

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110416\
 Data File : BF091034.D
 Acq On : 4 Nov 2016 21:35
 Operator : UM/SJ
 Sample : H5526-02
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-98-4.5-5.0

Quant Time: Nov 04 23:26:27 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 04 11:03:12 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	176031	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	682441	20.00	ng	-0.01
38) Acenaphthene-d10	9.74	164	336226	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	452962	20.00	ng	-0.01
75) Chrysene-d12	13.85	240	329348	20.00	ng	-0.01
86) Perylene-d12	15.24	264	294518	20.00	ng	0.00

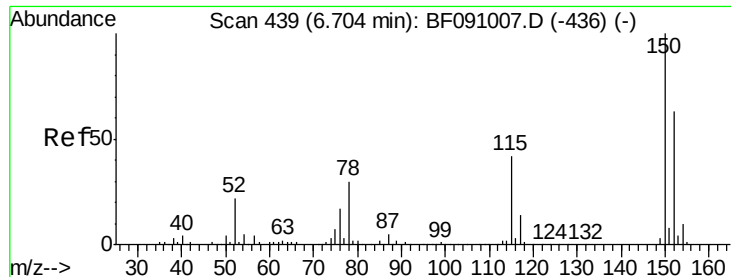
System Monitoring Compounds

5) 2-Fluorophenol	5.31	112	1684331	158.03	ng	0.02
7) Phenol-d6	6.36	99	2170202	150.01	ng	0.01
23) Nitrobenzene-d5	7.28	82	1454673	116.28	ng	0.00
41) 2,4,6-Tribromophenol	10.53	330	410771	135.14	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1828990	93.65	ng	0.00
78) Terphenyl-d14	12.81	244	1328273	100.64	ng	0.00

Target Compounds

						Qvalue
9) Benzaldehyde	6.48	77	38394	4.78	ng	92
15) Benzyl Alcohol	6.85	79	22428	2.20	ng	# 57
19) n-Nitroso-di-n-propylamine	7.28	70	203106	20.26	ng	# 76
25) Isophorone	7.28	82	1387895	57.57	ng	# 67
49) Dimethylphthalate	9.47	163	587253	26.64	ng	99
55) 4-Nitrophenol	9.95	139	354	5.82	ng	# 1
56) 2,4-Dinitrotoluene	9.74	165	43048	7.16	ng	# 26
66) 4-Bromophenyl-phenylether	10.53	248	29289	6.22	ng	# 1
74) Fluoranthene	12.43	202	172249	6.90	ng	91
77) Pyrene	12.66	202	141450	6.56	ng	95
80) Benzo(a)anthracene	13.85	228	96662	5.17	ng	99
82) Chrysene	13.85	228	96662	5.24	ng	97
85) Indeno(1,2,3-cd)pyrene	16.55	276	58560	3.83	ng	93
87) Benzo(b)fluoranthene	14.85	252	185862	9.30	ng	# 95
88) Benzo(k)fluoranthene	14.85	252	185862	10.61	ng	97
89) Benzo(a)pyrene	15.19	252	78148	4.49	ng	# 97
91) Benzo(g,h,i)perylene	16.93	276	55030	4.05	ng	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.70 min Scan# 439

Delta R.T. 0.00 min

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SB-98-4.5-5.0

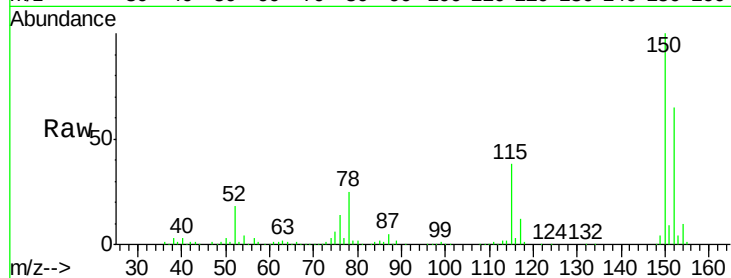
Tgt Ion:152 Resp: 176031

Ion Ratio Lower Upper

152 100

150 154.1 126.8 190.2

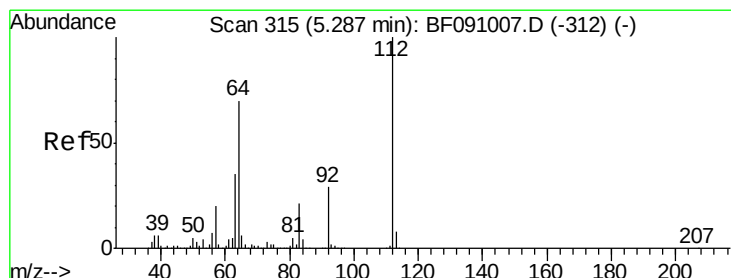
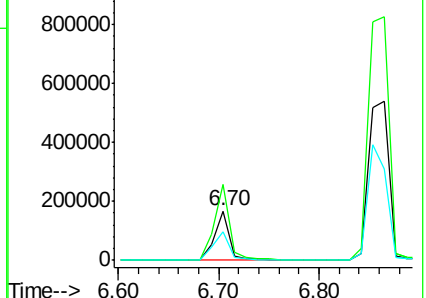
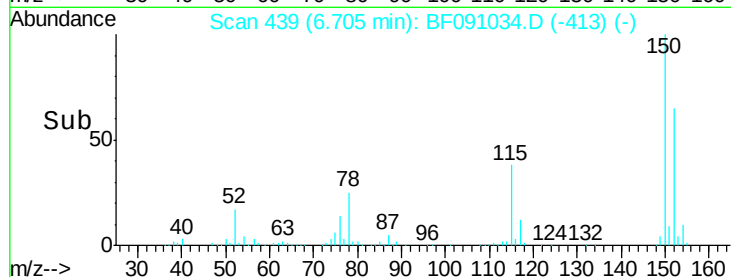
115 59.0 53.3 79.9



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: 158.03 ng

RT: 5.31 min Scan# 317

Delta R.T. 0.02 min

Lab File: BF091034.D

Acq: 4 Nov 2016 21:35

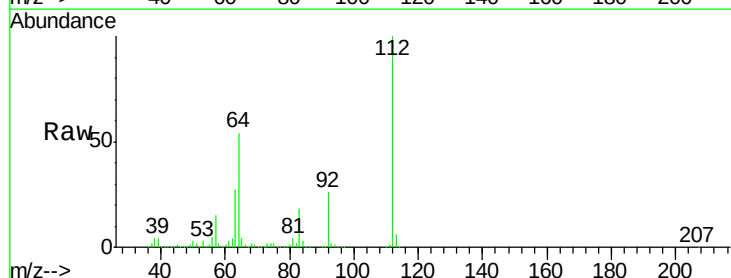
Tgt Ion:112 Resp: 1684331

Ion Ratio Lower Upper

112 100

64 54.0 55.8 83.6#

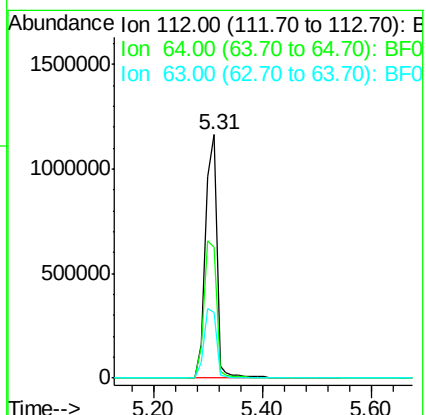
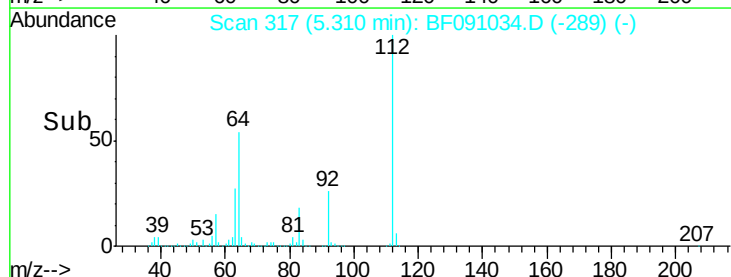
63 26.9 28.0 42.0#

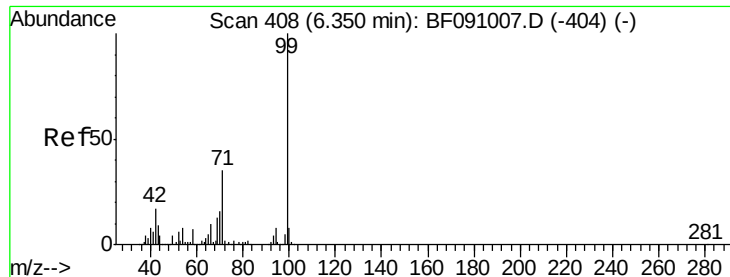


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 150.01 ng

RT: 6.36 min Scan# 409

Delta R.T. 0.01 min

Lab File: BF091034.D

Acq: 4 Nov 2016 21:35

Instrument :

BNA_F

ClientSampleId :

SB-98-4.5-5.0

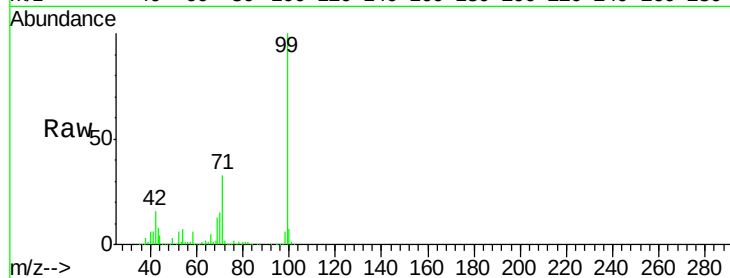
Tgt Ion: 99 Resp: 2170202

Ion Ratio Lower Upper

99 100

42 15.9 13.9 20.9

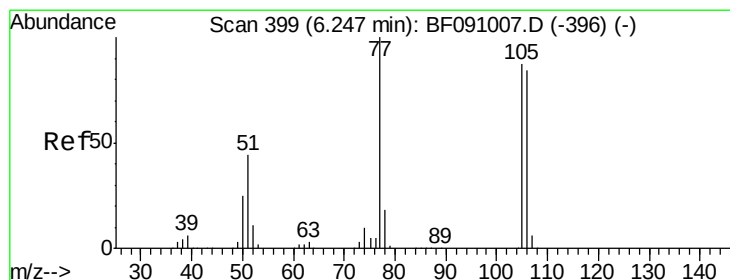
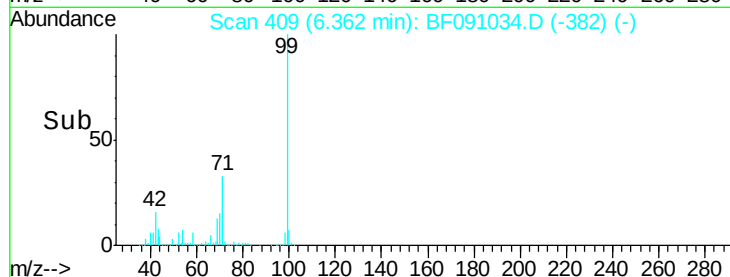
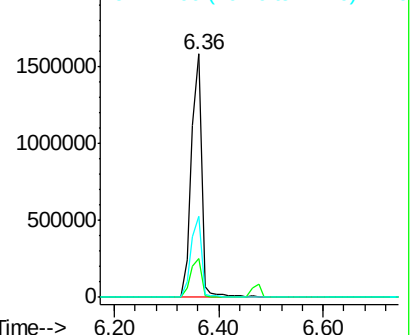
71 33.4 27.8 41.8



