

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\
 Data File : BF094140.D
 Acq On : 4 Apr 2017 00:07
 Operator : SJ/MA
 Sample : I2493-16 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SP11-COMP

Quant Time: Apr 04 01:08:42 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

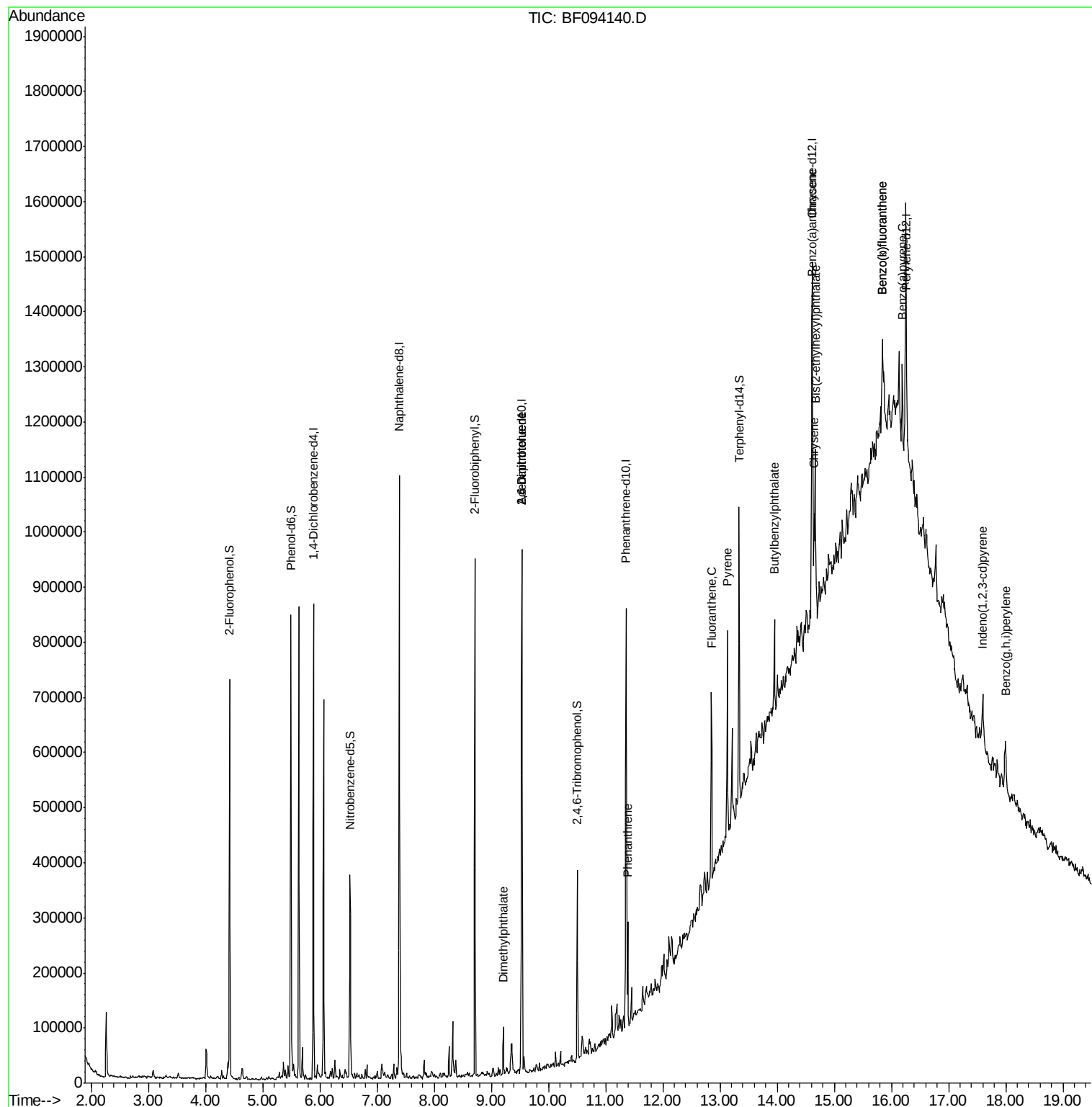
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.89	152	128440	20.00	ng	-0.02
21) Naphthalene-d8	7.39	136	493186	20.00	ng	-0.02
38) Acenaphthene-d10	9.53	164	196730	20.00	ng	-0.02
63) Phenanthrene-d10	11.36	188	290744	20.00	ng	-0.02
75) Chrysene-d12	14.62	240	239456	20.00	ng	-0.01
86) Perylene-d12	16.25	264	183872	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.42	112	218648	28.75	ng	-0.01
7) Phenol-d6	5.49	99	272647	28.98	ng	-0.02
23) Nitrobenzene-d5	6.53	82	117349	13.58	ng	-0.03
41) 2,4,6-Tribromophenol	10.50	330	36225	23.30	ng	-0.02
44) 2-Fluorobiphenyl	8.71	172	318392	24.69	ng	-0.02
78) Terphenyl-d14	13.33	244	191893	17.96	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.21	163	33431	2.39	ng	97
50) 2,6-Dinitrotoluene	9.53	165	26176	8.17	ng	# 34
56) 2,4-Dinitrotoluene	9.53	165	26177	6.50	ng	# 34
70) Phenanthrene	11.39	178	71041	4.39	ng	98
74) Fluoranthene	12.85	202	146873	8.87	ng	99
77) Pyrene	13.13	202	144413	8.31	ng	98
79) Butylbenzylphthalate	13.95	149	50243	6.79	ng	# 83
80) Benzo(a)anthracene	14.60	228	81908	5.87	ng	94
82) Chrysene	14.64	228	78529	6.06	ng	96
83) Bis(2-ethylhexyl)phthalate	14.67	149	102282	10.12	ng	# 99
85) Indeno(1,2,3-cd)pyrene	17.60	276	55796	4.97	ng	99
87) Benzo(b)fluoranthene	15.84	252	143215	12.71	ng	# 87
88) Benzo(k)fluoranthene	15.84	252	143215	12.99	ng	# 91
89) Benzo(a)pyrene	16.19	252	75983	7.32	ng	# 86
91) Benzo(a,h,i)perylene	18.00	276	70258	7.93	ng	98

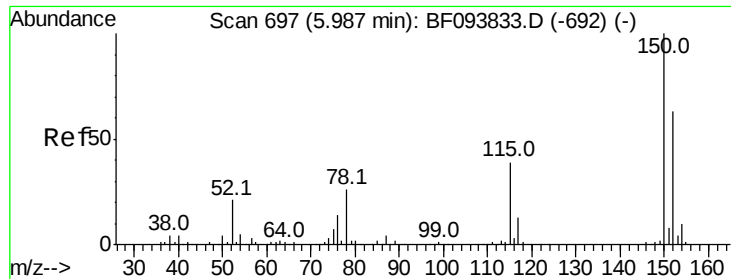
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF094140.D

Acq: 4 Apr 2017 00:07

Instrument :

BNA_F

ClientSampleId :

LSS-SP11-COMP

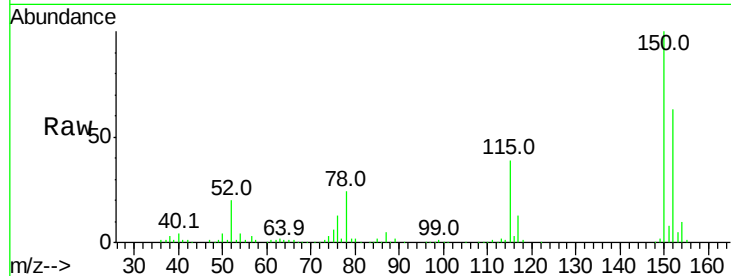
Tot Ion:152 Resp: 128440

Ion Ratio Lower Upper

152 100

150 158.3 126.2 189.2

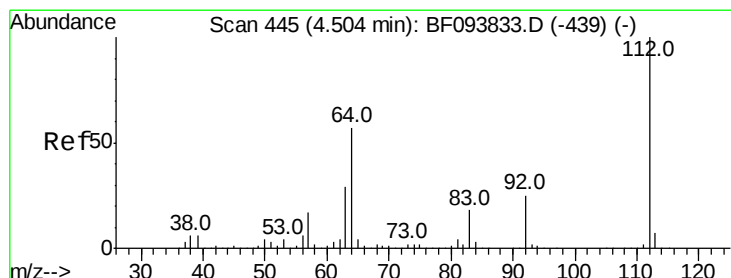
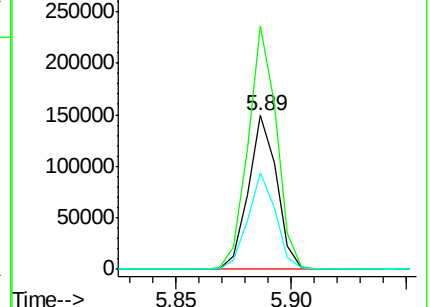
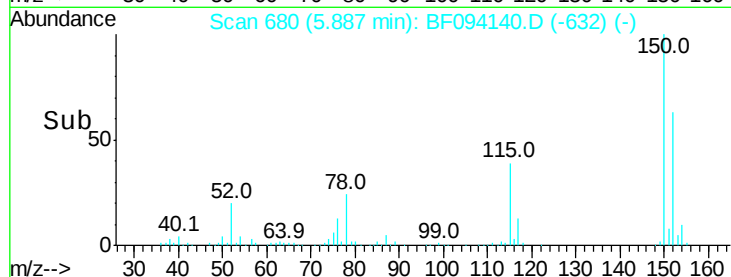
115 62.5 52.2 78.2



