

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120315\
 Data File : BF083462.D
 Acq On : 3 Dec 2015 16:09
 Operator : UM/IZ
 Sample : G4585-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-14(0-8)

Quant Time: Dec 03 17:17:25 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 03 17:02:53 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.52	152	184239	20.00	ng	-0.01
21) Naphthalene-d8	7.81	136	706150	20.00	ng	-0.01
38) Acenaphthene-d10	9.56	164	369835	20.00	ng	0.00
63) Phenanthrene-d10	11.09	188	627492	20.00	ng	0.00
75) Chrysene-d12	14.72	240	453514	20.00	ng	0.00
86) Perylene-d12	16.79	264	395587	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.13	112	1594757	129.89	ng	0.01
7) Phenol-d6	6.20	99	2003028	119.19	ng	0.00
23) Nitrobenzene-d5	7.10	82	1403101	87.35	ng	0.00
41) 2,4,6-Tribromophenol	10.35	330	407198	109.68	ng	-0.01
44) 2-Fluorobiphenyl	8.90	172	2003155	77.19	ng	0.00
78) Terphenyl-d14	13.19	244	1795047	94.39	ng	0.00

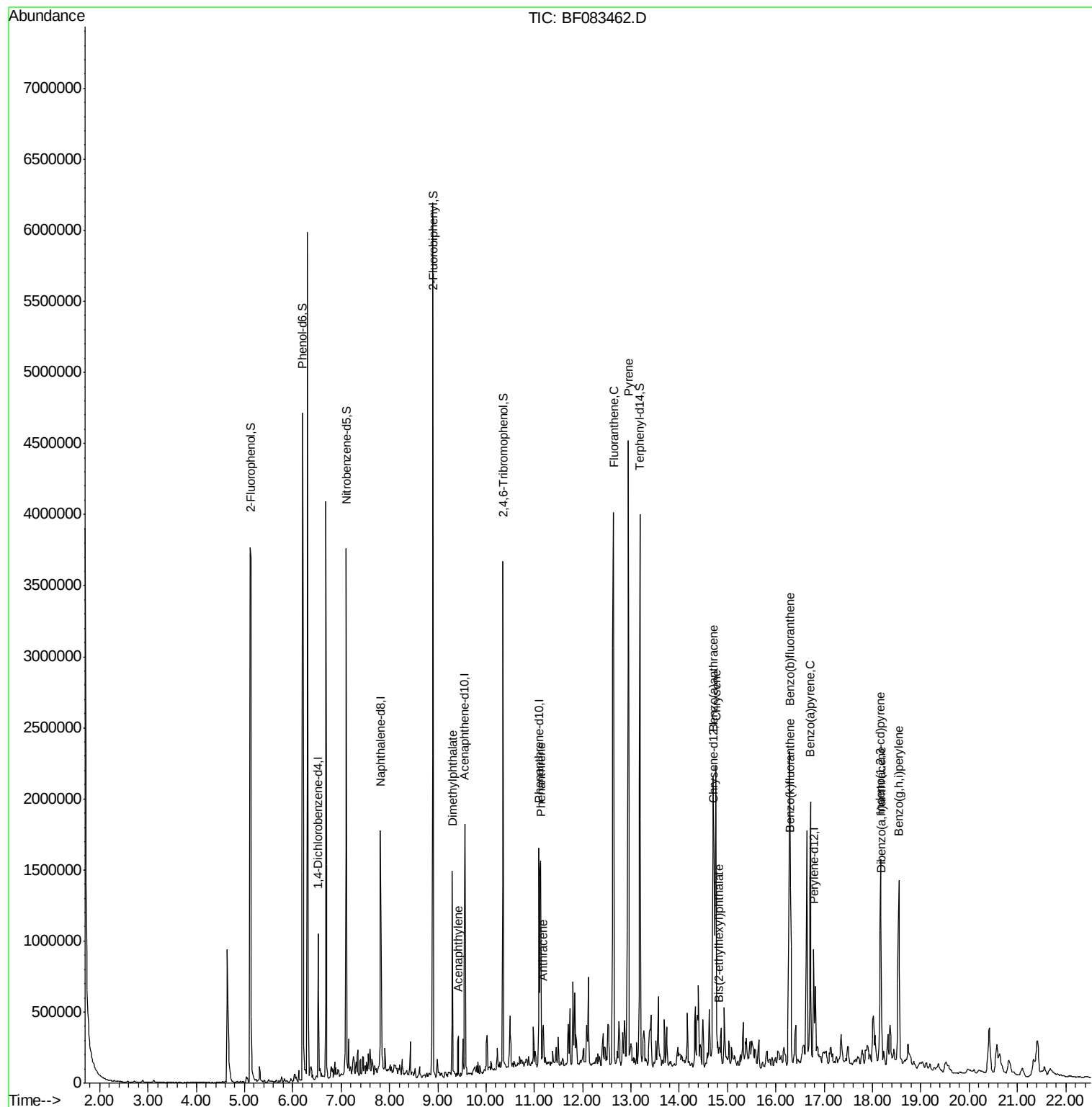
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
48) Acenaphthylene	9.42	152	174534	4.43	ng	97
49) Dimethylphthalate	9.30	163	538840	17.93	ng	99
70) Phenanthrene	11.13	178	841805	22.67	ng	99
71) Anthracene	11.18	178	153900	4.12	ng	96
74) Fluoranthene	12.64	202	2365705	61.46	ng	97
77) Pyrene	12.95	202	2781752	87.83	ng	96
80) Benzo(a)anthracene	14.71	228	1237460	44.54	ng	97
82) Chrysene	14.76	228	1271217	47.35	ng	98
83) Bis(2-ethylhexyl)phthalate	14.83	149	39526	2.19	ng	98
85) Indeno(1,2,3-cd)pyrene	18.17	276	1018638	52.10	ng	94
87) Benzo(b)fluoranthene	16.28	252	1579277m	62.22	ng	
88) Benzo(k)fluoranthene	16.29	252	606781m	25.32	ng	
89) Benzo(a)pyrene	16.72	252	923420	42.36	ng	97
90) Dibenzo(a,h)anthracene	18.18	278	255820	13.47	ng	97
91) Benzo(a,h,i)perylene	18.55	276	1045910	56.10	ng	96

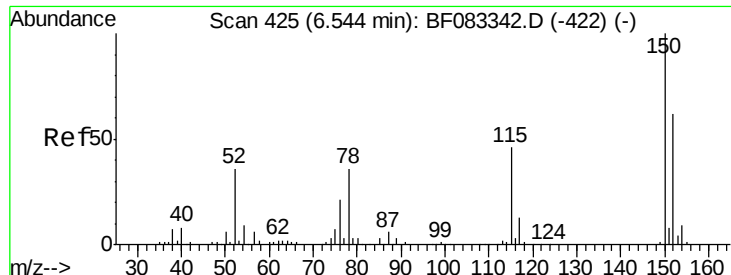
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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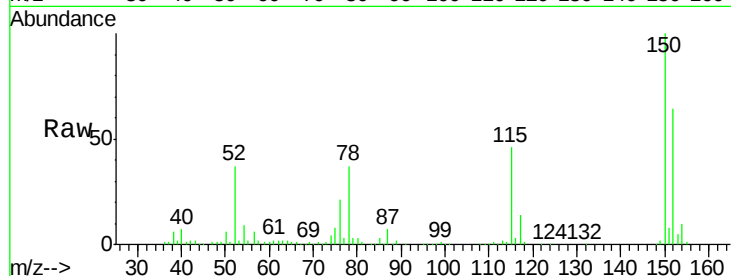


#1

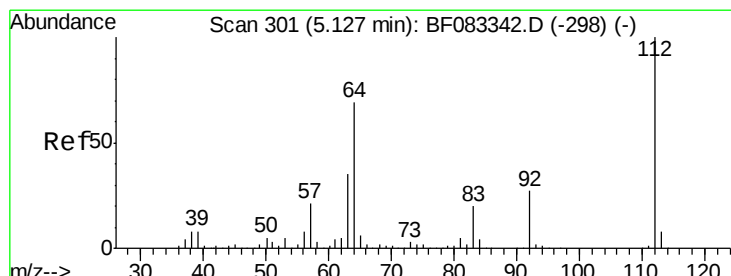
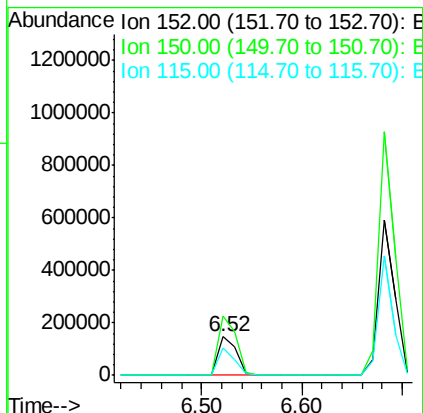
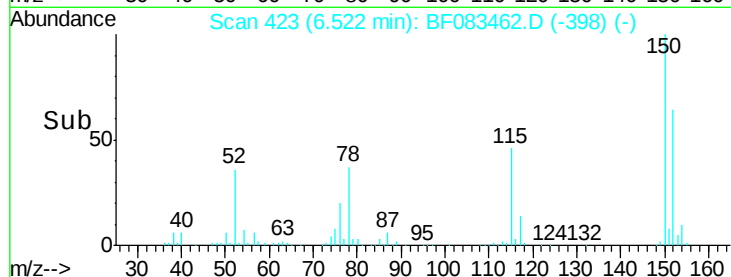
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.52 min Scan# 423
Delta R.T. -0.01 min
Lab File: BF083462.D
Acq: 3 Dec 2015 16:09

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-14(0-8)

Tot Ion:152 Resp: 184239
Ion Ratio Lower Upper
152 100
150 156.5 129.8 194.8
115 72.6 59.2 88.8



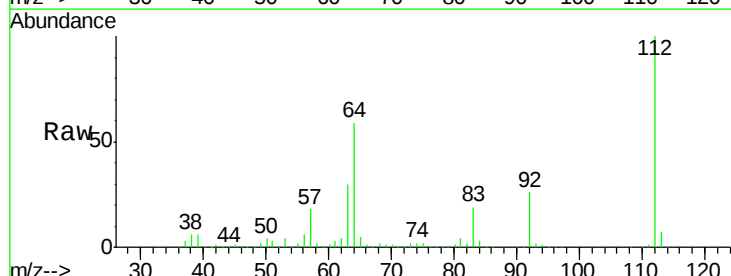
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