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



#9

Benzaldehyde

Concen: 4.78 ng

RT: 6.48 min Scan# 419

Delta R.T. 0.23 min

Lab File: BF091034.D

Acq: 4 Nov 2016 21:35

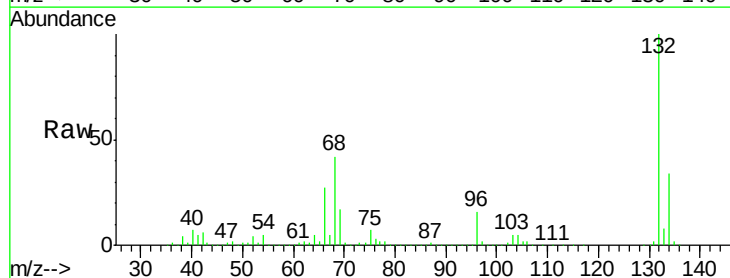
Tgt Ion: 77 Resp: 38394

Ion Ratio Lower Upper

77 100

105 81.6 66.8 106.8

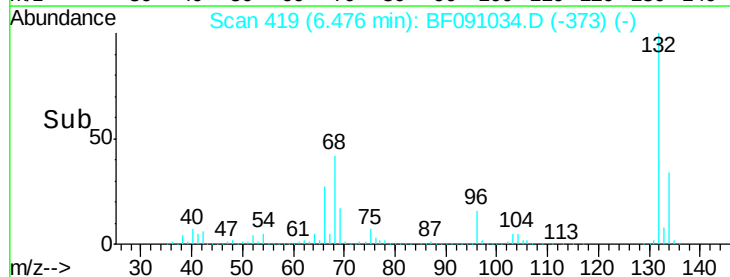
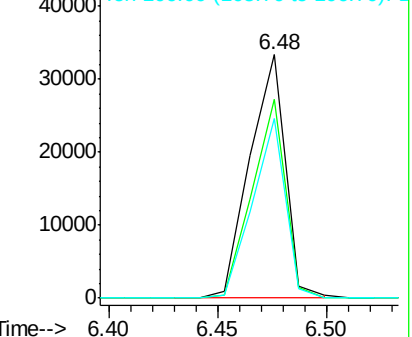
106 73.7 64.0 104.0

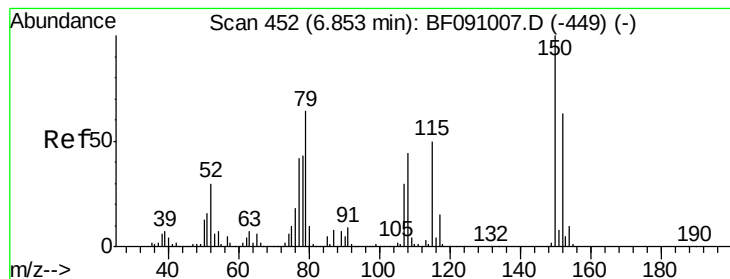


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.20 ng

RT: 6.85 min Scan# 452

Delta R.T. 0.00 min

Lab File: BF091034.D

Acq: 4 Nov 2016 21:35

Instrument :

BNA_F

ClientSampleId :

SB-98-4.5-5.0

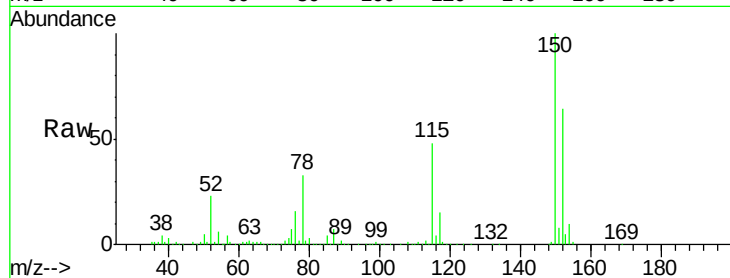
Tgt Ion: 79 Resp: 22428

Ion Ratio Lower Upper

79 100

108 26.2 55.7 83.5#

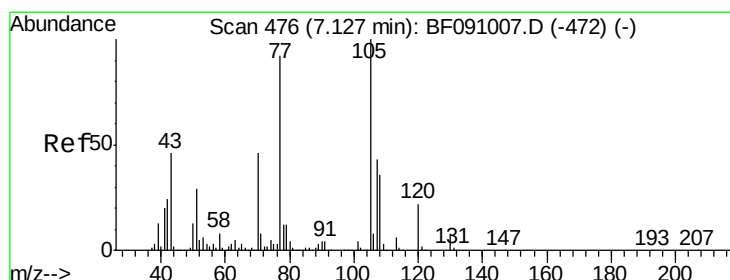
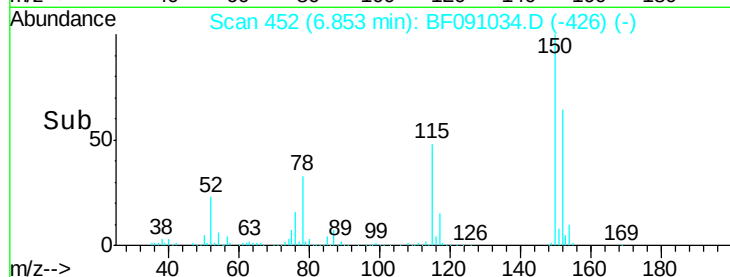
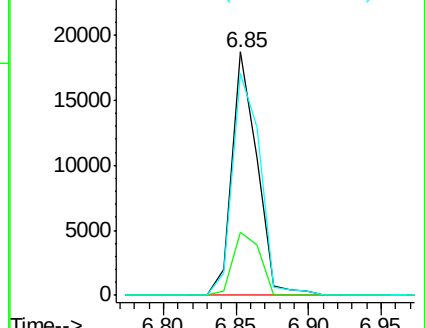
77 91.2 52.6 79.0#



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: 20.26 ng

RT: 7.28 min Scan# 489

Delta R.T. 0.15 min

Lab File: BF091034.D

Acq: 4 Nov 2016 21:35

Tgt Ion: 70 Resp: 203106

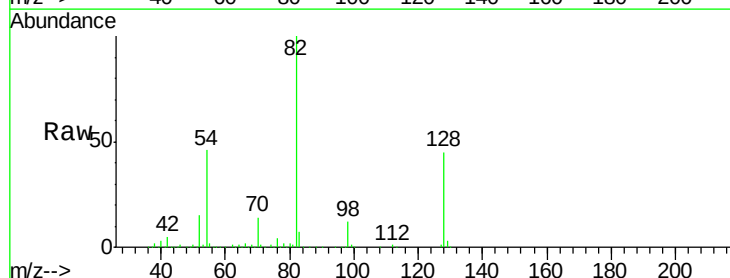
Ion Ratio Lower Upper

70 100

42 37.5 41.7 62.5#

101 0.0 6.7 10.1#

130 2.1 13.8 20.8#

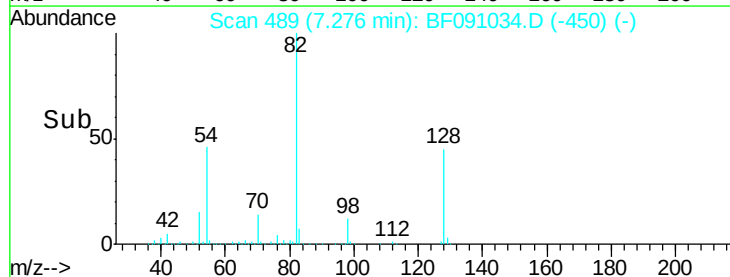
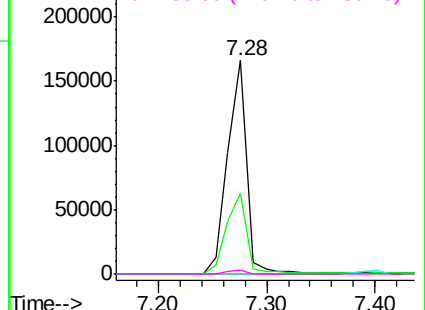


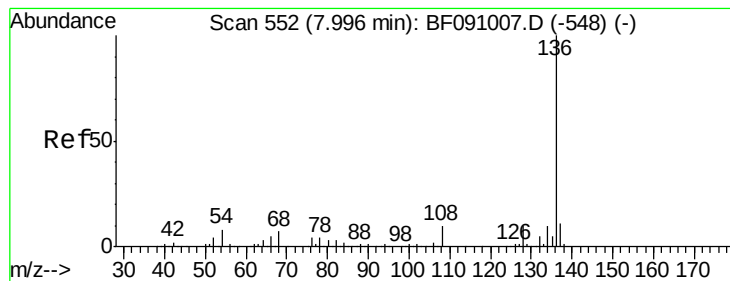
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.98 min Scan# 551

Delta R.T. -0.01 min

Lab File: BF091034.D

Acq: 4 Nov 2016 21:35

Instrument :

BNA_F

ClientSampleId :

SB-98-4.5-5.0

Tgt Ion:136 Resp: 682441

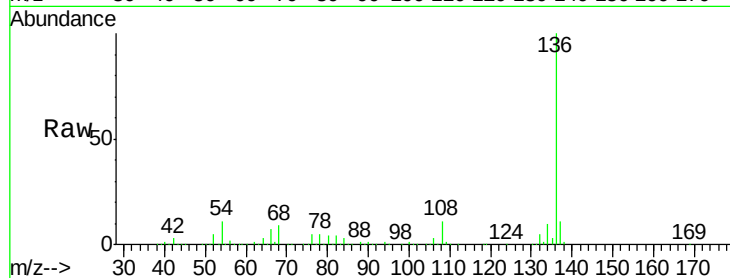
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 11.2 6.2 9.2#

