

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042817\
 Data File : BF094693.D
 Acq On : 28 Apr 2017 19:38
 Operator : SJ/MA
 Sample : I2873-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 28 23:06:22 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

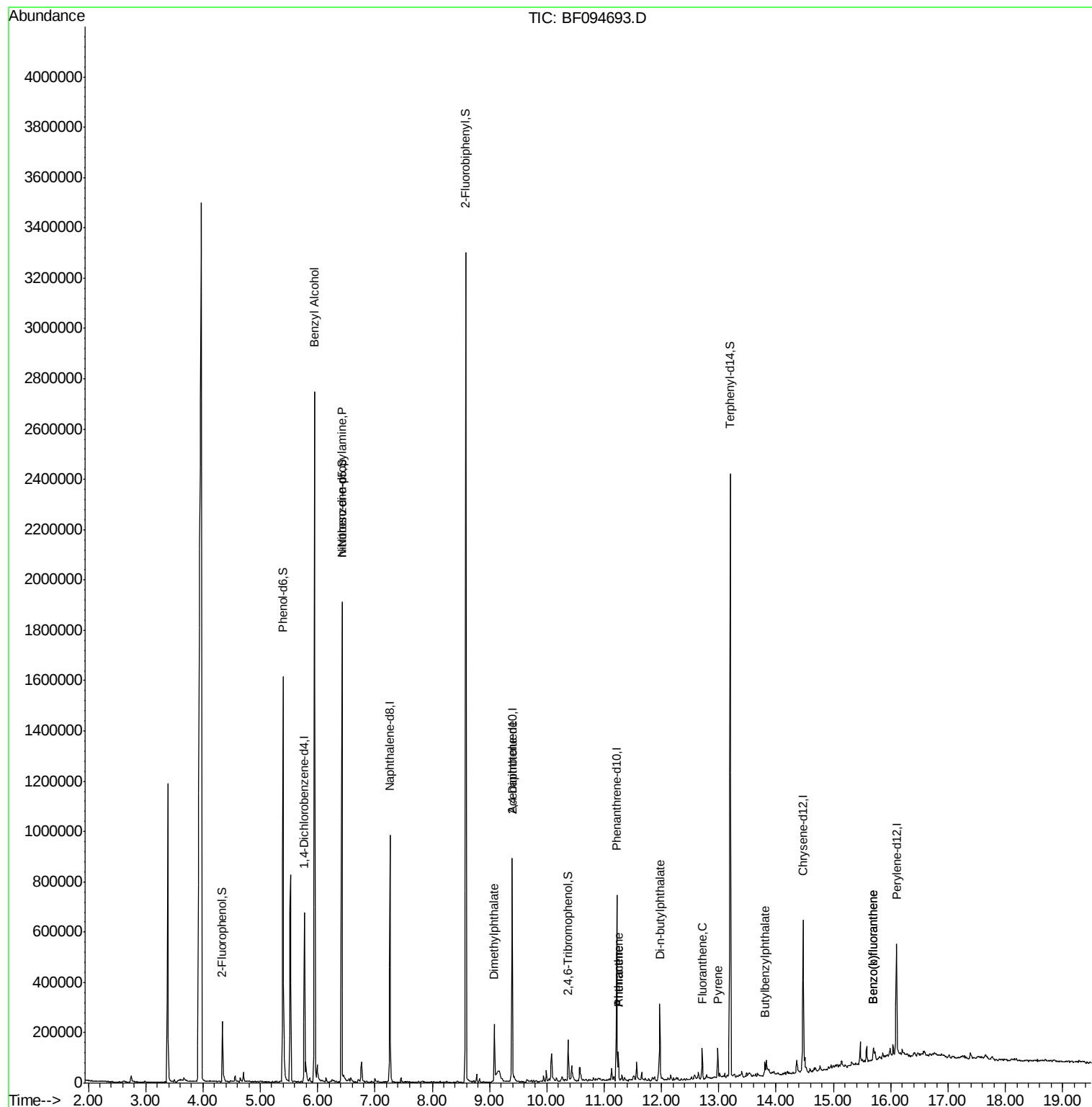
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.77	152	113915	20.00	ng	0.00
21) Naphthalene-d8	7.26	136	442631	20.00	ng	0.00
38) Acenaphthene-d10	9.40	164	185889	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	287743	20.00	ng	0.00
75) Chrysene-d12	14.47	240	230295	20.00	ng	0.00
86) Perylene-d12	16.10	264	177405	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.34	112	85474	12.45	ng	0.03
7) Phenol-d6	5.40	99	639614	79.02	ng	0.00
23) Nitrobenzene-d5	6.42	82	693641	96.76	ng	0.00
41) 2,4,6-Tribromophenol	10.37	330	18412	12.66	ng	0.00
44) 2-Fluorobiphenyl	8.58	172	1233756	97.65	ng	0.00
78) Terphenyl-d14	13.20	244	877436	101.84	ng	0.00
Target Compounds						
15) Benzyl Alcohol	5.95	79	13739	2.29	ng	# 49
19) n-Nitroso-di-n-propylamine	6.42	70	91284	17.02	ng	# 76
49) Dimethylphthalate	9.08	163	96029	6.93	ng	98
56) 2,4-Dinitrotoluene	9.40	165	24015	6.29	ng	# 34
70) Phenanthrene	11.25	178	46013	2.84	ng	99
71) Anthracene	11.25	178	46013	2.75	ng	99
73) Di-n-butylphthalate	11.97	149	168415	9.72	ng	97
74) Fluoranthene	12.71	202	54002	3.22	ng	98
77) Pyrene	12.98	202	48866	3.04	ng	97
79) Butylbenzylphthalate	13.81	149	14899	2.11	ng	91
87) Benzo(b)fluoranthene	15.69	252	32414	2.99	ng	# 91
88) Benzo(k)fluoranthene	15.69	252	32414	3.16	ng	# 95

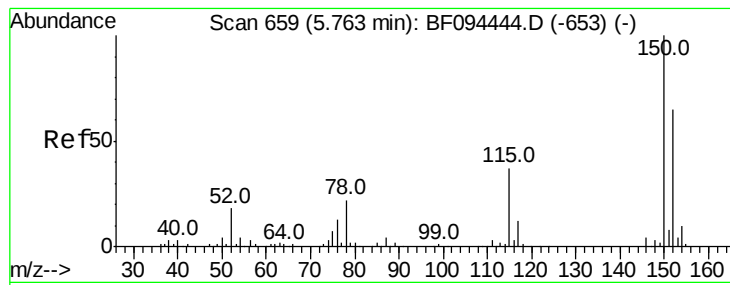
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF094693.D

Acq: 28 Apr 2017 19:38

Instrument :

BNA_F

ClientSampleId :

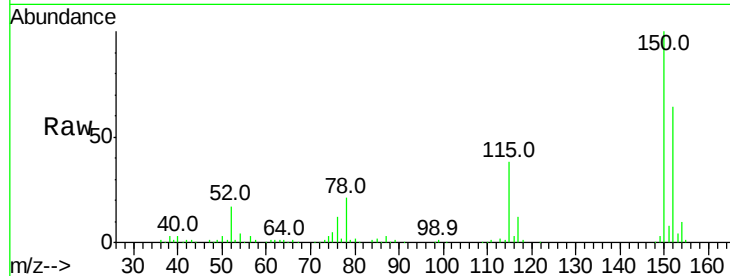
Tot Ion:152 Resp: 113915

Ion Ratio Lower Upper

152 100

150 156.2 126.2 189.2

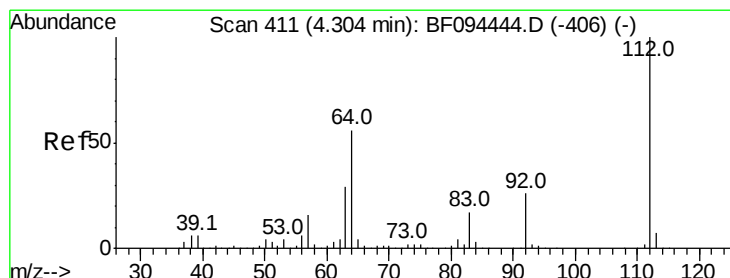
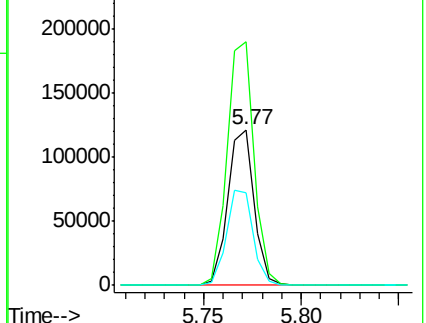
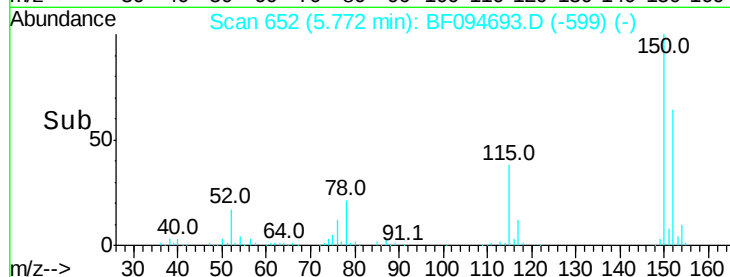
115 59.6 52.2 78.2



