

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102615\
 Data File : BF082531.D
 Acq On : 27 Oct 2015 5:06
 Operator : UM/IZ
 Sample : G4116-05RE
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB3-03(0-2)

Quant Time: Oct 27 06:24:45 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 27 02:43:58 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	96063	20.00	ng	-0.01
21) Naphthalene-d8	8.01	136	372314	20.00	ng	-0.01
38) Acenaphthene-d10	9.77	164	187438	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	330297	20.00	ng	0.00
75) Chrysene-d12	13.91	240	219541	20.00	ng	0.00
86) Perylene-d12	15.35	264	214002	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	609109	125.17	ng	0.01
7) Phenol-d6	6.39	99	820179	129.32	ng	0.01
23) Nitrobenzene-d5	7.30	82	523092	90.64	ng	0.00
41) 2,4,6-Tribromophenol	10.57	330	172046	122.58	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	974906	82.71	ng	0.00
78) Terphenyl-d14	12.85	244	753253	98.85	ng	0.00

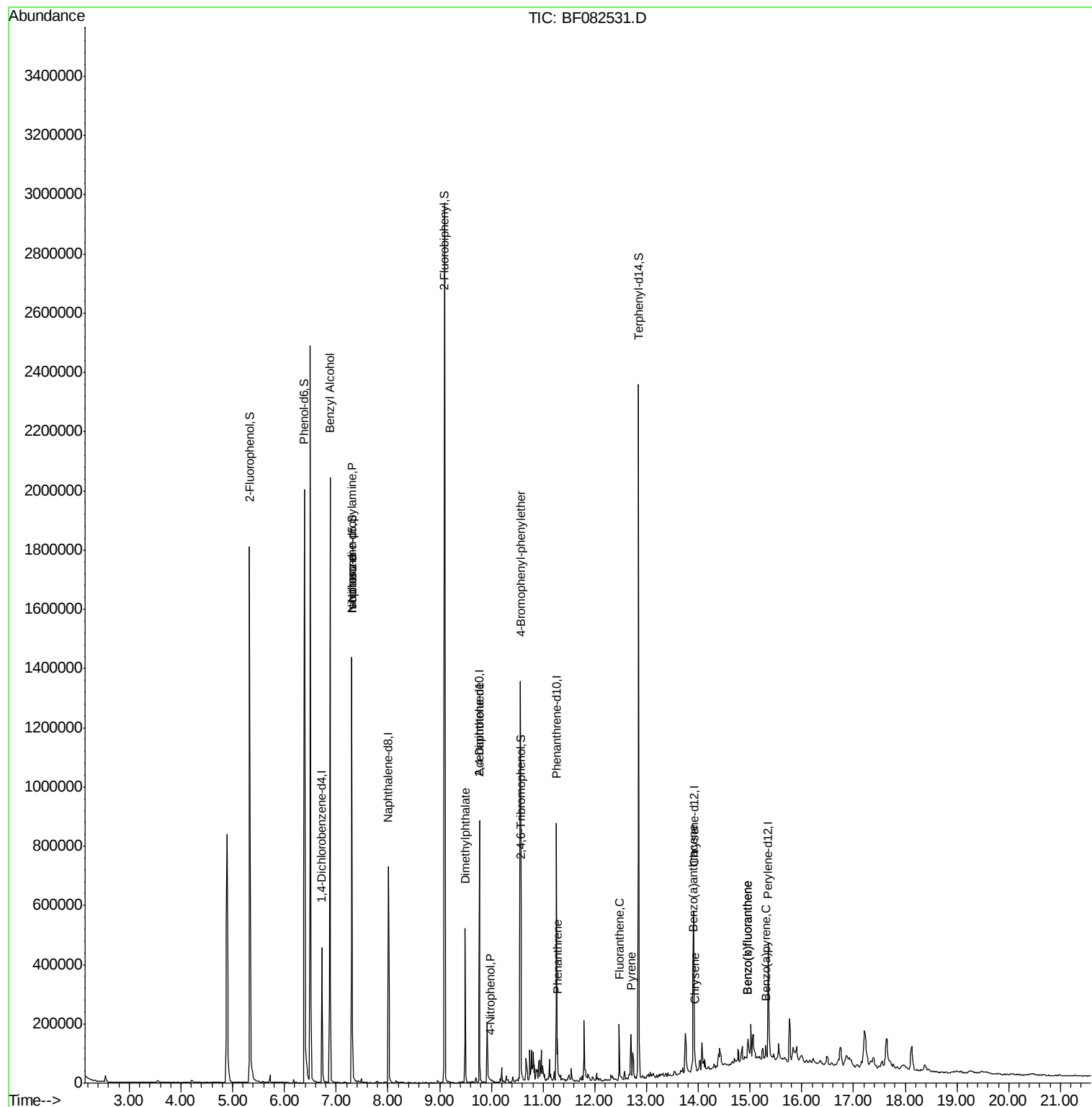
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.39	77	1516	Below Cal	#	3
15) Benzyl Alcohol	6.88	79	8950	2.03	ng	56
19) n-Nitroso-di-n-propylamine	7.30	70	69477	16.81	ng	78
25) Isophorone	7.30	82	523984	45.70	ng	64
49) Dimethylphthalate	9.50	163	229731	17.61	ng	99
55) 4-Nitrophenol	9.98	139	606	6.76	ng	11
56) 2,4-Dinitrotoluene	9.77	165	23835	6.87	ng	11
66) 4-Bromophenyl-phenylether	10.56	248	12653	4.08	ng	1
70) Phenanthrene	11.28	178	48372	2.85	ng	96
74) Fluoranthene	12.47	202	76301	4.37	ng	97
77) Pyrene	12.70	202	67225	4.98	ng	98
80) Benzo(a)anthracene	13.90	228	33175	2.82	ng	99
82) Chrysene	13.93	228	25433	2.29	ng	97
87) Benzo(b)fluoranthene	14.96	252	50131	3.94	ng	95
88) Benzo(k)fluoranthene	14.96	252	50131	4.84	ng	96
89) Benzo(a)pyrene	15.30	252	24921	2.26	ng	89

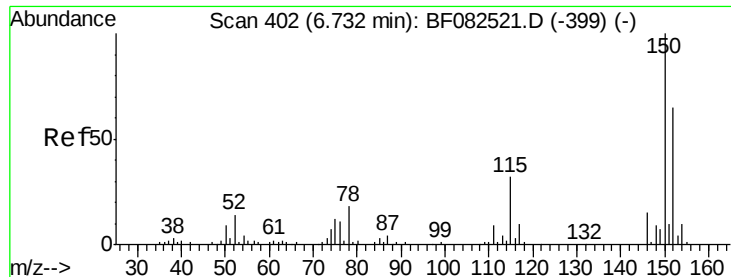
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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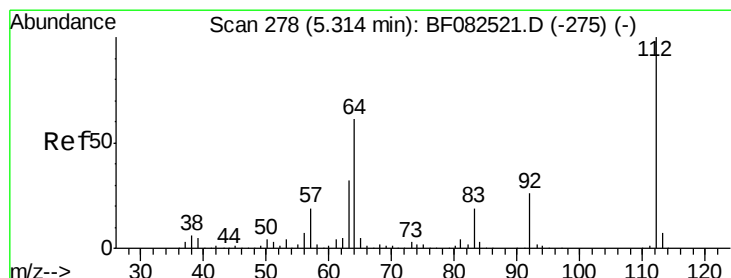
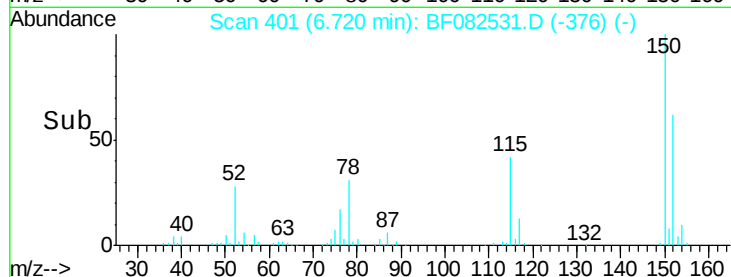
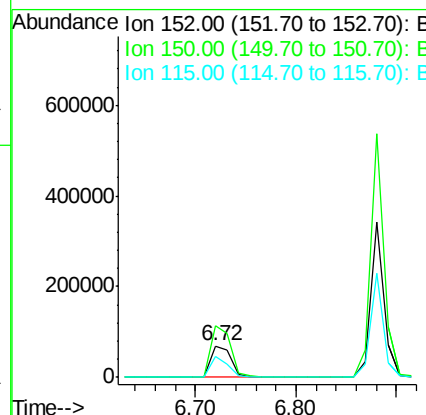
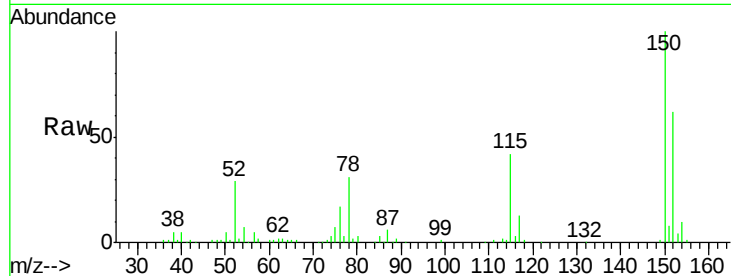


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.72 min Scan# 401
Delta R.T. -0.01 min
Lab File: BF082531.D
Acq: 27 Oct 2015 5:06

Instrument :
BNA_F
ClientSampleId :
NB3-03(0-2)

