

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070216\
 Data File : BF088626.D
 Acq On : 2 Jul 2016 19:35
 Operator : UM/SJ
 Sample : H3847-07
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4-B2(0-11)C

Quant Time: Jul 03 03:04:31 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 30 18:01:55 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	112649	20.00	ng	-0.02
21) Naphthalene-d8	8.08	136	469415	20.00	ng	-0.02
38) Acenaphthene-d10	9.83	164	189186	20.00	ng	-0.02
63) Phenanthrene-d10	11.30	188	281275	20.00	ng	-0.02
75) Chrysene-d12	13.93	240	220412	20.00	ng	-0.02
86) Perylene-d12	15.34	264	212078	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	652898	86.86	ng	-0.02
7) Phenol-d6	6.43	99	940545	96.84	ng	-0.01
23) Nitrobenzene-d5	7.36	82	611589	68.28	ng	-0.02
41) 2,4,6-Tribromophenol	10.62	330	155617	88.58	ng	-0.02
44) 2-Fluorobiphenyl	9.15	172	787862	65.78	ng	-0.02
78) Terphenyl-d14	12.89	244	491626	49.68	ng	-0.02

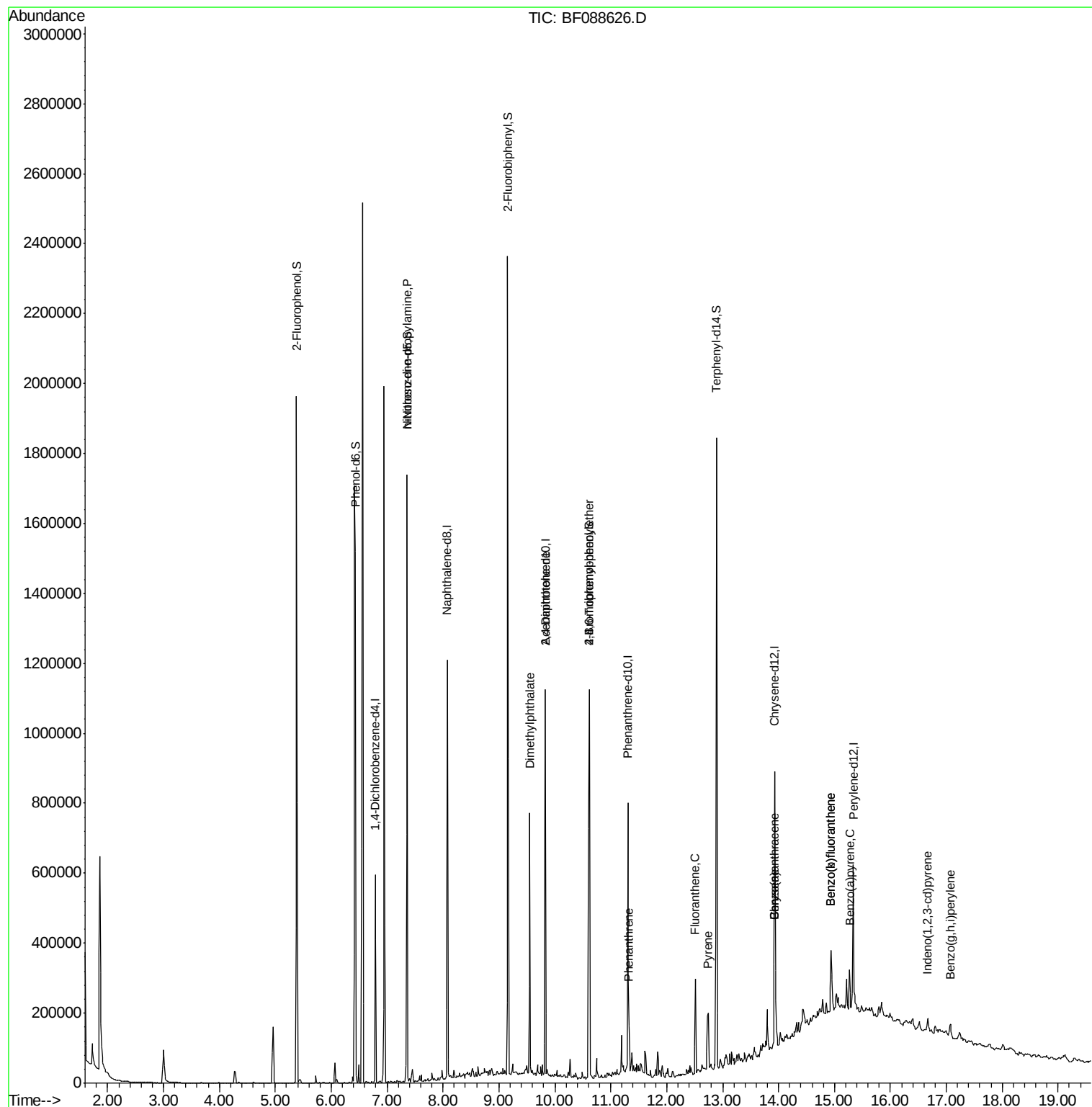
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.36	70	84417	12.94	ng	# 71
49) Dimethylphthalate	9.55	163	309855	22.99	ng	99
56) 2,4-Dinitrotoluene	9.83	165	25492	6.53	ng	# 38
66) 4-Bromophenyl-phenylether	10.62	248	10130	3.57	ng	# 1
70) Phenanthrene	11.32	178	46676	3.04	ng	97
74) Fluoranthene	12.51	202	102304	6.56	ng	96
77) Pyrene	12.74	202	91584	4.90	ng	98
80) Benzo(a)anthracene	13.92	228	74979	5.28	ng	95
82) Chrysene	13.92	228	74979	5.34	ng	100
85) Indeno(1,2,3-cd)pyrene	16.66	276	25420	2.35	ng	# 100
87) Benzo(b)fluoranthene	14.94	252	117654	8.84	ng	# 93
88) Benzo(k)fluoranthene	14.94	252	117654	10.16	ng	99
89) Benzo(a)pyrene	15.27	252	49870	4.43	ng	96
91) Benzo(g,h,i)perylene	17.07	276	32099	3.30	ng	96

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.79 min Scan# 455

Delta R.T. -0.02 min

Lab File: BF088626.D

Acq: 2 Jul 2016 19:35

Instrument :

BNA_F

ClientSampleId :

S4-B2(0-11)C

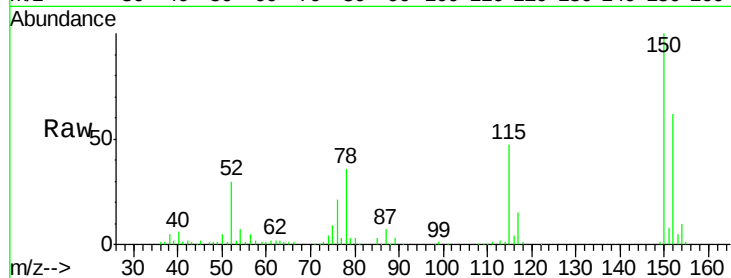
Tgt Ion:152 Resp: 112649

Ion Ratio Lower Upper

152 100

150 160.7 123.8 185.6

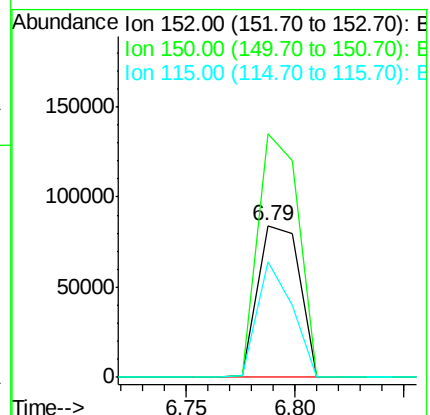
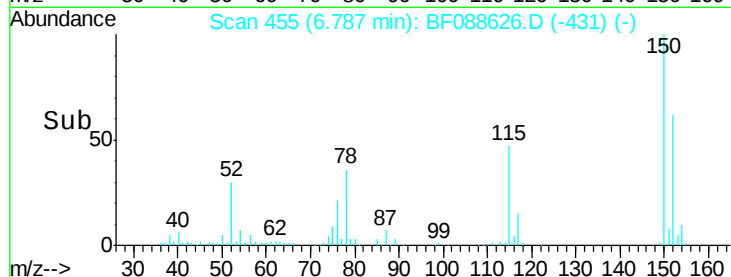
115 76.1 39.6 59.4#



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: 86.86 ng

RT: 5.38 min Scan# 332

Delta R.T. -0.02 min

Lab File: BF088626.D

Acq: 2 Jul 2016 19:35

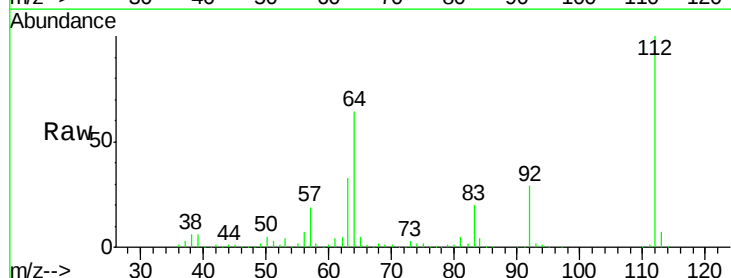
Tgt Ion:112 Resp: 652898

Ion Ratio Lower Upper

112 100

64 63.8 42.2 63.2#

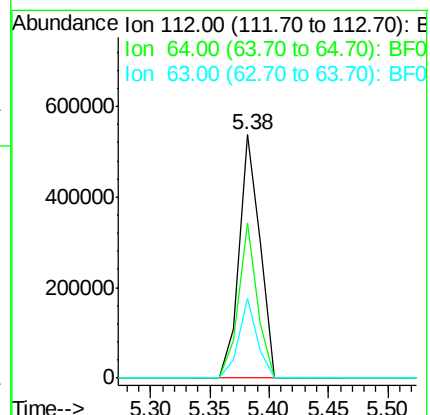
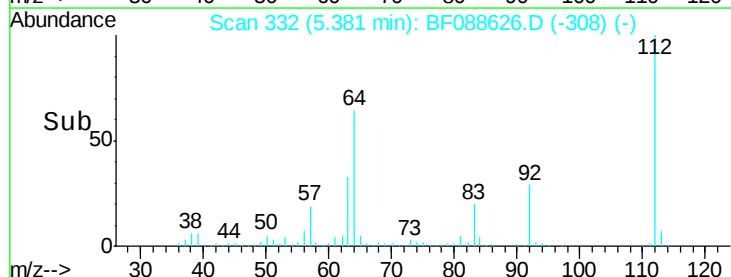
63 33.0 21.8 32.8#