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: 12.45 ng

RT: 4.34 min Scan# 408

Delta R.T. 0.03 min

Lab File: BF094693.D

Acq: 28 Apr 2017 19:38

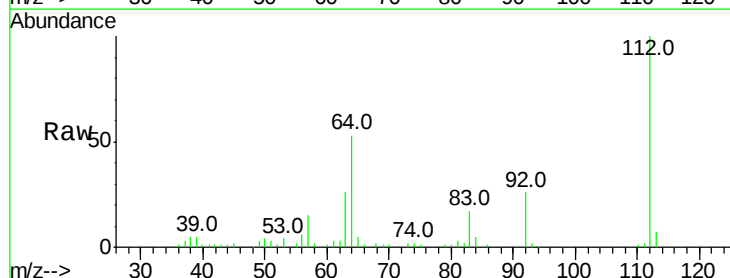
Tgt Ion:112 Resp: 85474

Ion Ratio Lower Upper

112 100

64 53.2 46.0 69.0

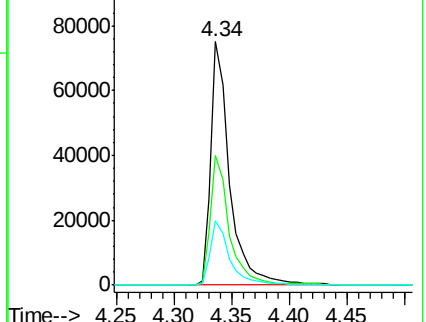
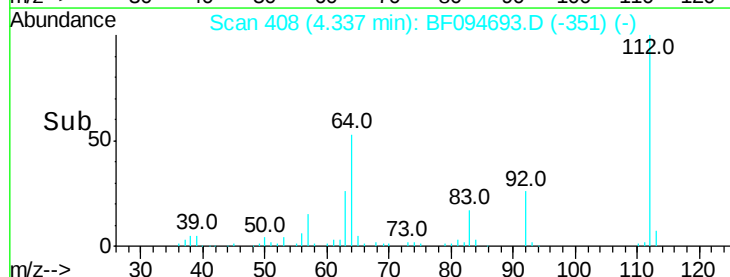
63 26.5 23.4 35.0

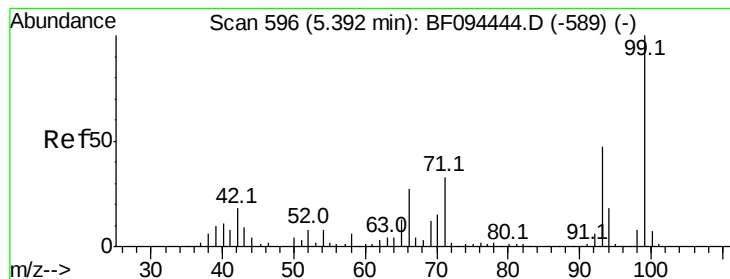


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 79.02 ng

RT: 5.40 min Scan# 588

Delta R.T. 0.00 min

Lab File: BF094693.D

Acq: 28 Apr 2017 19:38

Instrument :

BNA_F

ClientSampled :

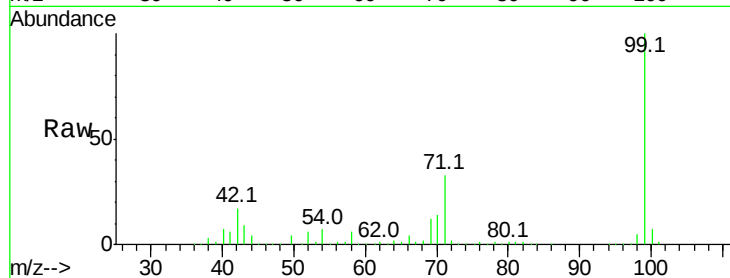
Tot Ion: 99 Resp: 639614

Ion Ratio Lower Upper

99 100

42 17.5 13.5 20.3

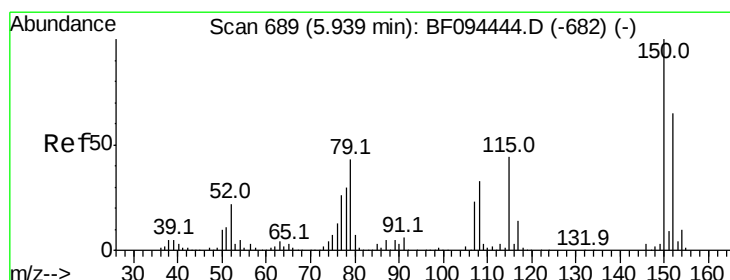
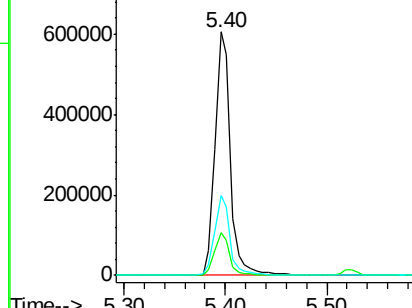
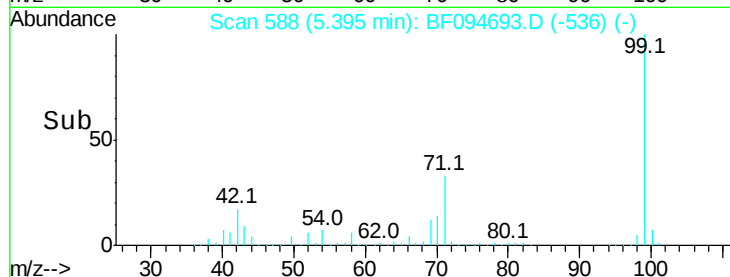
71 32.8 24.5 36.7



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



#15

Benzyl Alcohol

Concen: 2.29 ng

RT: 5.95 min Scan# 682

Delta R.T. 0.01 min

Lab File: BF094693.D

Acq: 28 Apr 2017 19:38

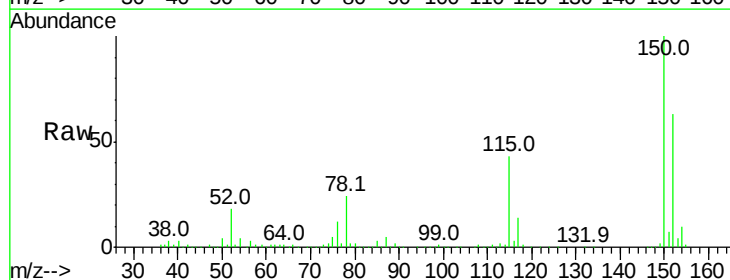
Tgt Ion: 79 Resp: 13739

Ion Ratio Lower Upper

79 100

108 31.7 63.4 95.0#

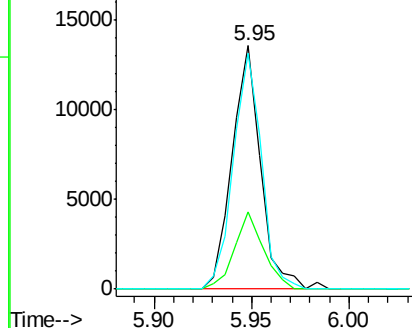
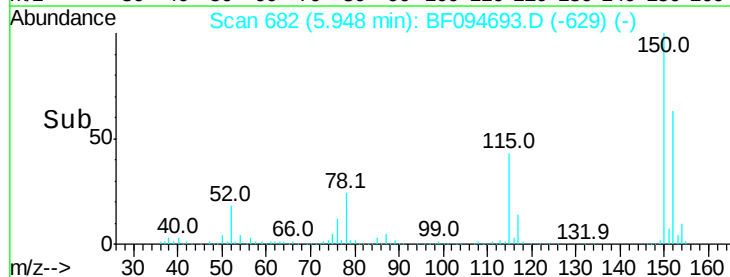
77 96.9 49.2 73.8#