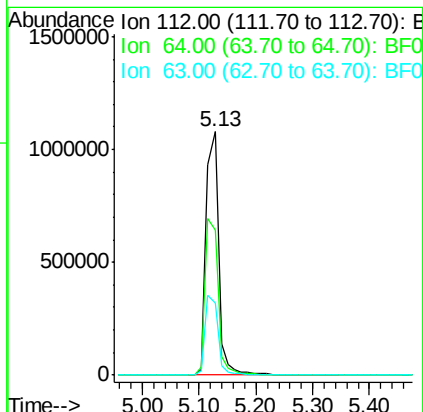
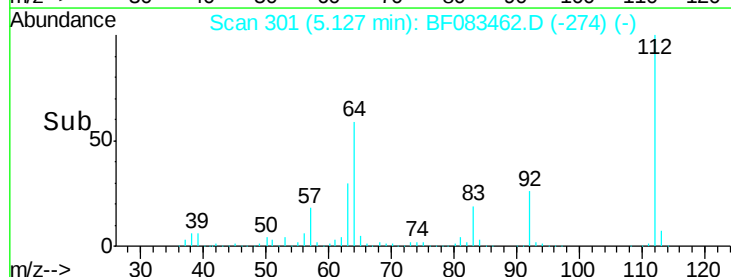
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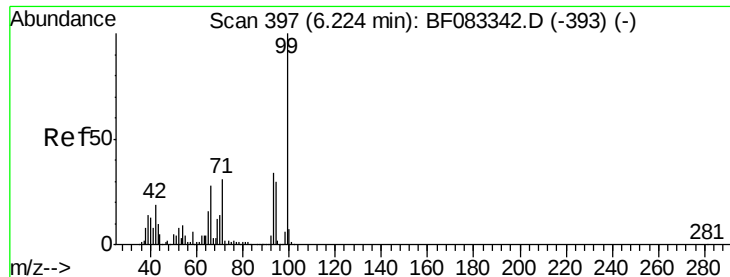
2-Fluorophenol
Concen: 129.89 ng
RT: 5.13 min Scan# 301
Delta R.T. 0.01 min
Lab File: BF083462.D
Acq: 3 Dec 2015 16:09

Tgt Ion:112 Resp: 1594757
Ion Ratio Lower Upper
112 100
64 59.5 55.6 83.4
63 29.6 28.2 42.2



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: 119.19 ng

RT: 6.20 min Scan# 395

Delta R.T. -0.00 min

Lab File: BF083462.D

Acq: 3 Dec 2015 16:09

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-14(0-8)

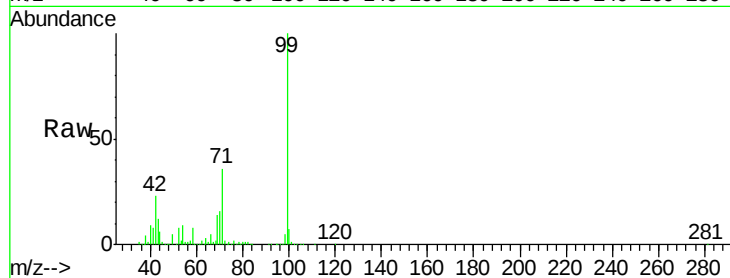
Tot Ion: 99 Resp: 2003028

Ion Ratio Lower Upper

99 100

42 23.0 14.9 22.3#

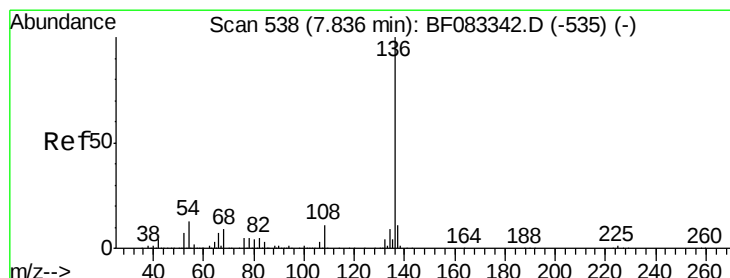
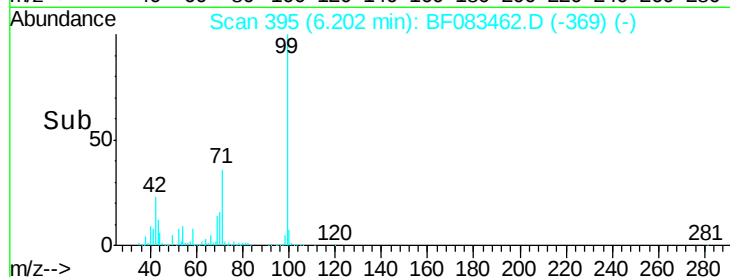
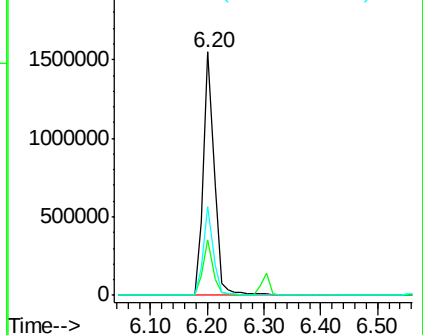
71 36.3 24.7 37.1



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.81 min Scan# 536

Delta R.T. -0.01 min

Lab File: BF083462.D

Acq: 3 Dec 2015 16:09

Tgt Ion: 136 Resp: 706150

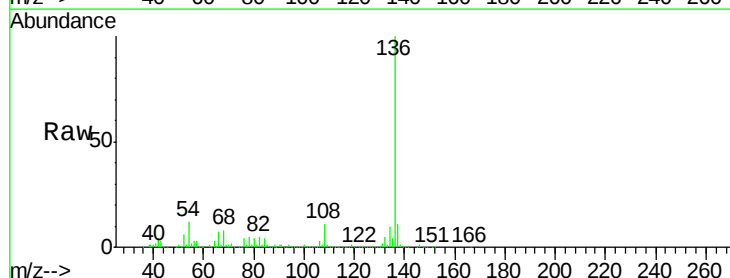
Ion Ratio Lower Upper

136 100

137 11.4 9.0 13.4

54 12.2 10.1 15.1

68 8.2 7.1 10.7

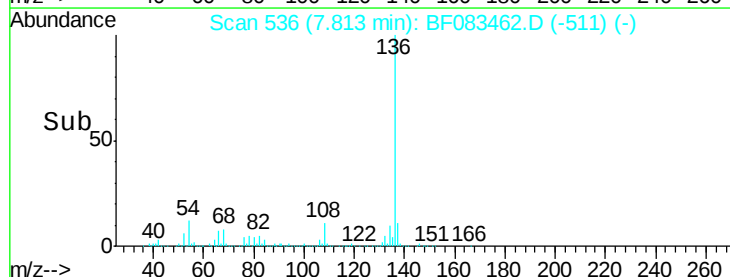
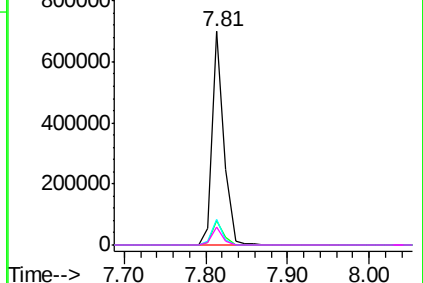


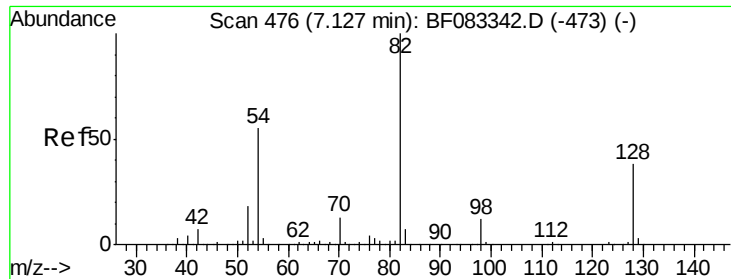
Abundance Ion 136.00 (135.70 to 136.70): E

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

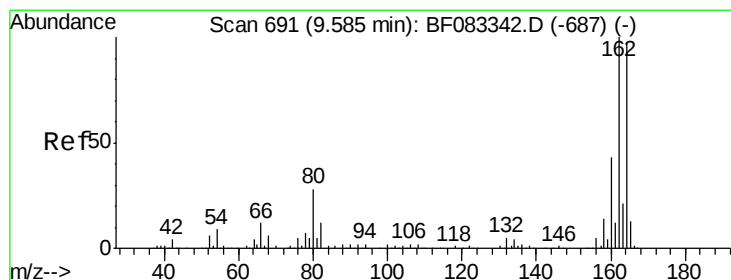
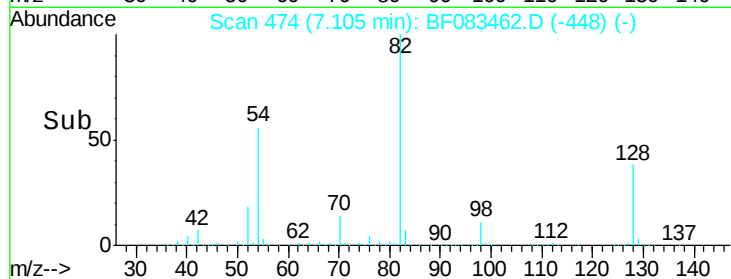
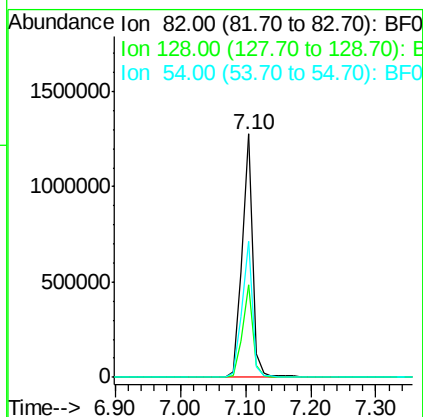
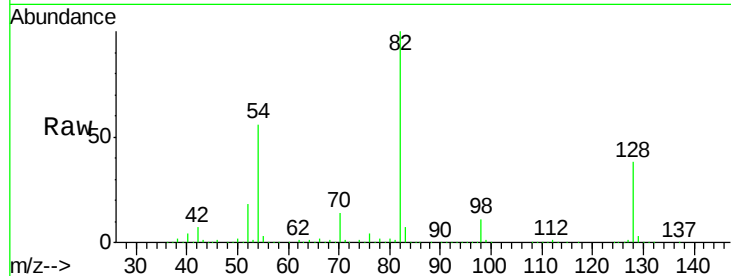




