

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063015\
 Data File : BF080262.D
 Acq On : 1 Jul 2015 7:24
 Operator : TP/IZ
 Sample : G2838-11
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B11

Quant Time: Jul 01 07:49:10 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 23 00:53:56 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.28	152	34301	20.00	ng	-0.05
21) Naphthalene-d8	8.57	136	139800	20.00	ng	-0.05
38) Acenaphthene-d10	10.34	164	73027	20.00	ng	-0.05
63) Phenanthrene-d10	11.86	188	152346	20.00	ng	-0.05
75) Chrysene-d12	14.97	240	160441	20.00	ng	-0.02
86) Perylene-d12	16.95	264	158526	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.90	112	341610	176.29	ng	-0.03
7) Phenol-d6	6.89	99	441812	171.34	ng	-0.03
23) Nitrobenzene-d5	7.84	82	262572	109.34	ng	-0.03
41) 2,4,6-Tribromophenol	11.14	330	115824	162.20	ng	-0.03
44) 2-Fluorobiphenyl	9.65	172	492803	96.24	ng	-0.05
78) Terphenyl-d14	13.62	244	583672	84.96	ng	-0.05

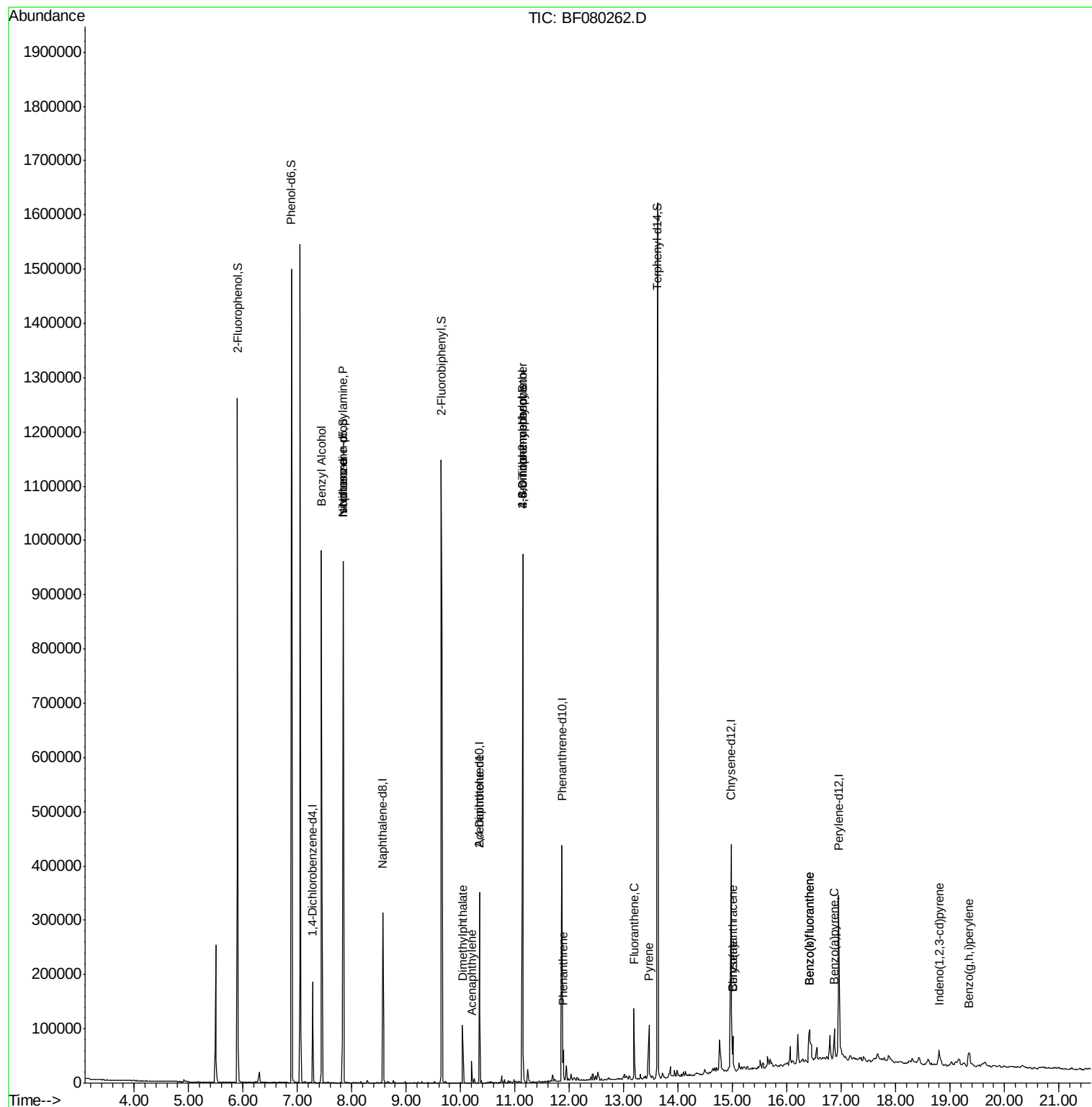
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	7.44	79	4398	2.09	ng	# 29
19) n-Nitroso-di-n-propylamine	7.84	70	34680	19.37	ng	# 60
25) Isophorone	7.84	82	262609	54.34	ng	# 58
48) Acenaphthylene	10.21	152	18038	2.24	ng	95
49) Dimethylphthalate	10.04	163	55248	10.06	ng	# 96
56) 2,4-Dinitrotoluene	10.34	165	9234	6.61	ng	# 31
64) 4,6-Dinitro-2-methylphenol	11.14	198	226	3.85	ng	# 1
66) 4-Bromophenyl-phenylether	11.14	248	8648	5.34	ng	# 1
70) Phenanthrene	11.89	178	19796	2.15	ng	97
74) Fluoranthene	13.19	202	53487	5.45	ng	93
77) Pyrene	13.46	202	53114	5.38	ng	97
80) Benzo(a)anthracene	15.01	228	29410	3.01	ng	92
82) Chrysene	15.01	228	29410	3.26	ng	94
85) Indeno(1,2,3-cd)pyrene	18.80	276	24205	2.13	ng	# 87
87) Benzo(b)fluoranthene	16.41	252	59570	6.21	ng	# 90
88) Benzo(k)fluoranthene	16.41	252	59570	6.09	ng	# 91
89) Benzo(a)pyrene	16.87	252	34331	3.77	ng	# 88
91) Benzo(g,h,i)perylene	19.35	276	28901	3.07	ng	# 77

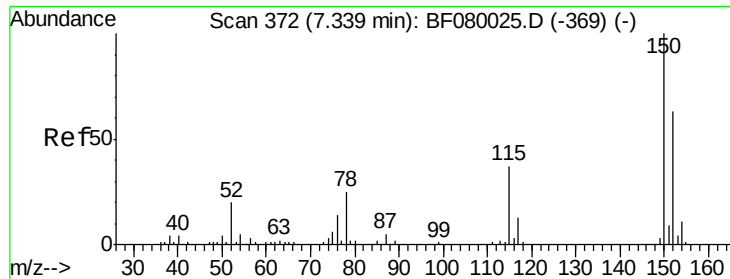
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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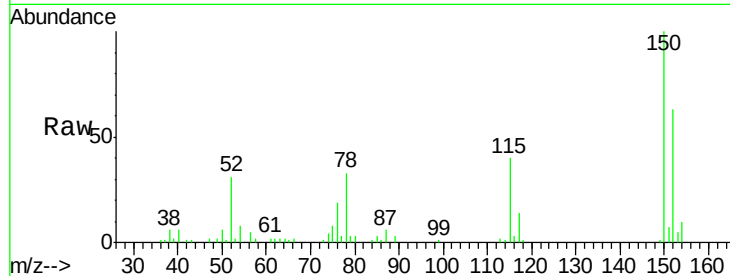


#1

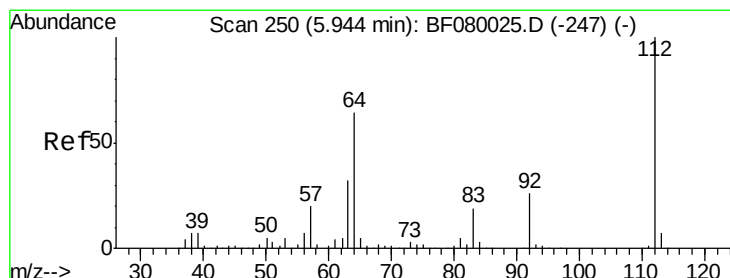
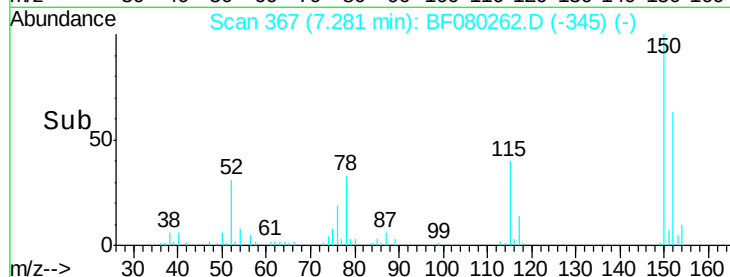
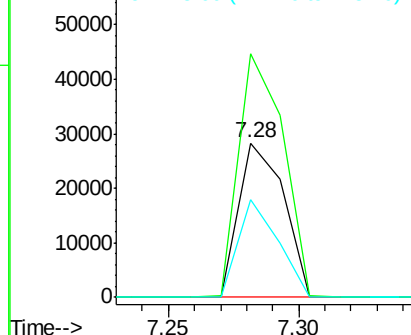
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.28 min Scan# 367
Delta R.T. -0.05 min
Lab File: BF080262.D
Acq: 1 Jul 2015 7:24

Instrument :
BNA_F
ClientSampled :
TEC-B11

Tgt Ion:152 Resp: 34301
Ion Ratio Lower Upper
152 100
150 157.8 124.7 187.1
115 63.3 39.0 58.4#



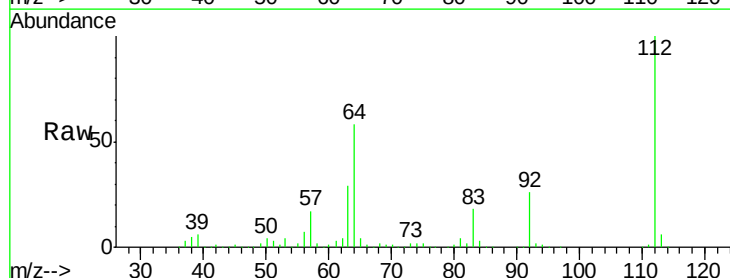
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



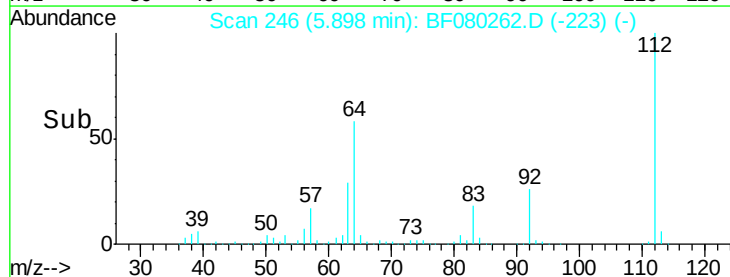
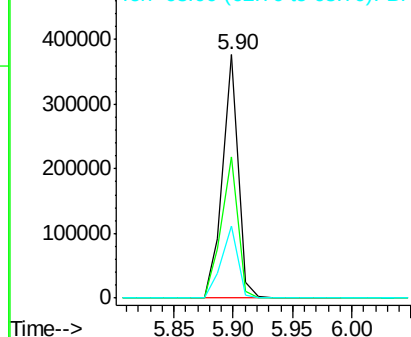
#5

