

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

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

Quant Time: Oct 27 07:16:34 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

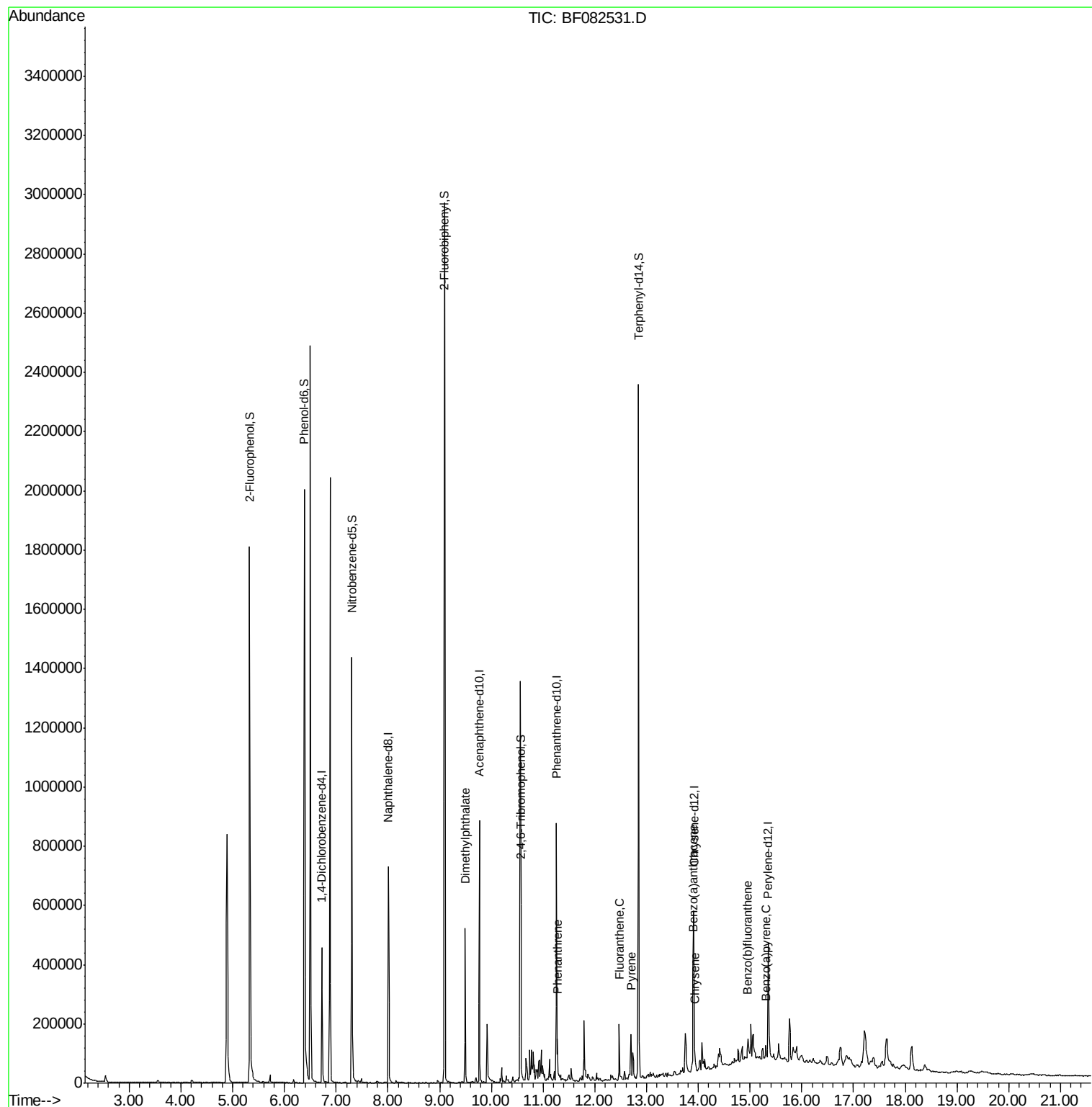
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	96063	20.00	ng	-0.01
21) Naphthalene-d8	8.01	136	372314	20.00	ng	-0.01
38) Acenaphthene-d10	9.77	164	187438	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	330297	20.00	ng	0.00
75) Chrysene-d12	13.91	240	219541	20.00	ng	0.00
86) Perylene-d12	15.35	264	214002	20.00	ng	0.01
System Monitoring Compounds						
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						Qvalue
49) Dimethylphthalate	9.50	163	229731	17.61	ng	99
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	27796m	2.36	ng	
82) Chrysene	13.93	228	30809m	2.77	ng	
87) Benzo(b)fluoranthene	14.96	252	34784m	2.74	ng	
89) Benzo(a)pyrene	15.30	252	24921	2.26	ng	# 89