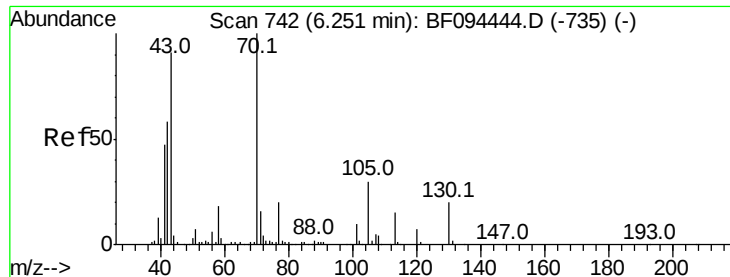


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 17.02 ng

RT: 6.42 min Scan# 763

Delta R.T. 0.17 min

Lab File: BF094693.D

Acq: 28 Apr 2017 19:38

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 91284

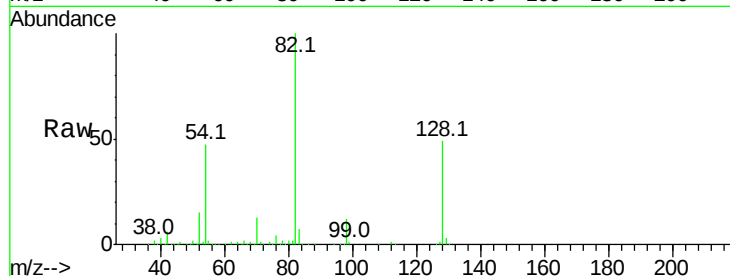
Ion Ratio Lower Upper

70 100

42 44.3 47.2 70.8#

101 0.0 7.2 10.8#

130 2.3 15.9 23.9#

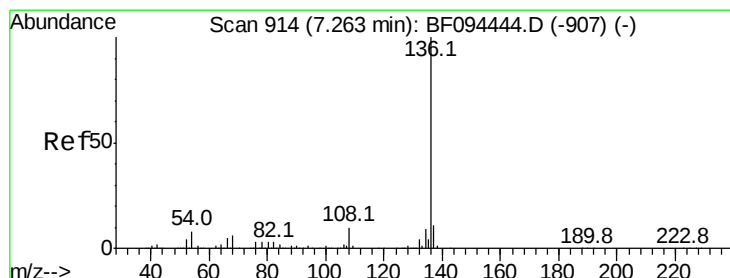
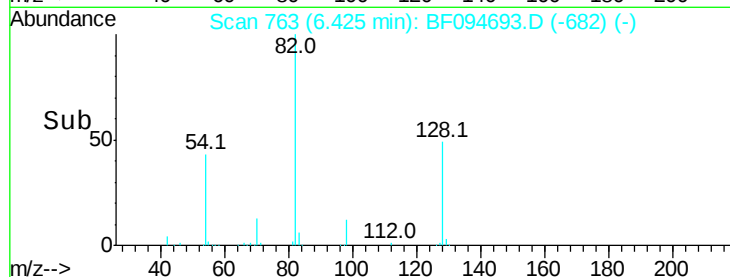
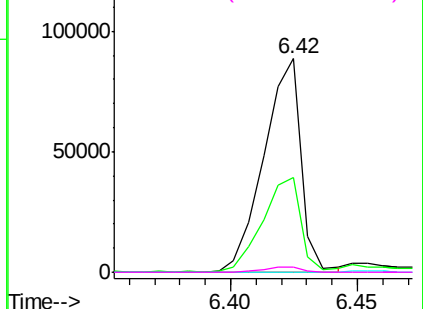


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.26 min Scan# 905

Delta R.T. -0.00 min

Lab File: BF094693.D

Acq: 28 Apr 2017 19:38

Tgt Ion:136 Resp: 442631

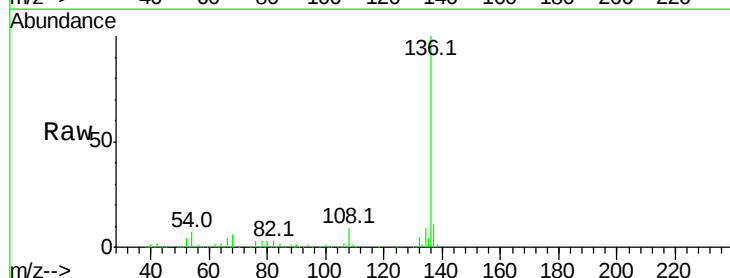
Ion Ratio Lower Upper

136 100

137 11.3 8.5 12.7

54 7.4 4.9 7.3#

68 5.8 4.1 6.1

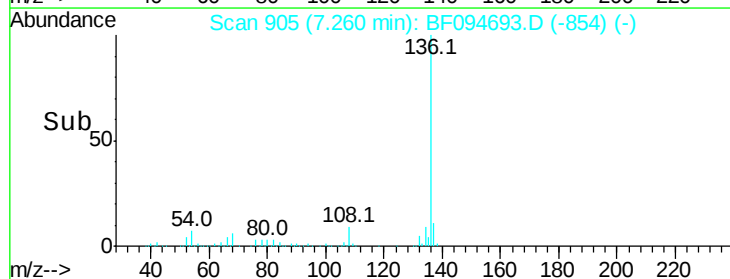
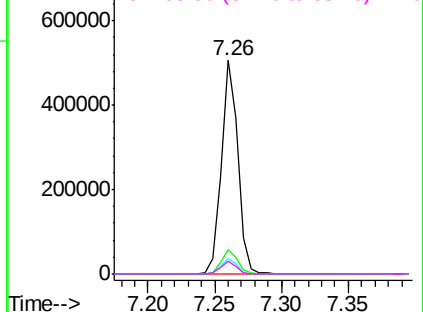


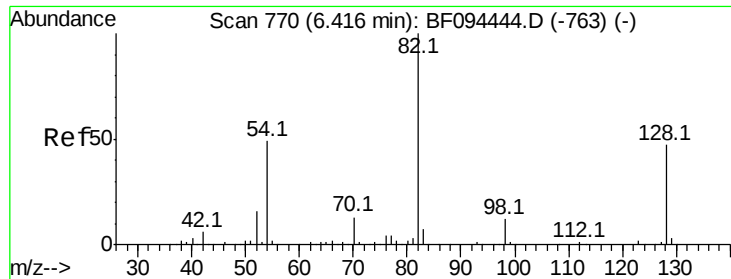
Abundance Ion 136.00 (135.70 to 136.70): E

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

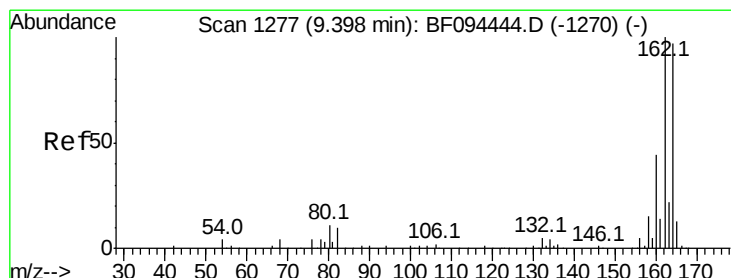
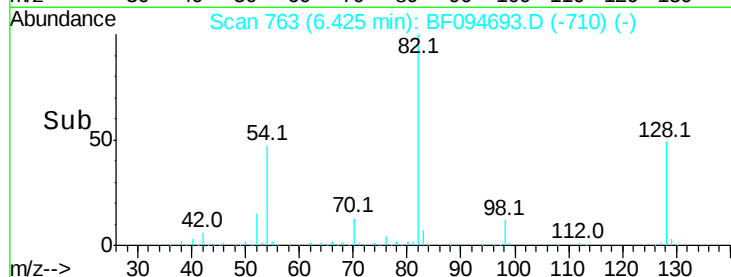
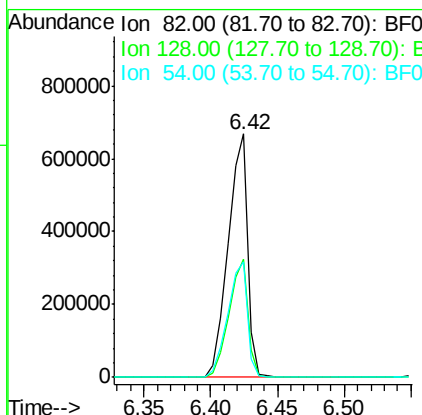
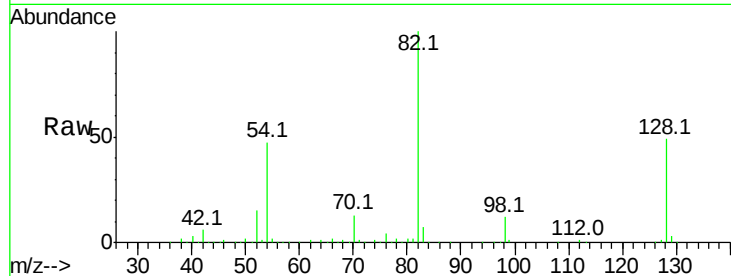




#23
 Nitrobenzene-d5
 Concen: 96.76 ng
 RT: 6.42 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: BF094693.D
 Acq: 28 Apr 2017 19:38

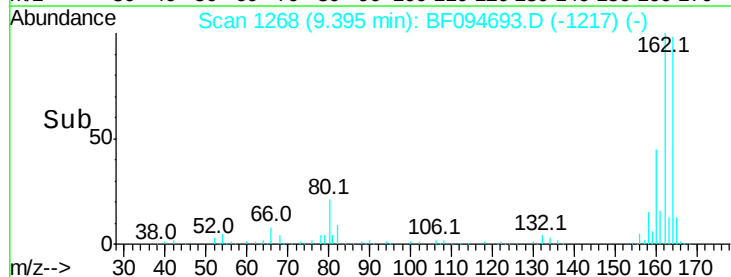
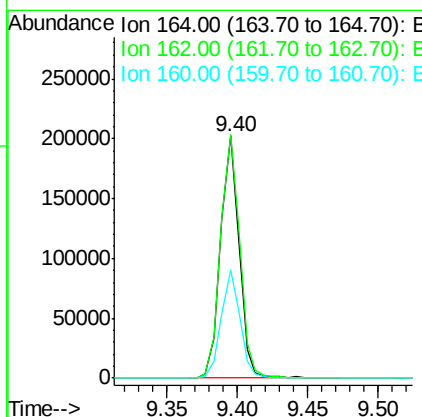
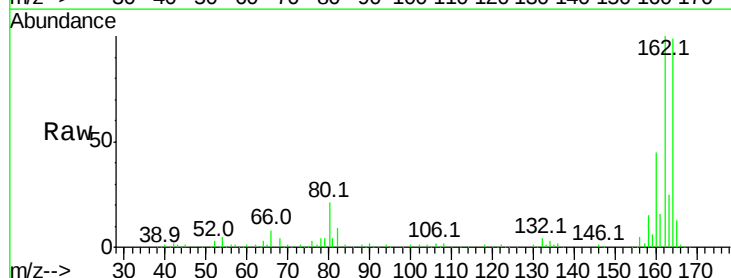
Instrument :
 BNA_F
 ClientSampled :