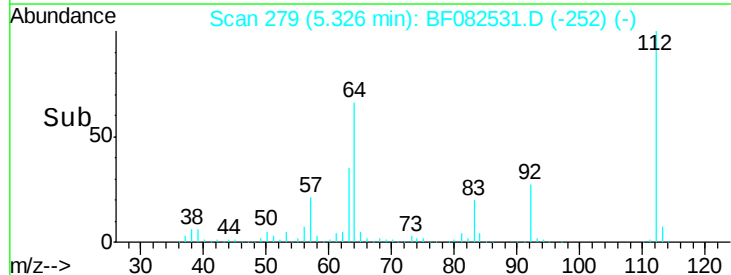
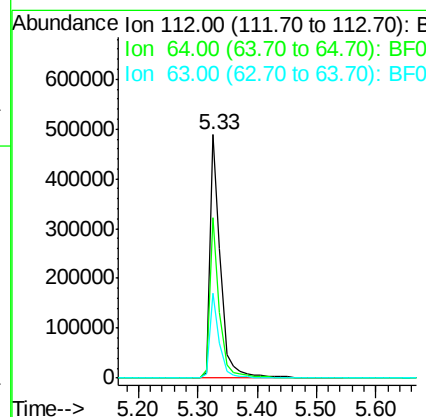
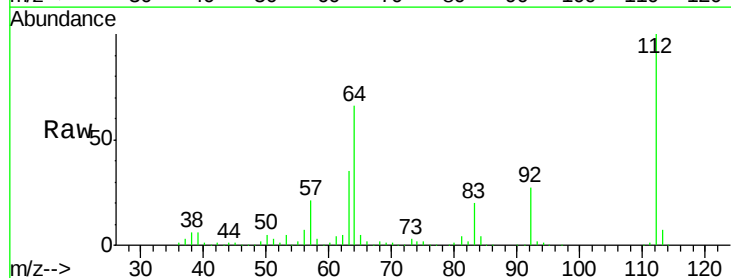
Tgt Ion:152 Resp: 96063
Ion Ratio Lower Upper
152 100
150 162.2 123.4 185.0
115 68.0 39.0 58.4#

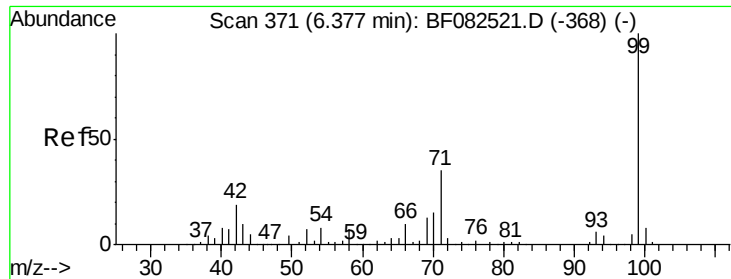


#5

2-Fluorophenol
Concen: 125.17 ng
RT: 5.33 min Scan# 279
Delta R.T. 0.01 min
Lab File: BF082531.D
Acq: 27 Oct 2015 5:06

Tgt Ion:112 Resp: 609109
Ion Ratio Lower Upper
112 100
64 65.7 49.0 73.4
63 35.0 25.8 38.6





#7

Phenol-d6

Concen: 129.32 ng

RT: 6.39 min Scan# 372

Delta R.T. 0.01 min

Lab File: BF082531.D

Acq: 27 Oct 2015 5:06

Instrument :

BNA_F

ClientSampleId :

NB3-03(0-2)

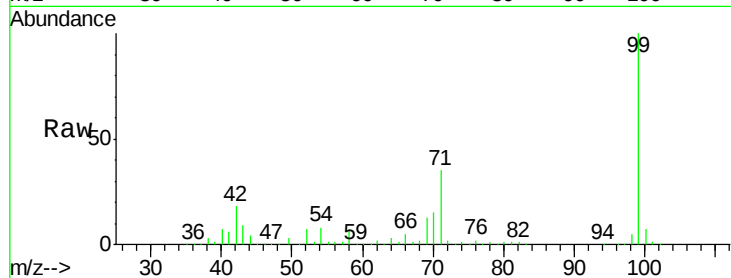
Tgt Ion: 99 Resp: 820179

Ion Ratio Lower Upper

99 100

42 18.1 15.1 22.7

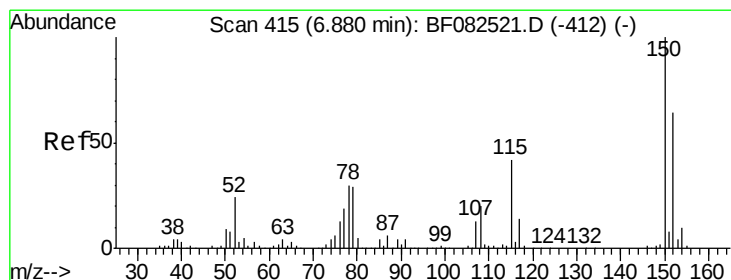
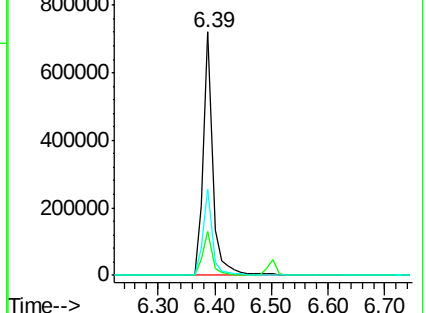
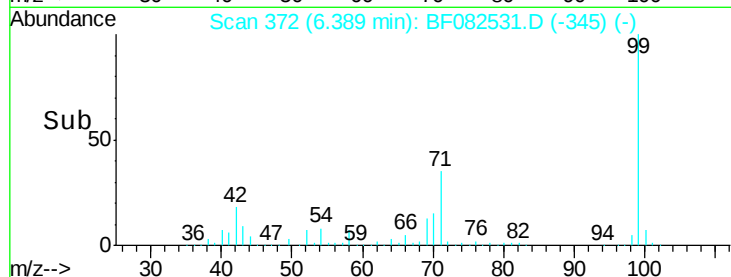
71 35.2 28.2 42.2



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: 2.03 ng

RT: 6.88 min Scan# 415

Delta R.T. -0.00 min

Lab File: BF082531.D

Acq: 27 Oct 2015 5:06

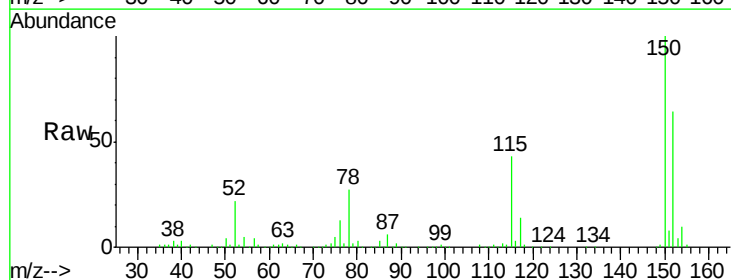
Tgt Ion: 79 Resp: 8950

Ion Ratio Lower Upper

79 100

108 26.9 55.0 82.6#

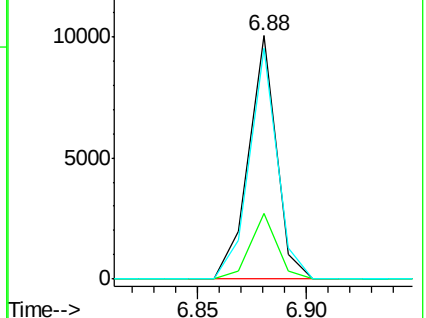
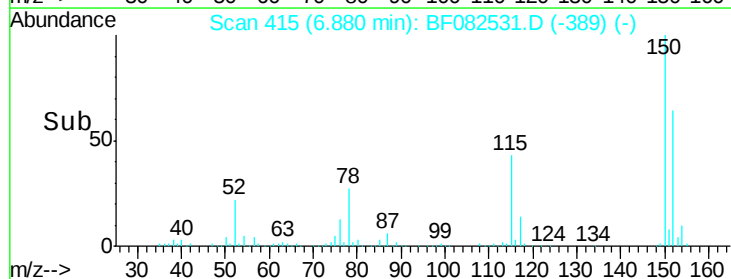
77 94.7 52.5 78.7#

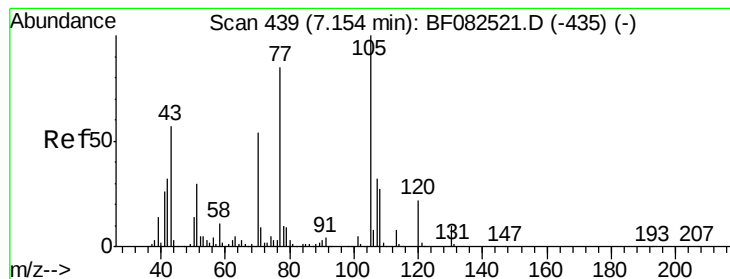


Abundance Ion 79.00 (78.70 to 79.70): BF0

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: 16.81 ng

RT: 7.30 min Scan# 452

Delta R.T. 0.15 min

Lab File: BF082531.D

Acq: 27 Oct 2015 5:06

Instrument :

BNA_F

ClientSampleId :

NB3-03(0-2)

Tgt Ion: 70 Resp: 69477

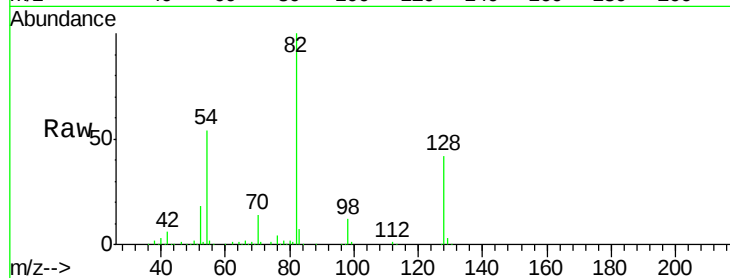
Ion Ratio Lower Upper

70 100

42 45.6 46.9 70.3#

101 0.0 7.4 11.2#

130 2.0 14.2 21.4#

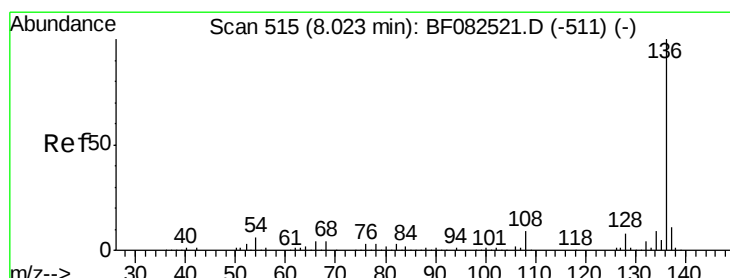
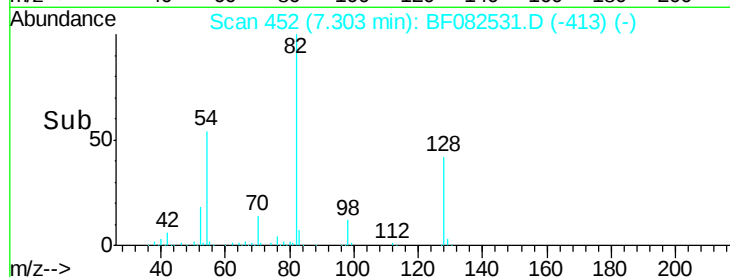
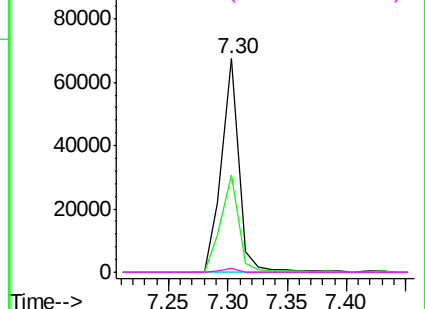


