

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110215\
 Data File : BF082640.D
 Acq On : 2 Nov 2015 19:36
 Operator : UM/IZ
 Sample : G4234-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DS-3

Quant Time: Nov 03 02:30:39 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 31 00:17:39 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	198700	20.00	ng	-0.02
21) Naphthalene-d8	8.18	136	690593	20.00	ng	-0.01
38) Acenaphthene-d10	9.93	164	309813	20.00	ng	-0.02
63) Phenanthrene-d10	11.41	188	550716	20.00	ng	-0.02
75) Chrysene-d12	14.05	240	423739	20.00	ng	-0.02
86) Perylene-d12	15.51	264	364847	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1803767	136.73	ng	0.00
7) Phenol-d6	6.52	99	2154021	122.90	ng	-0.01
23) Nitrobenzene-d5	7.45	82	1443855	85.38	ng	-0.02
41) 2,4,6-Tribromophenol	10.72	330	465757	137.37	ng	-0.02
44) 2-Fluorobiphenyl	9.25	172	1989754	91.19	ng	-0.02
78) Terphenyl-d14	13.00	244	1495588	77.24	ng	-0.02

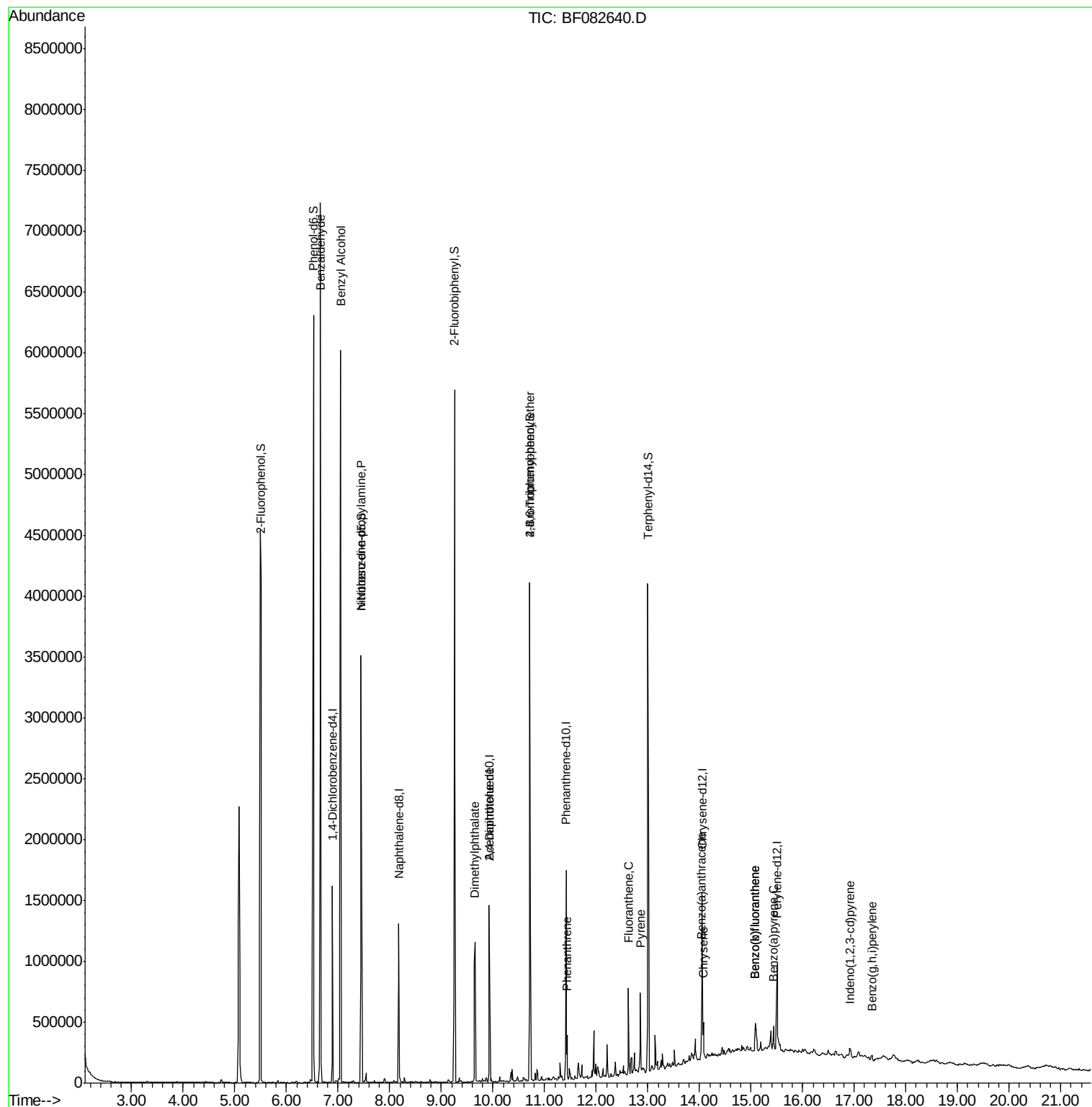
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.66	77	55729	4.66	ng	83
15) Benzyl Alcohol	7.05	79	33176	2.03	ng	# 57
19) n-Nitroso-di-n-propylamine	7.45	70	201080	15.13	ng	# 73
49) Dimethylphthalate	9.65	163	643674	25.44	ng	# 97
56) 2,4-Dinitrotoluene	9.93	165	40663	5.73	ng	# 15
66) 4-Bromophenyl-phenylether	10.72	248	30510	4.89	ng	# 1
70) Phenanthrene	11.44	178	121773	3.92	ng	95
74) Fluoranthene	12.63	202	258610	8.14	ng	97
77) Pyrene	12.85	202	255137	8.13	ng	96
80) Benzo(a)anthracene	14.04	228	154754	5.75	ng	99
82) Chrysene	14.08	228	99091	4.06	ng	98
85) Indeno(1,2,3-cd)pyrene	16.91	276	50276	2.50	ng	# 90
87) Benzo(b)fluoranthene	15.08	252	175499	6.98	ng	# 96
88) Benzo(k)fluoranthene	15.08	252	175499	9.16	ng	# 96
89) Benzo(a)pyrene	15.44	252	94332	4.76	ng	94
91) Benzo(g,h,i)perylene	17.35	276	49808	2.78	ng	99

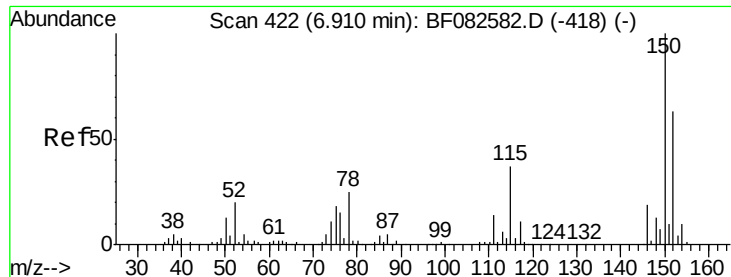
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.89 min Scan# 420

Delta R.T. -0.02 min

Lab File: BF082640.D

Acq: 2 Nov 2015 19:36

Instrument :

BNA_F

ClientSampled :

DS-3

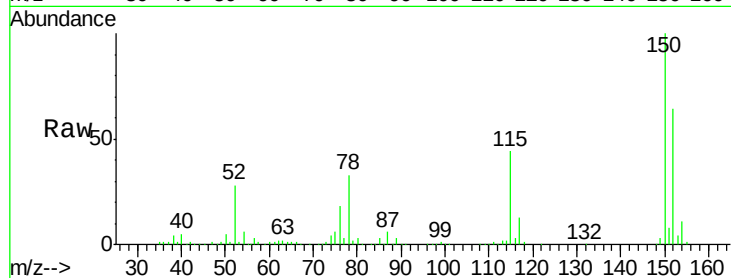
Tgt Ion:152 Resp: 198700

Ion Ratio Lower Upper

152 100

150 155.6 127.0 190.4

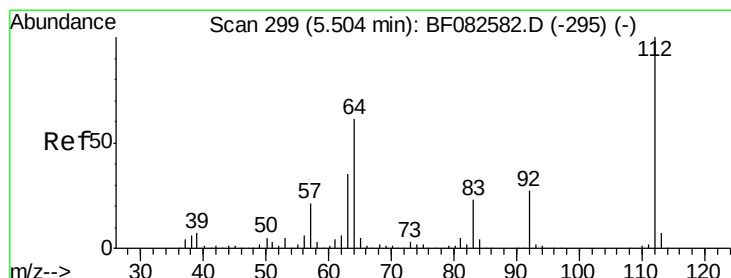
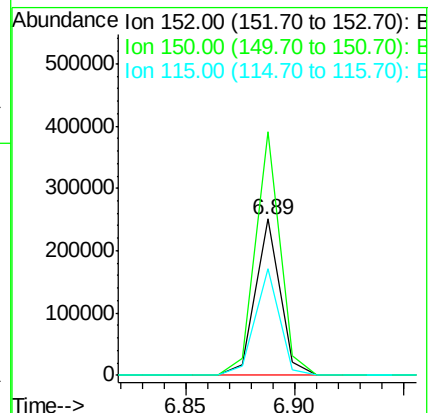
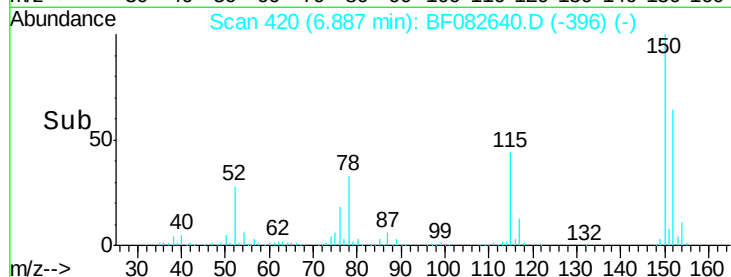
115 68.2 47.0 70.6