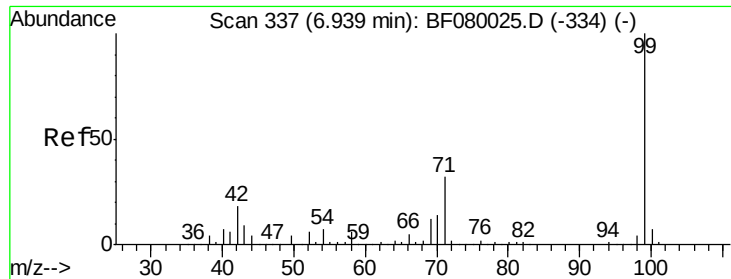
2-Fluorophenol
Concen: 176.29 ng
RT: 5.90 min Scan# 246
Delta R.T. -0.03 min
Lab File: BF080262.D
Acq: 1 Jul 2015 7:24

Tgt Ion:112 Resp: 341610
Ion Ratio Lower Upper
112 100
64 57.8 39.7 59.5
63 29.4 17.4 26.0#



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: 171.34 ng

RT: 6.89 min Scan# 333

Delta R.T. -0.03 min

Lab File: BF080262.D

Acq: 1 Jul 2015 7:24

Instrument :

BNA_F

ClientSampleId :

TEC-B11

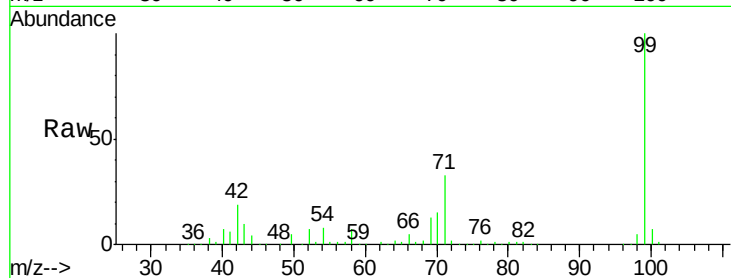
Tgt Ion: 99 Resp: 441812

Ion Ratio Lower Upper

99 100

42 18.9 13.7 20.5

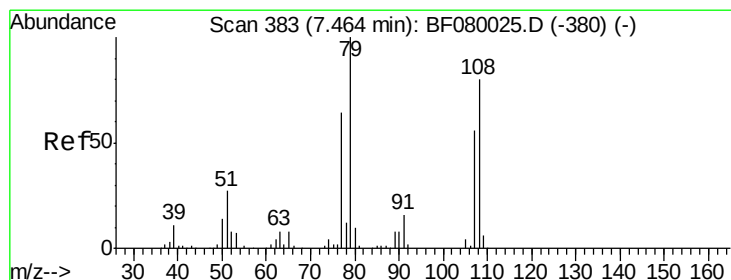
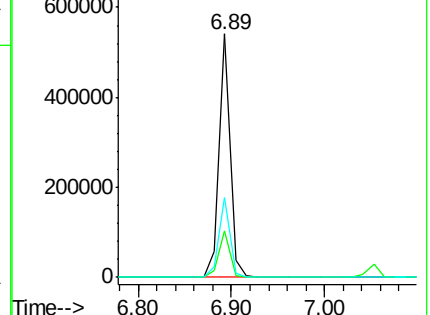
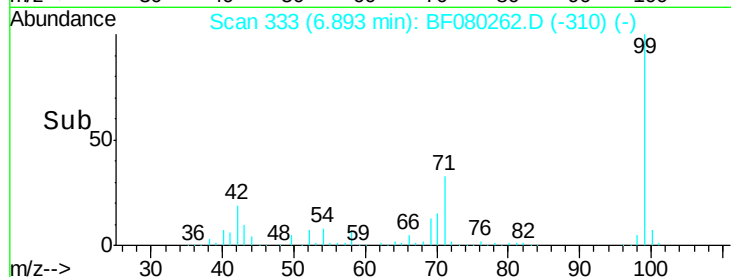
71 33.0 14.2 21.2#



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: 2.09 ng

RT: 7.44 min Scan# 381

Delta R.T. -0.00 min

Lab File: BF080262.D

Acq: 1 Jul 2015 7:24

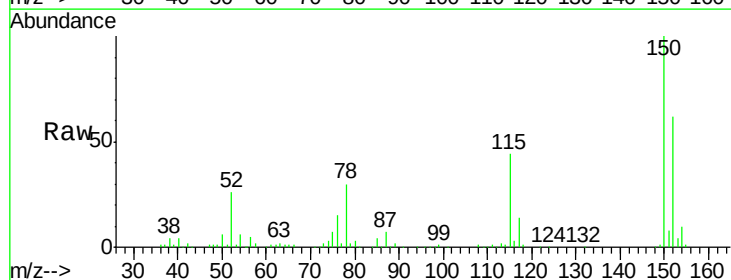
Tgt Ion: 79 Resp: 4398

Ion Ratio Lower Upper

79 100

108 25.3 88.6 132.8#

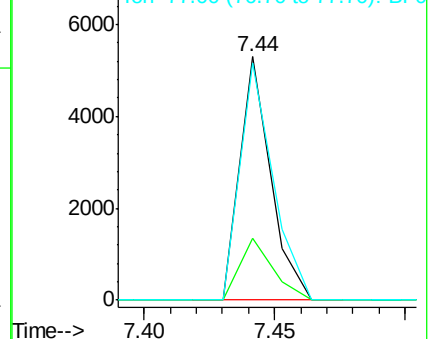
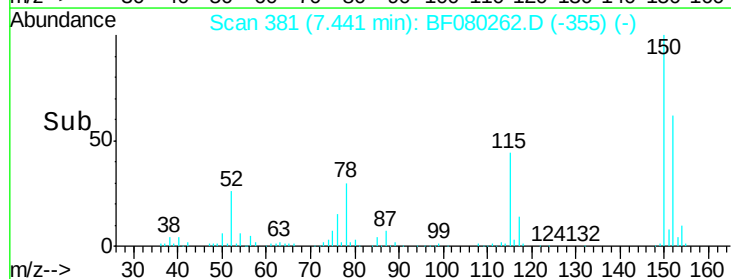
77 97.3 47.0 70.4#

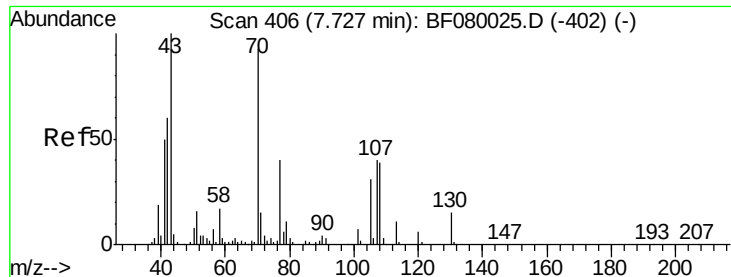


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

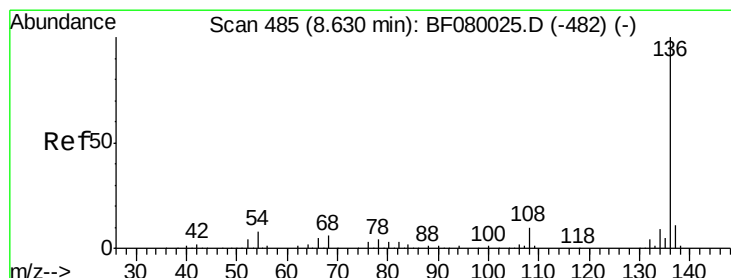
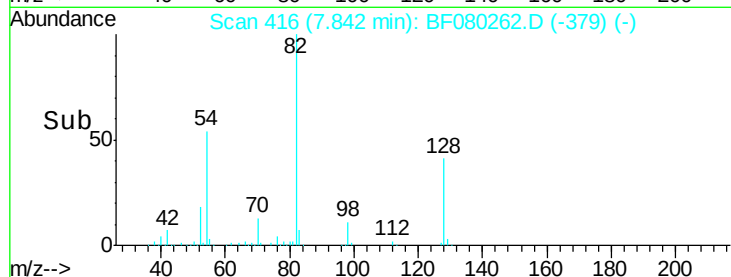
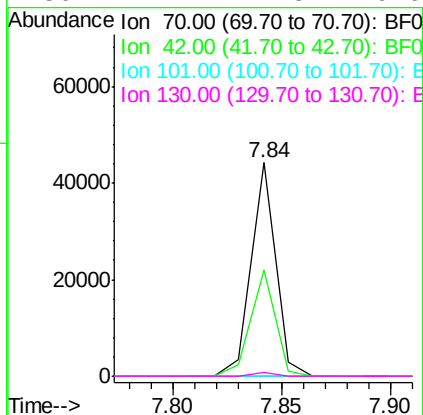
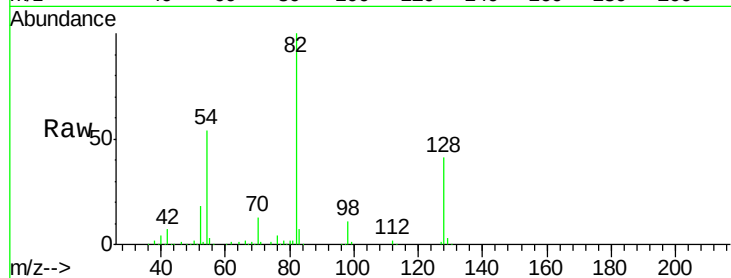




#19
n-Nitroso-di-n-propylamine
Concen: 19.37 ng
RT: 7.84 min Scan# 416
Delta R.T. 0.13 min
Lab File: BF080262.D
Acq: 1 Jul 2015 7:24

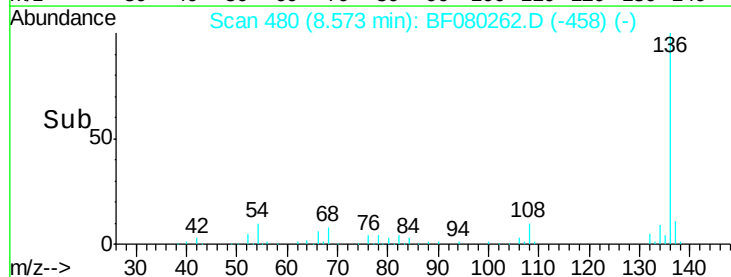
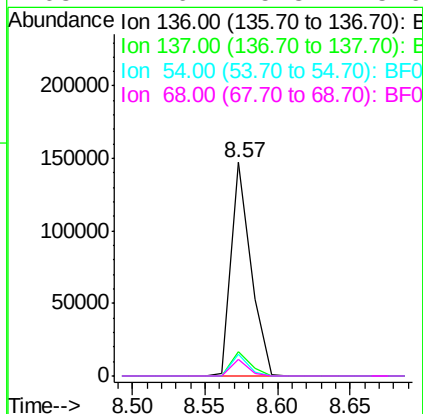
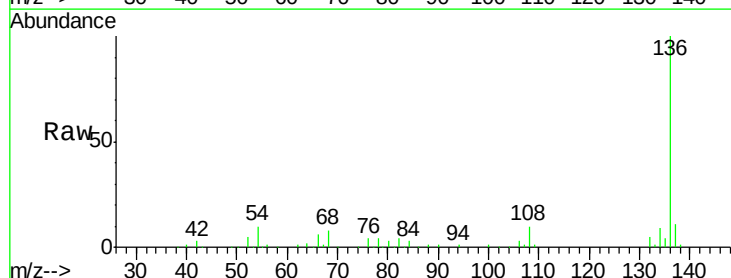
Instrument :
BNA_F
ClientSampleId :
TEC-B11

