

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071316\
 Data File : BF088971.D
 Acq On : 13 Jul 2016 21:38
 Operator : UM/SJ
 Sample : H3981-19
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C4.2-7

Quant Time: Jul 14 01:15:52 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 11 18:13:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	68201	20.00	ng	-0.01
21) Naphthalene-d8	7.98	136	243368	20.00	ng	-0.02
38) Acenaphthene-d10	9.72	164	103649	20.00	ng	-0.02
63) Phenanthrene-d10	11.20	188	166292	20.00	ng	-0.02
75) Chrysene-d12	13.83	240	129483	20.00	ng	-0.02
86) Perylene-d12	15.20	264	117291	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	591190	129.91	ng	0.01
7) Phenol-d6	6.35	99	798232	135.75	ng	0.00
23) Nitrobenzene-d5	7.27	82	522180	112.44	ng	-0.01
41) 2,4,6-Tribromophenol	10.51	330	130626	135.72	ng	-0.02
44) 2-Fluorobiphenyl	9.06	172	726841	110.77	ng	-0.01
78) Terphenyl-d14	12.79	244	376482	64.76	ng	-0.01

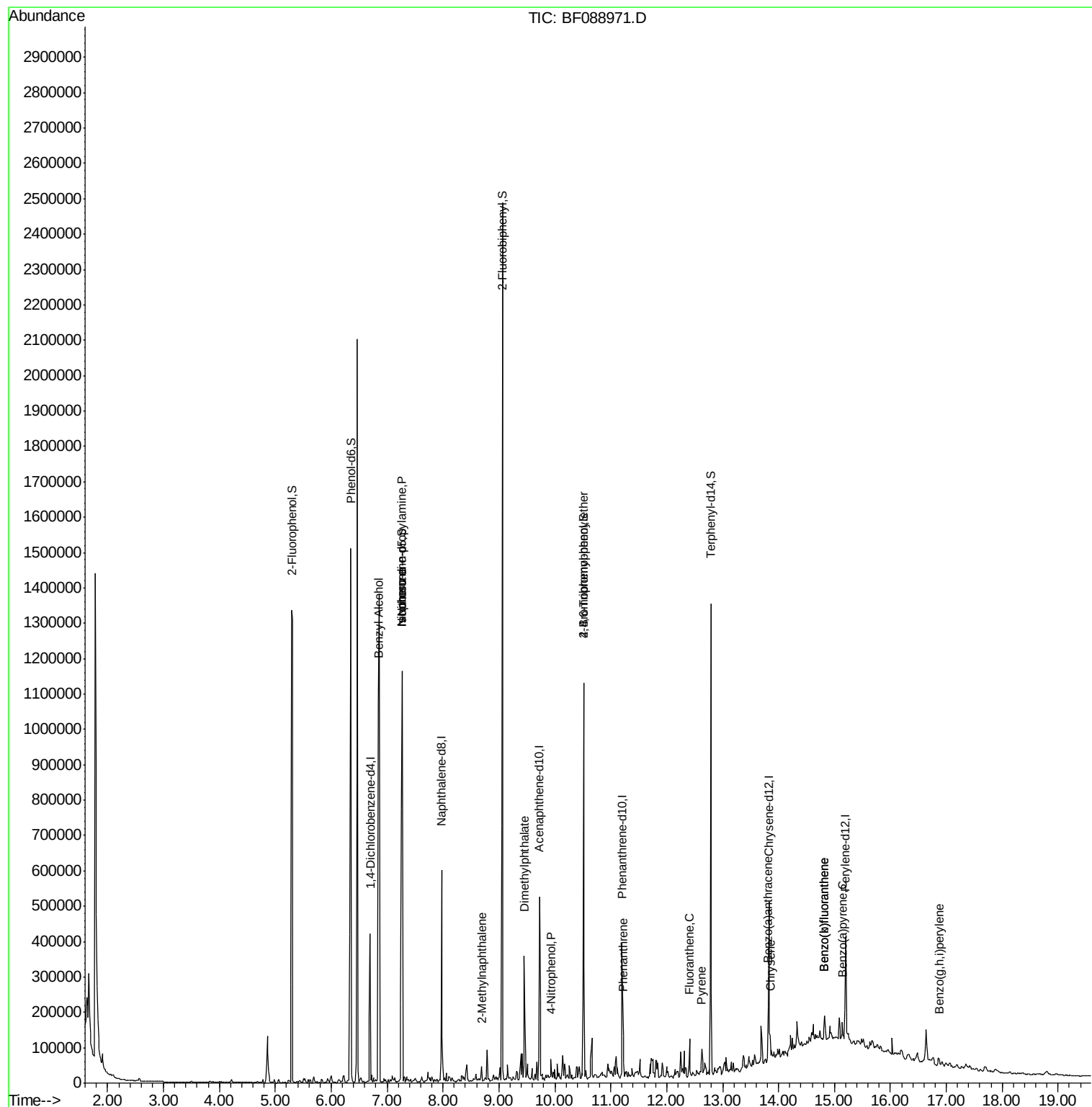
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	6.84	79	8832	2.04	ng	# 45
19) n-Nitroso-di-n-propylamine	7.27	70	71524	18.11	ng	# 68
25) Isophorone	7.27	82	469138	54.54	ng	# 65
37) 2-Methylnaphthalene	8.70	142	16349	2.12	ng	# 96
49) Dimethylphthalate	9.45	163	154006	20.86	ng	99
55) 4-Nitrophenol	9.93	139	3562	2.25	ng	# 13
66) 4-Bromophenyl-phenylether	10.51	248	8463	5.05	ng	# 1
70) Phenanthrene	11.22	178	45180	4.97	ng	98
74) Fluoranthene	12.41	202	38543	4.18	ng	95
77) Pyrene	12.63	202	37853	3.45	ng	96
80) Benzo(a)anthracene	13.82	228	20481	2.46	ng	# 81
82) Chrysene	13.85	228	29219	3.54	ng	# 95
87) Benzo(b)fluoranthene	14.82	252	35847	4.87	ng	# 91
88) Benzo(k)fluoranthene	14.82	252	35847	5.60	ng	96
89) Benzo(a)pyrene	15.14	252	17839	2.86	ng	94
91) Benzo(g,h,i)perylene	16.87	276	16591	3.08	ng	95

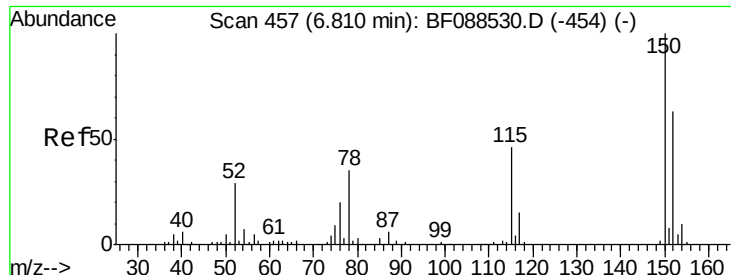
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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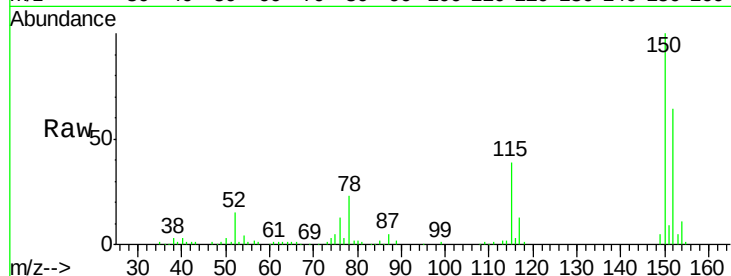




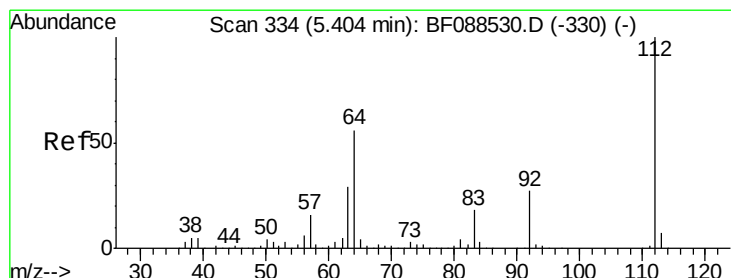
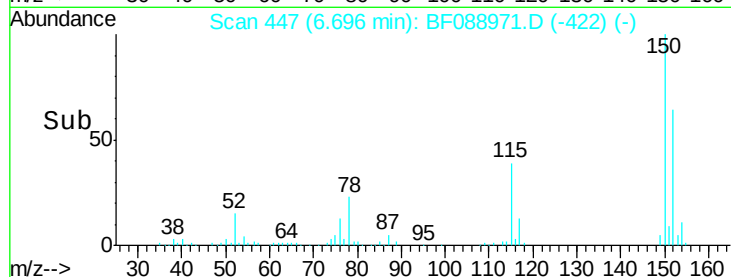
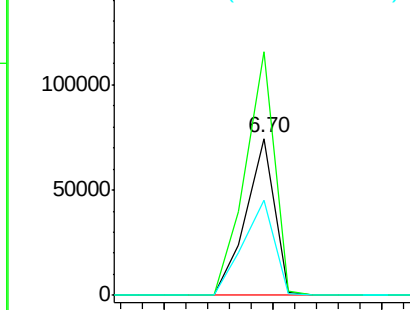
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.70 min Scan# 447
 Delta R.T. -0.01 min
 Lab File: BF088971.D
 Acq: 13 Jul 2016 21:38

Instrument :
 BNA_F
 ClientSampleId :
 C4.2-7

Tgt Ion:152 Resp: 68201
 Ion Ratio Lower Upper
 152 100
 150 155.1 123.8 185.6
 115 60.9 39.6 59.4#

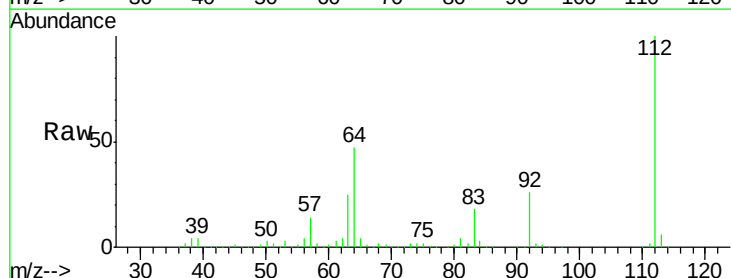


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

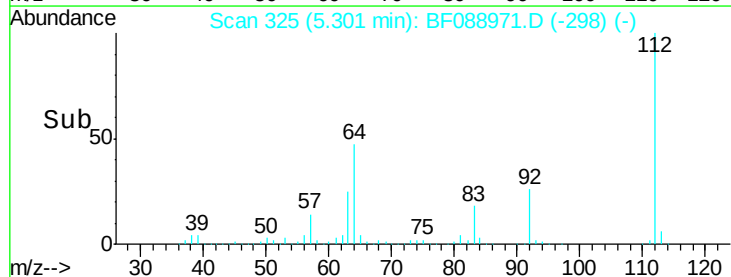
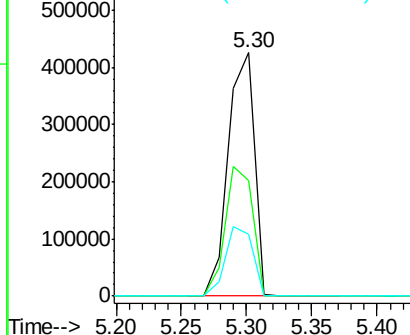