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: 28.75 ng

RT: 4.42 min Scan# 431

Delta R.T. -0.01 min

Lab File: BF094140.D

Acq: 4 Apr 2017 00:07

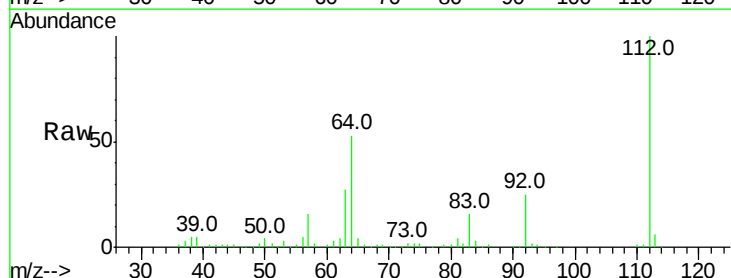
Tgt Ion:112 Resp: 218648

Ion Ratio Lower Upper

112 100

64 53.3 46.0 69.0

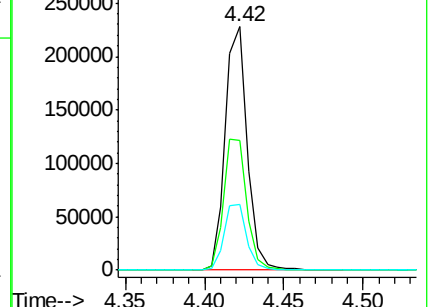
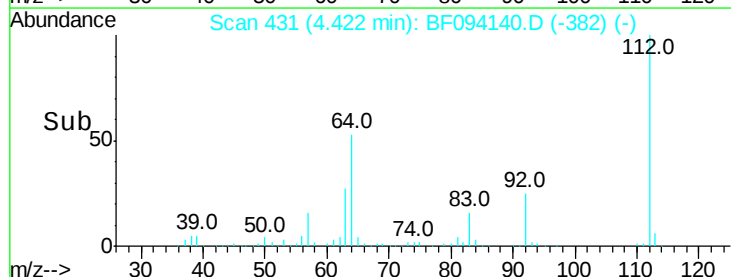
63 26.8 23.4 35.0

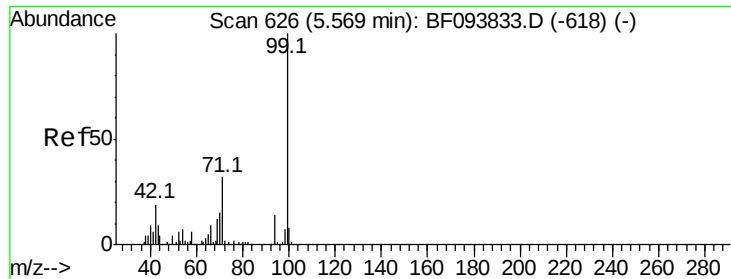


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 28.98 ng

RT: 5.49 min Scan# 613

Delta R.T. -0.02 min

Lab File: BF094140.D

Acq: 4 Apr 2017 00:07

Instrument :

BNA_F

ClientSampleId :

LSS-SP11-COMP

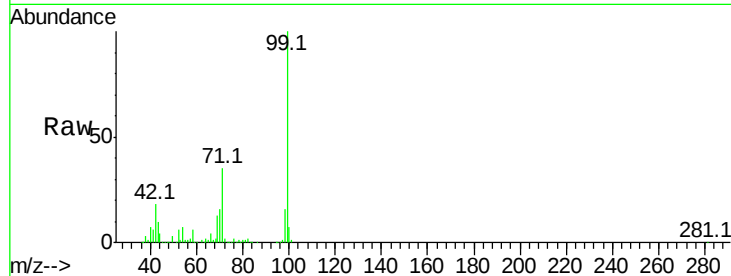
Tot Ion: 99 Resp: 272647

Ion Ratio Lower Upper

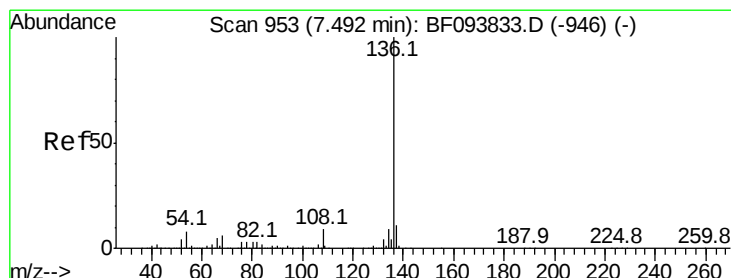
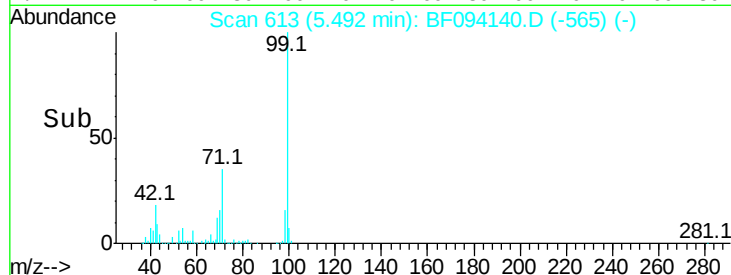
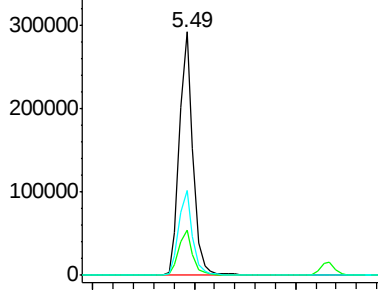
99 100

42 18.4 13.5 20.3

71 34.6 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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.39 min Scan# 936

Delta R.T. -0.02 min

Lab File: BF094140.D

Acq: 4 Apr 2017 00:07

Tgt Ion: 136 Resp: 493186

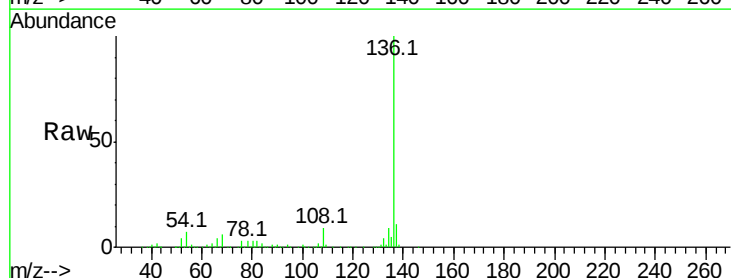
Ion Ratio Lower Upper

136 100

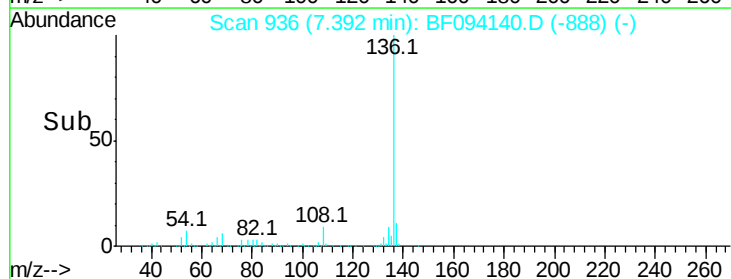
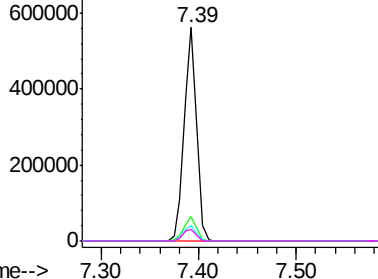
137 11.2 8.5 12.7

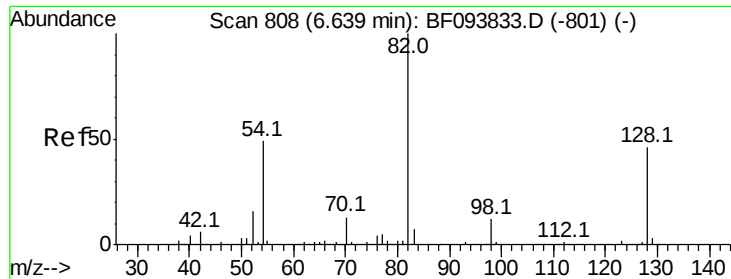
54 7.2 4.9 7.3

68 5.7 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

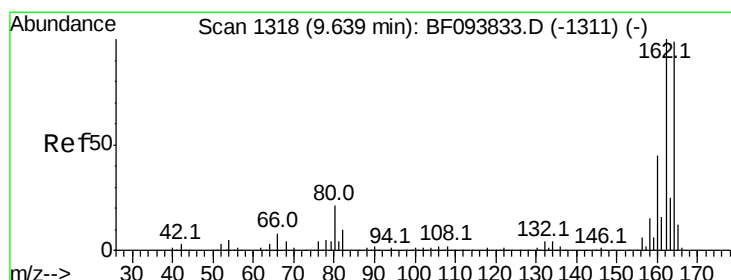
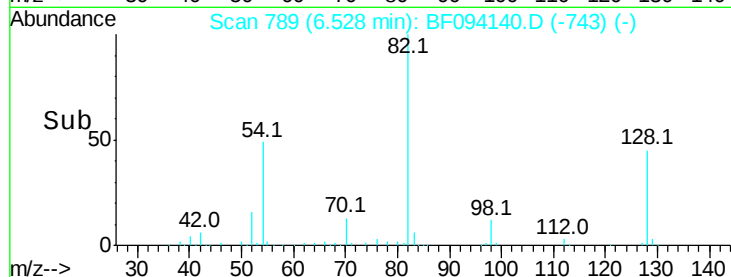
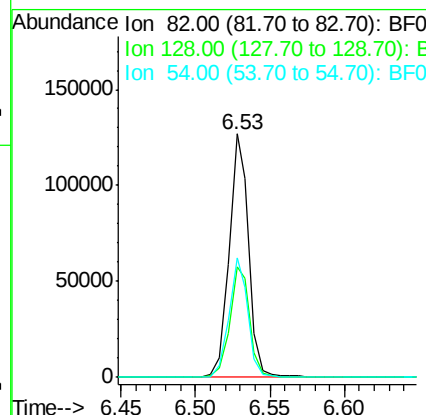
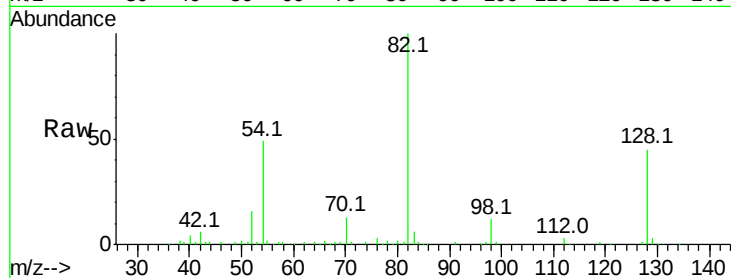