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: 136.73 ng

RT: 5.50 min Scan# 299

Delta R.T. 0.00 min

Lab File: BF082640.D

Acq: 2 Nov 2015 19:36

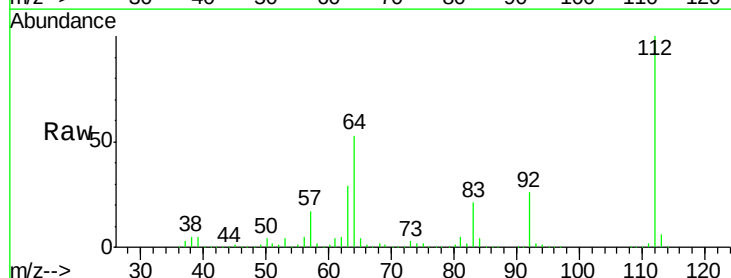
Tgt Ion:112 Resp: 1803767

Ion Ratio Lower Upper

112 100

64 52.9 48.9 73.3

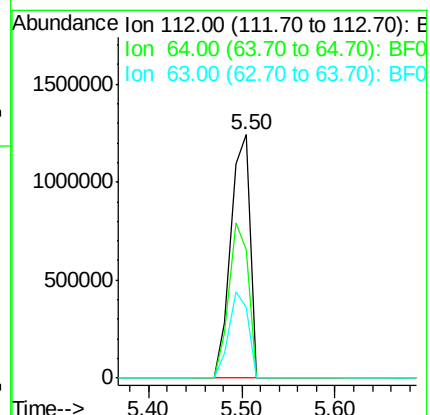
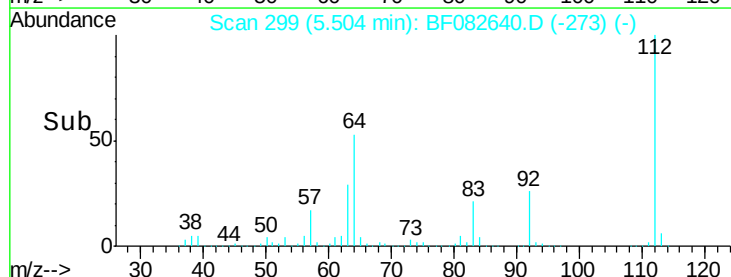
63 28.9 28.1 42.1

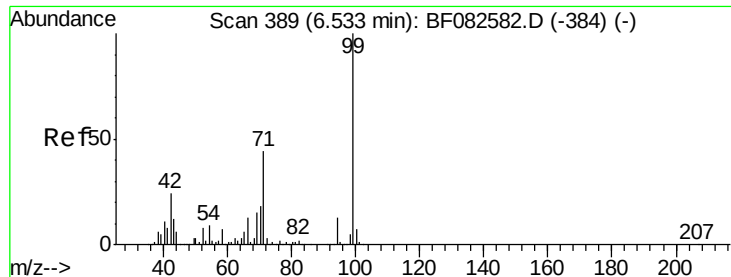


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 122.90 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.01 min

Lab File: BF082640.D

Acq: 2 Nov 2015 19:36

Instrument :

BNA_F

ClientSampleId :

DS-3

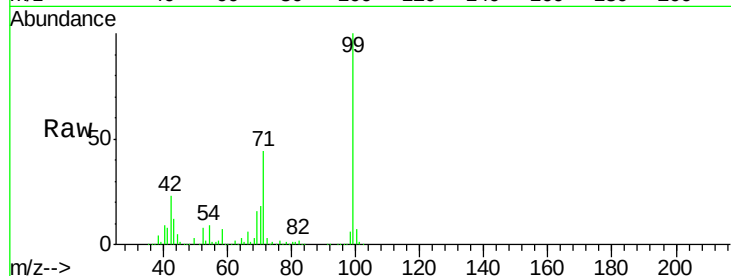
Tgt Ion: 99 Resp: 2154021

Ion Ratio Lower Upper

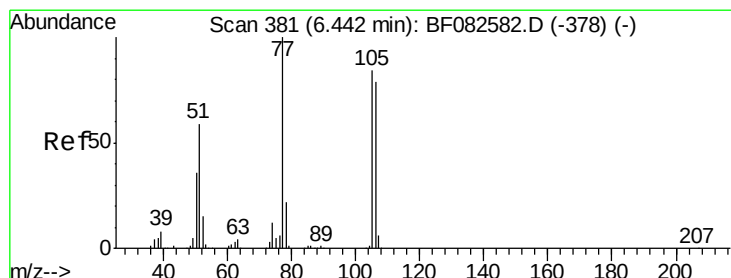
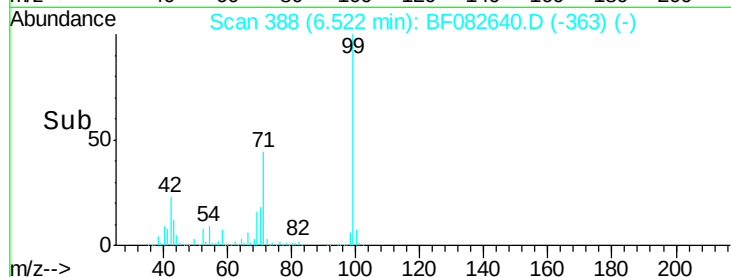
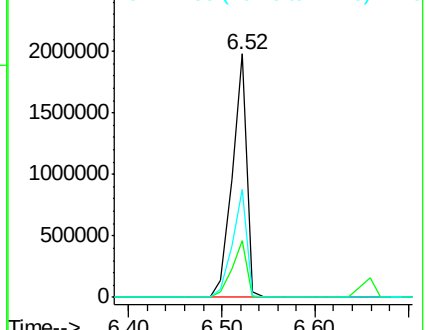
99 100

42 23.4 19.2 28.8

71 44.2 35.0 52.4



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 4.66 ng

RT: 6.66 min Scan# 400

Delta R.T. 0.22 min

Lab File: BF082640.D

Acq: 2 Nov 2015 19:36

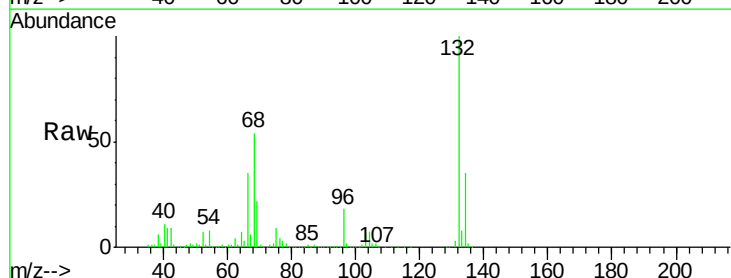
Tgt Ion: 77 Resp: 55729

Ion Ratio Lower Upper

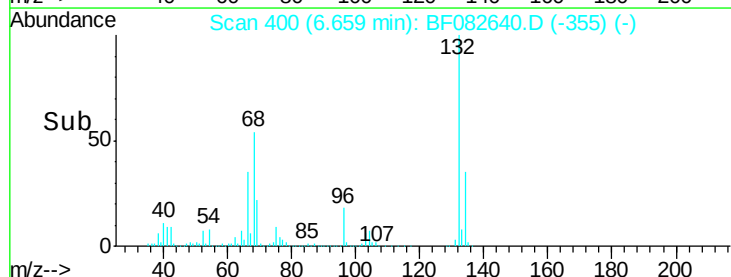
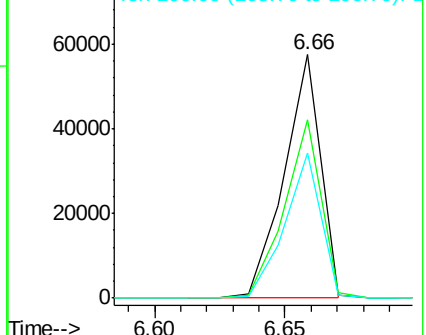
77 100

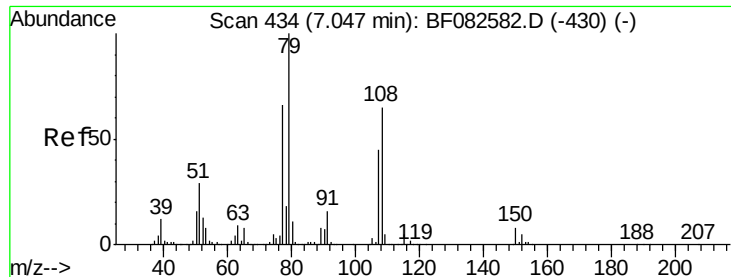
105 73.3 63.5 103.5

106 59.4 59.3 99.3



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.03 ng

RT: 7.05 min Scan# 434

Delta R.T. 0.00 min

Lab File: BF082640.D

Acq: 2 Nov 2015 19:36

Instrument :

BNA_F

ClientSampleId :

DS-3

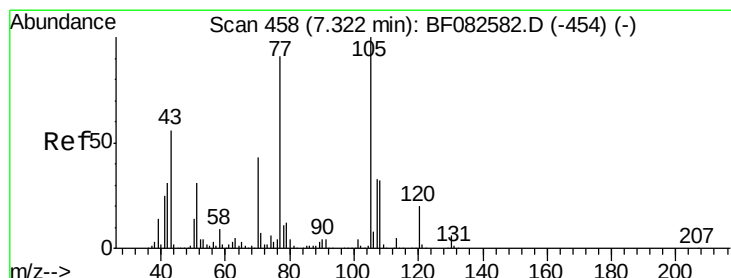
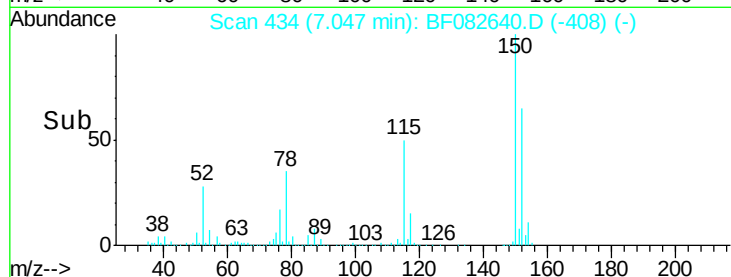
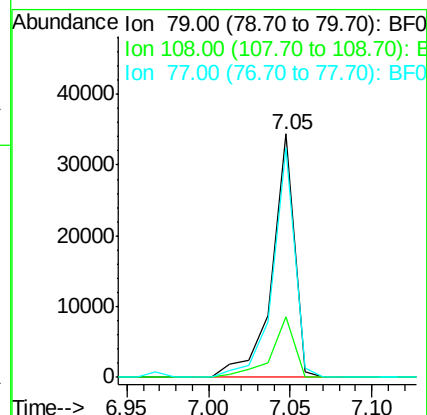
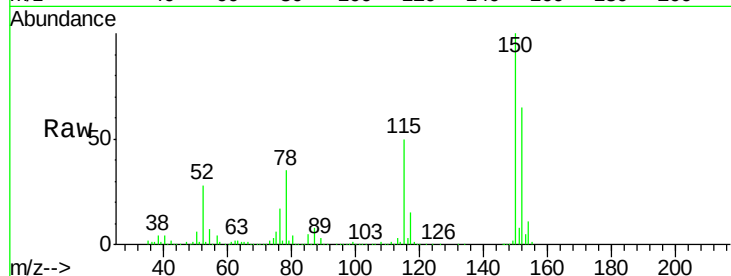
Tgt Ion: 79 Resp: 33176