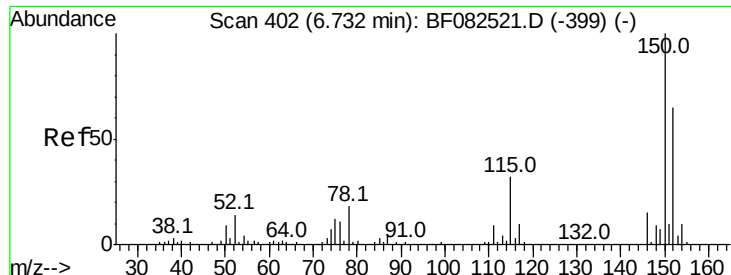
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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)

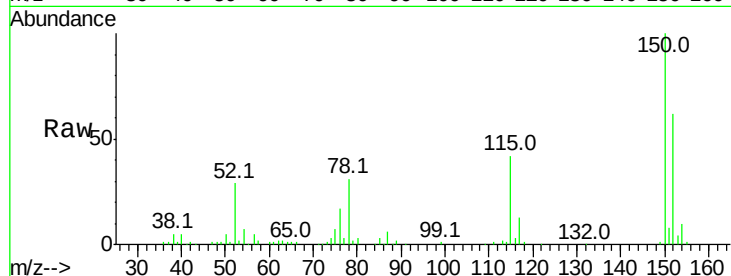
Tot Ion:152 Resp: 96063

Ion Ratio Lower Upper

152 100

150 162.2 123.4 185.0

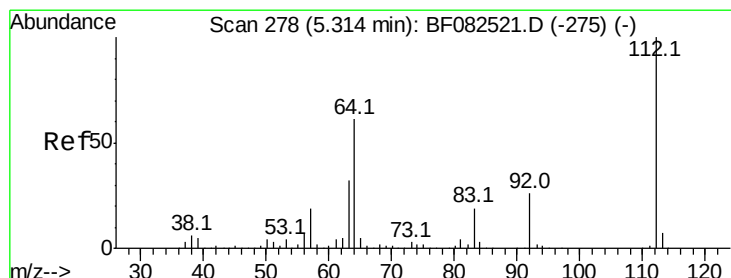
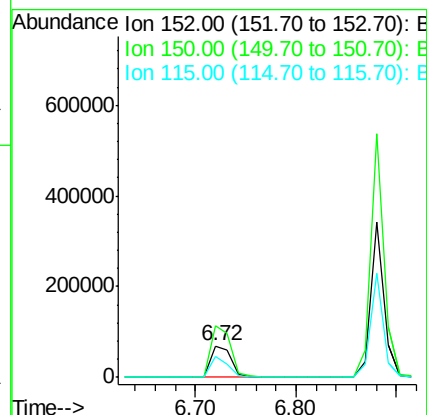
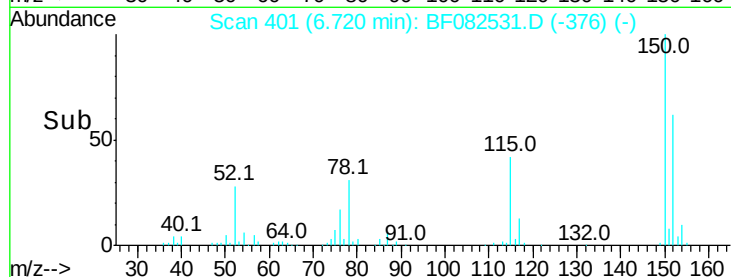
115 68.0 39.0 58.4#



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: 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