#23
Nitrobenzene-d5
Concen: 87.35 ng
RT: 7.10 min Scan# 474
Delta R.T. -0.00 min
Lab File: BF083462.D
Acq: 3 Dec 2015 16:09

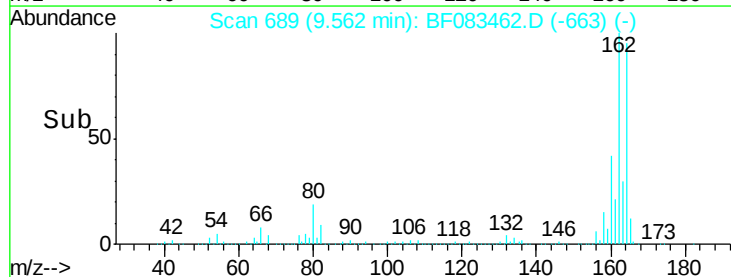
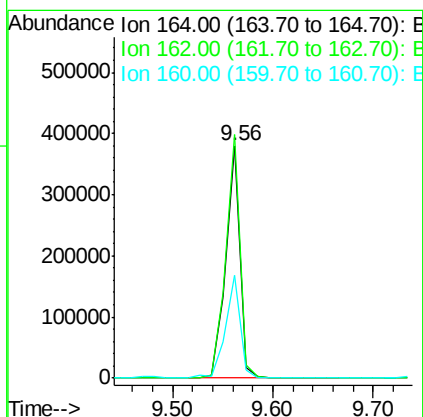
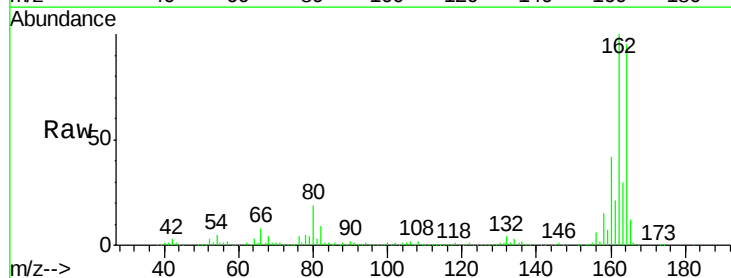
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-14(0-8)

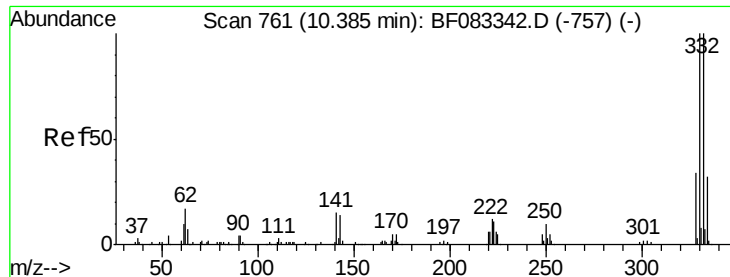
Tot Ion: 82 Resp: 1403101
Ion Ratio Lower Upper
82 100
128 37.9 30.6 46.0
54 56.0 43.8 65.6



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.56 min Scan# 689
Delta R.T. -0.00 min
Lab File: BF083462.D
Acq: 3 Dec 2015 16:09

Tgt Ion:164 Resp: 369835
Ion Ratio Lower Upper
164 100
162 104.8 82.6 123.8
160 44.1 35.3 52.9

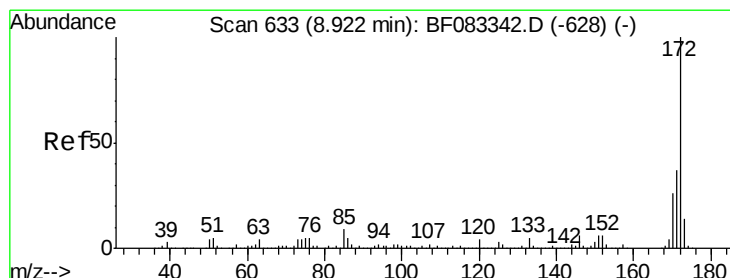
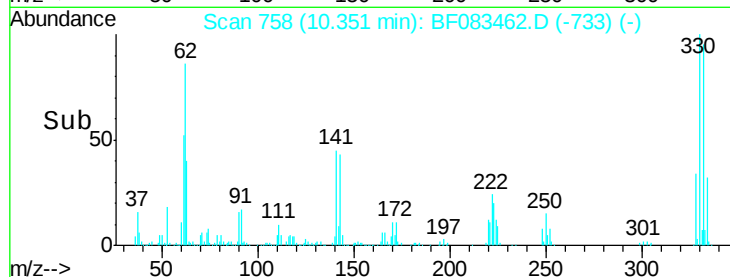
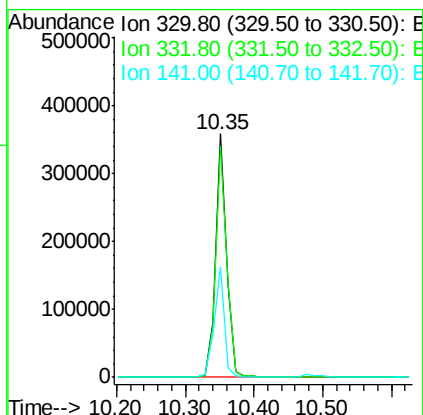
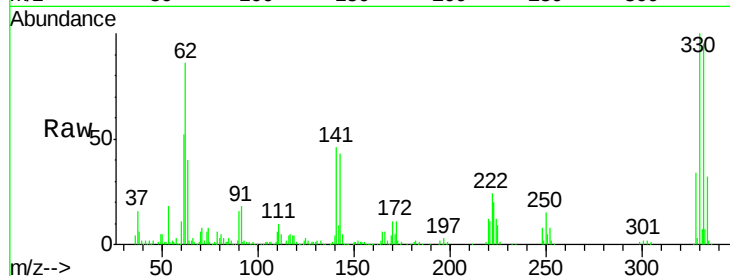




#41
 2,4,6-Tribromophenol
 Concen: 109.68 ng
 RT: 10.35 min Scan# 758
 Delta R.T. -0.01 min
 Lab File: BF083462.D
 Acq: 3 Dec 2015 16:09

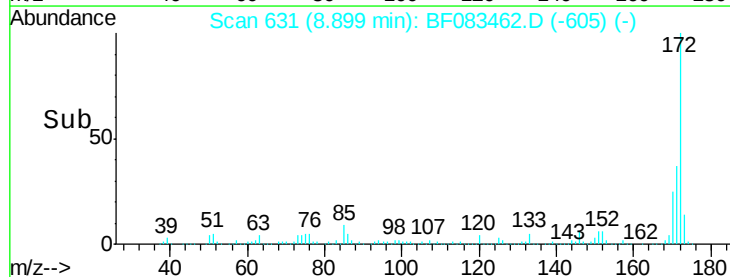
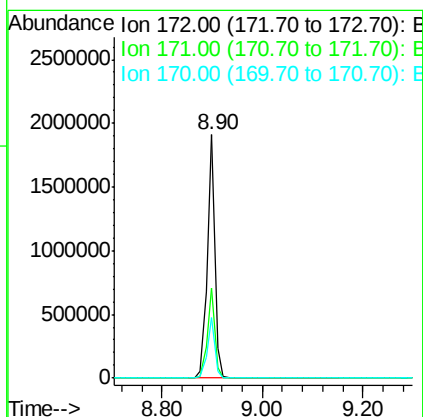
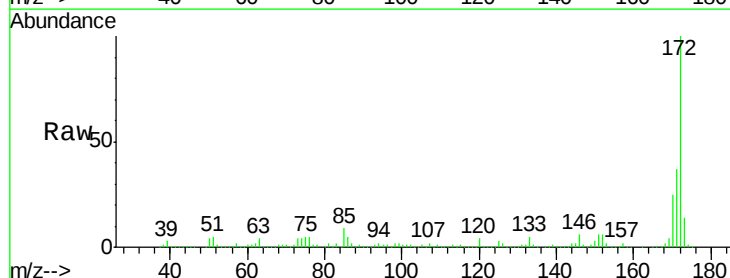
Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-14(0-8)

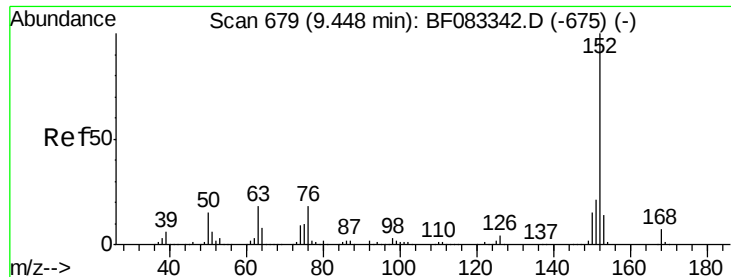
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.8	116.6
141	41.6	29.4	44.0



#44
 2-Fluorobiphenyl
 Concen: 77.19 ng
 RT: 8.90 min Scan# 631
 Delta R.T. -0.00 min
 Lab File: BF083462.D
 Acq: 3 Dec 2015 16:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.4	44.0
170	25.1	20.4	30.6





#48

Acenaphthylene

Concen: 4.43 ng

RT: 9.42 min Scan# 677

Delta R.T. -0.00 min

Lab File: BF083462.D

Acq: 3 Dec 2015 16:09

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-14(0-8)