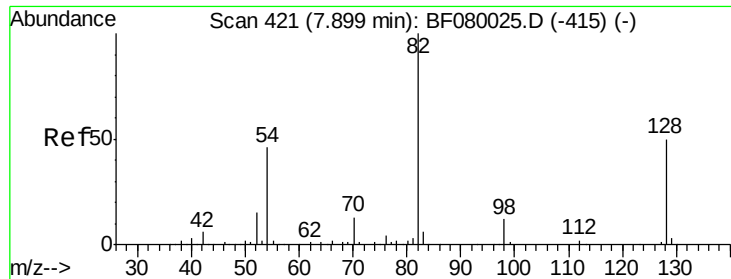
Tgt Ion: 70 Resp: 34680
Ion Ratio Lower Upper
70 100
42 49.7 63.8 95.6#
101 0.0 9.2 13.8#
130 1.7 27.3 40.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.57 min Scan# 480
Delta R.T. -0.05 min
Lab File: BF080262.D
Acq: 1 Jul 2015 7:24

Tgt Ion: 136 Resp: 139800
Ion Ratio Lower Upper
136 100
137 11.4 9.0 13.6
54 10.4 8.2 12.2
68 7.6 5.8 8.6

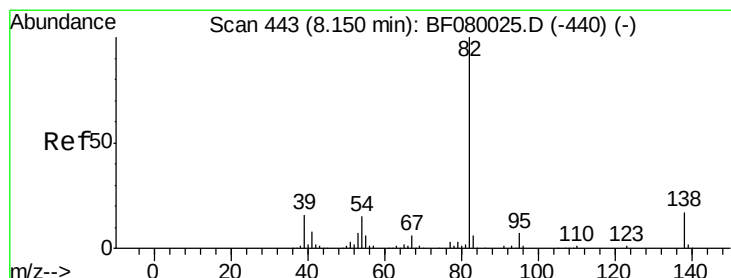
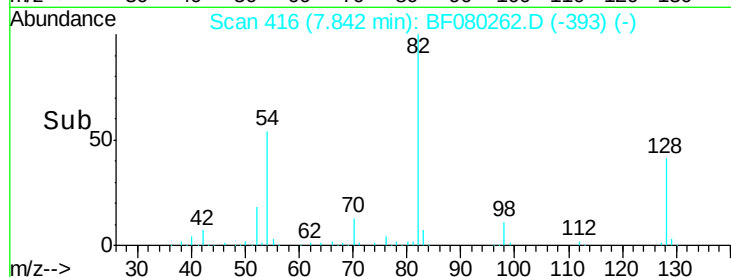
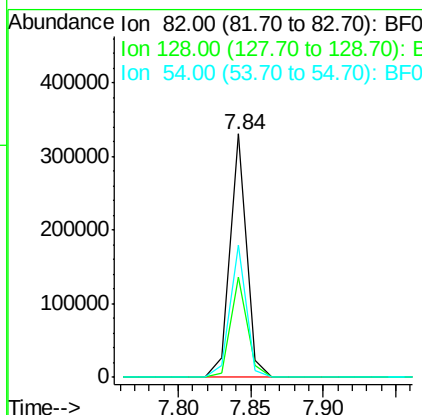
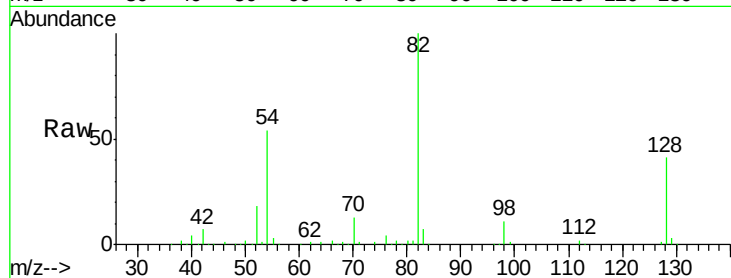




#23
 Nitrobenzene-d5
 Concen: 109.34 ng
 RT: 7.84 min Scan# 416
 Delta R.T. -0.03 min
 Lab File: BF080262.D
 Acq: 1 Jul 2015 7:24

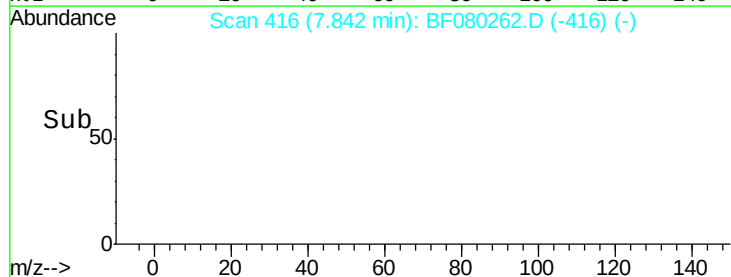
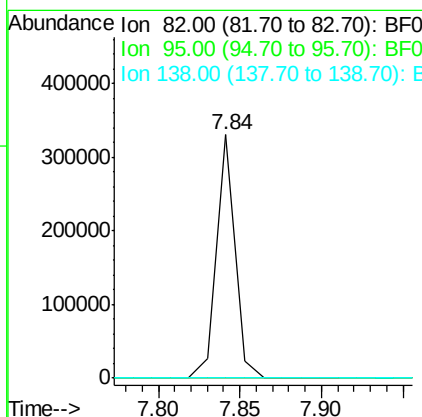
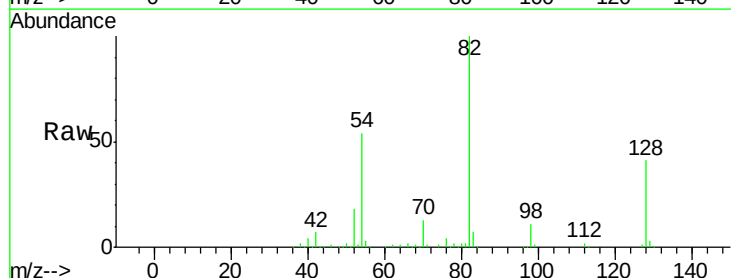
Instrument :
 BNA_F
 ClientSampleId :
 TEC-B11

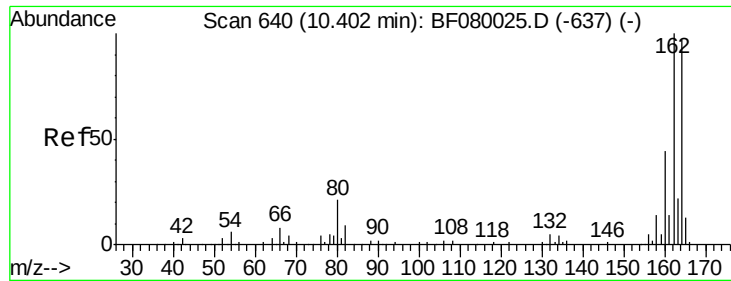
Tgt Ion: 82 Resp: 262572
 Ion Ratio Lower Upper
 82 100
 128 41.3 51.0 76.6#
 54 54.2 47.5 71.3



#25
 Isophorone
 Concen: 54.34 ng
 RT: 7.84 min Scan# 416
 Delta R.T. -0.30 min
 Lab File: BF080262.D
 Acq: 1 Jul 2015 7:24

Tgt Ion: 82 Resp: 262609
 Ion Ratio Lower Upper
 82 100
 95 0.0 4.0 6.0#
 138 0.0 18.3 27.5#

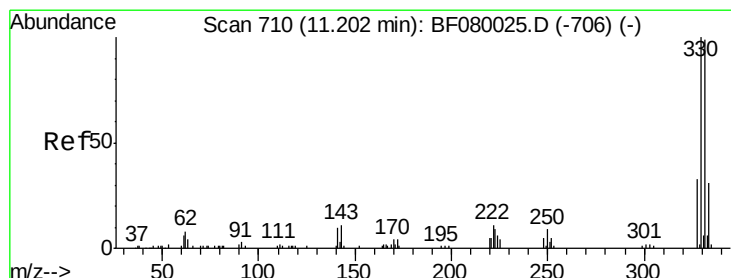
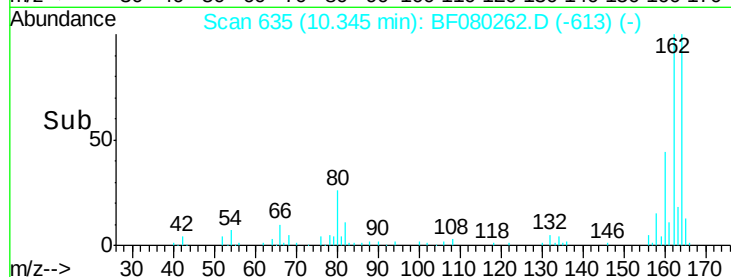
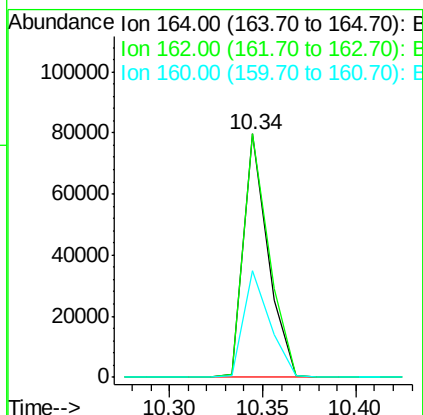
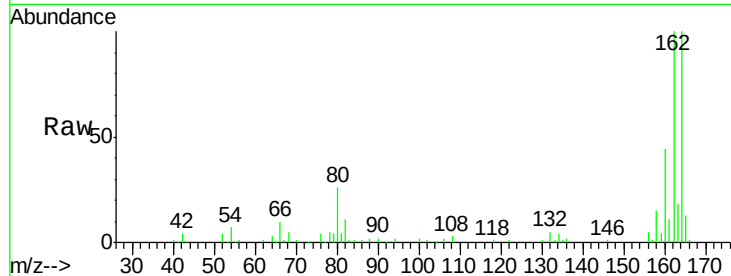




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.34 min Scan# 635
 Delta R.T. -0.05 min
 Lab File: BF080262.D
 Acq: 1 Jul 2015 7:24

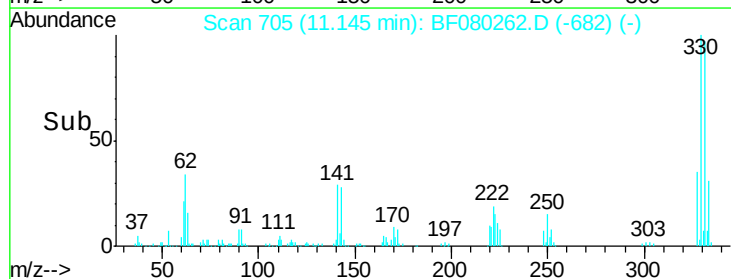
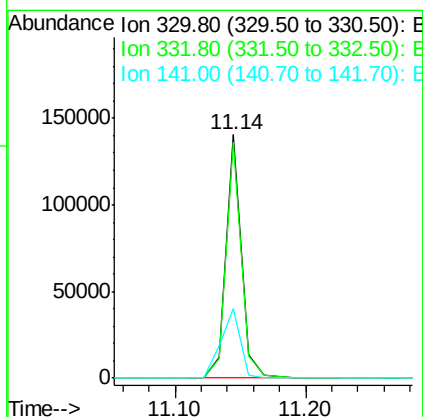
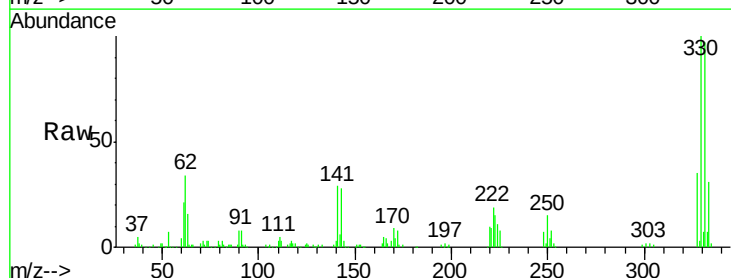
Instrument :
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 ClientSampleId :
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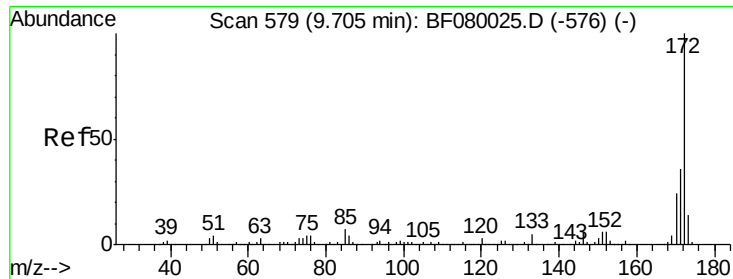
Tgt Ion:164 Resp: 73027
 Ion Ratio Lower Upper
 164 100
 162 100.1 75.2 112.8
 160 43.7 31.5 47.3