Ion Ratio Lower Upper

79 100

108 25.1 52.2 78.4#

77 94.4 52.7 79.1#



#19

n-Nitroso-di-n-propylamine

Concen: 15.13 ng

RT: 7.45 min Scan# 469

Delta R.T. 0.13 min

Lab File: BF082640.D

Acq: 2 Nov 2015 19:36

Tgt Ion: 70 Resp: 201080

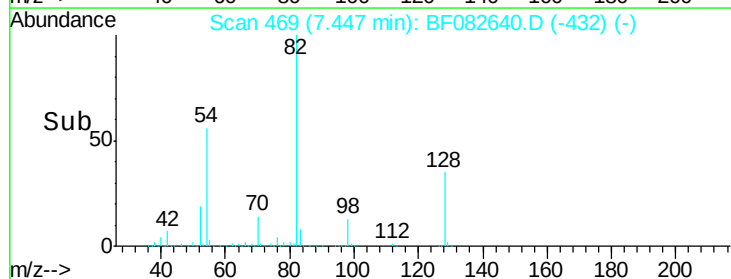
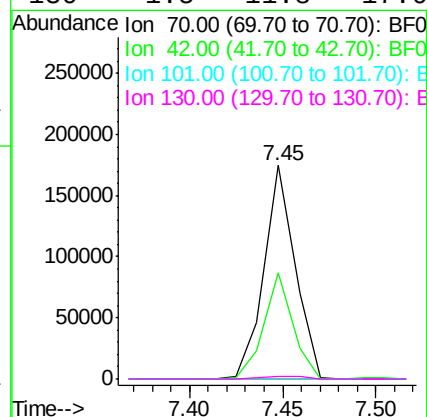
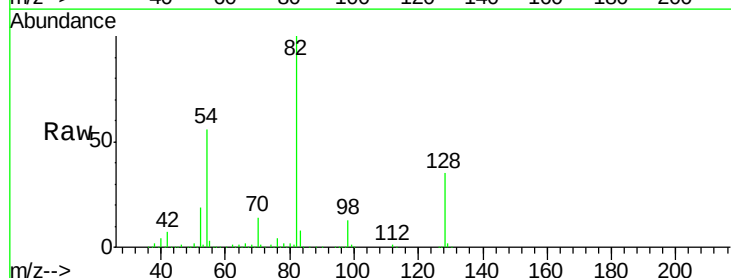
Ion Ratio Lower Upper

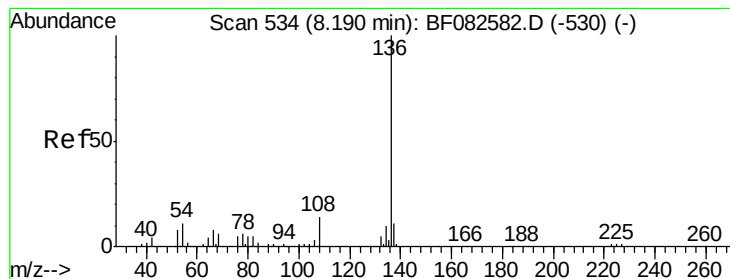
70 100

42 50.0 57.7 86.5#

101 0.0 7.0 10.6#

130 1.5 11.8 17.6#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.18 min Scan# 533

Delta R.T. -0.01 min

Lab File: BF082640.D

Acq: 2 Nov 2015 19:36

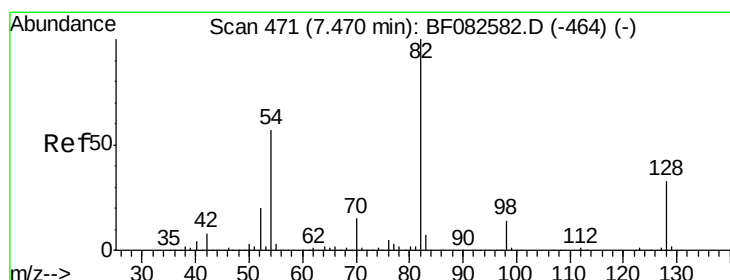
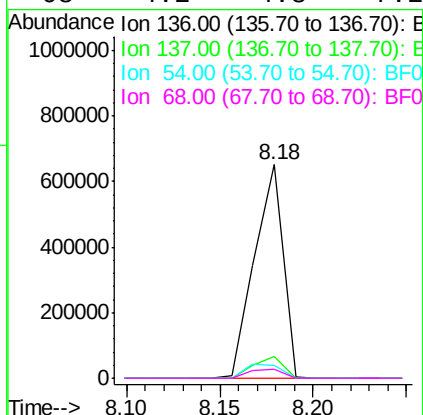
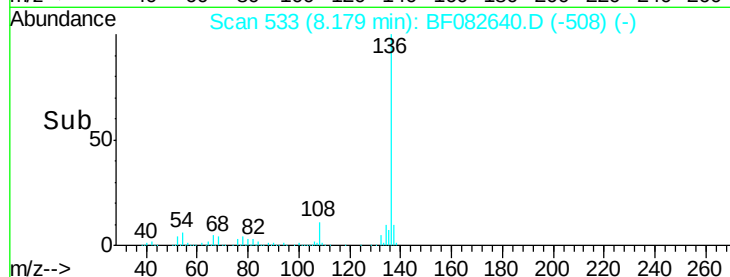
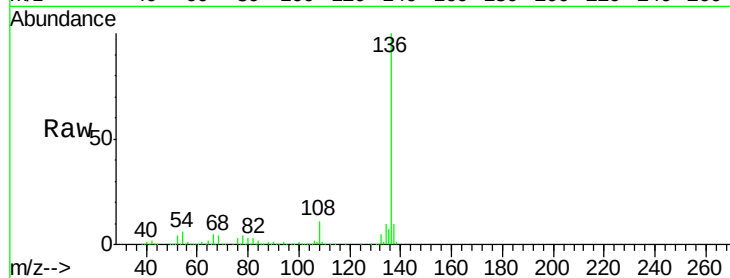
Instrument :

BNA_F

ClientSampleId :

DS-3

Tgt Ion:	136	Resp:	690593
Ion	Ratio	Lower	Upper
136	100		
137	10.2	9.1	13.7
54	6.0	9.1	13.7#
68	4.2	4.8	7.2#



#23

Nitrobenzene-d5

Concen: 85.38 ng

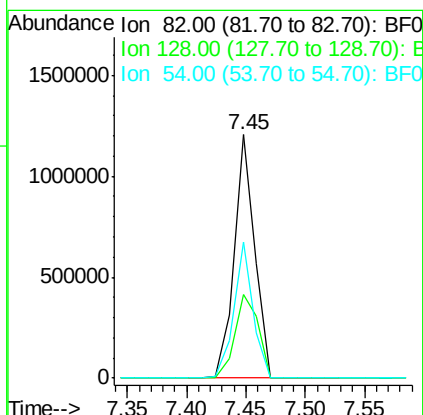
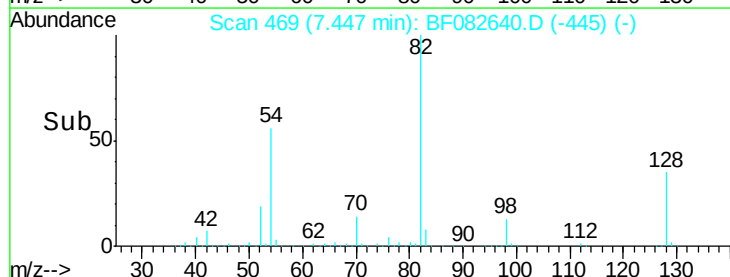
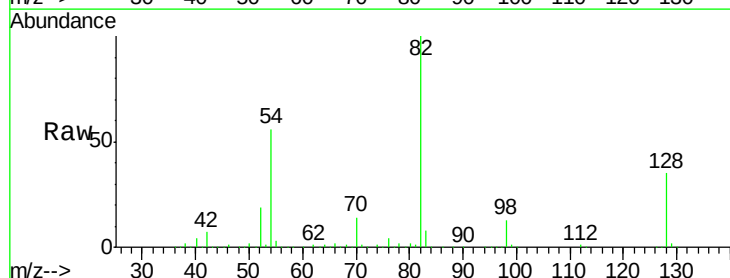
RT: 7.45 min Scan# 469

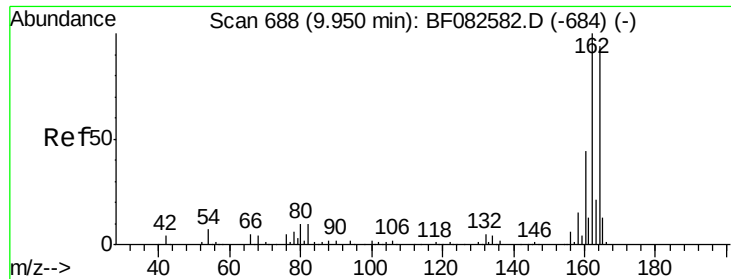
Delta R.T. -0.02 min

Lab File: BF082640.D

Acq: 2 Nov 2015 19:36

Tgt Ion:	82	Resp:	1443855
Ion	Ratio	Lower	Upper
82	100		
128	34.5	26.8	40.2
54	56.1	45.7	68.5





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.93 min Scan# 686

Delta R.T. -0.02 min

Lab File: BF082640.D

Acq: 2 Nov 2015 19:36

Instrument :

BNA_F

ClientSampleId :

DS-3

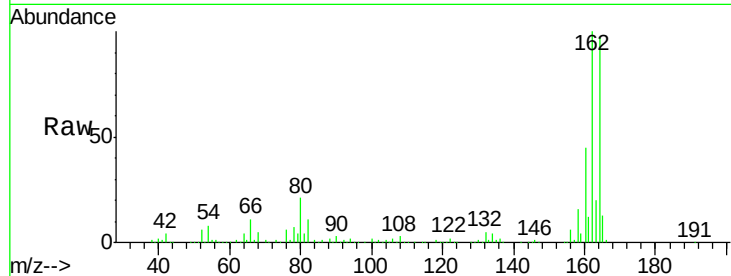
Tgt Ion:164 Resp: 309813

Ion Ratio Lower Upper

164 100

162 102.6 84.9 127.3

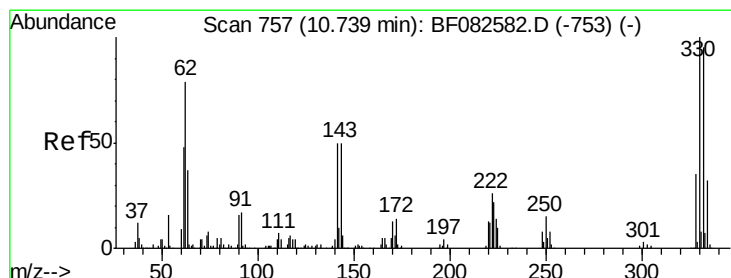
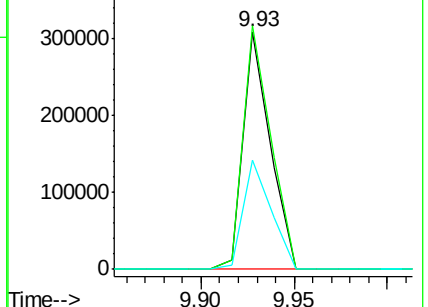
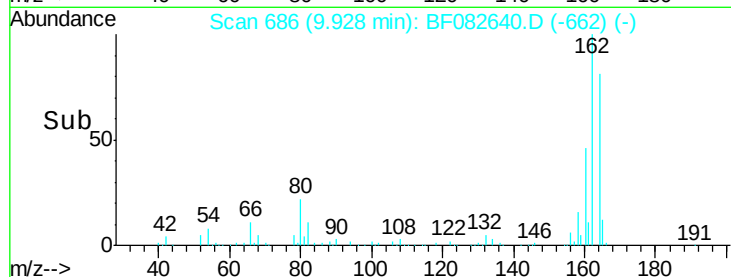
160 46.3 37.5 56.3