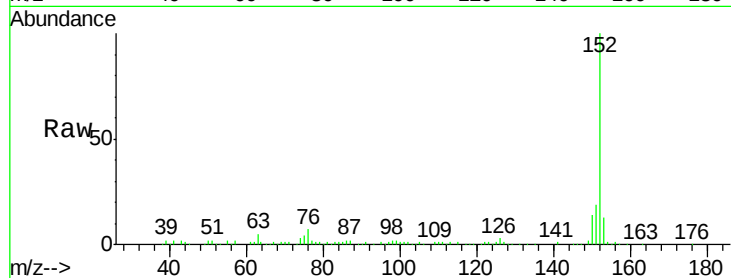
Tot Ion:152 Resp: 174534

Ion Ratio Lower Upper

152 100

151 19.3 16.7 25.1

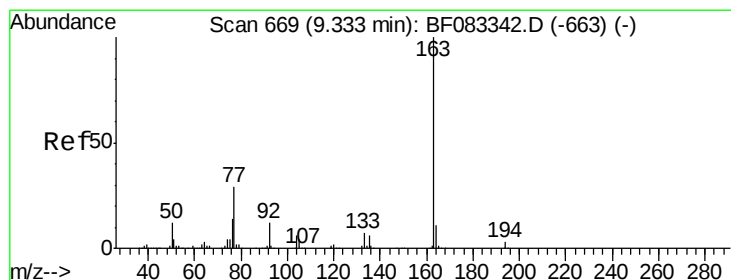
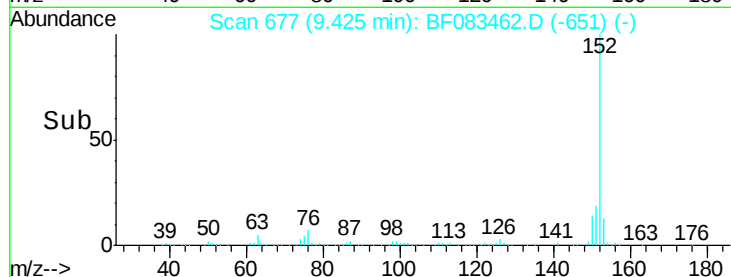
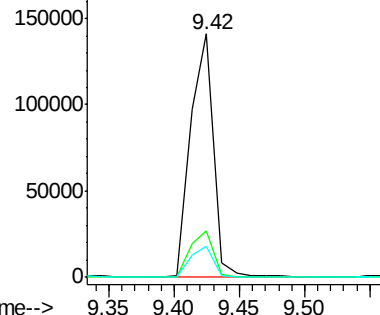
153 12.7 11.2 16.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 17.93 ng

RT: 9.30 min Scan# 666

Delta R.T. -0.01 min

Lab File: BF083462.D

Acq: 3 Dec 2015 16:09

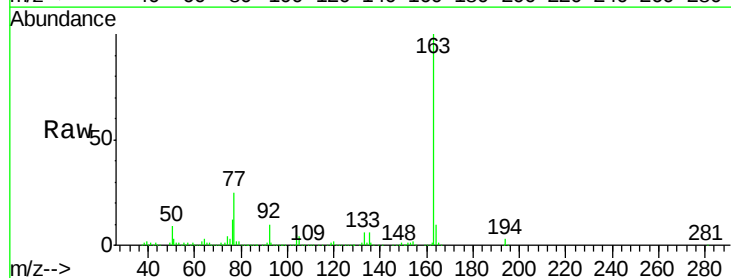
Tgt Ion:163 Resp: 538840

Ion Ratio Lower Upper

163 100

194 3.4 2.7 4.1

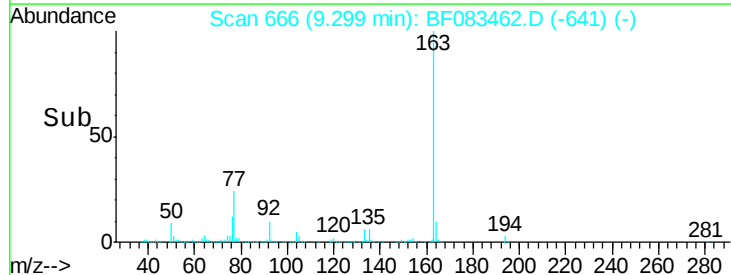
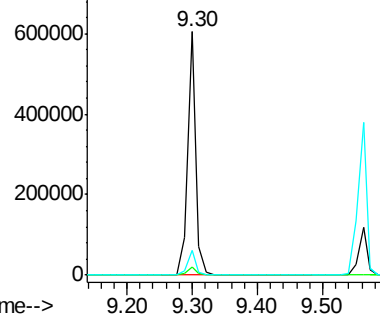
164 10.3 8.8 13.2

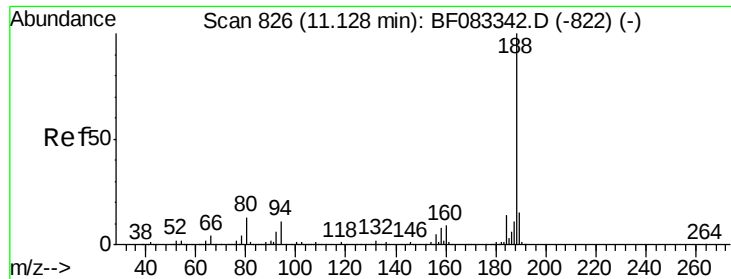


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

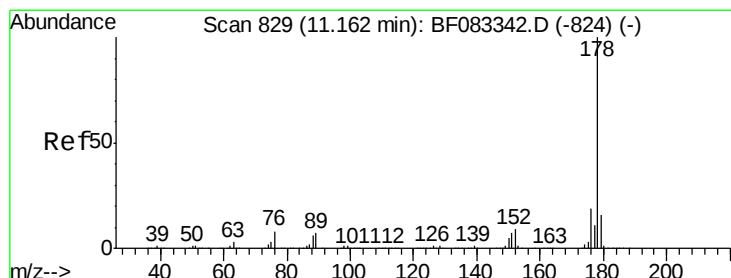
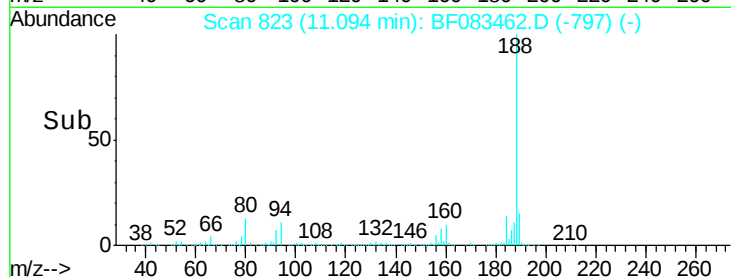
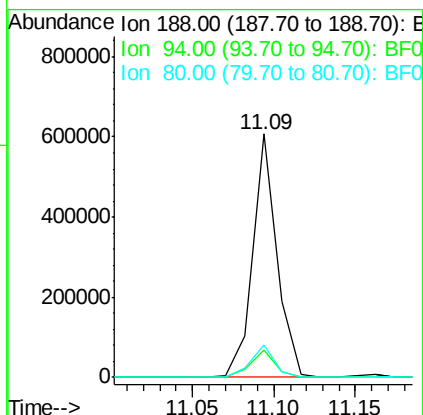
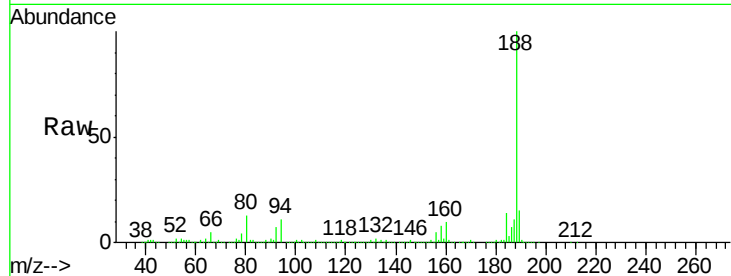




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.09 min Scan# 823
Delta R.T. -0.00 min
Lab File: BF083462.D
Acq: 3 Dec 2015 16:09

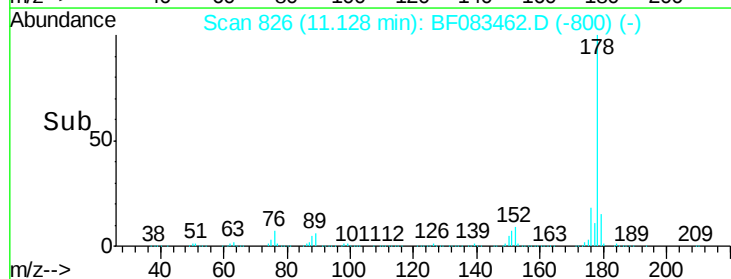
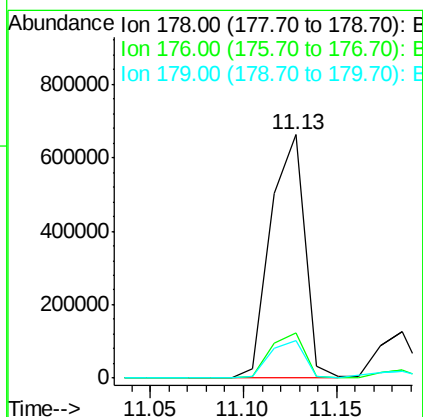
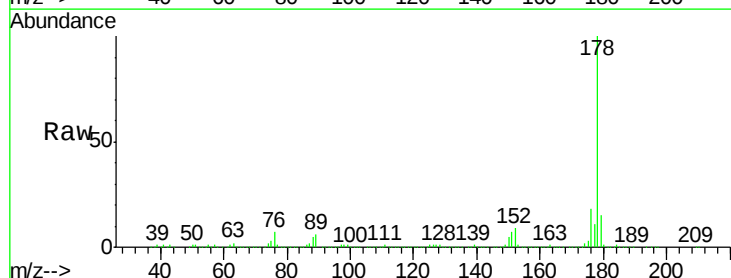
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-14(0-8)

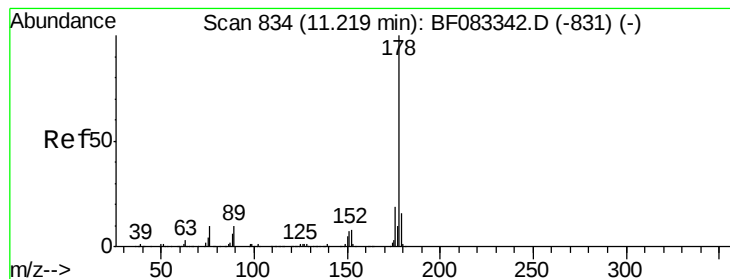
Tot Ion:188 Resp: 627492
Ion Ratio Lower Upper
188 100
94 11.4 8.7 13.1
80 13.4 10.3 15.5



#70
Phenanthrene
Concen: 22.67 ng
RT: 11.13 min Scan# 826
Delta R.T. -0.00 min
Lab File: BF083462.D
Acq: 3 Dec 2015 16:09

Tgt Ion:178 Resp: 841805
Ion Ratio Lower Upper
178 100
176 18.5 15.3 22.9
179 15.3 12.4 18.6





#71

Anthracene

Concen: 4.12 ng

RT: 11.18 min Scan# 831

Delta R.T. -0.00 min

Lab File: BF083462.D

Acq: 3 Dec 2015 16:09

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-14(0-8)