#41
 2,4,6-Tribromophenol
 Concen: 162.20 ng
 RT: 11.14 min Scan# 705
 Delta R.T. -0.03 min
 Lab File: BF080262.D
 Acq: 1 Jul 2015 7:24

Tgt Ion:330 Resp: 115824
 Ion Ratio Lower Upper
 330 100
 332 96.7 76.6 114.8
 141 36.1 29.7 44.5

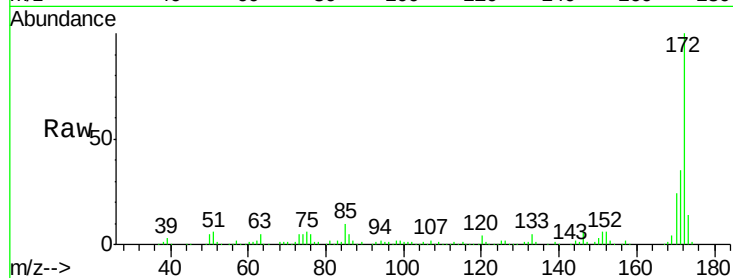




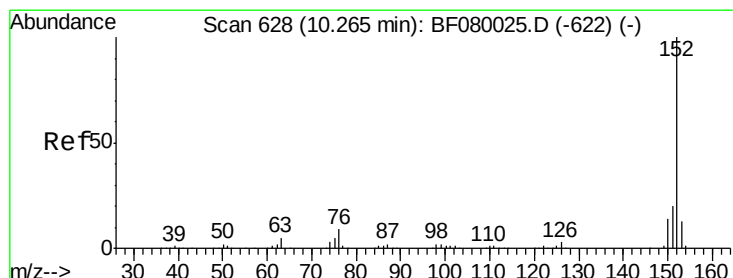
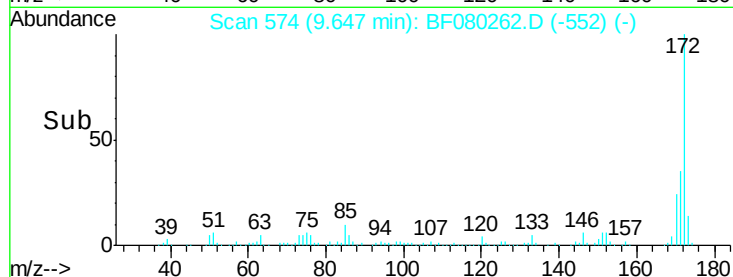
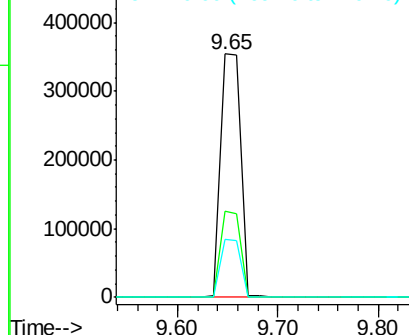
#44
 2-Fluorobiphenyl
 Concen: 96.24 ng
 RT: 9.65 min Scan# 574
 Delta R.T. -0.05 min
 Lab File: BF080262.D
 Acq: 1 Jul 2015 7:24

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B11

Tgt Ion:172 Resp: 492803
 Ion Ratio Lower Upper
 172 100
 171 35.4 26.1 39.1
 170 23.9 17.4 26.2

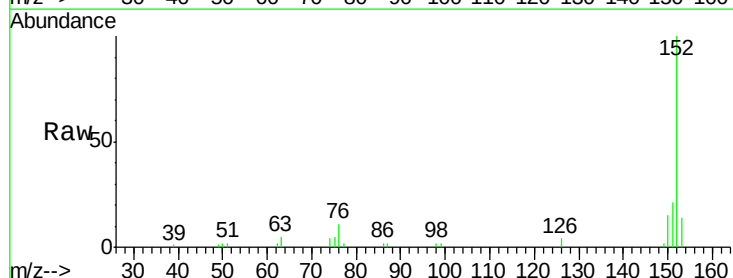


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

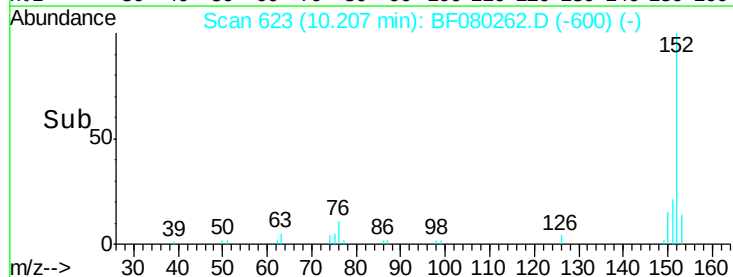
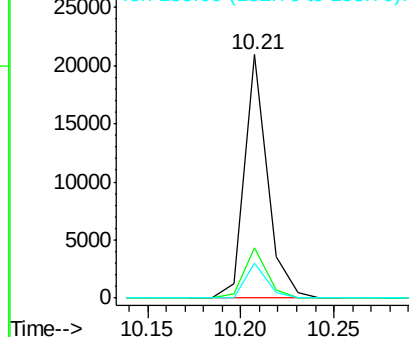


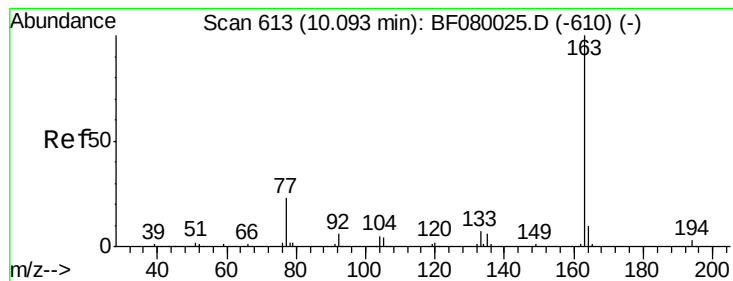
#48
 Acenaphthylene
 Concen: 2.24 ng
 RT: 10.21 min Scan# 623
 Delta R.T. -0.03 min
 Lab File: BF080262.D
 Acq: 1 Jul 2015 7:24

Tgt Ion:152 Resp: 18038
 Ion Ratio Lower Upper
 152 100
 151 20.9 14.6 22.0
 153 14.2 10.3 15.5



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: 10.06 ng

RT: 10.04 min Scan# 608

Delta R.T. -0.05 min

Lab File: BF080262.D

Acq: 1 Jul 2015 7:24

Instrument :

BNA_F

ClientSampleId :

TEC-B11

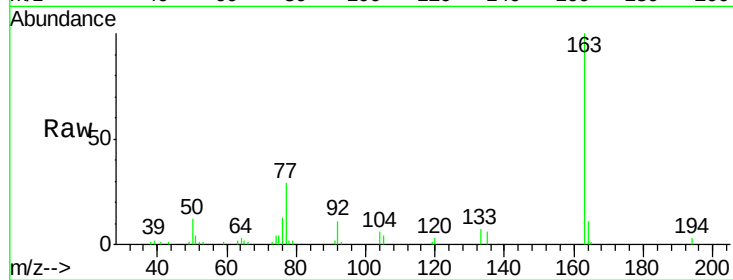
Tgt Ion:163 Resp: 55248

Ion Ratio Lower Upper

163 100

194 2.7 4.4 6.6#

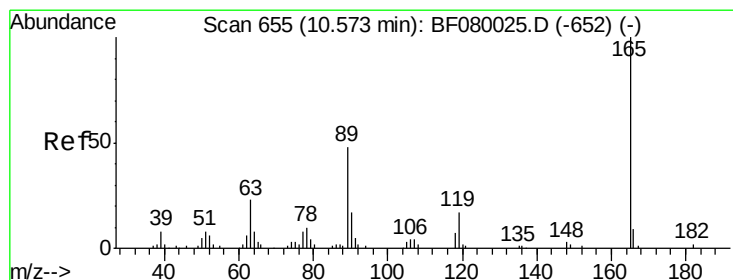
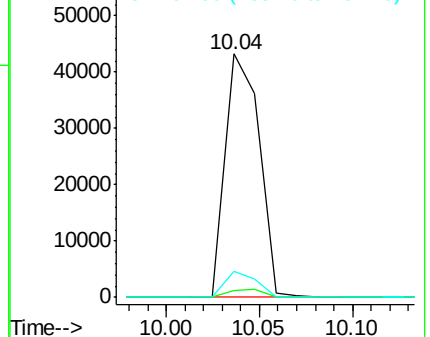
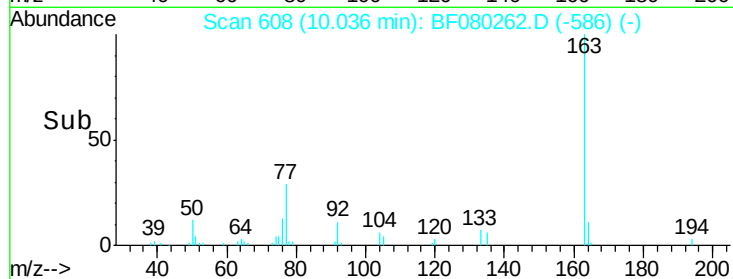
164 10.8 8.3 12.5



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: 6.61 ng

RT: 10.34 min Scan# 635

Delta R.T. -0.21 min

Lab File: BF080262.D

Acq: 1 Jul 2015 7:24

Tgt Ion:165 Resp: 9234

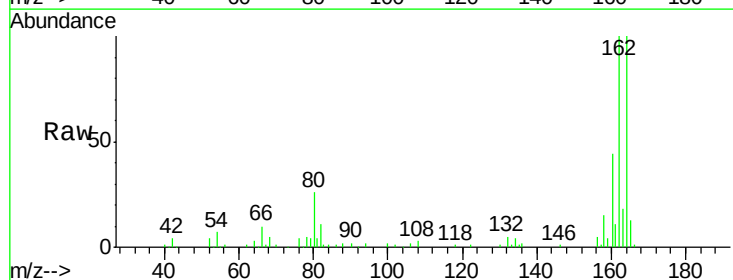
Ion Ratio Lower Upper

165 100

63 0.0 29.8 44.6#

89 0.0 44.5 66.7#

182 0.0 3.0 4.4#

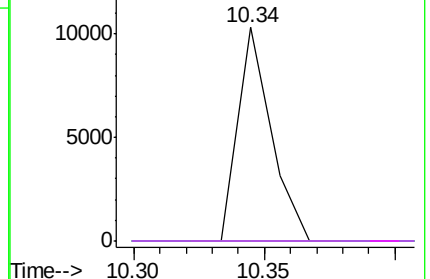
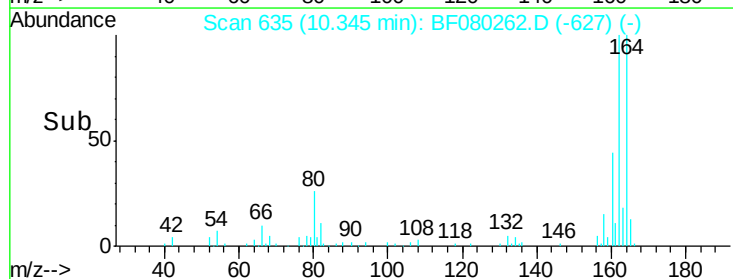