68 9.2 5.5 8.3#

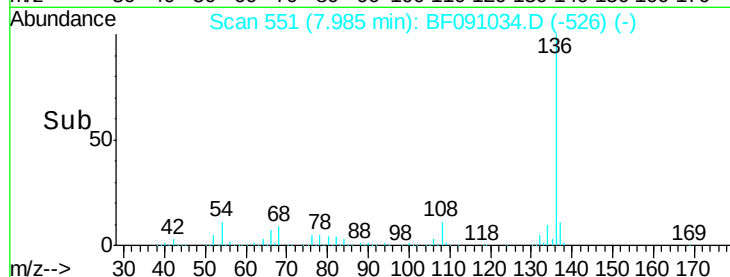


Abundance Ion 136.00 (135.70 to 136.70): E

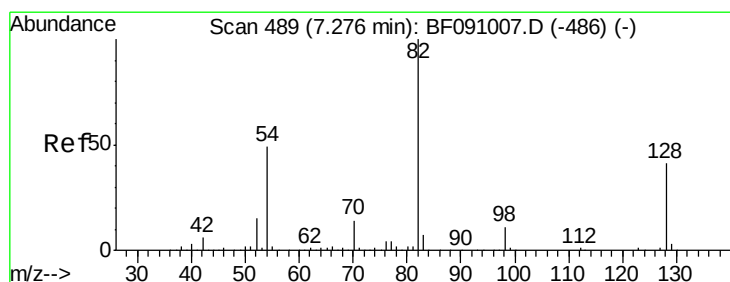
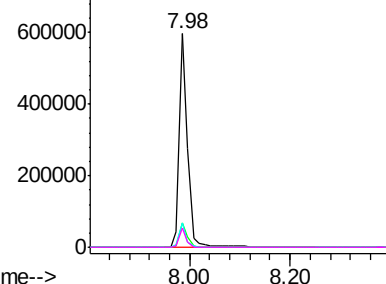
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 116.28 ng

RT: 7.28 min Scan# 489

Delta R.T. 0.00 min

Lab File: BF091034.D

Acq: 4 Nov 2016 21:35

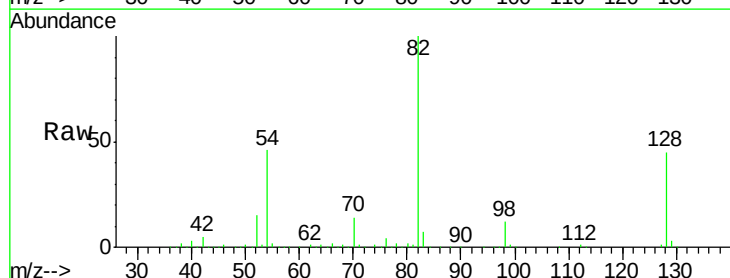
Tgt Ion: 82 Resp: 1454673

Ion Ratio Lower Upper

82 100

128 45.0 32.4 48.6

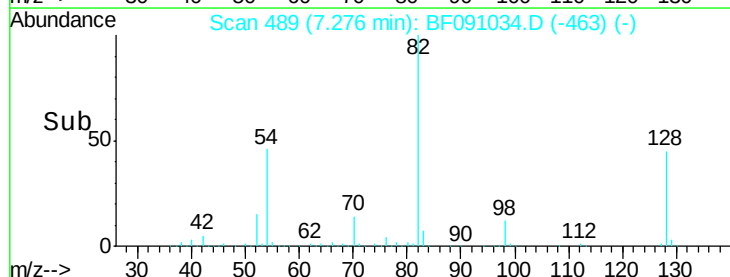
54 46.5 39.2 58.8



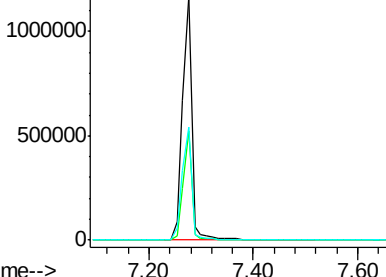
Abundance Ion 82.00 (81.70 to 82.70): BF0

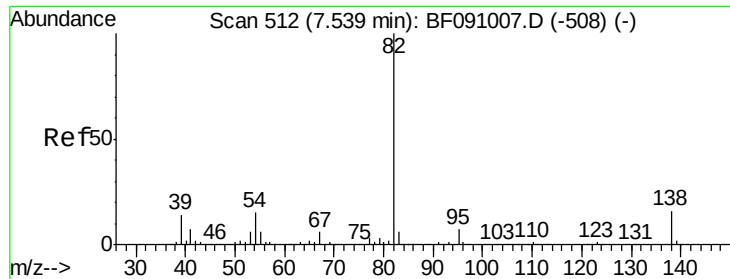
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->





#25

Isophorone

Concen: 57.57 ng

RT: 7.28 min Scan# 489

Delta R.T. -0.26 min

Lab File: BF091034.D

Acq: 4 Nov 2016 21:35

Instrument :

BNA_F

ClientSampleId :

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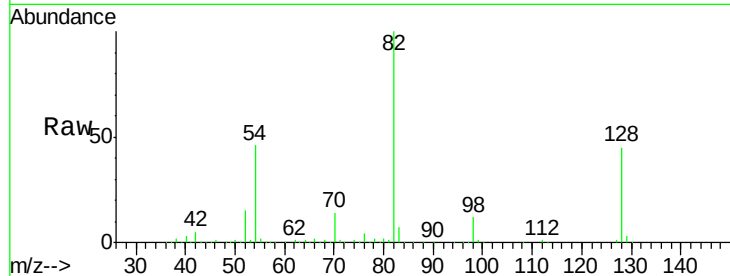
Tgt Ion: 82 Resp: 1387895

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

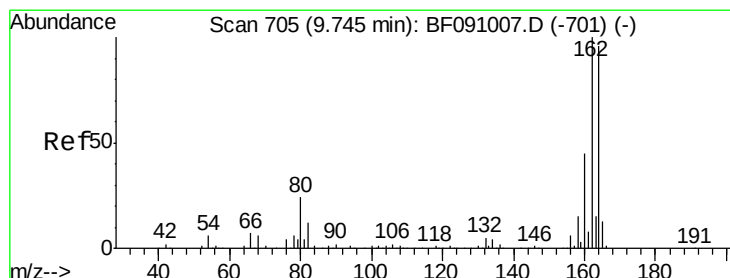
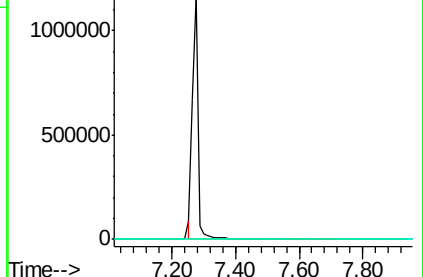
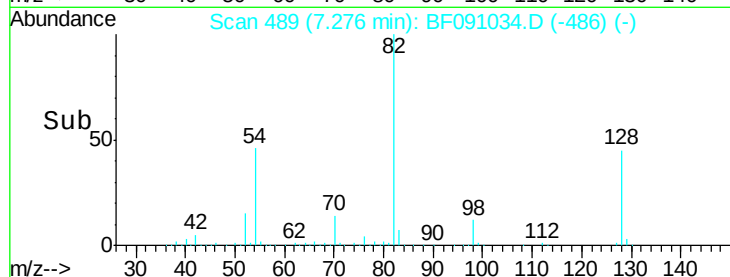
138 0.0 13.0 19.4#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.74 min Scan# 705

Delta R.T. 0.00 min

Lab File: BF091034.D

Acq: 4 Nov 2016 21:35

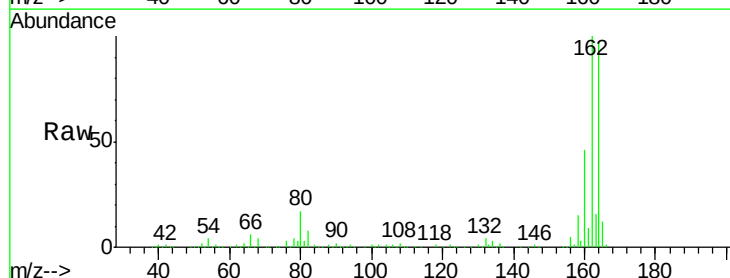
Tgt Ion: 164 Resp: 336226

Ion Ratio Lower Upper

164 100

162 102.6 83.6 125.4

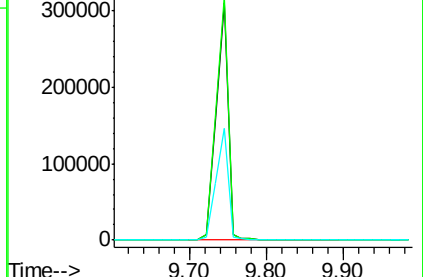
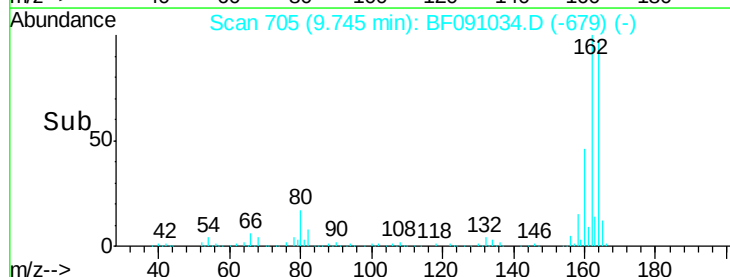
160 47.1 37.9 56.9