Tot Ion	82	Resp	693641
Ion Ratio	Lower	Upper	
82	100		
128	48.7	34.0	51.0
54	47.4	42.2	63.2



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.40 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: BF094693.D
 Acq: 28 Apr 2017 19:38

Tgt Ion	164	Resp	185889
Ion Ratio	Lower	Upper	
164	100		
162	100.6	82.6	123.8
160	44.8	36.2	54.2

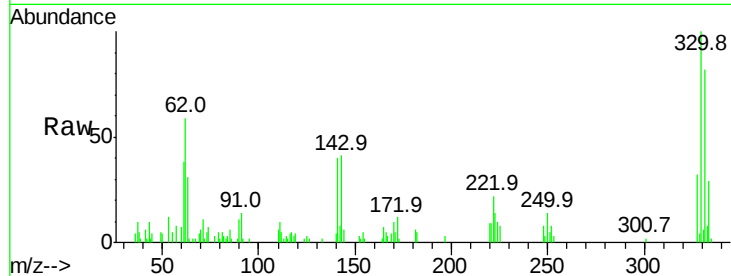




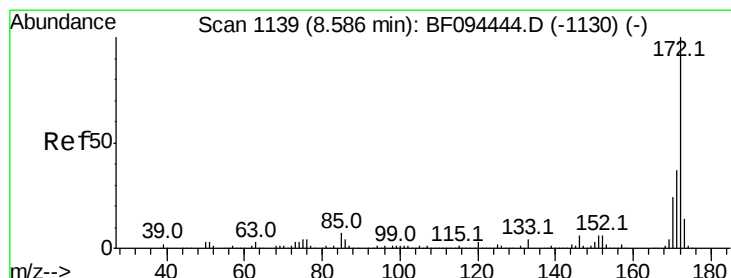
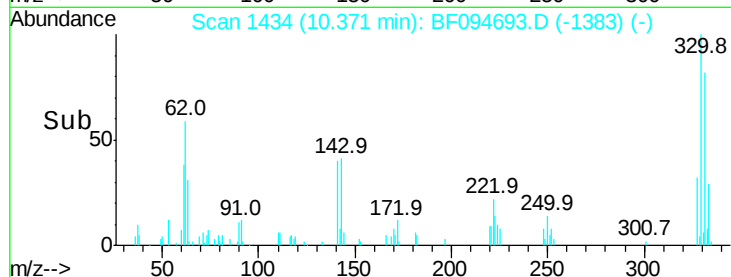
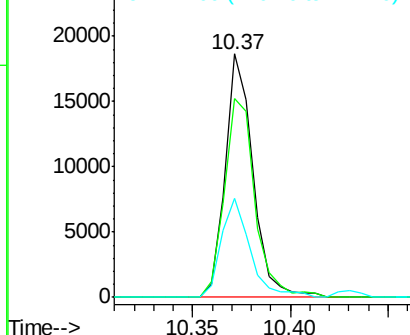
#41
 2,4,6-Tribromophenol
 Concen: 12.66 ng
 RT: 10.37 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: BF094693.D
 Acq: 28 Apr 2017 19:38

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 18412
 Ion Ratio Lower Upper
 330 100
 332 90.2 76.6 115.0
 141 41.9 31.4 47.2

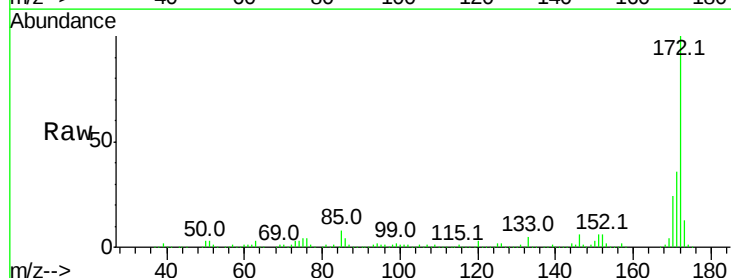


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

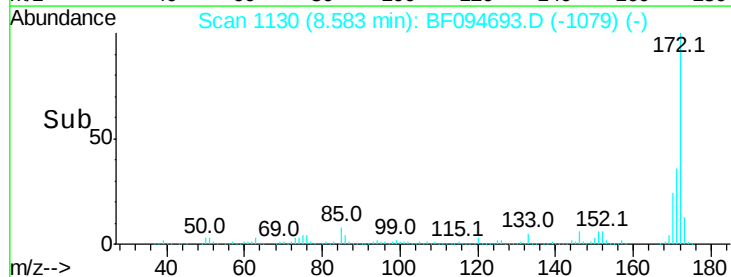
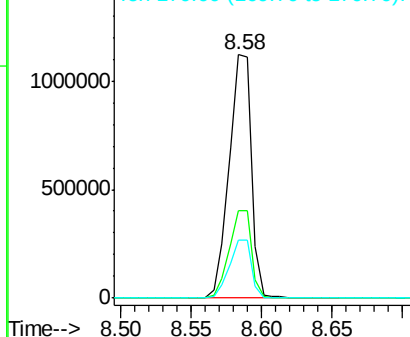


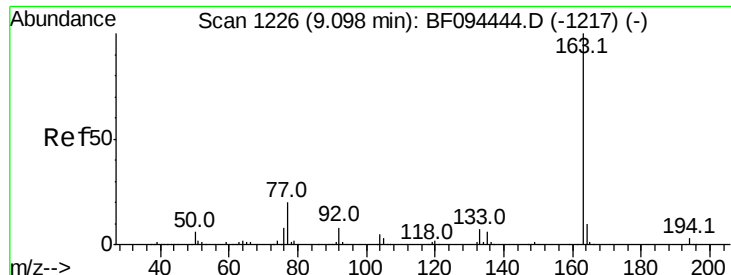
#44
 2-Fluorobiphenyl
 Concen: 97.65 ng
 RT: 8.58 min Scan# 1130
 Delta R.T. -0.00 min
 Lab File: BF094693.D
 Acq: 28 Apr 2017 19:38

Tgt Ion:172 Resp: 1233756
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.6 44.4
 170 23.9 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

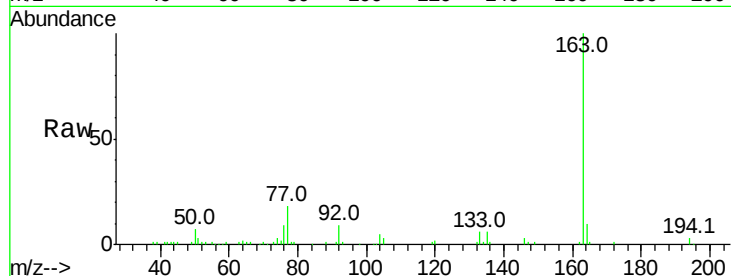




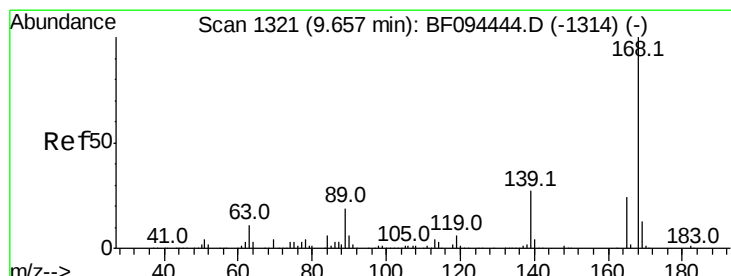
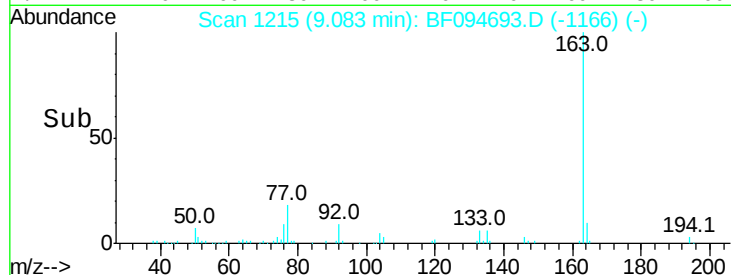
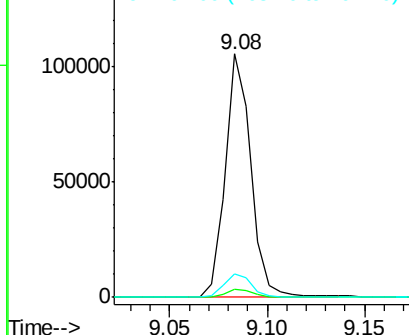
#49
Dimethylphthalate
Concen: 6.93 ng
RT: 9.08 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF094693.D
Acq: 28 Apr 2017 19:38