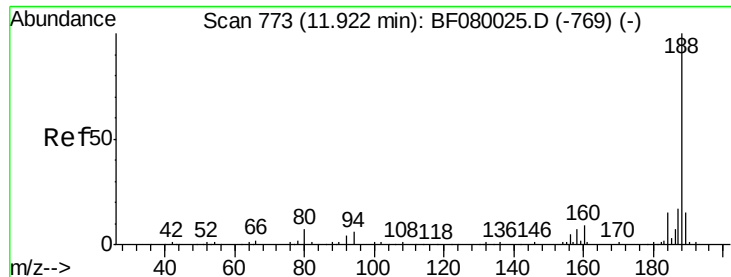
Abundance Ion 165.00 (164.70 to 165.70): E

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

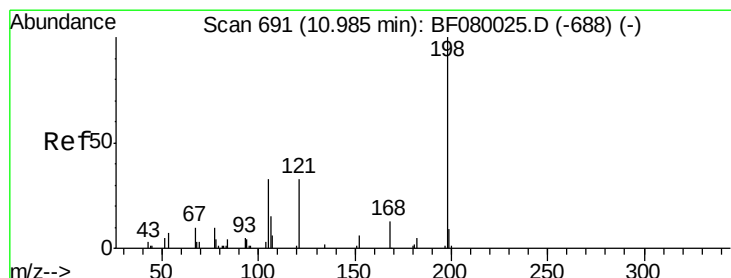
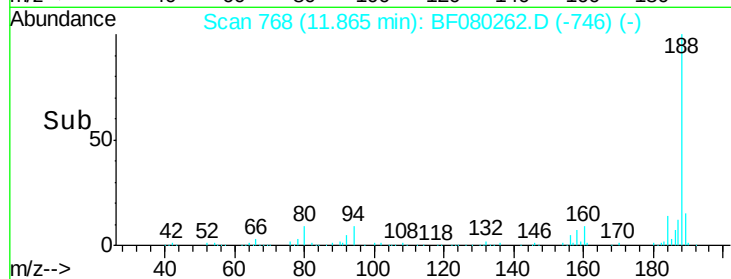
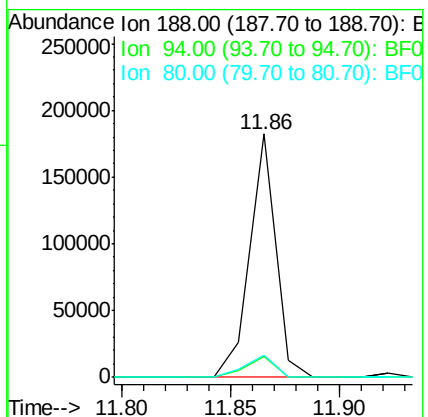
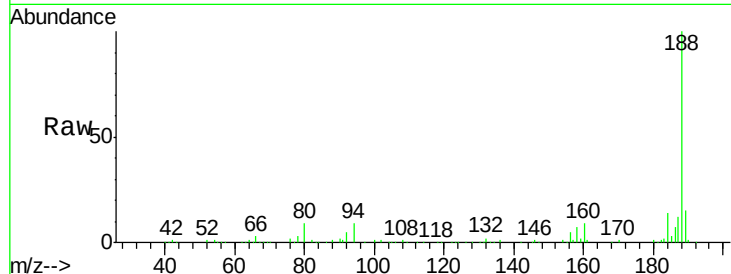




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.86 min Scan# 768
 Delta R.T. -0.05 min
 Lab File: BF080262.D
 Acq: 1 Jul 2015 7:24

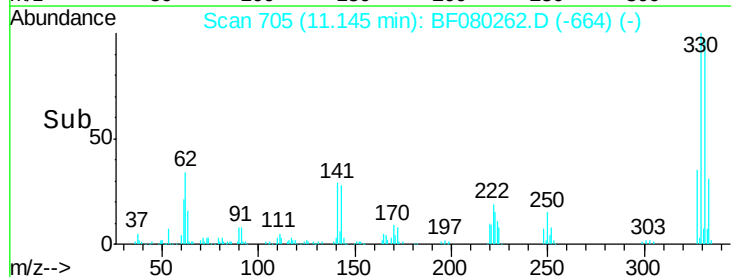
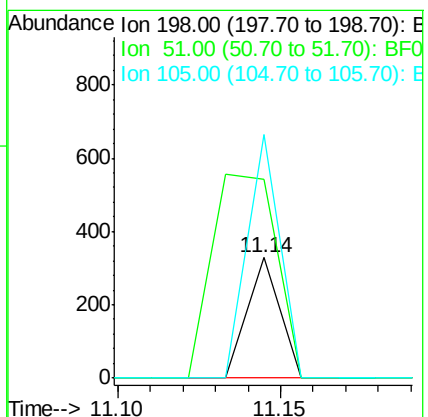
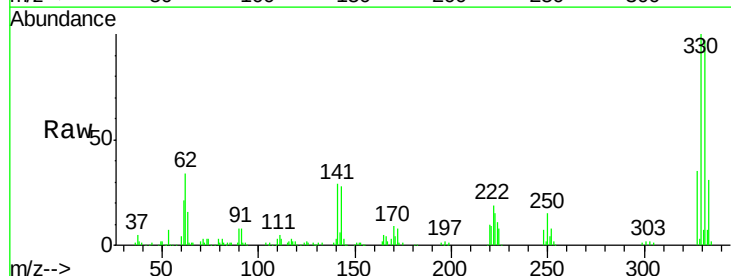
Instrument :
 BNA_F
 ClientSampleId :
 TEC-B11

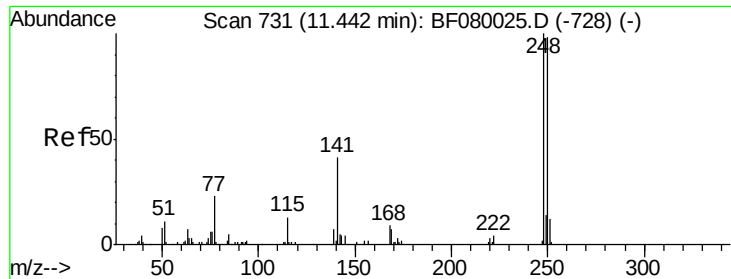
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.8	11.1	16.7#
80	9.2	11.0	16.4#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 3.85 ng
 RT: 11.14 min Scan# 705
 Delta R.T. 0.17 min
 Lab File: BF080262.D
 Acq: 1 Jul 2015 7:24

Tgt Ion	Ratio	Lower	Upper
198	100		
51	165.3	39.6	79.6#
105	201.8	28.5	68.5#

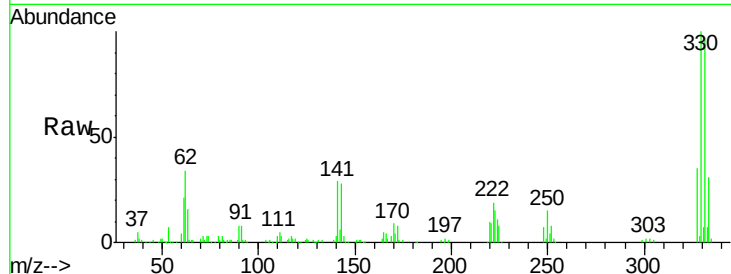




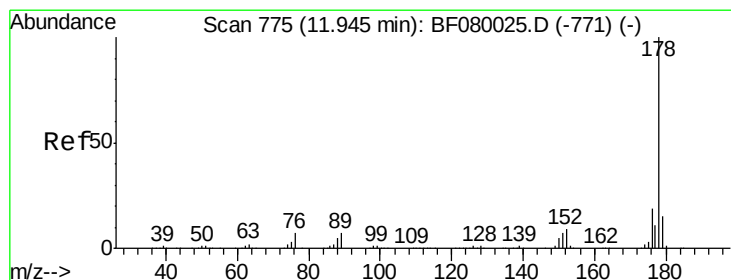
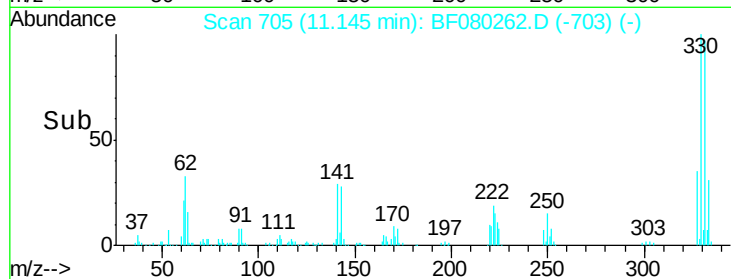
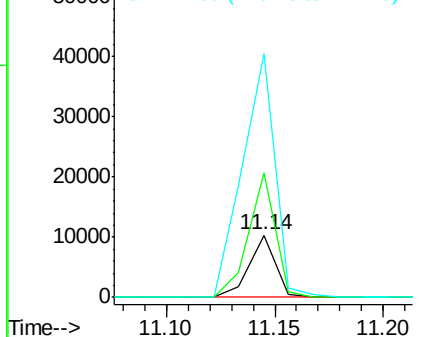
#66
 4-Bromophenyl-phenylether
 Concen: 5.34 ng
 RT: 11.14 min Scan# 705
 Delta R.T. -0.27 min
 Lab File: BF080262.D
 Acq: 1 Jul 2015 7:24

Instrument :
 BNA_F
 ClientSampled :
 TEC-B11

Tgt Ion: 248 Resp: 8648
 Ion Ratio Lower Upper
 248 100
 250 199.8 78.5 117.7#
 141 392.1 59.0 88.6#

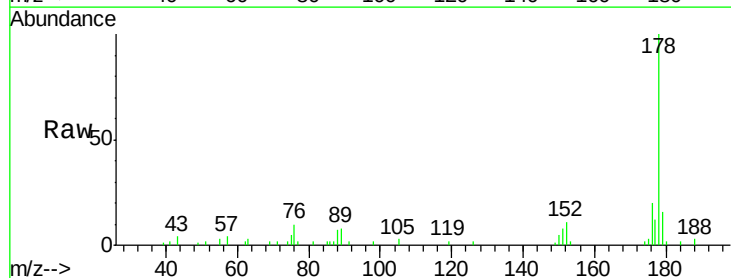


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

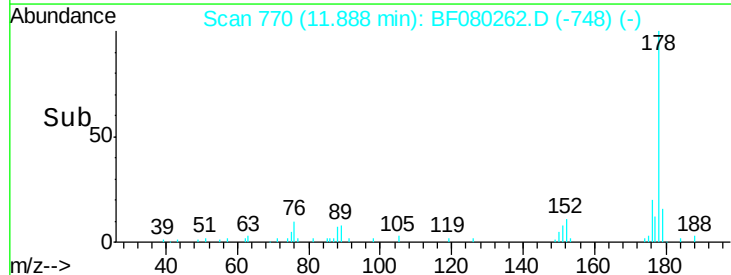
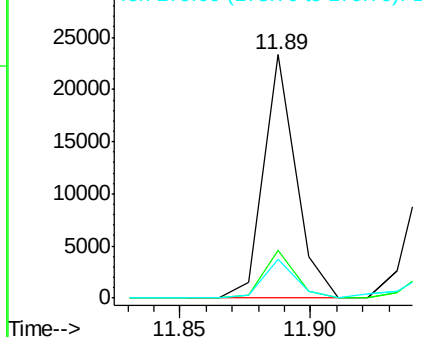