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: 96.84 ng

RT: 6.43 min Scan# 424

Delta R.T. -0.01 min

Lab File: BF088626.D

Acq: 2 Jul 2016 19:35

Instrument :

BNA_F

ClientSampleId :

S4-B2(0-11)C

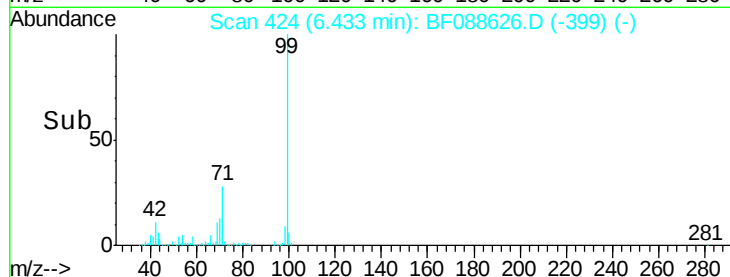
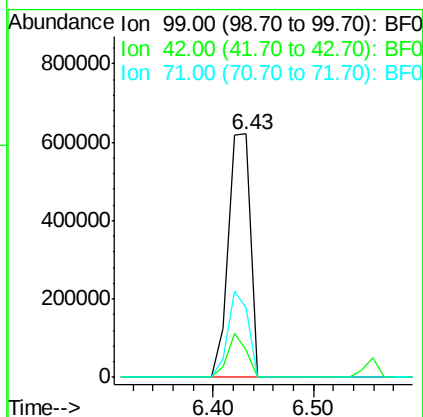
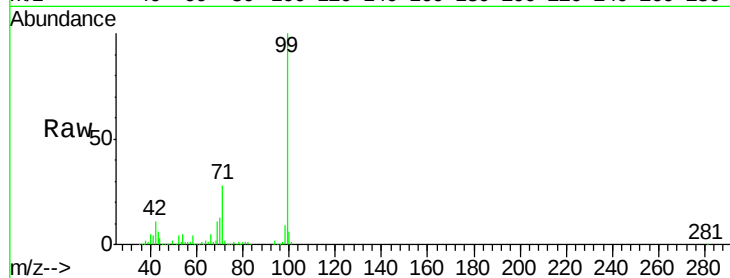
Tgt Ion: 99 Resp: 940545

Ion Ratio Lower Upper

99 100

42 11.2 12.2 18.2#

71 28.4 23.4 35.0



#19

n-Nitroso-di-n-propylamine

Concen: 12.94 ng

RT: 7.36 min Scan# 505

Delta R.T. 0.13 min

Lab File: BF088626.D

Acq: 2 Jul 2016 19:35

Tgt Ion: 70 Resp: 84417

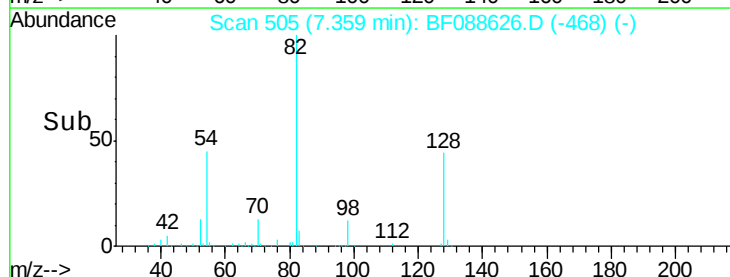
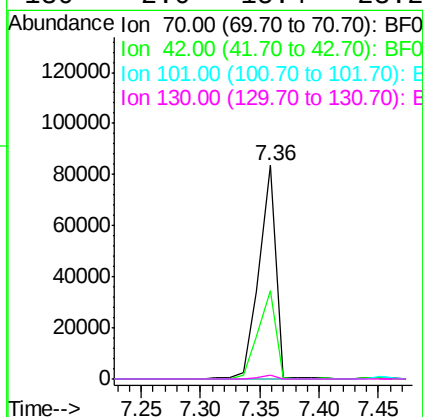
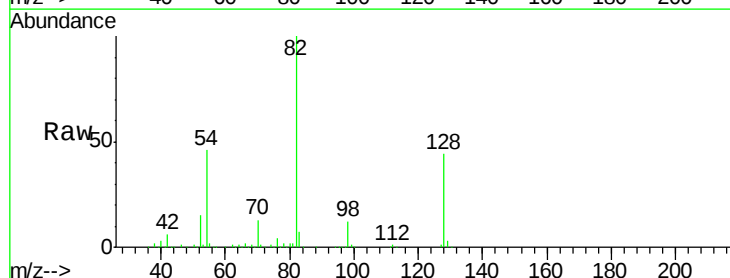
Ion Ratio Lower Upper

70 100

42 41.4 49.6 74.4#

101 0.0 7.1 10.7#

130 2.0 15.4 23.2#

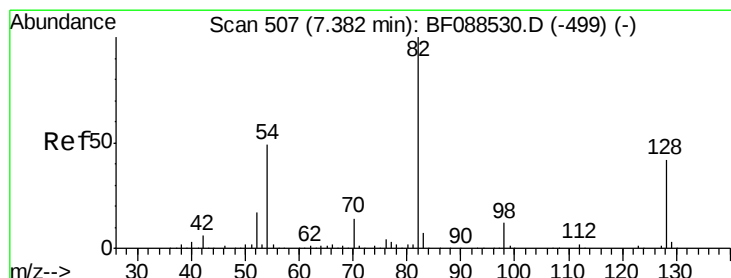
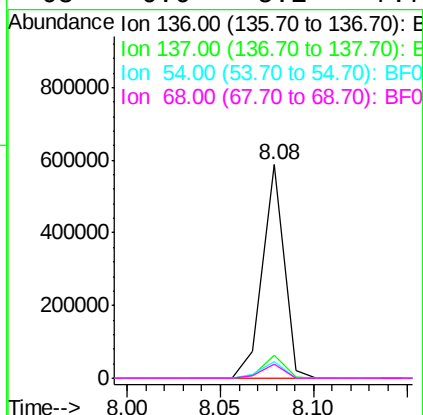
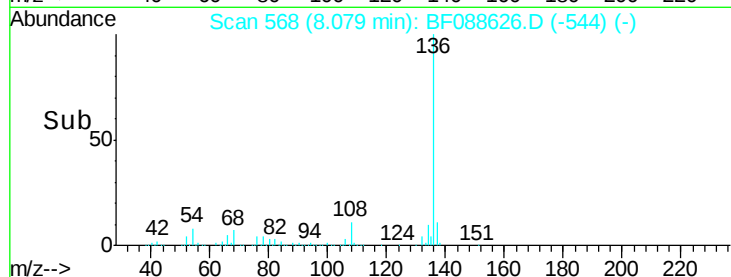
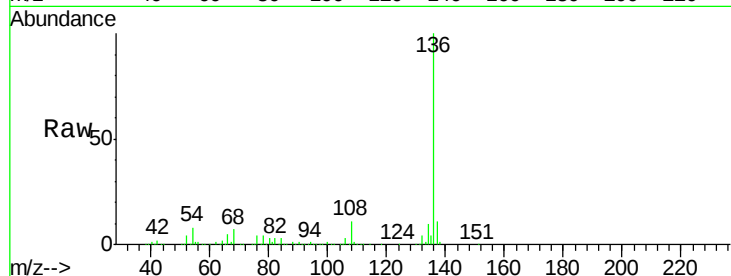




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.08 min Scan# 568
Delta R.T. -0.02 min
Lab File: BF088626.D
Acq: 2 Jul 2016 19:35

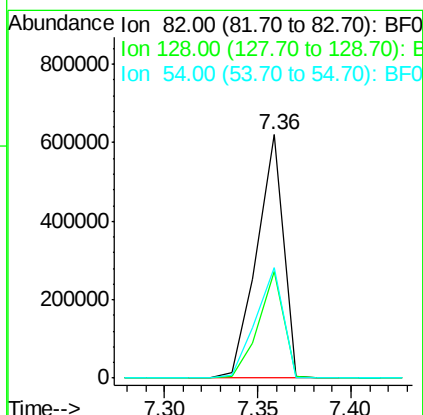
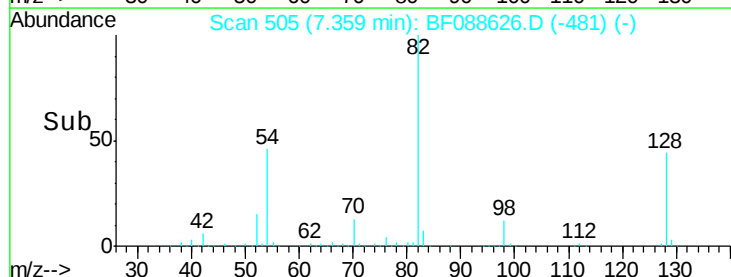
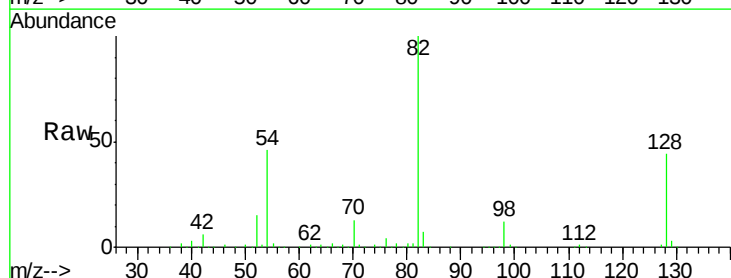
Instrument :
BNA_F
ClientSampleId :
S4-B2(0-11)C