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: 137.37 ng

RT: 10.72 min Scan# 755

Delta R.T. -0.02 min

Lab File: BF082640.D

Acq: 2 Nov 2015 19:36

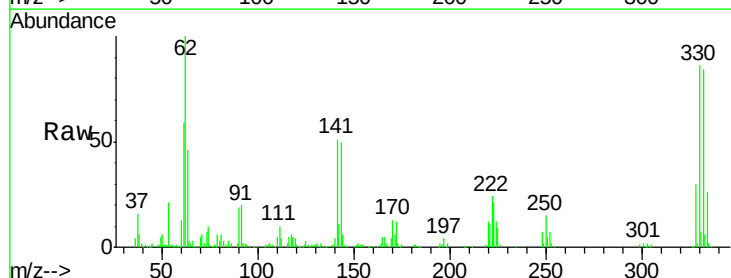
Tgt Ion:330 Resp: 465757

Ion Ratio Lower Upper

330 100

332 97.2 76.6 114.8

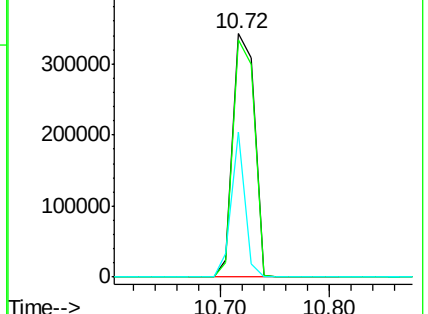
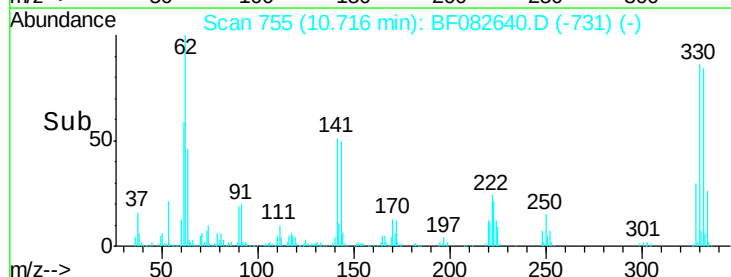
141 38.0 41.2 61.8#

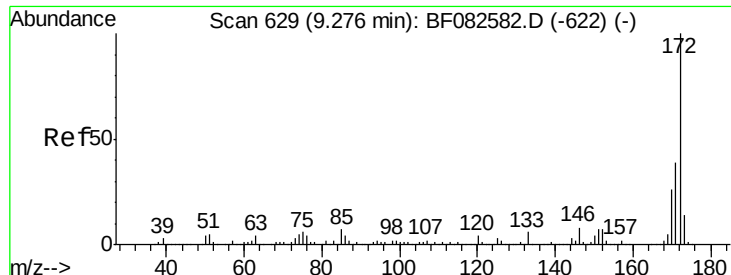


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

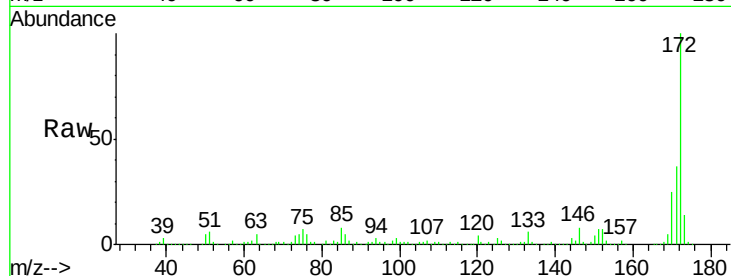




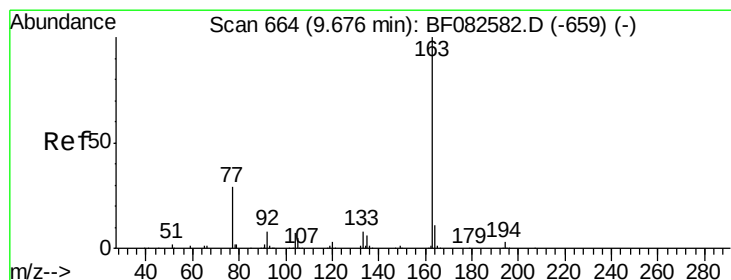
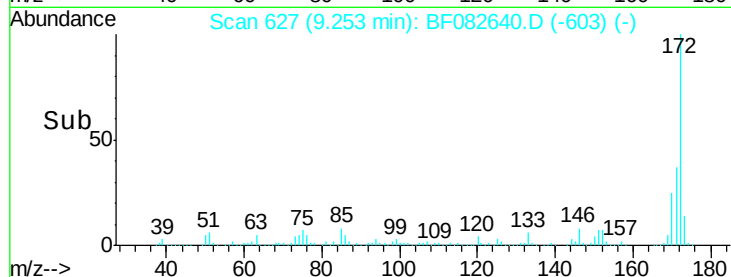
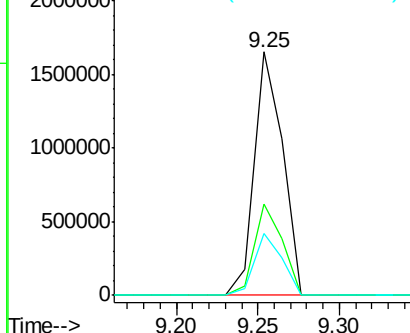
#44
2-Fluorobiphenyl
Concen: 91.19 ng
RT: 9.25 min Scan# 627
Delta R.T. -0.02 min
Lab File: BF082640.D
Acq: 2 Nov 2015 19:36

Instrument :
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Tgt Ion:172 Resp: 1989754
Ion Ratio Lower Upper
172 100
171 37.3 30.8 46.2
170 25.4 21.2 31.8

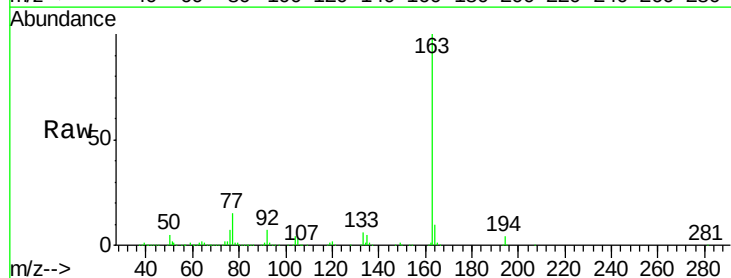


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

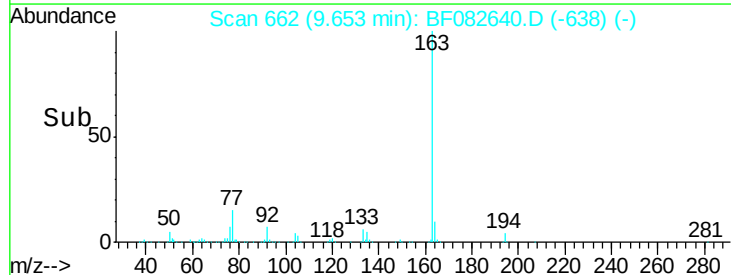
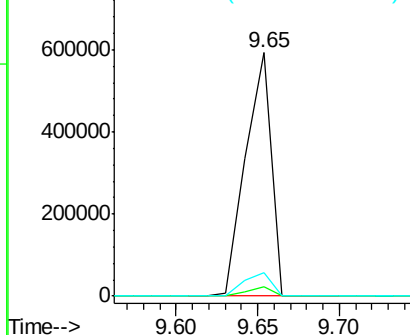


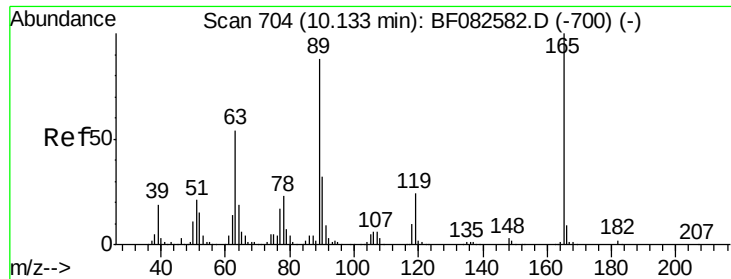
#49
Dimethylphthalate
Concen: 25.44 ng
RT: 9.65 min Scan# 662
Delta R.T. -0.02 min
Lab File: BF082640.D
Acq: 2 Nov 2015 19:36

Tgt Ion:163 Resp: 643674
Ion Ratio Lower Upper
163 100
194 4.0 2.6 4.0#
164 9.6 8.7 13.1



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

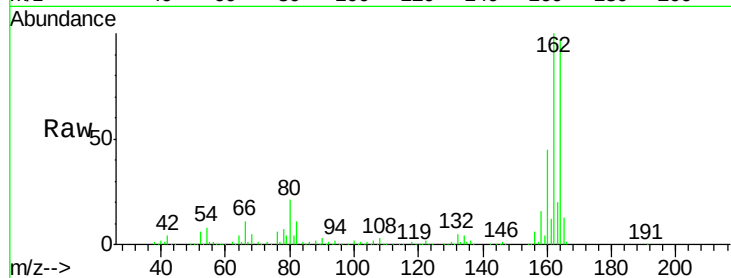




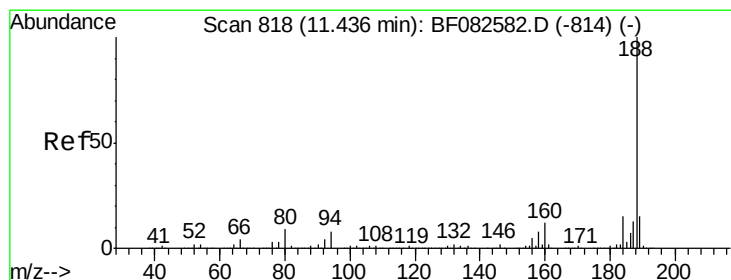
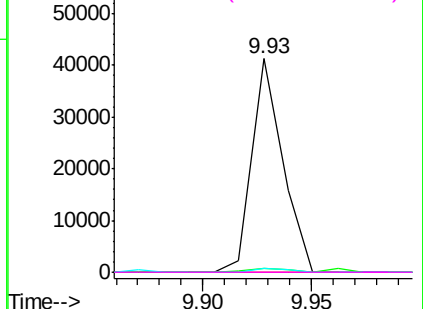
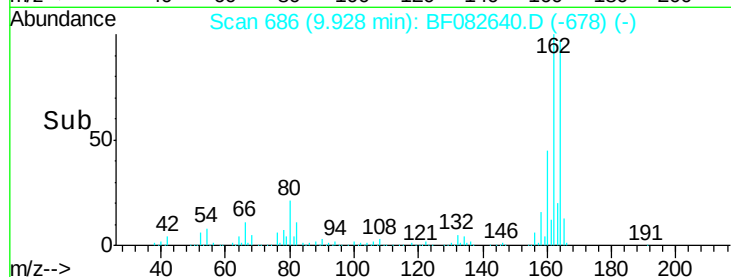
#56
 2,4-Dinitrotoluene
 Concen: 5.73 ng
 RT: 9.93 min Scan# 686
 Delta R.T. -0.21 min
 Lab File: BF082640.D
 Acq: 2 Nov 2015 19:36