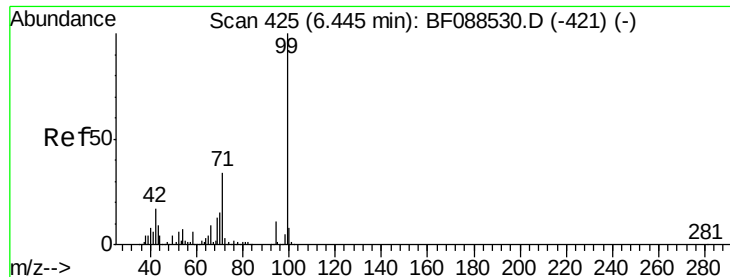
#5
 2-Fluorophenol
 Concen: 129.91 ng
 RT: 5.30 min Scan# 325
 Delta R.T. 0.01 min
 Lab File: BF088971.D
 Acq: 13 Jul 2016 21:38

Tgt Ion:112 Resp: 591190
 Ion Ratio Lower Upper
 112 100
 64 47.2 42.2 63.2
 63 25.4 21.8 32.8



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: 135.75 ng

RT: 6.35 min Scan# 417

Delta R.T. -0.00 min

Lab File: BF088971.D

Acq: 13 Jul 2016 21:38

Instrument :

BNA_F

ClientSampleId :

C4.2-7

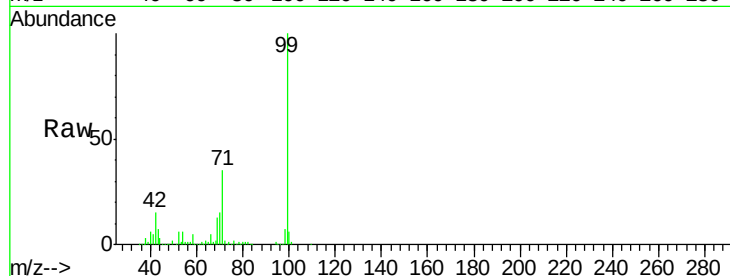
Tgt Ion: 99 Resp: 798232

Ion Ratio Lower Upper

99 100

42 14.7 12.2 18.2

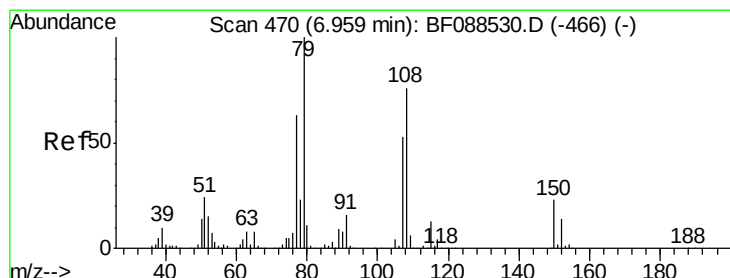
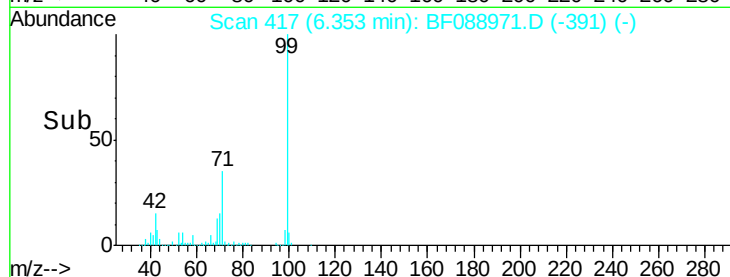
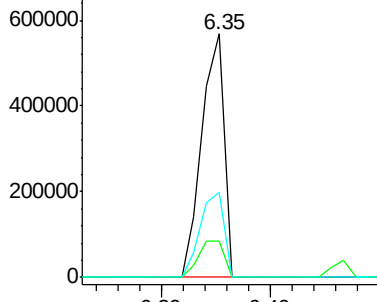
71 34.9 23.4 35.0



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: 2.04 ng

RT: 6.84 min Scan# 460

Delta R.T. -0.01 min

Lab File: BF088971.D

Acq: 13 Jul 2016 21:38

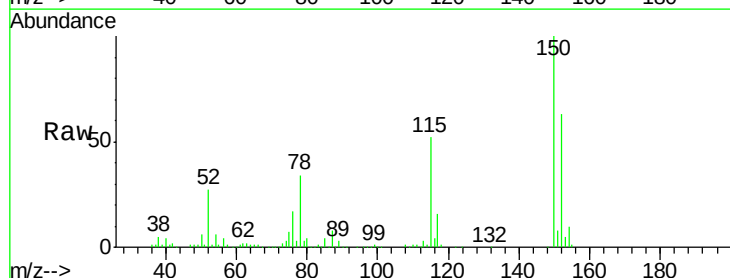
Tgt Ion: 79 Resp: 8832

Ion Ratio Lower Upper

79 100

108 29.4 65.0 97.6#

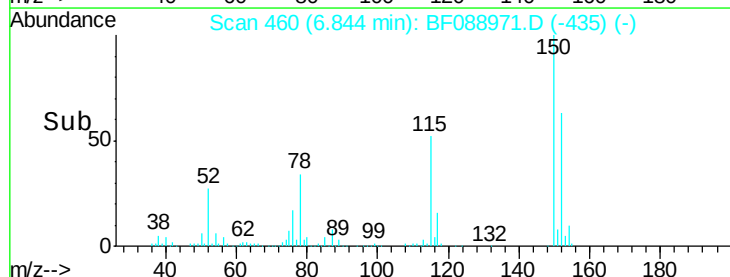
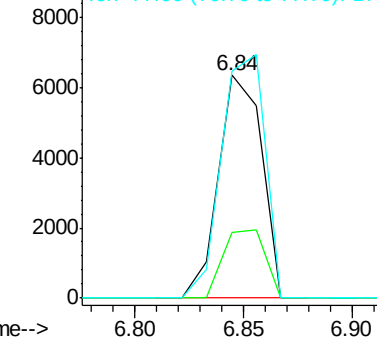
77 102.2 50.3 75.5#

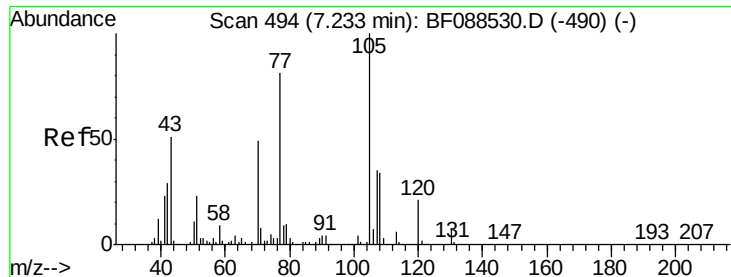


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

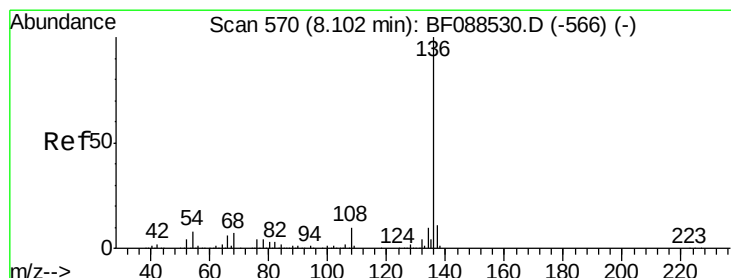
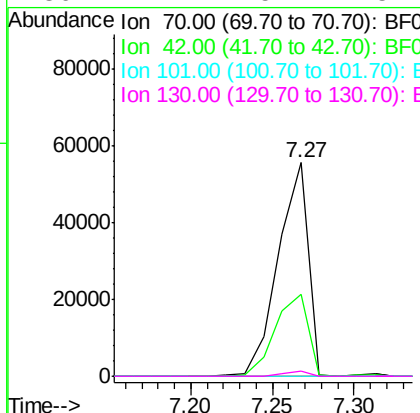
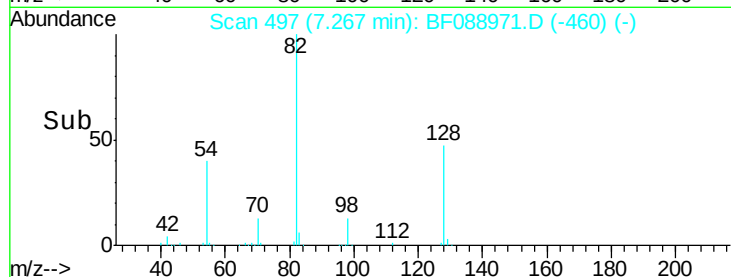
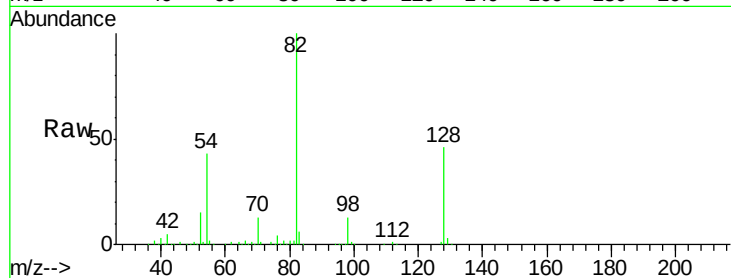




#19
n-Nitroso-di-n-propylamine
Concen: 18.11 ng
RT: 7.27 min Scan# 497
Delta R.T. 0.13 min
Lab File: BF088971.D
Acq: 13 Jul 2016 21:38