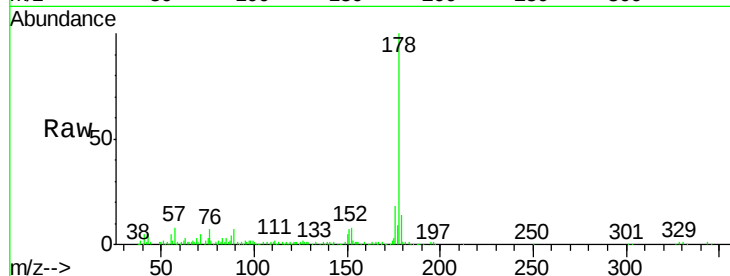
Tot Ion:178 Resp: 153900

Ion Ratio Lower Upper

178 100

176 18.0 15.6 23.4

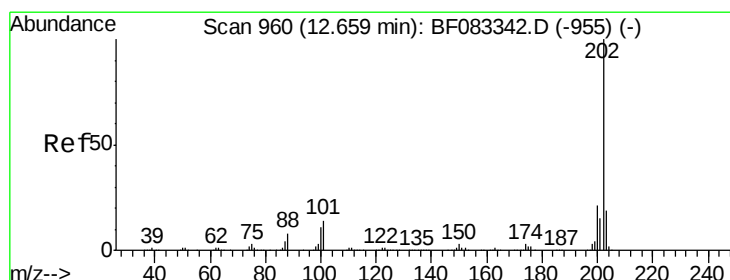
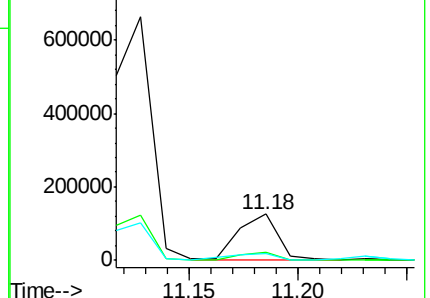
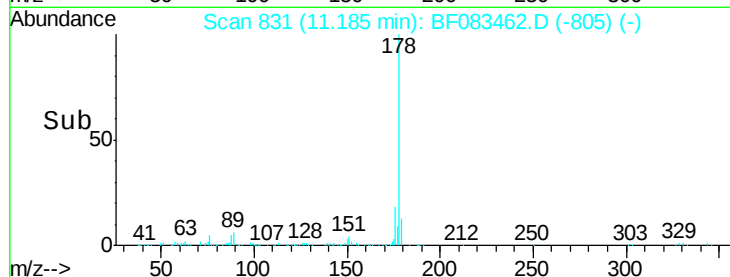
179 14.1 12.8 19.2



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: 61.46 ng

RT: 12.64 min Scan# 958

Delta R.T. 0.01 min

Lab File: BF083462.D

Acq: 3 Dec 2015 16:09

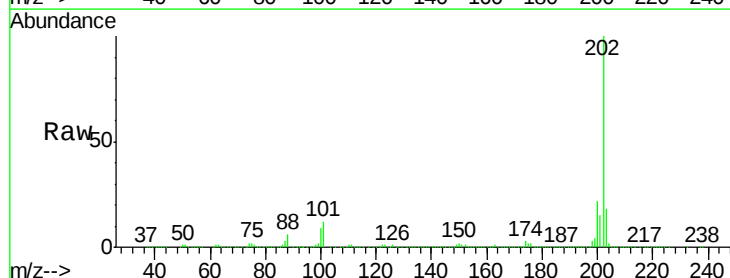
Tgt Ion:202 Resp: 2365705

Ion Ratio Lower Upper

202 100

101 11.6 0.0 34.5

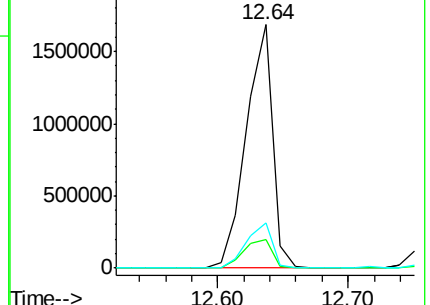
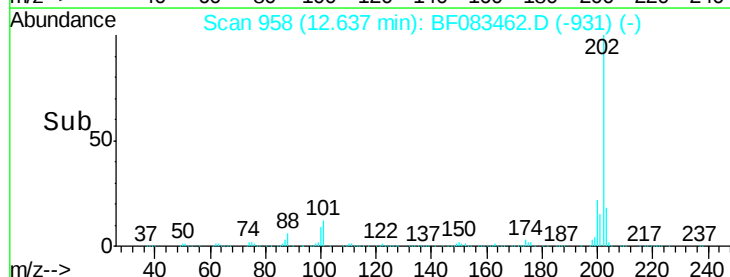
203 18.3 0.0 38.7

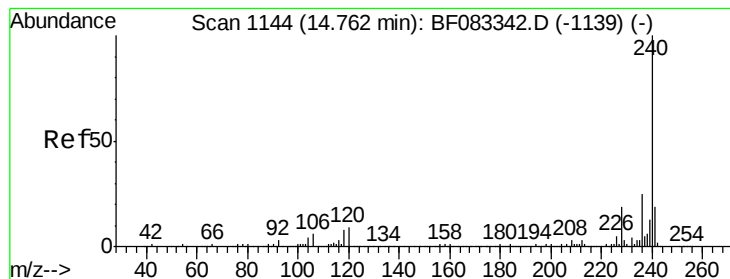


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.72 min Scan# 1140

Delta R.T. -0.00 min

Lab File: BF083462.D

Acq: 3 Dec 2015 16:09

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-14(0-8)

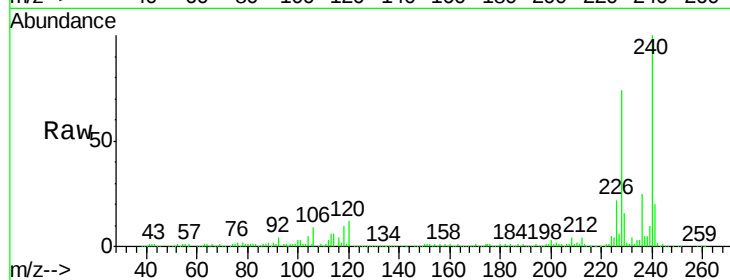
Tot Ion:240 Resp: 453514

Ion Ratio Lower Upper

240 100

120 11.6 6.9 10.3#

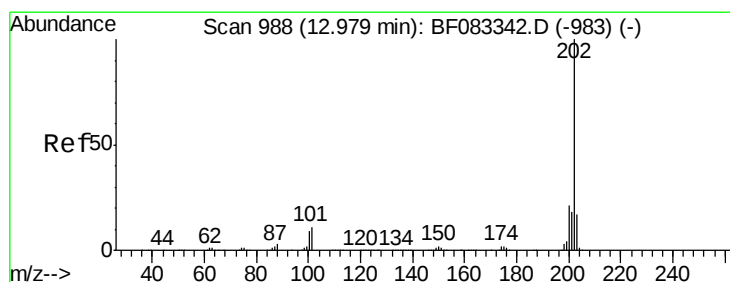
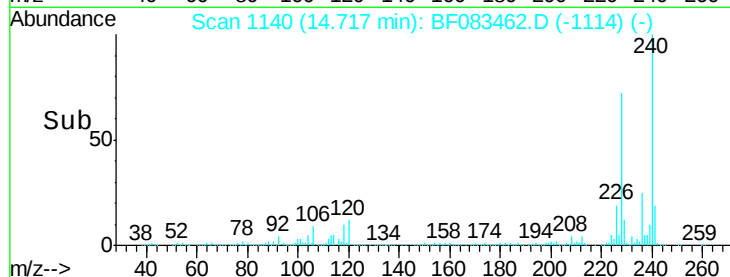
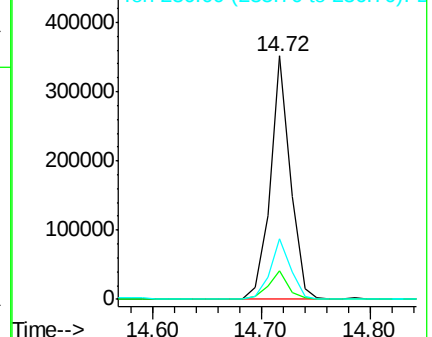
236 24.7 19.8 29.6



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: 87.83 ng

RT: 12.95 min Scan# 985

Delta R.T. 0.01 min

Lab File: BF083462.D

Acq: 3 Dec 2015 16:09

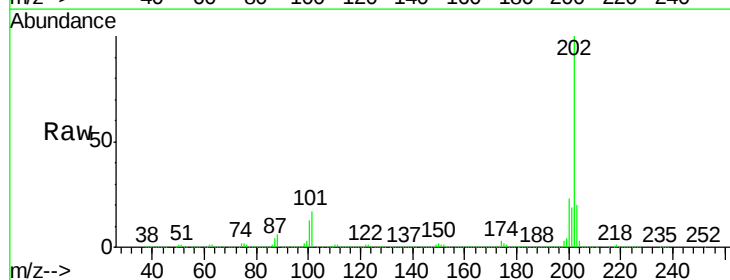
Tgt Ion:202 Resp: 2781752

Ion Ratio Lower Upper

202 100

200 22.5 16.9 25.3

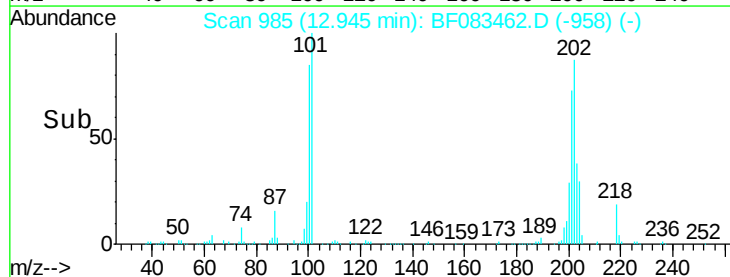
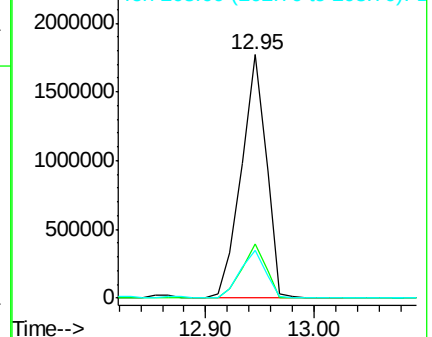
203 19.6 13.9 20.9