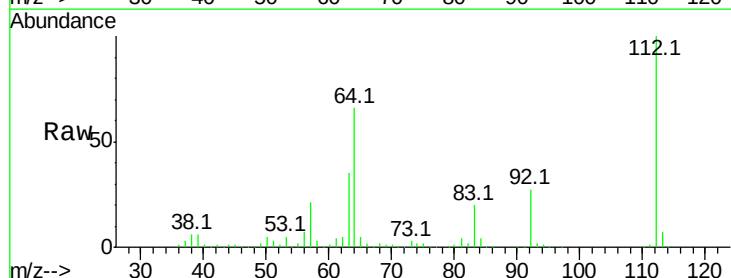
Tgt Ion:112 Resp: 609109

Ion Ratio Lower Upper

112 100

64 65.7 49.0 73.4

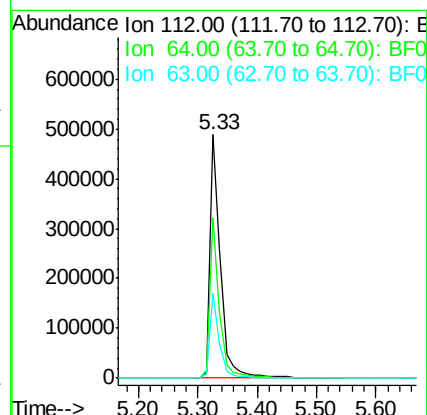
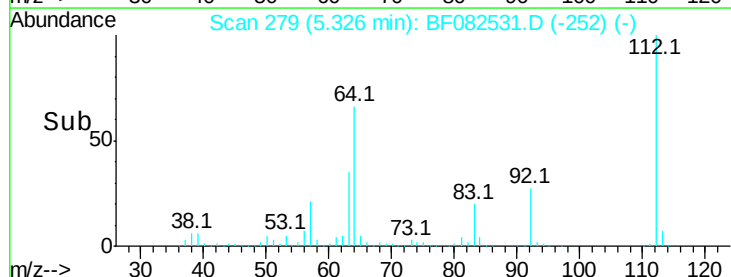
63 35.0 25.8 38.6

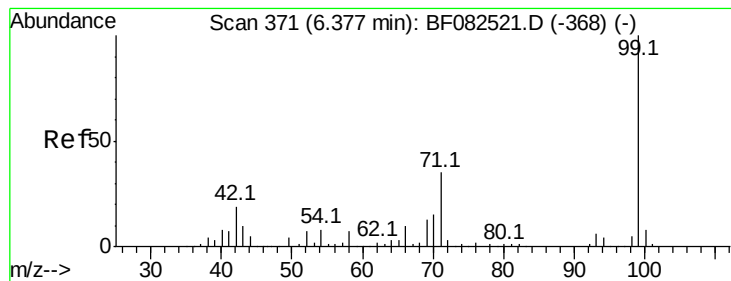


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 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 :

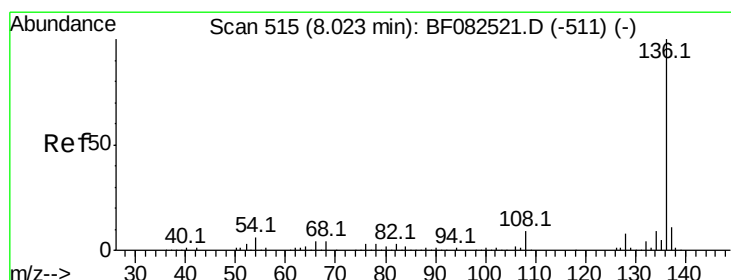
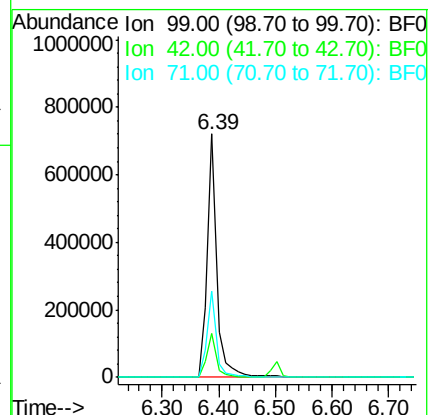
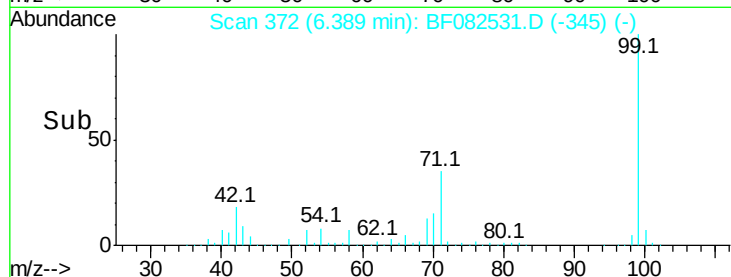
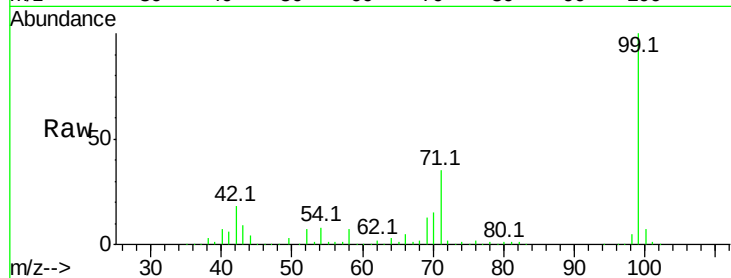
BNA_F