#23
 Nitrobenzene-d5
 Concen: 13.58 ng
 RT: 6.53 min Scan# 789
 Delta R.T. -0.03 min
 Lab File: BF094140.D
 Acq: 4 Apr 2017 00:07

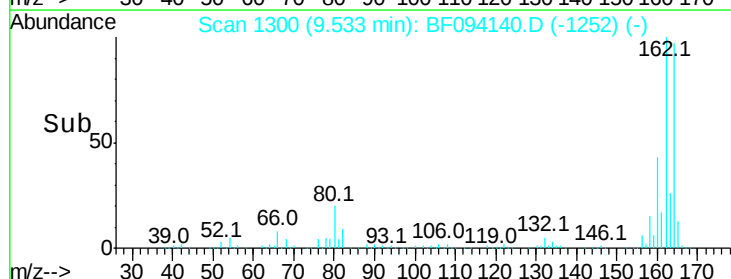
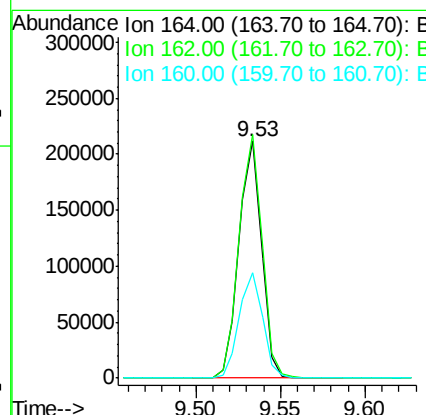
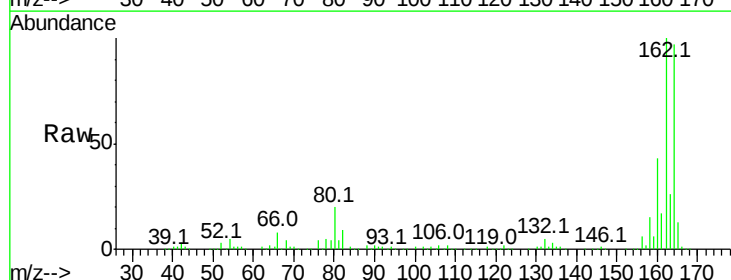
Instrument :
 BNA_F
 ClientSampleId :
 LSS-SP11-COMP

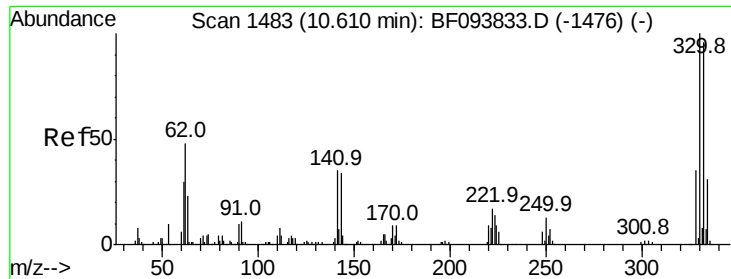
Tot Ion: 82 Resp: 117349
 Ion Ratio Lower Upper
 82 100
 128 45.2 34.0 51.0
 54 48.9 42.2 63.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.53 min Scan# 1300
 Delta R.T. -0.02 min
 Lab File: BF094140.D
 Acq: 4 Apr 2017 00:07

Tgt Ion:164 Resp: 196730
 Ion Ratio Lower Upper
 164 100
 162 102.8 82.6 123.8
 160 44.3 36.2 54.2

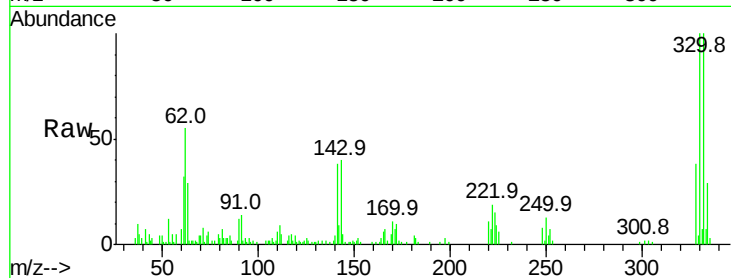




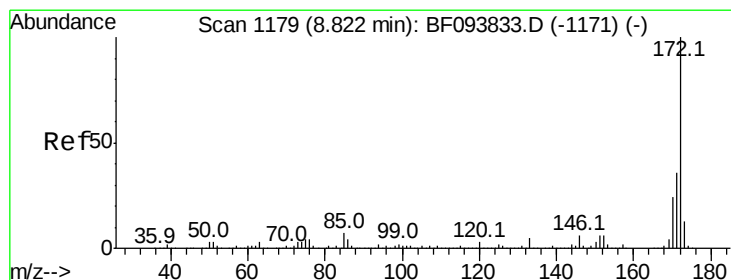
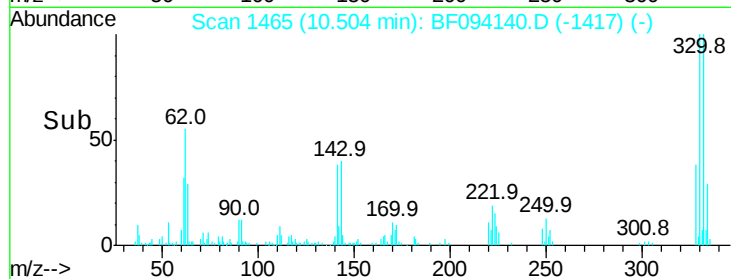
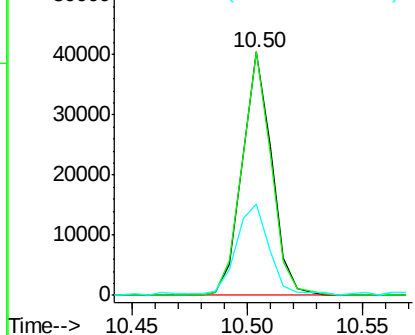
#41
 2,4,6-Tribromophenol
 Concen: 23.30 ng
 RT: 10.50 min Scan# 1465
 Delta R.T. -0.02 min
 Lab File: BF094140.D
 Acq: 4 Apr 2017 00:07

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SP11-COMP

Tot Ion:330 Resp: 36225
 Ion Ratio Lower Upper
 330 100
 332 99.2 76.6 115.0
 141 43.9 31.4 47.2

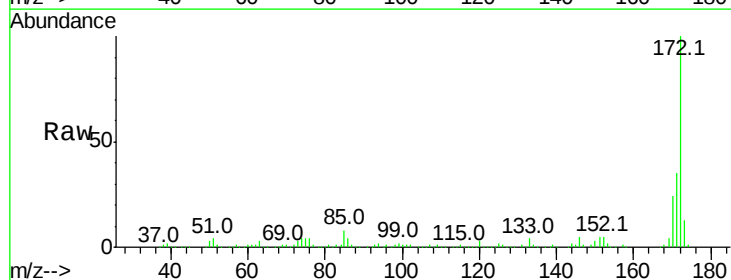


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

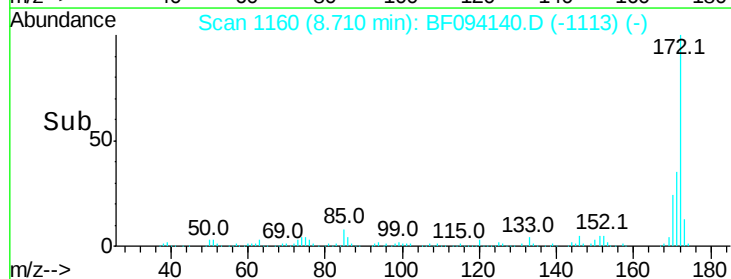
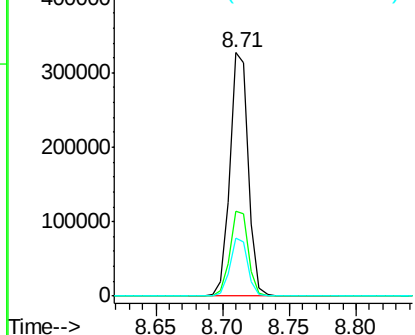


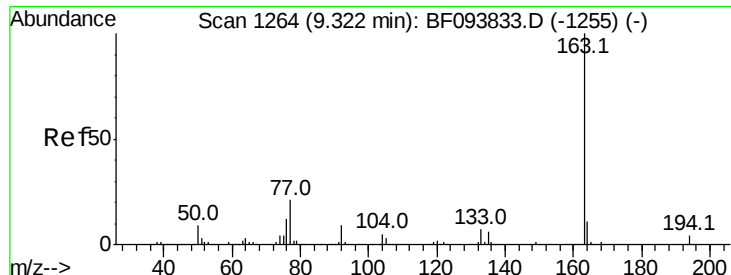
#44
 2-Fluorobiphenyl
 Concen: 24.69 ng
 RT: 8.71 min Scan# 1160
 Delta R.T. -0.02 min
 Lab File: BF094140.D
 Acq: 4 Apr 2017 00:07

Tgt Ion:172 Resp: 318392
 Ion Ratio Lower Upper
 172 100
 171 35.1 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