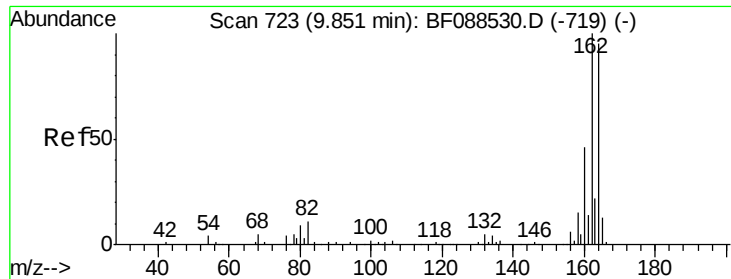
Tgt Ion:	136	Resp:	469415
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	7.6	6.6	10.0
68	6.6	5.1	7.7



#23
Nitrobenzene-d5
Concen: 68.28 ng
RT: 7.36 min Scan# 505
Delta R.T. -0.02 min
Lab File: BF088626.D
Acq: 2 Jul 2016 19:35

Tgt Ion:	82	Resp:	611589
Ion	Ratio	Lower	Upper
82	100		
128	43.6	35.9	53.9
54	45.6	40.9	61.3

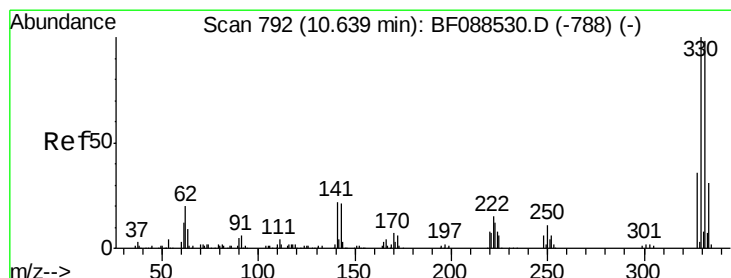
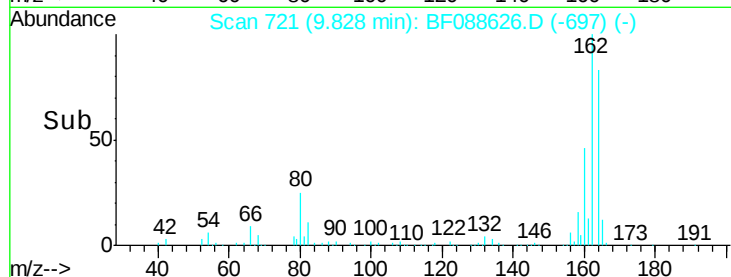
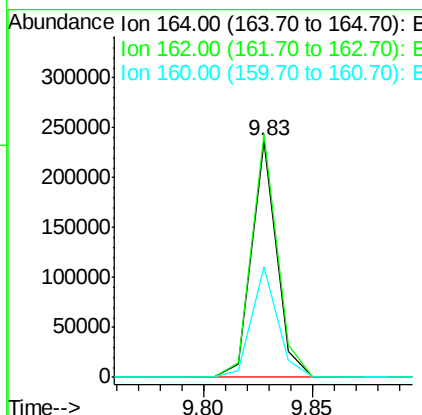
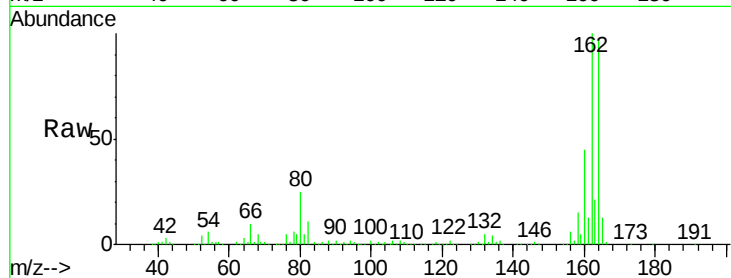




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.83 min Scan# 721
Delta R.T. -0.02 min
Lab File: BF088626.D
Acq: 2 Jul 2016 19:35

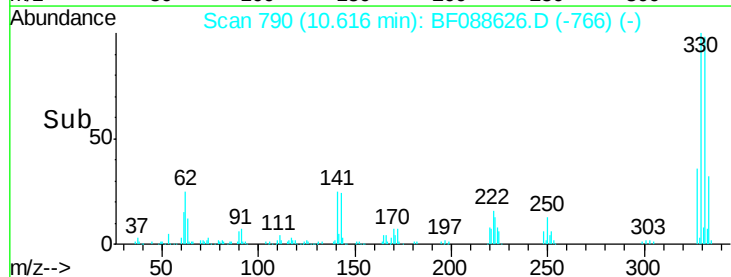
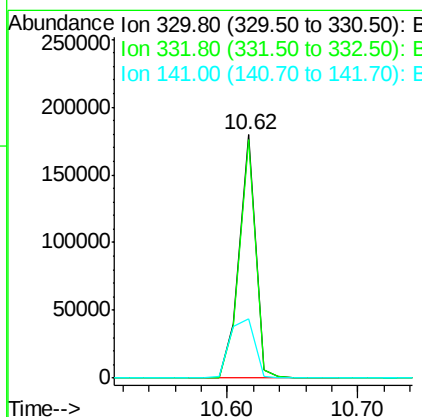
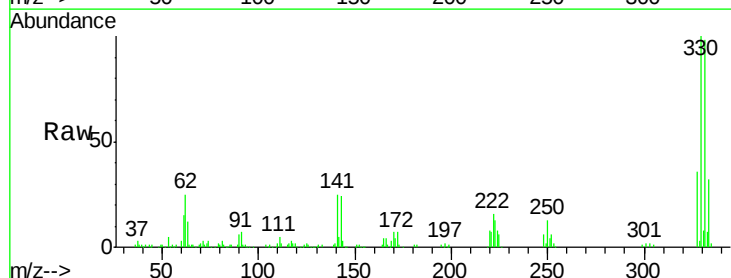
Instrument :
BNA_F
ClientSampleId :
S4-B2(0-11)C

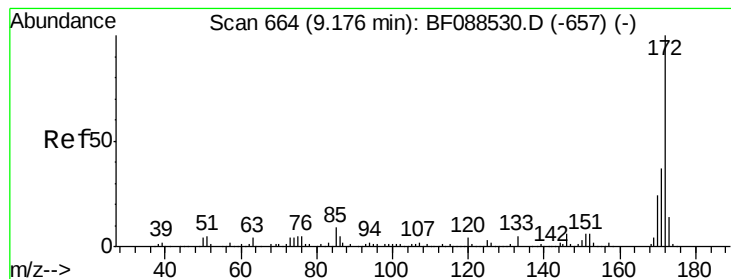
Tgt Ion:164 Resp: 189186
Ion Ratio Lower Upper
164 100
162 103.1 85.4 128.2
160 46.7 39.5 59.3



#41
2,4,6-Tribromophenol
Concen: 88.58 ng
RT: 10.62 min Scan# 790
Delta R.T. -0.02 min
Lab File: BF088626.D
Acq: 2 Jul 2016 19:35

Tgt Ion:330 Resp: 155617
Ion Ratio Lower Upper
330 100
332 97.8 0.0 0.0#
141 37.5 0.0 0.0#





#44

2-Fluorobiphenyl

Concen: 65.78 ng

RT: 9.15 min Scan# 662

Delta R.T. -0.02 min

Lab File: BF088626.D

Acq: 2 Jul 2016 19:35

Instrument :

BNA_F

ClientSampleId :

