

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040317\
 Data File : BF094142.D
 Acq On : 4 Apr 2017 1:03
 Operator : SJ/MA
 Sample : I2495-06 5X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SP03-COMP

Quant Time: Apr 04 02:29:35 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

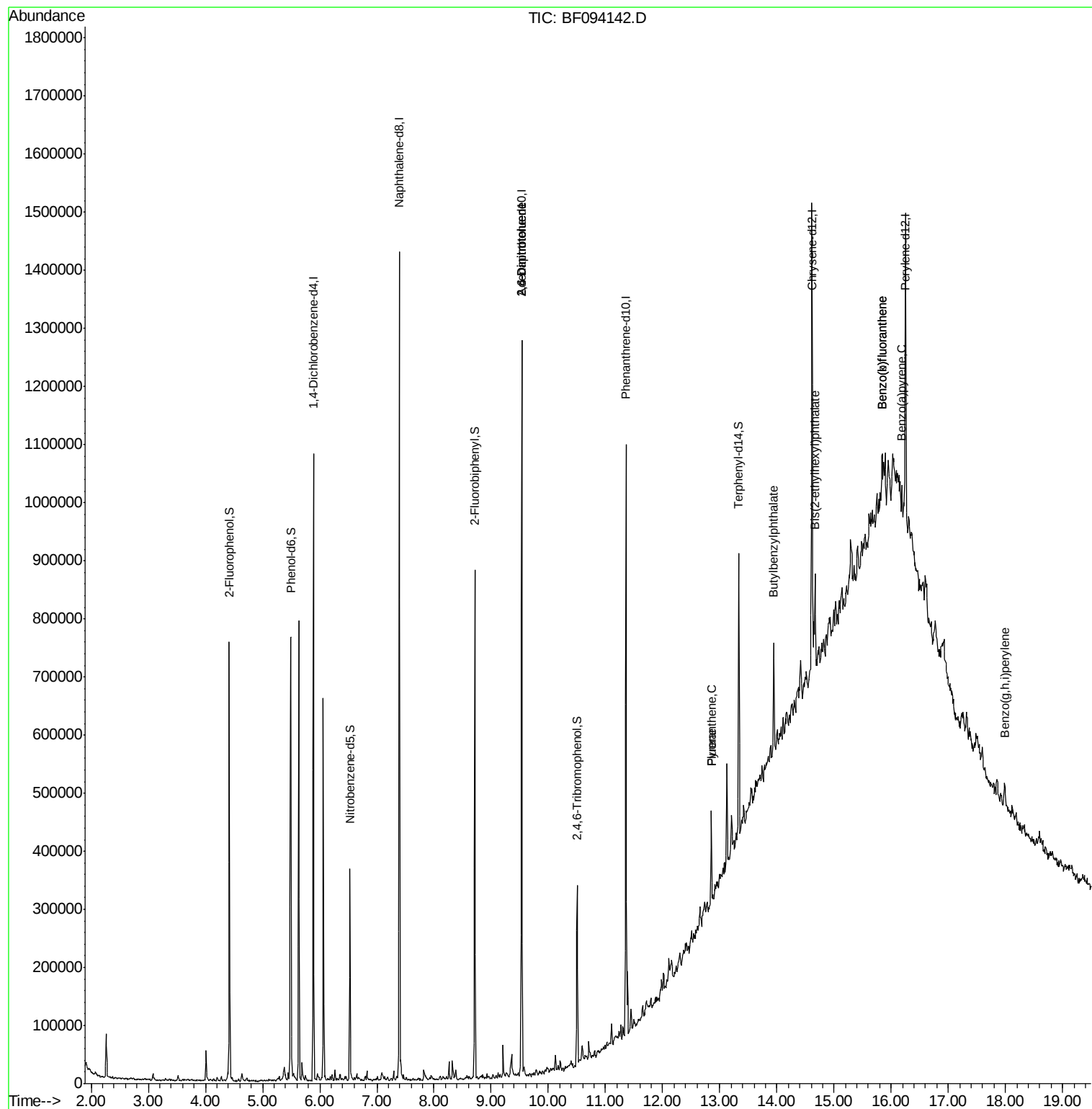
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.89	152	170527	20.00	ng	-0.02
21) Naphthalene-d8	7.39	136	647273	20.00	ng	-0.02
38) Acenaphthene-d10	9.53	164	262217	20.00	ng	-0.02
63) Phenanthrene-d10	11.36	188	390715	20.00	ng	-0.02
75) Chrysene-d12	14.62	240	313870	20.00	ng	-0.01
86) Perylene-d12	16.25	264	230469	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.42	112	211895	20.99	ng	-0.02
7) Phenol-d6	5.49	99	258792	20.72	ng	-0.02
23) Nitrobenzene-d5	6.53	82	114767	10.12	ng	-0.03
41) 2,4,6-Tribromophenol	10.50	330	32925	15.89	ng	-0.02
44) 2-Fluorobiphenyl	8.71	172	293194	17.05	ng	-0.02
78) Terphenyl-d14	13.33	244	167888	11.99	ng	-0.02
Target Compounds						
50) 2,6-Dinitrotoluene	9.53	165	33783	7.91	ng	# 33
56) 2,4-Dinitrotoluene	9.53	165	33924	6.32	ng	# 33
74) Fluoranthene	12.85	202	67235	3.02	ng	99
77) Pyrene	12.85	202	49374	2.17	ng	98
79) Butylbenzylphthalate	13.94	149	55445	5.71	ng	# 76
83) Bis(2-ethylhexyl)phthalate	14.67	149	64431	4.87	ng	# 98
87) Benzo(b)fluoranthene	15.84	252	58826	4.16	ng	# 71
88) Benzo(k)fluoranthene	15.84	252	58826	4.26	ng	# 74
89) Benzo(a)pyrene	16.19	252	28280	2.17	ng	# 64
91) Benzo(g,h,i)perylene	17.99	276	27849	2.51	ng	94

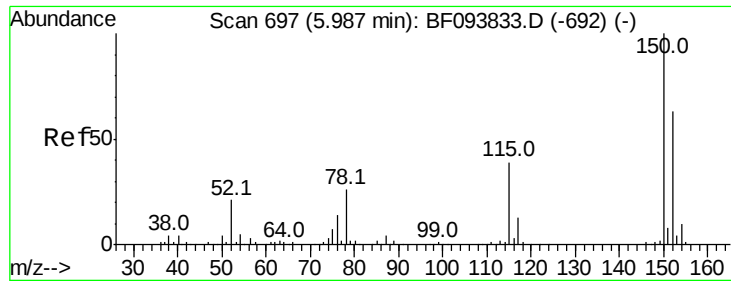
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF094142.D

Acq: 4 Apr 2017 1:03

Instrument :

BNA_F

ClientSampleId :

LSS-SP03-COMP

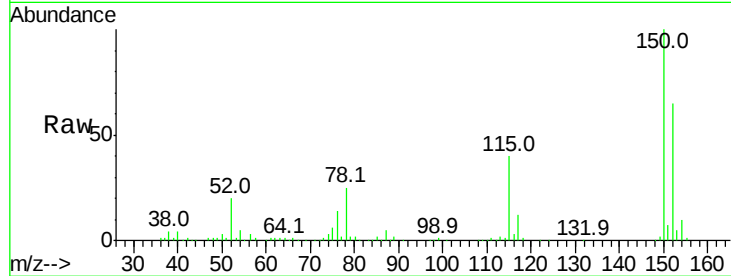
Tot Ion:152 Resp: 170527

Ion Ratio Lower Upper

152 100

150 153.4 126.2 189.2

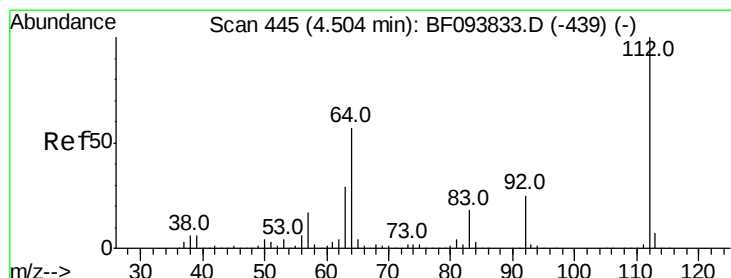
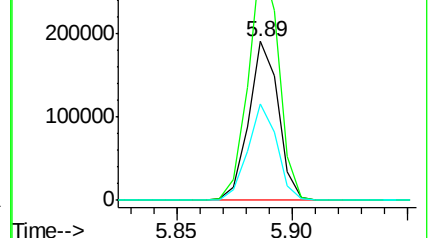
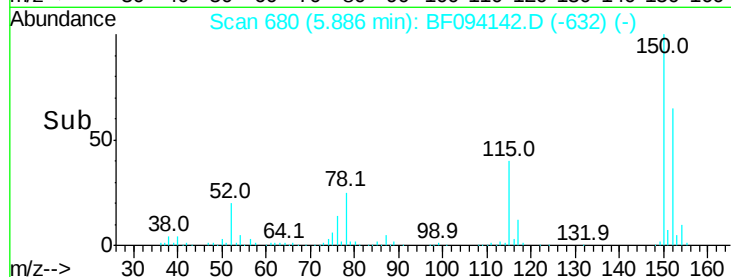
115 60.7 52.2 78.2