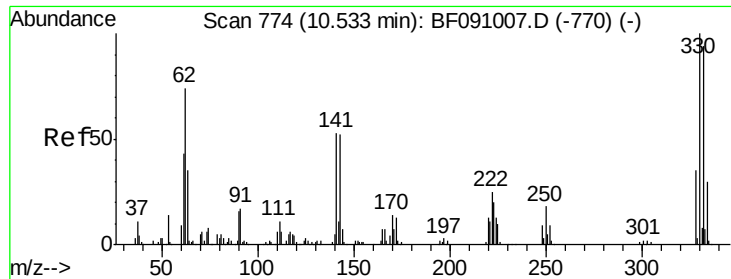


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

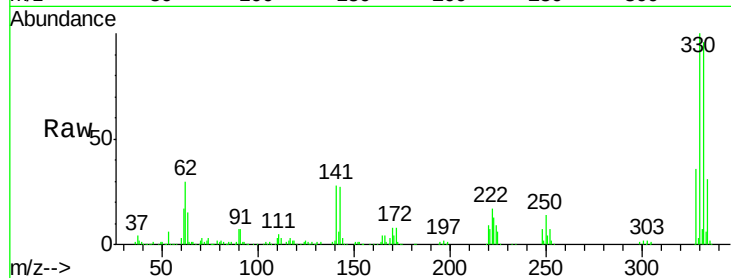




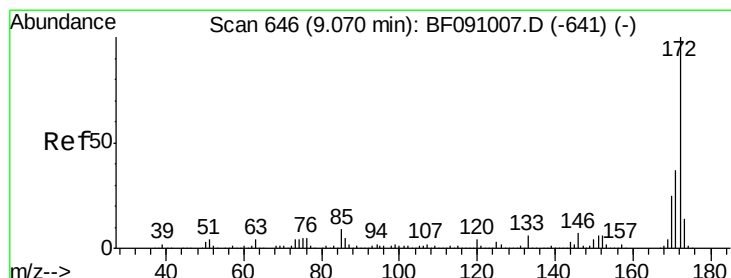
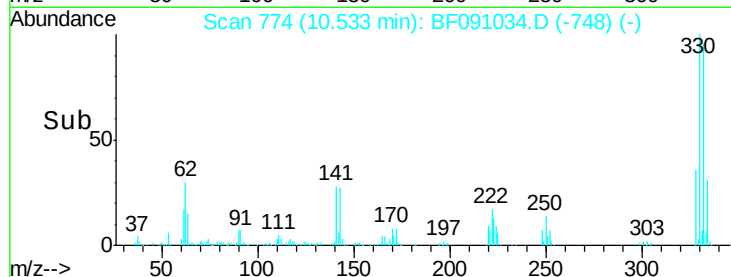
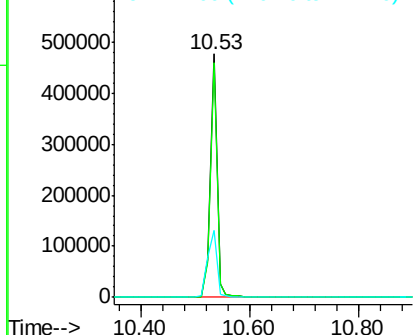
#41
 2,4,6-Tribromophenol
 Concen: 135.14 ng
 RT: 10.53 min Scan# 774
 Delta R.T. 0.00 min
 Lab File: BF091034.D
 Acq: 4 Nov 2016 21:35

Instrument :
 BNA_F
 ClientSampleId :
 SB-98-4.5-5.0

Tgt Ion:330 Resp: 410771
 Ion Ratio Lower Upper
 330 100
 332 96.3 75.9 113.9
 141 38.1 36.1 54.1

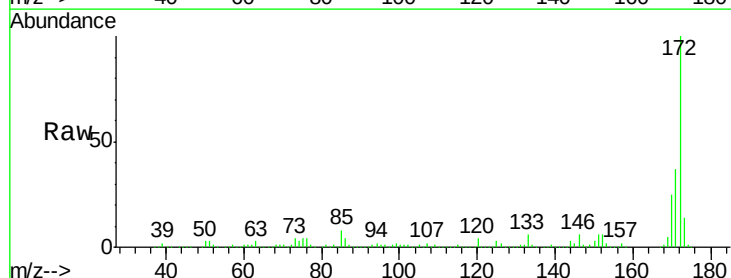


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

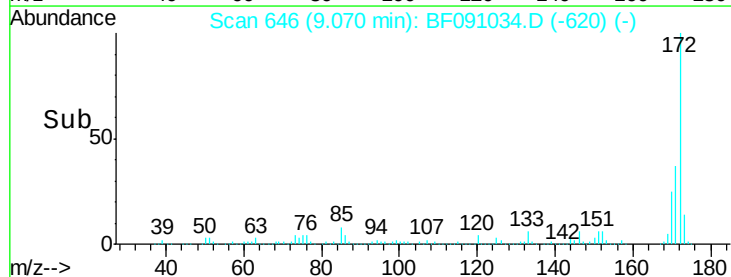
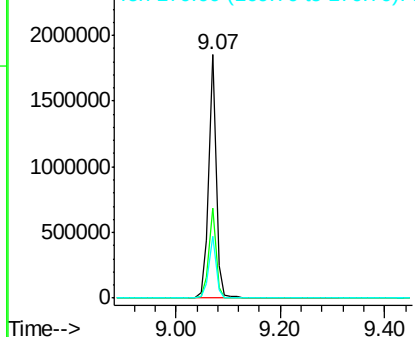


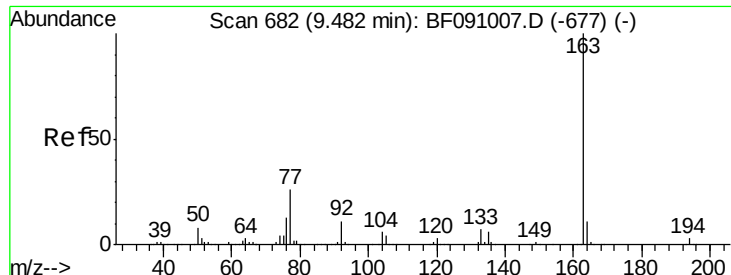
#44
 2-Fluorobiphenyl
 Concen: 93.65 ng
 RT: 9.07 min Scan# 646
 Delta R.T. 0.00 min
 Lab File: BF091034.D
 Acq: 4 Nov 2016 21:35

Tgt Ion:172 Resp: 1828990
 Ion Ratio Lower Upper
 172 100
 171 37.0 29.8 44.6
 170 25.4 20.3 30.5



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: 26.64 ng

RT: 9.47 min Scan# 681

Delta R.T. -0.01 min

Lab File: BF091034.D

Acq: 4 Nov 2016 21:35

Instrument :

BNA_F

ClientSampleId :

SB-98-4.5-5.0

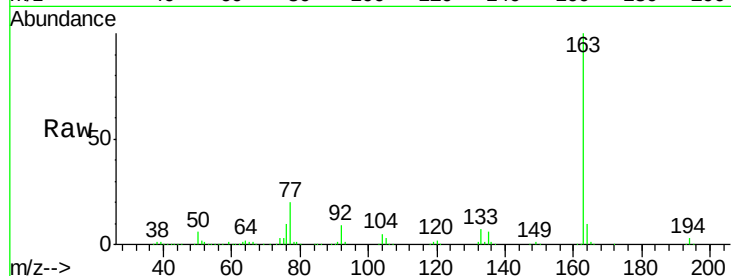
Tgt Ion:163 Resp: 587253

Ion Ratio Lower Upper

163 100

194 3.4 2.6 4.0

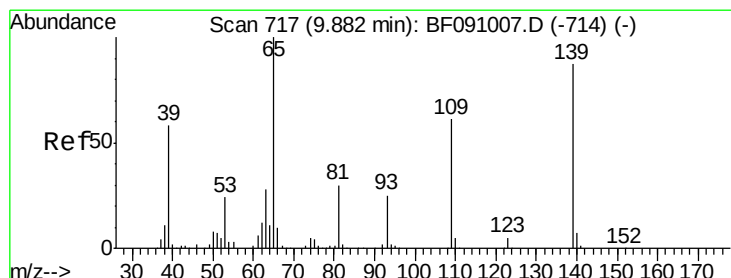
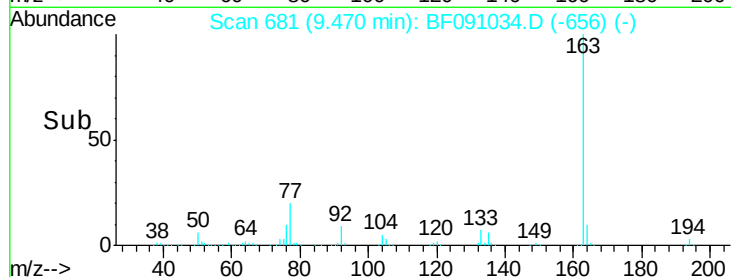
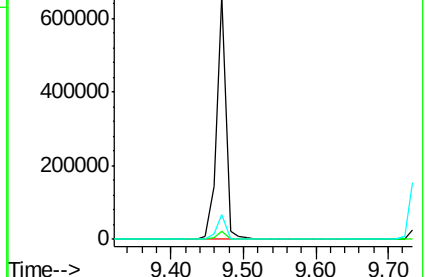
164 10.2 8.7 13.1



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



#55

4-Nitrophenol

Concen: 5.82 ng

RT: 9.95 min Scan# 723

Delta R.T. 0.07 min

Lab File: BF091034.D

Acq: 4 Nov 2016 21:35

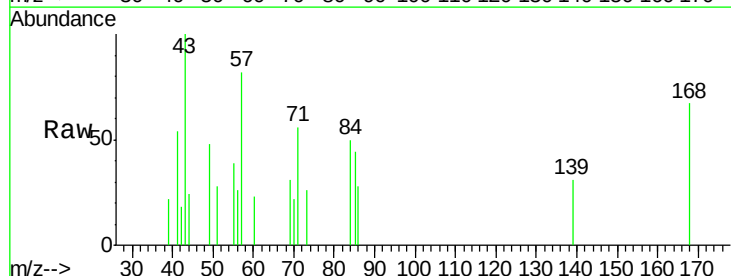
Tgt Ion:139 Resp: 354

Ion Ratio Lower Upper

139 100

109 0.0 50.5 90.5#

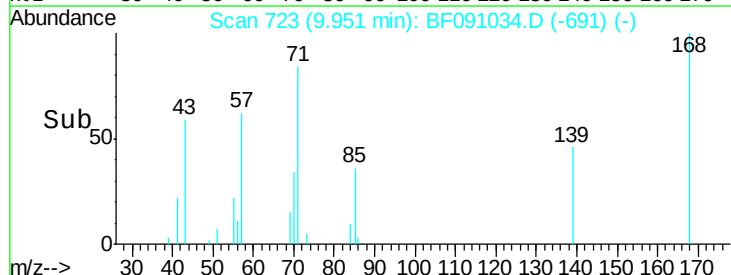
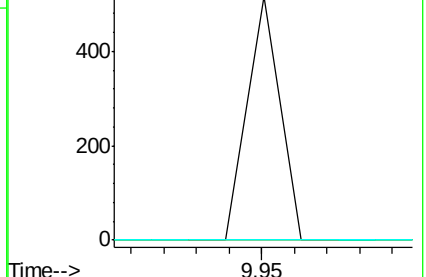
65 0.0 97.1 137.1#