S4-B2(0-11)C

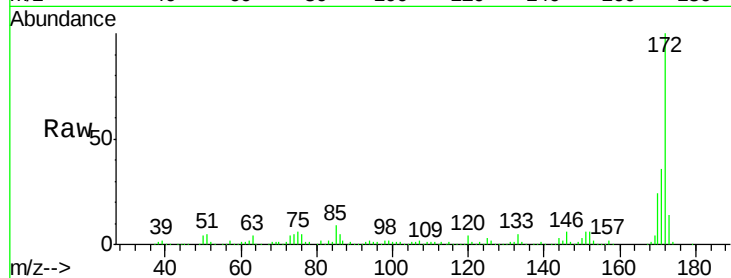
Tgt Ion:172 Resp: 787862

Ion Ratio Lower Upper

172 100

171 36.0 28.6 43.0

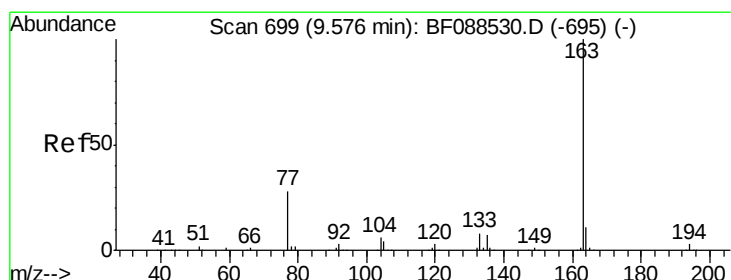
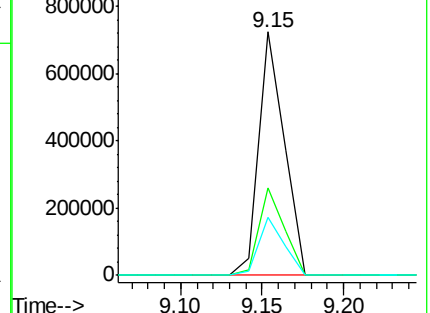
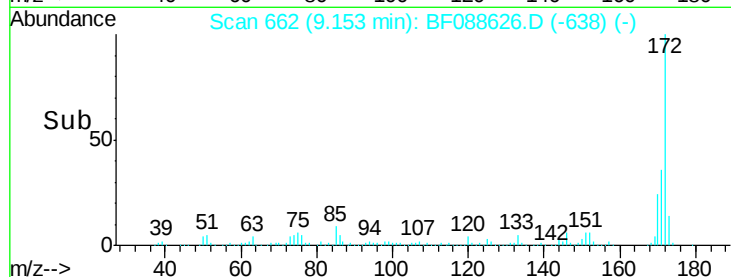
170 23.8 19.2 28.8



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: 22.99 ng

RT: 9.55 min Scan# 697

Delta R.T. -0.02 min

Lab File: BF088626.D

Acq: 2 Jul 2016 19:35

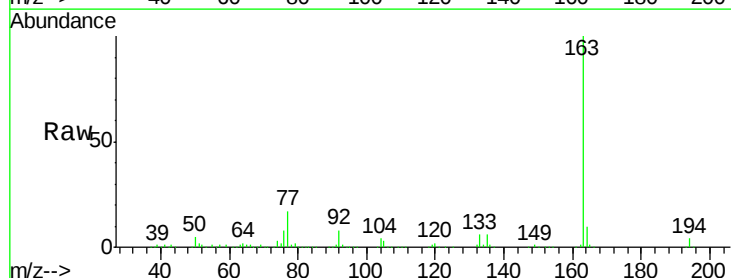
Tgt Ion:163 Resp: 309855

Ion Ratio Lower Upper

163 100

194 3.5 2.8 4.2

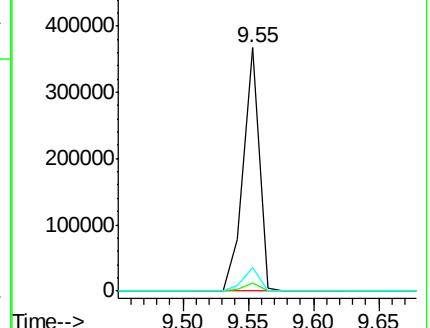
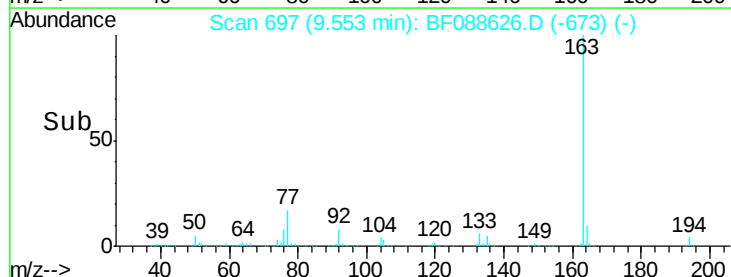
164 9.7 8.3 12.5

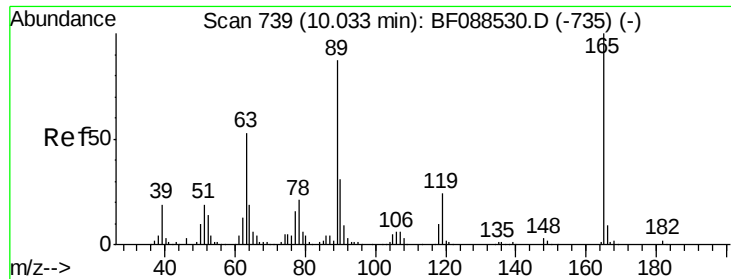


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

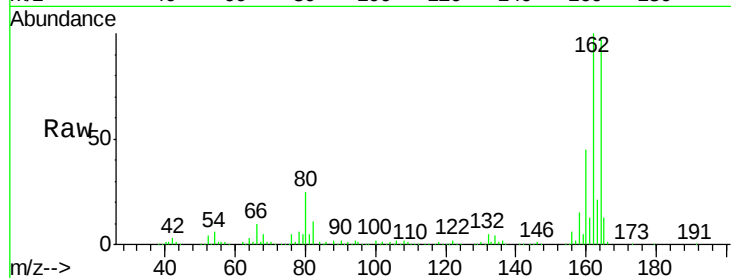




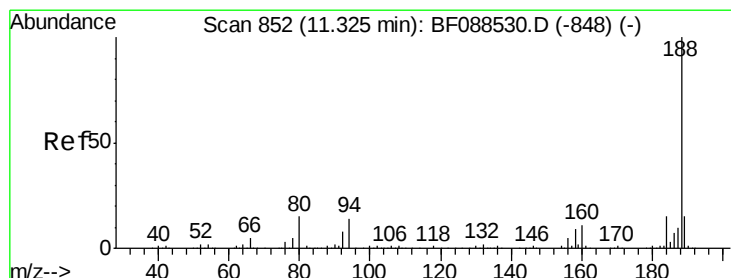
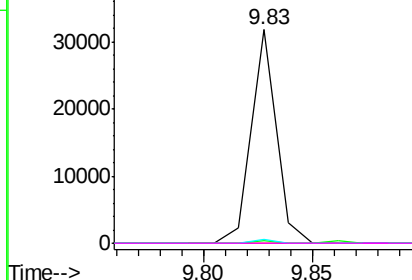
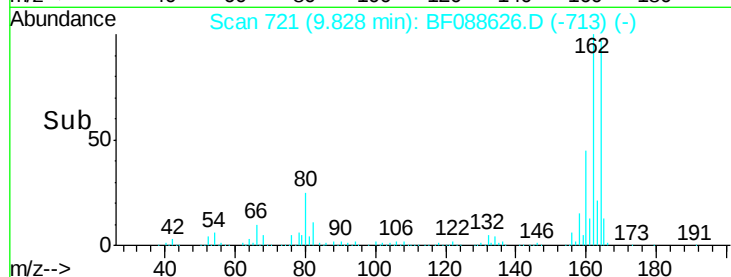
#56
 2,4-Dinitrotoluene
 Concen: 6.53 ng
 RT: 9.83 min Scan# 721
 Delta R.T. -0.21 min
 Lab File: BF088626.D
 Acq: 2 Jul 2016 19:35

Instrument :
 BNA_F
 ClientSampleId :
 S4-B2(0-11)C

Tgt Ion:165 Resp: 25492
 Ion Ratio Lower Upper
 165 100
 63 1.4 22.0 33.0#
 89 1.7 41.1 61.7#
 182 0.0 2.0 3.0#

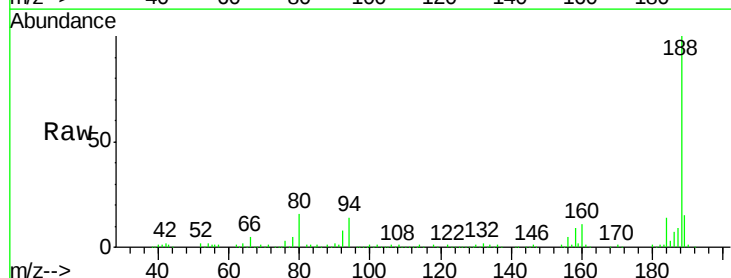


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

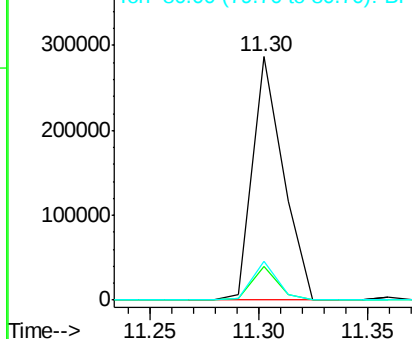
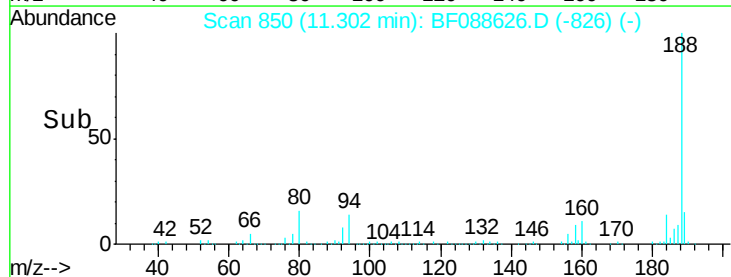


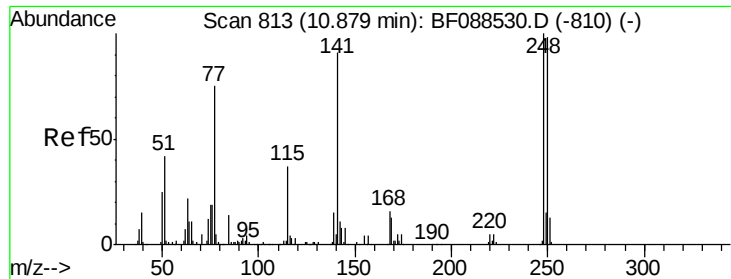
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.30 min Scan# 850
 Delta R.T. -0.02 min
 Lab File: BF088626.D
 Acq: 2 Jul 2016 19:35