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: 20.99 ng

RT: 4.42 min Scan# 430

Delta R.T. -0.02 min

Lab File: BF094142.D

Acq: 4 Apr 2017 1:03

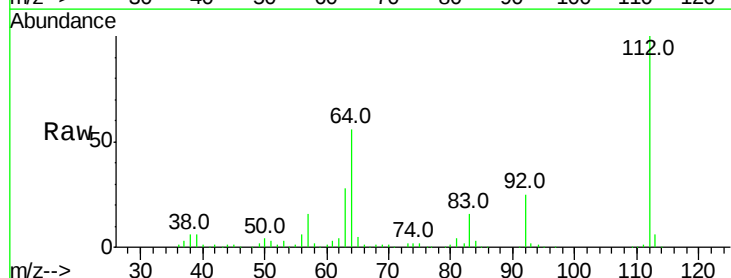
Tgt Ion:112 Resp: 211895

Ion Ratio Lower Upper

112 100

64 56.2 46.0 69.0

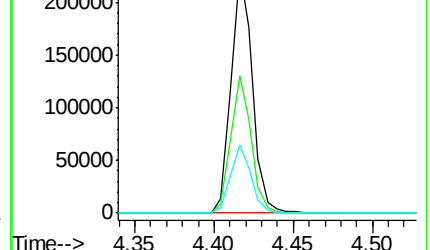
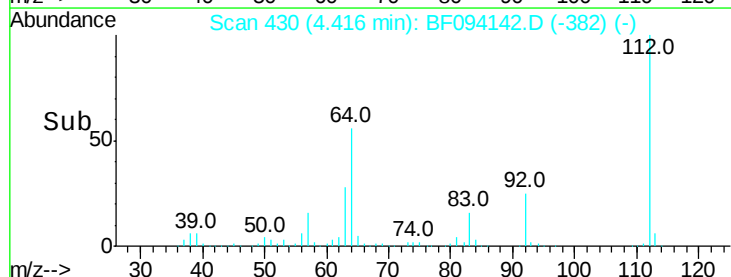
63 28.1 23.4 35.0

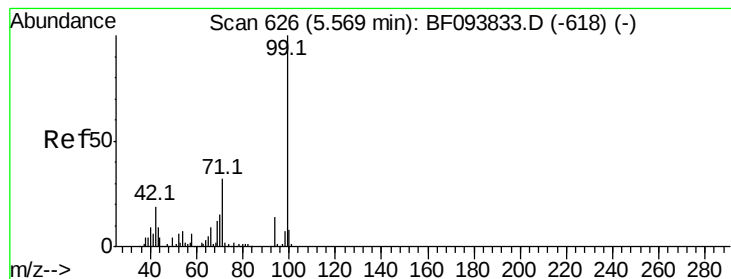


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 20.72 ng

RT: 5.49 min Scan# 613

Delta R.T. -0.02 min

Lab File: BF094142.D

Acq: 4 Apr 2017 1:03

Instrument :

BNA_F

ClientSampleId :

LSS-SP03-COMP

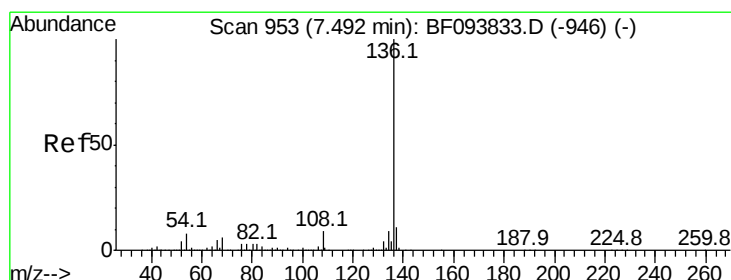
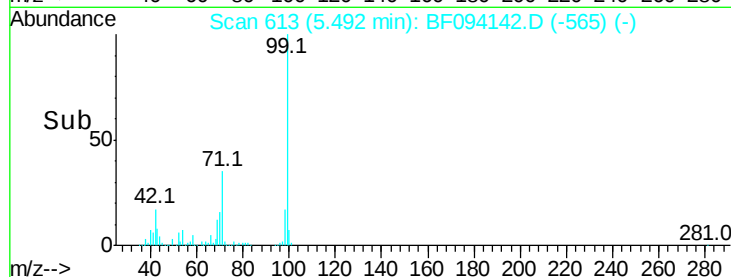
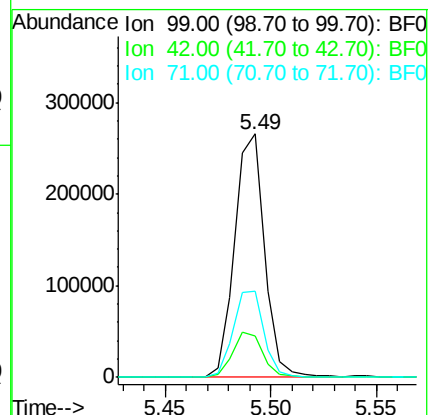
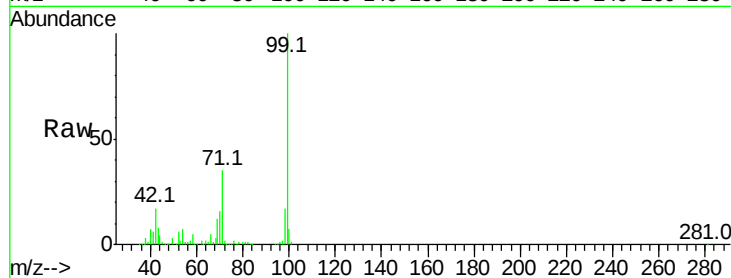
Tot Ion: 99 Resp: 258792

Ion Ratio Lower Upper

99 100

42 17.0 13.5 20.3

71 35.2 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: BF094142.D

Acq: 4 Apr 2017 1:03

Tgt Ion: 136 Resp: 647273

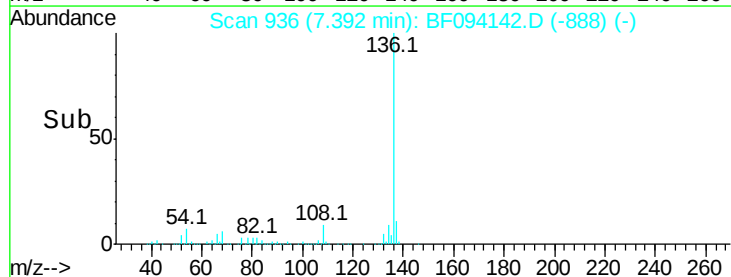
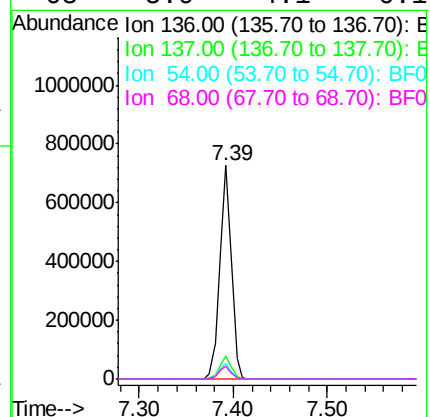
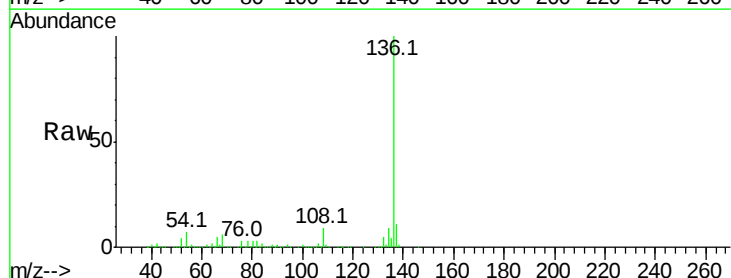
Ion Ratio Lower Upper

