

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041817\
 Data File : BF094503.D
 Acq On : 18 Apr 2017 23:00
 Operator : SJ/MA
 Sample : I2735-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 19 03:02:47 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 17 14:59:23 2017
 Response via : Initial Calibration

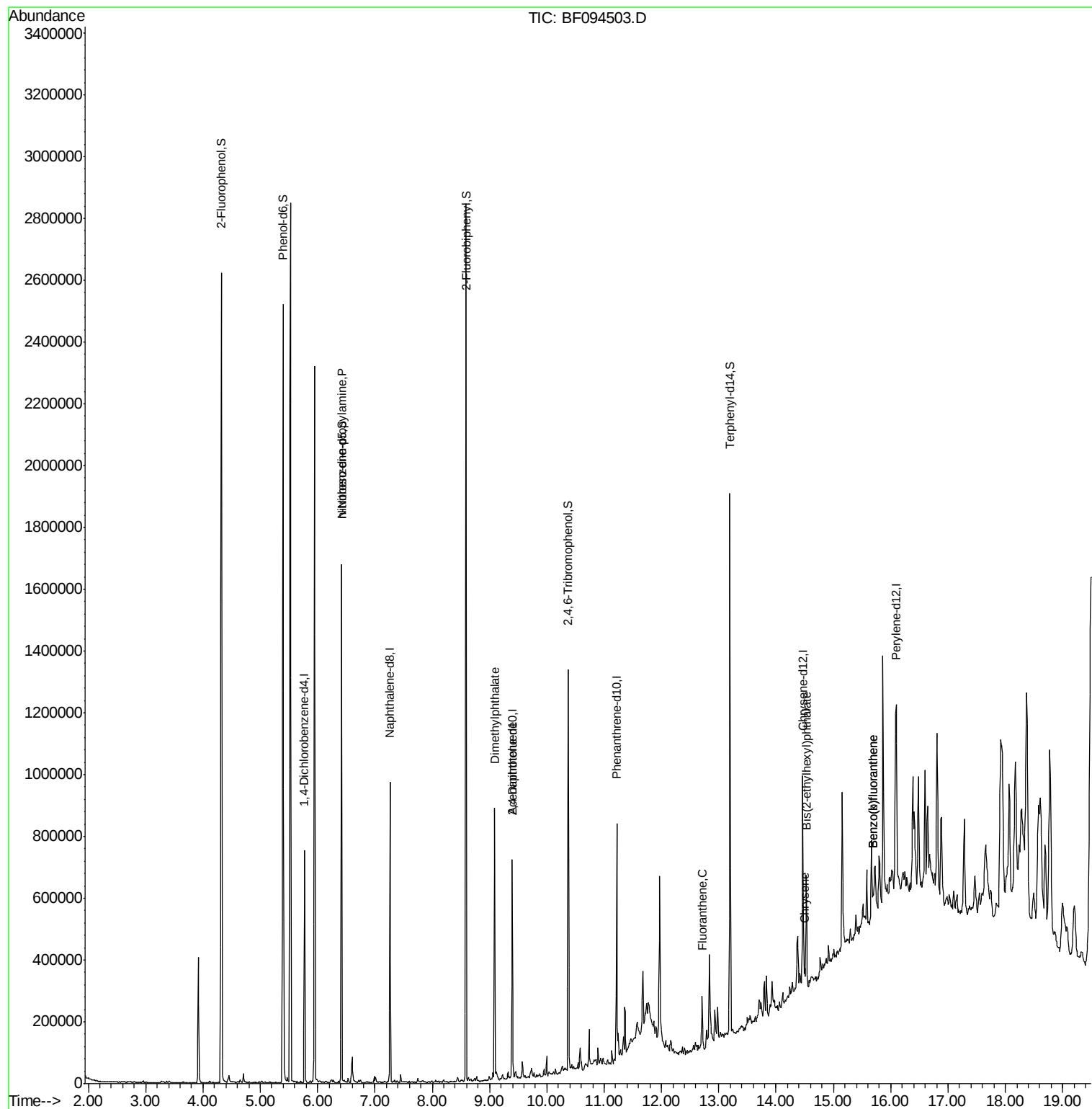
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.77	152	117061	20.00	ng	0.00
21) Naphthalene-d8	7.27	136	439383	20.00	ng	0.00
38) Acenaphthene-d10	9.40	164	158525	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	291268	20.00	ng	0.00
75) Chrysene-d12	14.47	240	271996	20.00	ng	0.00
86) Perylene-d12	16.09	264	198953	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.32	112	818649	116.02	ng	0.01
7) Phenol-d6	5.40	99	973930	117.08	ng	0.00
23) Nitrobenzene-d5	6.42	82	590960	83.05	ng	0.00
41) 2,4,6-Tribromophenol	10.38	330	162659	131.18	ng	0.00
44) 2-Fluorobiphenyl	8.59	172	948088	88.00	ng	0.00
78) Terphenyl-d14	13.19	244	638798	62.78	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	6.42	70	77758	14.11	ng	# 76
49) Dimethylphthalate	9.09	163	377334	31.94	ng	99
56) 2,4-Dinitrotoluene	9.40	165	19837	6.10	ng	# 32
74) Fluoranthene	12.71	202	40283	2.37	ng	95
82) Chrysene	14.50	228	30927	2.14	ng	# 95
83) Bis(2-ethylhexyl)phthalate	14.53	149	118175	10.57	ng	# 99
87) Benzo(b)fluoranthene	15.69	252	52519	4.32	ng	# 83
88) Benzo(k)fluoranthene	15.69	252	52519	4.56	ng	# 87

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

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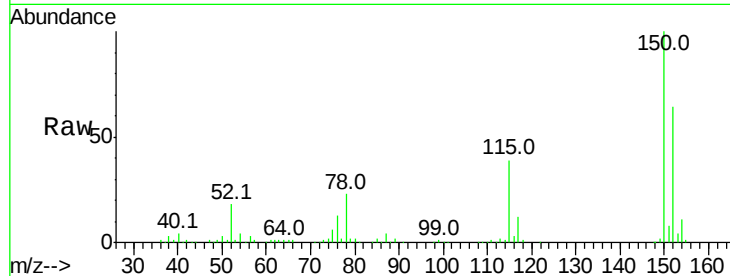


#1

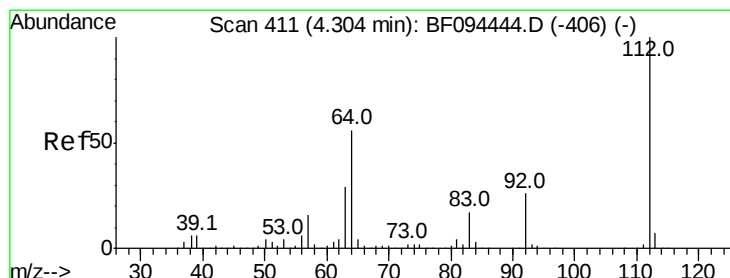
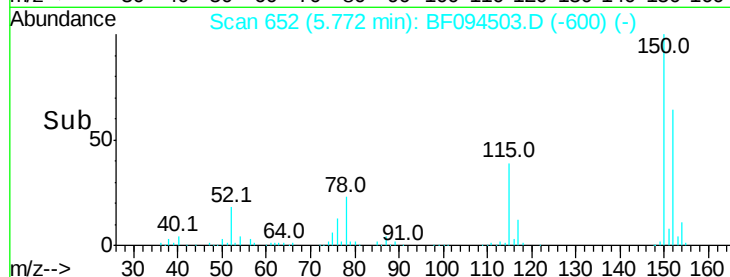
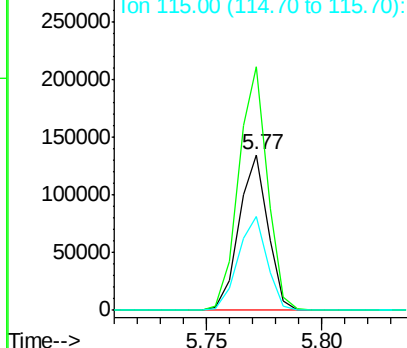
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.77 min Scan# 652
Delta R.T. 0.01 min
Lab File: BF094503.D
Acq: 18 Apr 2017 23:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 117061
Ion Ratio Lower Upper
152 100
150 156.2 126.2 189.2
115 60.4 52.2 78.2