Tgt Ion:188 Resp: 281275
 Ion Ratio Lower Upper
 188 100
 94 13.6 9.0 13.6#
 80 15.8 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

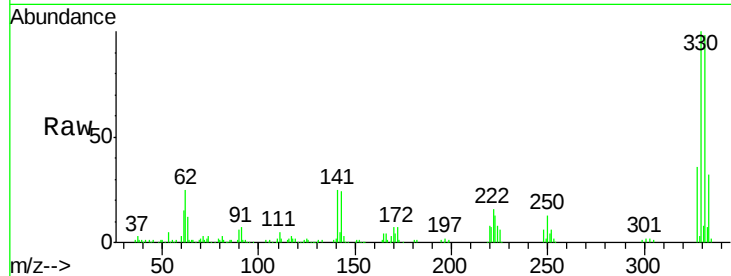




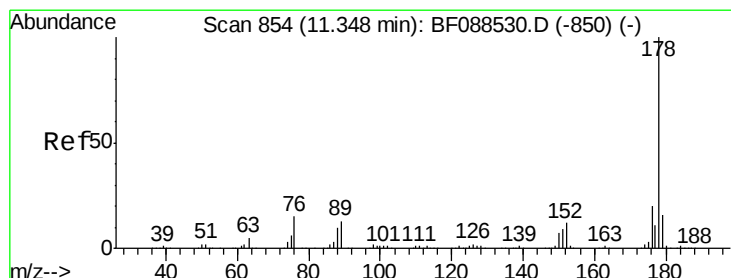
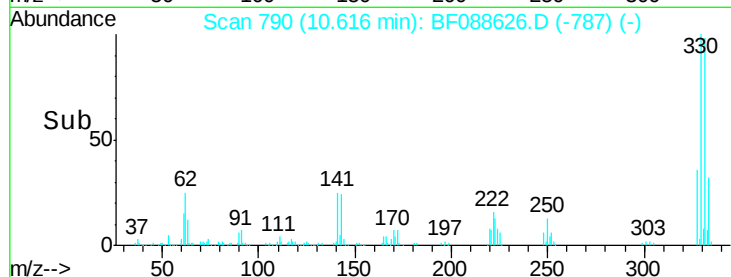
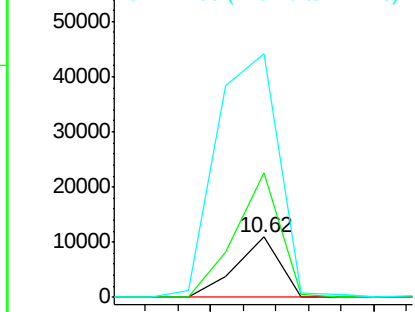
#66
 4-Bromophenyl-phenylether
 Concen: 3.57 ng
 RT: 10.62 min Scan# 790
 Delta R.T. -0.26 min
 Lab File: BF088626.D
 Acq: 2 Jul 2016 19:35

Instrument :
 BNA_F
 ClientSampleId :
 S4-B2(0-11)C

Tgt Ion:248 Resp: 10130
 Ion Ratio Lower Upper
 248 100
 250 207.2 77.1 115.7#
 141 404.5 50.6 76.0#

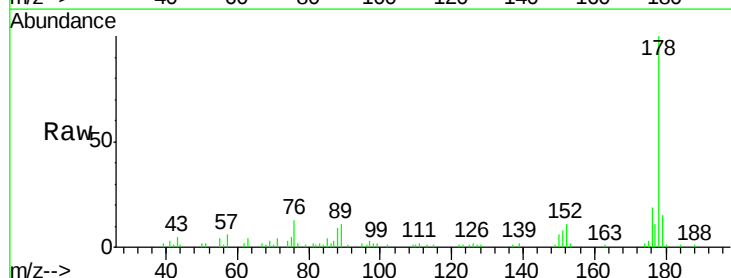


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

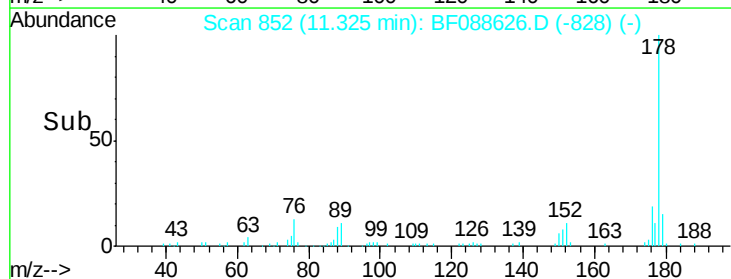
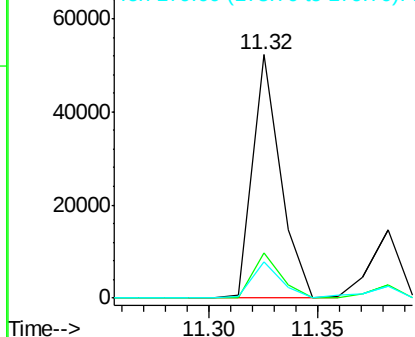


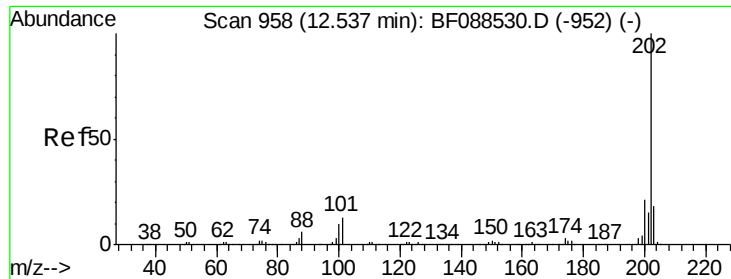
#70
 Phenanthrene
 Concen: 3.04 ng
 RT: 11.32 min Scan# 852
 Delta R.T. -0.02 min
 Lab File: BF088626.D
 Acq: 2 Jul 2016 19:35

Tgt Ion:178 Resp: 46676
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.8 23.6
 179 15.1 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: 6.56 ng

RT: 12.51 min Scan# 956

Delta R.T. -0.02 min

Lab File: BF088626.D

Acq: 2 Jul 2016 19:35

Instrument :

BNA_F

ClientSampleId :

S4-B2(0-11)C

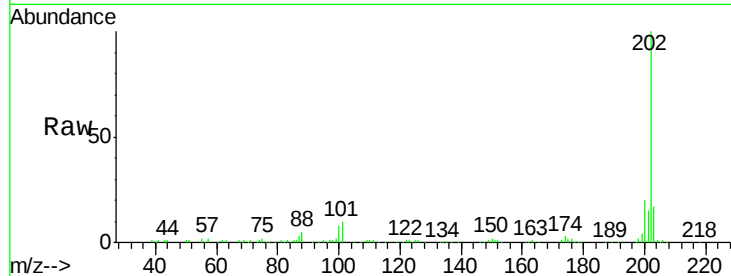
Tgt Ion:202 Resp: 102304

Ion Ratio Lower Upper

202 100

101 10.4 0.0 33.1

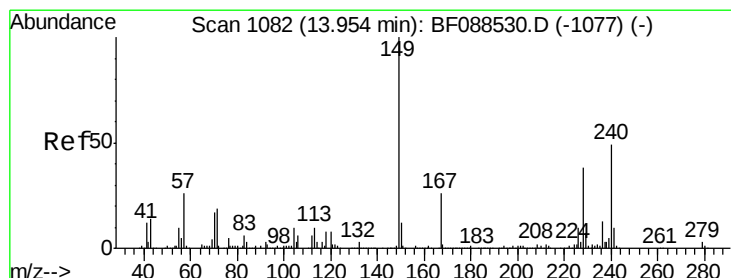
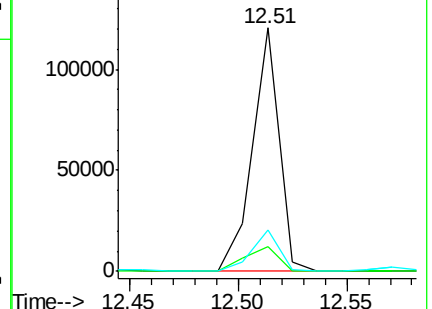
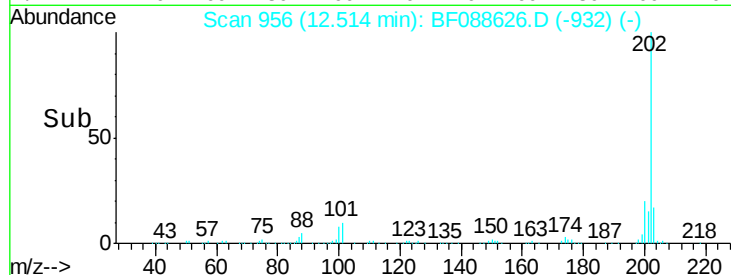
203 17.0 0.0 38.1