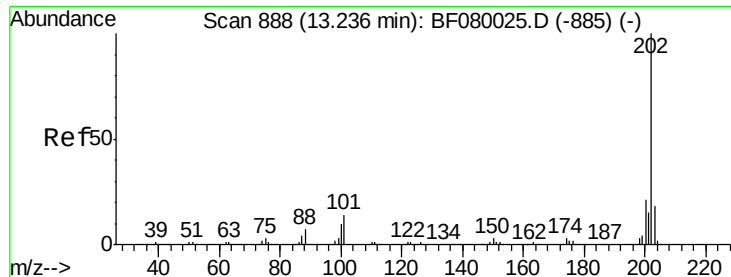
#70
 Phenanthrene
 Concen: 2.15 ng
 RT: 11.89 min Scan# 770
 Delta R.T. -0.05 min
 Lab File: BF080262.D
 Acq: 1 Jul 2015 7:24

Tgt Ion: 178 Resp: 19796
 Ion Ratio Lower Upper
 178 100
 176 19.5 13.8 20.8
 179 15.7 12.2 18.2



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: 5.45 ng

RT: 13.19 min Scan# 884

Delta R.T. -0.06 min

Lab File: BF080262.D

Acq: 1 Jul 2015 7:24

Instrument :

BNA_F

ClientSampleId :

TEC-B11

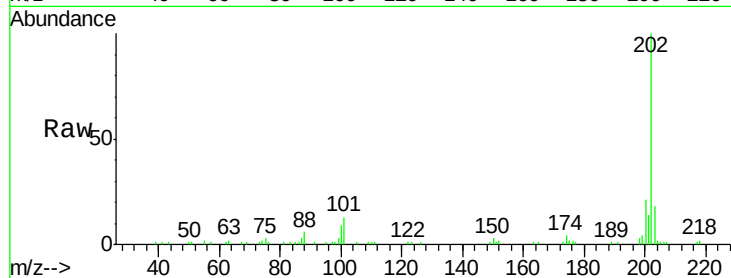
Tgt Ion: 202 Resp: 53487

Ion Ratio Lower Upper

202 100

101 12.7 0.0 38.3

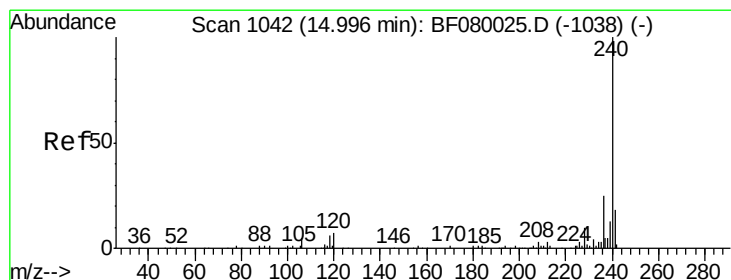
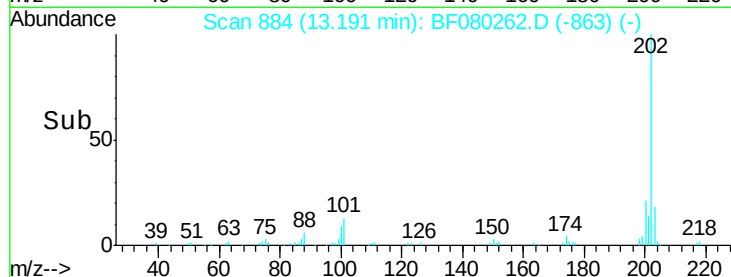
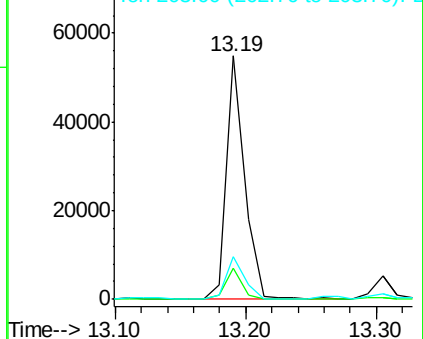
203 17.6 0.0 37.3



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: 14.97 min Scan# 1040

Delta R.T. -0.02 min

Lab File: BF080262.D

Acq: 1 Jul 2015 7:24

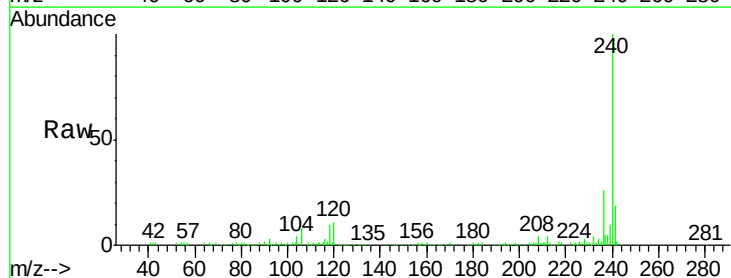
Tgt Ion: 240 Resp: 160441

Ion Ratio Lower Upper

240 100

120 10.7 16.2 24.2#

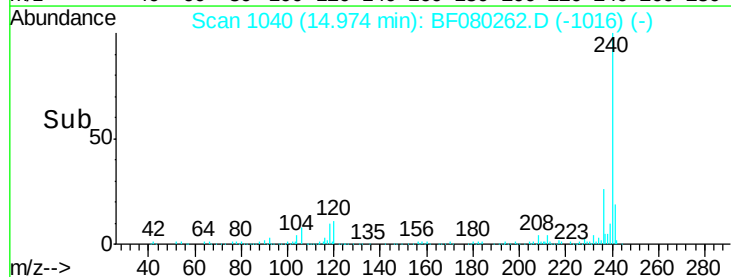
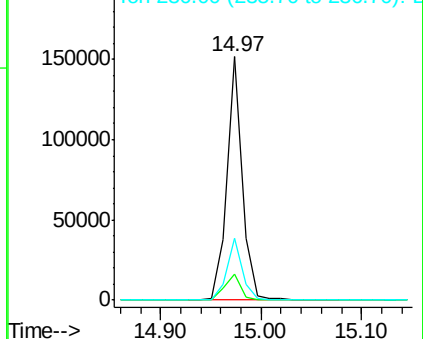
236 25.6 18.4 27.6

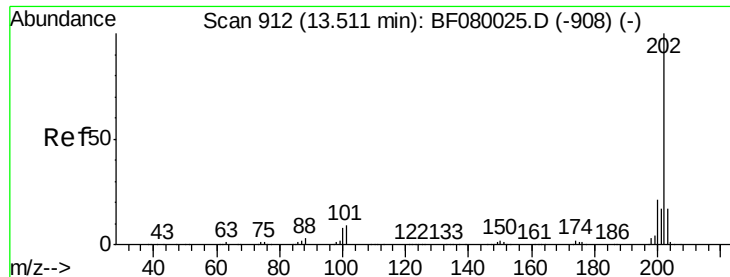


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

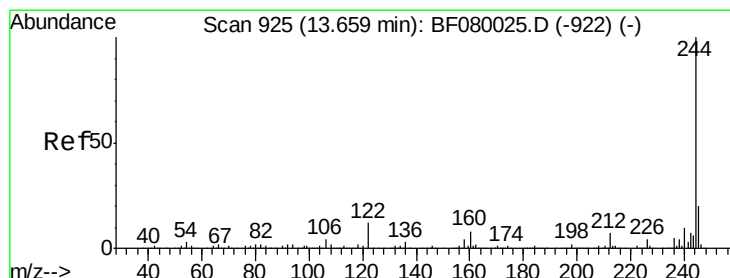
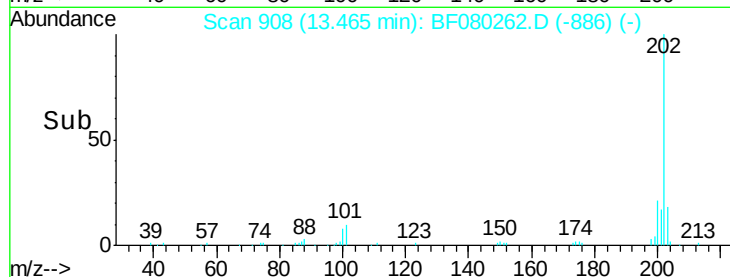
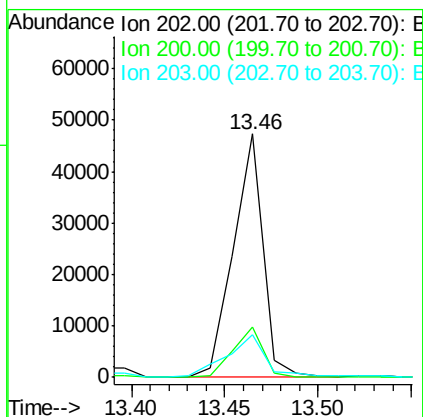
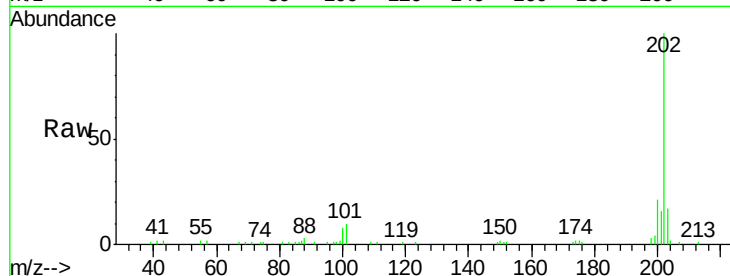




#77
Pyrene
 Concen: 5.38 ng
 RT: 13.46 min Scan# 908
 Delta R.T. -0.05 min
 Lab File: BF080262.D
 Acq: 1 Jul 2015 7:24

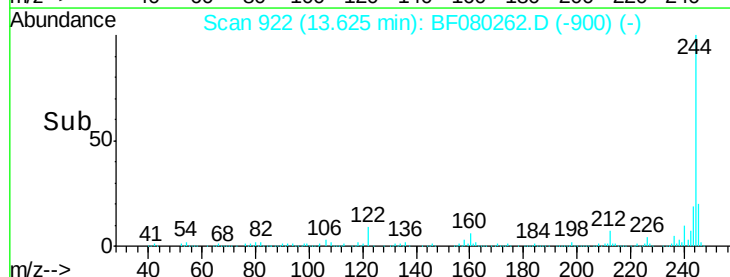
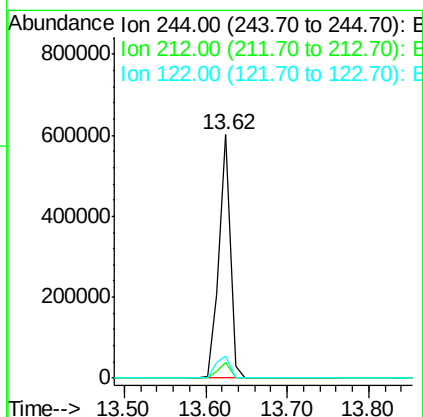
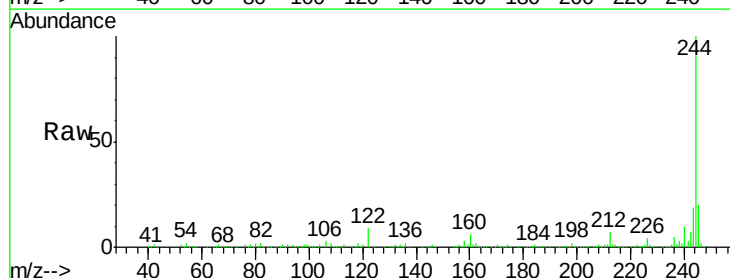
Instrument :
 BNA_F
 ClientSampleId :
 TEC-B11