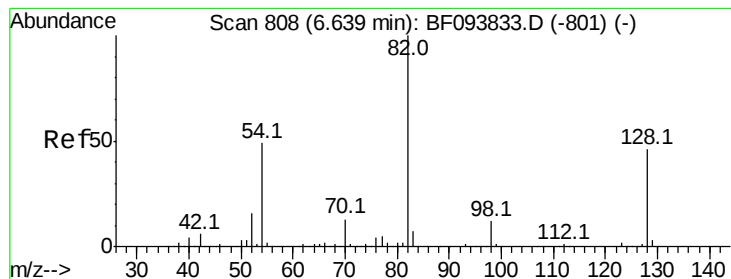
136 100

137 10.7 8.5 12.7

54 7.4 4.9 7.3#

68 5.9 4.1 6.1





#23

Nitrobenzene-d5

Concen: 10.12 ng

RT: 6.53 min Scan# 789

Delta R.T. -0.03 min

Lab File: BF094142.D

Acq: 4 Apr 2017 1:03

Instrument :

BNA_F

ClientSampleId :

LSS-SP03-COMP

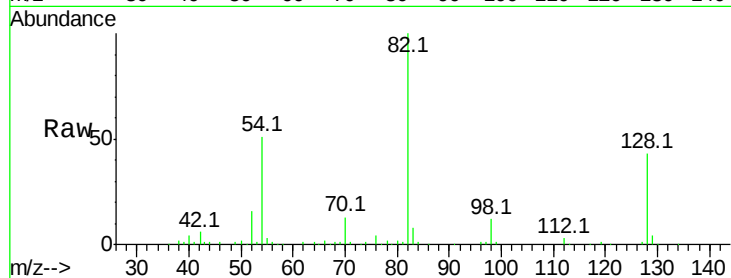
Tot Ion: 82 Resp: 114767

Ion Ratio Lower Upper

82 100

128 42.9 34.0 51.0

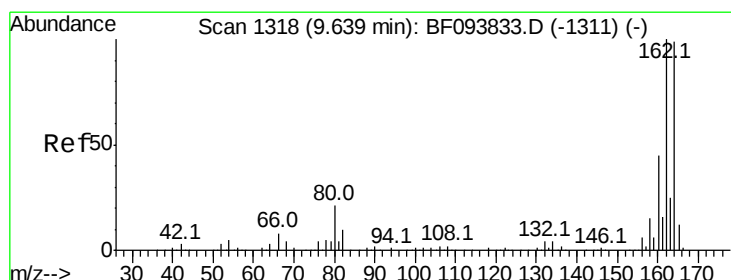
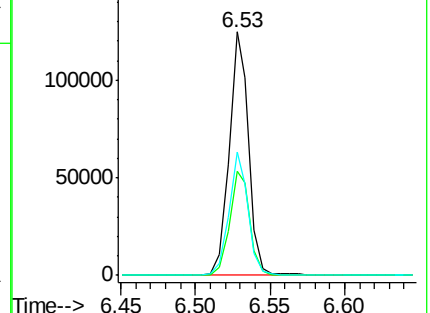
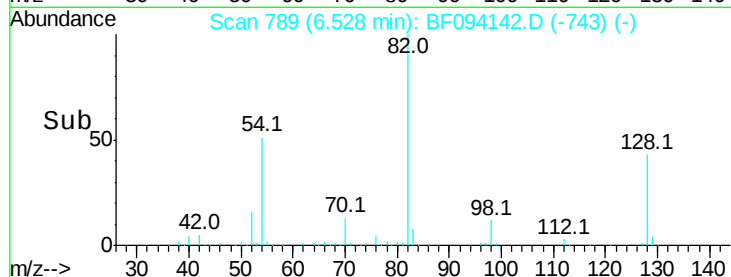
54 50.8 42.2 63.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.53 min Scan# 1300

Delta R.T. -0.02 min

Lab File: BF094142.D

Acq: 4 Apr 2017 1:03

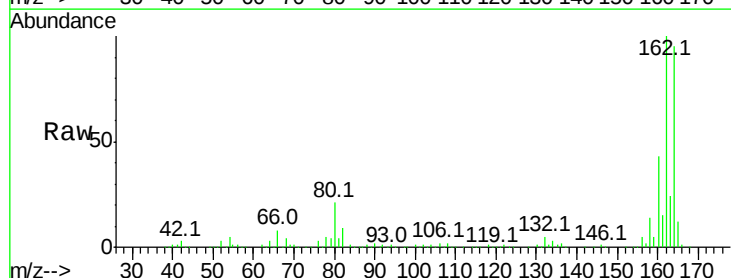
Tgt Ion:164 Resp: 262217

Ion Ratio Lower Upper

164 100

162 105.1 82.6 123.8

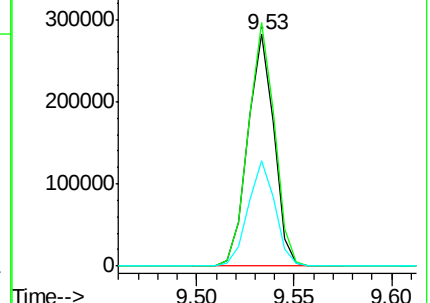
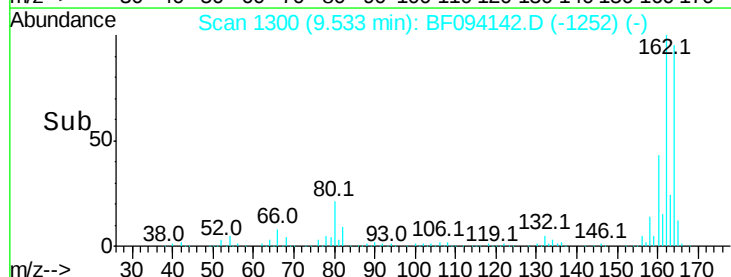
160 45.6 36.2 54.2