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.01 min Scan# 514

Delta R.T. -0.01 min

Lab File: BF082531.D

Acq: 27 Oct 2015 5:06

Tgt Ion: 136 Resp: 372314

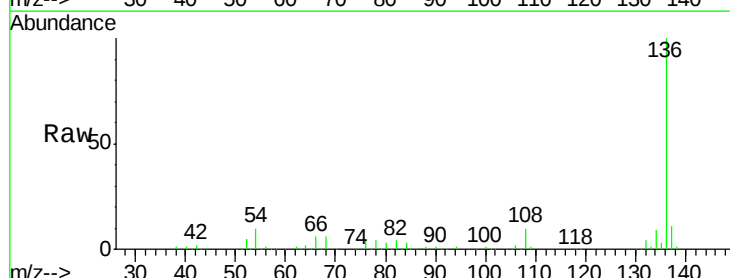
Ion Ratio Lower Upper

136 100

137 11.4 8.6 13.0

54 9.7 4.6 7.0#

68 6.0 3.2 4.8#

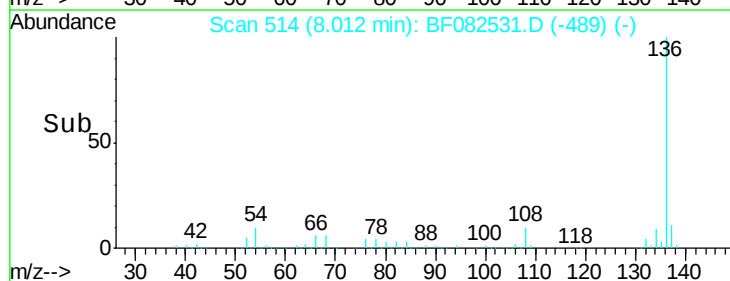
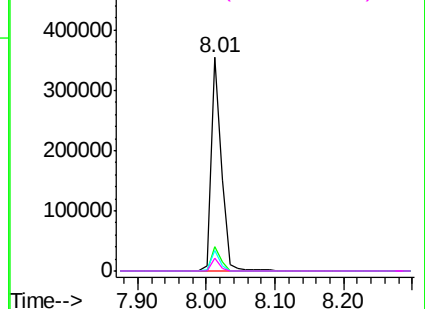


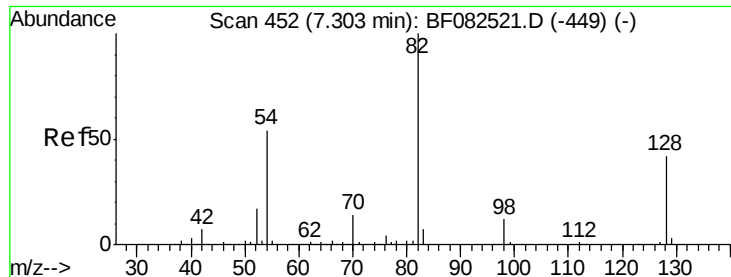
Abundance Ion 136.00 (135.70 to 136.70): E

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

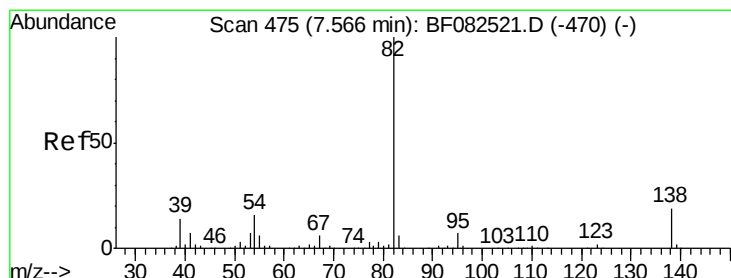
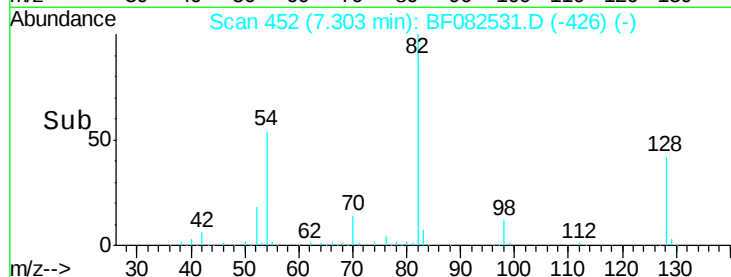
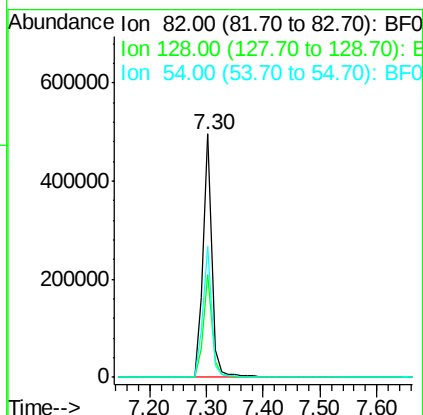
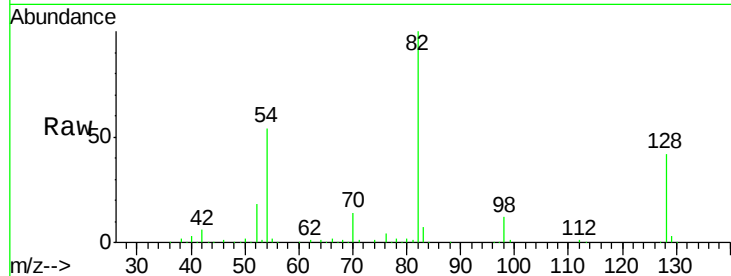




#23
 Nitrobenzene-d5
 Concen: 90.64 ng
 RT: 7.30 min Scan# 452
 Delta R.T. -0.00 min
 Lab File: BF082531.D
 Acq: 27 Oct 2015 5:06

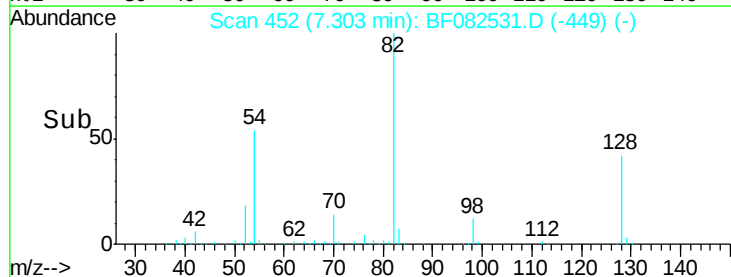
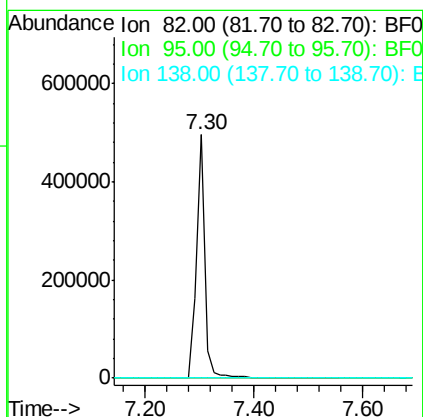
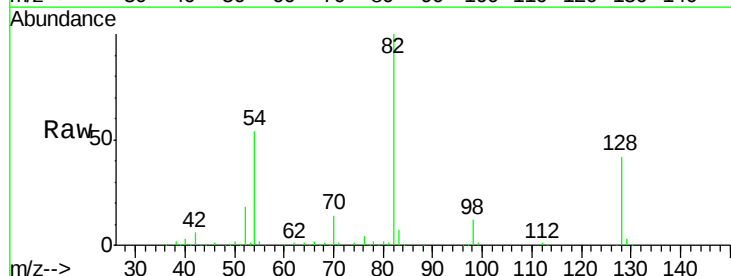
Instrument :
 BNA_F
 ClientSampleId :
 NB3-03(0-2)

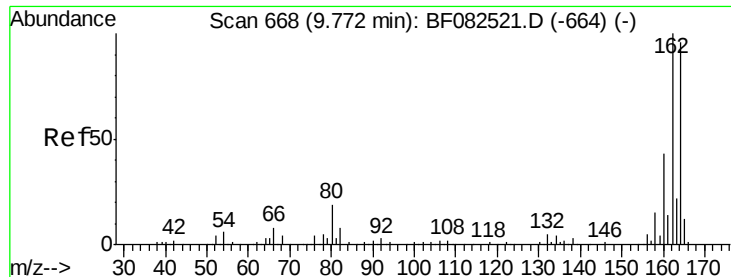
Tgt Ion	Ratio	Lower	Upper
82	100		
128	42.5	33.4	50.0
54	53.6	43.5	65.3



#25
 Isophorone
 Concen: 45.70 ng
 RT: 7.30 min Scan# 452
 Delta R.T. -0.26 min
 Lab File: BF082531.D
 Acq: 27 Oct 2015 5:06