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion:165 Resp: 40663
 Ion Ratio Lower Upper
 165 100
 63 1.5 43.4 65.0#
 89 1.5 70.6 106.0#
 182 0.0 1.5 2.3#

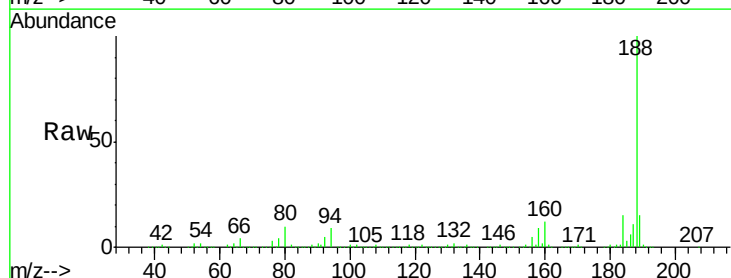


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

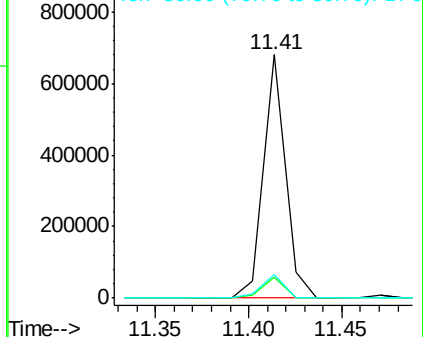
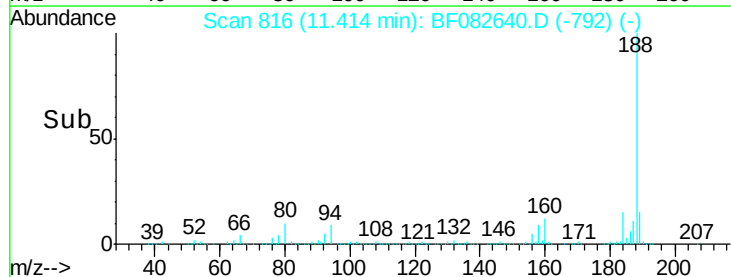


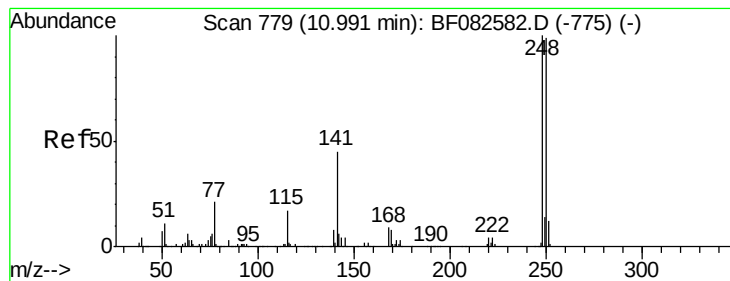
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.41 min Scan# 816
 Delta R.T. -0.02 min
 Lab File: BF082640.D
 Acq: 2 Nov 2015 19:36

Tgt Ion:188 Resp: 550716
 Ion Ratio Lower Upper
 188 100
 94 8.7 6.1 9.1
 80 9.6 7.0 10.6



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: 4.89 ng

RT: 10.72 min Scan# 755

Delta R.T. -0.27 min

Lab File: BF082640.D

Acq: 2 Nov 2015 19:36

Instrument :

BNA_F

ClientSampled :

DS-3

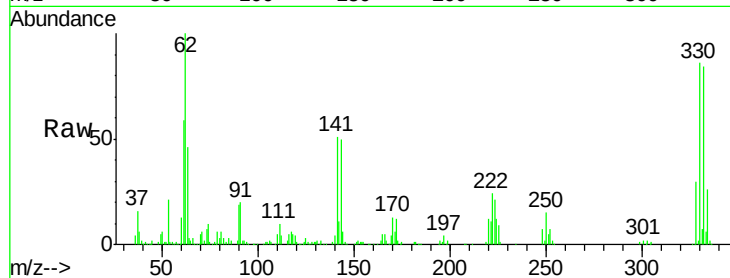
Tgt Ion:248 Resp: 30510

Ion Ratio Lower Upper

248 100

250 198.5 79.4 119.2#

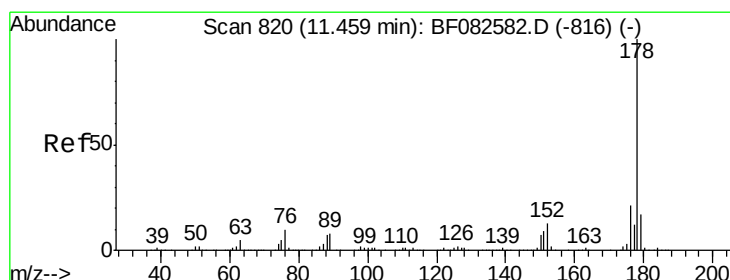
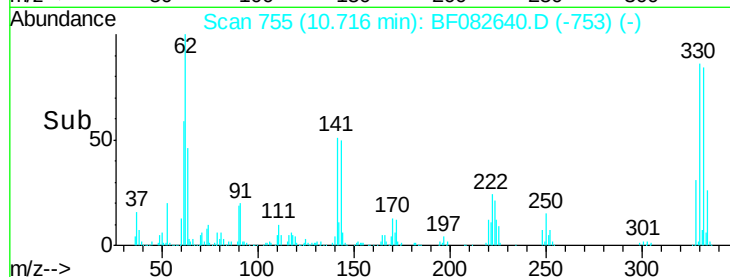
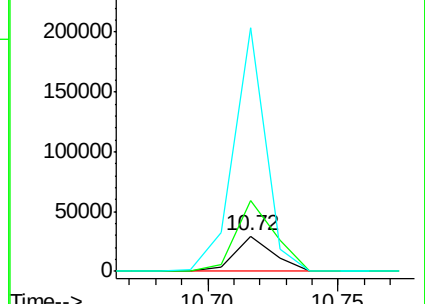
141 684.5 36.3 54.5#



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: 3.92 ng

RT: 11.44 min Scan# 818

Delta R.T. -0.02 min

Lab File: BF082640.D

Acq: 2 Nov 2015 19:36

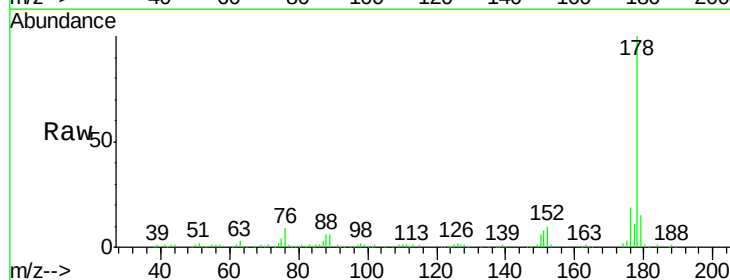
Tgt Ion:178 Resp: 121773

Ion Ratio Lower Upper

178 100

176 19.2 17.0 25.4

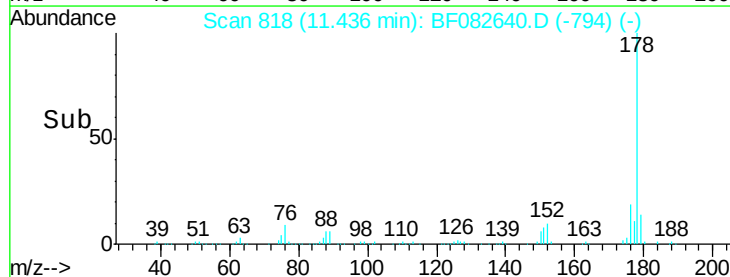
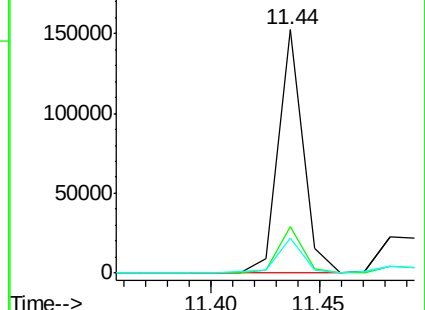
179 14.6 13.4 20.0

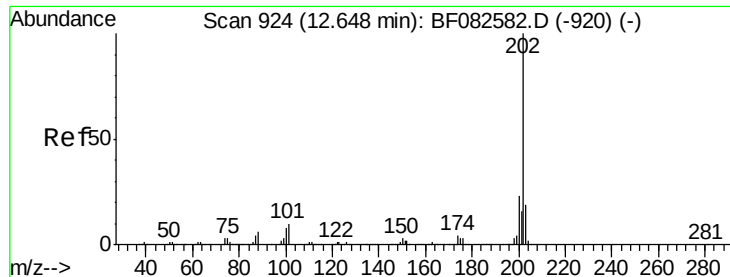


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 8.14 ng

RT: 12.63 min Scan# 922

Delta R.T. -0.02 min

Lab File: BF082640.D

Acq: 2 Nov 2015 19:36

Instrument :

BNA_F

ClientSampleId :