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 96029
Ion Ratio Lower Upper
163 100
194 3.3 2.6 4.0
164 9.6 8.4 12.6

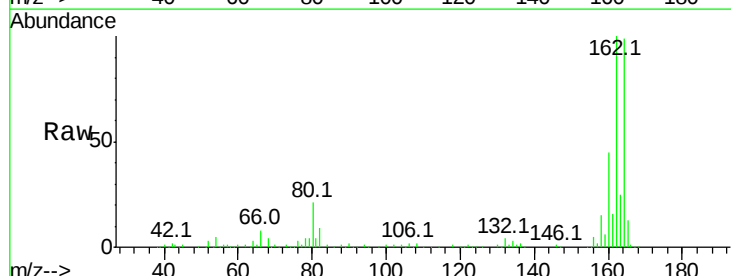


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

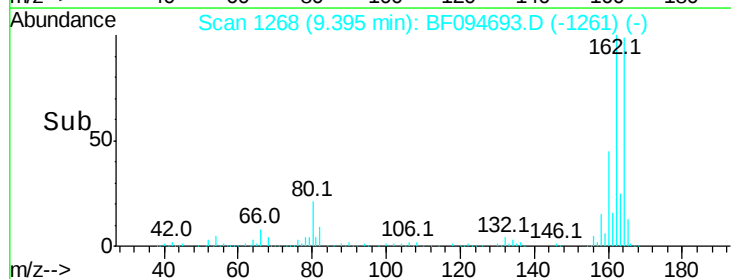
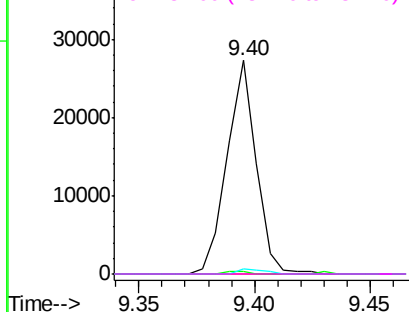


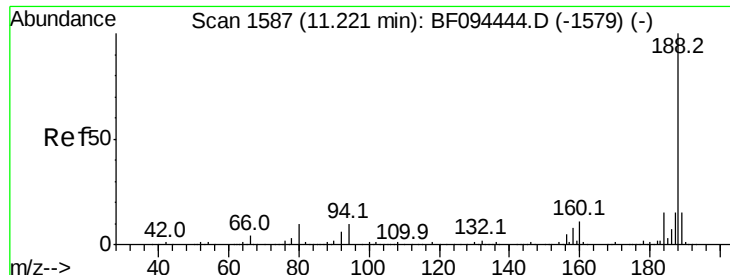
#56
2,4-Dinitrotoluene
Concen: 6.29 ng
RT: 9.40 min Scan# 1268
Delta R.T. -0.26 min
Lab File: BF094693.D
Acq: 28 Apr 2017 19:38

Tgt Ion:165 Resp: 24015
Ion Ratio Lower Upper
165 100
63 1.4 25.4 38.0#
89 2.5 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

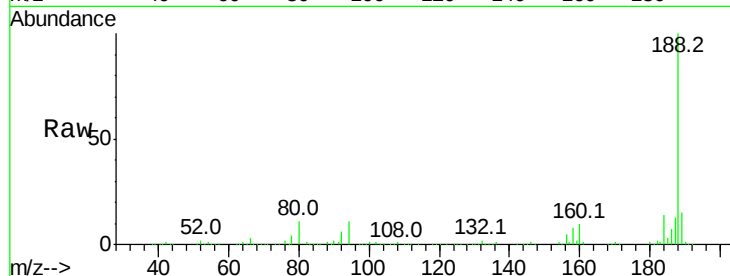




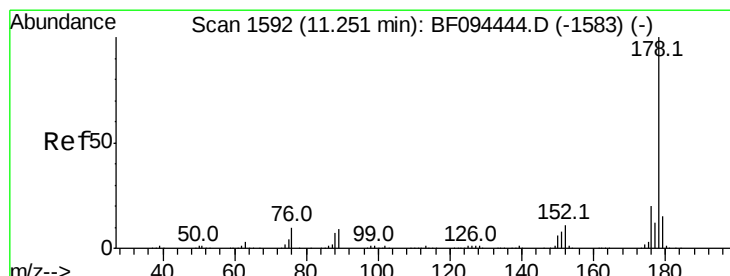
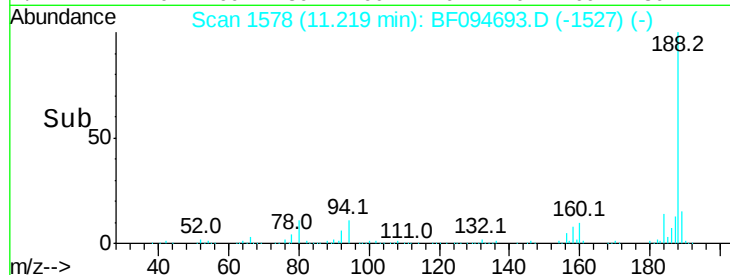
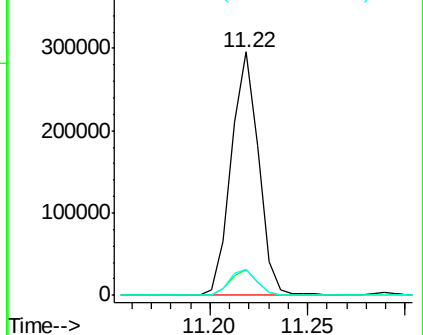
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.22 min Scan# 1578
Delta R.T. -0.00 min
Lab File: BF094693.D
Acq: 28 Apr 2017 19:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 287743
Ion Ratio Lower Upper
188 100
94 10.6 9.4 14.2
80 10.9 10.2 15.2

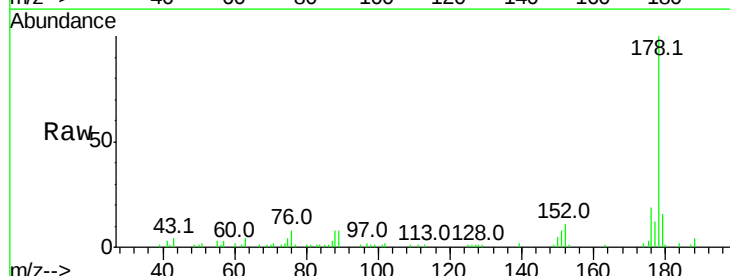


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

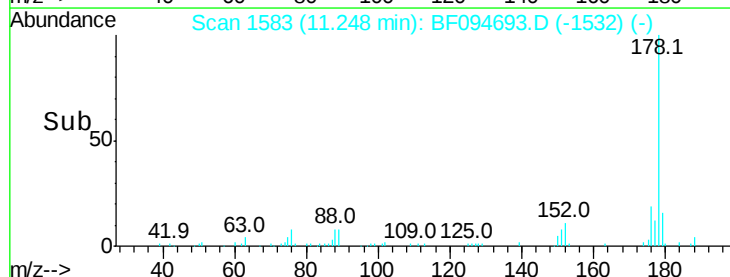
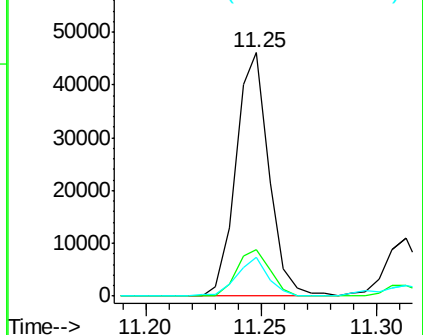


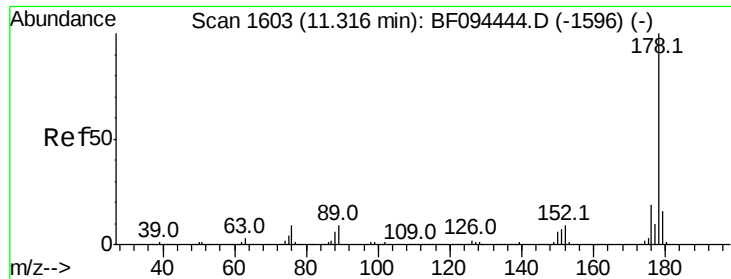
#70
Phenanthrene
Concen: 2.84 ng
RT: 11.25 min Scan# 1583
Delta R.T. -0.00 min
Lab File: BF094693.D
Acq: 28 Apr 2017 19:38

Tgt Ion:178 Resp: 46013
Ion Ratio Lower Upper
178 100
176 19.2 16.2 24.4
179 15.7 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