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: 13.93 min Scan# 1080

Delta R.T. -0.02 min

Lab File: BF088626.D

Acq: 2 Jul 2016 19:35

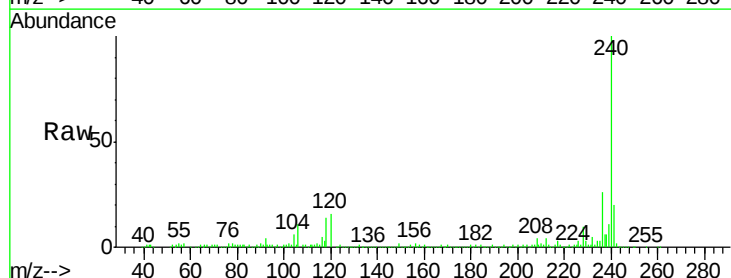
Tgt Ion:240 Resp: 220412

Ion Ratio Lower Upper

240 100

120 15.6 6.8 10.2#

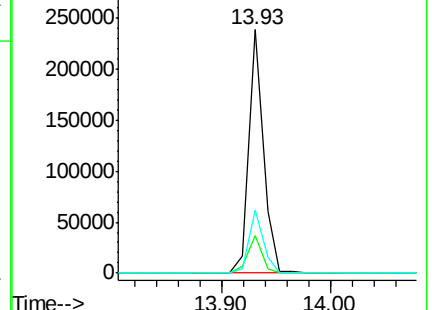
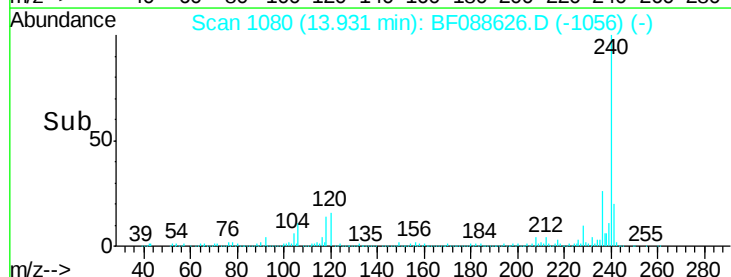
236 26.0 20.2 30.2

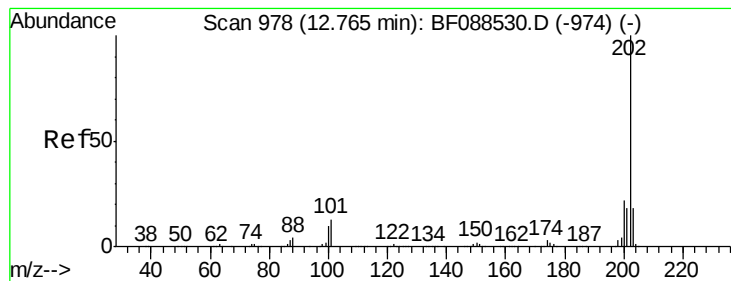


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 4.90 ng

RT: 12.74 min Scan# 976

Delta R.T. -0.02 min

Lab File: BF088626.D

Acq: 2 Jul 2016 19:35

Instrument :

BNA_F

ClientSampleId :

S4-B2(0-11)C

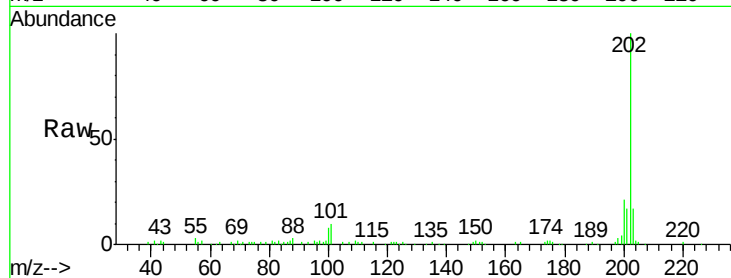
Tgt Ion: 202 Resp: 91584

Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.2

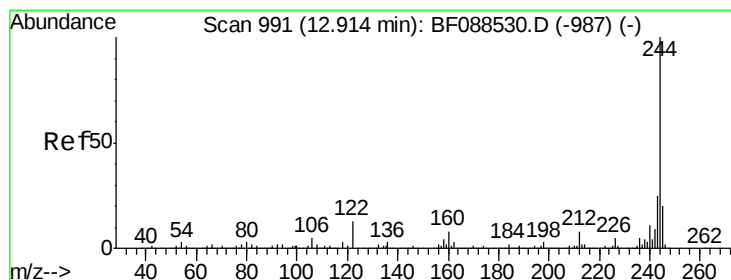
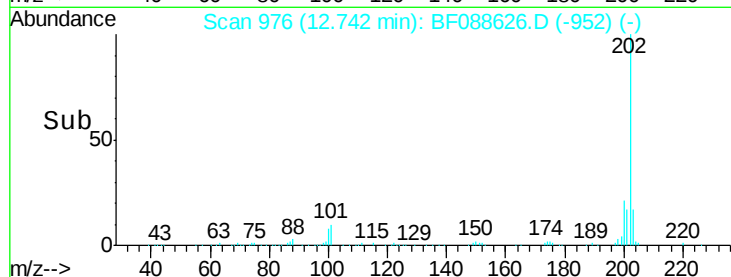
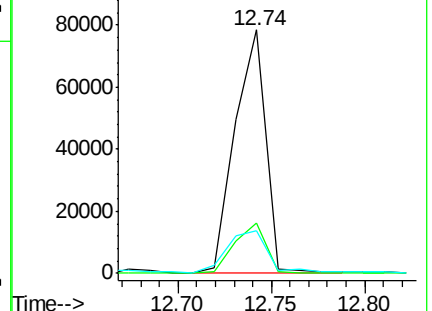
203 17.4 14.5 21.7



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: 49.68 ng

RT: 12.89 min Scan# 989

Delta R.T. -0.02 min

Lab File: BF088626.D

Acq: 2 Jul 2016 19:35

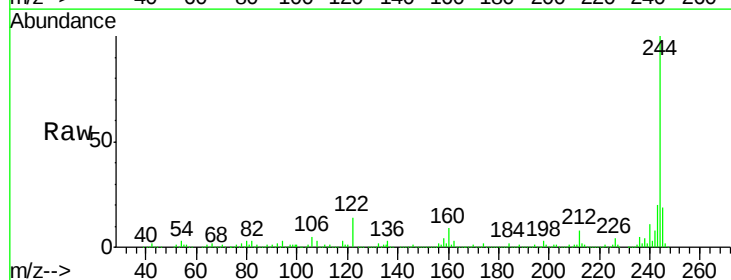
Tgt Ion: 244 Resp: 491626

Ion Ratio Lower Upper

244 100

212 7.7 6.0 9.0

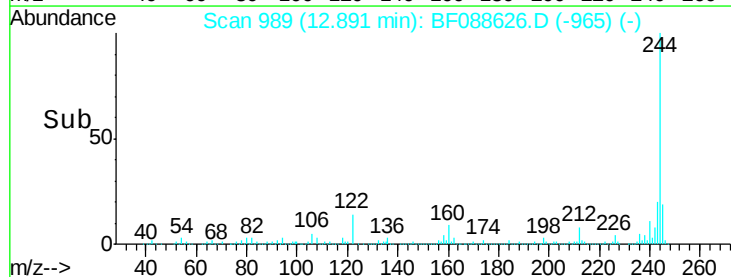
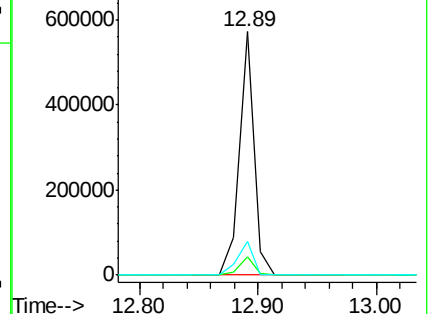
122 13.7 11.2 16.8

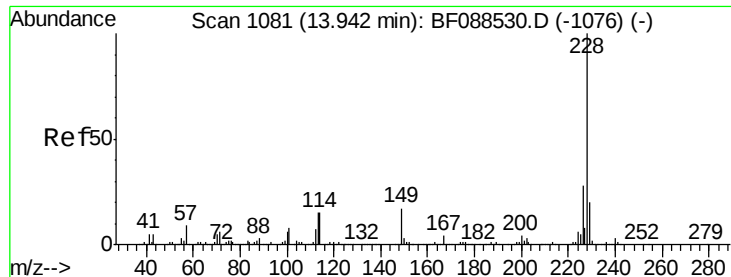


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 5.28 ng

RT: 13.92 min Scan# 1079

Delta R.T. -0.02 min

Lab File: BF088626.D

Acq: 2 Jul 2016 19:35

Instrument :

BNA_F

ClientSampleId :

S4-B2(0-11)C

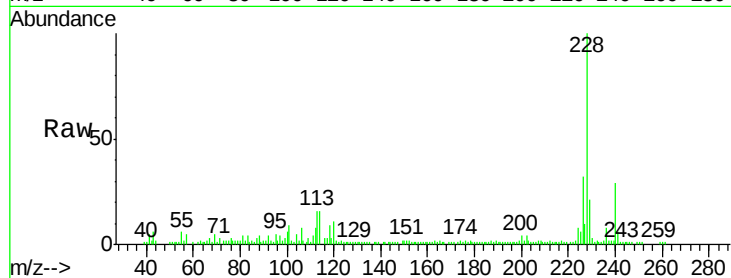
Tgt Ion:228 Resp: 74979

Ion Ratio Lower Upper

228 100

226 31.6 22.3 33.5

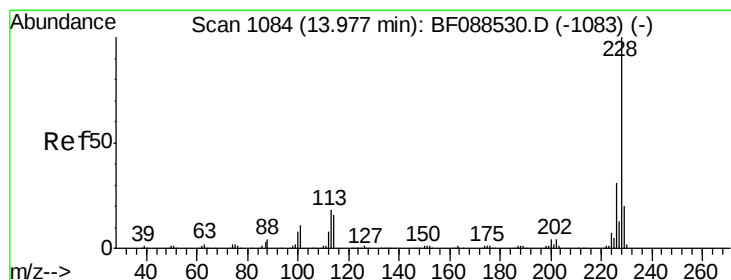
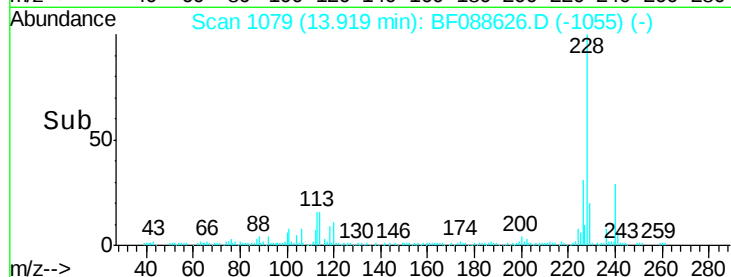
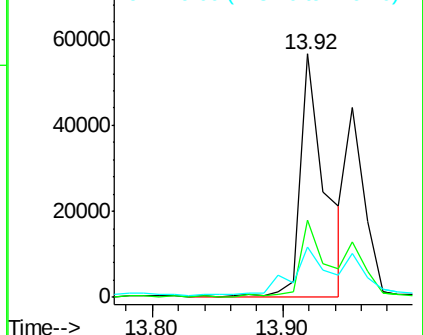
229 20.7 16.0 24.0