DS-3

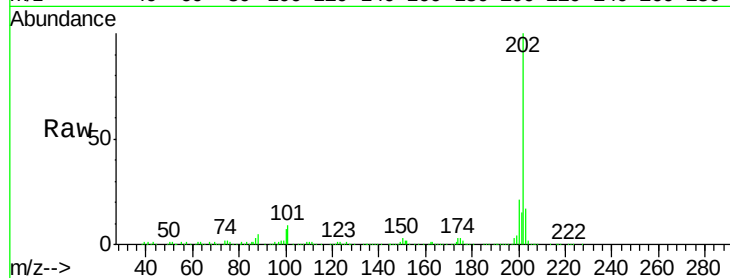
Tgt Ion:202 Resp: 258610

Ion Ratio Lower Upper

202 100

101 8.8 0.0 30.5

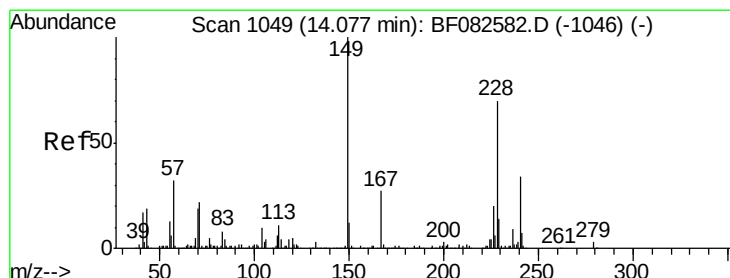
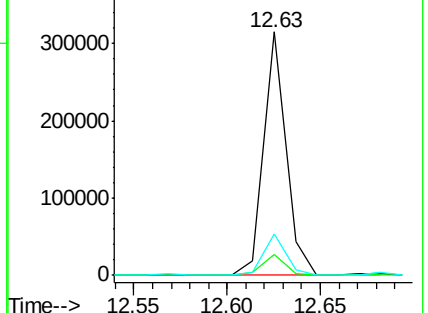
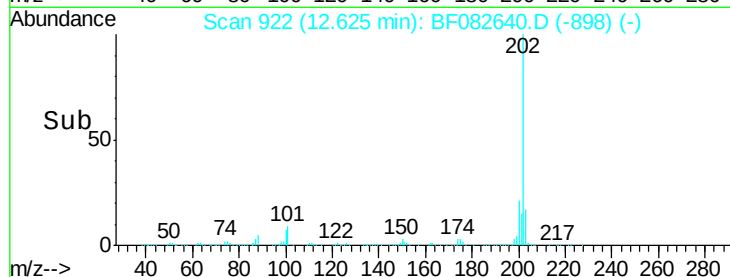
203 17.2 0.0 38.5



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: 14.05 min Scan# 1047

Delta R.T. -0.02 min

Lab File: BF082640.D

Acq: 2 Nov 2015 19:36

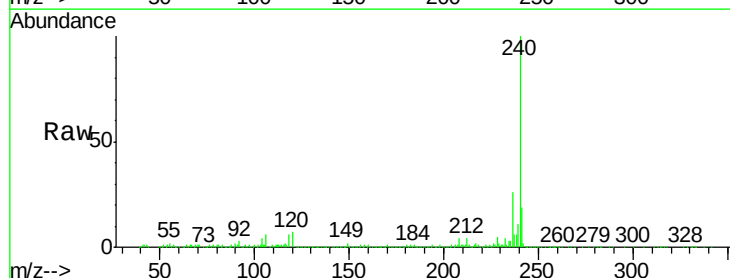
Tgt Ion:240 Resp: 423739

Ion Ratio Lower Upper

240 100

120 7.3 10.9 16.3#

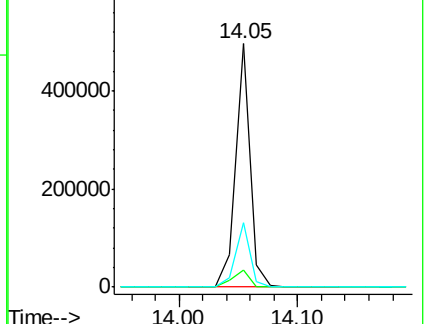
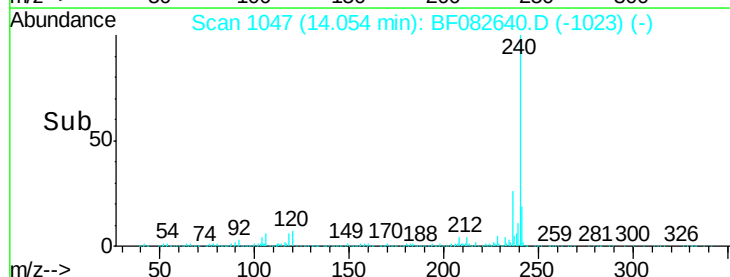
236 26.5 21.6 32.4

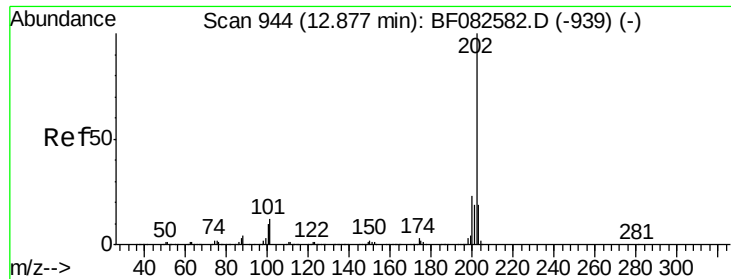


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

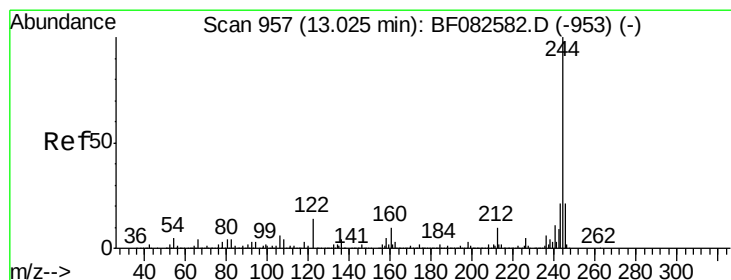
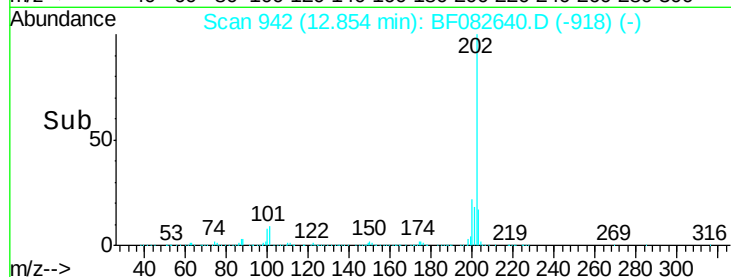
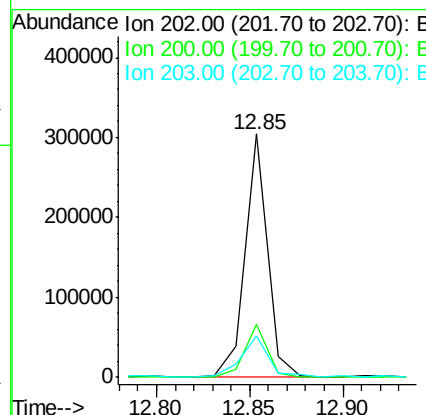
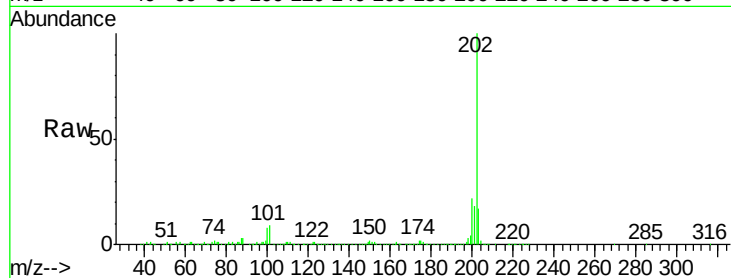




#77
 Pyrene
 Concen: 8.13 ng
 RT: 12.85 min Scan# 942
 Delta R.T. -0.02 min
 Lab File: BF082640.D
 Acq: 2 Nov 2015 19:36

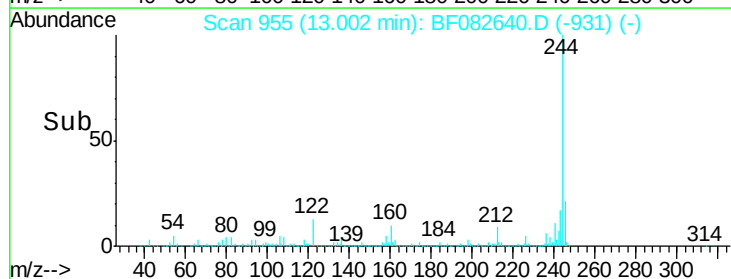
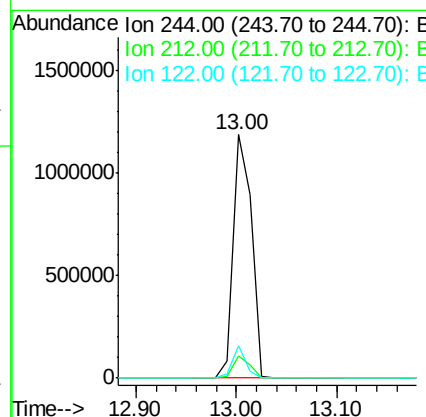
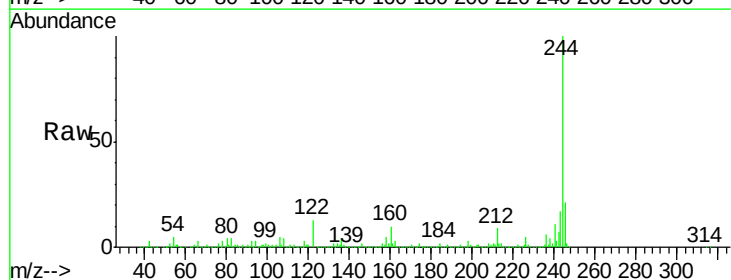
Instrument :
 BNA_F
 ClientSampleId :
 DS-3

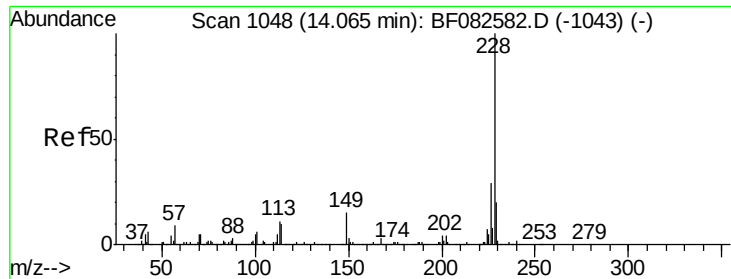
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.5	18.7	28.1
203	17.1	14.8	22.2



#78
 Terphenyl-d14
 Concen: 77.24 ng
 RT: 13.00 min Scan# 955
 Delta R.T. -0.02 min
 Lab File: BF082640.D
 Acq: 2 Nov 2015 19:36

Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.1	7.6	11.4
122	13.4	11.3	16.9