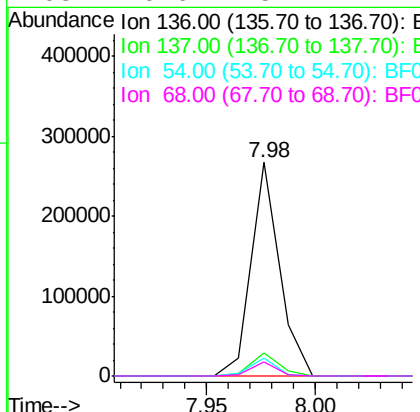
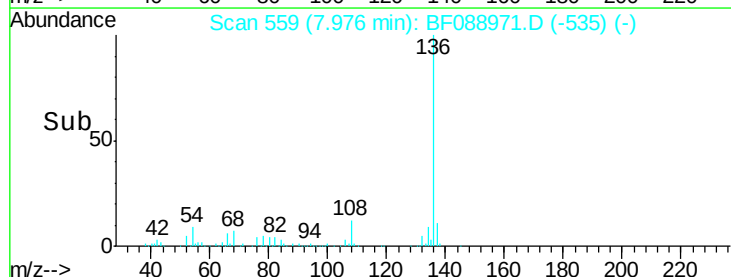
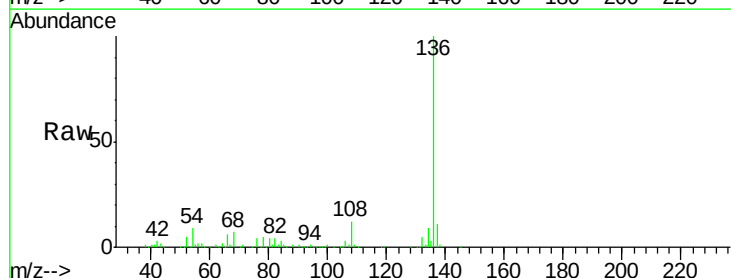
Instrument :
BNA_F
ClientSampleId :
C4.2-7

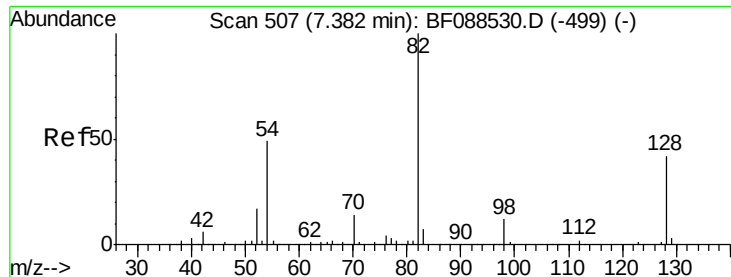
Tgt Ion: 70 Resp: 71524
Ion Ratio Lower Upper
70 100
42 38.3 49.6 74.4#
101 0.0 7.1 10.7#
130 2.2 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.98 min Scan# 559
Delta R.T. -0.02 min
Lab File: BF088971.D
Acq: 13 Jul 2016 21:38

Tgt Ion: 136 Resp: 243368
Ion Ratio Lower Upper
136 100
137 11.1 9.1 13.7
54 8.5 6.6 10.0
68 6.6 5.1 7.7

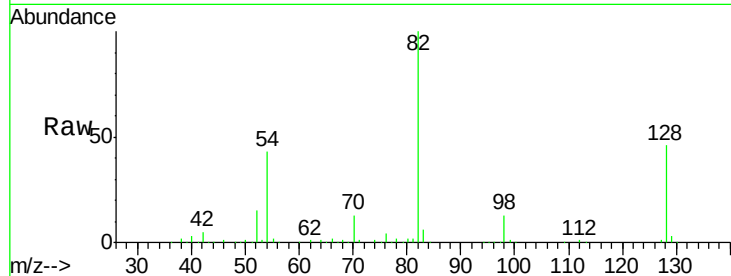




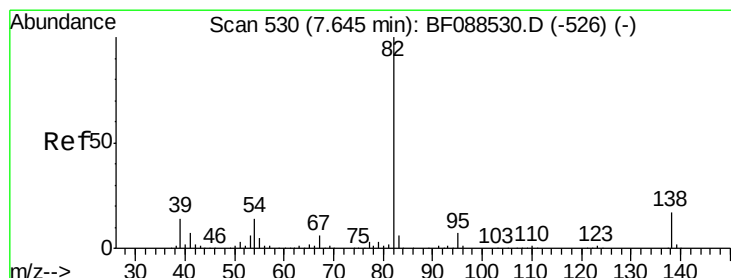
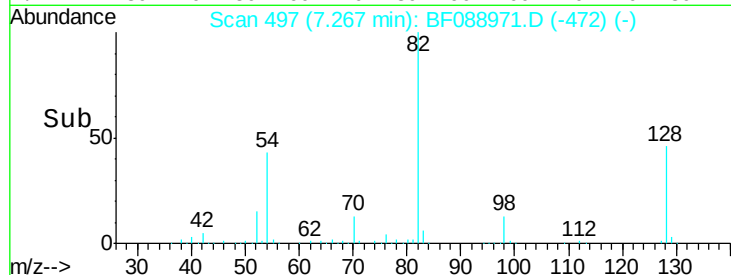
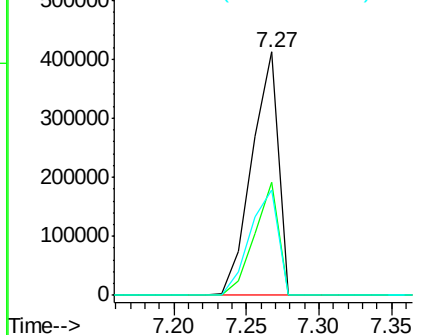
#23
 Nitrobenzene-d5
 Concen: 112.44 ng
 RT: 7.27 min Scan# 497
 Delta R.T. -0.01 min
 Lab File: BF088971.D
 Acq: 13 Jul 2016 21:38

Instrument :
 BNA_F
 ClientSampleId :
 C4.2-7

Tgt Ion: 82 Resp: 522180
 Ion Ratio Lower Upper
 82 100
 128 46.4 35.9 53.9
 54 43.2 40.9 61.3

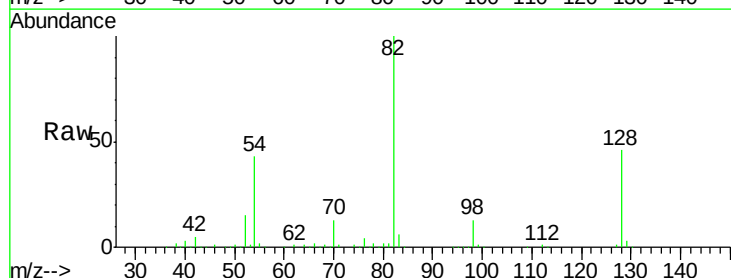


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

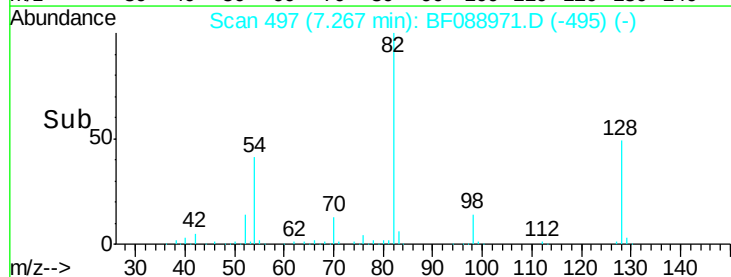
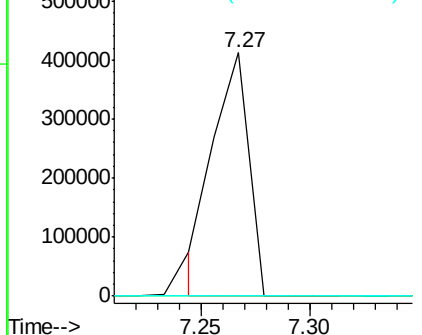


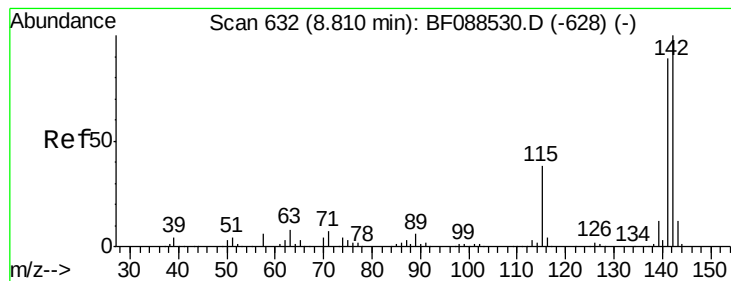
#25
 Isophorone
 Concen: 54.54 ng
 RT: 7.27 min Scan# 497
 Delta R.T. -0.27 min
 Lab File: BF088971.D
 Acq: 13 Jul 2016 21:38

Tgt Ion: 82 Resp: 469138
 Ion Ratio Lower Upper
 82 100
 95 0.1 5.4 8.2#
 138 0.0 14.6 21.8#



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





#37

2-Methylnaphthalene

Concen: 2.12 ng

RT: 8.70 min Scan# 622

Delta R.T. -0.01 min

Lab File: BF088971.D

Acq: 13 Jul 2016 21:38

Instrument :

BNA_F

ClientSampleId :

C4.2-7

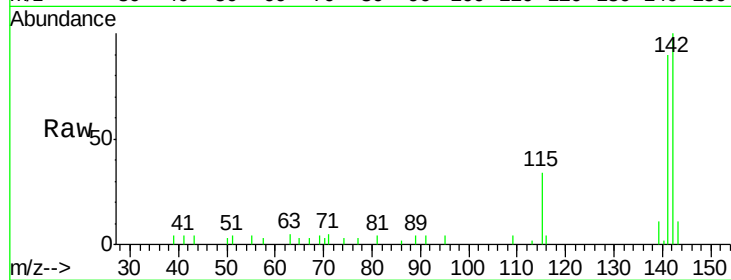
Tgt Ion:142 Resp: 16349

Ion Ratio Lower Upper

142 100

141 90.1 71.0 106.6

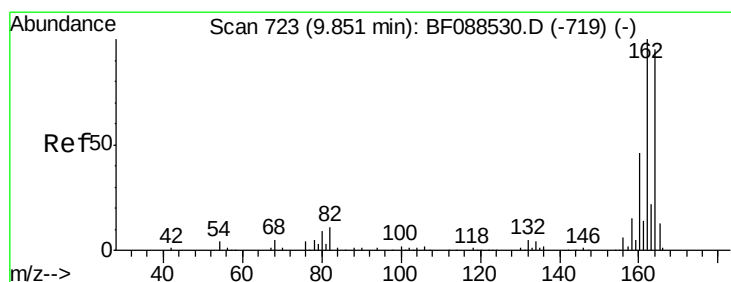
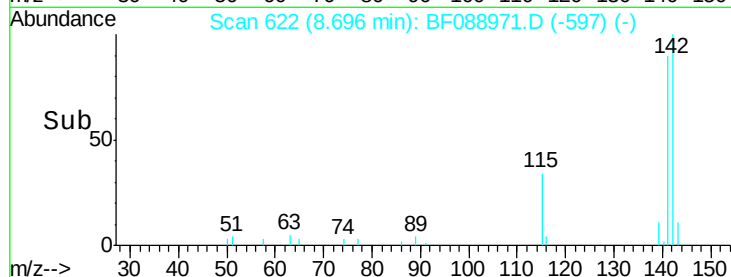
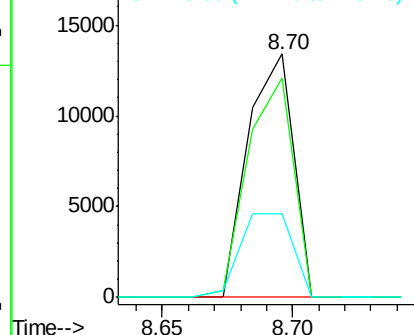
115 34.2 22.6 33.8#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.72 min Scan# 712