ClientSampleId :

NB3-03(0-2)

Tot Ion: 99 Resp: 820179

Ion	Ratio	Lower	Upper
99	100		
42	18.1	15.1	22.7
71	35.2	28.2	42.2



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.01 min Scan# 514

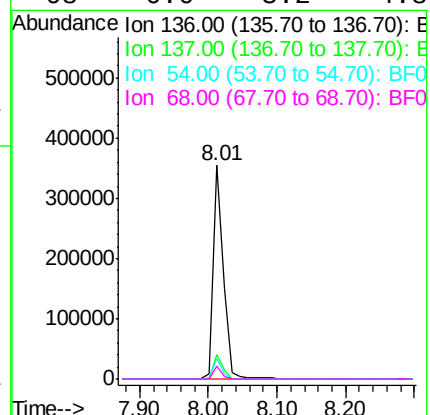
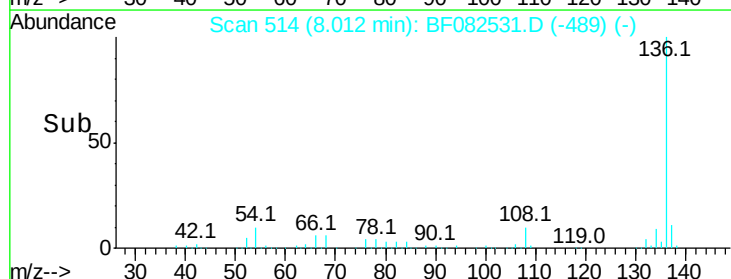
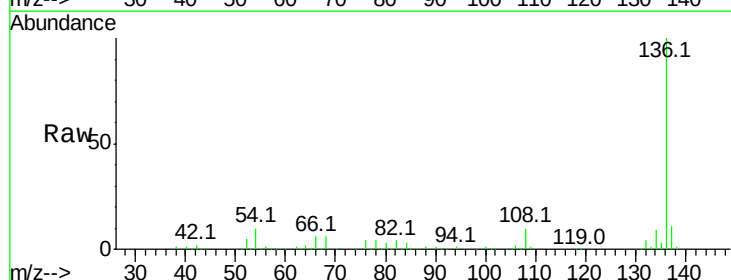
Delta R.T. -0.01 min