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: 5.34 ng

RT: 13.92 min Scan# 1079

Delta R.T. -0.06 min

Lab File: BF088626.D

Acq: 2 Jul 2016 19:35

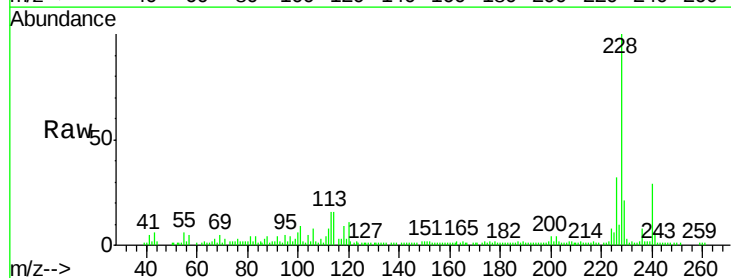
Tgt Ion:228 Resp: 74979

Ion Ratio Lower Upper

228 100

226 31.6 25.4 38.2

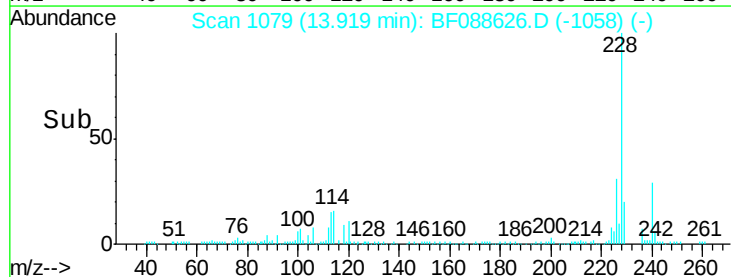
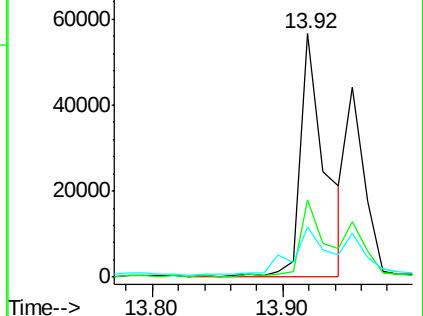
229 20.7 16.3 24.5

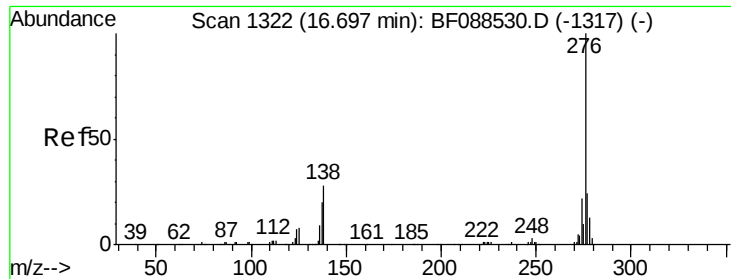


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

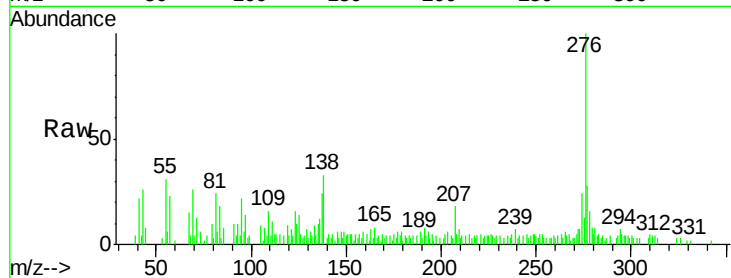




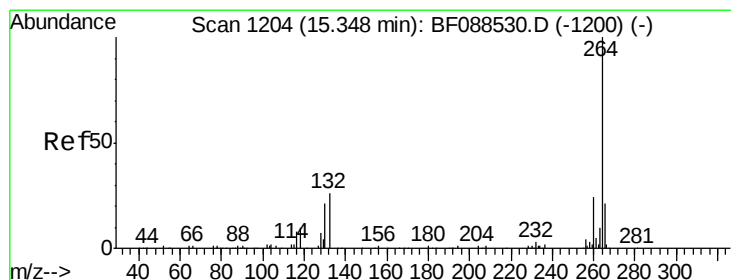
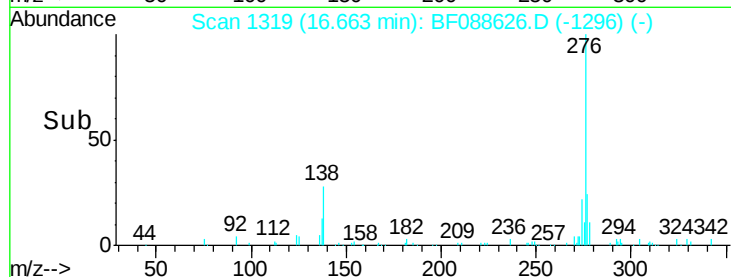
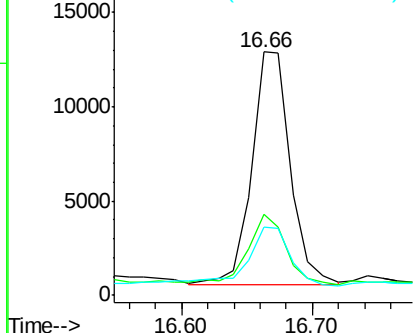
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.35 ng
 RT: 16.66 min Scan# 1319
 Delta R.T. -0.03 min
 Lab File: BF088626.D
 Acq: 2 Jul 2016 19:35

Instrument :
 BNA_F
 ClientSampleId :
 S4-B2(0-11)C

Tgt Ion:276 Resp: 25420
 Ion Ratio Lower Upper
 276 100
 138 30.0 0.0 0.0#
 277 31.0 0.0 0.0#

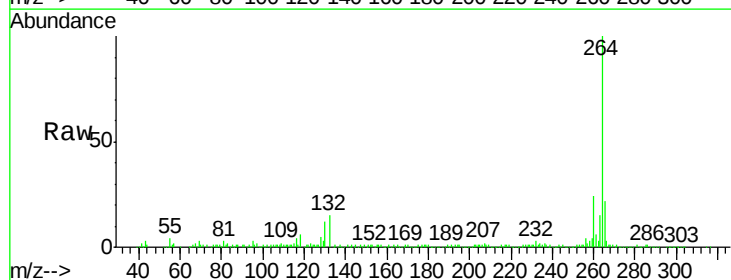


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

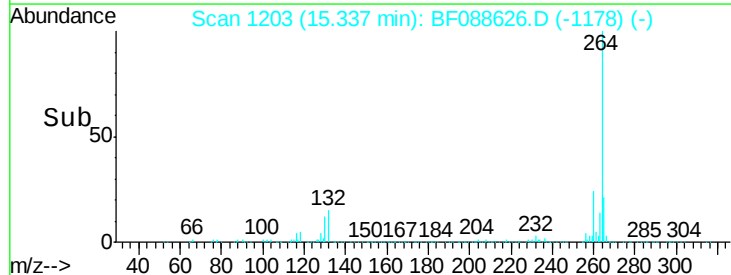
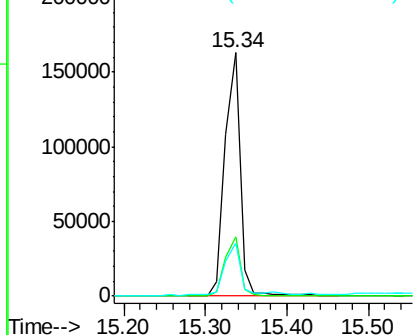


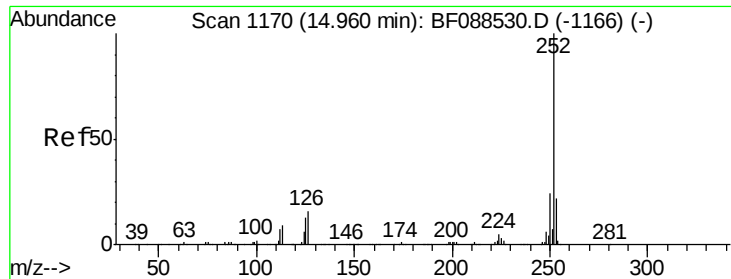
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.34 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF088626.D
 Acq: 2 Jul 2016 19:35

Tgt Ion:264 Resp: 212078
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.2 28.8
 265 21.8 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