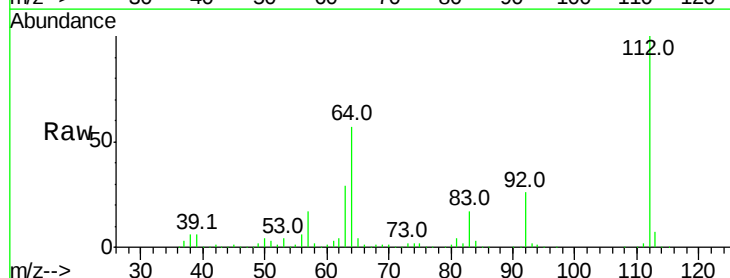
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



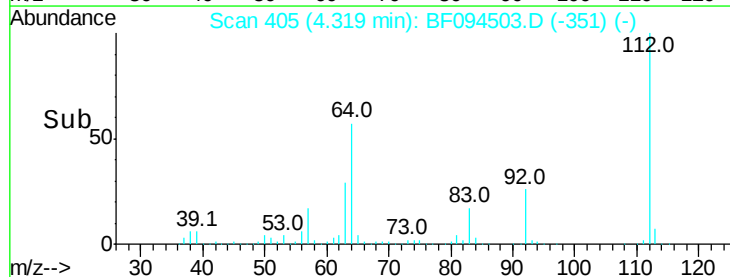
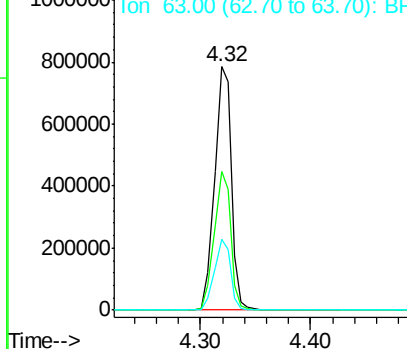
#5

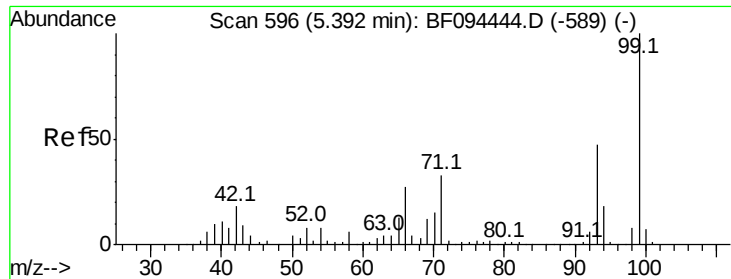
2-Fluorophenol
Concen: 116.02 ng
RT: 4.32 min Scan# 405
Delta R.T. 0.01 min
Lab File: BF094503.D
Acq: 18 Apr 2017 23:00

Tgt Ion:112 Resp: 818649
Ion Ratio Lower Upper
112 100
64 57.0 46.0 69.0
63 28.9 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: 117.08 ng

RT: 5.40 min Scan# 589

Delta R.T. 0.01 min

Lab File: BF094503.D

Acq: 18 Apr 2017 23:00

Instrument :

BNA_F

ClientSampled :

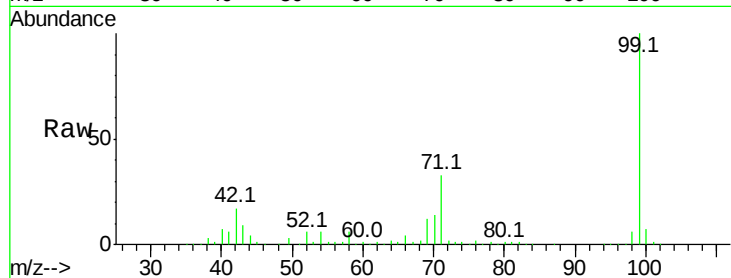
Tot Ion: 99 Resp: 973930

Ion Ratio Lower Upper

99 100

42 17.1 13.5 20.3

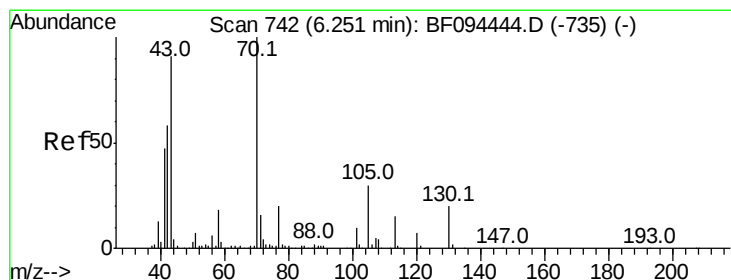
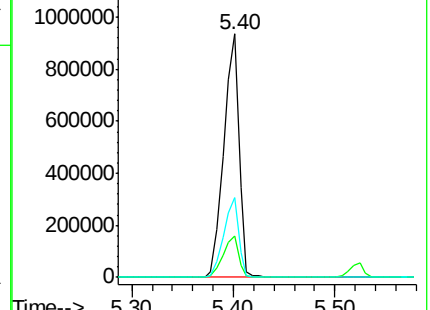
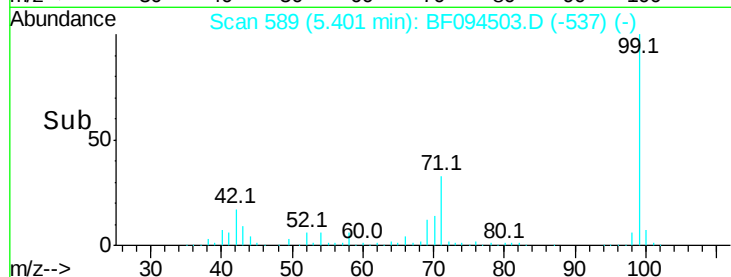
71 32.6 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 14.11 ng