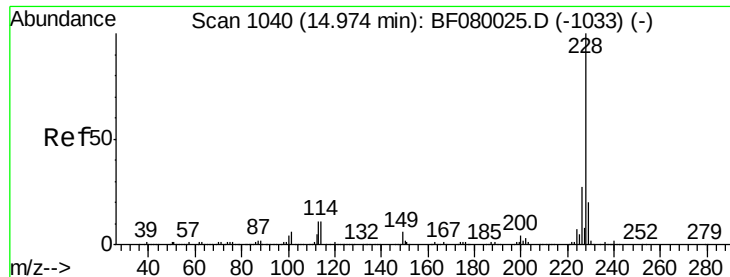
Tgt Ion: 202 Resp: 53114
 Ion Ratio Lower Upper
 202 100
 200 20.8 15.0 22.4
 203 17.3 14.1 21.1



#78
Terphenyl-d14
 Concen: 84.96 ng
 RT: 13.62 min Scan# 922
 Delta R.T. -0.05 min
 Lab File: BF080262.D
 Acq: 1 Jul 2015 7:24

Tgt Ion: 244 Resp: 583672
 Ion Ratio Lower Upper
 244 100
 212 6.7 4.3 6.5#
 122 9.0 17.4 26.2#





#80

Benzo(a)anthracene

Concen: 3.01 ng

RT: 15.01 min Scan# 1043

Delta R.T. 0.02 min

Lab File: BF080262.D

Acq: 1 Jul 2015 7:24

Instrument :

BNA_F

ClientSampleId :

TEC-B11

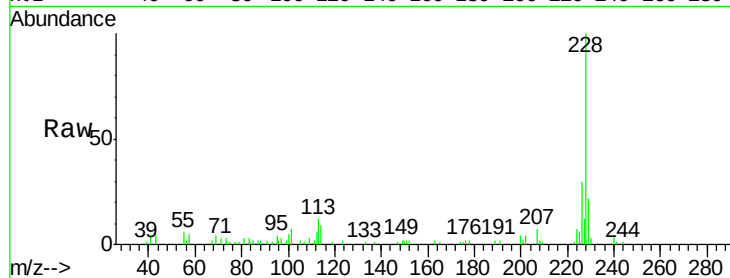
Tgt Ion:228 Resp: 29410

Ion Ratio Lower Upper

228 100

226 29.7 20.0 30.0

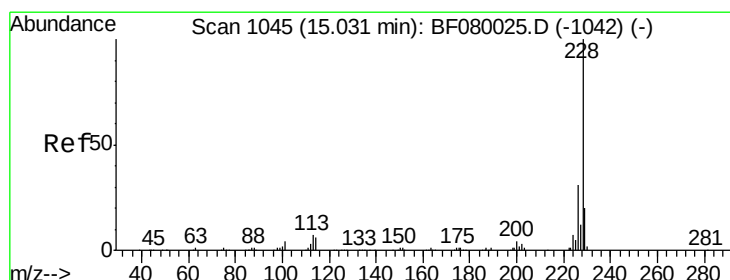
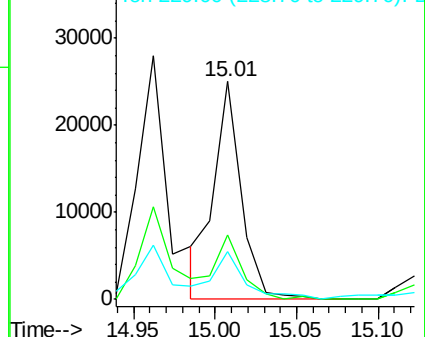
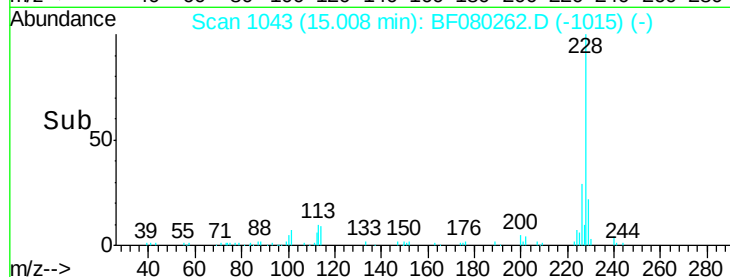
229 22.2 15.4 23.2



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: 3.26 ng

RT: 15.01 min Scan# 1043

Delta R.T. -0.02 min

Lab File: BF080262.D

Acq: 1 Jul 2015 7:24

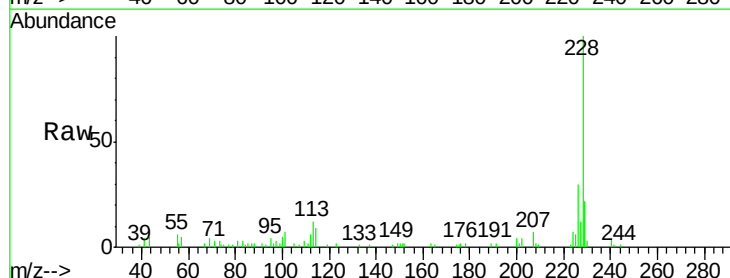
Tgt Ion:228 Resp: 29410

Ion Ratio Lower Upper

228 100

226 29.7 21.0 31.4

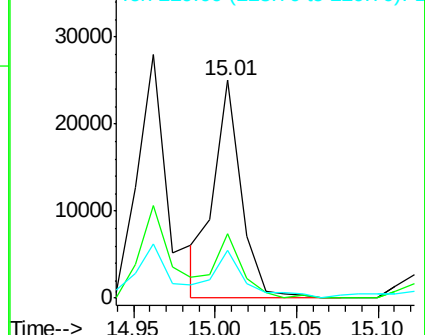
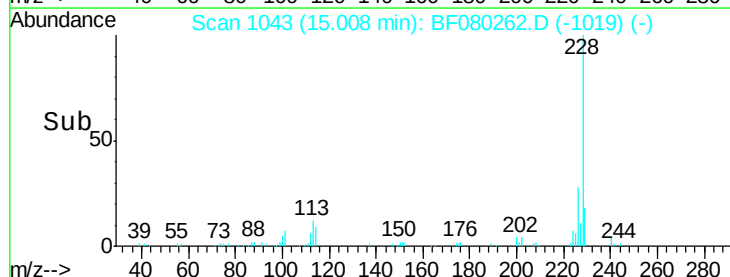
229 22.2 15.6 23.4

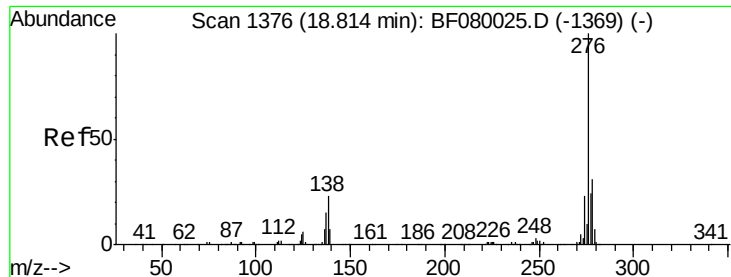


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

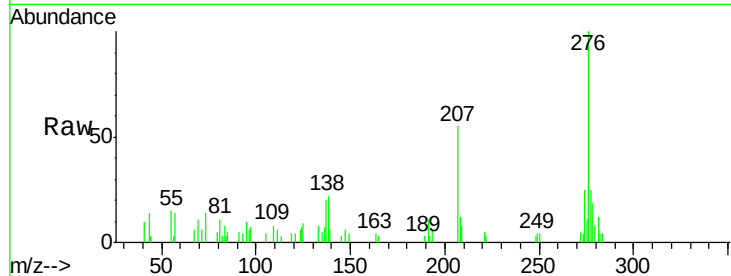




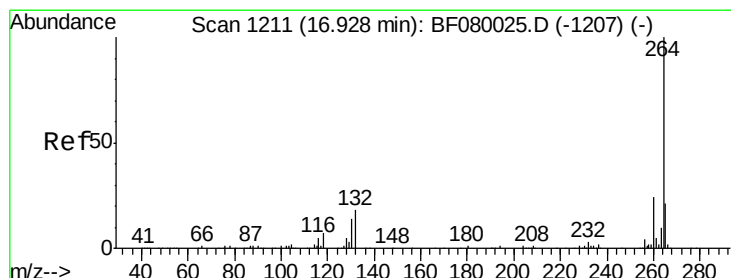
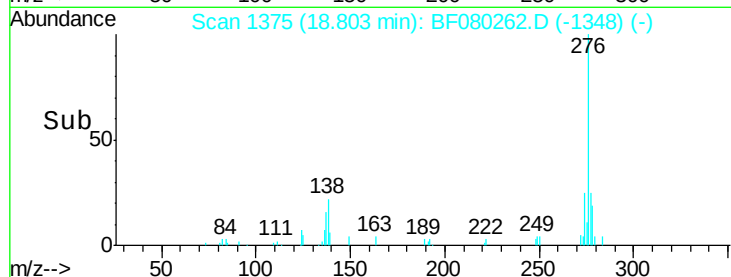
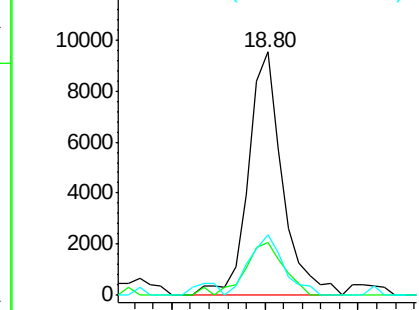
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.13 ng
 RT: 18.80 min Scan# 1375
 Delta R.T. 0.01 min
 Lab File: BF080262.D
 Acq: 1 Jul 2015 7:24

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B11

Tgt Ion: 276 Resp: 24205
 Ion Ratio Lower Upper
 276 100
 138 24.8 25.7 38.5#
 277 25.5 15.6 23.4#

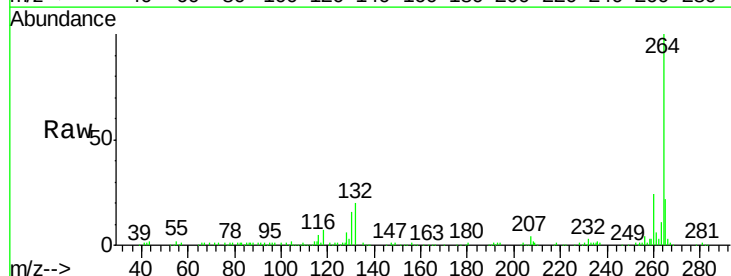


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

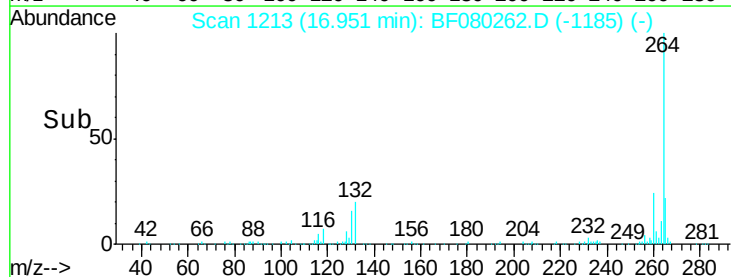
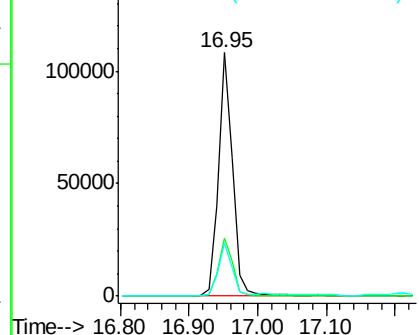