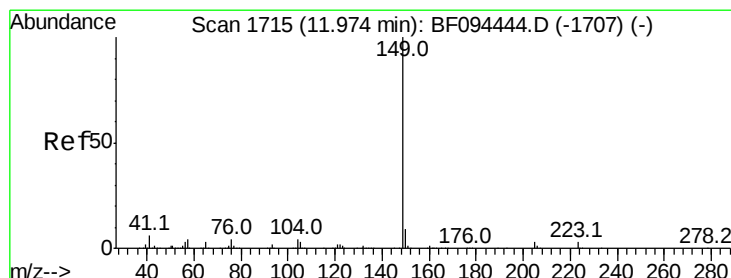
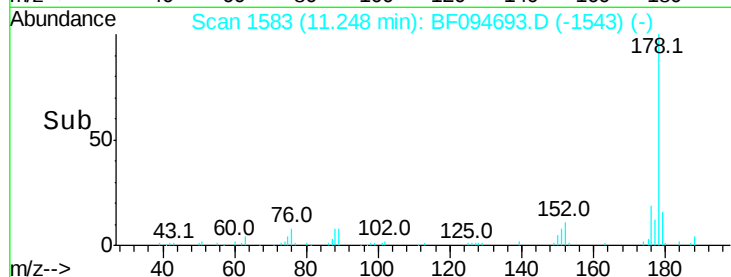
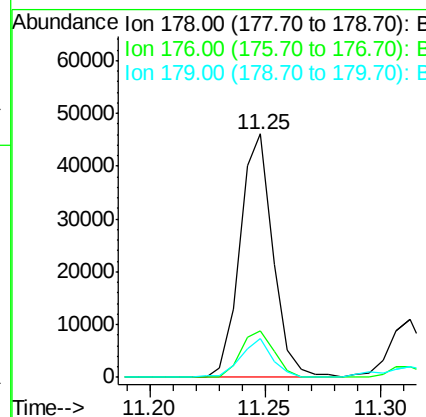
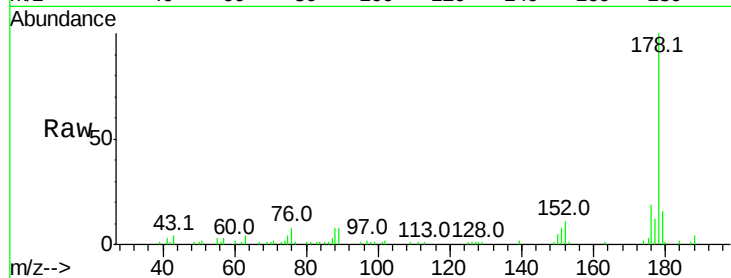




#71
 Anthracene
 Concen: 2.75 ng
 RT: 11.25 min Scan# 1583
 Delta R.T. -0.07 min
 Lab File: BF094693.D
 Acq: 28 Apr 2017 19:38

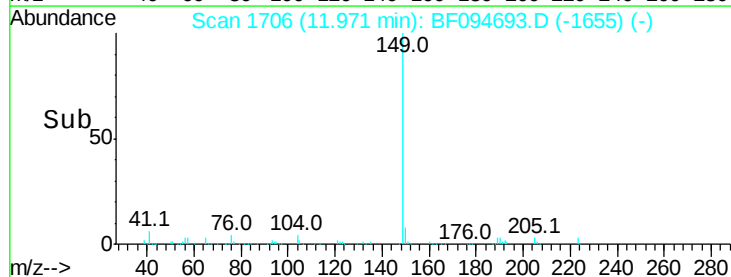
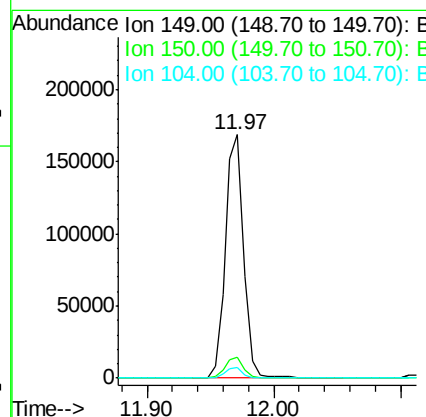
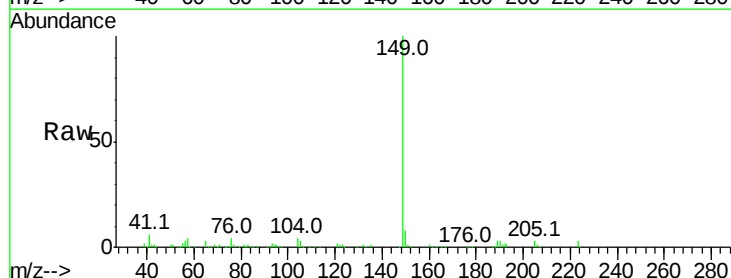
Instrument :
 BNA_F
 ClientSampleId :

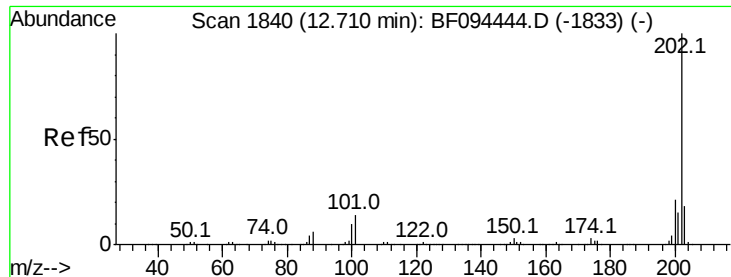
Tot Ion:178 Resp: 46013
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.8 23.8
 179 15.7 12.7 19.1



#73
 Di-n-butylphthalate
 Concen: 9.72 ng
 RT: 11.97 min Scan# 1706
 Delta R.T. -0.00 min
 Lab File: BF094693.D
 Acq: 28 Apr 2017 19:38

Tgt Ion:149 Resp: 168415
 Ion Ratio Lower Upper
 149 100
 150 8.5 7.7 11.5
 104 4.1 4.0 6.0





#74

Fluoranthene

Concen: 3.22 ng

RT: 12.71 min Scan# 1832

Delta R.T. 0.00 min

Lab File: BF094693.D

Acq: 28 Apr 2017 19:38

Instrument :

BNA_F

ClientSampleId :

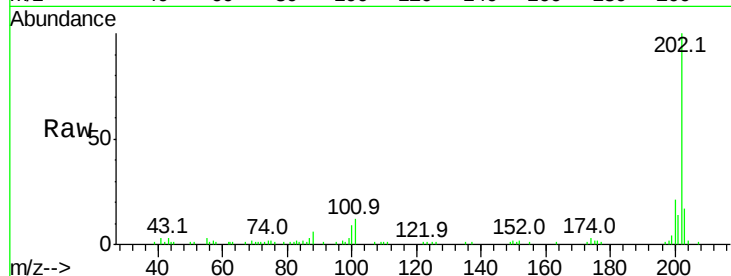
Tot Ion:202 Resp: 54002

Ion Ratio Lower Upper

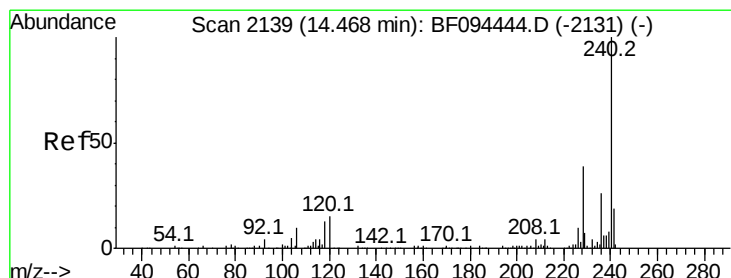
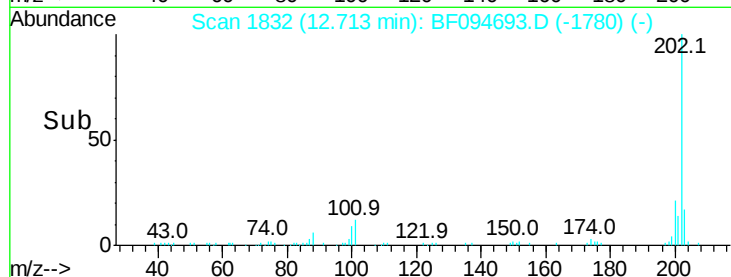
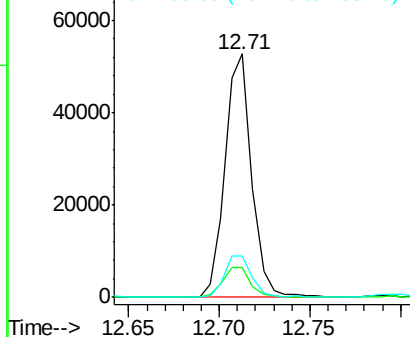
202 100