Delta R.T. -0.02 min

Lab File: BF088971.D

Acq: 13 Jul 2016 21:38

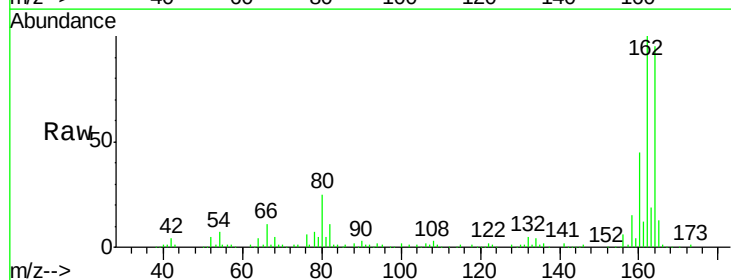
Tgt Ion:164 Resp: 103649

Ion Ratio Lower Upper

164 100

162 104.9 85.4 128.2

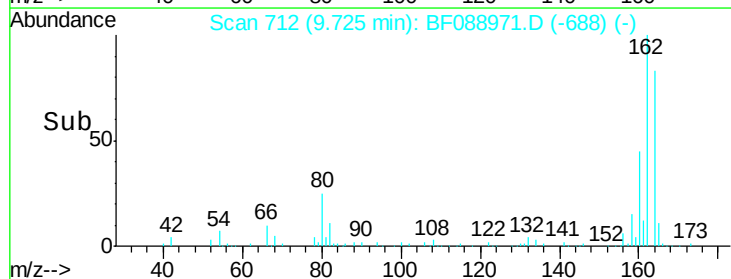
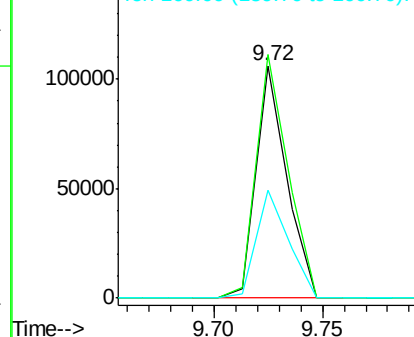
160 46.8 39.5 59.3

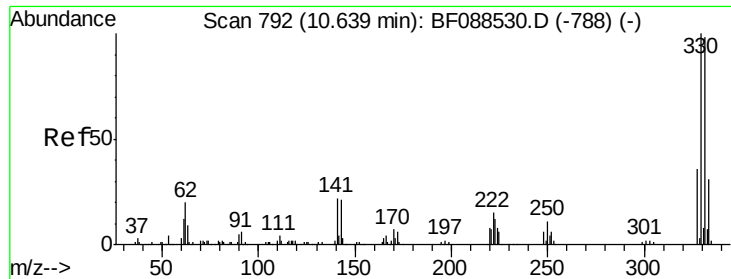


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

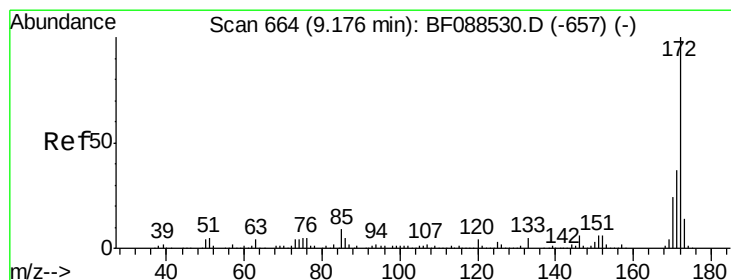
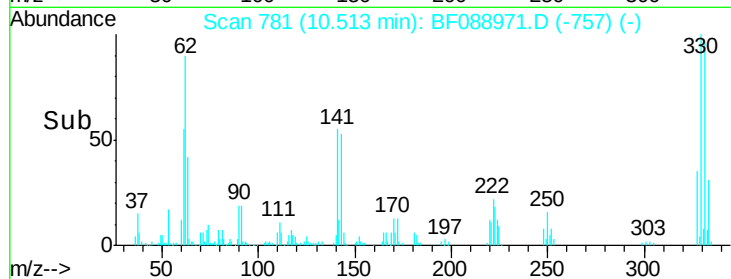
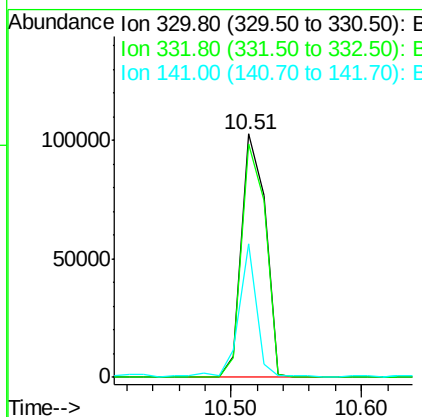
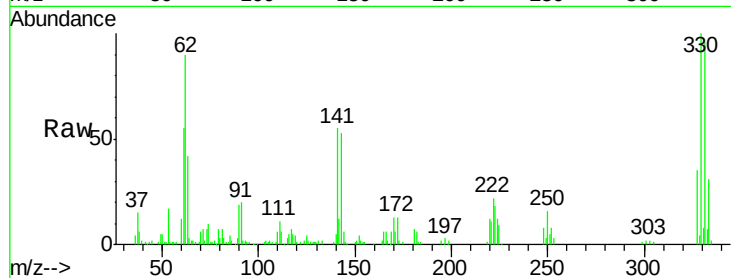




#41
 2,4,6-Tribromophenol
 Concen: 135.72 ng
 RT: 10.51 min Scan# 781
 Delta R.T. -0.02 min
 Lab File: BF088971.D
 Acq: 13 Jul 2016 21:38

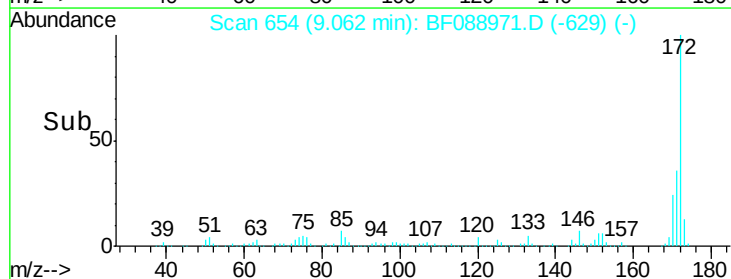
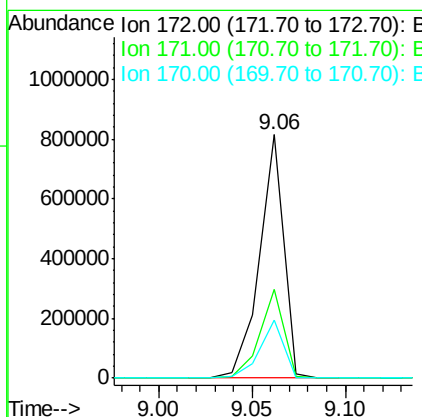
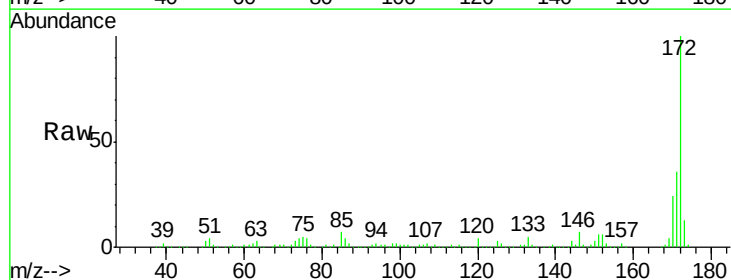
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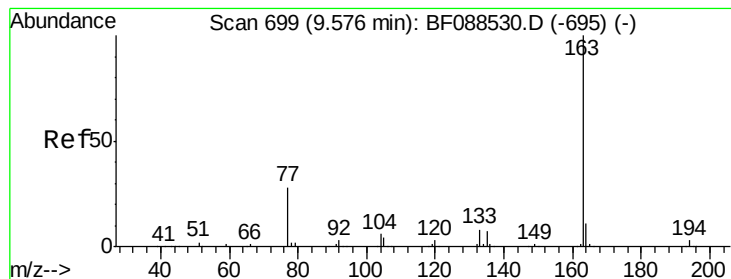
Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.1	0.0	0.0#
141	40.4	0.0	0.0#



#44
 2-Fluorobiphenyl
 Concen: 110.77 ng
 RT: 9.06 min Scan# 654
 Delta R.T. -0.01 min
 Lab File: BF088971.D
 Acq: 13 Jul 2016 21:38

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	28.6	43.0
170	24.0	19.2	28.8





#49

Dimethylphthalate

Concen: 20.86 ng

RT: 9.45 min Scan# 688

Delta R.T. -0.03 min

Lab File: BF088971.D

Acq: 13 Jul 2016 21:38

Instrument :

BNA_F

ClientSampleId :

