio Lower Upper
276 100
277 23.6 18.6 28.0
138 34.7 25.4 38.0