101 12.3 0.0 33.2

203 16.9 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.47 min Scan# 2131

Delta R.T. 0.00 min

Lab File: BF094693.D

Acq: 28 Apr 2017 19:38

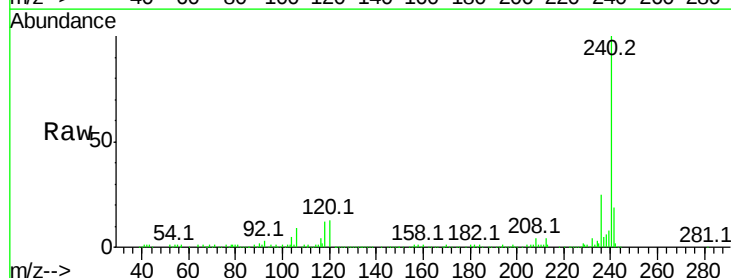
Tgt Ion:240 Resp: 230295

Ion Ratio Lower Upper

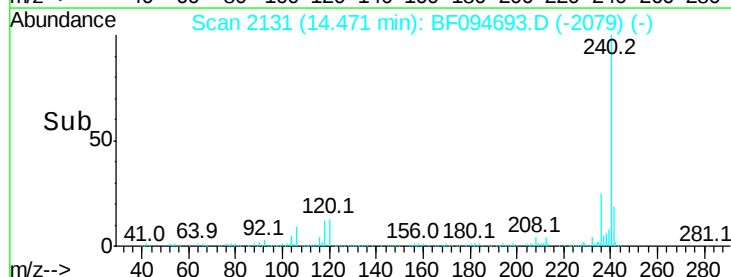
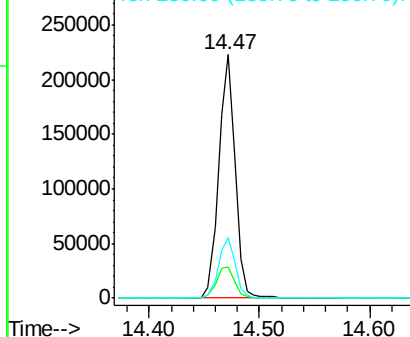
240 100

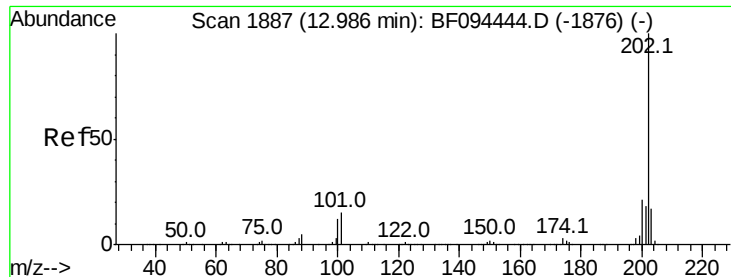
120 12.8 5.8 8.8#

236 24.9 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: 3.04 ng

RT: 12.98 min Scan# 1878

Delta R.T. -0.00 min

Lab File: BF094693.D

Acq: 28 Apr 2017 19:38

Instrument :

BNA_F

ClientSampleId :

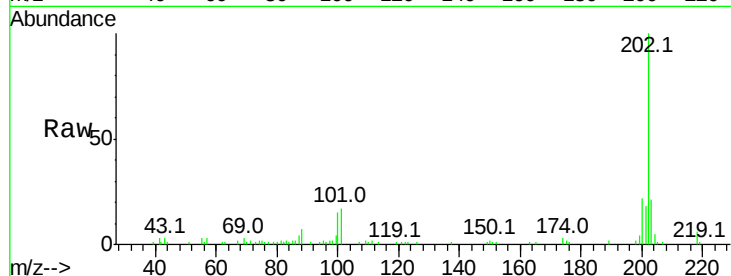
Tot Ion:202 Resp: 48866

Ion Ratio Lower Upper

202 100

200 21.6 17.6 26.4

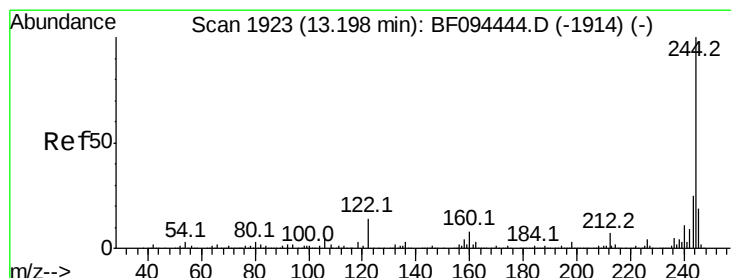
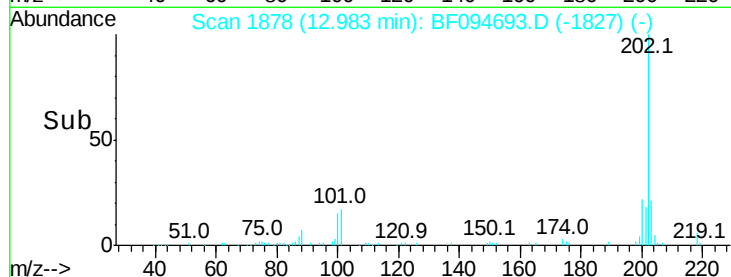
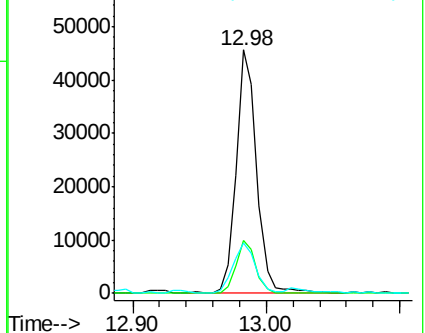
203 20.6 14.4 21.6



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: 101.84 ng

RT: 13.20 min Scan# 1915

Delta R.T. 0.00 min

Lab File: BF094693.D

Acq: 28 Apr 2017 19:38

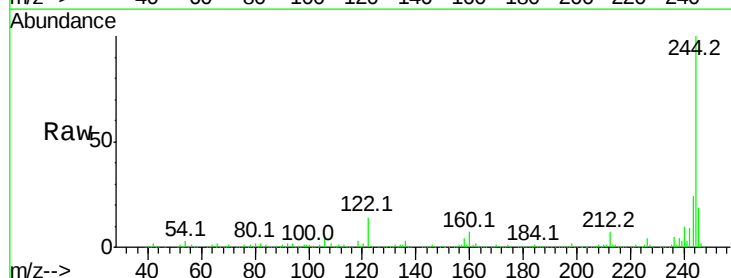
Tgt Ion:244 Resp: 877436

Ion Ratio Lower Upper

244 100

212 6.8 6.0 9.0

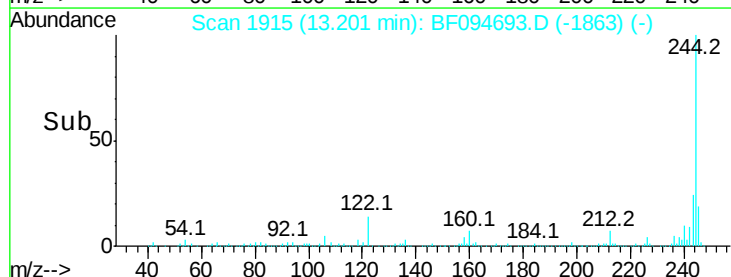
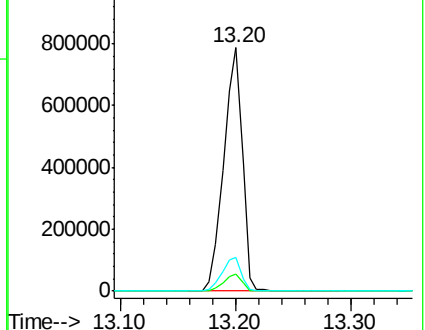
122 13.6 10.3 15.5