C4.2-7

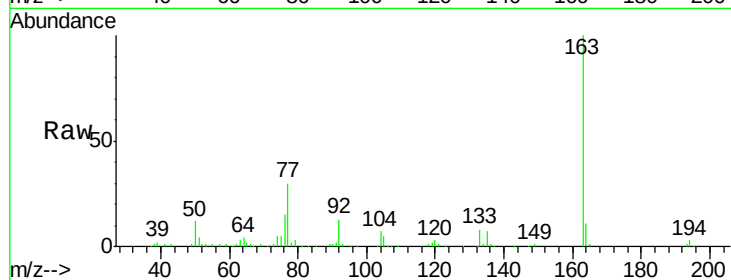
Tgt Ion:163 Resp: 154006

Ion Ratio Lower Upper

163 100

194 3.1 2.8 4.2

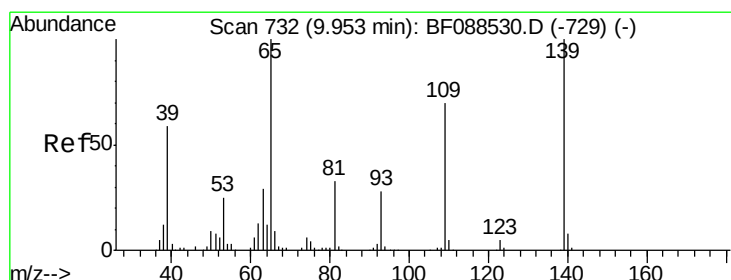
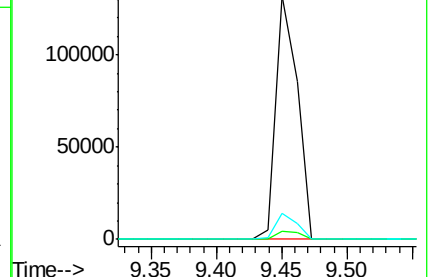
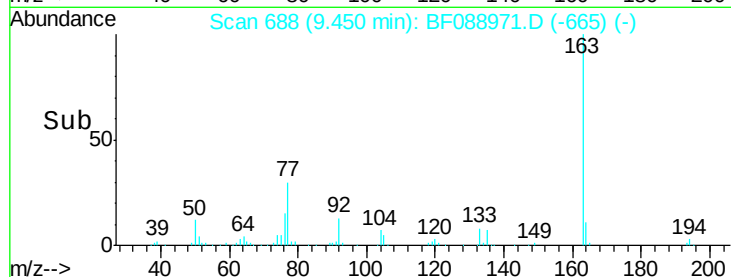
164 10.7 8.3 12.5



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: 2.25 ng

RT: 9.93 min Scan# 730

Delta R.T. 0.06 min

Lab File: BF088971.D

Acq: 13 Jul 2016 21:38

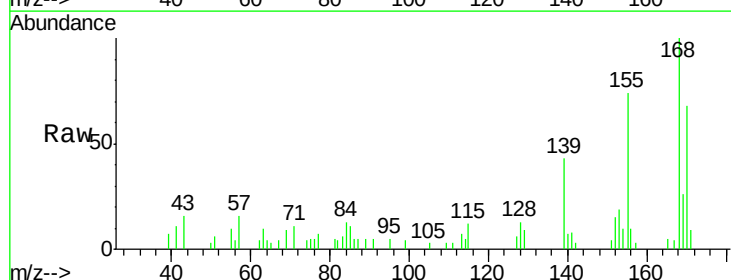
Tgt Ion:139 Resp: 3562

Ion Ratio Lower Upper

139 100

109 7.9 48.9 88.9#

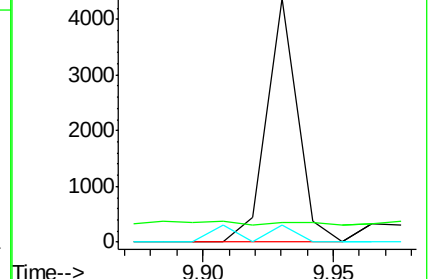
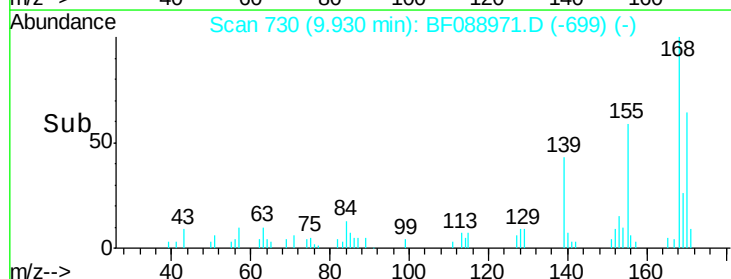
65 7.0 84.9 124.9#

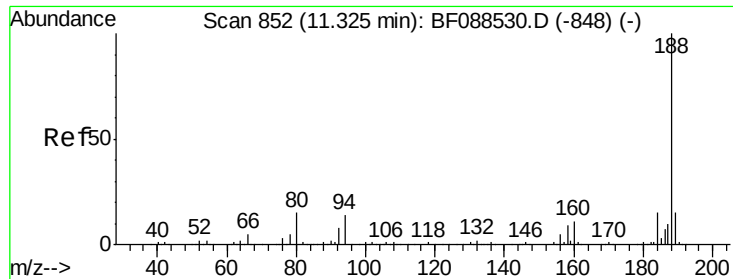


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

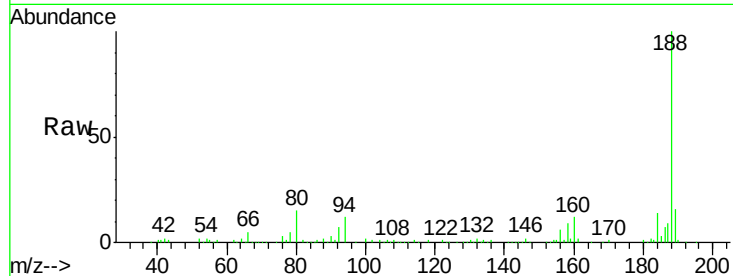




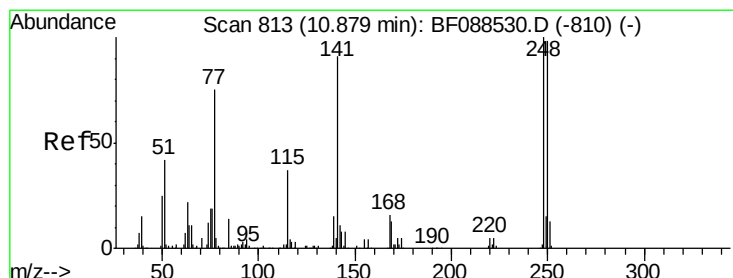
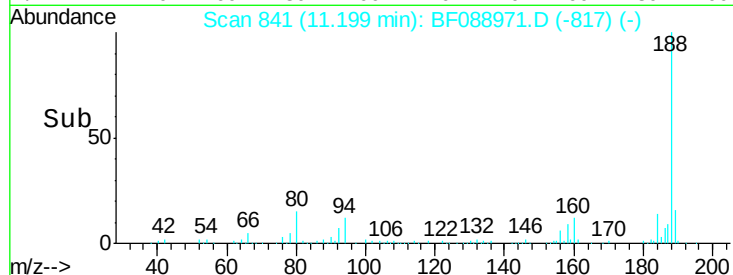
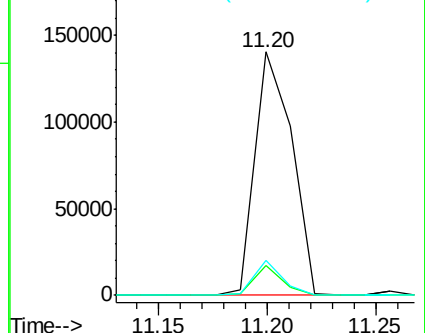
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.20 min Scan# 841
Delta R.T. -0.02 min
Lab File: BF088971.D
Acq: 13 Jul 2016 21:38

Instrument :
BNA_F
ClientSampleId :
C4.2-7

Tgt Ion:188 Resp: 166292
Ion Ratio Lower Upper
188 100
94 12.1 9.0 13.6
80 14.6 10.0 15.0

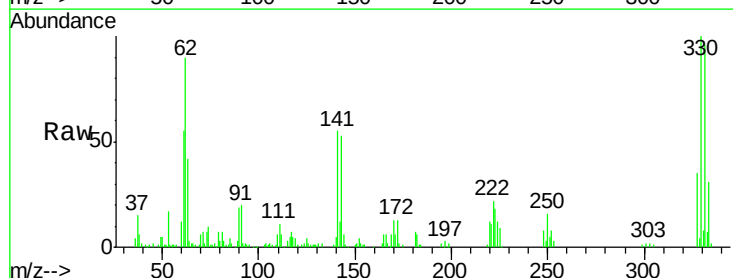


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

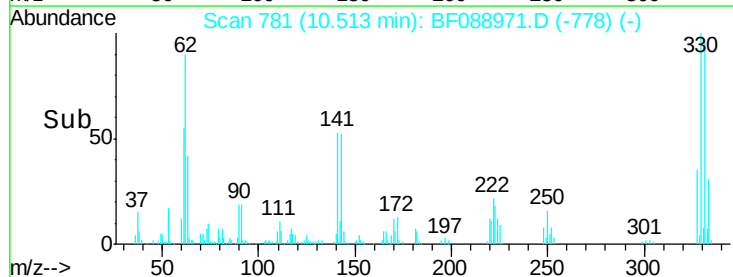
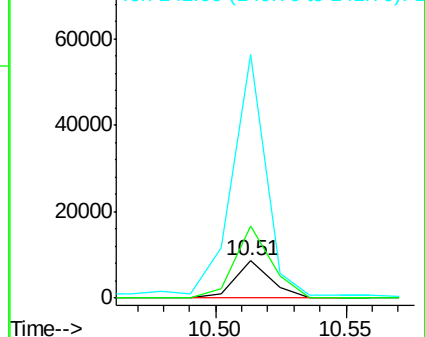


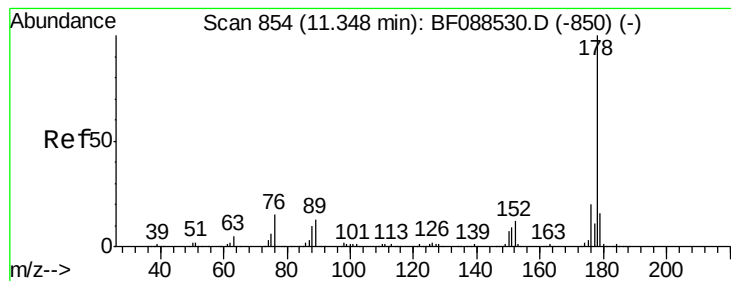
#66
4-Bromophenyl-phenylether
Concen: 5.05 ng
RT: 10.51 min Scan# 781
Delta R.T. -0.26 min
Lab File: BF088971.D
Acq: 13 Jul 2016 21:38

Tgt Ion:248 Resp: 8463
Ion Ratio Lower Upper
248 100
250 191.0 77.1 115.7#
141 650.1 50.6 76.0#



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





#70

Phenanthrene

Concen: 4.97 ng

RT: 11.22 min Scan# 843

Delta R.T. -0.02 min

Lab File: BF088971.D

Acq: 13 Jul 2016 21:38

Instrument :

BNA_F

ClientSampleId :