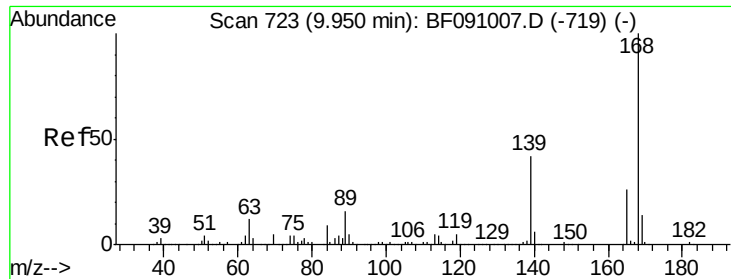


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

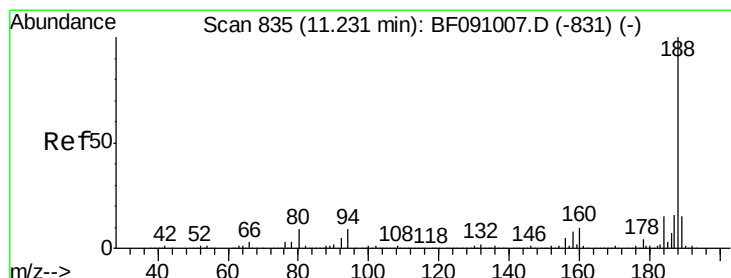
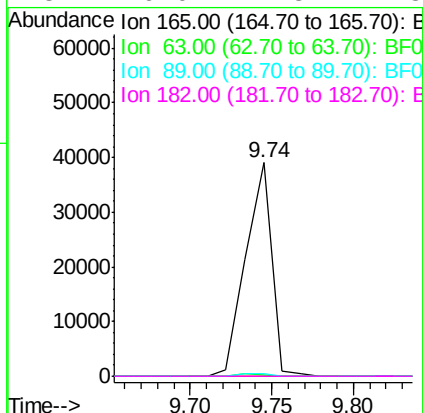
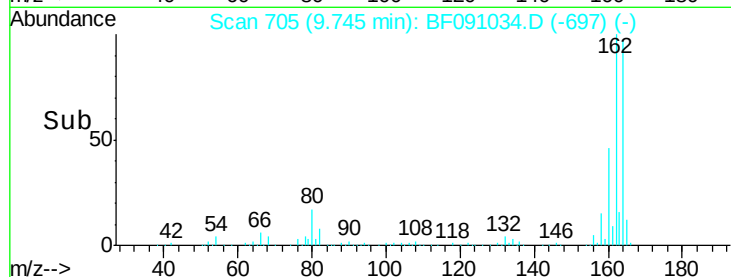
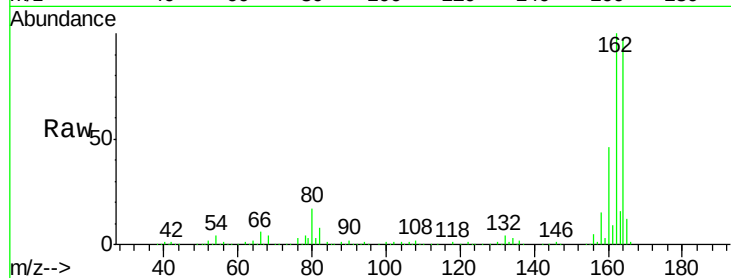




#56
 2,4-Dinitrotoluene
 Concen: 7.16 ng
 RT: 9.74 min Scan# 705
 Delta R.T. -0.21 min
 Lab File: BF091034.D
 Acq: 4 Nov 2016 21:35

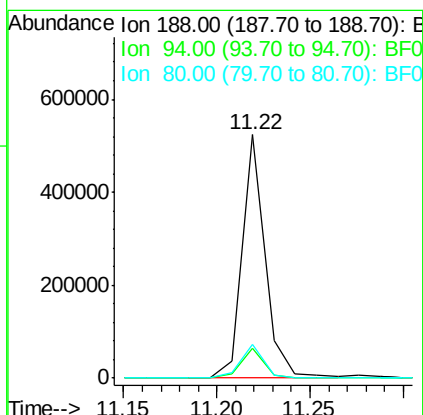
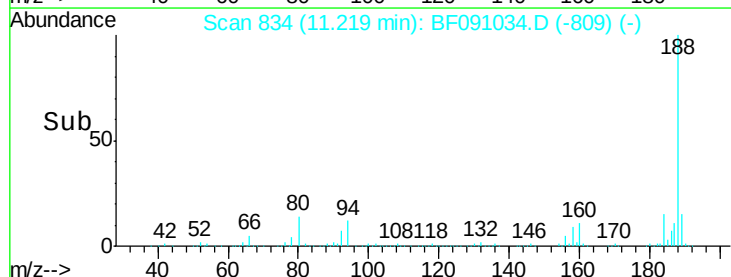
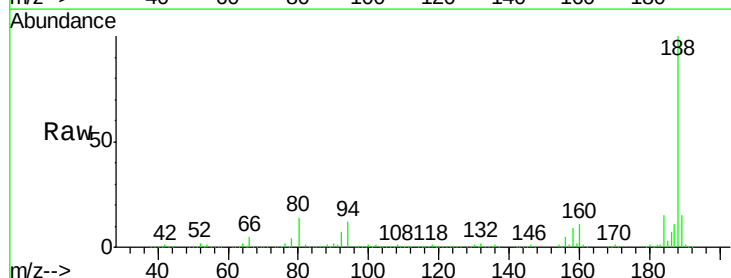
Instrument :
 BNA_F
 ClientSampleId :
 SB-98-4.5-5.0

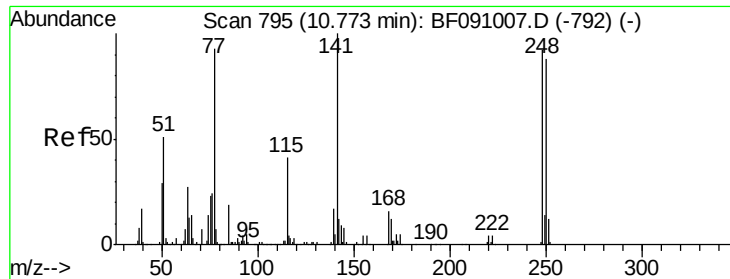
Tgt Ion:165 Resp: 43048
 Ion Ratio Lower Upper
 165 100
 63 0.8 38.7 58.1#
 89 1.1 50.6 76.0#
 182 0.0 1.8 2.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.22 min Scan# 834
 Delta R.T. -0.01 min
 Lab File: BF091034.D
 Acq: 4 Nov 2016 21:35

Tgt Ion:188 Resp: 452962
 Ion Ratio Lower Upper
 188 100
 94 12.4 7.0 10.4#
 80 14.0 7.5 11.3#





#66

4-Bromophenyl-phenylether

Concen: 6.22 ng

RT: 10.53 min Scan# 774

Delta R.T. -0.24 min

Lab File: BF091034.D

Acq: 4 Nov 2016 21:35

Instrument :

BNA_F

ClientSampleId :

SB-98-4.5-5.0

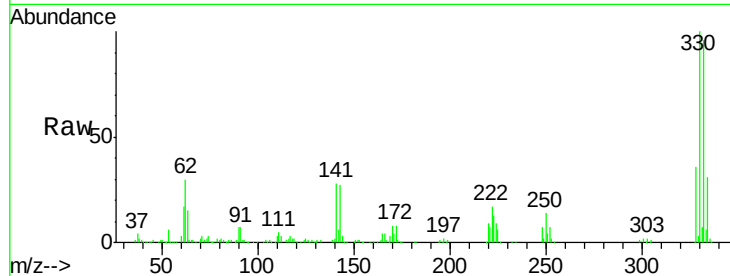
Tgt Ion:248 Resp: 29289

Ion Ratio Lower Upper

248 100

250 199.2 76.3 114.5#

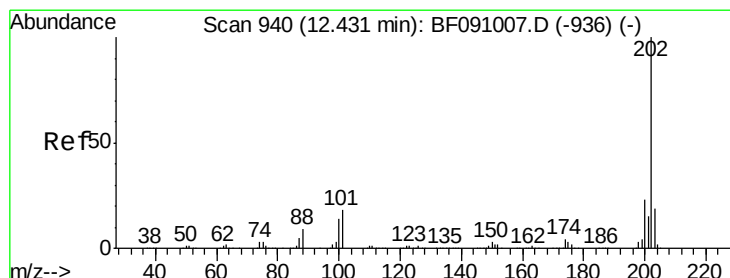
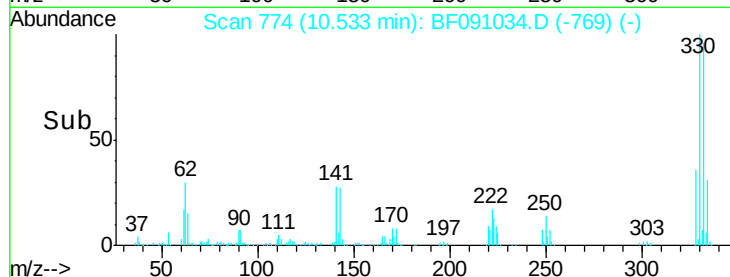
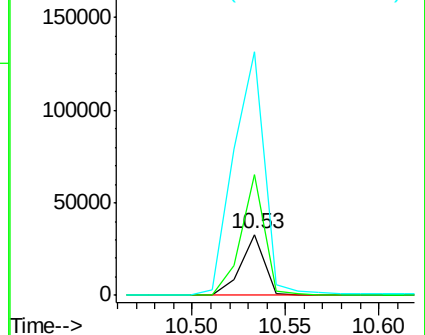
141 402.1 86.8 130.2#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#74

Fluoranthene

Concen: 6.90 ng

RT: 12.43 min Scan# 940

Delta R.T. 0.00 min

Lab File: BF091034.D

Acq: 4 Nov 2016 21:35

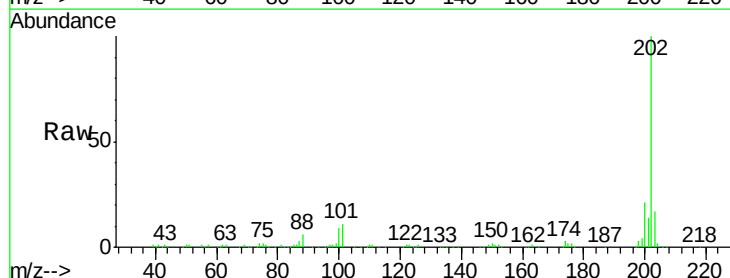
Tgt Ion:202 Resp: 172249

Ion Ratio Lower Upper

202 100

101 11.0 0.0 37.6

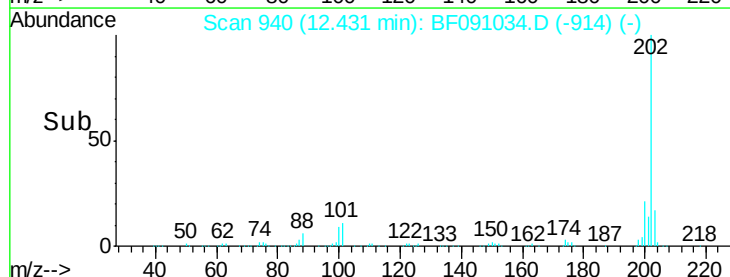
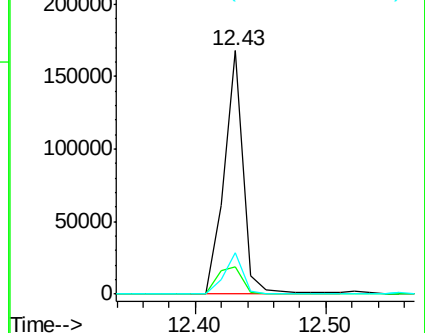
203 16.9 0.0 38.6