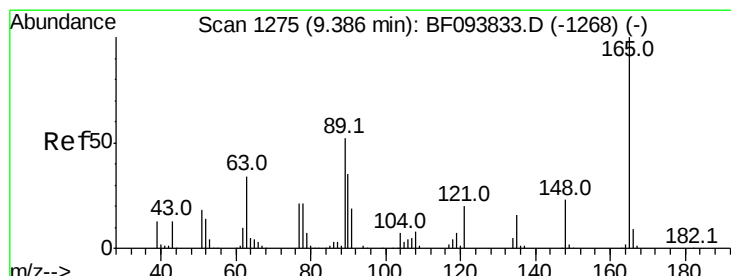
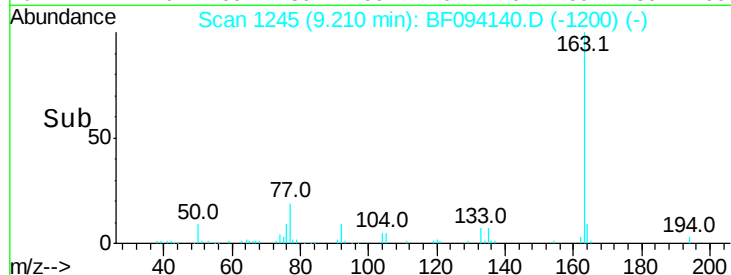
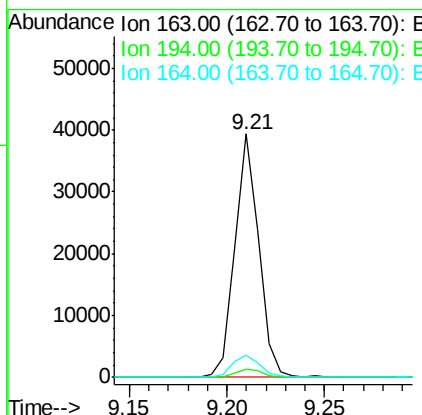
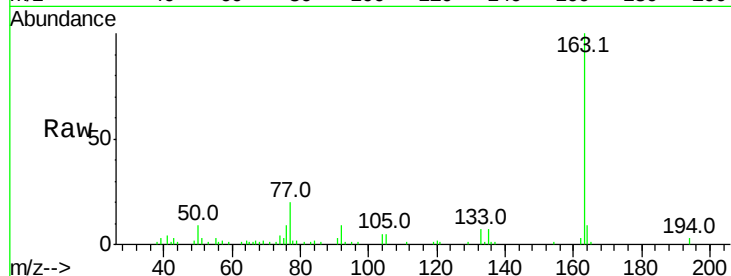




#49
Dimethylphthalate
Concen: 2.39 ng
RT: 9.21 min Scan# 1245
Delta R.T. -0.04 min
Lab File: BF094140.D
Acq: 4 Apr 2017 00:07

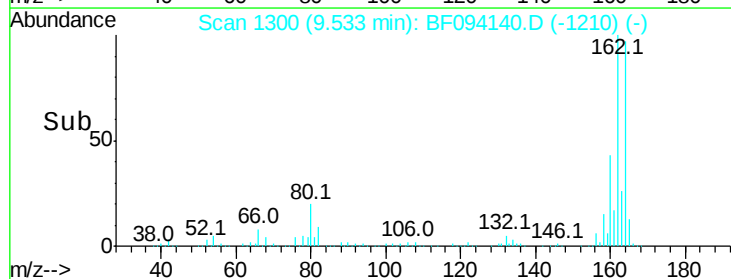
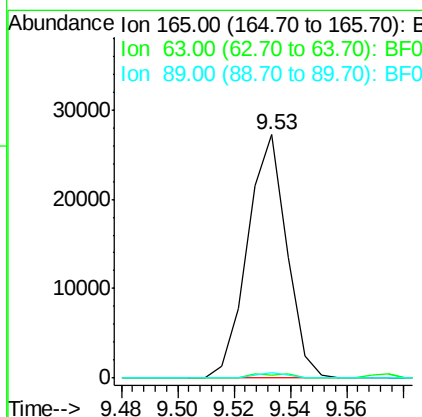
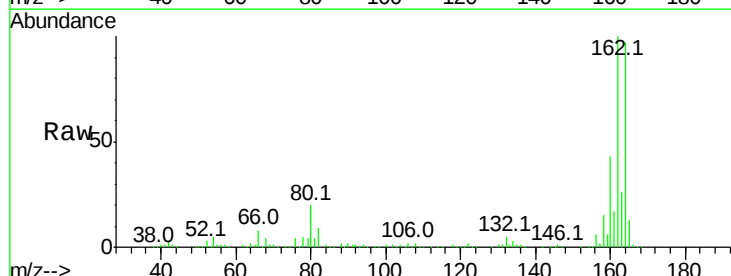
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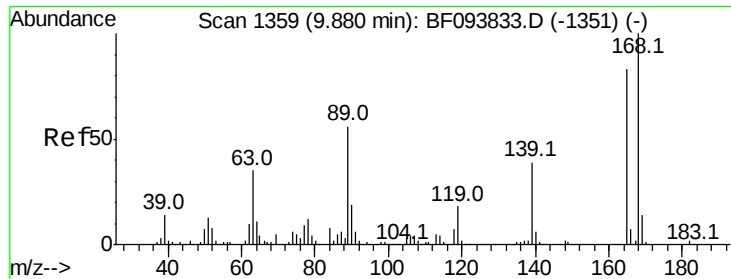
Tot Ion:163 Resp: 33431
Ion Ratio Lower Upper
163 100
194 3.3 2.6 4.0
164 8.9 8.4 12.6



#50
2,6-Dinitrotoluene
Concen: 8.17 ng
RT: 9.53 min Scan# 1300
Delta R.T. 0.23 min
Lab File: BF094140.D
Acq: 4 Apr 2017 00:07

Tgt Ion:165 Resp: 26176
Ion Ratio Lower Upper
165 100
63 1.4 34.3 51.5#
89 2.3 37.1 55.7#

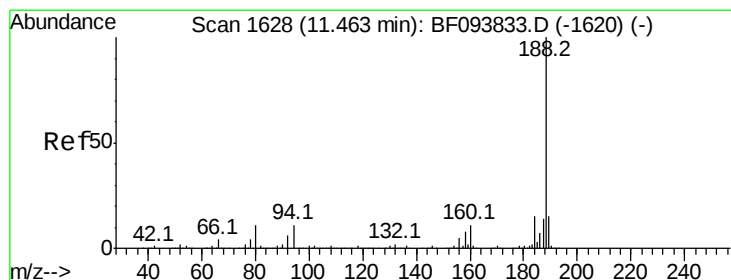
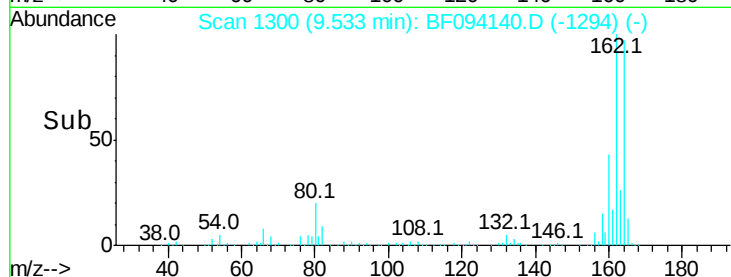
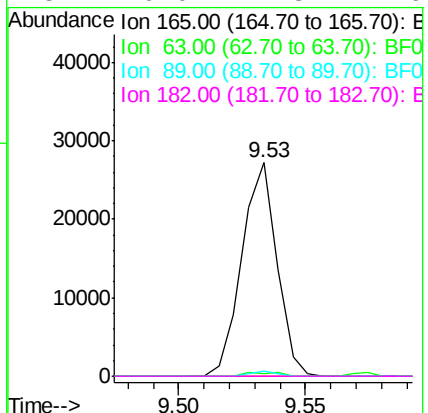
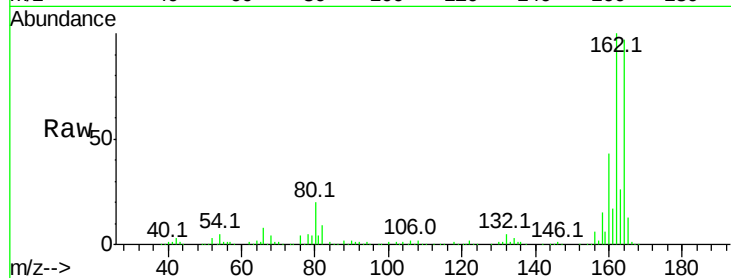




#56
 2,4-Dinitrotoluene
 Concen: 6.50 ng
 RT: 9.53 min Scan# 1300
 Delta R.T. -0.26 min
 Lab File: BF094140.D
 Acq: 4 Apr 2017 00:07

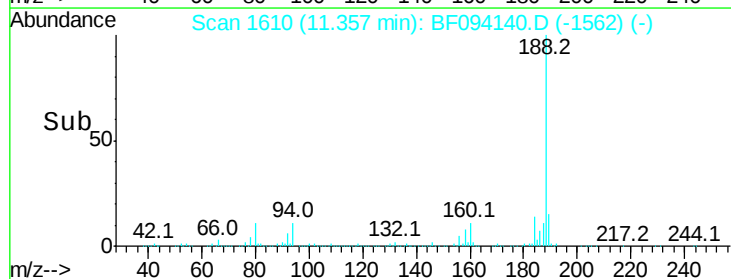
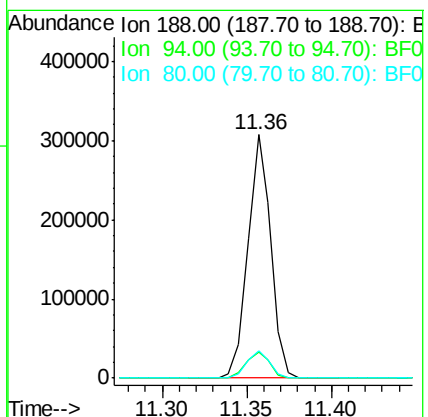
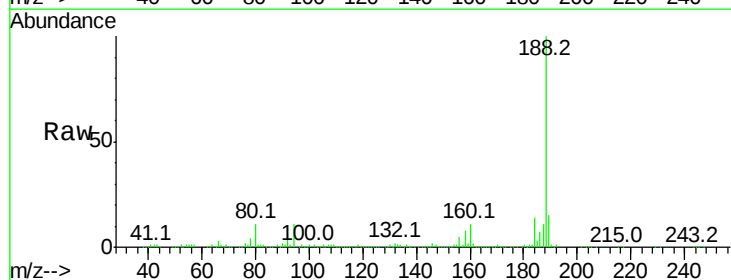
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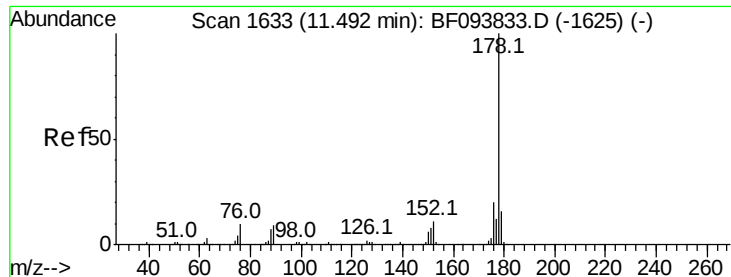
Tot Ion:	165	Resp:	26177
Ion	Ratio	Lower	Upper
165	100		
63	1.4	25.4	38.0#
89	2.3	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.36 min Scan# 1610
 Delta R.T. -0.02 min
 Lab File: BF094140.D
 Acq: 4 Apr 2017 00:07