RT: 6.42 min Scan# 762

Delta R.T. 0.17 min

Lab File: BF094503.D

Acq: 18 Apr 2017 23:00

Tgt Ion: 70 Resp: 77758

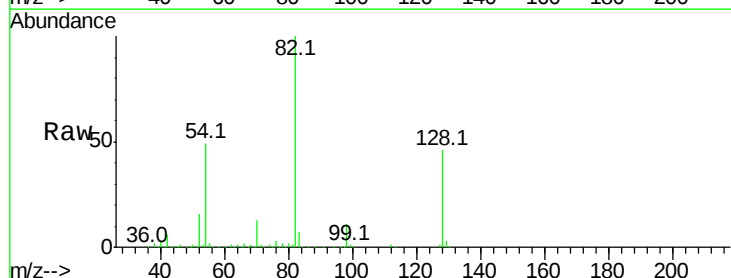
Ion Ratio Lower Upper

70 100

42 44.3 47.2 70.8#

101 0.0 7.2 10.8#

130 2.2 15.9 23.9#

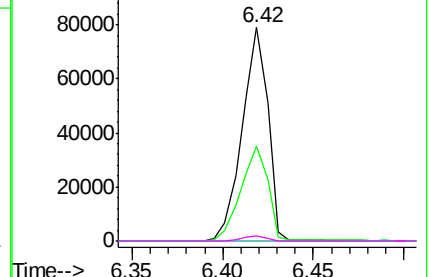
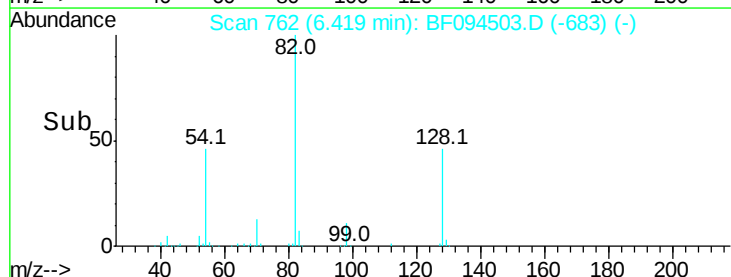


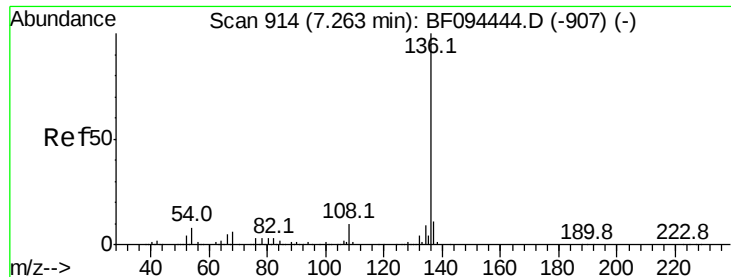
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.27 min Scan# 906

Delta R.T. 0.00 min

Lab File: BF094503.D

Acq: 18 Apr 2017 23:00

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 439383

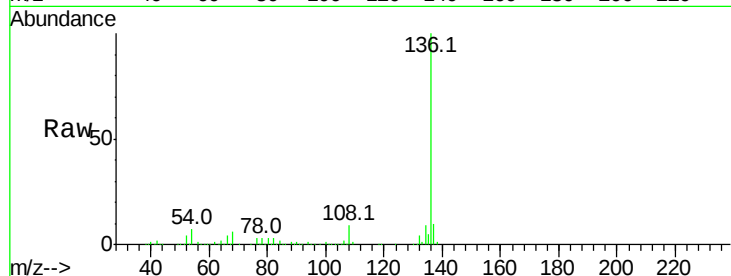
Ion Ratio Lower Upper

136 100

137 10.5 8.5 12.7

54 7.2 4.9 7.3

68 5.5 4.1 6.1

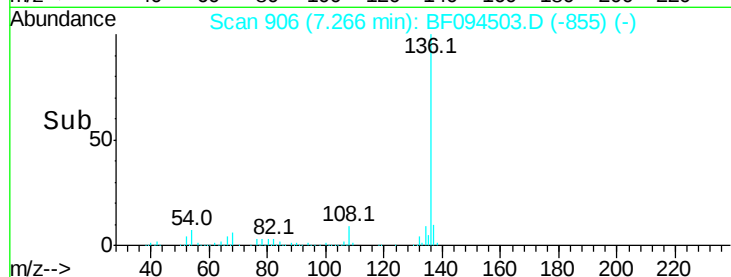


Abundance Ion 136.00 (135.70 to 136.70): E

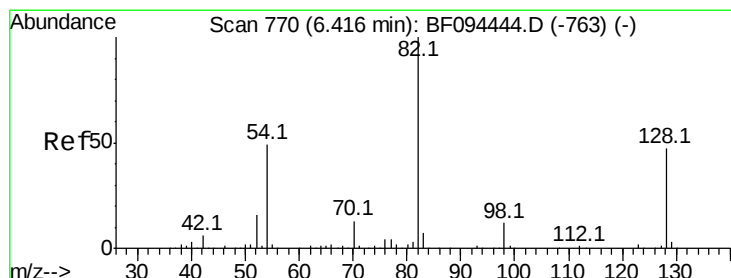
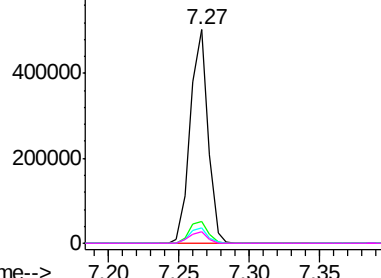
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 83.05 ng

RT: 6.42 min Scan# 762

Delta R.T. 0.00 min

Lab File: BF094503.D

Acq: 18 Apr 2017 23:00

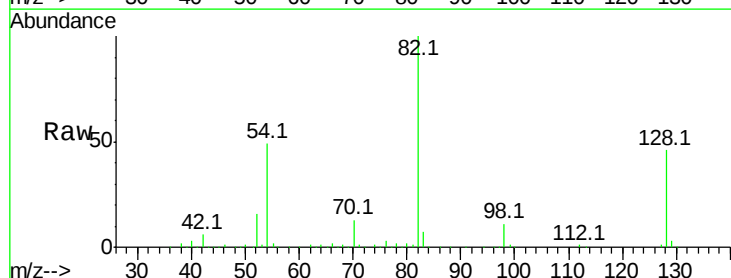
Tgt Ion: 82 Resp: 590960

Ion Ratio Lower Upper

82 100

128 46.2 34.0 51.0

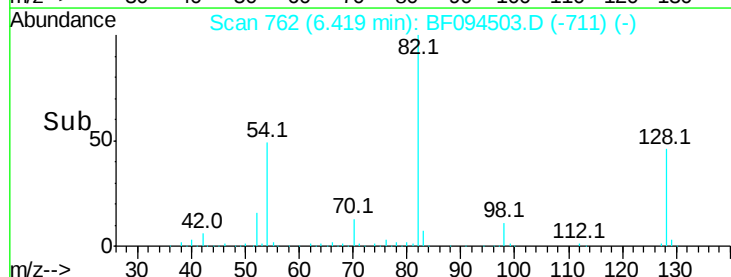
54 48.6 42.2 63.2



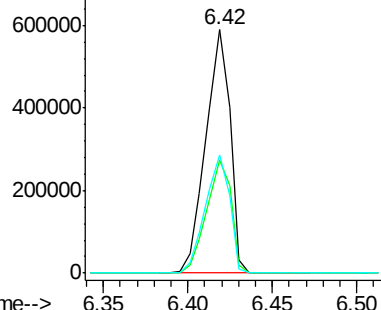
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.40 min Scan# 1268

Delta R.T. -0.00 min

Lab File: BF094503.D

Acq: 18 Apr 2017 23:00

Instrument :

BNA_F

ClientSampleId :