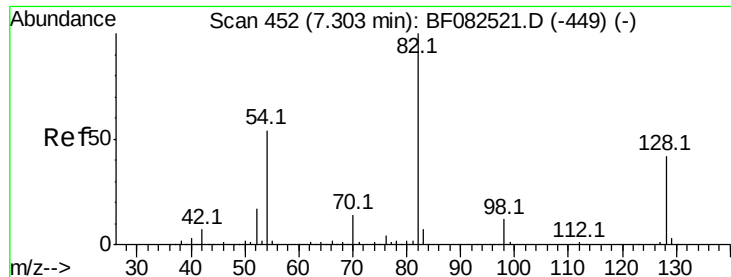
Lab File: BF082531.D

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#

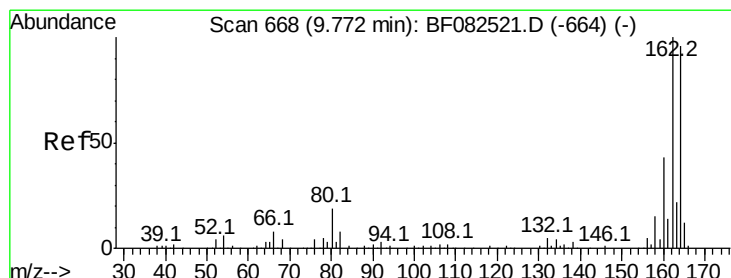
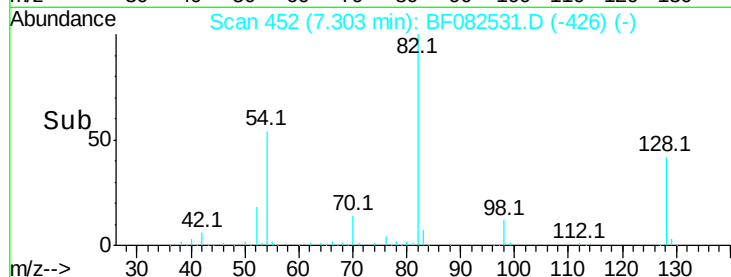
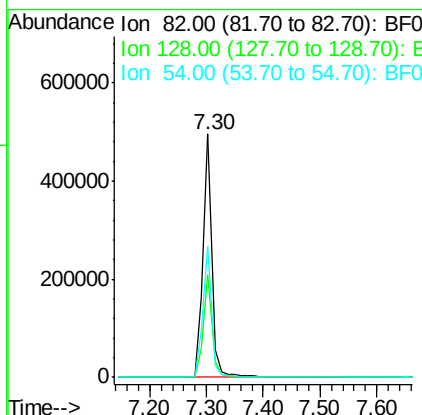
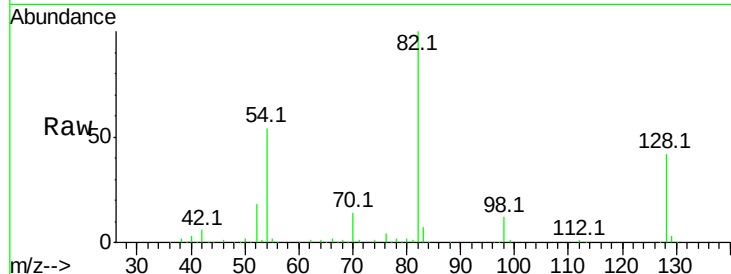




#23
Nitrobenzene-d5
Concen: 90.64 ng
RT: 7.30 min Scan# 452
Delta R.T. -0.00 min
Lab File: BF082531.D
Acq: 27 Oct 2015 5:06

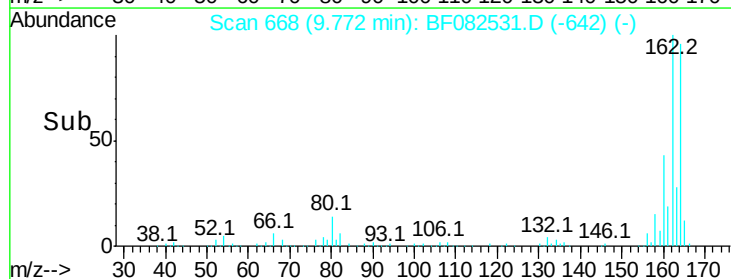
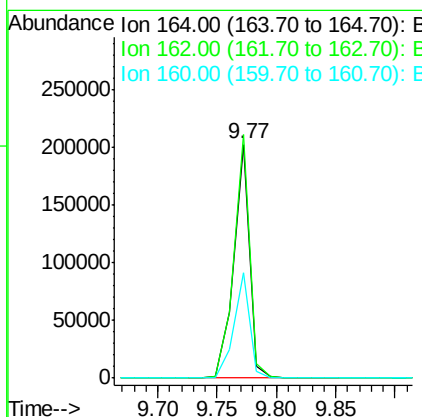
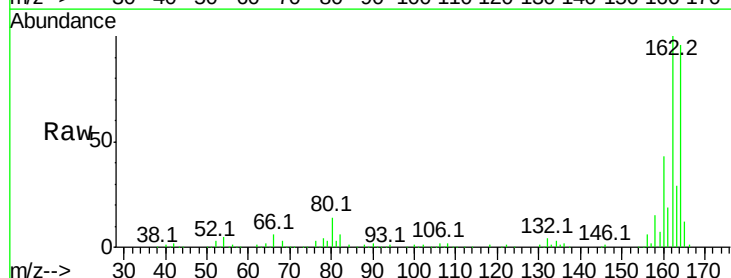
Instrument :
BNA_F
ClientSampleId :
NB3-03(0-2)

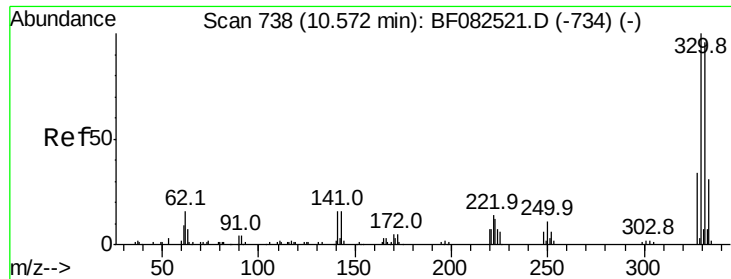
Tot Ion	Ratio	Lower	Upper
82	100		
128	42.5	33.4	50.0
54	53.6	43.5	65.3