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.7	8.5#
138	0.0	15.0	22.4#

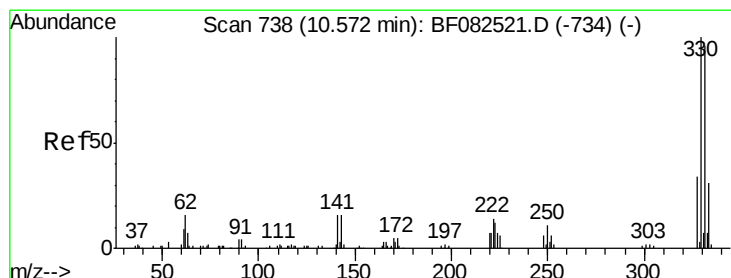
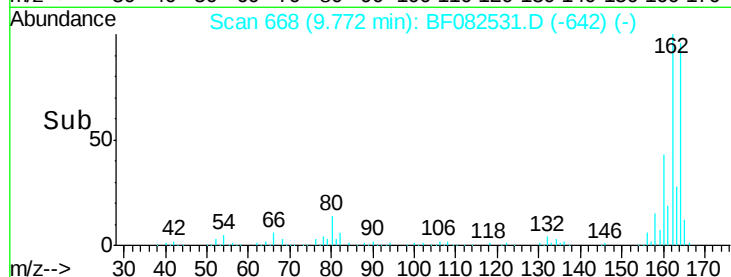
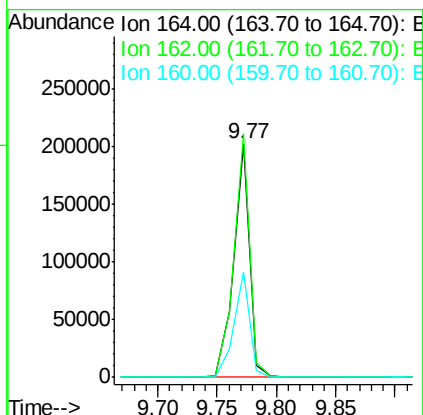
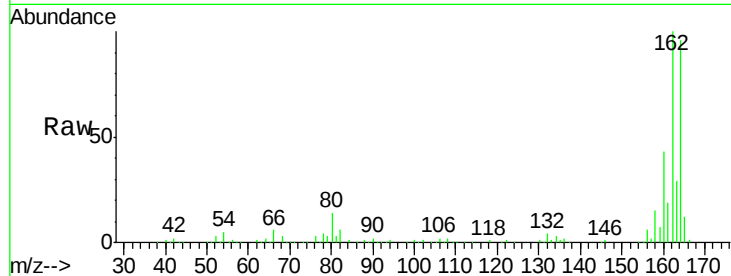




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.77 min Scan# 668
 Delta R.T. -0.00 min
 Lab File: BF082531.D
 Acq: 27 Oct 2015 5:06

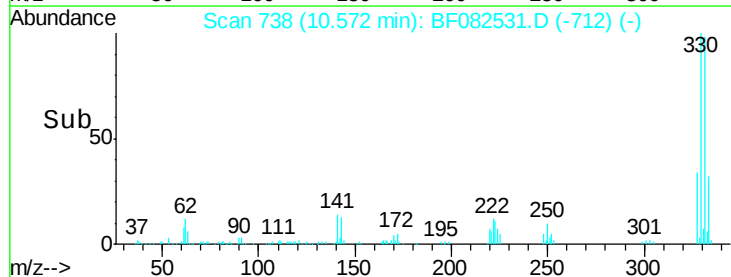
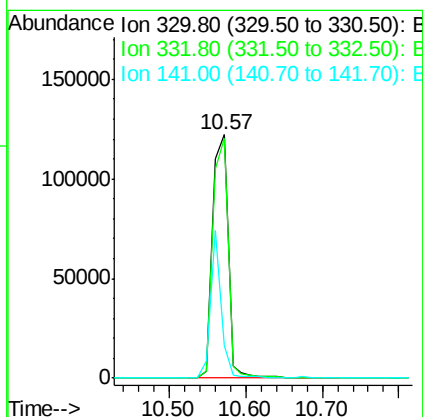
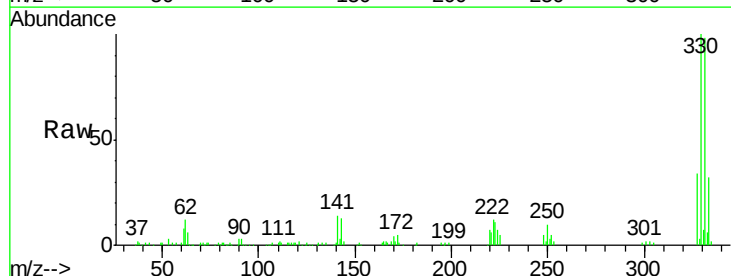
Instrument :
 BNA_F
 ClientSampleId :
 NB3-03(0-2)

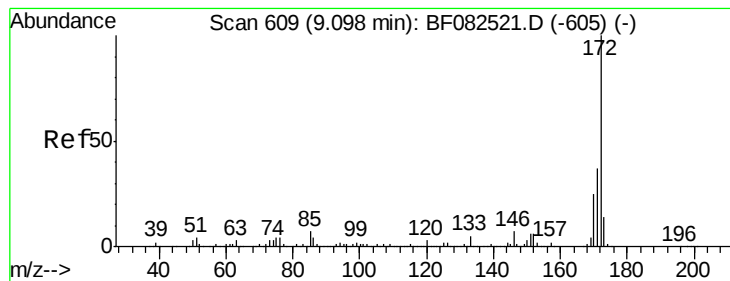
Tgt Ion:164 Resp: 187438
 Ion Ratio Lower Upper
 164 100
 162 104.2 83.6 125.4
 160 45.2 36.0 54.0



#41
 2,4,6-Tribromophenol
 Concen: 122.58 ng
 RT: 10.57 min Scan# 738
 Delta R.T. -0.00 min
 Lab File: BF082531.D
 Acq: 27 Oct 2015 5:06

Tgt Ion:330 Resp: 172046
 Ion Ratio Lower Upper
 330 100
 332 96.8 77.4 116.0
 141 41.4 32.5 48.7





#44

2-Fluorobiphenyl

Concen: 82.71 ng

RT: 9.10 min Scan# 609

Delta R.T. -0.00 min

Lab File: BF082531.D

Acq: 27 Oct 2015 5:06

Instrument :

BNA_F

ClientSampleId :

NB3-03(0-2)

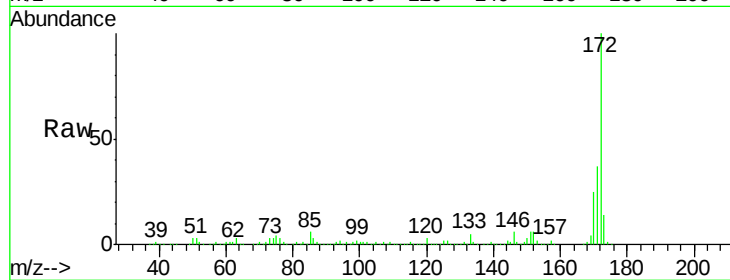
Tgt Ion:172 Resp: 974906

Ion Ratio Lower Upper

172 100

171 36.5 29.3 43.9

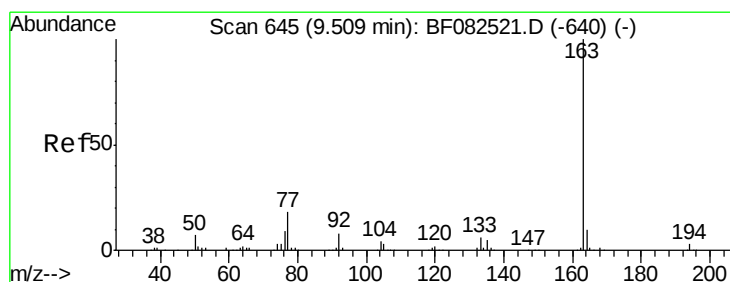
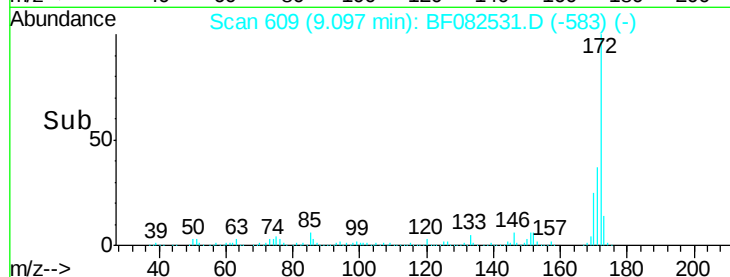
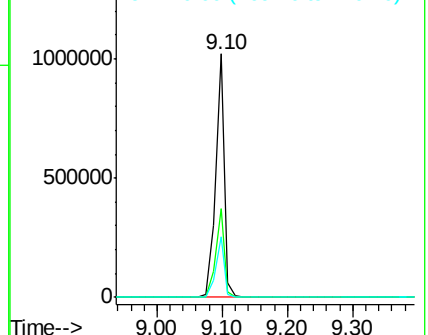
170 24.7 19.8 29.6



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: 17.61 ng

RT: 9.50 min Scan# 644

Delta R.T. -0.01 min

Lab File: BF082531.D

Acq: 27 Oct 2015 5:06

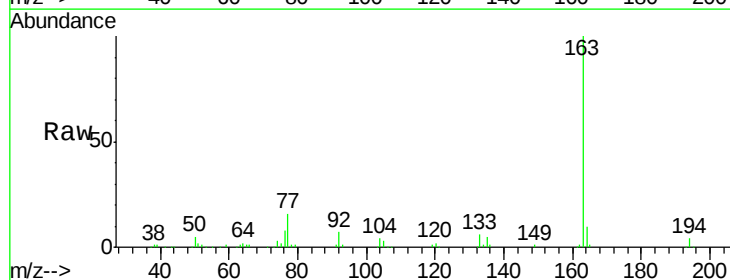
Tgt Ion:163 Resp: 229731

Ion Ratio Lower Upper

163 100

194 3.7 2.8 4.2

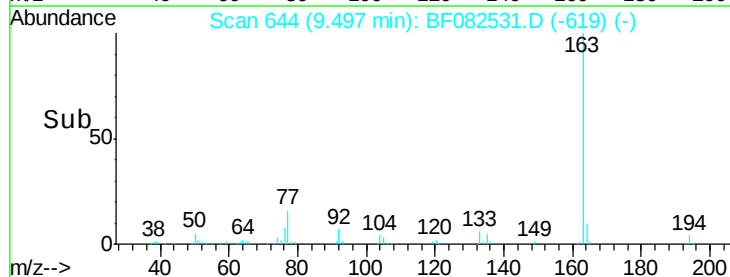
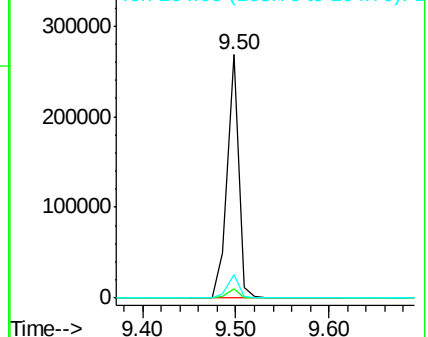
164 9.8 8.2 12.4