C4.2-7

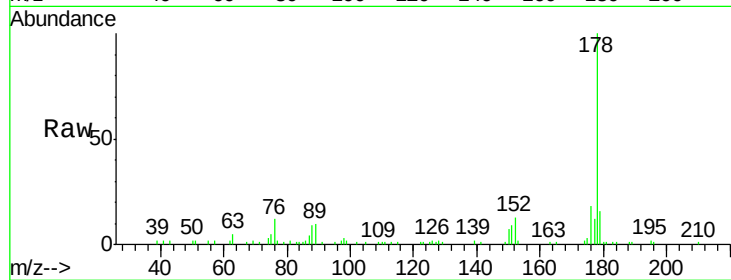
Tgt Ion:178 Resp: 45180

Ion Ratio Lower Upper

178 100

176 18.5 15.8 23.6

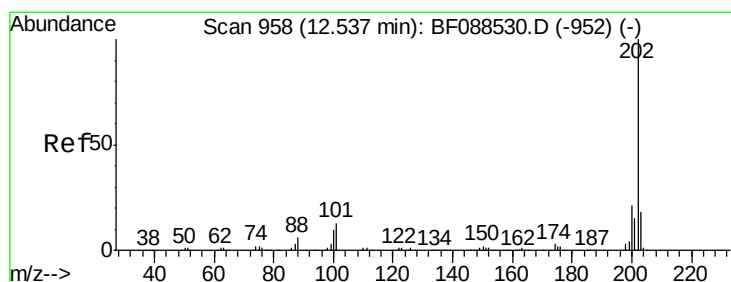
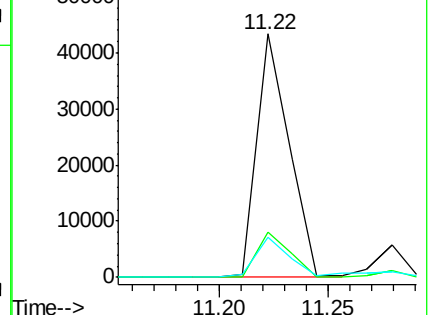
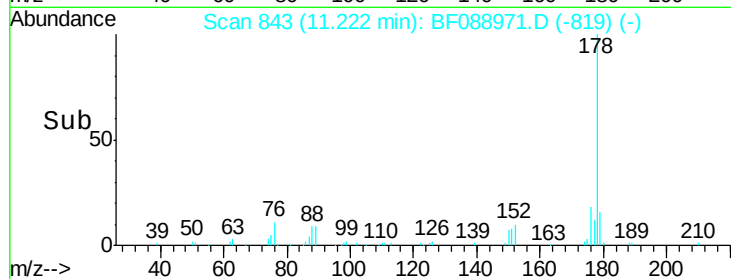
179 16.3 13.0 19.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 4.18 ng

RT: 12.41 min Scan# 947

Delta R.T. -0.01 min

Lab File: BF088971.D

Acq: 13 Jul 2016 21:38

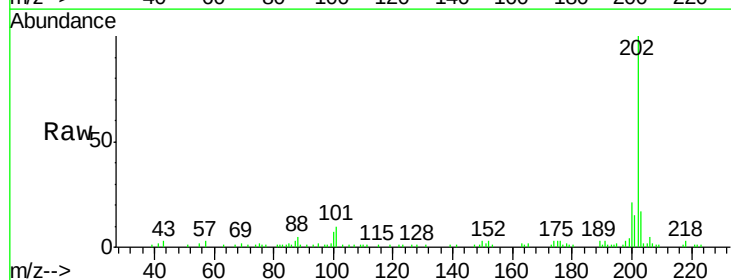
Tgt Ion:202 Resp: 38543

Ion Ratio Lower Upper

202 100

101 9.6 0.0 33.1

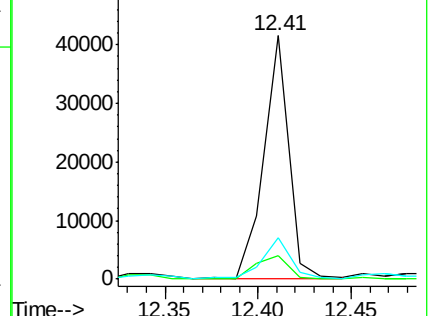
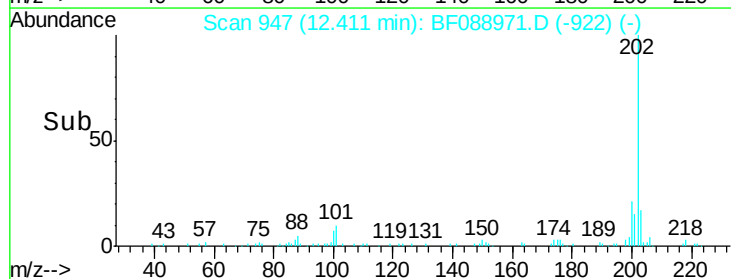
203 17.1 0.0 38.1

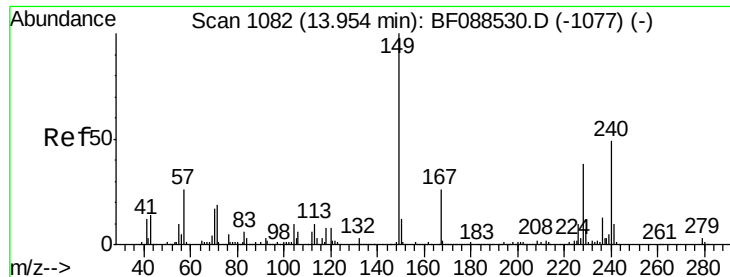


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.83 min Scan# 1071

Delta R.T. -0.02 min

Lab File: BF088971.D

Acq: 13 Jul 2016 21:38

Instrument :

BNA_F

ClientSampleId :

C4.2-7

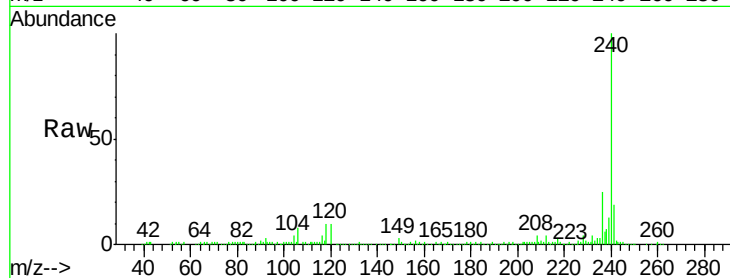
Tgt Ion:240 Resp: 129483

Ion Ratio Lower Upper

240 100

120 10.5 6.8 10.2#

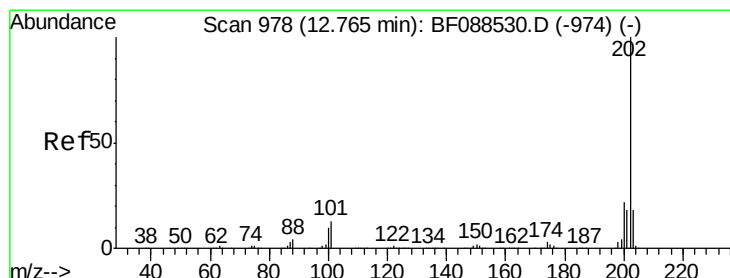
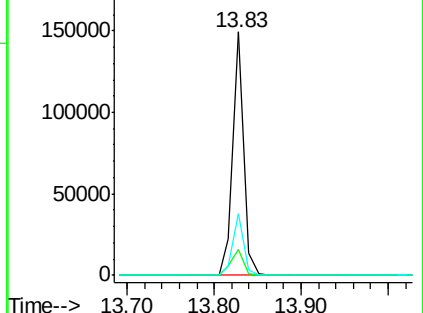
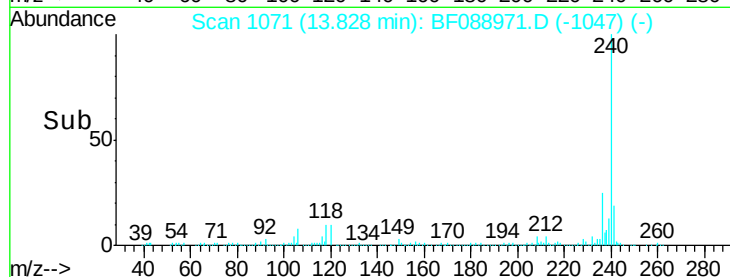
236 25.2 20.2 30.2



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: 3.45 ng

RT: 12.63 min Scan# 966

Delta R.T. -0.02 min

Lab File: BF088971.D

Acq: 13 Jul 2016 21:38

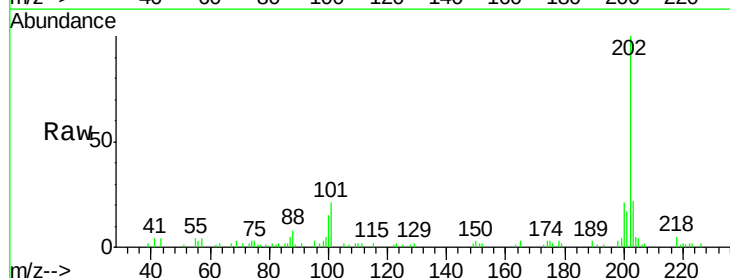
Tgt Ion:202 Resp: 37853

Ion Ratio Lower Upper

202 100

200 21.4 17.4 26.2

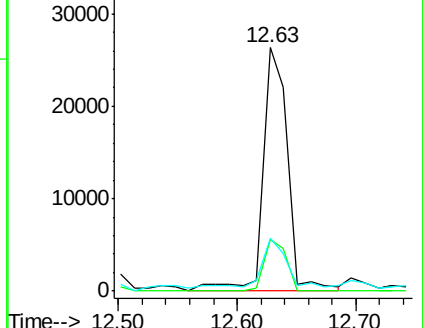
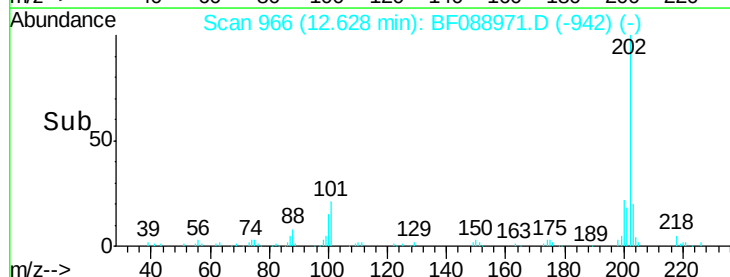
203 21.6 14.5 21.7

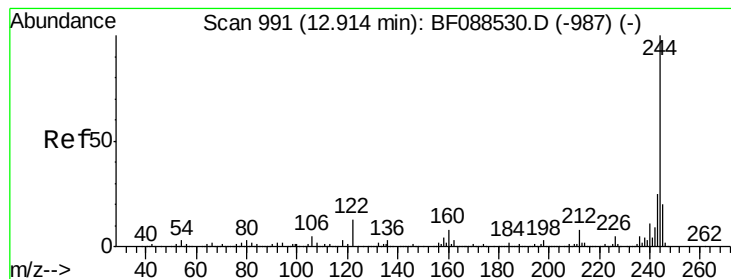


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 64.76 ng

RT: 12.79 min Scan# 980

Delta R.T. -0.01 min

Lab File: BF088971.D

Acq: 13 Jul 2016 21:38

Instrument :