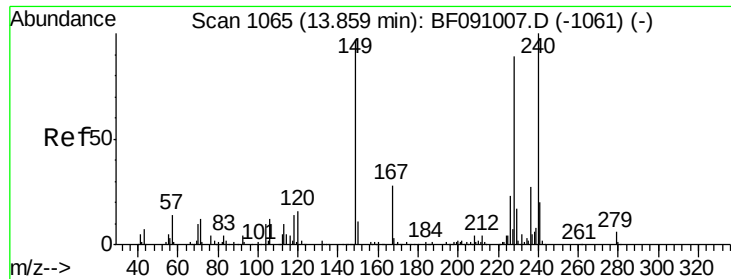


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

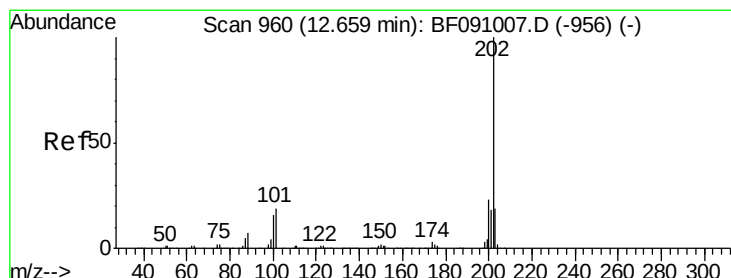
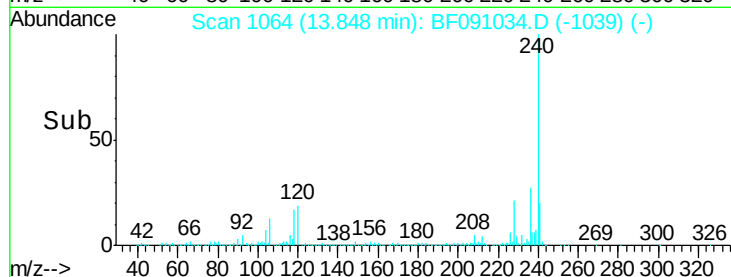
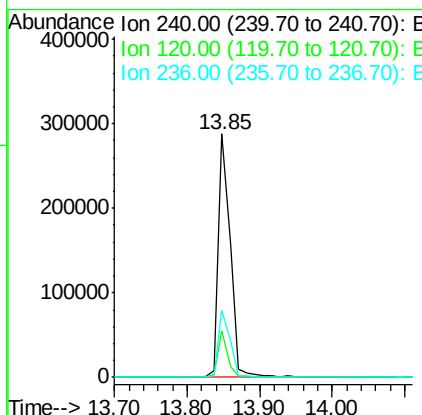
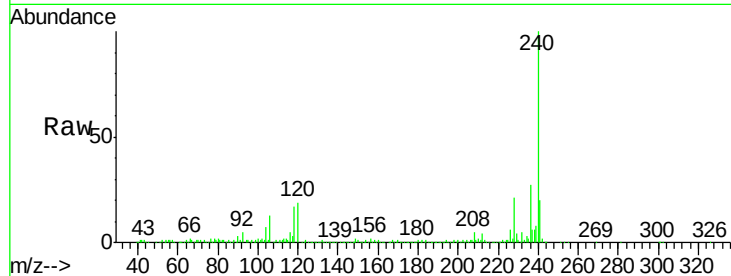




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.85 min Scan# 1064
Delta R.T. -0.01 min
Lab File: BF091034.D
Acq: 4 Nov 2016 21:35

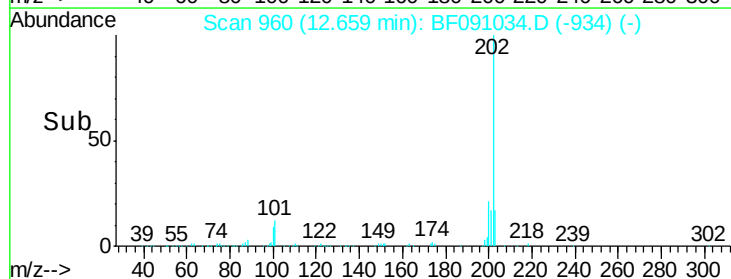
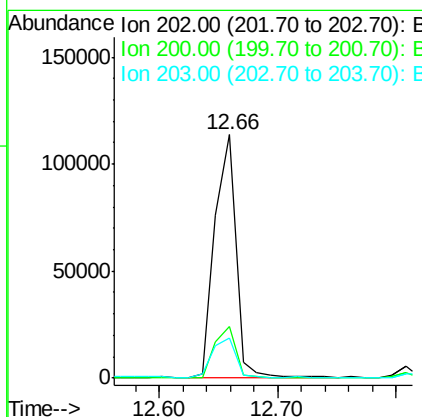
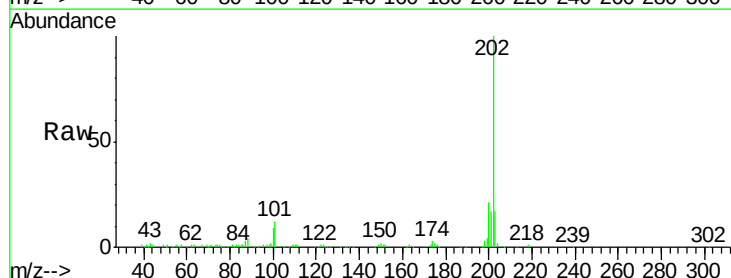
Instrument :
BNA_F
ClientSampleId :
SB-98-4.5-5.0

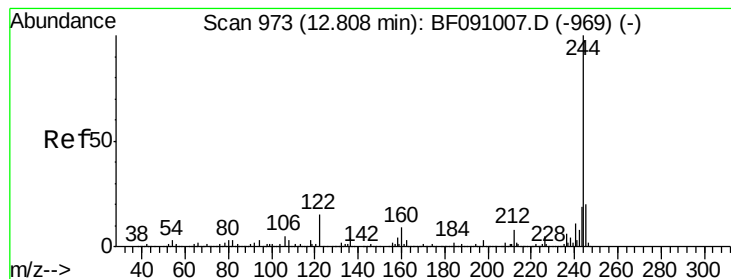
Tgt Ion	Ratio	Lower	Upper
240	100		
120	18.9	12.9	19.3
236	27.5	21.9	32.9



#77
Pyrene
Concen: 6.56 ng
RT: 12.66 min Scan# 960
Delta R.T. 0.00 min
Lab File: BF091034.D
Acq: 4 Nov 2016 21:35

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	18.4	27.6
203	16.5	15.0	22.6





#78

Terphenyl-d14

Concen: 100.64 ng

RT: 12.81 min Scan# 973

Delta R.T. 0.00 min

Lab File: BF091034.D

Acq: 4 Nov 2016 21:35

Instrument :

BNA_F

ClientSampleId :

SB-98-4.5-5.0

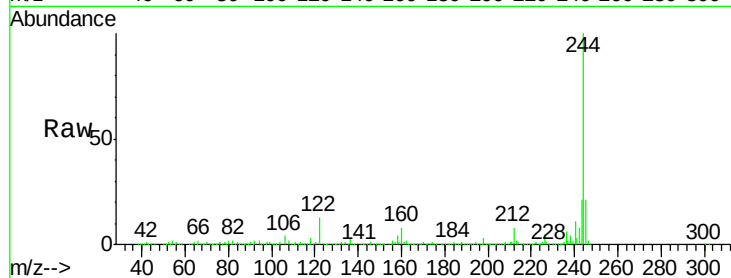
Tgt Ion:244 Resp: 1328273

Ion Ratio Lower Upper

244 100

212 7.6 6.4 9.6

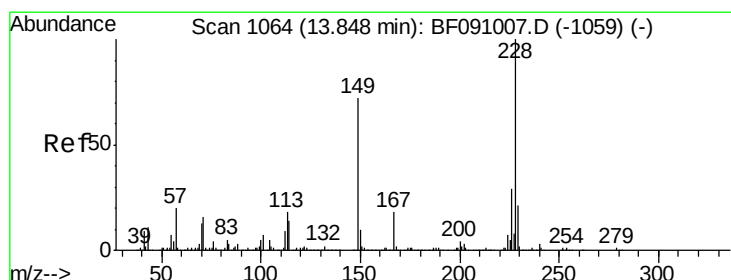
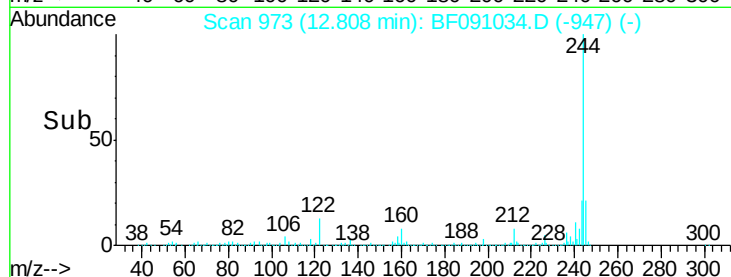
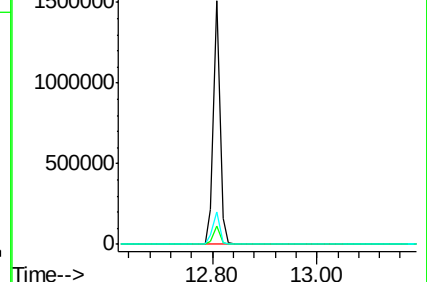
122 13.1 12.3 18.5