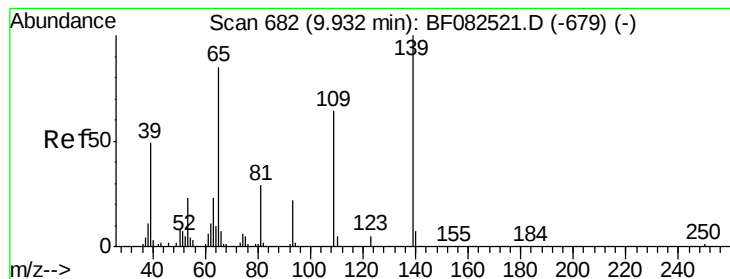


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#55

4-Nitrophenol

Concen: 6.76 ng

RT: 9.98 min Scan# 686

Delta R.T. 0.05 min

Lab File: BF082531.D

Acq: 27 Oct 2015 5:06

Instrument :

BNA_F

ClientSampleId :

NB3-03(0-2)

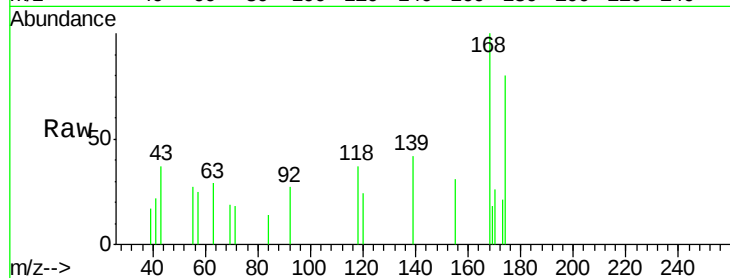
Tgt Ion:139 Resp: 606

Ion Ratio Lower Upper

139 100

109 0.0 44.2 84.2#

65 0.0 68.1 108.1#

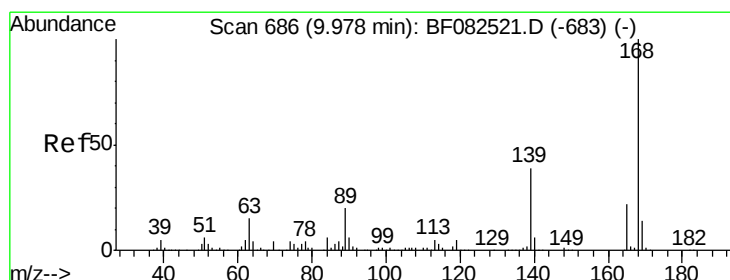
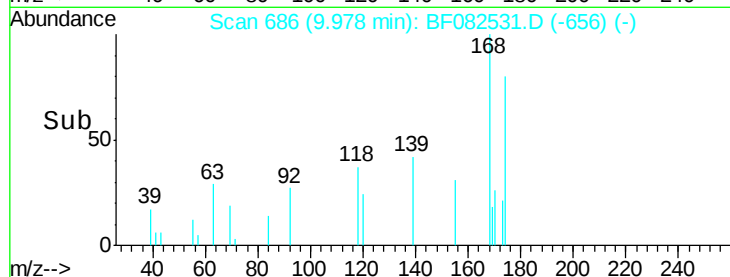


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): E

Time-->



#56

2,4-Dinitrotoluene

Concen: 6.87 ng

RT: 9.77 min Scan# 668

Delta R.T. -0.21 min

Lab File: BF082531.D

Acq: 27 Oct 2015 5:06

Tgt Ion:165 Resp: 23835

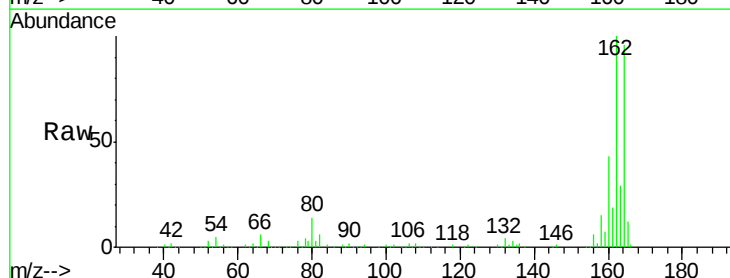
Ion Ratio Lower Upper

165 100

63 1.4 58.6 88.0#

89 1.6 72.3 108.5#

182 0.0 1.8 2.8#



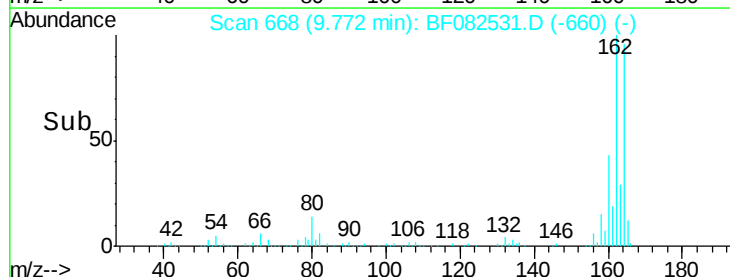
Abundance Ion 165.00 (164.70 to 165.70): E

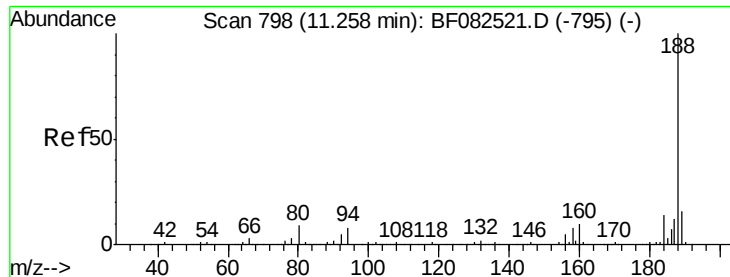
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

Time-->

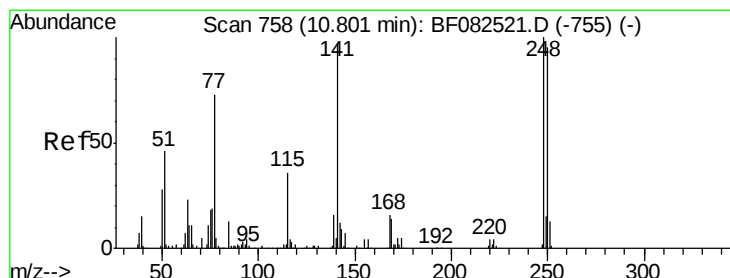
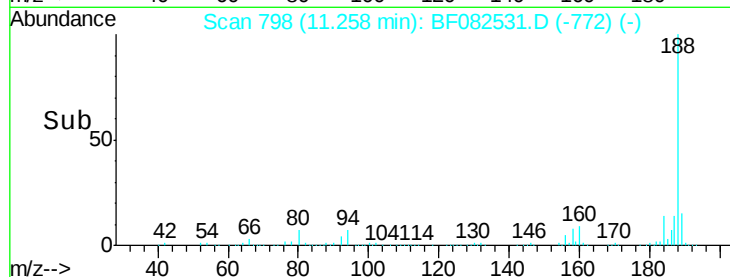
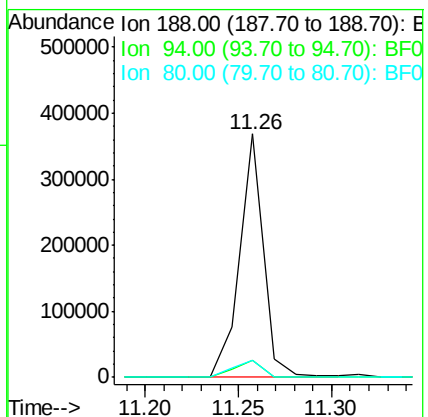
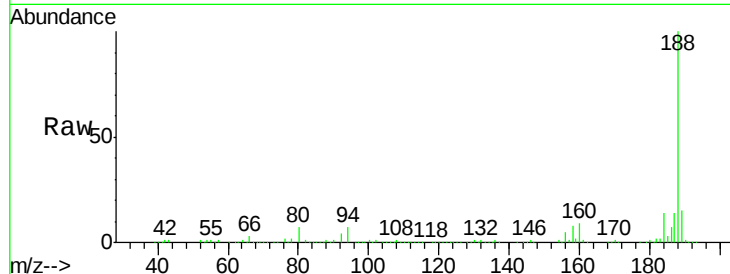




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.26 min Scan# 798
Delta R.T. -0.00 min
Lab File: BF082531.D
Acq: 27 Oct 2015 5:06

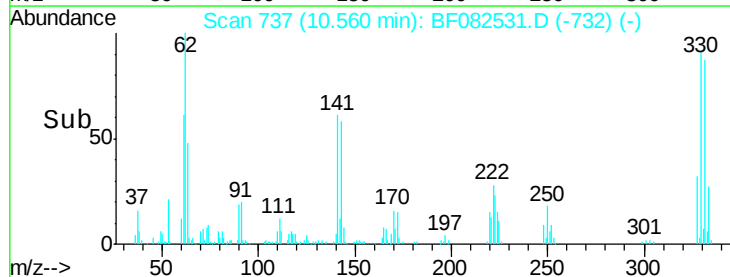
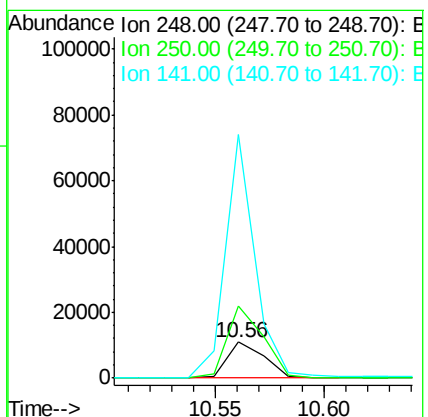
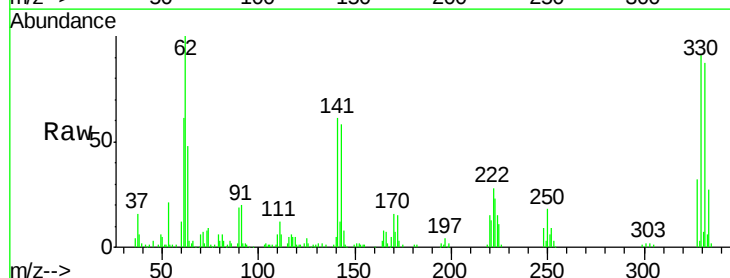
Instrument :
BNA_F
ClientSampleId :
NB3-03(0-2)