BNA_F

ClientSampled :

C4.2-7

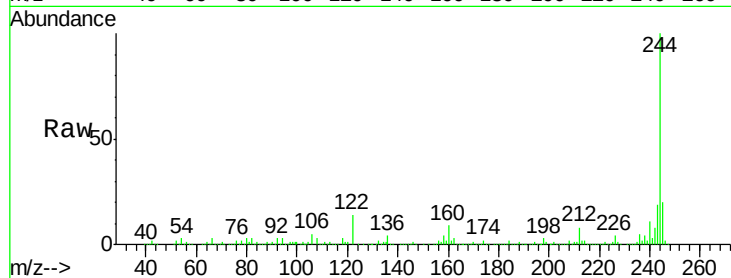
Tgt Ion:244 Resp: 376482

Ion Ratio Lower Upper

244 100

212 7.8 6.0 9.0

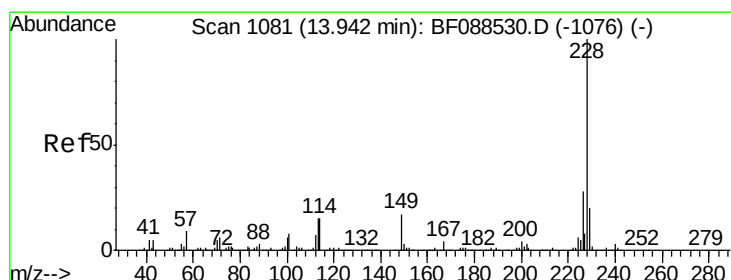
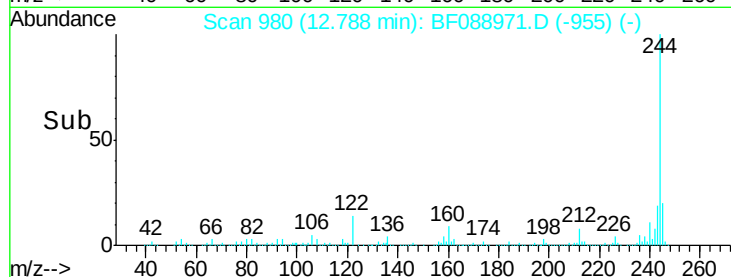
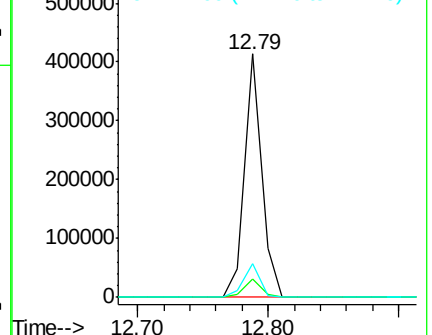
122 13.9 11.2 16.8



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: 2.46 ng

RT: 13.82 min Scan# 1070

Delta R.T. -0.02 min

Lab File: BF088971.D

Acq: 13 Jul 2016 21:38

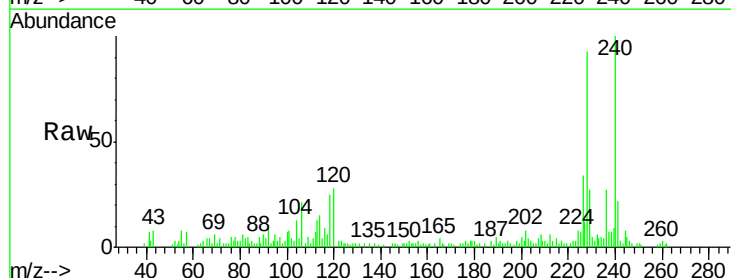
Tgt Ion:228 Resp: 20481

Ion Ratio Lower Upper

228 100

226 36.9 22.3 33.5#

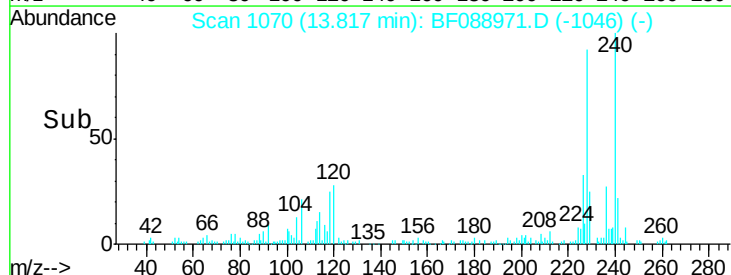
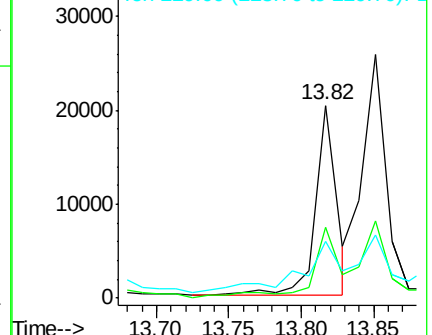
229 29.4 16.0 24.0#

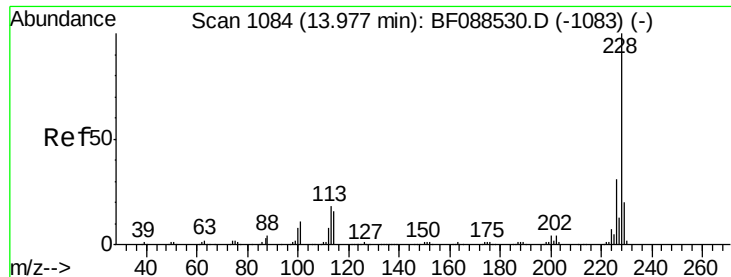


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.54 ng

RT: 13.85 min Scan# 1073

Delta R.T. -0.02 min

Lab File: BF088971.D

Acq: 13 Jul 2016 21:38

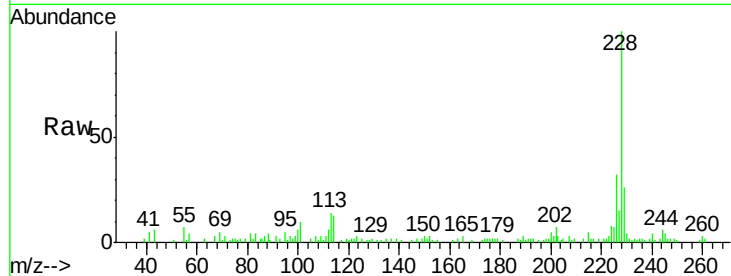
Instrument :

BNA_F

ClientSampleId :

C4.2-7

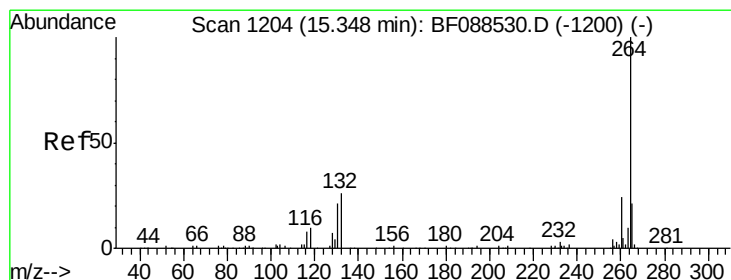
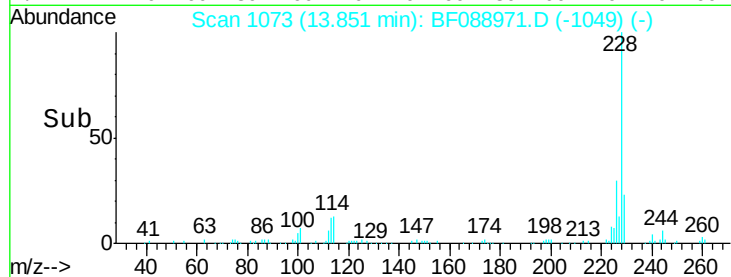
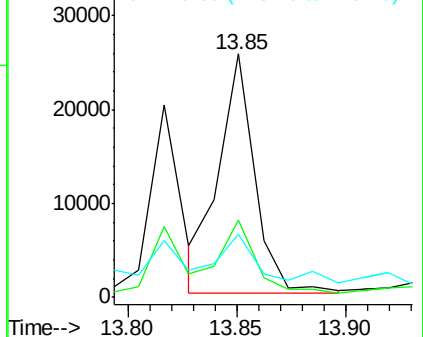
Tgt Ion:	228	Resp:	29219
Ion	Ratio	Lower	Upper
228	100		
226	31.5	25.4	38.2
229	26.1	16.3	24.5#



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



#86

Perylene-d12

Concen: 20.00 ng

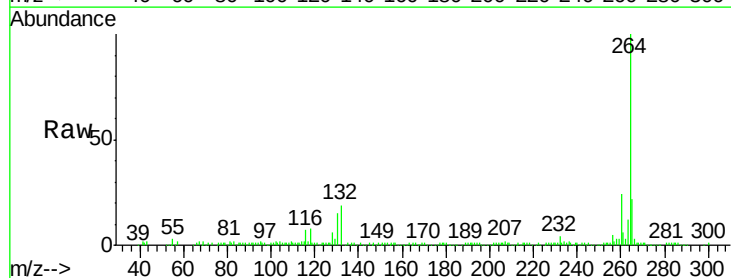
RT: 15.20 min Scan# 1191

Delta R.T. -0.01 min

Lab File: BF088971.D

Acq: 13 Jul 2016 21:38

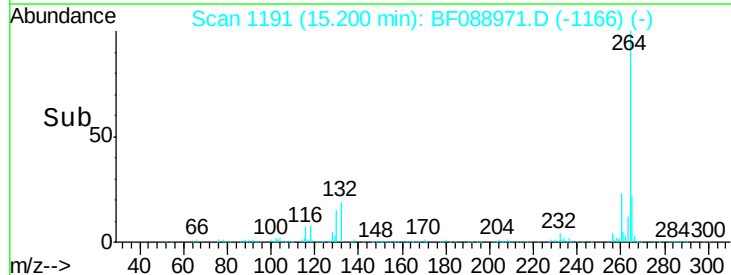
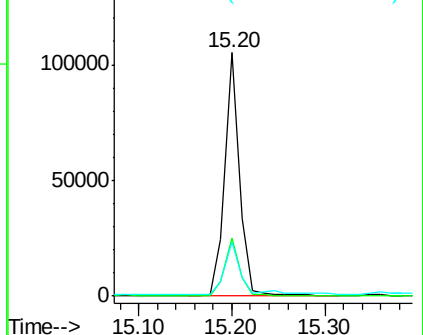
Tgt Ion:	264	Resp:	117291
Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	22.2	16.9	25.3