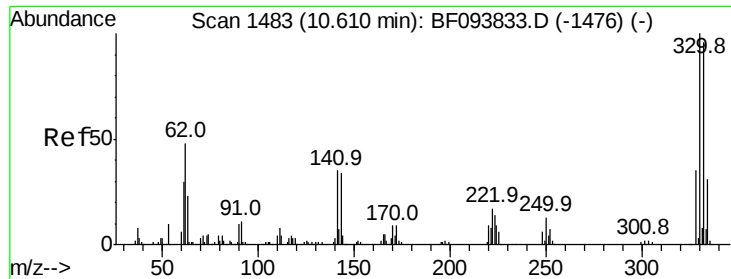


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

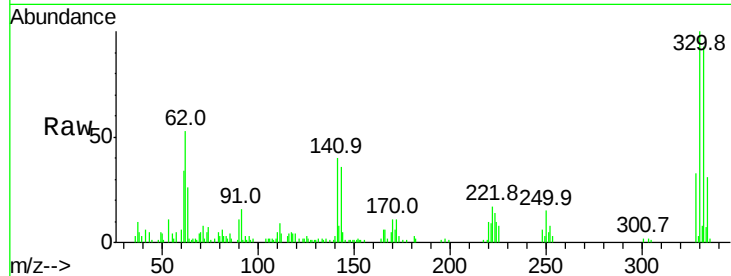




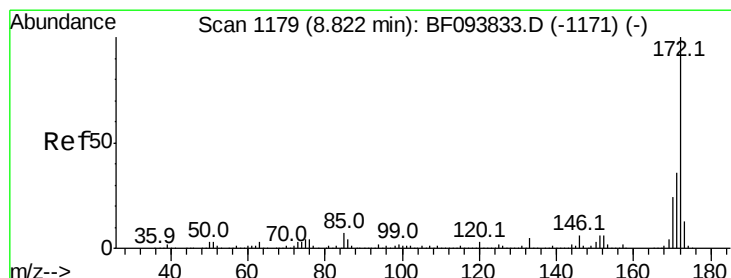
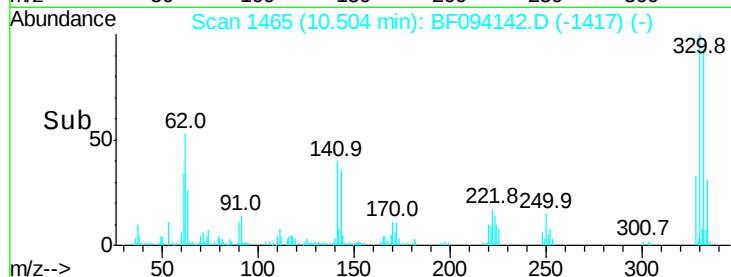
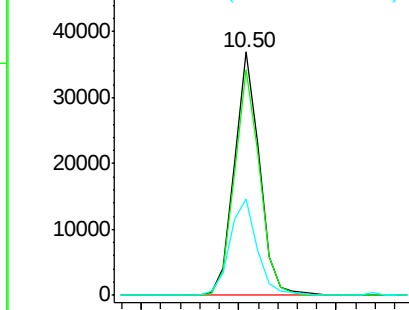
#41
 2,4,6-Tribromophenol
 Concen: 15.89 ng
 RT: 10.50 min Scan# 1465
 Delta R.T. -0.02 min
 Lab File: BF094142.D
 Acq: 4 Apr 2017 1:03

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SP03-COMP

Tot Ion	Ratio	Lower	Upper
330	100		
332	92.5	76.6	115.0
141	43.2	31.4	47.2

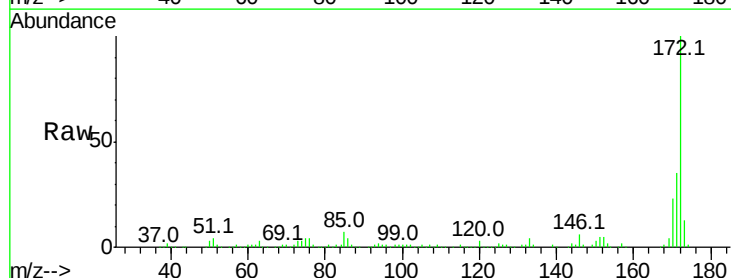


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

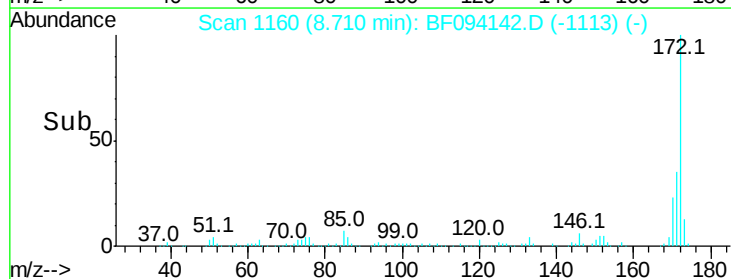
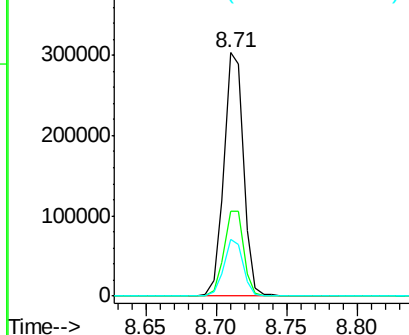


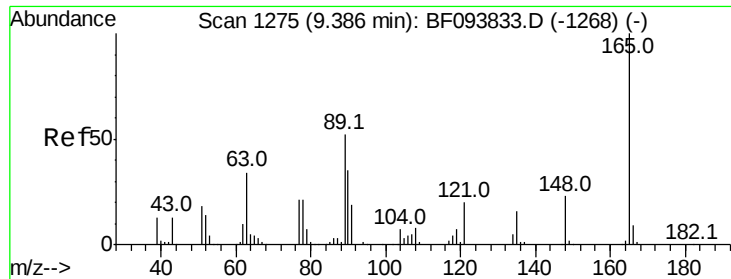
#44
 2-Fluorobiphenyl
 Concen: 17.05 ng
 RT: 8.71 min Scan# 1160
 Delta R.T. -0.02 min
 Lab File: BF094142.D
 Acq: 4 Apr 2017 1:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.6	44.4
170	23.5	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

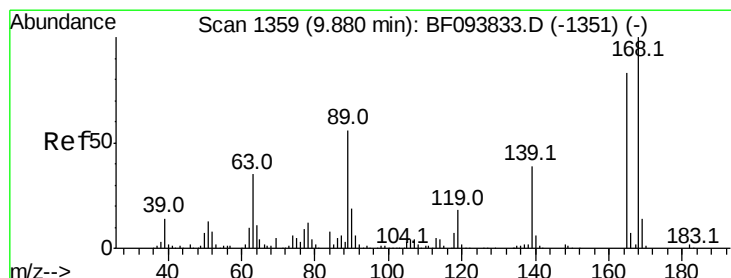
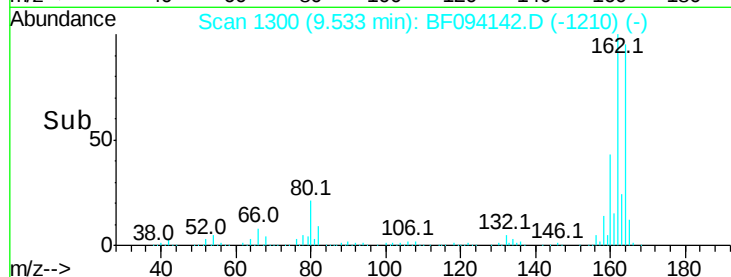
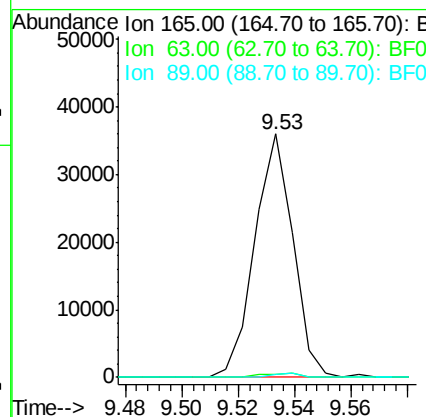
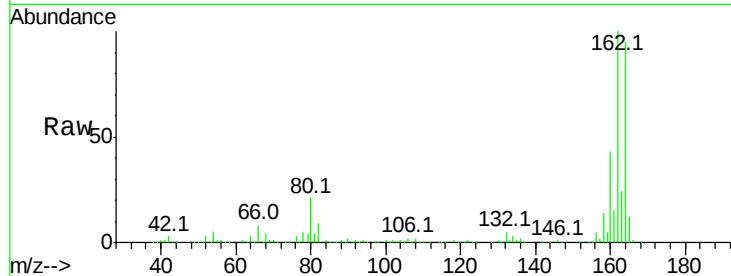




#50
 2,6-Dinitrotoluene
 Concen: 7.91 ng
 RT: 9.53 min Scan# 1300
 Delta R.T. 0.23 min
 Lab File: BF094142.D
 Acq: 4 Apr 2017 1:03