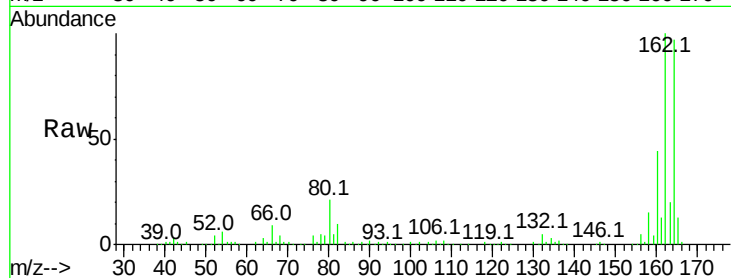
Tot Ion:164 Resp: 158525

Ion Ratio Lower Upper

164 100

162 102.7 82.6 123.8

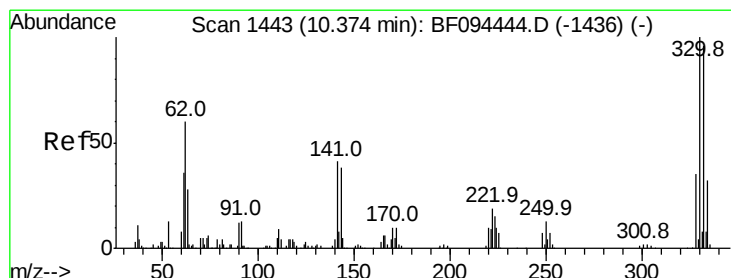
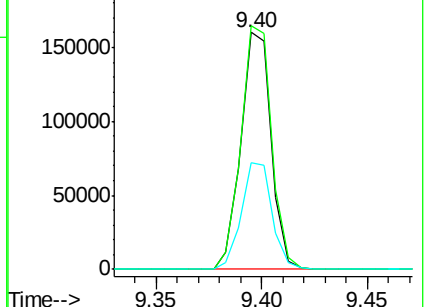
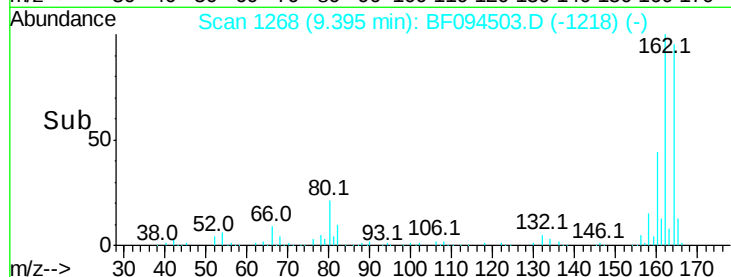
160 44.8 36.2 54.2



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: 131.18 ng

RT: 10.38 min Scan# 1435

Delta R.T. 0.00 min

Lab File: BF094503.D

Acq: 18 Apr 2017 23:00

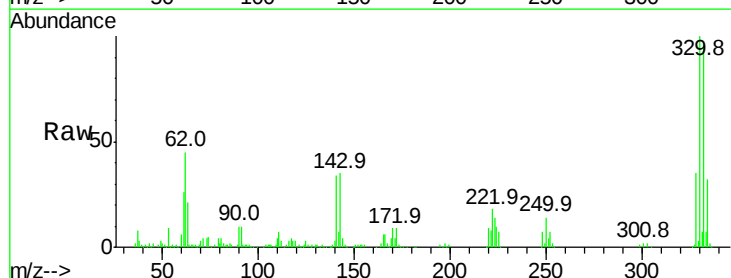
Tgt Ion:330 Resp: 162659

Ion Ratio Lower Upper

330 100

332 95.6 76.6 115.0

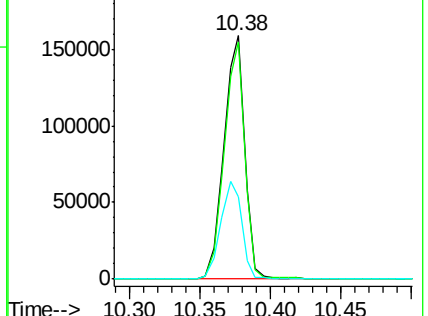
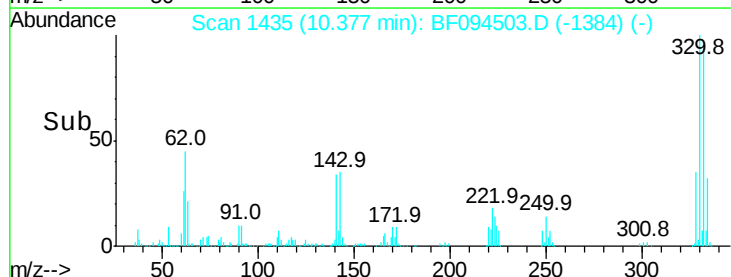
141 41.0 31.4 47.2

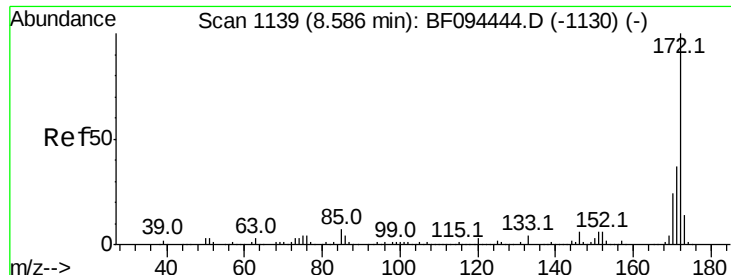


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

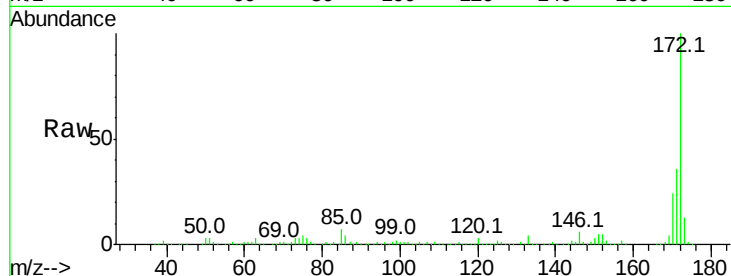




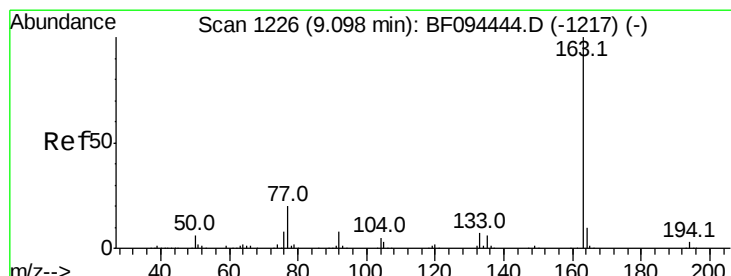
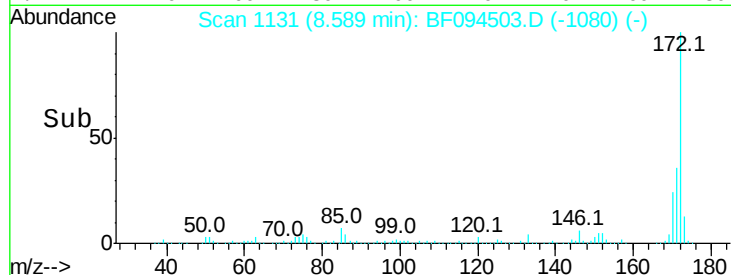
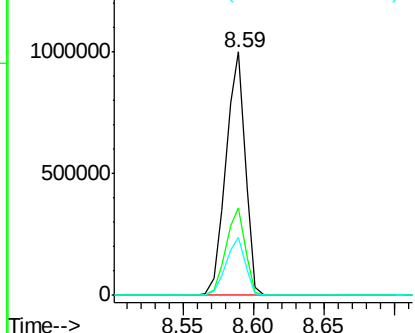
#44
2-Fluorobiphenyl
Concen: 88.00 ng
RT: 8.59 min Scan# 1131
Delta R.T. 0.00 min
Lab File: BF094503.D
Acq: 18 Apr 2017 23:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 948088
Ion Ratio Lower Upper
172 100
171 35.9 29.6 44.4
170 23.6 19.8 29.8