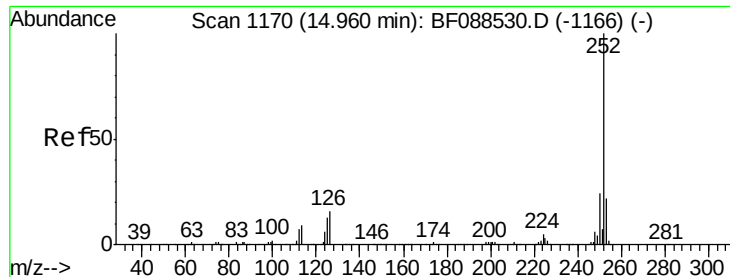


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 4.87 ng

RT: 14.82 min Scan# 1158

Delta R.T. -0.01 min

Lab File: BF088971.D

Acq: 13 Jul 2016 21:38

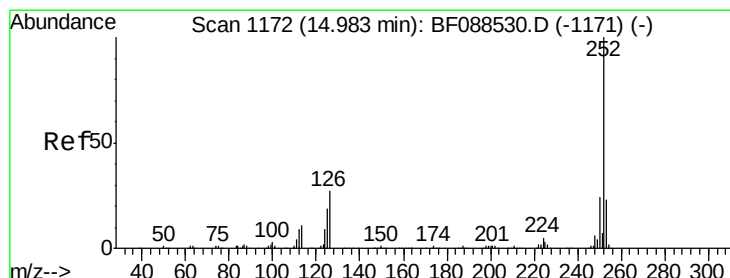
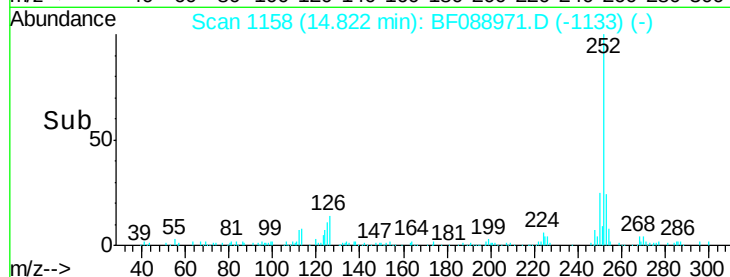
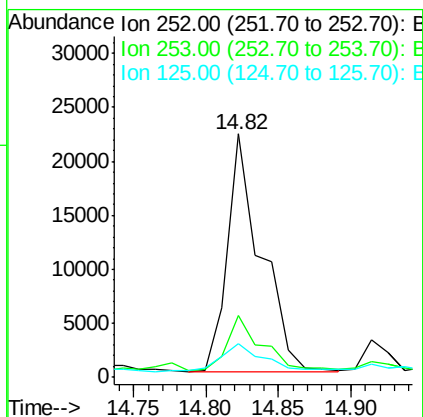
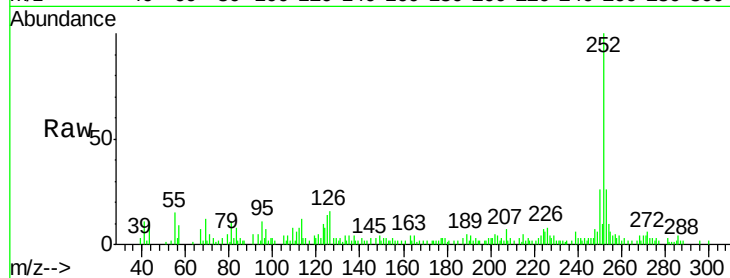
Instrument :

BNA_F

ClientSampleId :

C4.2-7

Tgt Ion:	252	Resp:	35847
Ion Ratio	Lower	Upper	
252	100		
253	25.6	17.4	26.2
125	13.6	7.1	10.7#



#88

Benzo(k)fluoranthene

Concen: 5.60 ng

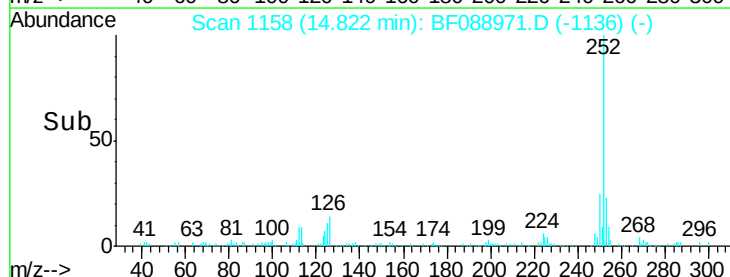
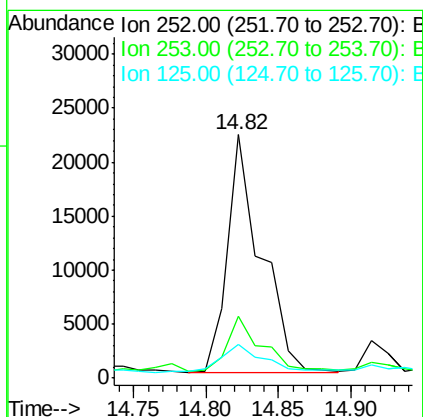
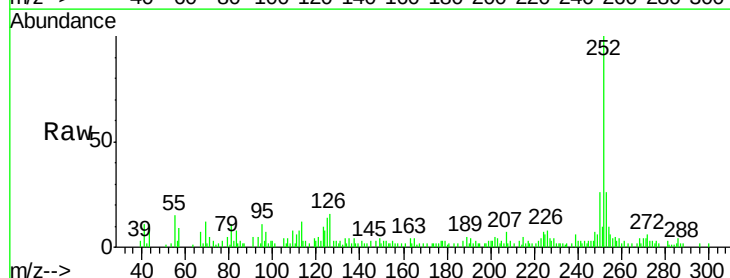
RT: 14.82 min Scan# 1158

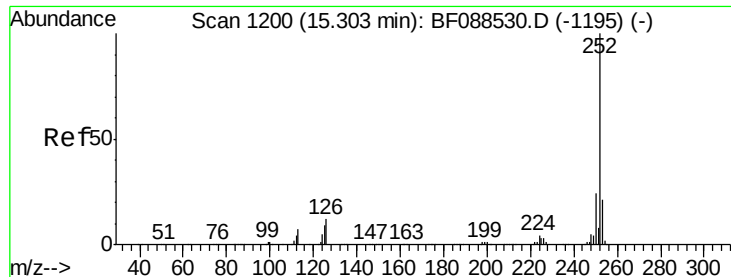
Delta R.T. -0.05 min

Lab File: BF088971.D

Acq: 13 Jul 2016 21:38

Tgt Ion:	252	Resp:	35847
Ion Ratio	Lower	Upper	
252	100		
253	25.6	18.0	27.0
125	13.6	11.2	16.8





#89

Benzo(a)pyrene

Concen: 2.86 ng

RT: 15.14 min Scan# 1186

Delta R.T. -0.02 min

Lab File: BF088971.D

Acq: 13 Jul 2016 21:38

Instrument :

BNA_F

ClientSampleId :

C4.2-7

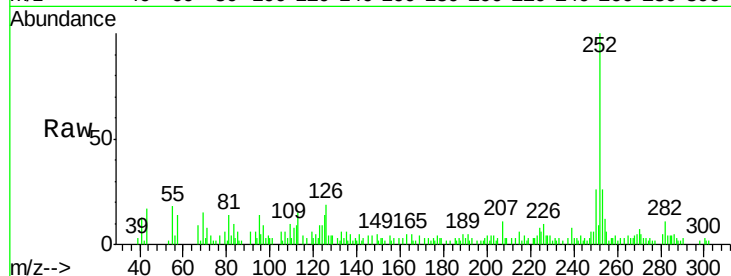
Tgt Ion: 252 Resp: 17839

Ion Ratio Lower Upper

252 100

253 26.4 17.9 26.9

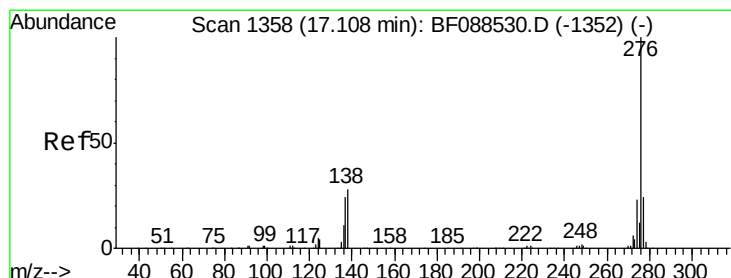
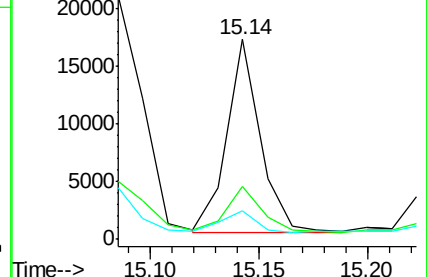
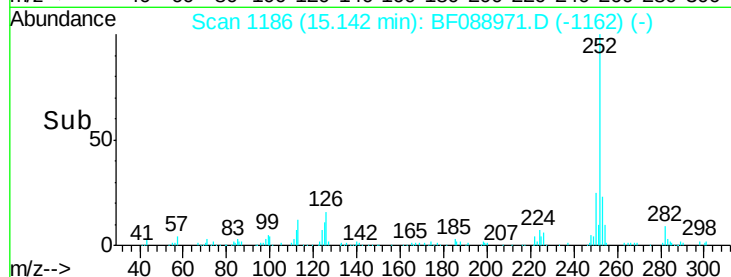
125 14.1 12.5 18.7



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



#91

Benzo(g,h,i)perylene

Concen: 3.08 ng

RT: 16.87 min Scan# 1337

Delta R.T. -0.02 min

Lab File: BF088971.D

Acq: 13 Jul 2016 21:38

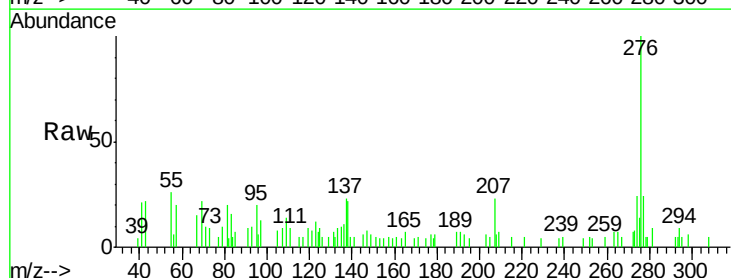
Tgt Ion: 276 Resp: 16591

Ion Ratio Lower Upper

276 100

277 23.6 18.9 28.3

138 21.8 21.4 32.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