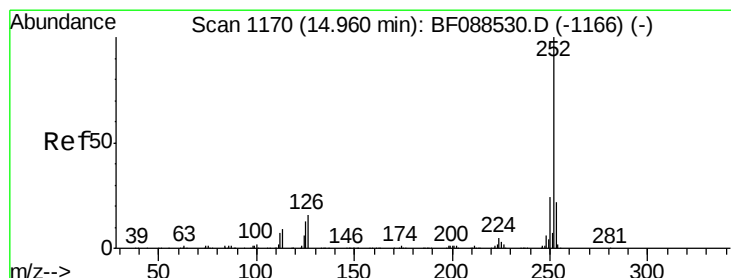
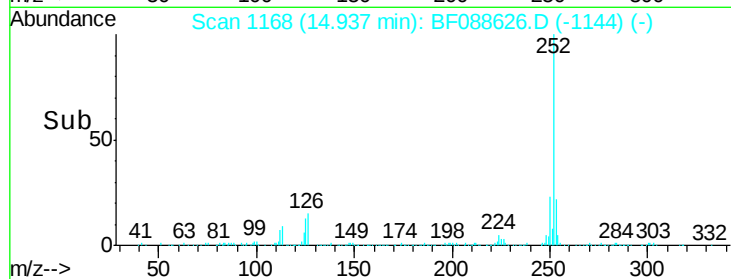
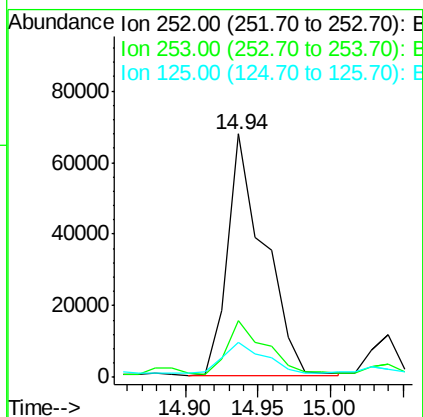
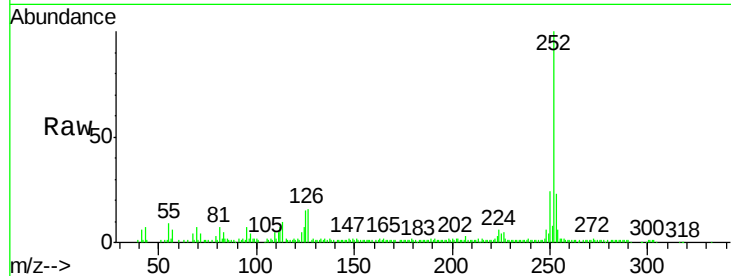




#87
Benzo(b)fluoranthene
Concen: 8.84 ng
RT: 14.94 min Scan# 1168
Delta R.T. -0.02 min
Lab File: BF088626.D
Acq: 2 Jul 2016 19:35

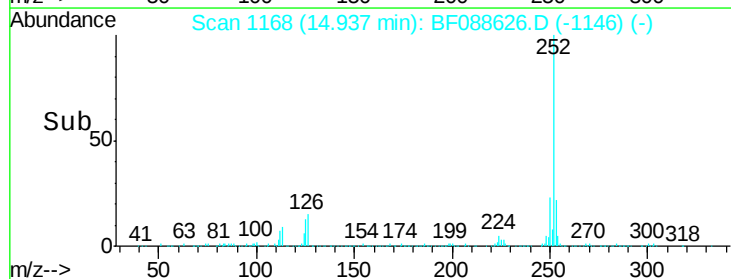
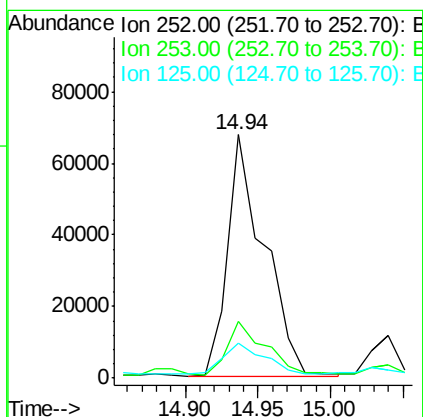
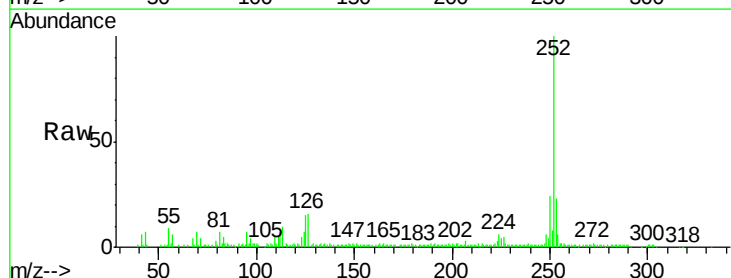
Instrument :
BNA_F
ClientSampleId :
S4-B2(0-11)C

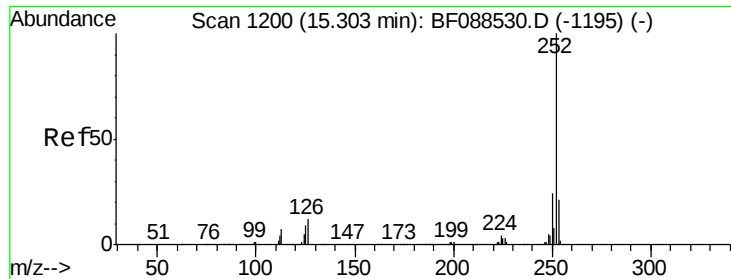
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.2
125	14.6	7.1	10.7#



#88
Benzo(k)fluoranthene
Concen: 10.16 ng
RT: 14.94 min Scan# 1168
Delta R.T. -0.05 min
Lab File: BF088626.D
Acq: 2 Jul 2016 19:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	14.6	11.2	16.8





#89

Benzo(a)pyrene

Concen: 4.43 ng

RT: 15.27 min Scan# 1197

Delta R.T. -0.03 min

Lab File: BF088626.D

Acq: 2 Jul 2016 19:35

Instrument :

BNA_F

ClientSampleId :

S4-B2(0-11)C

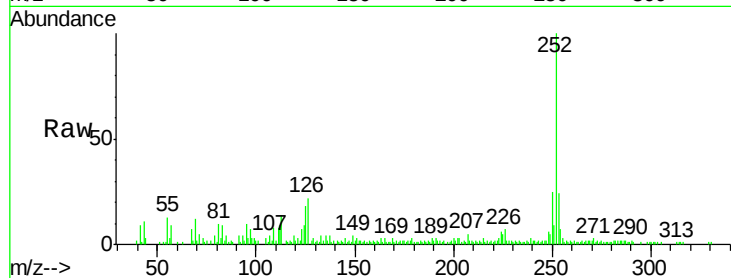
Tgt Ion:252 Resp: 49870

Ion Ratio Lower Upper

252 100

253 23.9 17.9 26.9

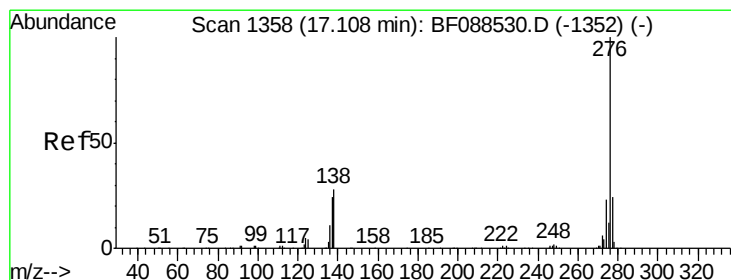
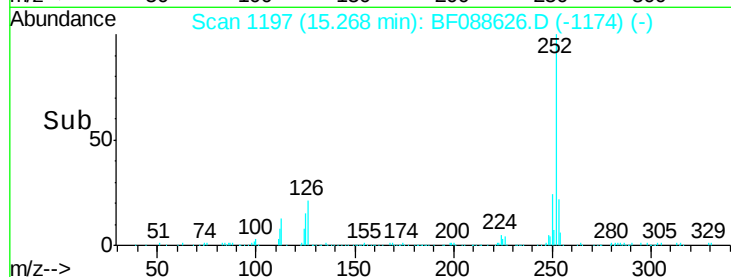
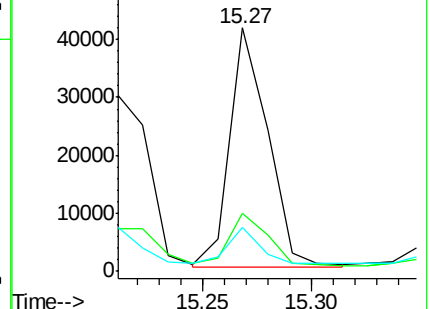
125 17.9 12.5 18.7



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: 3.30 ng

RT: 17.07 min Scan# 1355

Delta R.T. -0.03 min

Lab File: BF088626.D

Acq: 2 Jul 2016 19:35

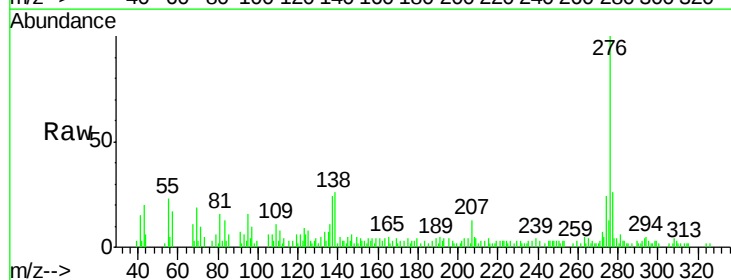
Tgt Ion:276 Resp: 32099

Ion Ratio Lower Upper

276 100

277 26.5 18.9 28.3

138 25.8 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