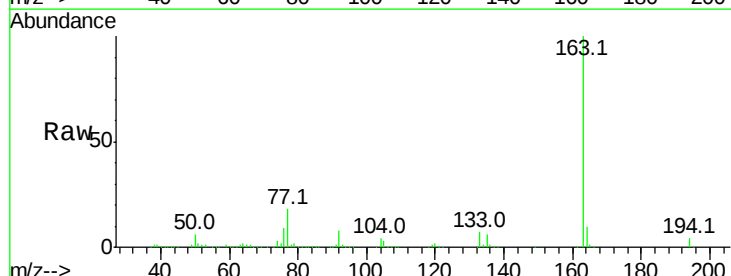


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

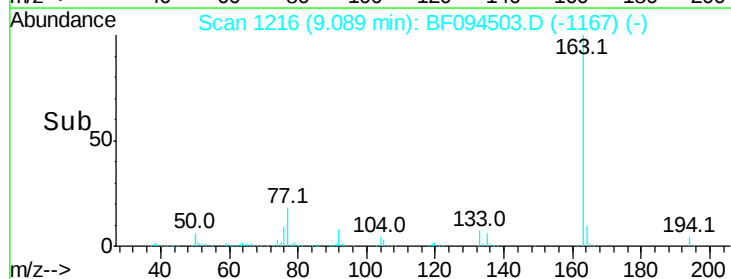
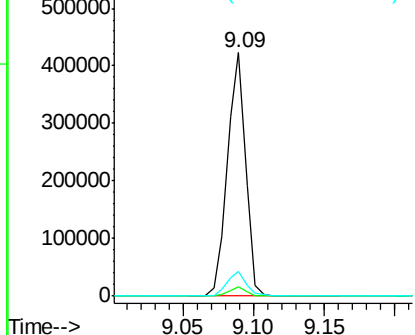


#49
Dimethylphthalate
Concen: 31.94 ng
RT: 9.09 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF094503.D
Acq: 18 Apr 2017 23:00

Tgt Ion:163 Resp: 377334
Ion Ratio Lower Upper
163 100
194 3.6 2.6 4.0
164 10.0 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

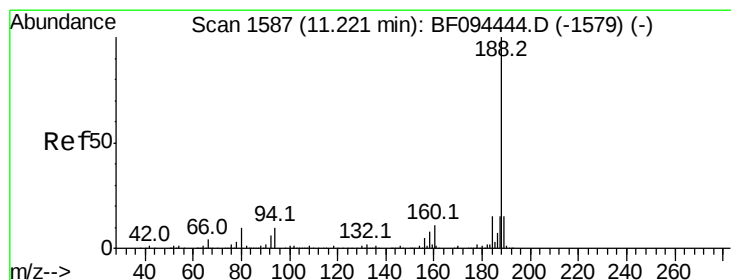
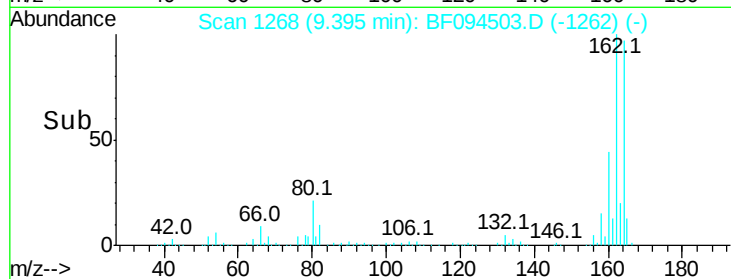
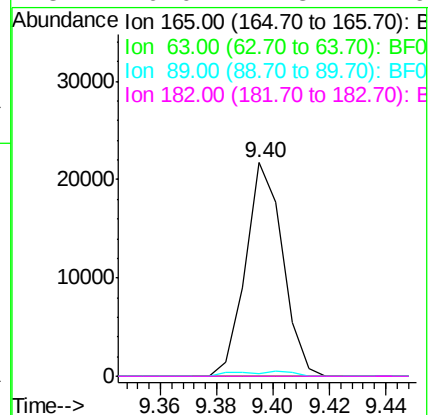
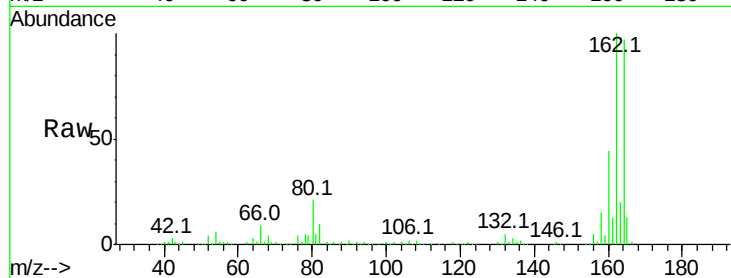




#56
2,4-Dinitrotoluene
Concen: 6.10 ng
RT: 9.40 min Scan# 1268
Delta R.T. -0.26 min
Lab File: BF094503.D
Acq: 18 Apr 2017 23:00

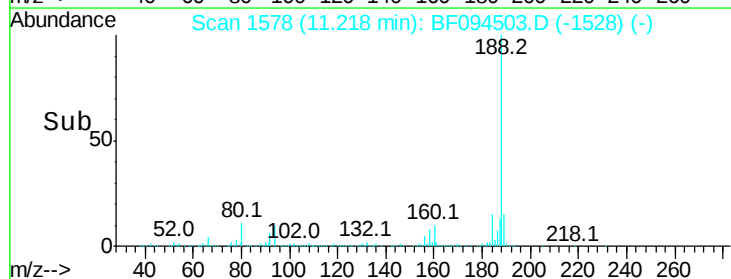
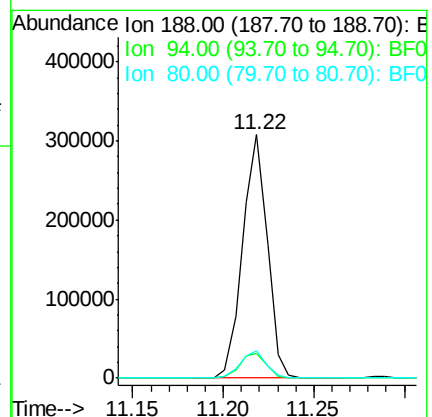
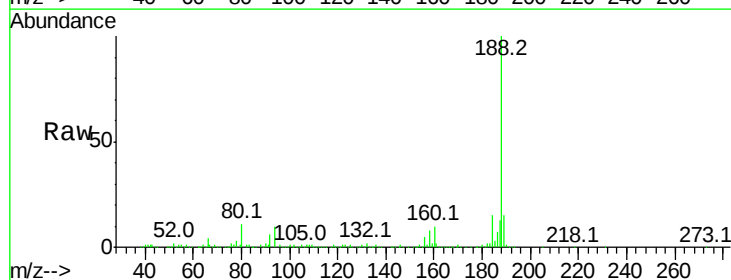
Instrument :
BNA_F
ClientSampleId :