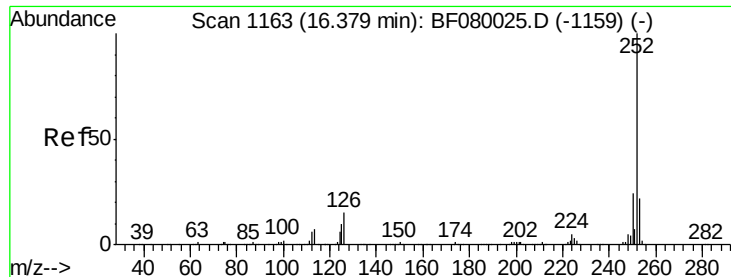
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.95 min Scan# 1213
 Delta R.T. 0.02 min
 Lab File: BF080262.D
 Acq: 1 Jul 2015 7:24

Tgt Ion: 264 Resp: 158526
 Ion Ratio Lower Upper
 264 100
 260 23.8 16.7 25.1
 265 21.8 17.2 25.8



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

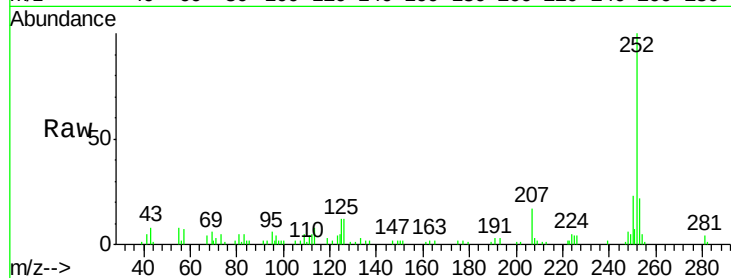




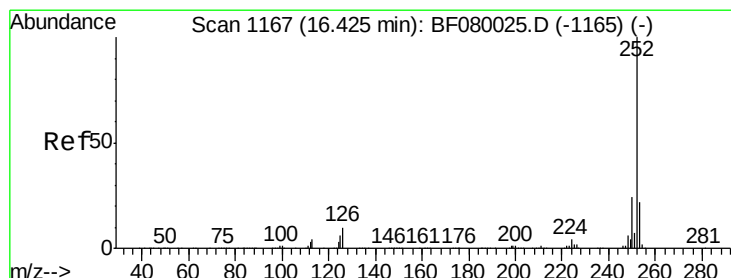
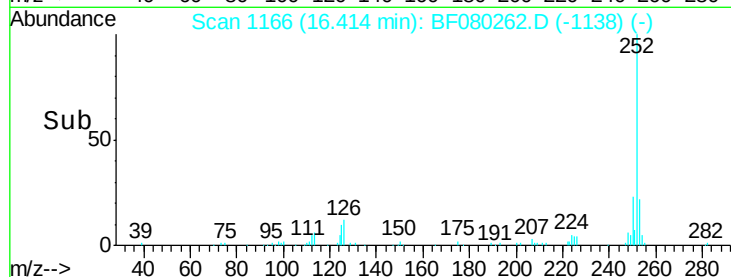
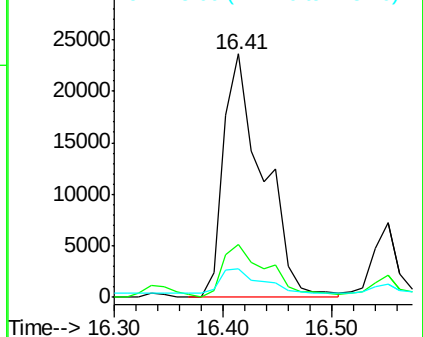
#87
Benzo(b)fluoranthene
Concen: 6.21 ng
RT: 16.41 min Scan# 1166
Delta R.T. 0.02 min
Lab File: BF080262.D
Acq: 1 Jul 2015 7:24

Instrument :
BNA_F
ClientSampleId :
TEC-B11

Tgt Ion:252 Resp: 59570
Ion Ratio Lower Upper
252 100
253 21.8 17.5 26.3
125 11.7 17.1 25.7#

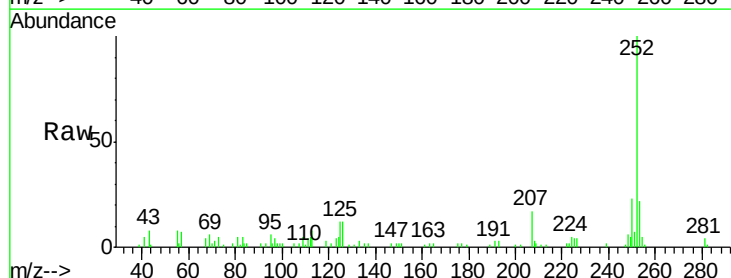


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

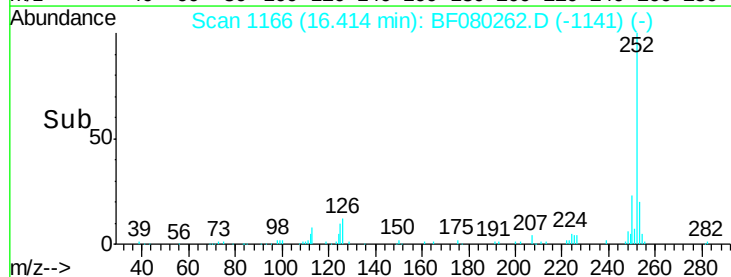
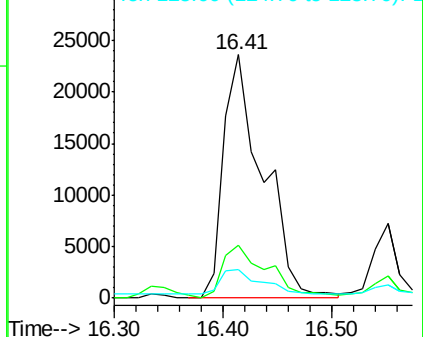


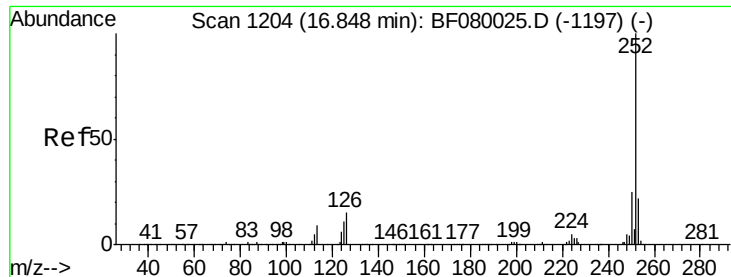
#88
Benzo(k)fluoranthene
Concen: 6.09 ng
RT: 16.41 min Scan# 1166
Delta R.T. -0.01 min
Lab File: BF080262.D
Acq: 1 Jul 2015 7:24

Tgt Ion:252 Resp: 59570
Ion Ratio Lower Upper
252 100
253 21.8 17.0 25.4
125 11.7 16.0 24.0#



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





#89

Benzo(a)pyrene

Concen: 3.77 ng

RT: 16.87 min Scan# 1206

Delta R.T. 0.02 min

Lab File: BF080262.D

Acq: 1 Jul 2015 7:24

Instrument :

BNA_F

ClientSampleId :

TEC-B11

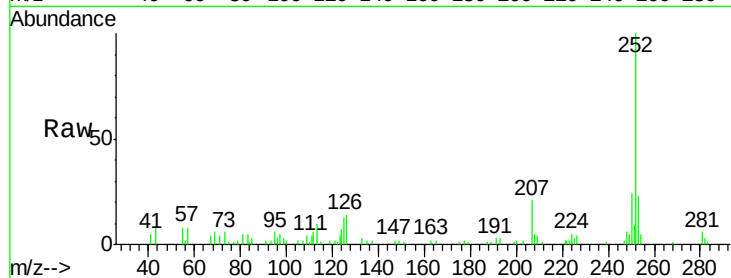
Tgt Ion: 252 Resp: 34331

Ion Ratio Lower Upper

252 100

253 23.3 17.2 25.8

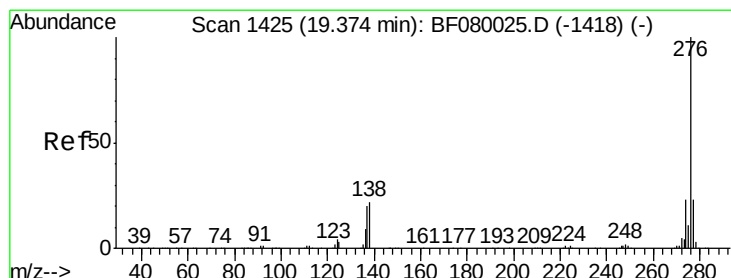
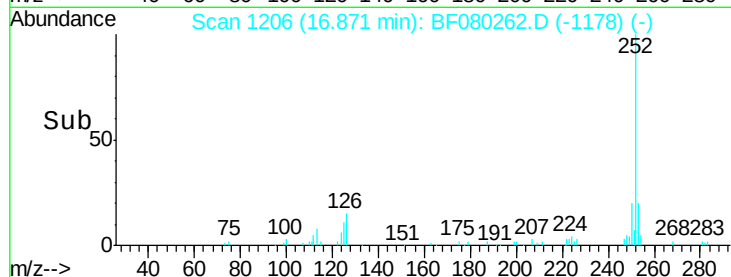
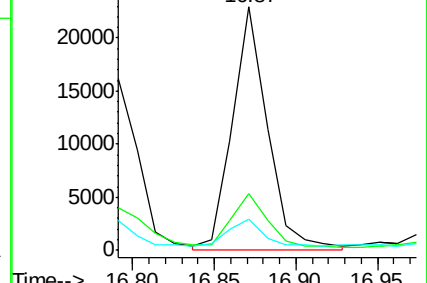
125 12.7 18.0 27.0#



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: 3.07 ng

RT: 19.35 min Scan# 1423

Delta R.T. -0.00 min

Lab File: BF080262.D

Acq: 1 Jul 2015 7:24

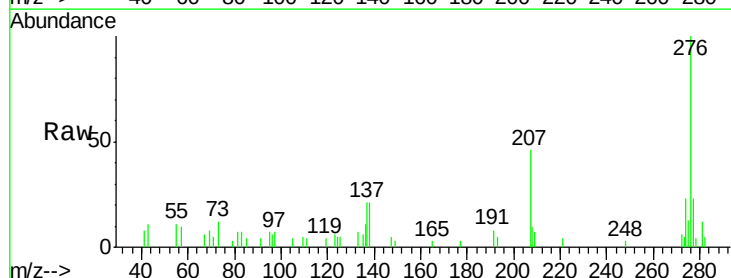
Tgt Ion: 276 Resp: 28901

Ion Ratio Lower Upper

276 100

277 22.6 17.8 26.6

138 21.1 34.6 51.8#



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