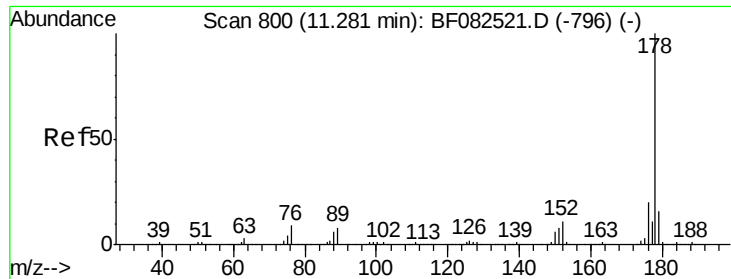
Tgt Ion:188 Resp: 330297
Ion Ratio Lower Upper
188 100
94 6.9 6.4 9.6
80 7.0 7.0 10.6#



#66
4-Bromophenyl-phenylether
Concen: 4.08 ng
RT: 10.56 min Scan# 737
Delta R.T. -0.24 min
Lab File: BF082531.D
Acq: 27 Oct 2015 5:06

Tgt Ion:248 Resp: 12653
Ion Ratio Lower Upper
248 100
250 200.6 76.0 114.0#
141 683.0 77.5 116.3#

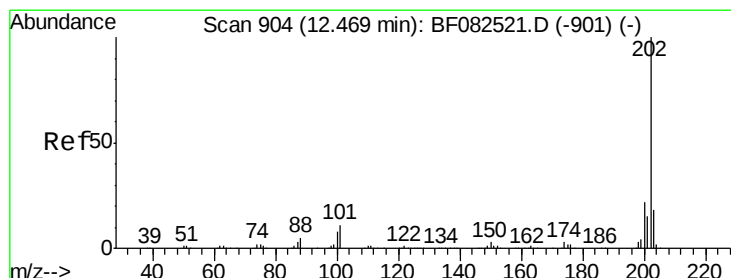
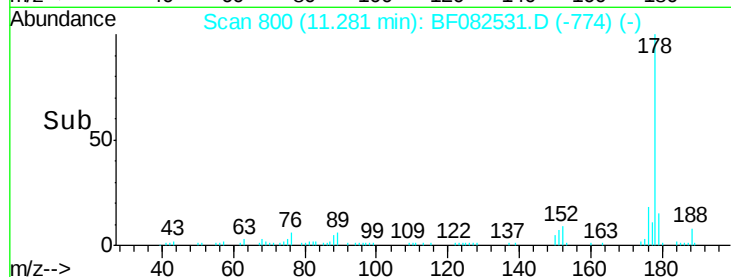
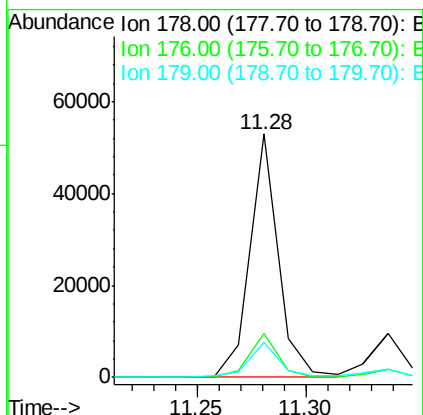
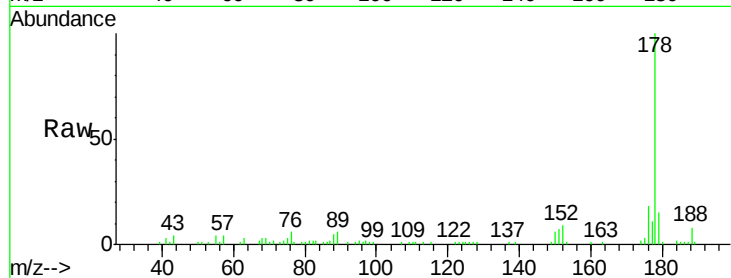




#70
Phenanthrene
Concen: 2.85 ng
RT: 11.28 min Scan# 800
Delta R.T. -0.00 min
Lab File: BF082531.D
Acq: 27 Oct 2015 5:06

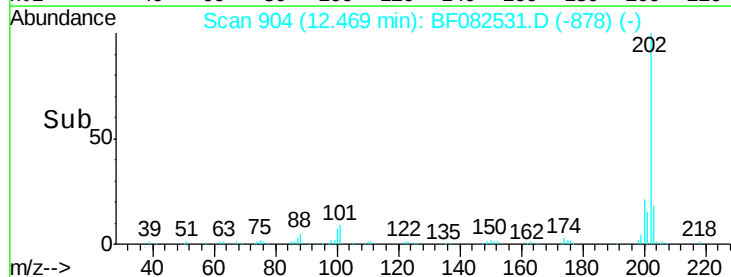
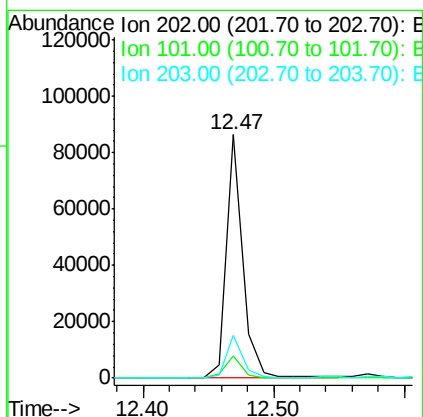
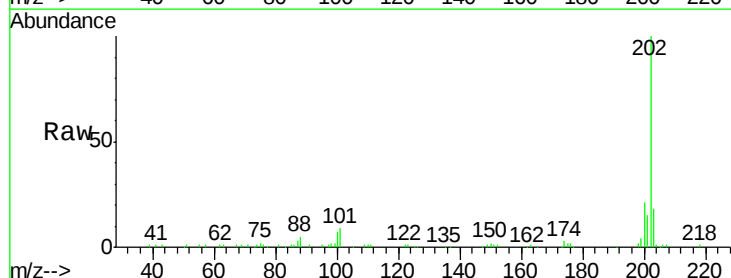
Instrument :
BNA_F
ClientSampleId :
NB3-03(0-2)

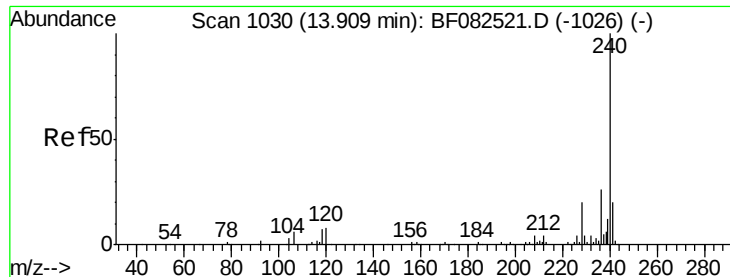
Tgt Ion:178 Resp: 48372
Ion Ratio Lower Upper
178 100
176 18.2 15.9 23.9
179 14.6 12.8 19.2



#74
Fluoranthene
Concen: 4.37 ng
RT: 12.47 min Scan# 904
Delta R.T. -0.00 min
Lab File: BF082531.D
Acq: 27 Oct 2015 5:06

Tgt Ion:202 Resp: 76301
Ion Ratio Lower Upper
202 100
101 8.9 0.0 31.2
203 17.5 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.91 min Scan# 1030

Delta R.T. -0.00 min

Lab File: BF082531.D

Acq: 27 Oct 2015 5:06

Instrument :

BNA_F

ClientSampleId :

NB3-03(0-2)

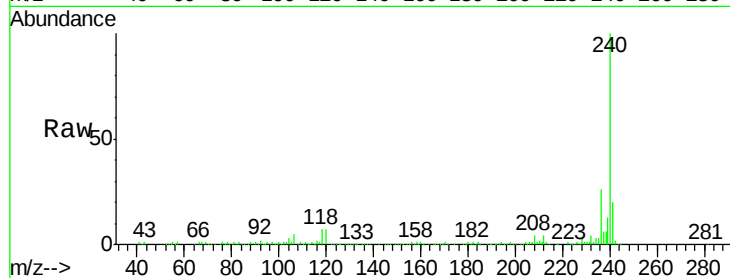
Tgt Ion:240 Resp: 219541

Ion Ratio Lower Upper

240 100

120 7.3 6.5 9.7

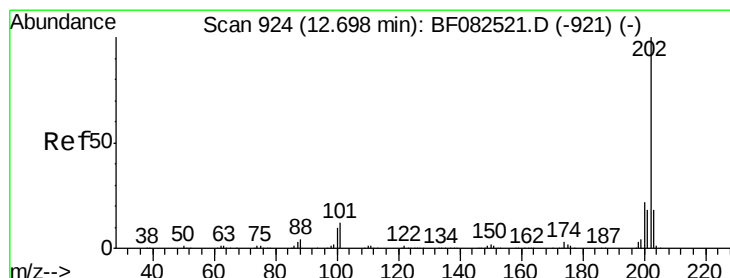
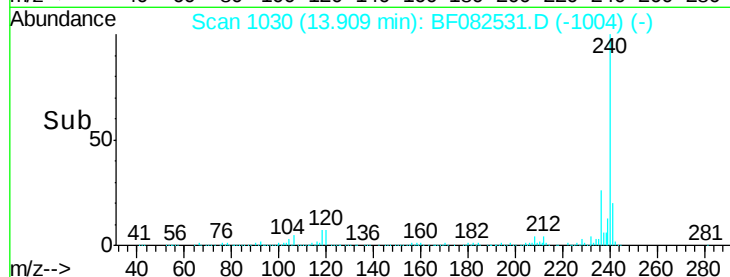
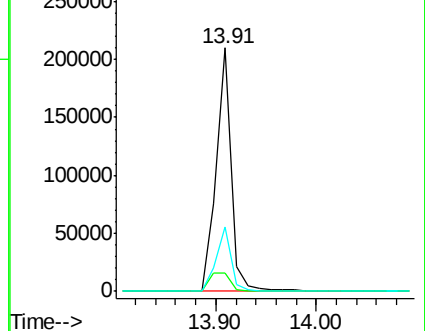
236 26.3 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 4.98 ng