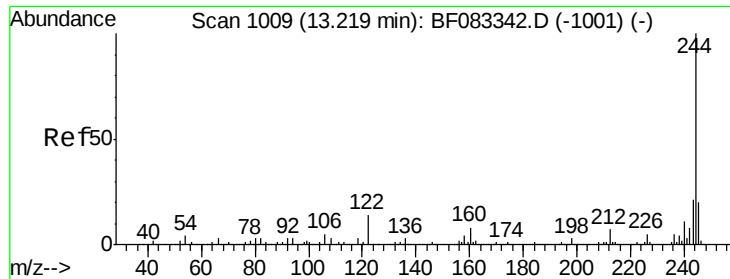


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

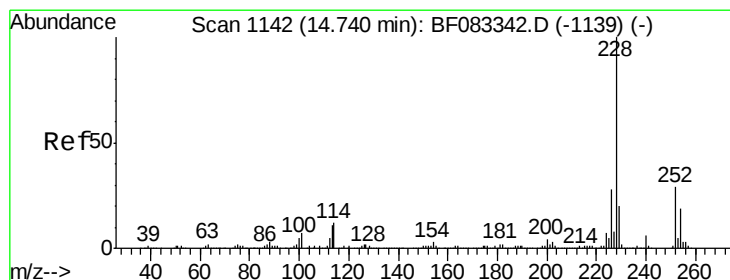
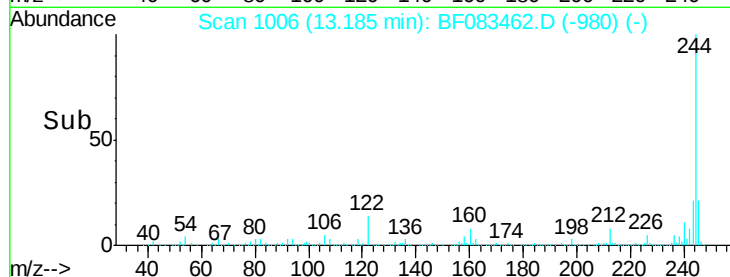
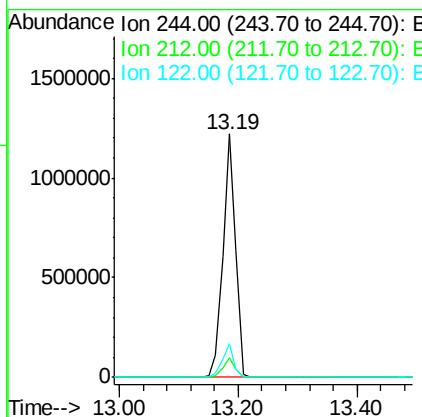
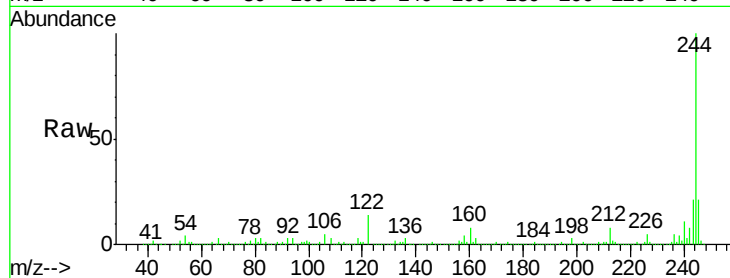




#78
 Terphenyl-d14
 Concen: 94.39 ng
 RT: 13.19 min Scan# 1006
 Delta R.T. -0.00 min
 Lab File: BF083462.D
 Acq: 3 Dec 2015 16:09

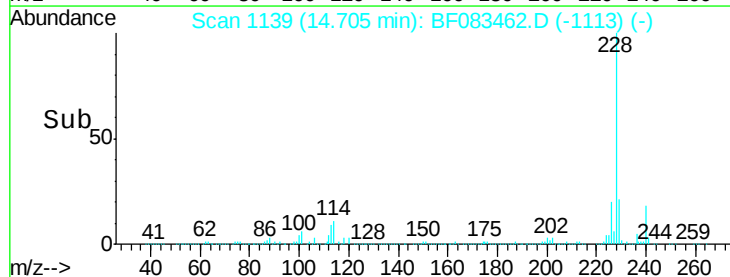
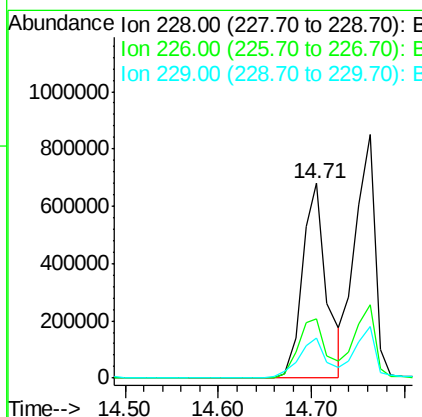
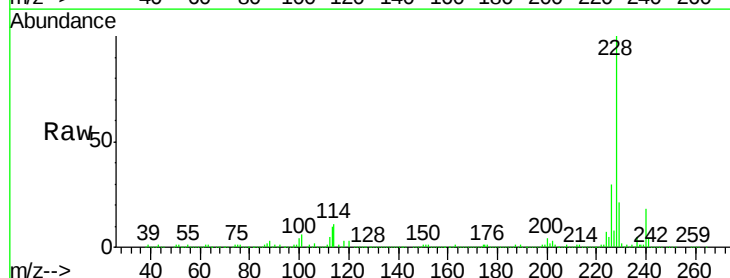
Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-14(0-8)

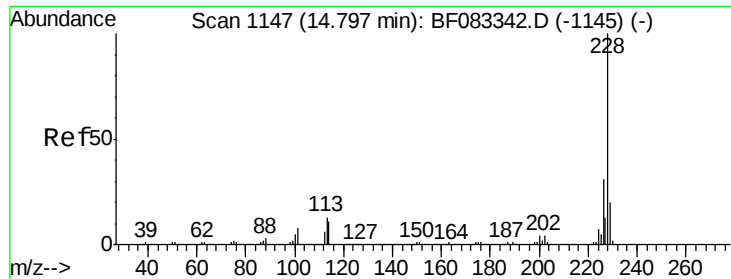
Tot Ion:244 Resp: 1795047
 Ion Ratio Lower Upper
 244 100
 212 8.0 5.8 8.8
 122 13.7 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 44.54 ng
 RT: 14.71 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: BF083462.D
 Acq: 3 Dec 2015 16:09

Tgt Ion:228 Resp: 1237460
 Ion Ratio Lower Upper
 228 100
 226 30.3 22.2 33.4
 229 20.7 16.1 24.1

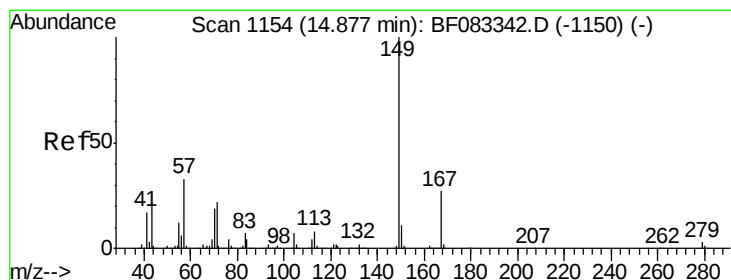
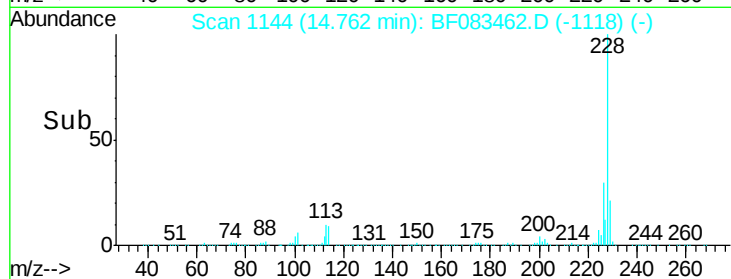
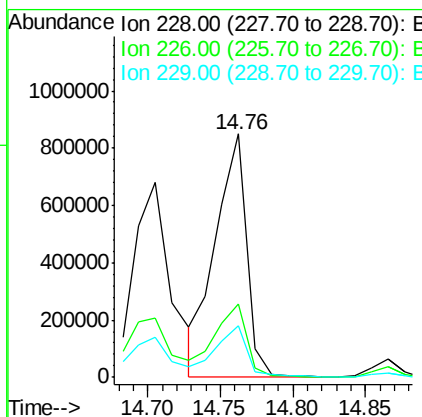
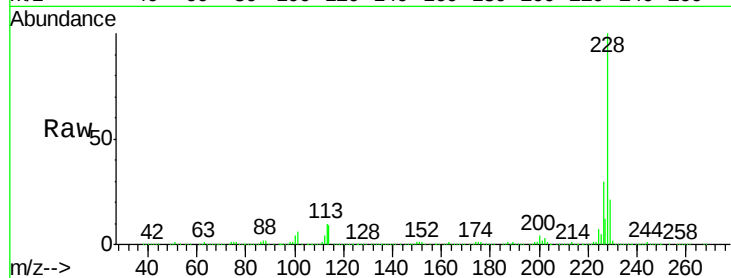




#82
 Chrysene
 Concen: 47.35 ng
 RT: 14.76 min Scan# 1144
 Delta R.T. -0.00 min
 Lab File: BF083462.D
 Acq: 3 Dec 2015 16:09

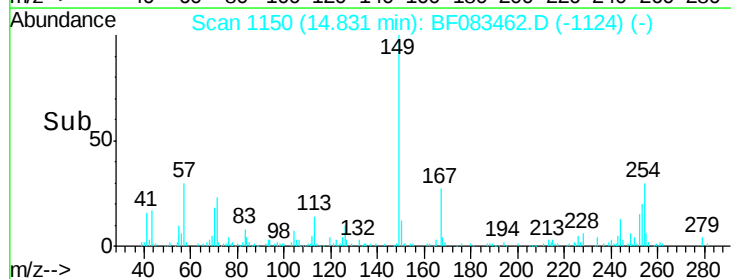
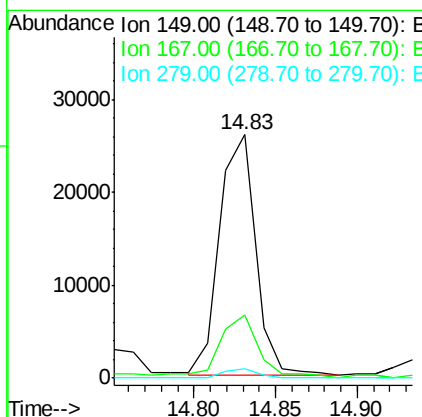
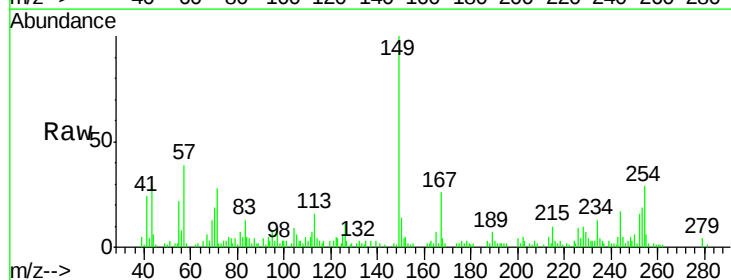
Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-14(0-8)