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



#80

Benzo(a)anthracene

Concen: 5.17 ng

RT: 13.85 min Scan# 1064

Delta R.T. 0.00 min

Lab File: BF091034.D

Acq: 4 Nov 2016 21:35

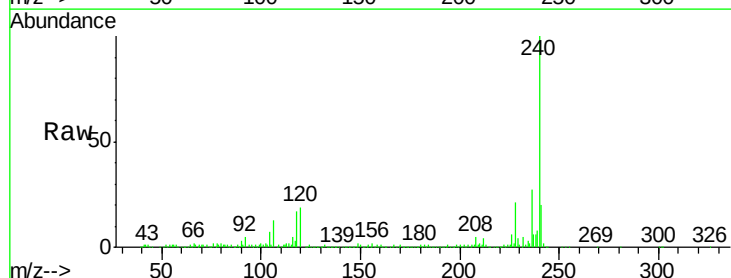
Tgt Ion:228 Resp: 96662

Ion Ratio Lower Upper

228 100

226 28.7 23.0 34.6

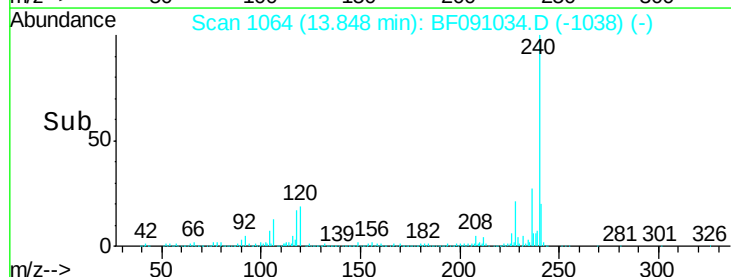
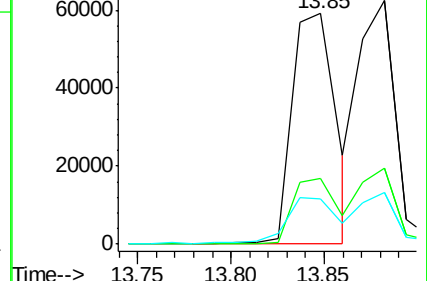
229 19.8 16.6 24.8

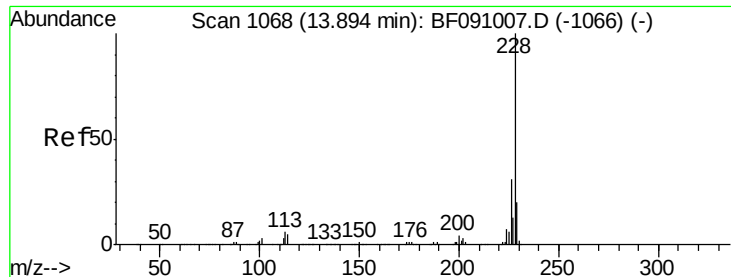


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 5.24 ng

RT: 13.85 min Scan# 1064

Delta R.T. -0.05 min

Lab File: BF091034.D

Acq: 4 Nov 2016 21:35

Instrument :

BNA_F

ClientSampleId :

SB-98-4.5-5.0

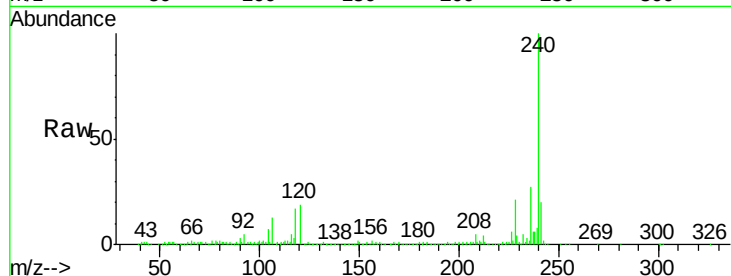
Tgt Ion:228 Resp: 96662

Ion Ratio Lower Upper

228 100

226 28.7 24.9 37.3

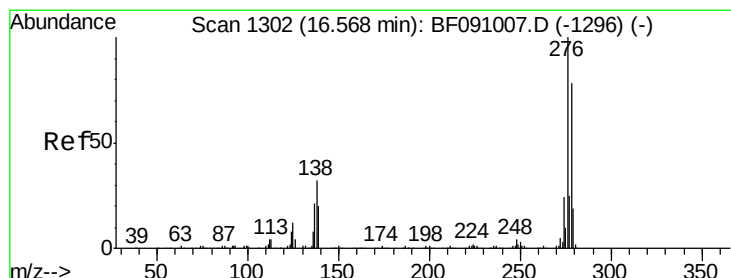
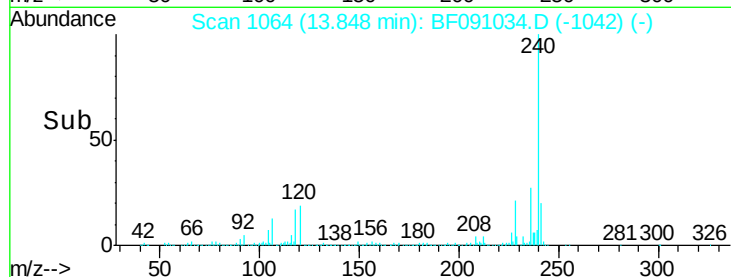
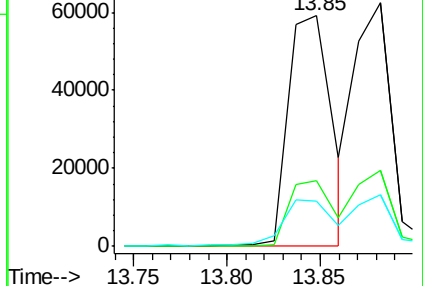
229 19.8 15.9 23.9



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 3.83 ng

RT: 16.55 min Scan# 1300

Delta R.T. -0.02 min

Lab File: BF091034.D

Acq: 4 Nov 2016 21:35

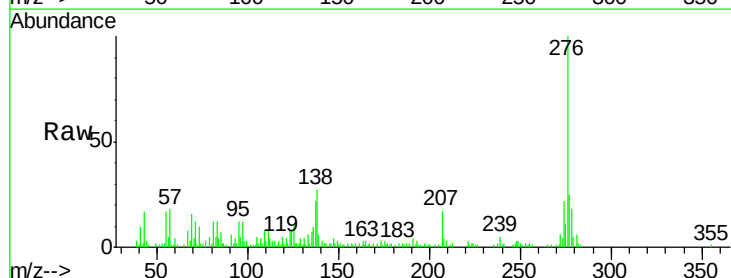
Tgt Ion:276 Resp: 58560

Ion Ratio Lower Upper

276 100

138 27.7 26.0 39.0

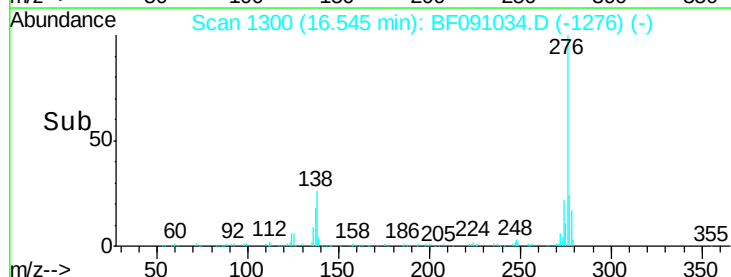
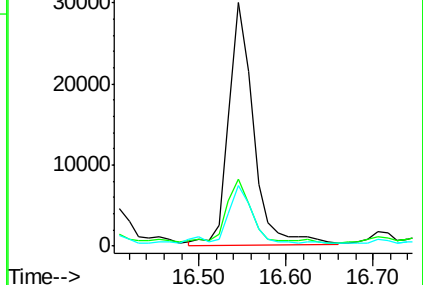
277 27.6 20.1 30.1

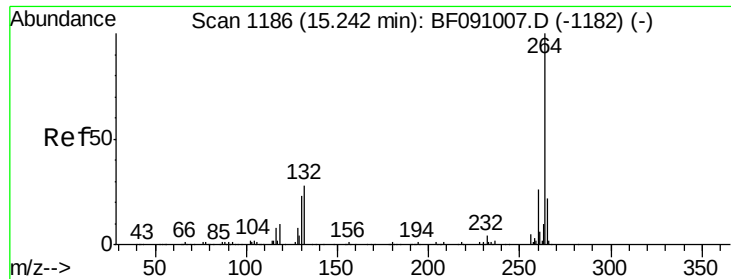


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

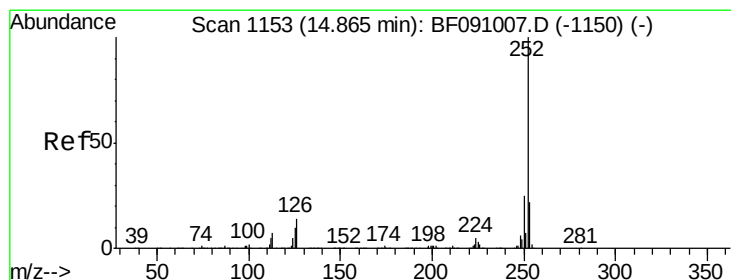
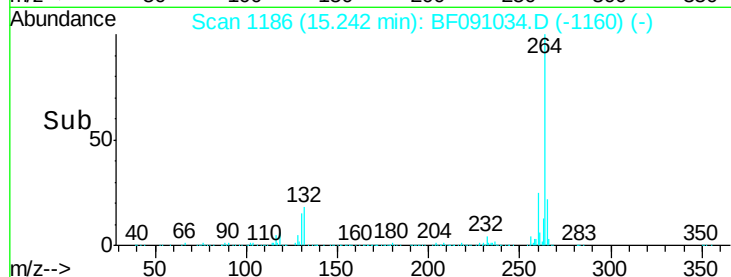
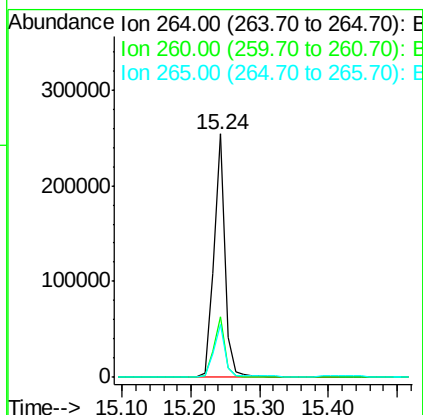
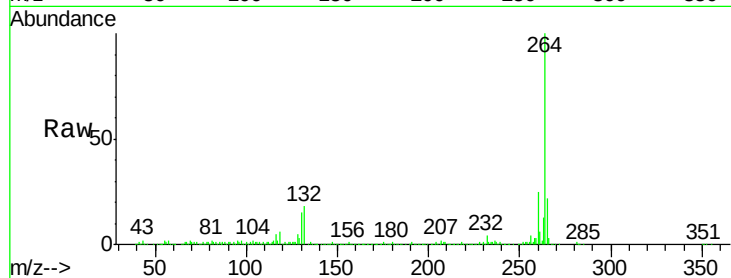




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.24 min Scan# 1186
Delta R.T. 0.00 min
Lab File: BF091034.D
Acq: 4 Nov 2016 21:35