RT: 12.70 min Scan# 924

Delta R.T. -0.00 min

Lab File: BF082531.D

Acq: 27 Oct 2015 5:06

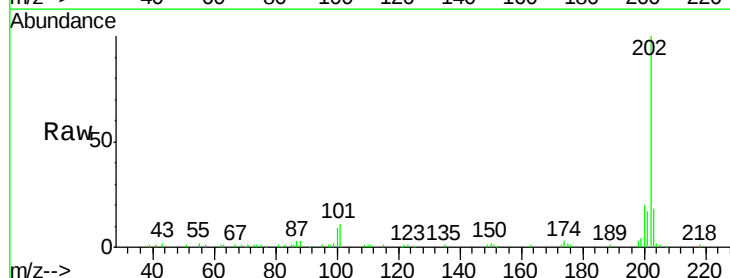
Tgt Ion:202 Resp: 67225

Ion Ratio Lower Upper

202 100

200 20.5 17.6 26.4

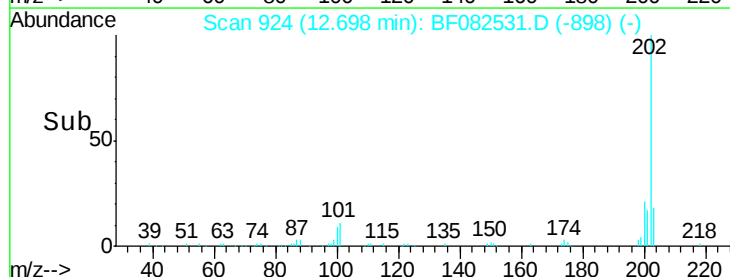
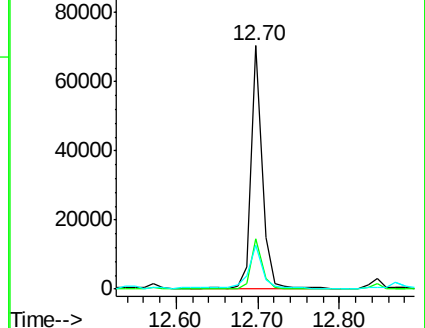
203 18.0 14.6 22.0

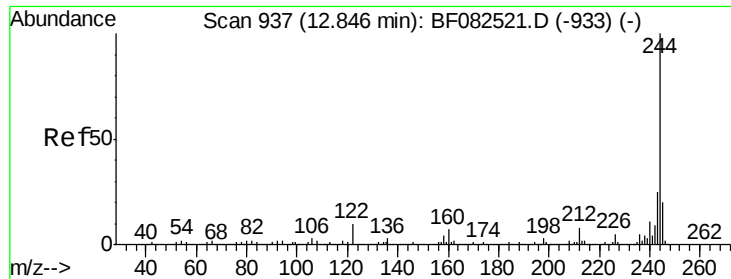


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

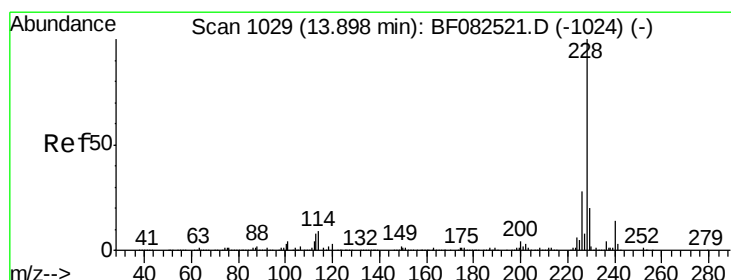
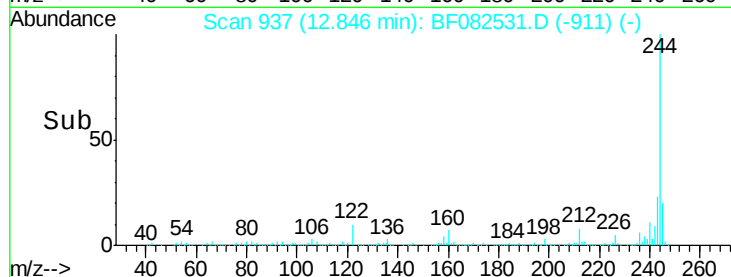
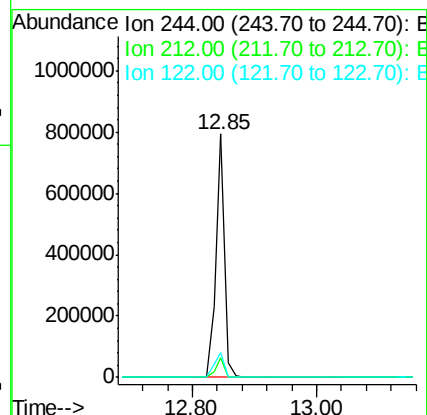
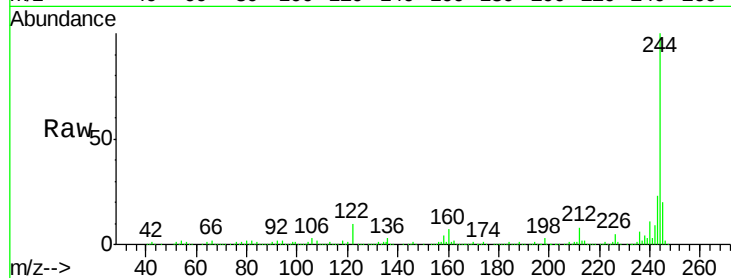




#78
 Terphenyl-d14
 Concen: 98.85 ng
 RT: 12.85 min Scan# 937
 Delta R.T. -0.00 min
 Lab File: BF082531.D
 Acq: 27 Oct 2015 5:06

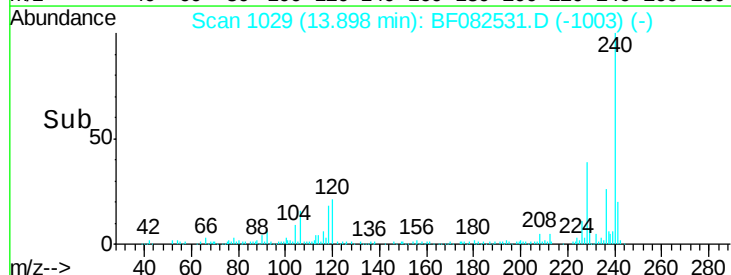
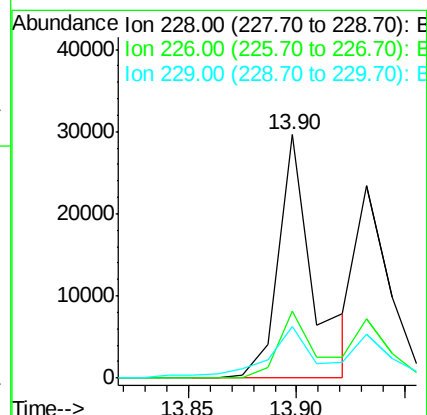
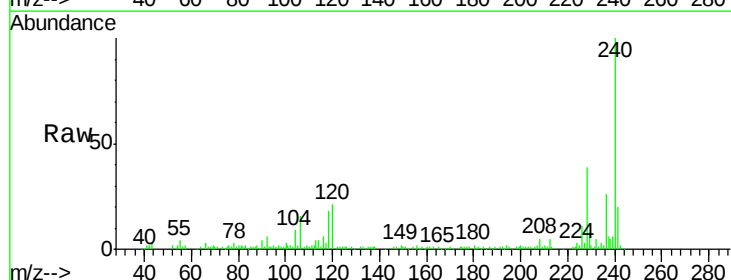
Instrument :
 BNA_F
 ClientSampleId :
 NB3-03(0-2)

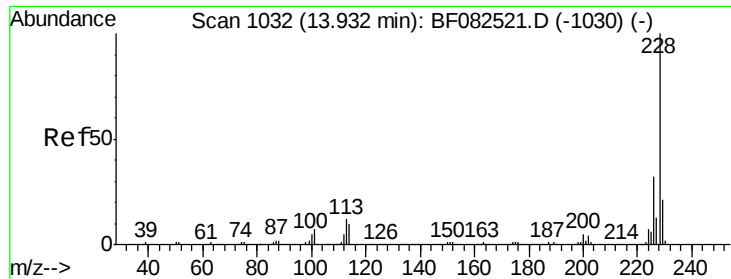
Tgt Ion:244 Resp: 753253
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.4 9.6
 122 10.3 8.1 12.1



#80
 Benzo(a)anthracene
 Concen: 2.82 ng
 RT: 13.90 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: BF082531.D
 Acq: 27 Oct 2015 5:06

Tgt Ion:228 Resp: 33175
 Ion Ratio Lower Upper
 228 100
 226 27.4 22.1 33.1
 229 21.2 16.1 24.1

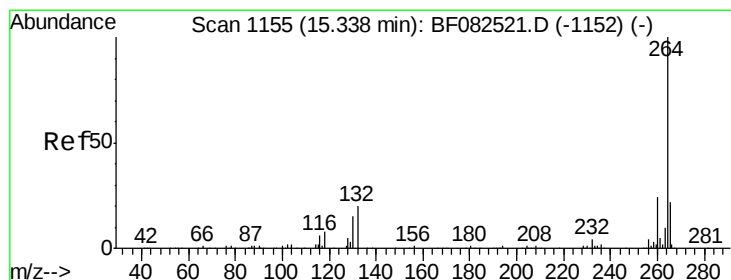
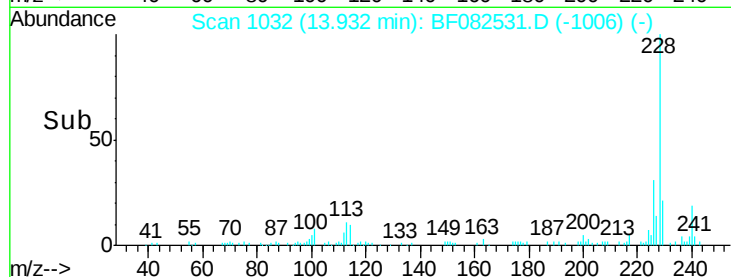
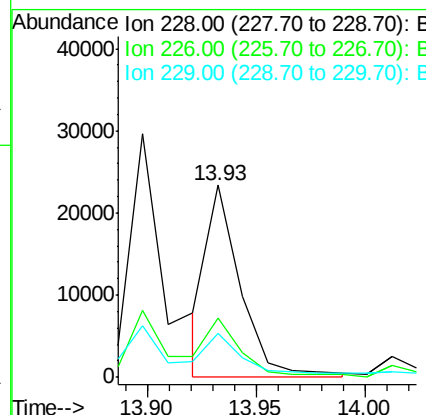
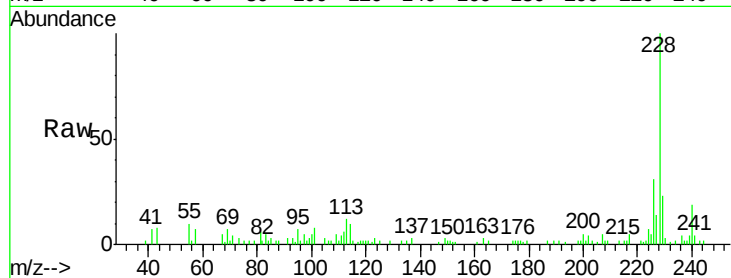