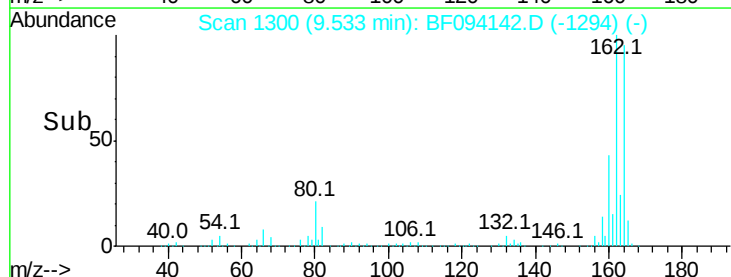
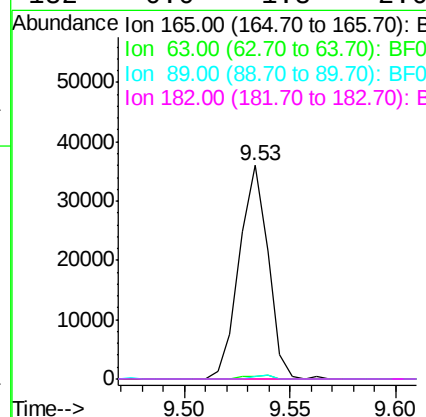
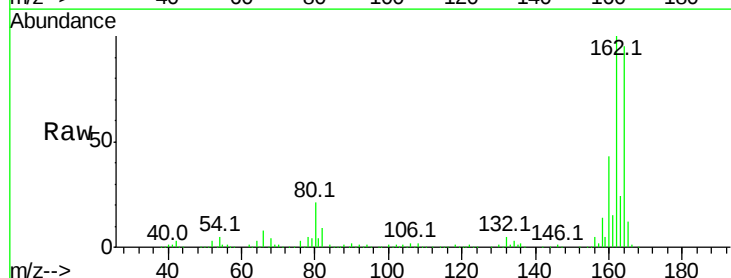
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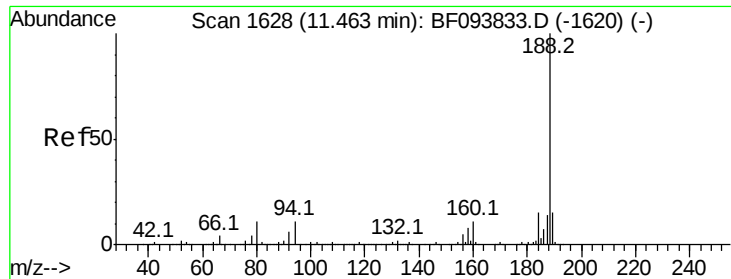
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	34.3	51.5#
89	1.2	37.1	55.7#



#56
 2,4-Dinitrotoluene
 Concen: 6.32 ng
 RT: 9.53 min Scan# 1300
 Delta R.T. -0.26 min
 Lab File: BF094142.D
 Acq: 4 Apr 2017 1:03

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	25.4	38.0#
89	1.2	46.4	69.6#
182	0.0	1.8	2.6#

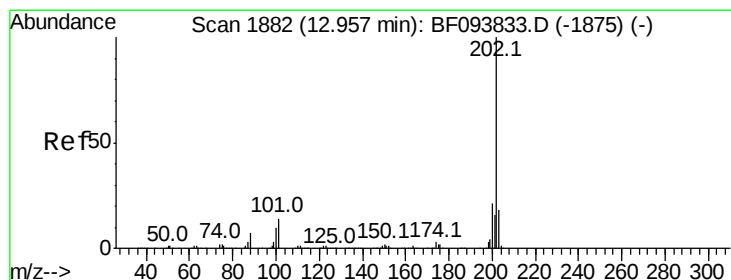
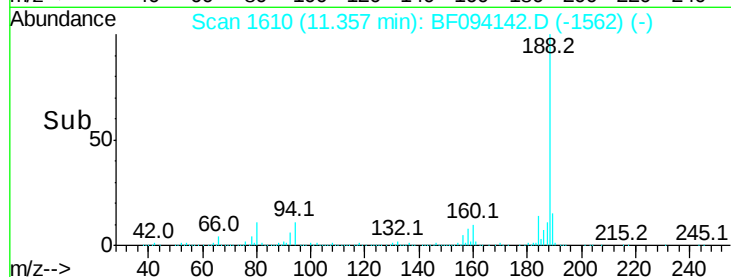
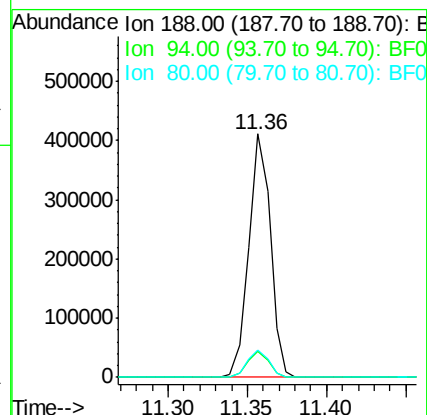
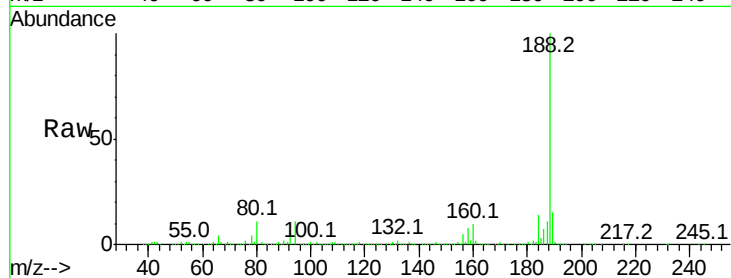




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 1610
Delta R.T. -0.02 min
Lab File: BF094142.D
Acq: 4 Apr 2017 1:03

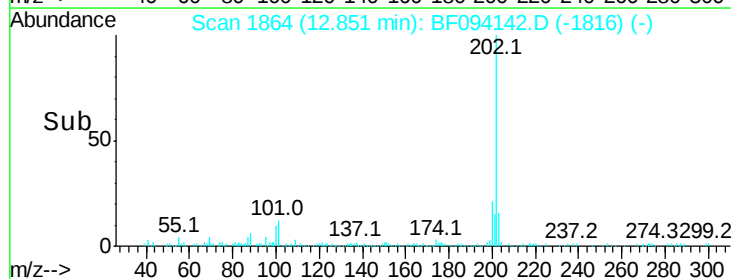
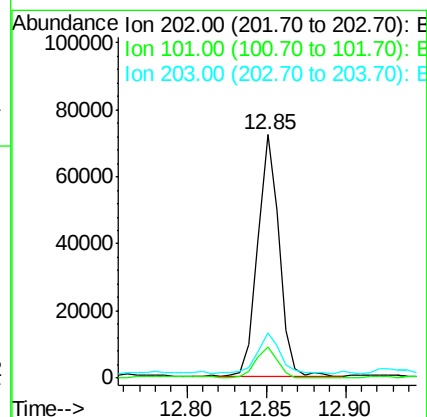
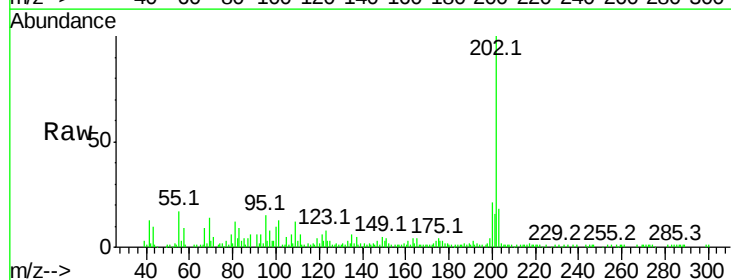
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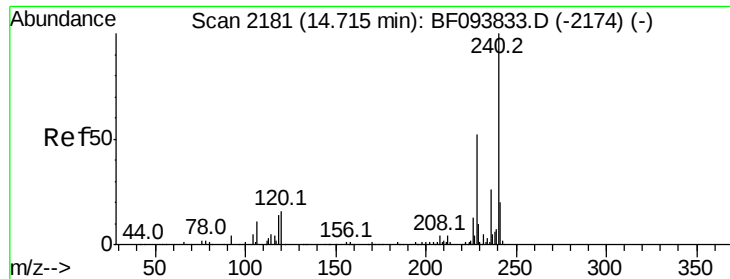
Tot Ion:188 Resp: 390715
Ion Ratio Lower Upper
188 100
94 10.9 9.4 14.2
80 11.4 10.2 15.2



#74
Fluoranthene
Concen: 3.02 ng
RT: 12.85 min Scan# 1864
Delta R.T. -0.02 min
Lab File: BF094142.D
Acq: 4 Apr 2017 1:03

Tgt Ion:202 Resp: 67235
Ion Ratio Lower Upper
202 100
101 12.9 0.0 33.2
203 18.4 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.62 min Scan# 2164

Delta R.T. -0.01 min

Lab File: BF094142.D

Acq: 4 Apr 2017 1:03

Instrument :

BNA_F

ClientSampleId :