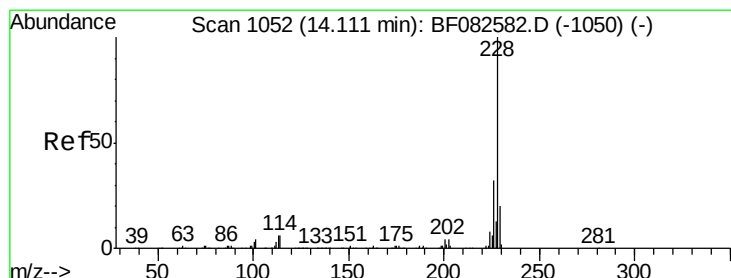
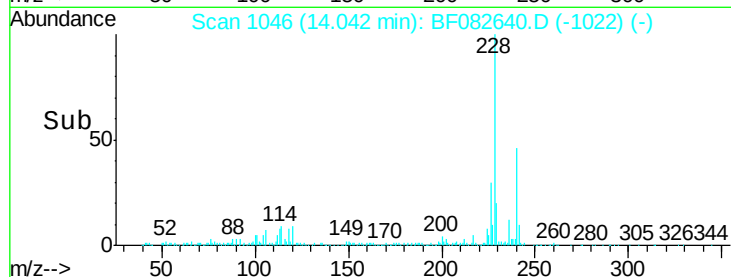
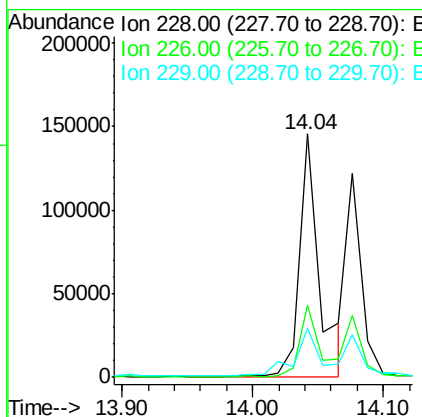
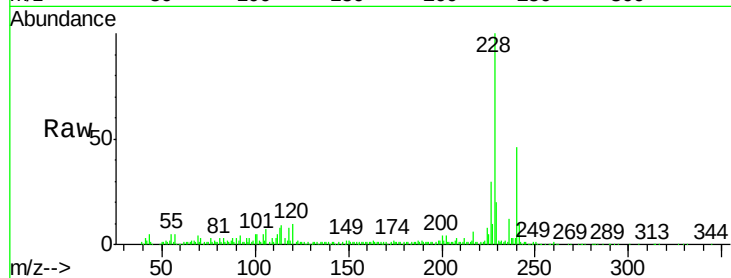




#80
Benzo(a)anthracene
Concen: 5.75 ng
RT: 14.04 min Scan# 1046
Delta R.T. -0.02 min
Lab File: BF082640.D
Acq: 2 Nov 2015 19:36

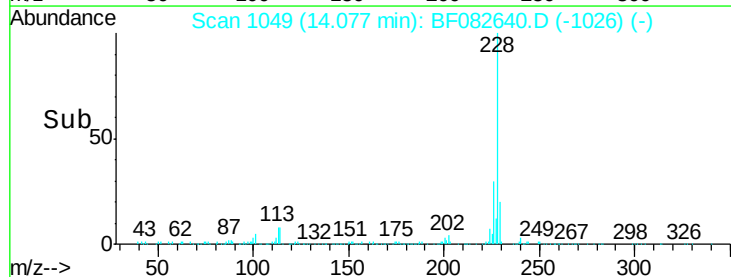
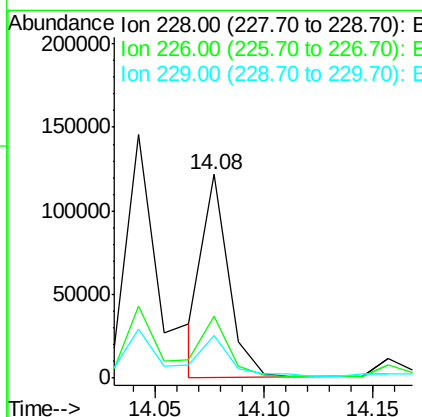
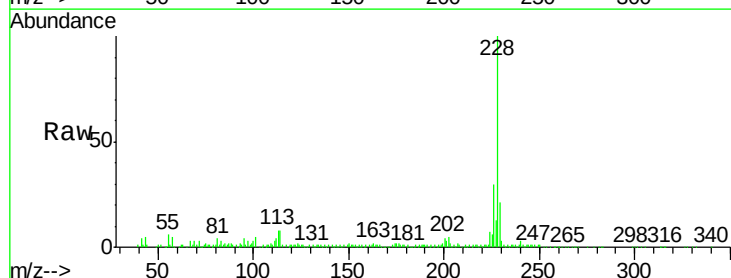
Instrument :
BNA_F
ClientSampleId :
DS-3

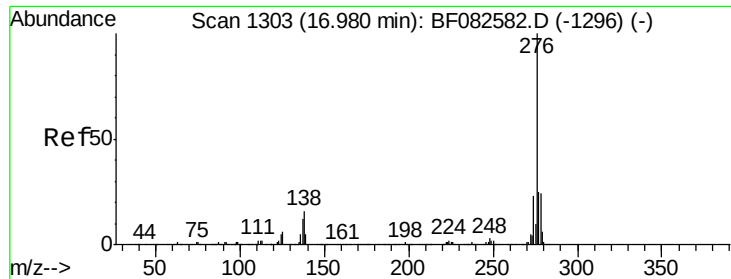
Tgt Ion:228 Resp: 154754
Ion Ratio Lower Upper
228 100
226 29.8 23.4 35.2
229 20.0 16.3 24.5



#82
Chrysene
Concen: 4.06 ng
RT: 14.08 min Scan# 1049
Delta R.T. -0.03 min
Lab File: BF082640.D
Acq: 2 Nov 2015 19:36

Tgt Ion:228 Resp: 99091
Ion Ratio Lower Upper
228 100
226 30.2 25.5 38.3
229 21.0 16.3 24.5

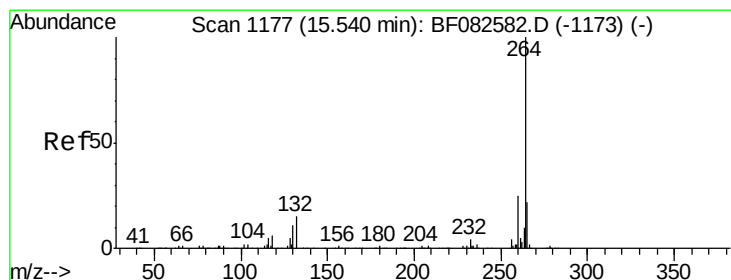
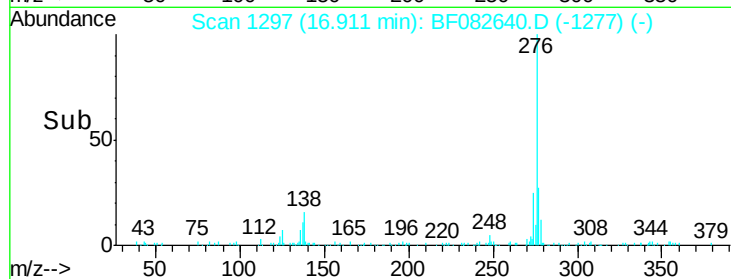
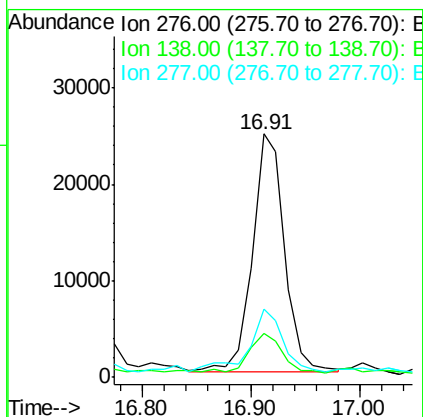
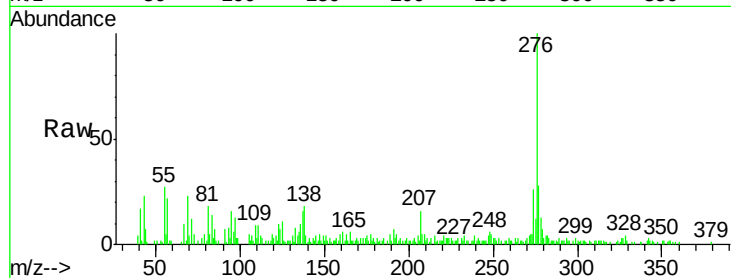




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.50 ng
 RT: 16.91 min Scan# 1297
 Delta R.T. -0.07 min
 Lab File: BF082640.D
 Acq: 2 Nov 2015 19:36

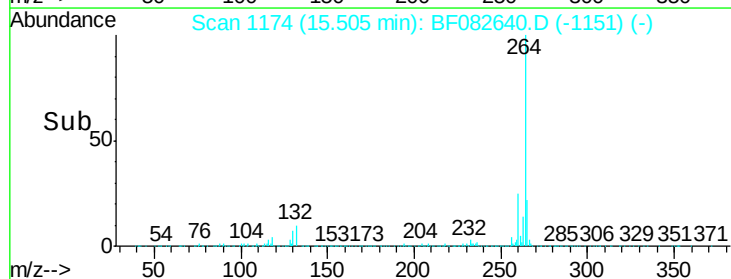
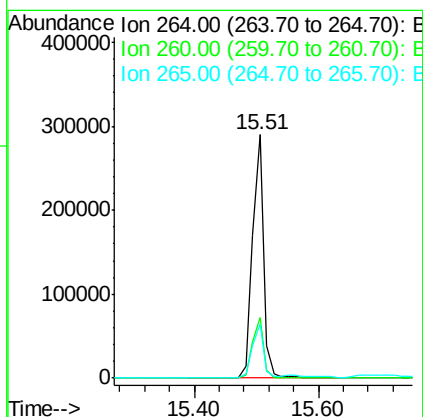
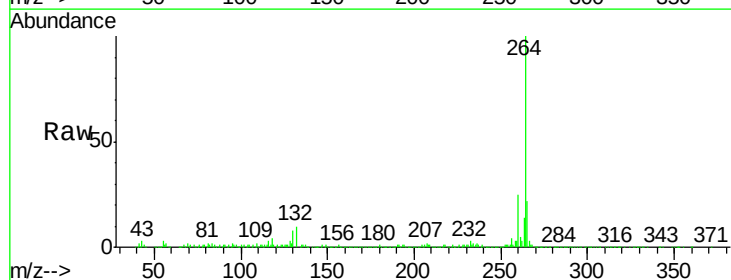
Instrument :
 BNA_F
 ClientSampleId :
 DS-3