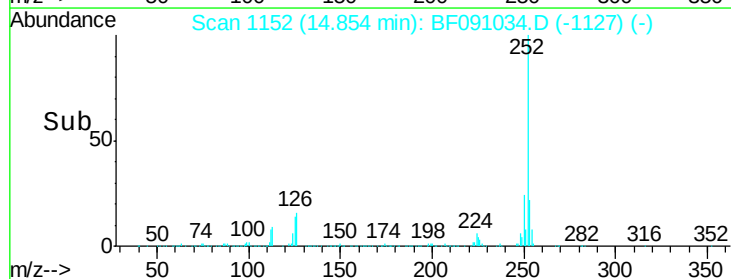
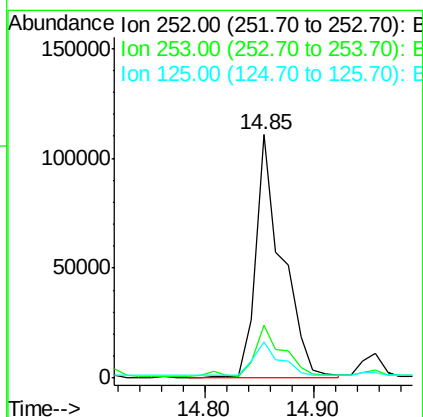
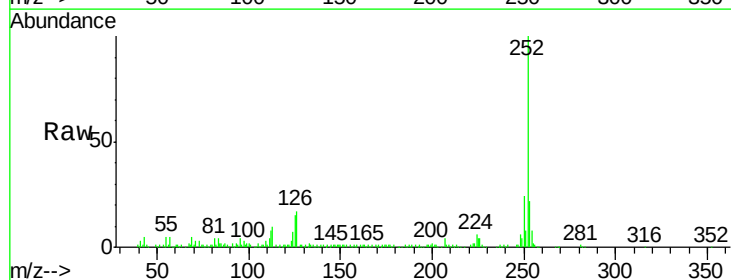
Instrument :
BNA_F
ClientSampleId :
SB-98-4.5-5.0

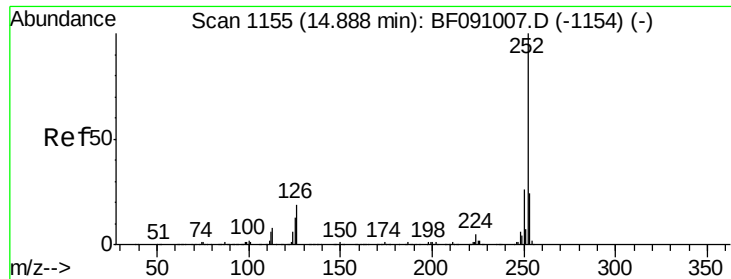
Tgt Ion:264 Resp: 294518
Ion Ratio Lower Upper
264 100
260 25.0 20.6 30.8
265 21.8 17.8 26.8



#87
Benzo(b)fluoranthene
Concen: 9.30 ng
RT: 14.85 min Scan# 1152
Delta R.T. -0.01 min
Lab File: BF091034.D
Acq: 4 Nov 2016 21:35

Tgt Ion:252 Resp: 185862
Ion Ratio Lower Upper
252 100
253 21.9 18.0 27.0
125 15.1 8.3 12.5#

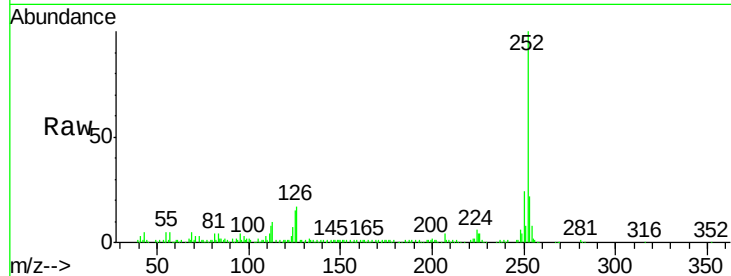




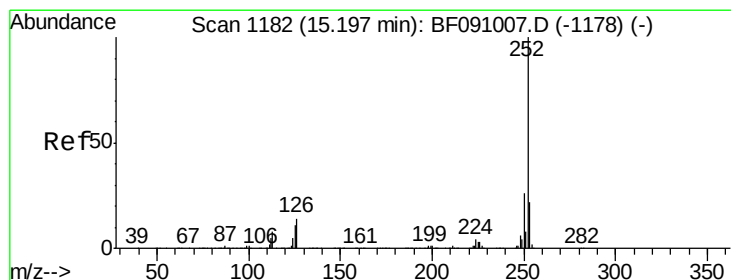
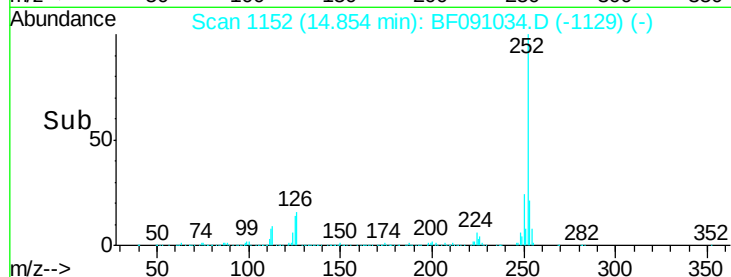
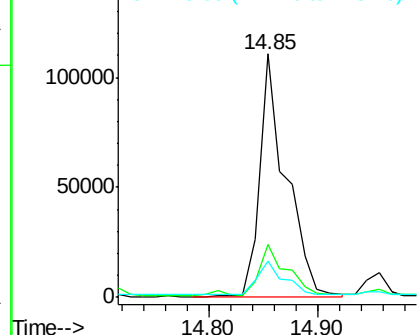
#88
Benzo(k)fluoranthene
Concen: 10.61 ng
RT: 14.85 min Scan# 1152
Delta R.T. -0.03 min
Lab File: BF091034.D
Acq: 4 Nov 2016 21:35

Instrument :
BNA_F
ClientSampleId :
SB-98-4.5-5.0

Tgt Ion: 252 Resp: 185862
Ion Ratio Lower Upper
252 100
253 21.9 18.6 28.0
125 15.1 11.2 16.8

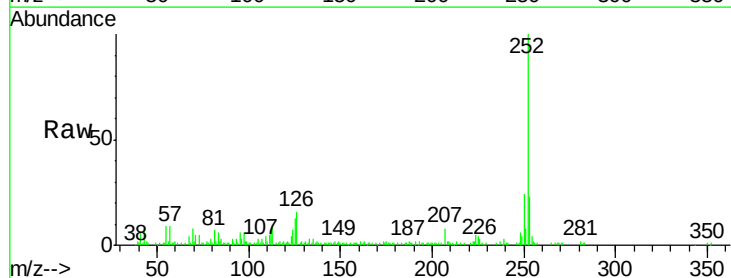


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

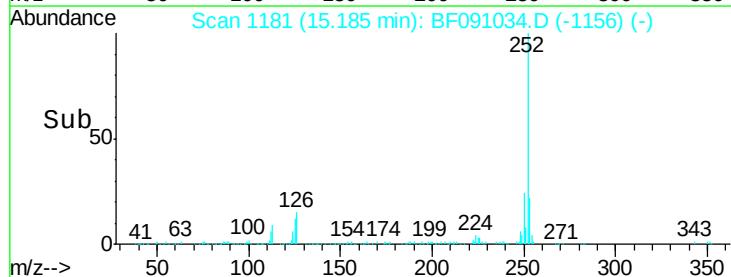
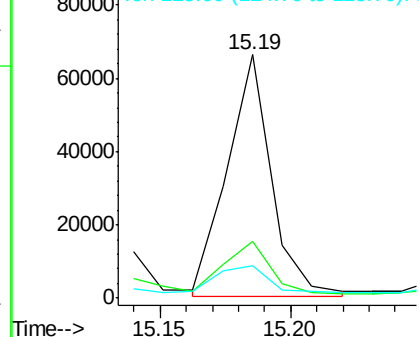


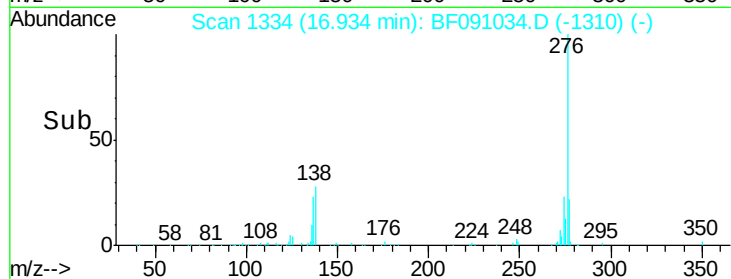
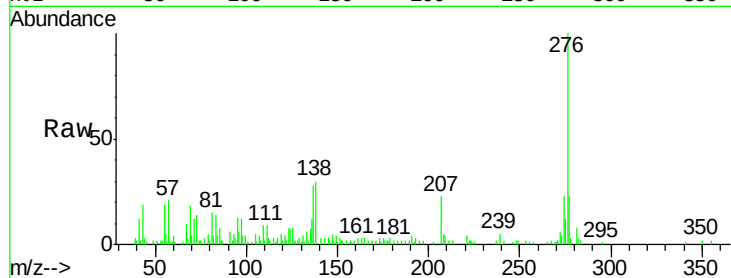
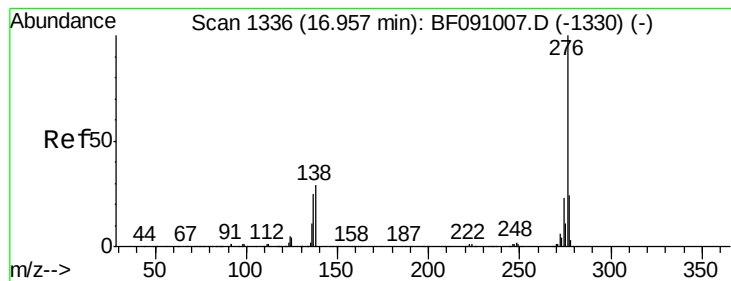
#89
Benzo(a)pyrene
Concen: 4.49 ng
RT: 15.19 min Scan# 1181
Delta R.T. -0.01 min
Lab File: BF091034.D
Acq: 4 Nov 2016 21:35

Tgt Ion: 252 Resp: 78148
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.8
125 13.3 8.6 13.0#



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





#91

Benzo(g,h,i)perylene

Concen: 4.05 ng

RT: 16.93 min Scan# 1334

Delta R.T. -0.02 min

Lab File: BF091034.D

Acq: 4 Nov 2016 21:35

Instrument :

BNA_F

ClientSampleId :

SB-98-4.5-5.0

Tgt Ion: 276 Resp: 55030

Ion Ratio Lower Upper

276 100

277 23.3 19.2 28.8

138 29.7 23.3 34.9