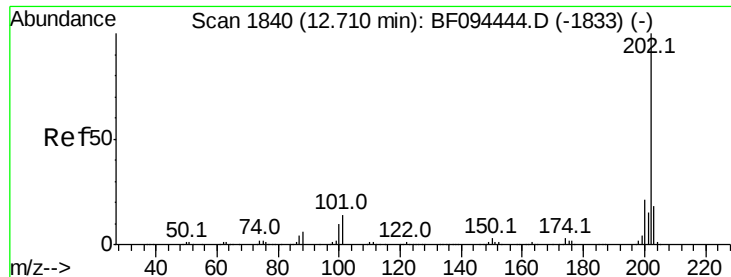
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	25.4	38.0#
89	1.4	46.4	69.6#
182	0.0	1.8	2.6#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.22 min Scan# 1578
Delta R.T. -0.00 min
Lab File: BF094503.D
Acq: 18 Apr 2017 23:00

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.3	9.4	14.2
80	11.0	10.2	15.2





#74

Fluoranthene

Concen: 2.37 ng

RT: 12.71 min Scan# 1831

Delta R.T. -0.00 min

Lab File: BF094503.D

Acq: 18 Apr 2017 23:00

Instrument :

BNA_F

ClientSampled :

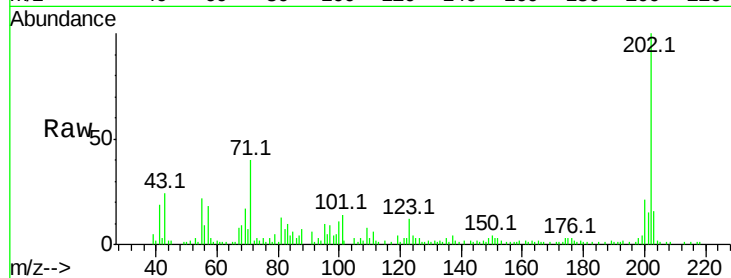
Tot Ion:202 Resp: 40283

Ion Ratio Lower Upper

202 100

101 15.8 0.0 33.2

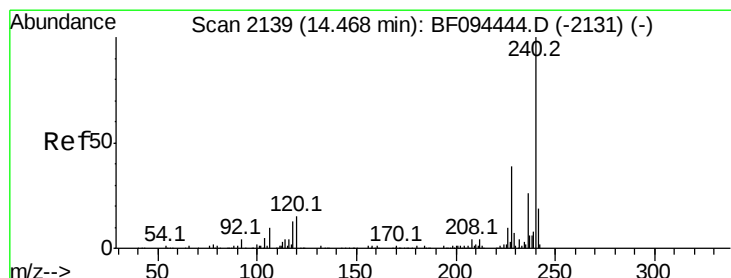
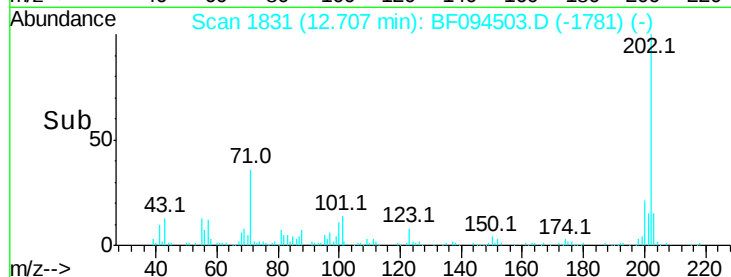
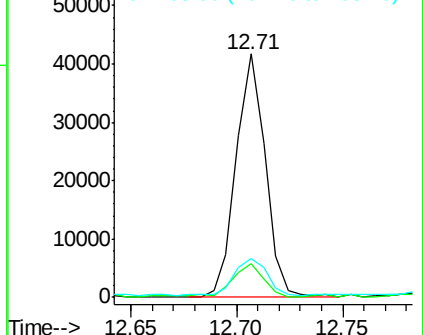
203 16.1 0.0 38.1



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: 14.47 min Scan# 2130

Delta R.T. -0.00 min

Lab File: BF094503.D

Acq: 18 Apr 2017 23:00

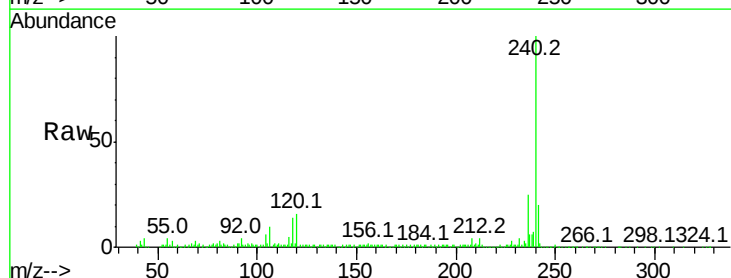
Tgt Ion:240 Resp: 271996

Ion Ratio Lower Upper

240 100

120 15.7 5.8 8.8#

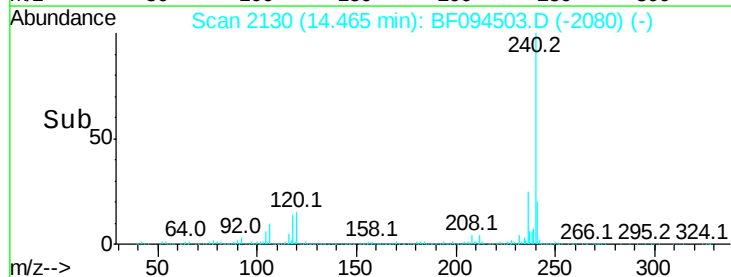
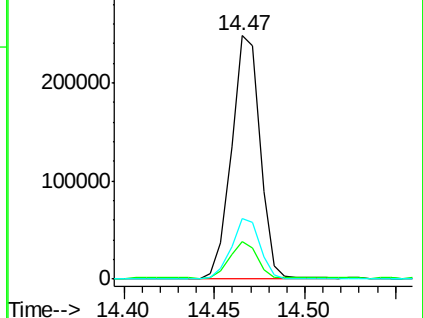
236 24.7 20.5 30.7

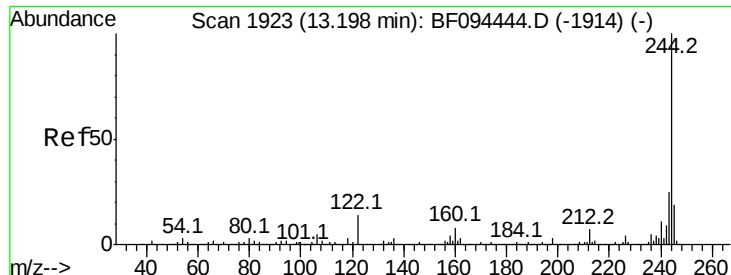


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 62.78 ng

RT: 13.19 min Scan# 1914

Delta R.T. -0.00 min

Lab File: BF094503.D

Acq: 18 Apr 2017 23:00

Instrument :

BNA_F

ClientSampleId :