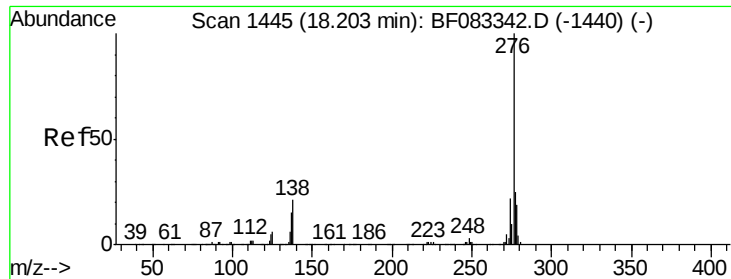
Tot Ion:228 Resp: 1271217
 Ion Ratio Lower Upper
 228 100
 226 29.9 24.6 37.0
 229 21.0 16.2 24.2



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.19 ng
 RT: 14.83 min Scan# 1150
 Delta R.T. -0.00 min
 Lab File: BF083462.D
 Acq: 3 Dec 2015 16:09

Tgt Ion:149 Resp: 39526
 Ion Ratio Lower Upper
 149 100
 167 26.1 21.5 32.3
 279 3.7 2.6 3.8

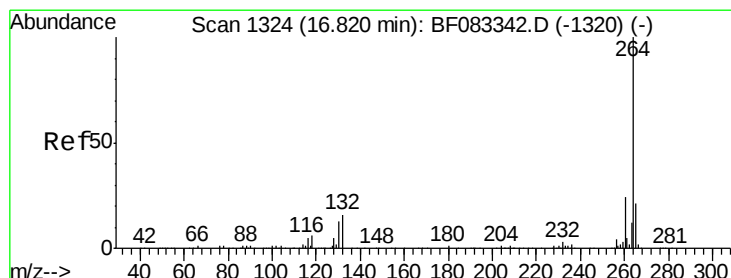
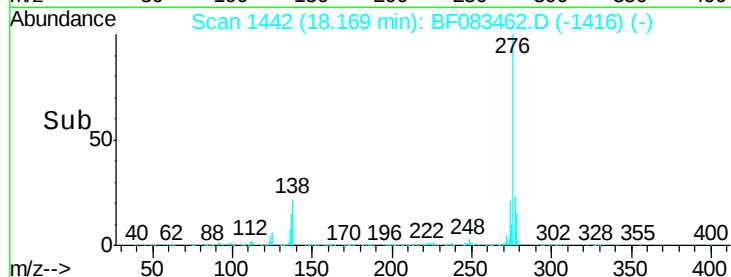
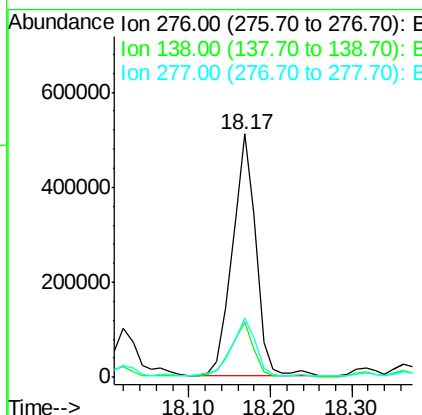
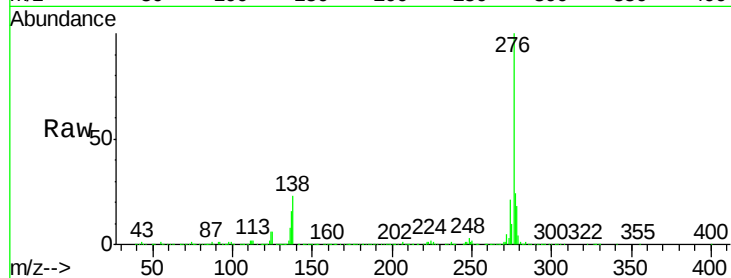




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 52.10 ng
 RT: 18.17 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: BF083462.D
 Acq: 3 Dec 2015 16:09

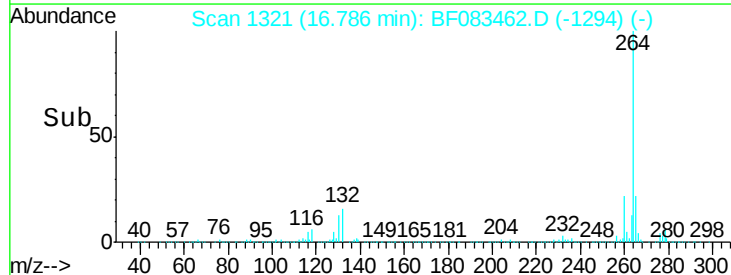
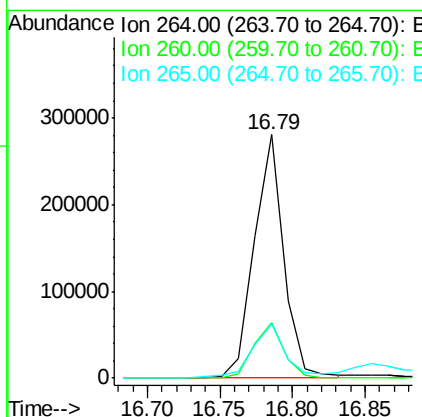
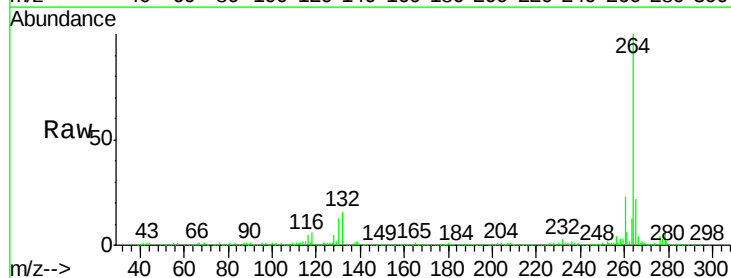
Instrument :
 BNA_F
 ClientSampleId :
 SB-P3WC-14(0-8)

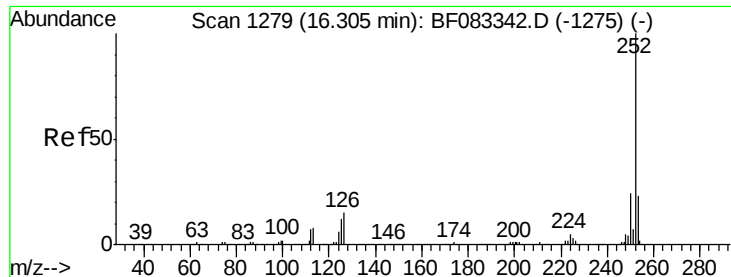
Tot Ion:276 Resp: 1018638
 Ion Ratio Lower Upper
 276 100
 138 22.0 21.2 31.8
 277 24.0 20.0 30.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.79 min Scan# 1321
 Delta R.T. 0.01 min
 Lab File: BF083462.D
 Acq: 3 Dec 2015 16:09

Tgt Ion:264 Resp: 395587
 Ion Ratio Lower Upper
 264 100
 260 22.6 19.0 28.4
 265 22.4 16.8 25.2

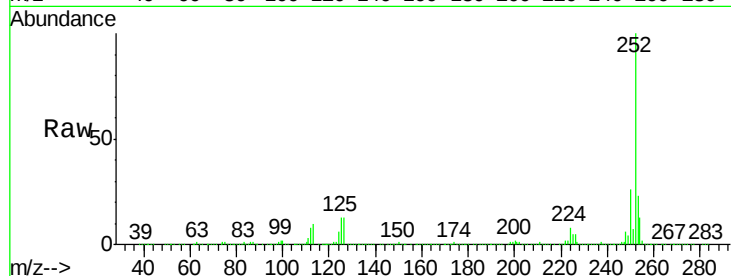




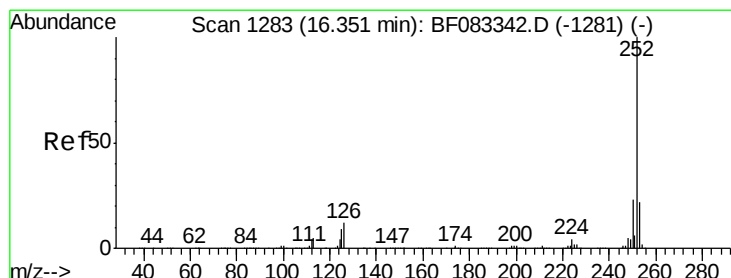
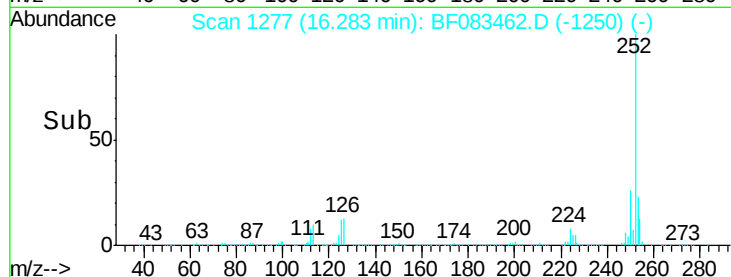
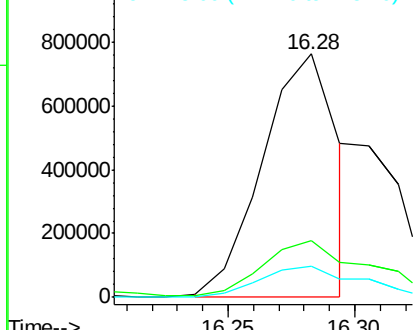
#87
Benzo(b)fluoranthene
Concen: 62.22 ng m
RT: 16.28 min Scan# 1277
Delta R.T. 0.01 min
Lab File: BF083462.D
Acq: 3 Dec 2015 16:09