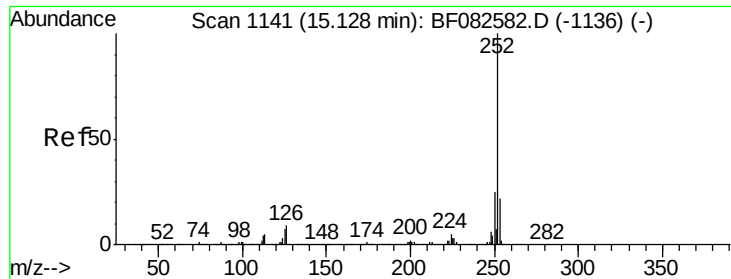
Tgt Ion: 276 Resp: 50276
 Ion Ratio Lower Upper
 276 100
 138 17.1 15.3 22.9
 277 32.1 20.2 30.4#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.51 min Scan# 1174
 Delta R.T. -0.03 min
 Lab File: BF082640.D
 Acq: 2 Nov 2015 19:36

Tgt Ion: 264 Resp: 364847
 Ion Ratio Lower Upper
 264 100
 260 25.0 19.8 29.6
 265 22.4 17.4 26.0

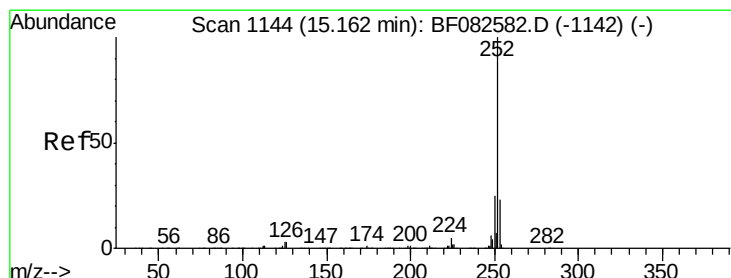
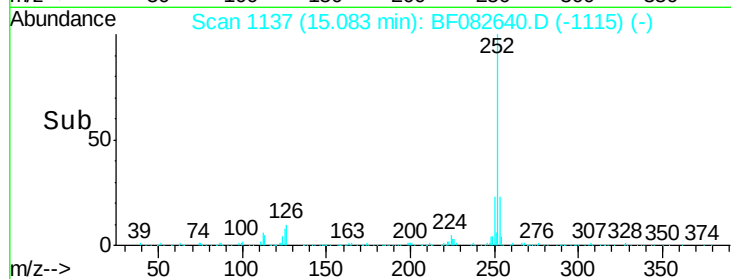
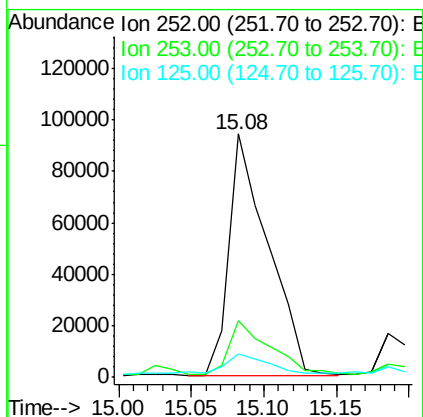
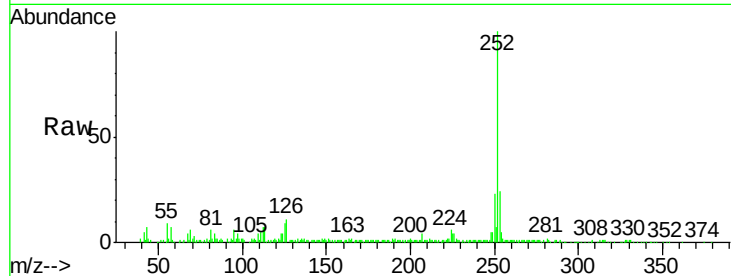




#87
Benzo(b)fluoranthene
Concen: 6.98 ng
RT: 15.08 min Scan# 1137
Delta R.T. -0.05 min
Lab File: BF082640.D
Acq: 2 Nov 2015 19:36

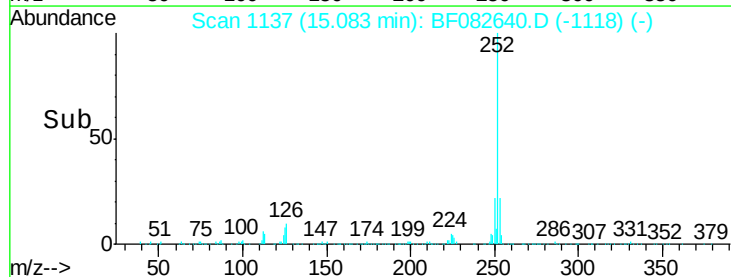
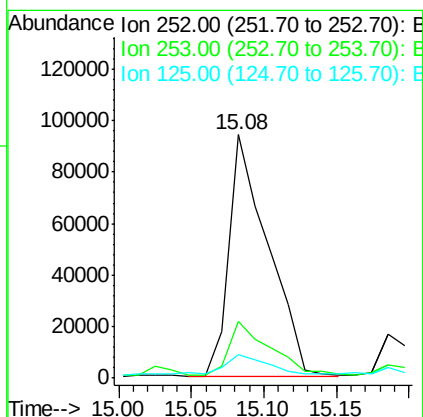
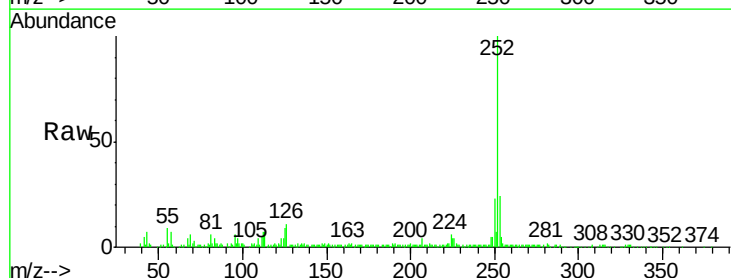
Instrument :
BNA_F
ClientSampleId :
DS-3

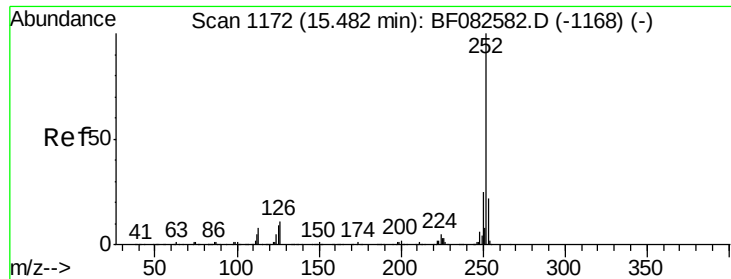
Tgt Ion:252 Resp: 175499
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 9.4 5.4 8.2#



#88
Benzo(k)fluoranthene
Concen: 9.16 ng
RT: 15.08 min Scan# 1137
Delta R.T. -0.08 min
Lab File: BF082640.D
Acq: 2 Nov 2015 19:36

Tgt Ion:252 Resp: 175499
Ion Ratio Lower Upper
252 100
253 23.5 17.9 26.9
125 9.4 3.5 5.3#





#89

Benzo(a)pyrene

Concen: 4.76 ng

RT: 15.44 min Scan# 1168

Delta R.T. -0.05 min

Lab File: BF082640.D

Acq: 2 Nov 2015 19:36

Instrument :

BNA_F

ClientSampleId :

DS-3

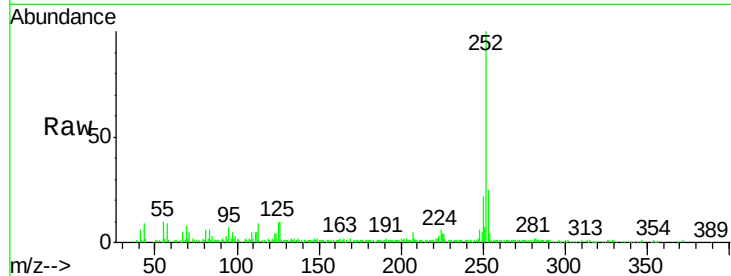
Tgt Ion:252 Resp: 94332

Ion Ratio Lower Upper

252 100

253 24.8 17.3 25.9

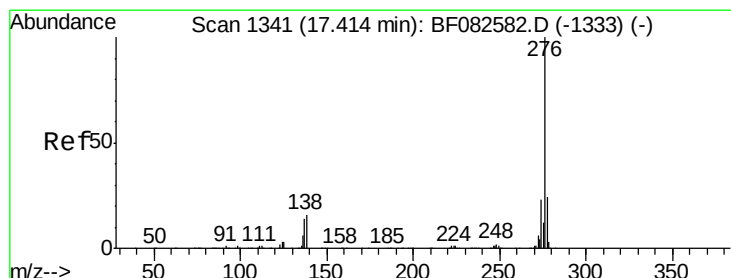
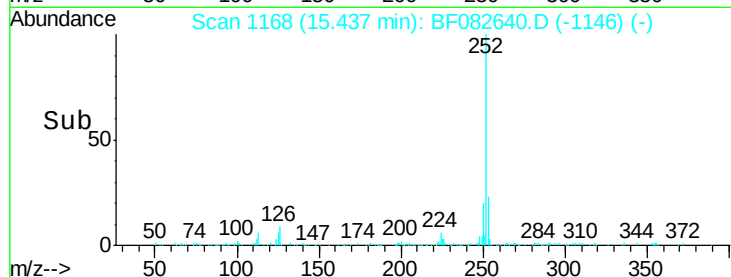
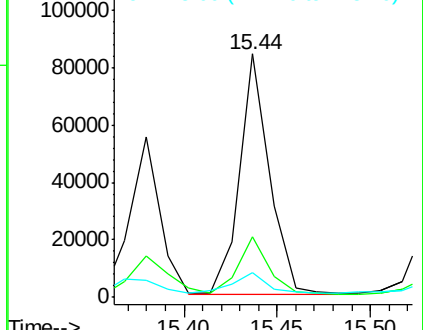
125 10.0 7.1 10.7



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: 2.78 ng

RT: 17.35 min Scan# 1335

Delta R.T. -0.07 min

Lab File: BF082640.D

Acq: 2 Nov 2015 19:36

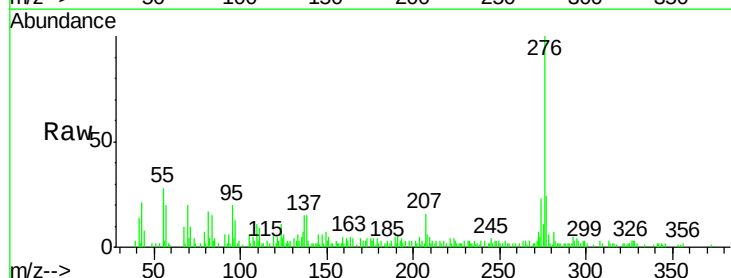
Tgt Ion:276 Resp: 49808

Ion Ratio Lower Upper

276 100

277 23.7 19.2 28.8

138 15.4 13.1 19.7



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