#82
Chrysene
Concen: 2.29 ng
RT: 13.93 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BF082531.D
Acq: 27 Oct 2015 5:06

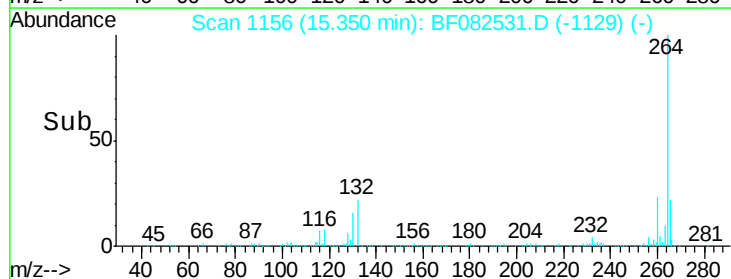
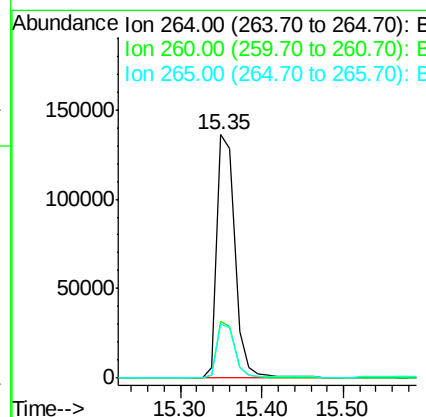
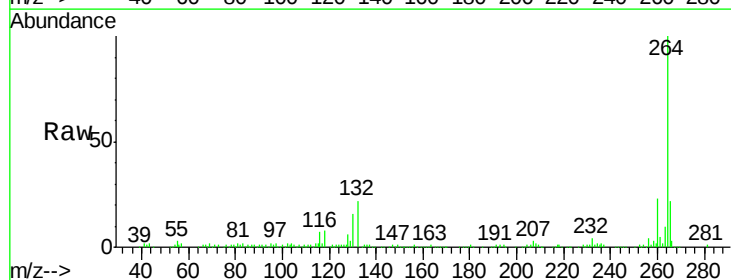
Instrument :
BNA_F
ClientSampleId :
NB3-03(0-2)

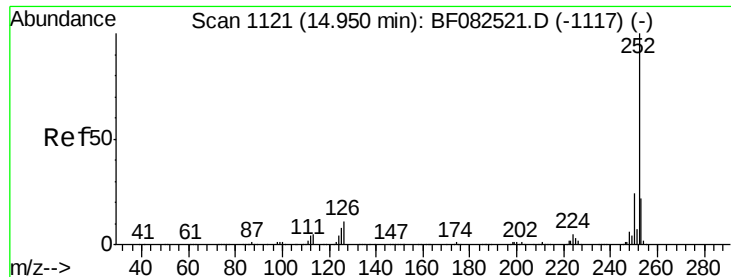
Tgt Ion: 228 Resp: 25433
Ion Ratio Lower Upper
228 100
226 30.8 25.2 37.8
229 22.9 16.3 24.5



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.35 min Scan# 1156
Delta R.T. 0.01 min
Lab File: BF082531.D
Acq: 27 Oct 2015 5:06

Tgt Ion: 264 Resp: 214002
Ion Ratio Lower Upper
264 100
260 23.4 19.0 28.6
265 22.1 17.8 26.6

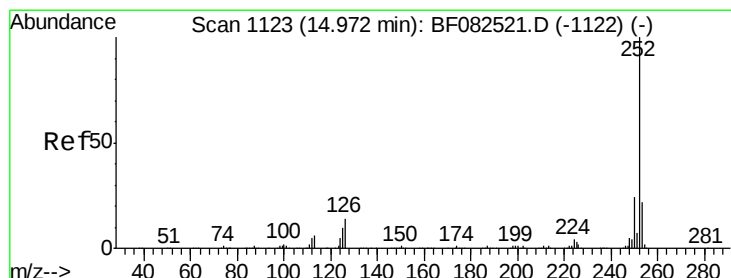
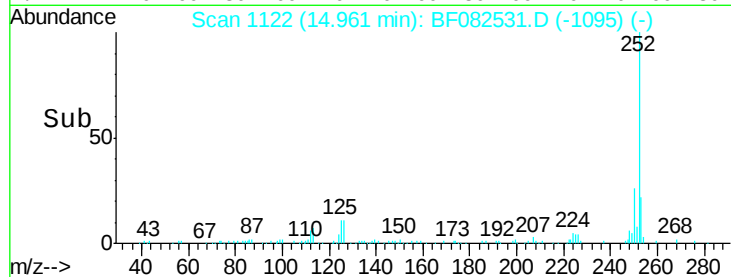
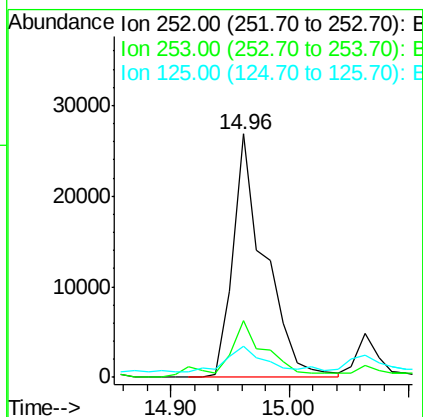
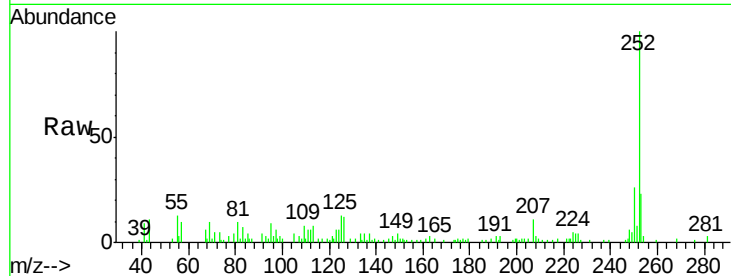




#87
Benzo(b)fluoranthene
Concen: 3.94 ng
RT: 14.96 min Scan# 1122
Delta R.T. 0.01 min
Lab File: BF082531.D
Acq: 27 Oct 2015 5:06

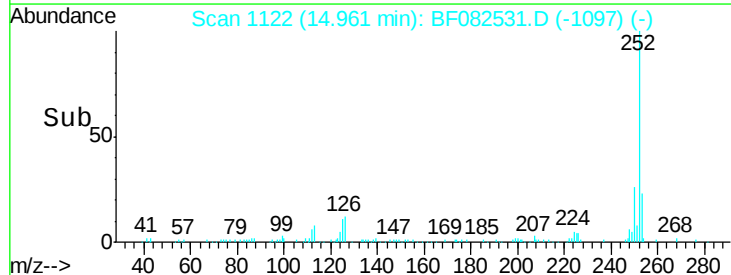
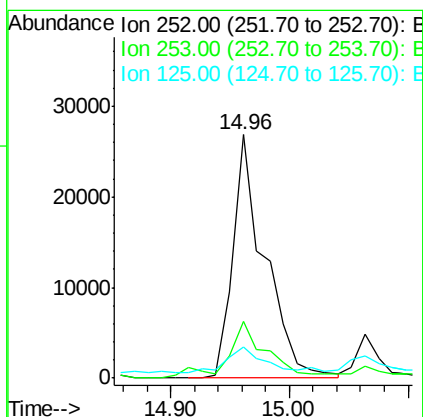
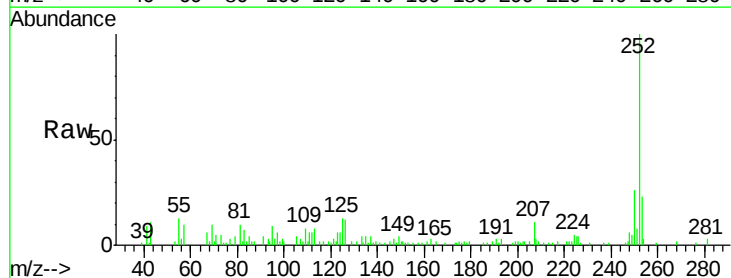
Instrument :
BNA_F
ClientSampleId :
NB3-03(0-2)

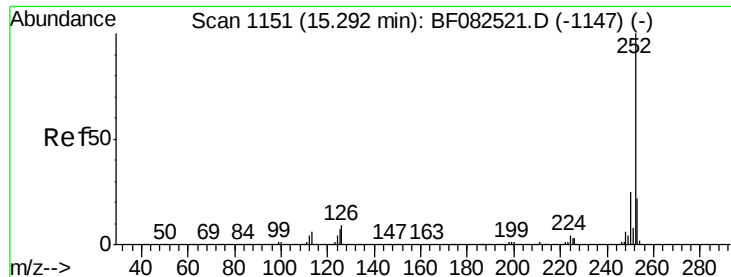
Tgt Ion:252 Resp: 50131
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 13.0 6.6 10.0#



#88
Benzo(k)fluoranthene
Concen: 4.84 ng
RT: 14.96 min Scan# 1122
Delta R.T. -0.01 min
Lab File: BF082531.D
Acq: 27 Oct 2015 5:06

Tgt Ion:252 Resp: 50131
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.6
125 13.0 8.7 13.1





#89

Benzo(a)pyrene

Concen: 2.26 ng

RT: 15.30 min Scan# 1152

Delta R.T. 0.01 min

Lab File: BF082531.D

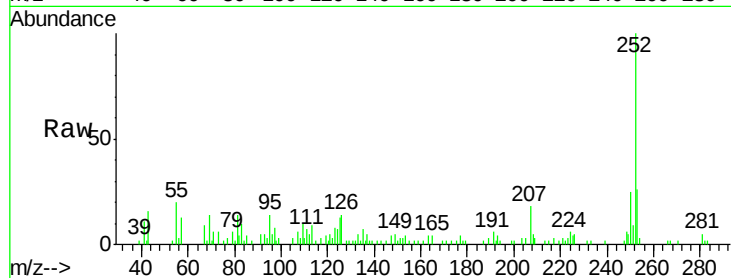
Acq: 27 Oct 2015 5:06

Instrument :

BNA_F

ClientSampleId :

NB3-03(0-2)



Tgt Ion: 252 Resp: 24921

Ion Ratio Lower Upper

252 100

253 25.7 17.3 25.9

125 13.2 5.9 8.9#