Instrument :
BNA_F
ClientSampleId :
SB-P3WC-14(0-8)

Tot Ion:252 Resp: 1579277
Ion Ratio Lower Upper
252 100
253 23.4 18.4 27.6
125 12.6 9.6 14.4

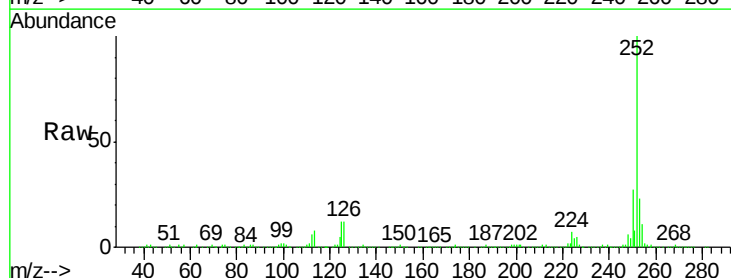


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

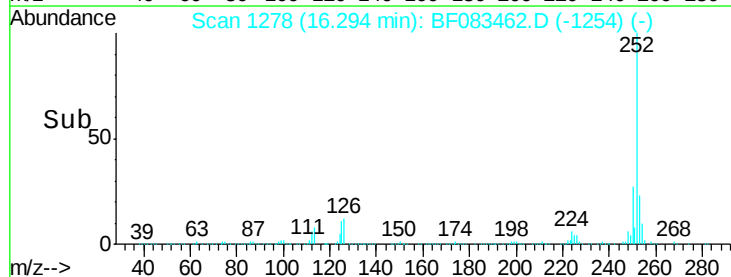
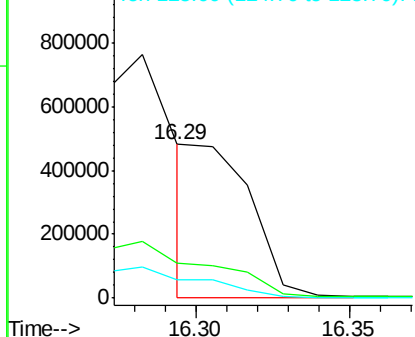


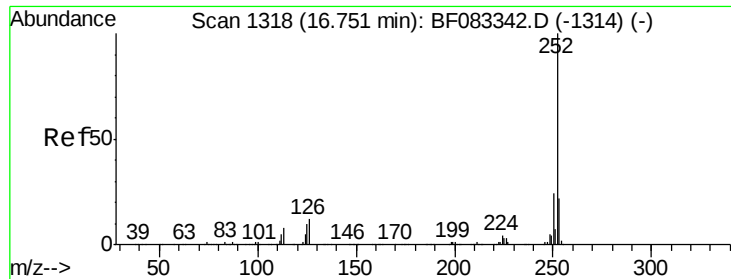
#88
Benzo(k)fluoranthene
Concen: 25.32 ng m
RT: 16.29 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF083462.D
Acq: 3 Dec 2015 16:09

Tgt Ion:252 Resp: 606781
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.0
125 11.6 7.5 11.3#



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

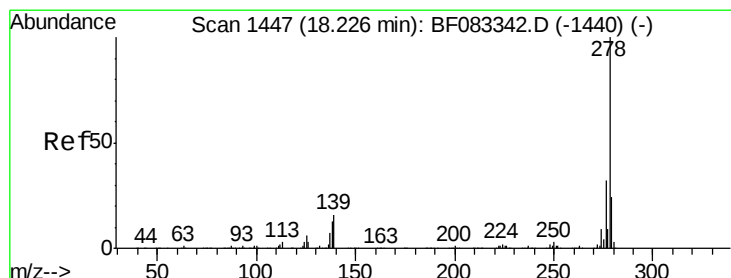
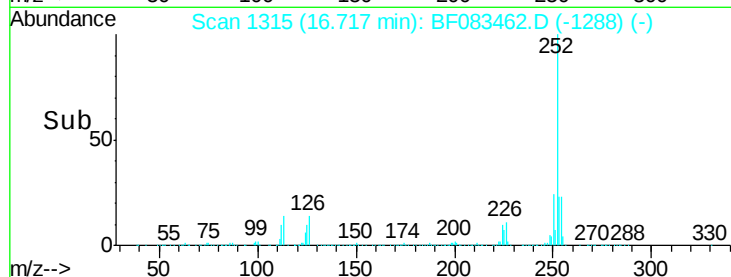
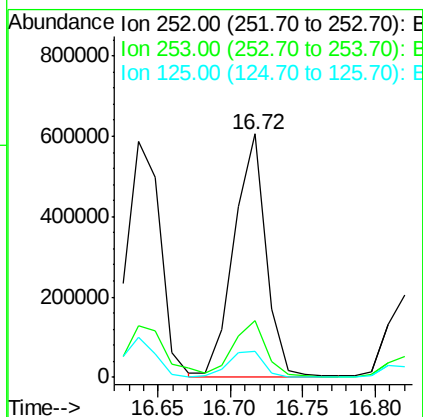
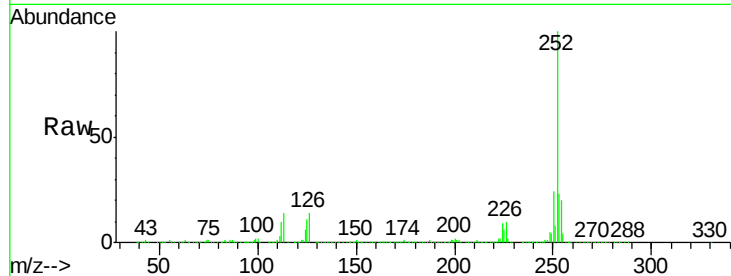




#89
Benzo(a)pyrene
Concen: 42.36 ng
RT: 16.72 min Scan# 1315
Delta R.T. 0.01 min
Lab File: BF083462.D
Acq: 3 Dec 2015 16:09

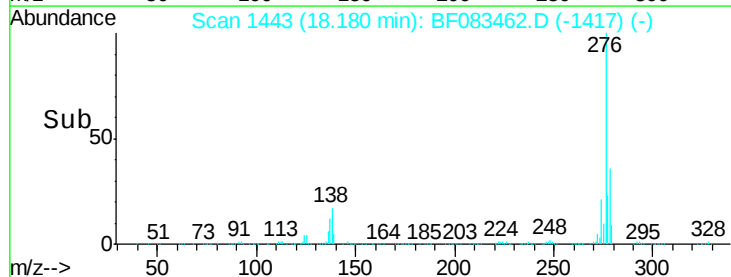
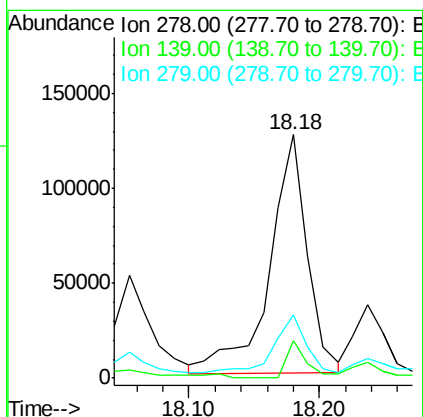
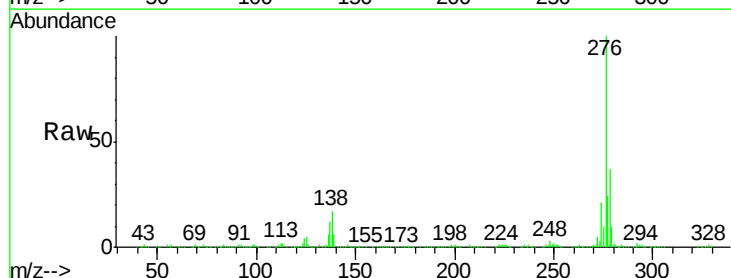
Instrument :
BNA_F
ClientSampleId :
SB-P3WC-14(0-8)

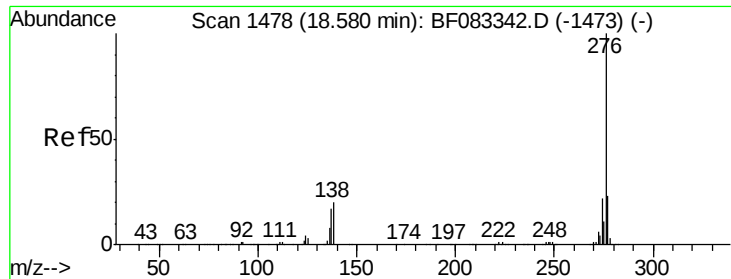
Tot Ion:252 Resp: 923420
Ion Ratio Lower Upper
252 100
253 23.4 17.5 26.3
125 10.8 7.8 11.8



#90
Dibenzo(a,h)anthracene
Concen: 13.47 ng
RT: 18.18 min Scan# 1443
Delta R.T. -0.00 min
Lab File: BF083462.D
Acq: 3 Dec 2015 16:09

Tgt Ion:278 Resp: 255820
Ion Ratio Lower Upper
278 100
139 15.3 13.1 19.7
279 25.7 19.2 28.8





#91

Benzo(a,h,i)perylene

Concen: 56.10 ng

RT: 18.55 min Scan# 1475

Delta R.T. 0.01 min

Lab File: BF083462.D

Acq: 3 Dec 2015 16:09

Instrument :

BNA_F

ClientSampleId :

SB-P3WC-14(0-8)

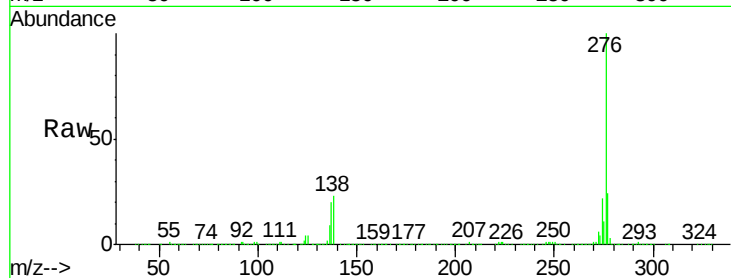
Tot Ion:276 Resp: 1045910

Ion Ratio Lower Upper

276 100

277 23.9 18.6 28.0

138 23.0 16.1 24.1



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