Tgt Ion:	188	Resp:	290744
Ion	Ratio	Lower	Upper
188	100		
94	10.9	9.4	14.2
80	11.3	10.2	15.2





#70

Phenanthrene

Concen: 4.39 ng

RT: 11.39 min Scan# 1615

Delta R.T. -0.02 min

Lab File: BF094140.D

Acq: 4 Apr 2017 00:07

Instrument :

BNA_F

ClientSampleId :

LSS-SP11-COMP

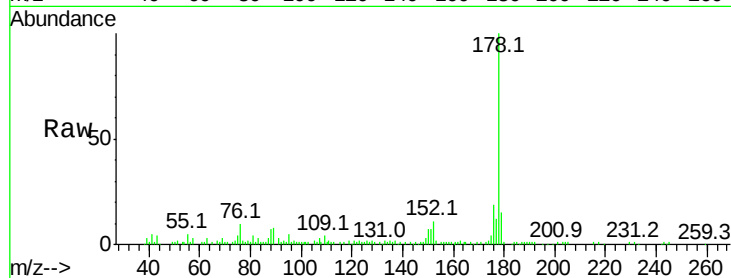
Tot Ion:178 Resp: 71041

Ion Ratio Lower Upper

178 100

176 19.4 16.2 24.4

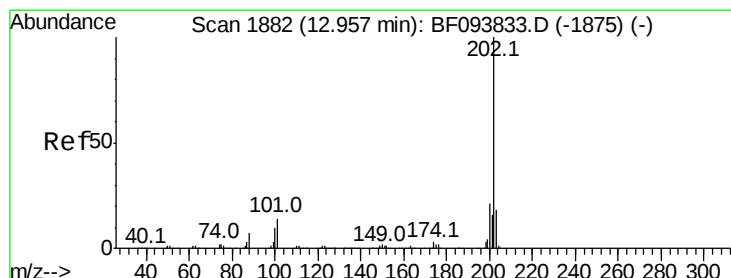
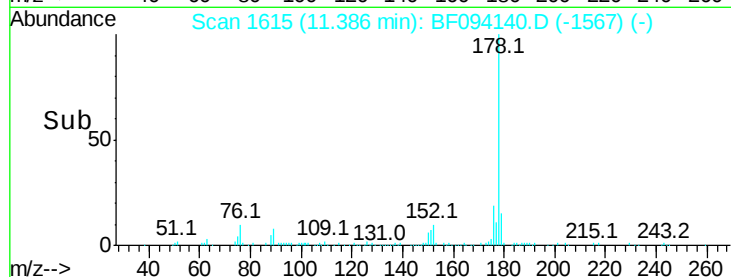
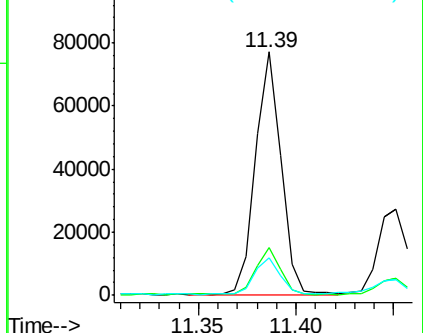
179 15.4 12.6 19.0



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: 8.87 ng

RT: 12.85 min Scan# 1864

Delta R.T. -0.02 min

Lab File: BF094140.D

Acq: 4 Apr 2017 00:07

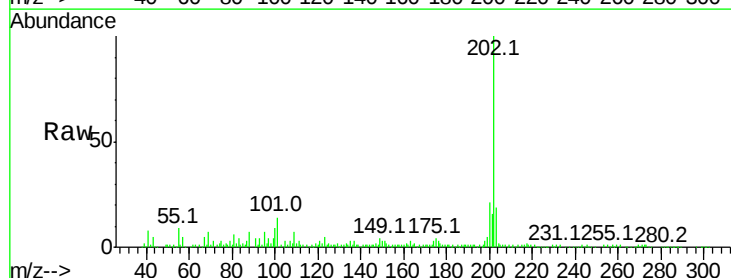
Tgt Ion:202 Resp: 146873

Ion Ratio Lower Upper

202 100

101 13.9 0.0 33.2

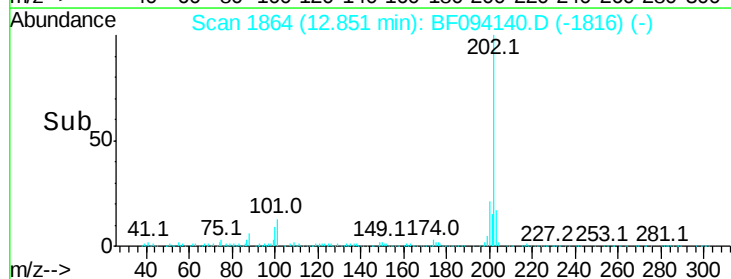
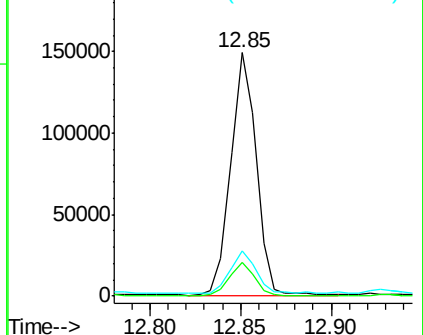
203 18.6 0.0 38.1

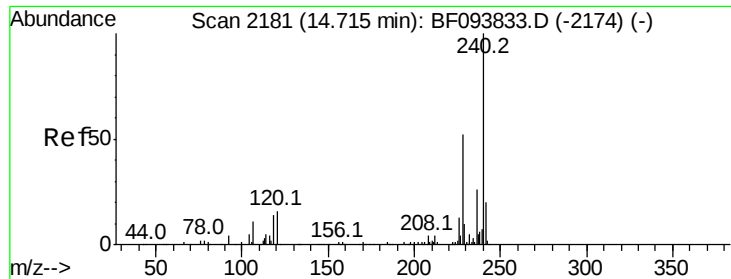


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF094140.D

Acq: 4 Apr 2017 00:07

Instrument :

BNA_F

ClientSampleId :

LSS-SP11-COMP

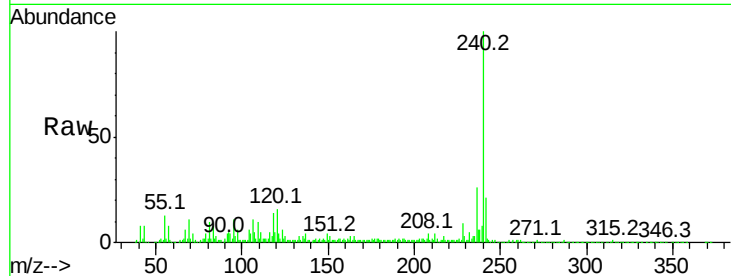
Tot Ion:240 Resp: 239456

Ion Ratio Lower Upper

240 100

120 15.8 5.8 8.8#

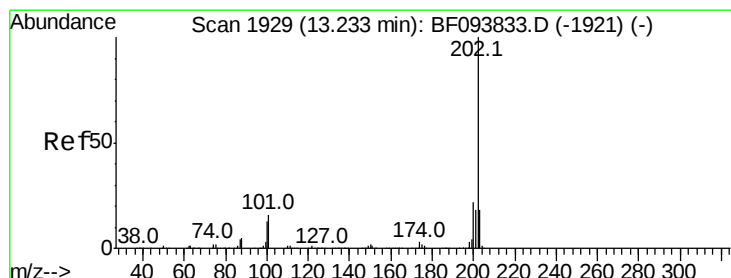
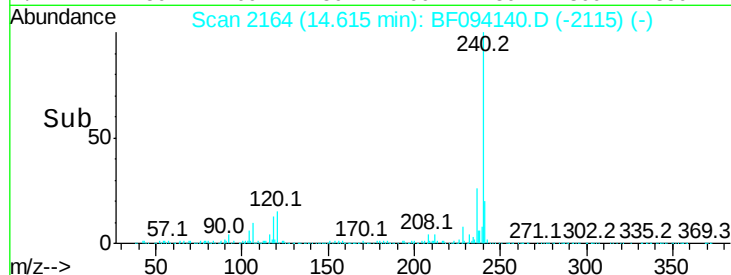
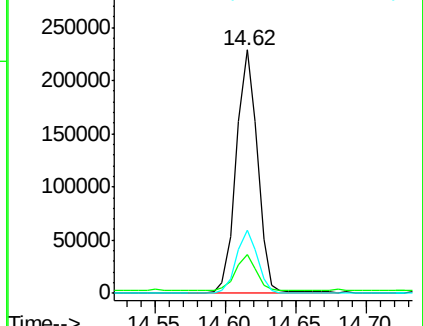
236 26.1 20.5 30.7



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

Pyrene

Concen: 8.31 ng

RT: 13.13 min Scan# 1911

Delta R.T. -0.02 min

Lab File: BF094140.D

Acq: 4 Apr 2017 00:07

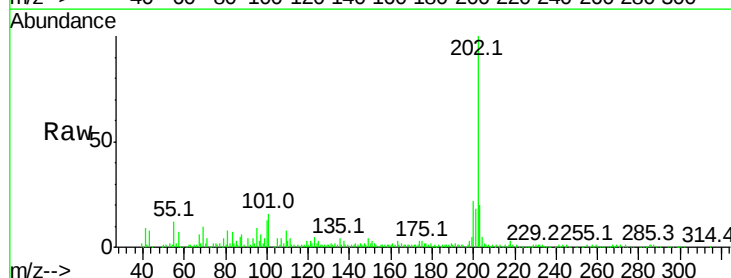
Tgt Ion:202 Resp: 144413

Ion Ratio Lower Upper

202 100

200 21.8 17.6 26.4

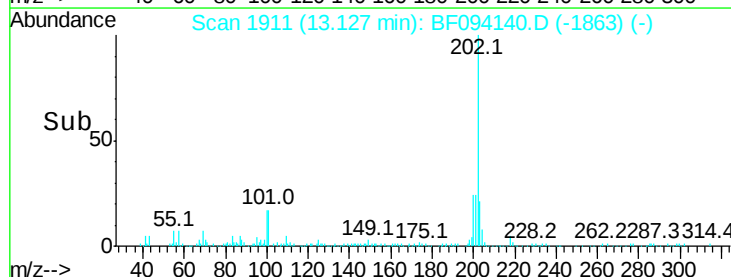
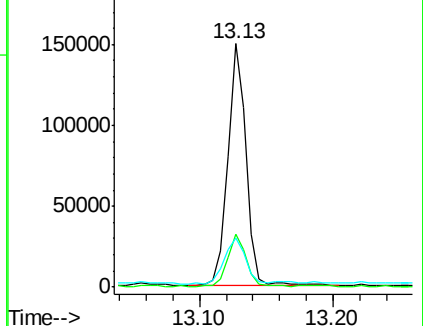
203 20.2 14.4 21.6