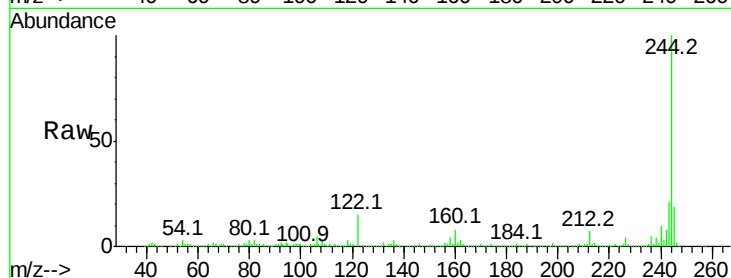
Tot Ion:244 Resp: 638798

Ion Ratio Lower Upper

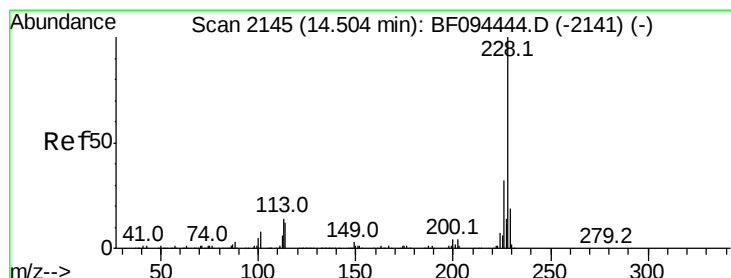
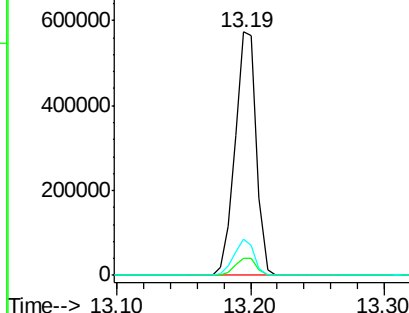
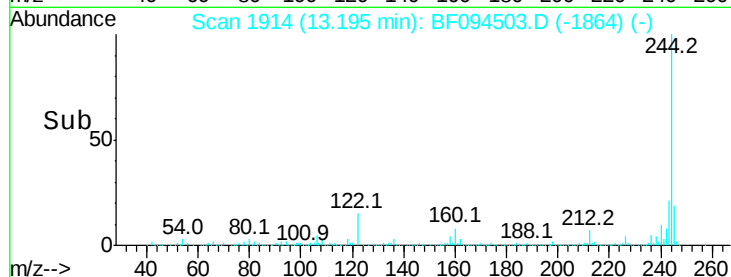
244 100

212 7.1 6.0 9.0

122 15.0 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



#82

Chrysene

Concen: 2.14 ng

RT: 14.50 min Scan# 2136

Delta R.T. -0.00 min

Lab File: BF094503.D

Acq: 18 Apr 2017 23:00

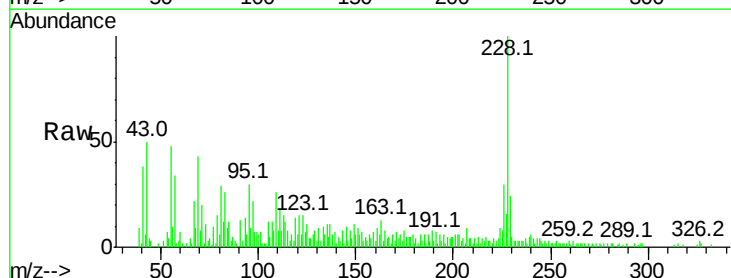
Tgt Ion:228 Resp: 30927

Ion Ratio Lower Upper

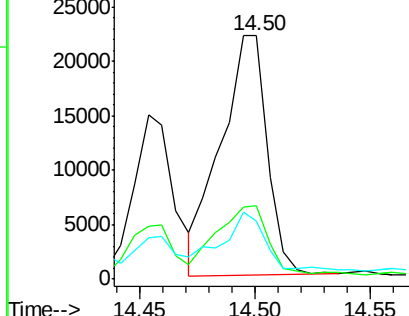
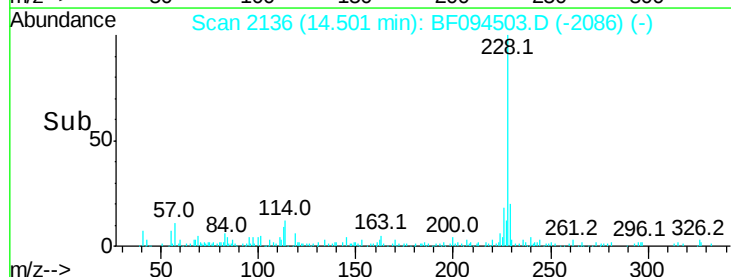
228 100

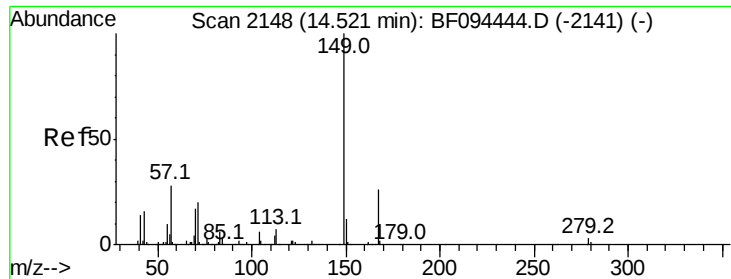
226 30.2 24.9 37.3

229 23.9 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





#83

Bis(2-ethylhexyl)phthalate

Concen: 10.57 ng

RT: 14.53 min Scan# 2141

Delta R.T. 0.01 min

Lab File: BF094503.D

Acq: 18 Apr 2017 23:00

Instrument :

BNA_F

ClientSampled :

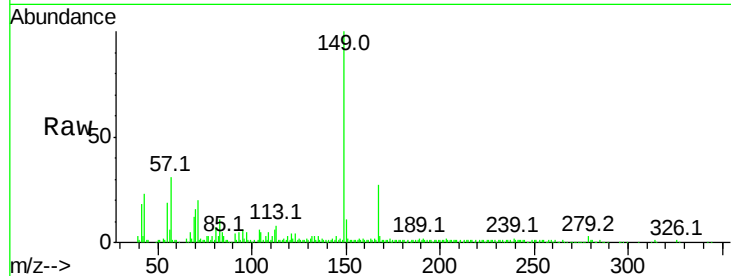
Tot Ion:149 Resp: 118175

Ion Ratio Lower Upper

149 100

167 26.6 21.0 31.4

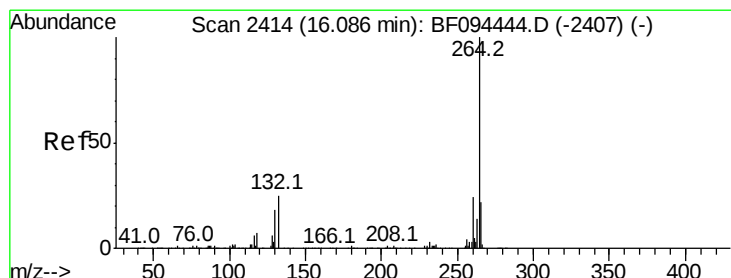
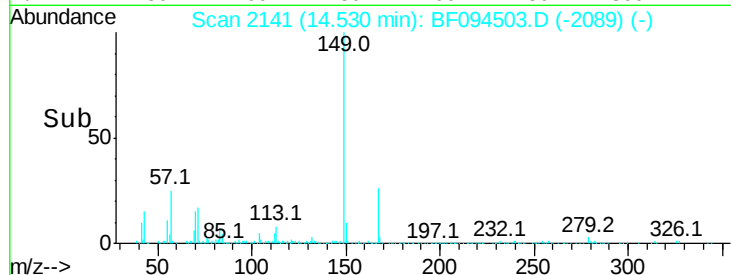
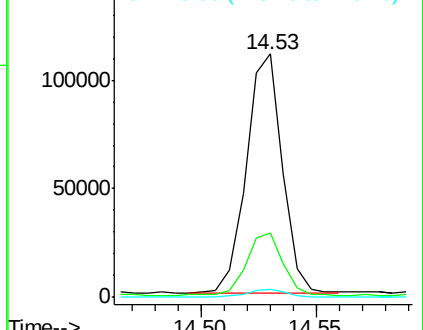
279 3.3 1.9 2.9#