LSS-SP03-COMP

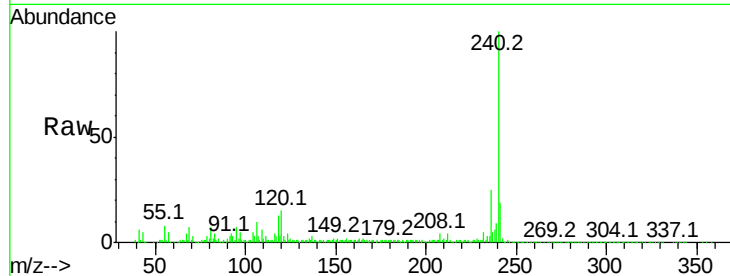
Tot Ion:240 Resp: 313870

Ion Ratio Lower Upper

240 100

120 14.9 5.8 8.8#

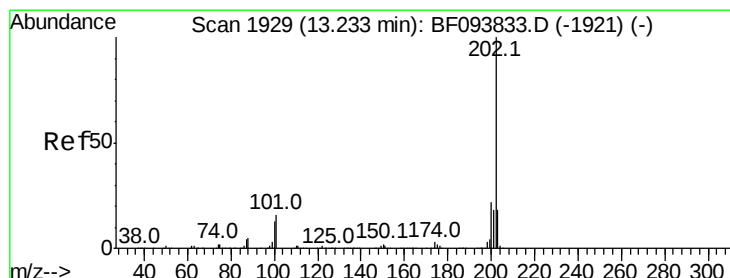
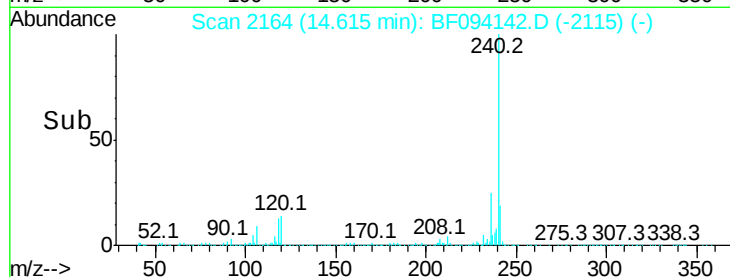
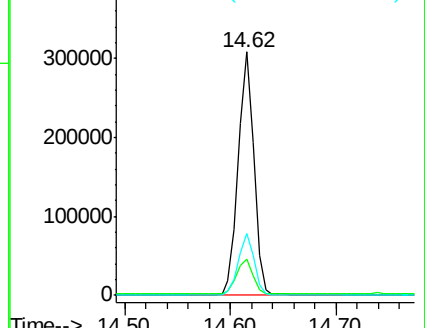
236 25.3 20.5 30.7



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

Pyrene

Concen: 2.17 ng

RT: 12.85 min Scan# 1864

Delta R.T. -0.29 min

Lab File: BF094142.D

Acq: 4 Apr 2017 1:03

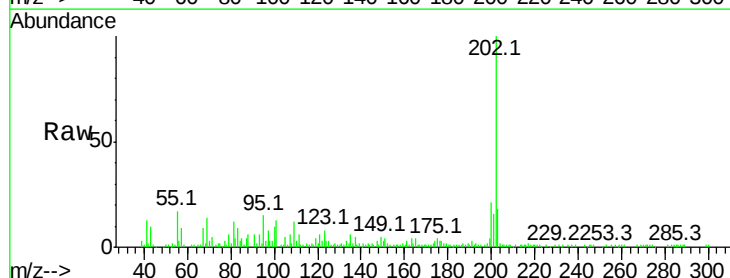
Tgt Ion:202 Resp: 49374

Ion Ratio Lower Upper

202 100

200 20.9 17.6 26.4

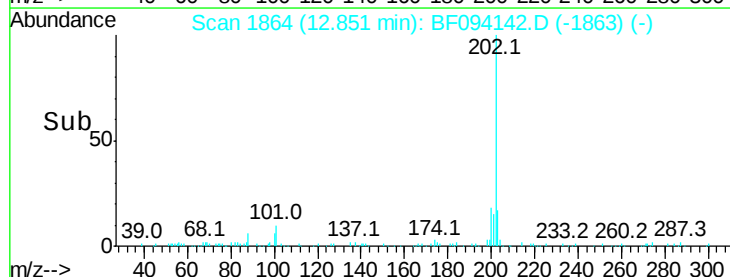
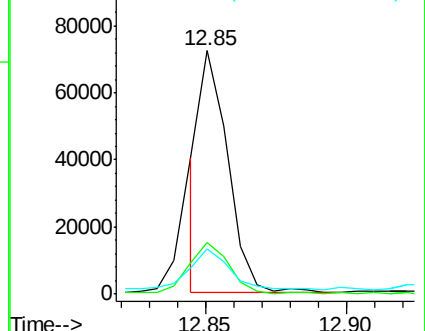
203 18.4 14.4 21.6

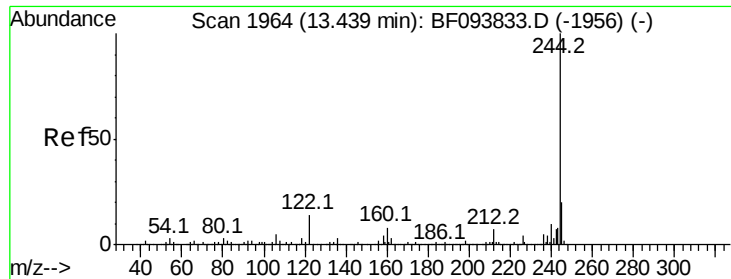


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 11.99 ng

RT: 13.33 min Scan# 1946

Delta R.T. -0.02 min

Lab File: BF094142.D

Acq: 4 Apr 2017 1:03

Instrument :

BNA_F

ClientSampleId :

LSS-SP03-COMP

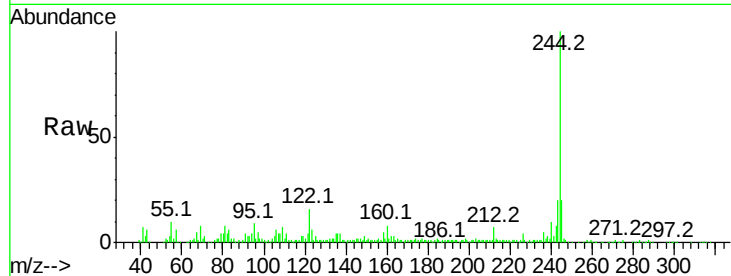
Tot Ion:244 Resp: 167888

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

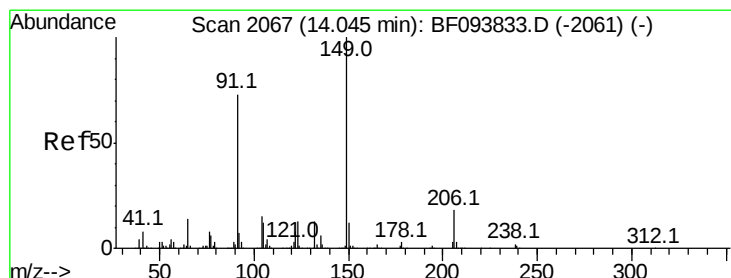
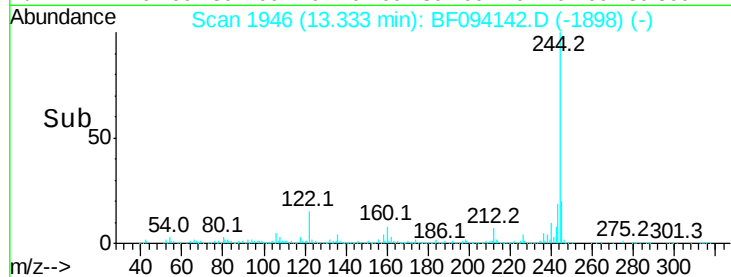
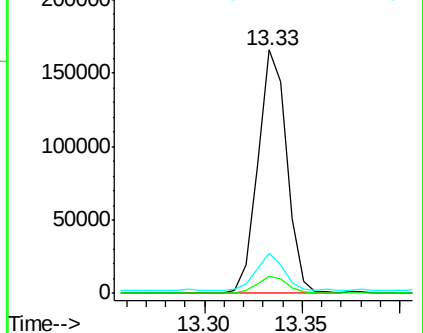
122 16.2 10.3 15.5#