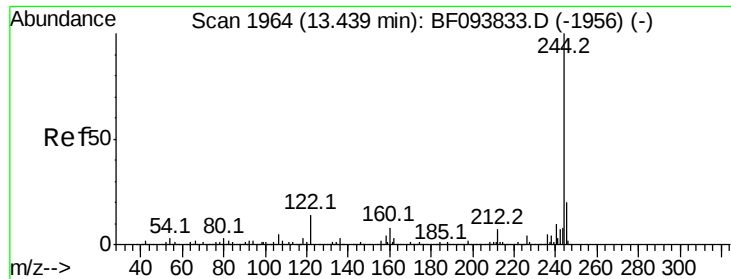


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

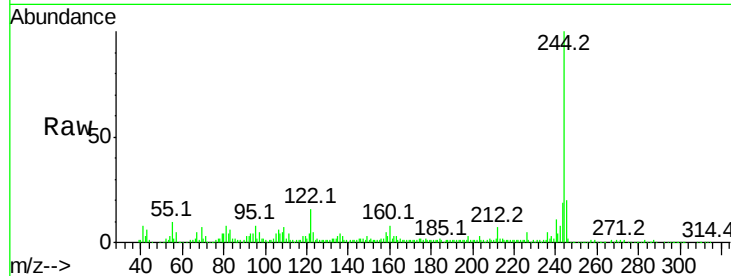




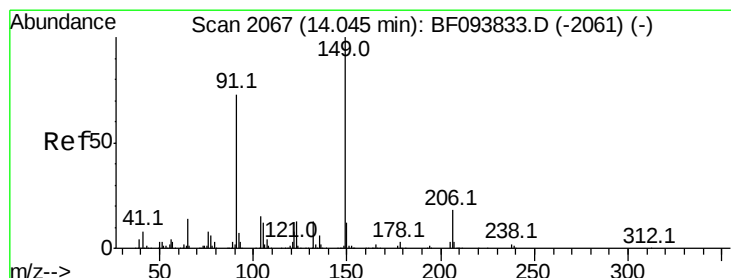
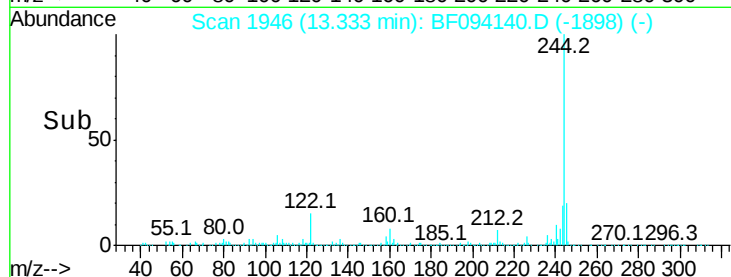
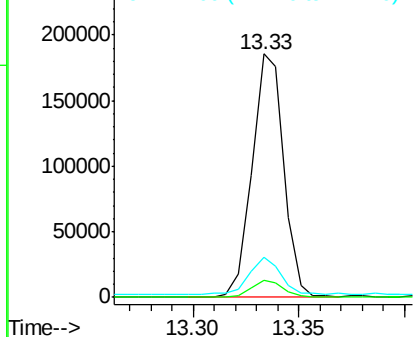
#78
 Terphenyl-d14
 Concen: 17.96 ng
 RT: 13.33 min Scan# 1946
 Delta R.T. -0.02 min
 Lab File: BF094140.D
 Acq: 4 Apr 2017 00:07

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SP11-COMP

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	16.2	10.3	15.5#

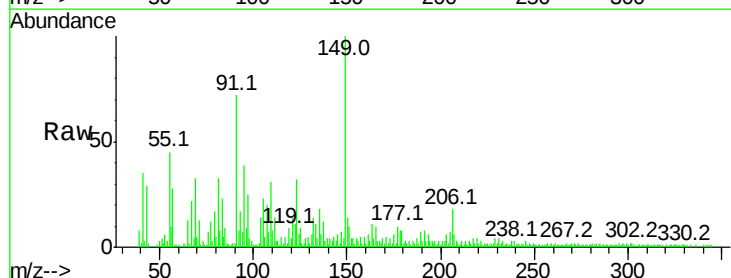


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

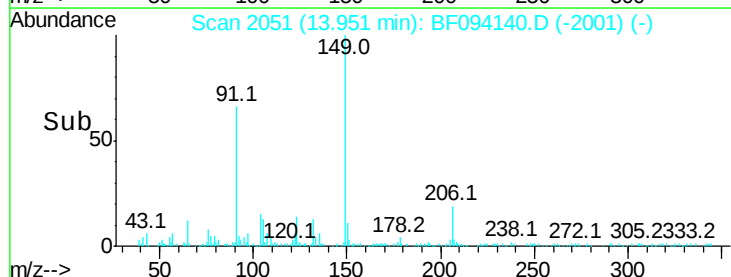
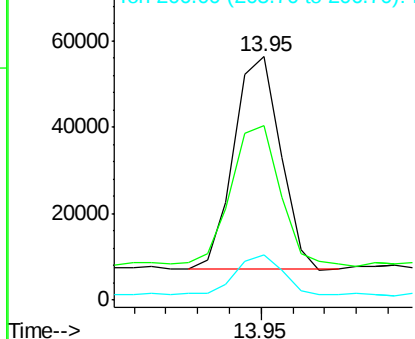


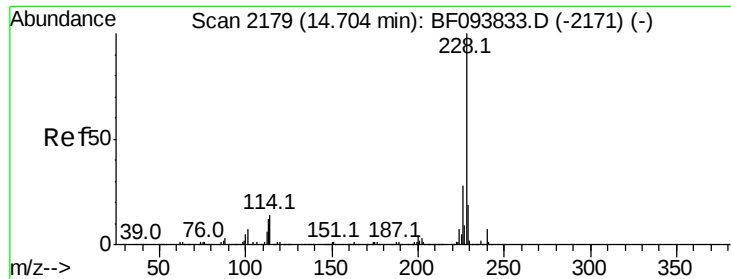
#79
 Butylbenzylphthalate
 Concen: 6.79 ng
 RT: 13.95 min Scan# 2051
 Delta R.T. -0.01 min
 Lab File: BF094140.D
 Acq: 4 Apr 2017 00:07

Tgt Ion	Ratio	Lower	Upper
149	100		
91	71.7	45.0	67.4#
206	18.3	17.0	25.6



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 91.00 (90.70 to 91.70): BF0
 Ion 206.00 (205.70 to 206.70): E

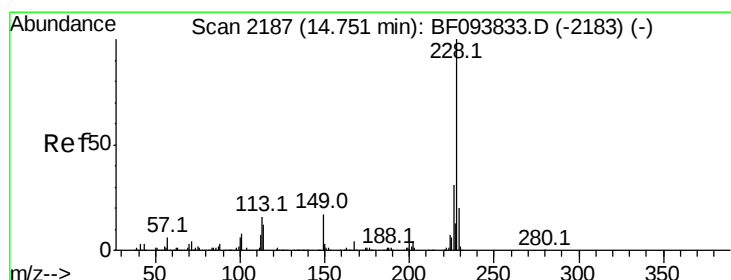
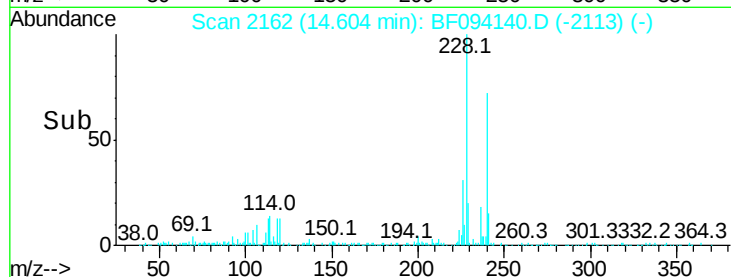
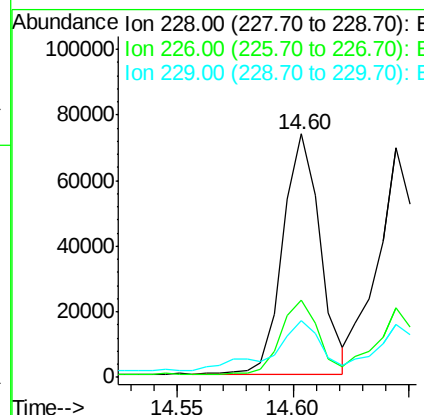
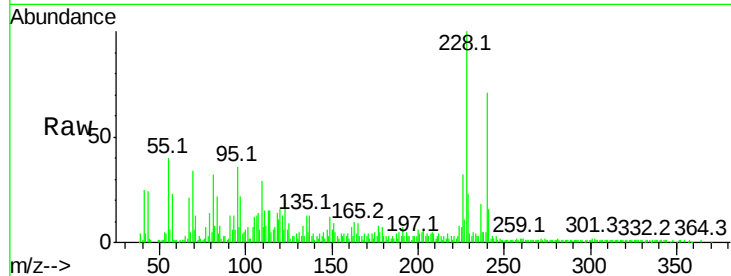




#80
Benzo(a)anthracene
Concen: 5.87 ng
RT: 14.60 min Scan# 2162
Delta R.T. -0.01 min
Lab File: BF094140.D
Acq: 4 Apr 2017 00:07