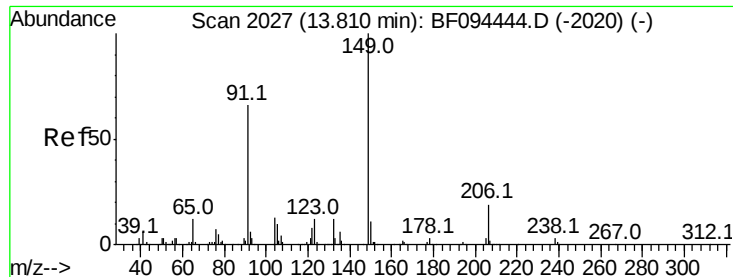


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

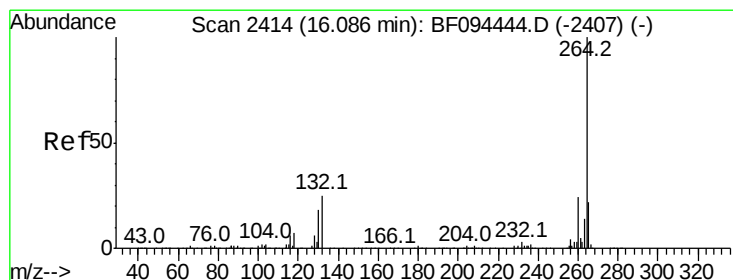
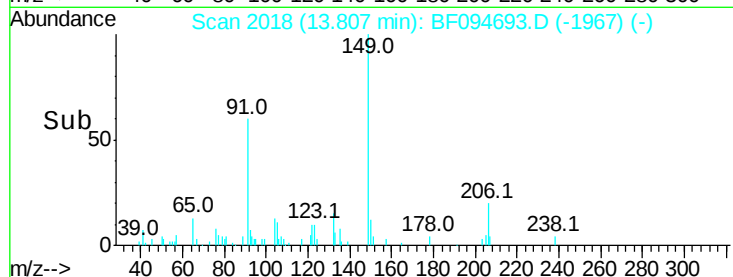
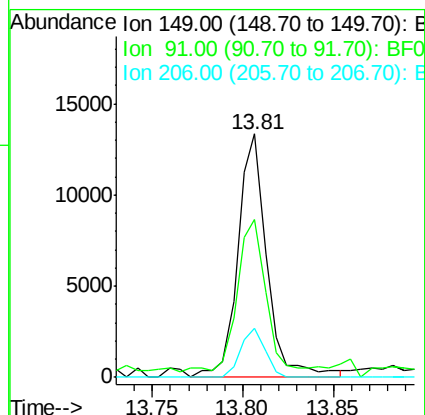
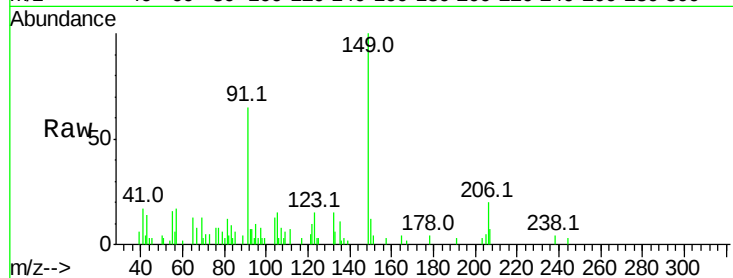




#79
Butylbenzylphthalate
Concen: 2.11 ng
RT: 13.81 min Scan# 2018
Delta R.T. -0.00 min
Lab File: BF094693.D
Acq: 28 Apr 2017 19:38

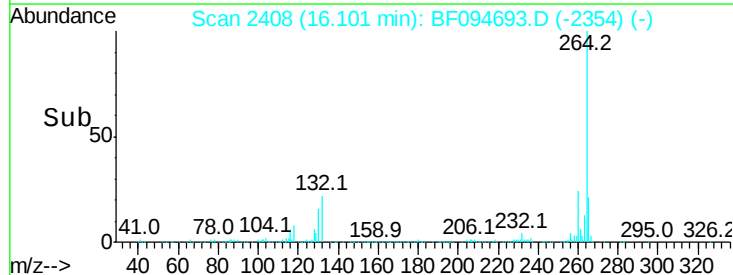
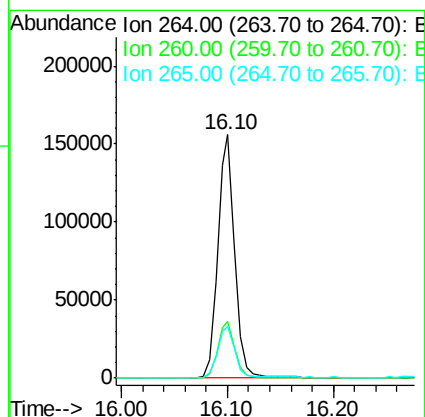
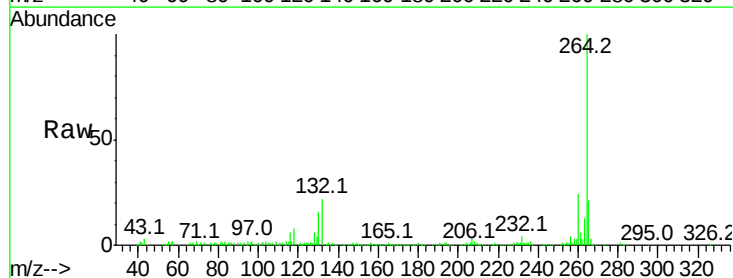
Instrument :
BNA_F
ClientSampleId :

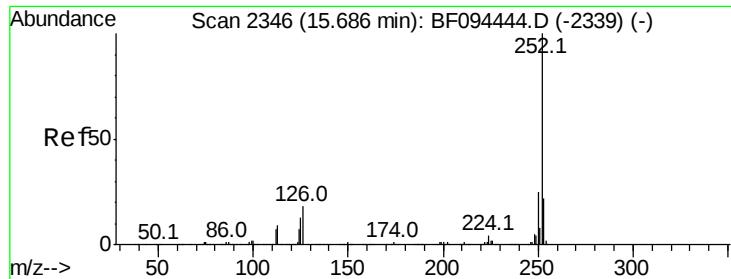
Tot Ion:149 Resp: 14899
Ion Ratio Lower Upper
149 100
91 64.6 45.0 67.4
206 20.1 17.0 25.6



#86
Perylene-d12
Concen: 20.00 ng
RT: 16.10 min Scan# 2408
Delta R.T. 0.01 min
Lab File: BF094693.D
Acq: 28 Apr 2017 19:38

Tgt Ion:264 Resp: 177405
Ion Ratio Lower Upper
264 100
260 23.5 19.5 29.3
265 21.4 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 2.99 ng

RT: 15.69 min Scan# 2339

Delta R.T. 0.01 min

Lab File: BF094693.D

Acq: 28 Apr 2017 19:38

Instrument :

BNA_F

ClientSampleId :

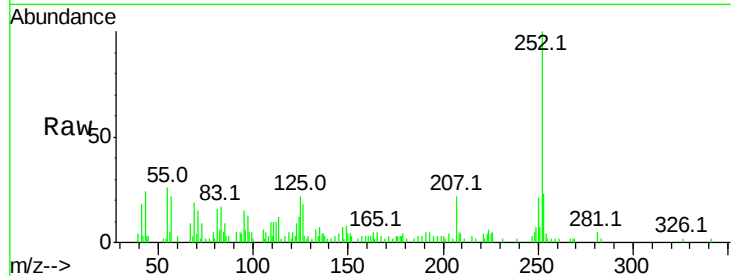
Tot Ion:252 Resp: 32414

Ion Ratio Lower Upper

252 100

253 22.8 18.1 27.1

125 21.7 9.8 14.8#

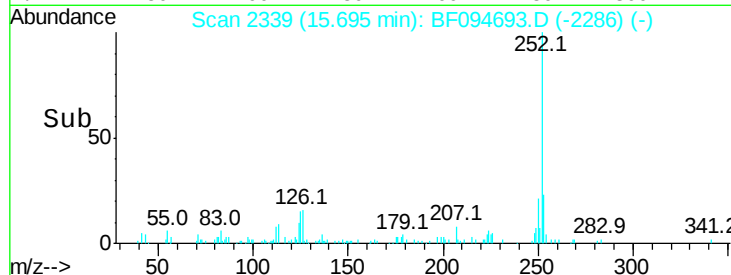


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



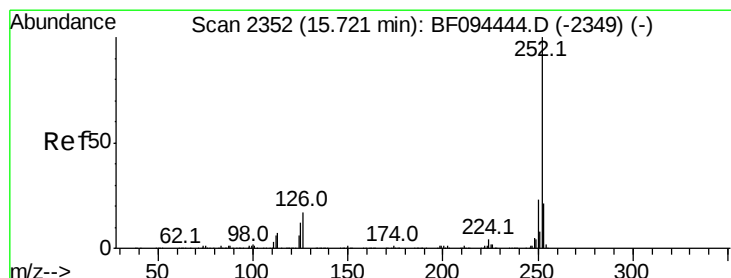
Abundance

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: 3.16 ng

RT: 15.69 min Scan# 2339

Delta R.T. -0.03 min

Lab File: BF094693.D

Acq: 28 Apr 2017 19:38

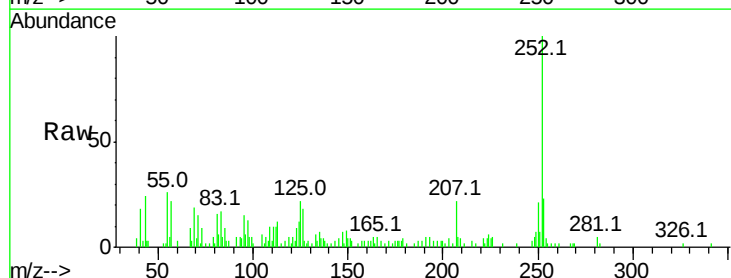
Tgt Ion:252 Resp: 32414

Ion Ratio Lower Upper

252 100

253 22.8 18.4 27.6

125 21.7 13.1 19.7#

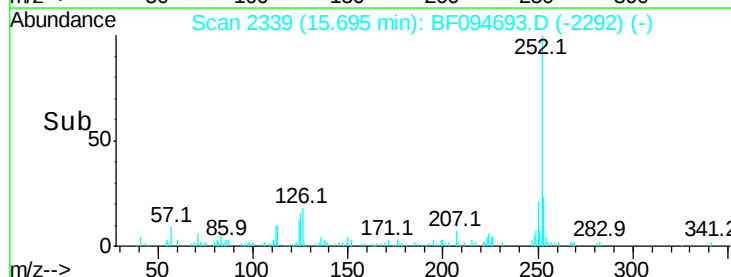


Abundance Ion 252.00 (251.70 to 252.70): E

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-->