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: 5.71 ng

RT: 13.94 min Scan# 2050

Delta R.T. -0.01 min

Lab File: BF094142.D

Acq: 4 Apr 2017 1:03

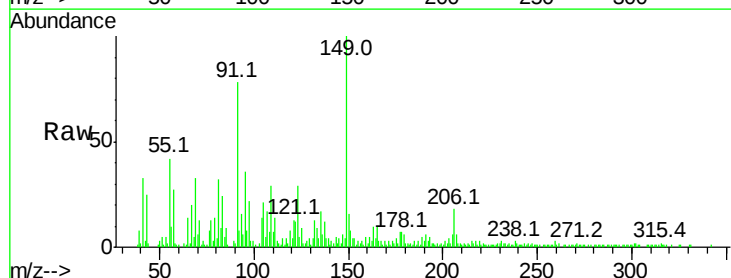
Tgt Ion:149 Resp: 55445

Ion Ratio Lower Upper

149 100

91 78.4 45.0 67.4#

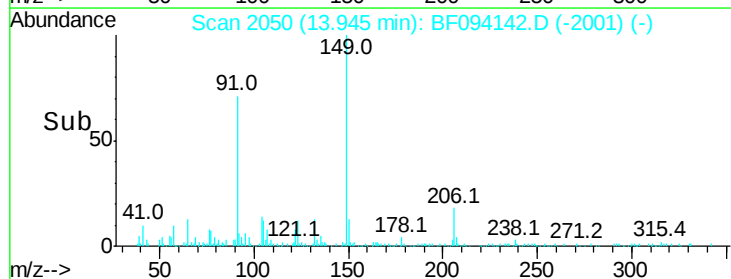
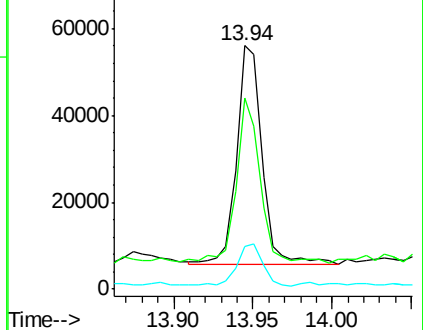
206 17.7 17.0 25.6

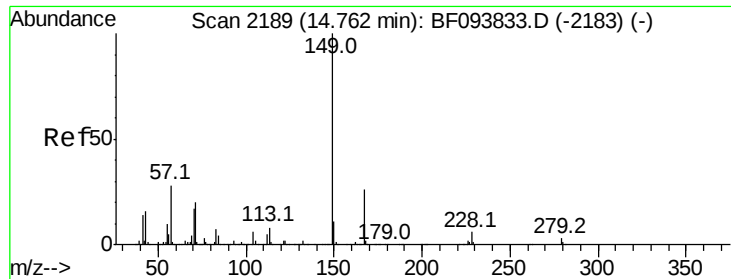


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E

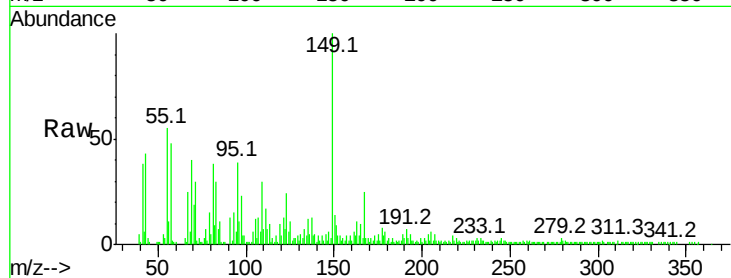




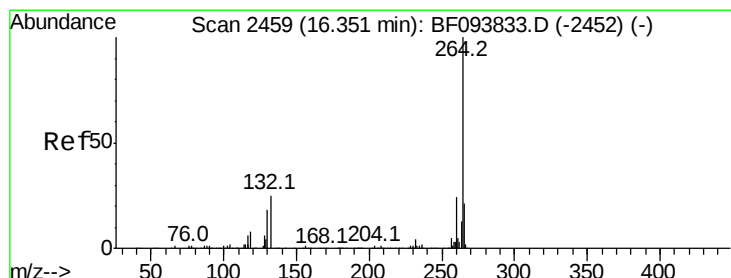
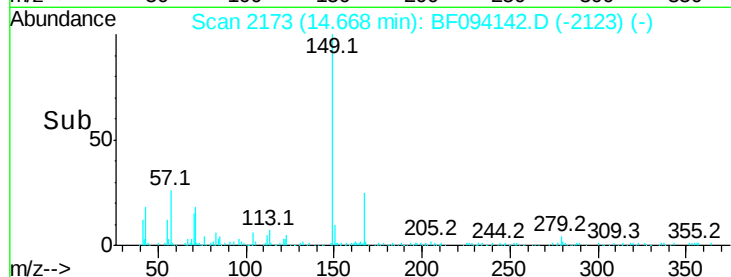
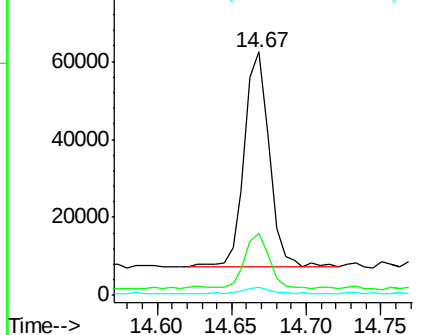
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 4.87 ng
 RT: 14.67 min Scan# 2173
 Delta R.T. -0.01 min
 Lab File: BF094142.D
 Acq: 4 Apr 2017 1:03

Instrument :
 BNA_F
 ClientSampleId :
 LSS-SP03-COMP

Tot Ion:149 Resp: 64431
 Ion Ratio Lower Upper
 149 100
 167 25.2 21.0 31.4
 279 3.3 1.9 2.9#

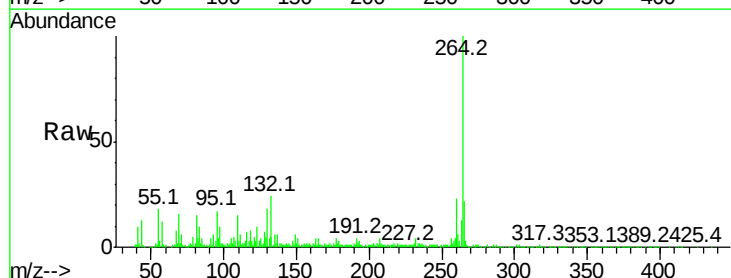


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

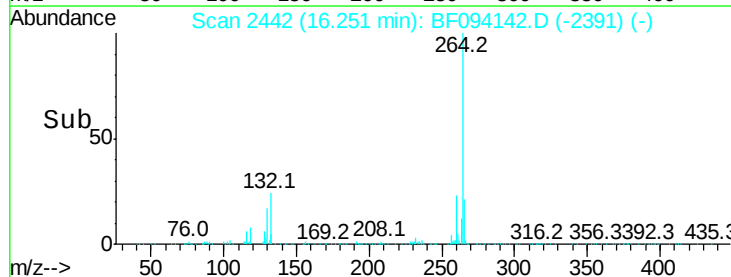
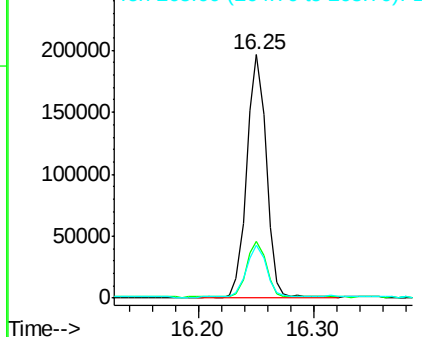


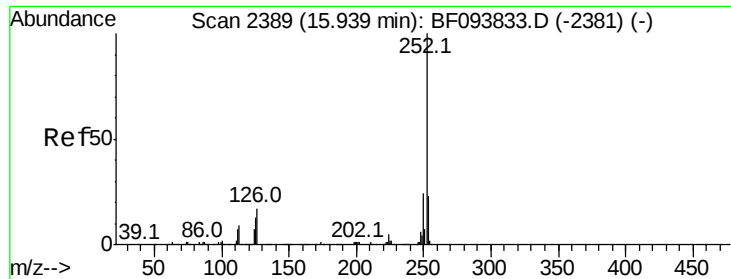
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.25 min Scan# 2442
 Delta R.T. -0.00 min
 Lab File: BF094142.D
 Acq: 4 Apr 2017 1:03