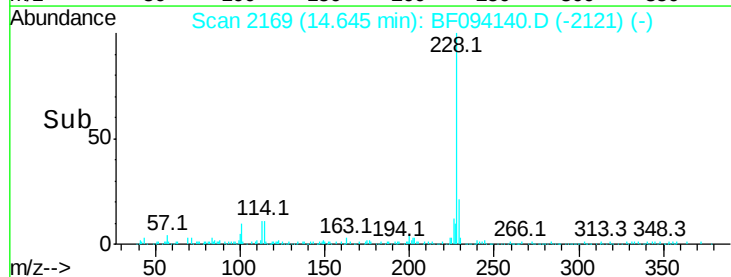
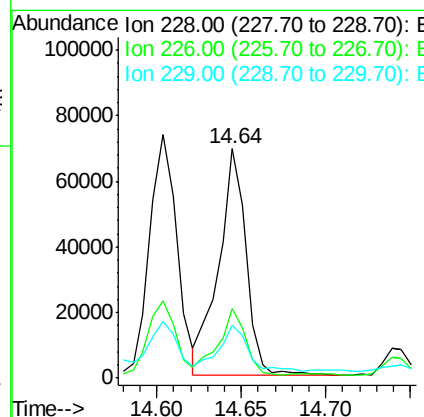
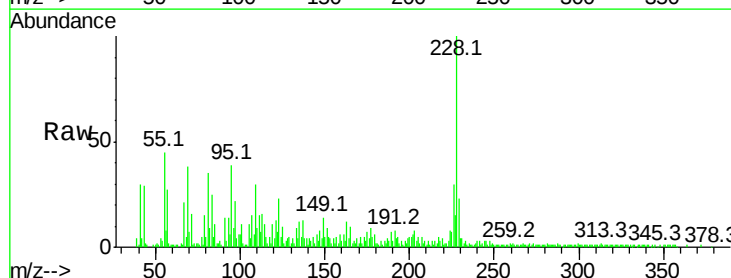
Instrument :
BNA_F
ClientSampleId :
LSS-SP11-COMP

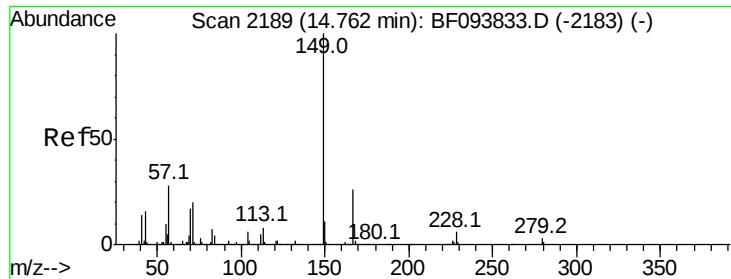
Tot Ion	Ratio	Lower	Upper
228	100		
226	31.8	22.6	33.8
229	23.1	16.3	24.5



#82
Chrysene
Concen: 6.06 ng
RT: 14.64 min Scan# 2169
Delta R.T. -0.02 min
Lab File: BF094140.D
Acq: 4 Apr 2017 00:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.9	37.3
229	22.9	15.8	23.6

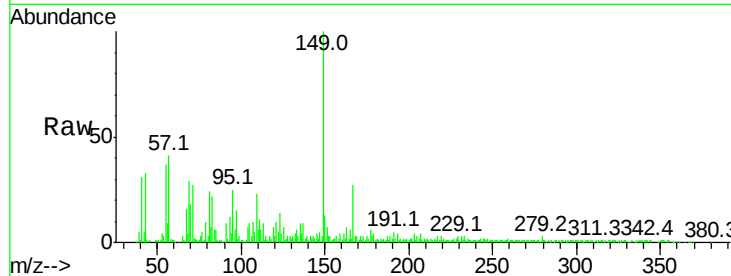




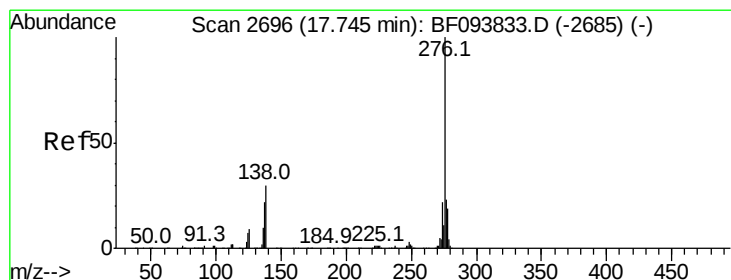
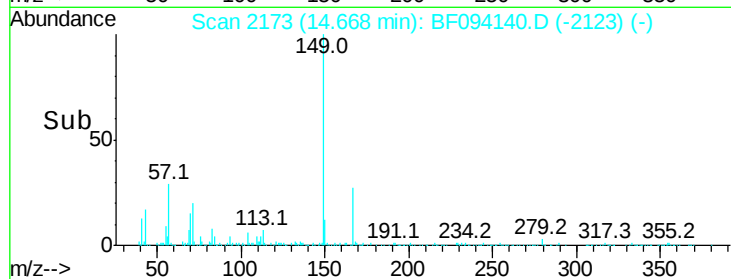
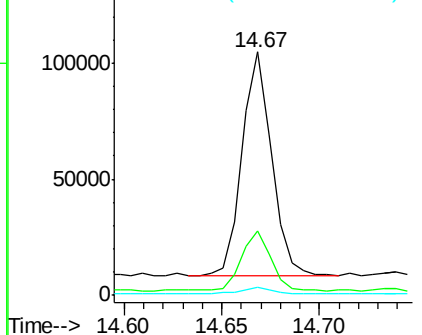
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 10.12 ng
 RT: 14.67 min Scan# 2173
 Delta R.T. -0.01 min
 Lab File: BF094140.D
 Acq: 4 Apr 2017 00:07

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SP11-COMP

Tot Ion	Ratio	Lower	Upper
149	100		
167	26.5	21.0	31.4
279	3.3	1.9	2.9#

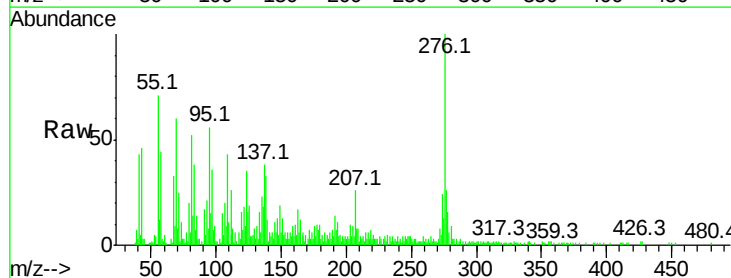


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

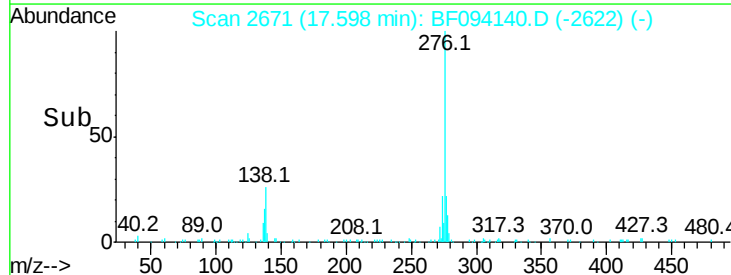
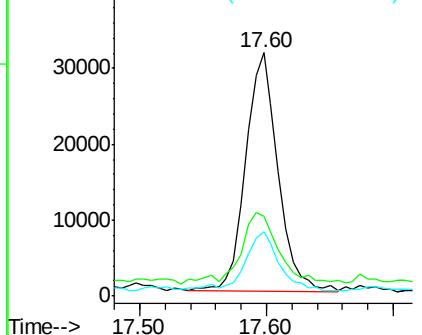


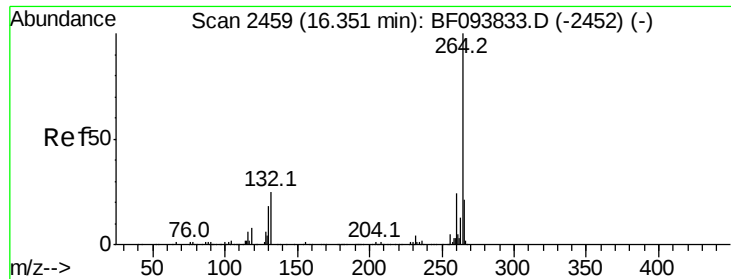
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.97 ng
 RT: 17.60 min Scan# 2671
 Delta R.T. -0.01 min
 Lab File: BF094140.D
 Acq: 4 Apr 2017 00:07

Tgt Ion	Ratio	Lower	Upper
276	100		
138	35.0	27.8	41.6
277	25.0	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

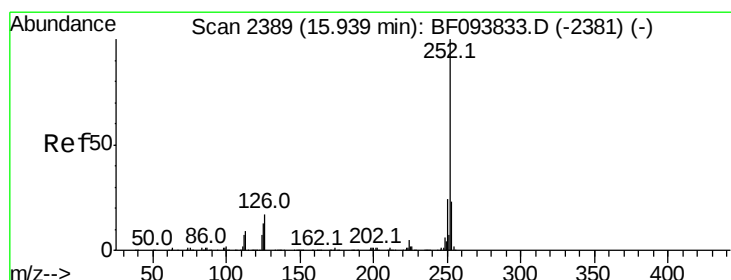
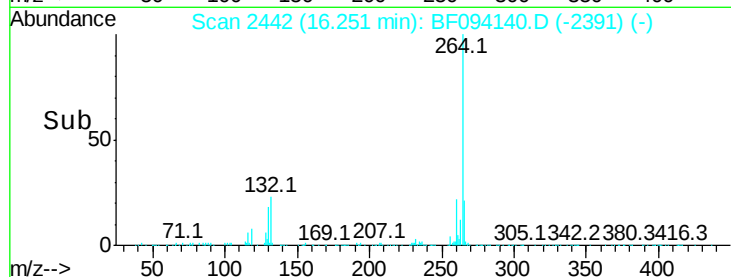
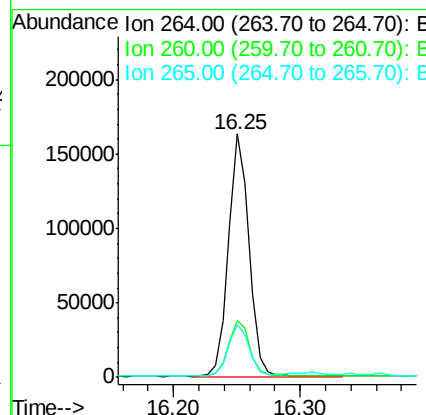
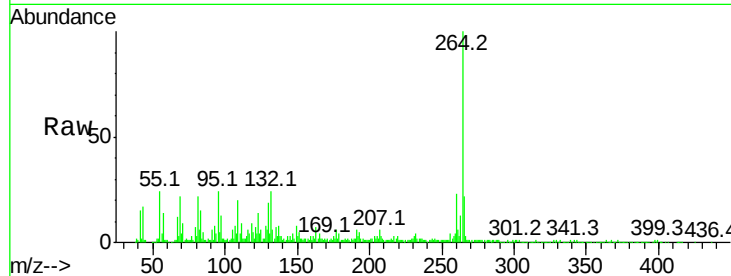