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: 16.09 min Scan# 2407

Delta R.T. 0.01 min

Lab File: BF094503.D

Acq: 18 Apr 2017 23:00

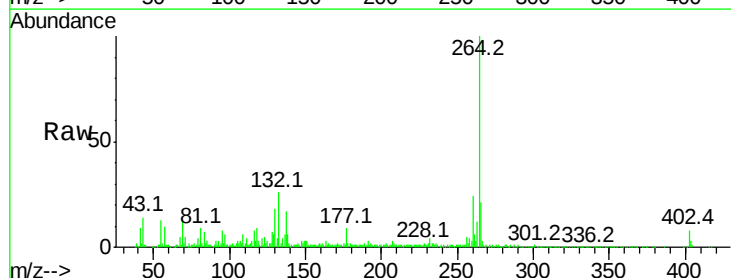
Tgt Ion:264 Resp: 198953

Ion Ratio Lower Upper

264 100

260 23.9 19.5 29.3

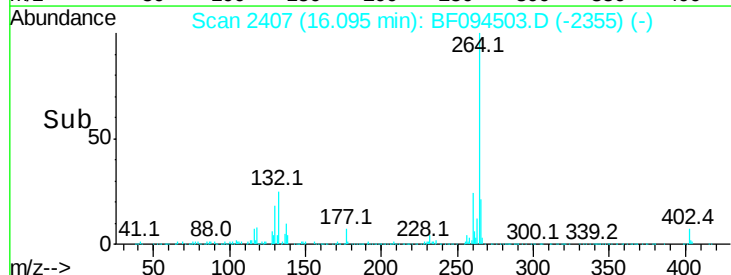
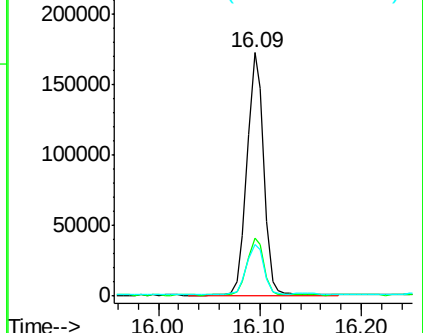
265 21.2 17.2 25.8

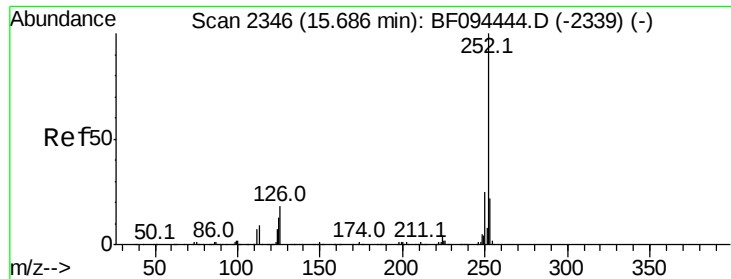


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 4.32 ng

RT: 15.69 min Scan# 2338

Delta R.T. 0.00 min

Lab File: BF094503.D

Acq: 18 Apr 2017 23:00

Instrument :

BNA_F

ClientSampleId :

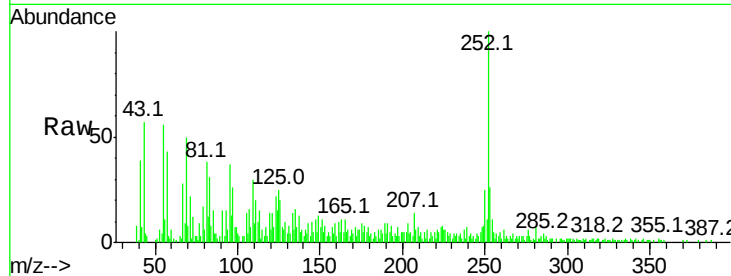
Tot Ion:252 Resp: 52519

Ion Ratio Lower Upper

252 100

253 26.5 18.1 27.1

125 25.2 9.8 14.8#

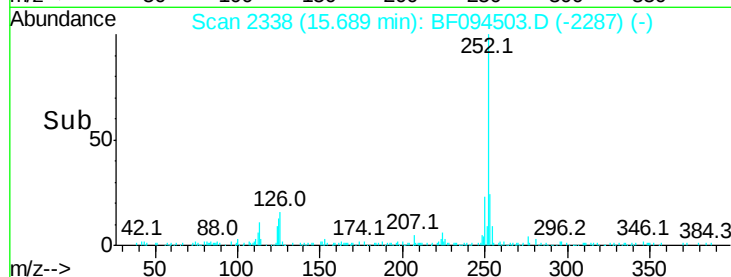


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



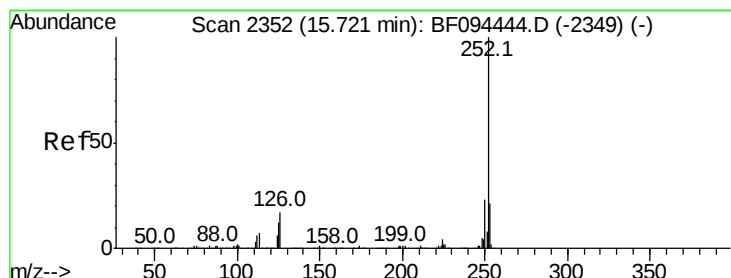
Abundance

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: 4.56 ng

RT: 15.69 min Scan# 2338

Delta R.T. -0.03 min

Lab File: BF094503.D

Acq: 18 Apr 2017 23:00

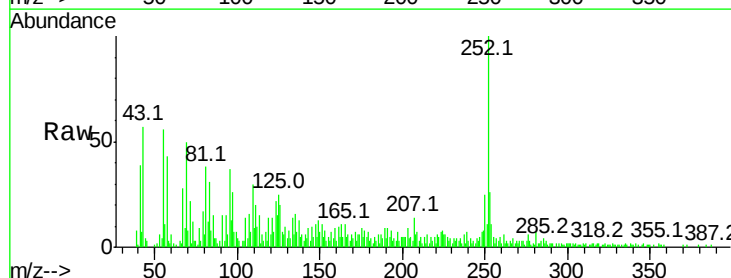
Tgt Ion:252 Resp: 52519

Ion Ratio Lower Upper

252 100

253 26.5 18.4 27.6

125 25.2 13.1 19.7#

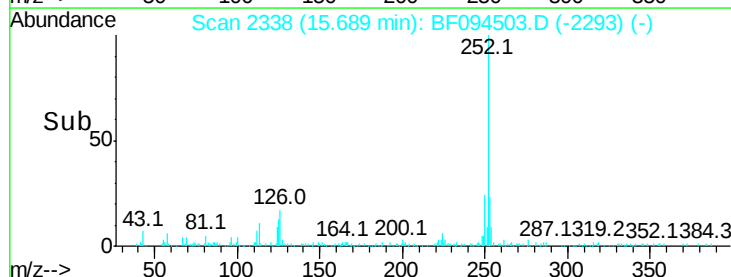


Abundance Ion 252.00 (251.70 to 252.70): E

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-->