Tgt Ion:264 Resp: 230469
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.5 29.3
 265 21.6 17.2 25.8



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





#87

Benzo(b)fluoranthene

Concen: 4.16 ng

RT: 15.84 min Scan# 2372

Delta R.T. -0.01 min

Lab File: BF094142.D

Acq: 4 Apr 2017 1:03

Instrument :

BNA_F

ClientSampleId :

LSS-SP03-COMP

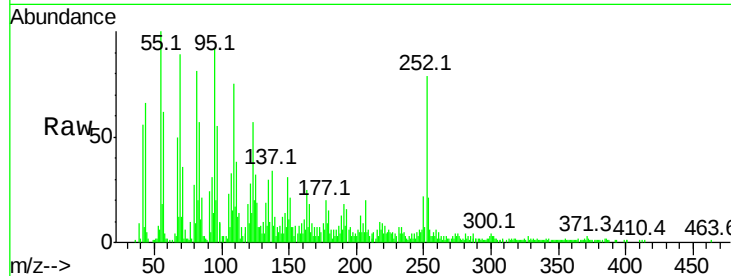
Tot Ion:252 Resp: 58826

Ion Ratio Lower Upper

252 100

253 25.9 18.1 27.1

125 40.0 9.8 14.8#

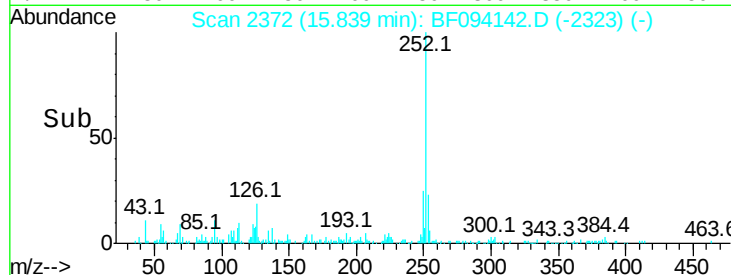


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



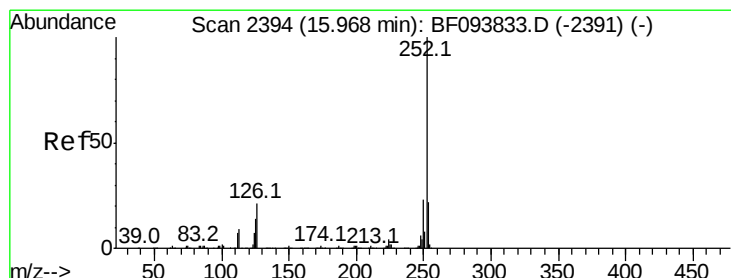
Abundance

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

Time-->



#88

Benzo(k)fluoranthene

Concen: 4.26 ng

RT: 15.84 min Scan# 2372

Delta R.T. -0.04 min

Lab File: BF094142.D

Acq: 4 Apr 2017 1:03

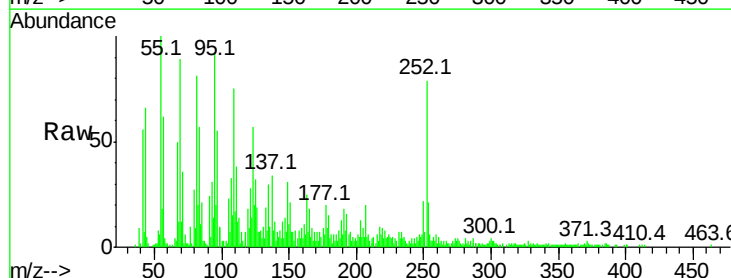
Tgt Ion:252 Resp: 58826

Ion Ratio Lower Upper

252 100

253 25.9 18.4 27.6

125 40.0 13.1 19.7#

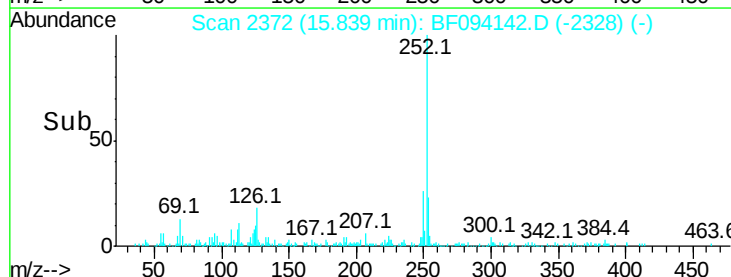


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



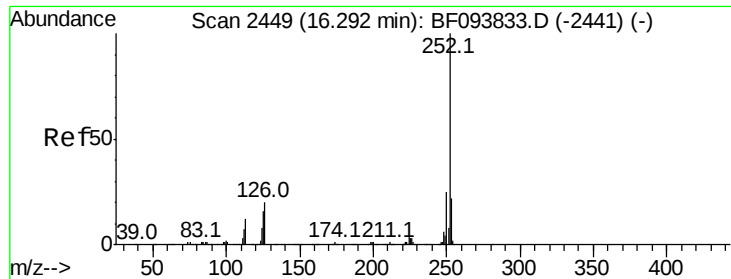
Abundance

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

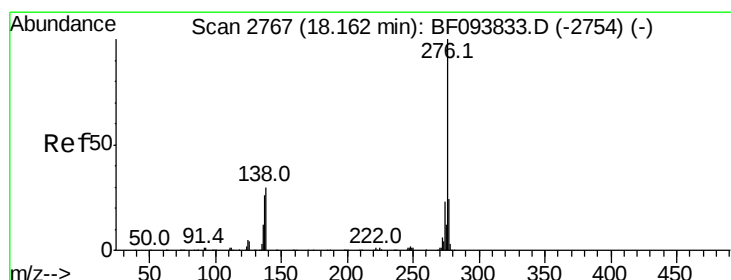
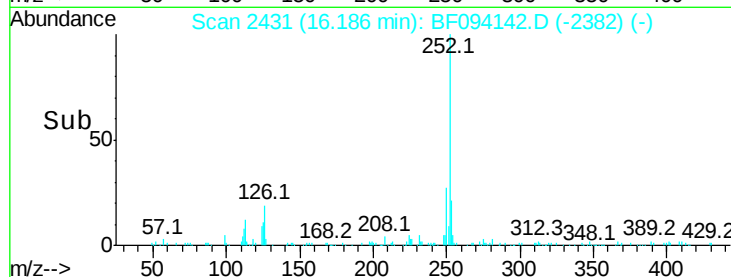
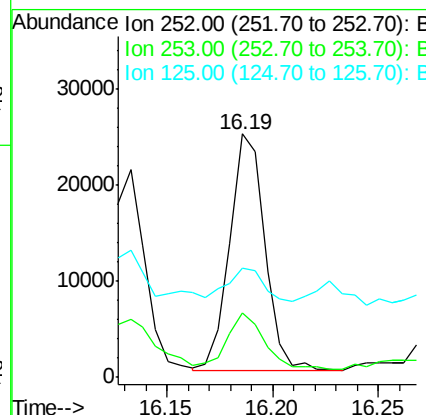
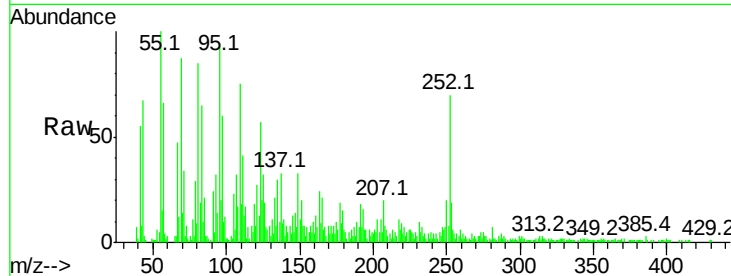
Time-->



#89
Benzo(a)pyrene
Concen: 2.17 ng
RT: 16.19 min Scan# 2431
Delta R.T. -0.01 min
Lab File: BF094142.D
Acq: 4 Apr 2017 1:03

Instrument :
BNA_F
ClientSampleId :
LSS-SP03-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.4	17.5	26.3
125	44.8	11.0	16.4



#91
Benzo(g,h,i)perylene
Concen: 2.51 ng
RT: 17.99 min Scan# 2737
Delta R.T. -0.02 min
Lab File: BF094142.D
Acq: 4 Apr 2017 1:03

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.6	28.0
138	36.5	25.4	38.0