#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.25 min Scan# 2442
Delta R.T. -0.00 min
Lab File: BF094140.D
Acq: 4 Apr 2017 00:07

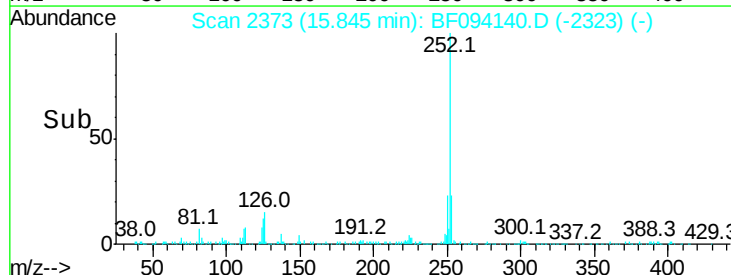
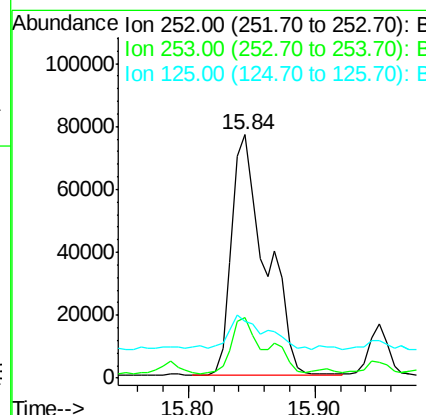
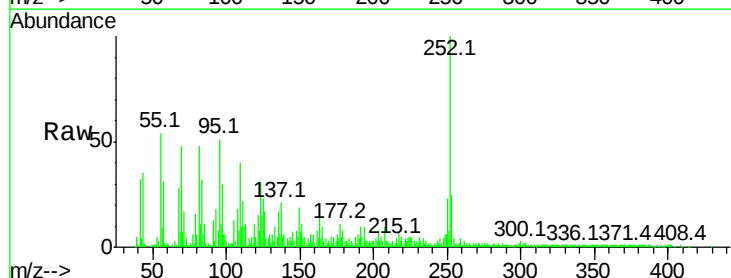
Instrument :
BNA_F
ClientSampleId :
LSS-SP11-COMP

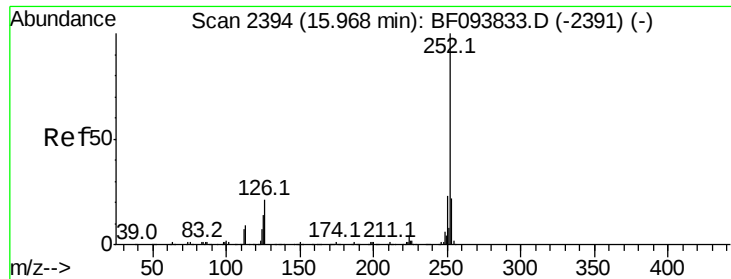
Tot Ion:264 Resp: 183872
Ion Ratio Lower Upper
264 100
260 23.1 19.5 29.3
265 21.7 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 12.71 ng
RT: 15.84 min Scan# 2373
Delta R.T. -0.01 min
Lab File: BF094140.D
Acq: 4 Apr 2017 00:07

Tgt Ion:252 Resp: 143215
Ion Ratio Lower Upper
252 100
253 24.6 18.1 27.1
125 23.4 9.8 14.8#

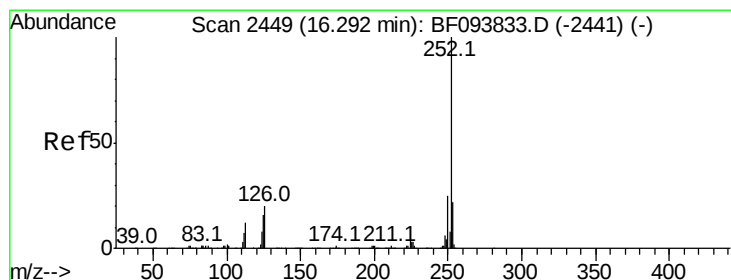
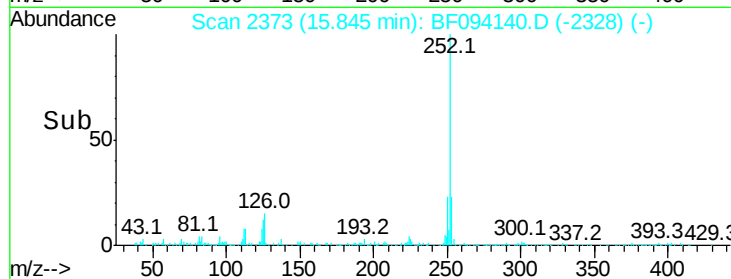
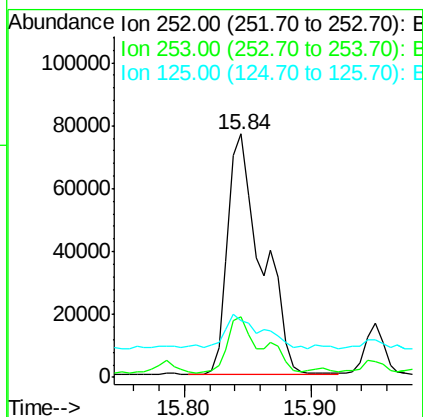
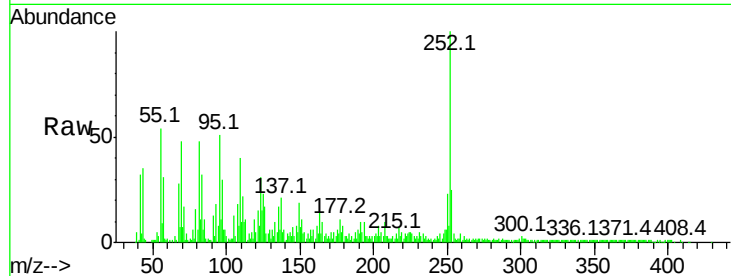




#88
Benzo(k)fluoranthene
Concen: 12.99 ng
RT: 15.84 min Scan# 2373
Delta R.T. -0.04 min
Lab File: BF094140.D
Acq: 4 Apr 2017 00:07

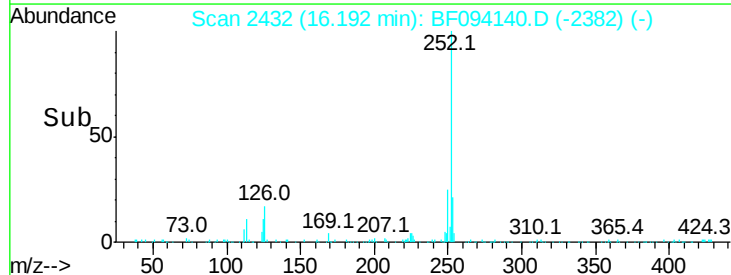
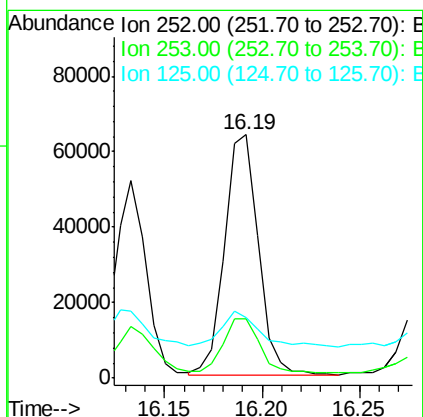
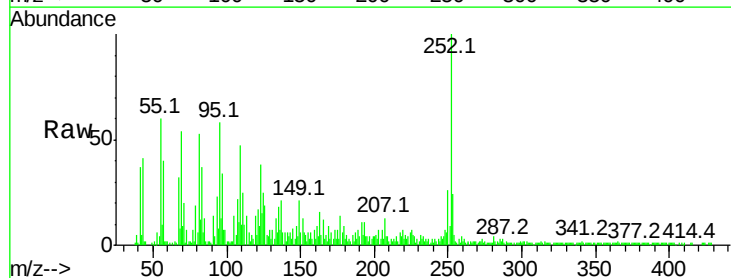
Instrument :
BNA_F
ClientSampleId :
LSS-SP11-COMP

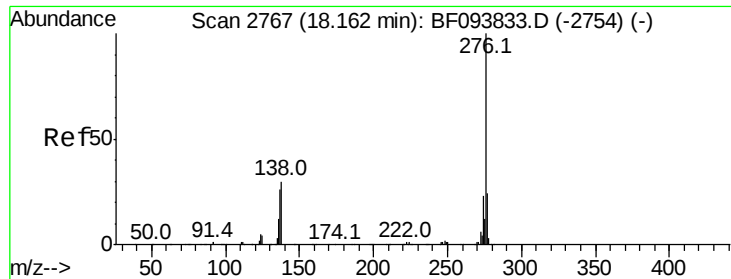
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.4	27.6
125	23.4	13.1	19.7



#89
Benzo(a)pyrene
Concen: 7.32 ng
RT: 16.19 min Scan# 2432
Delta R.T. -0.01 min
Lab File: BF094140.D
Acq: 4 Apr 2017 00:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.5	26.3
125	24.9	11.0	16.4





#91
 Benzo(a,h,i)perylene
 Concen: 7.93 ng
 RT: 18.00 min Scan# 2739
 Delta R.T. -0.01 min
 Lab File: BF094140.D
 Acq: 4 Apr 2017 00:07

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SP11-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.3	18.6	28.0
138	31.7	25.4	38.0