#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

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

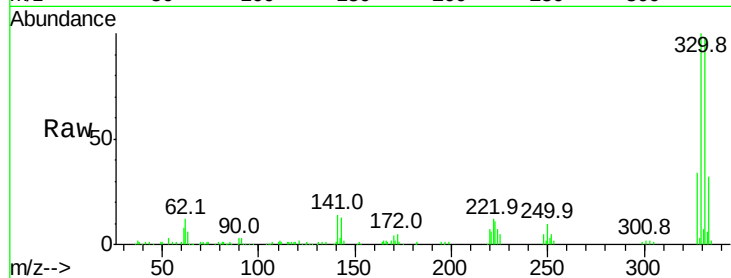




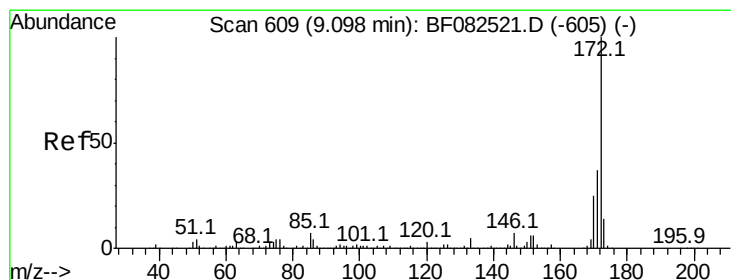
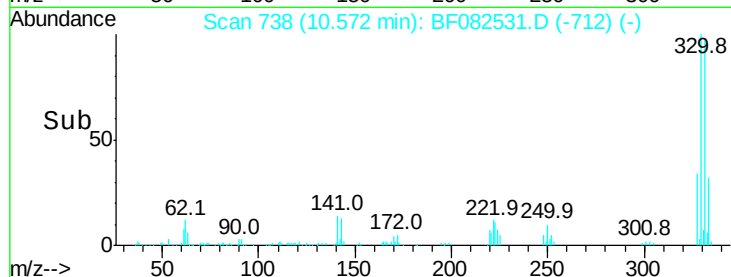
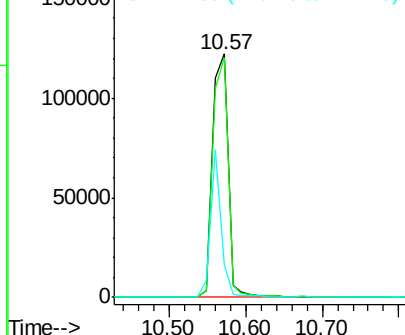
#41
 2,4,6-Tribromophenol
 Concen: 122.58 ng
 RT: 10.57 min Scan# 738
 Delta R.T. -0.00 min
 Lab File: BF082531.D
 Acq: 27 Oct 2015 5:06

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

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

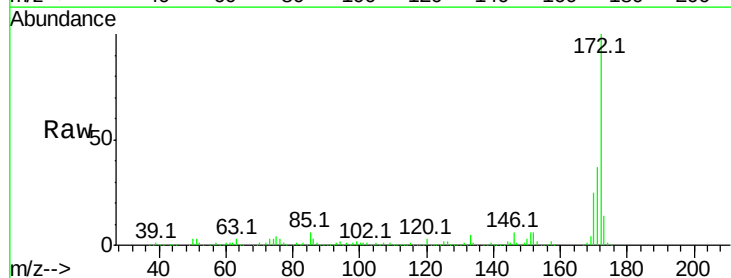


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

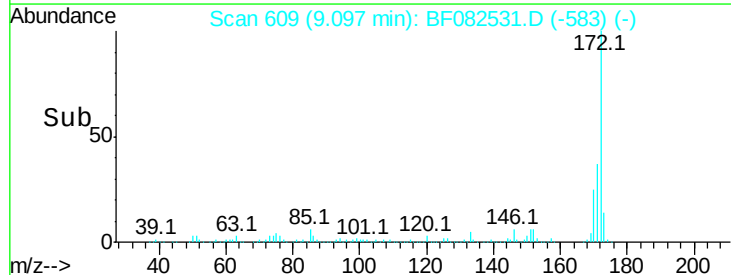
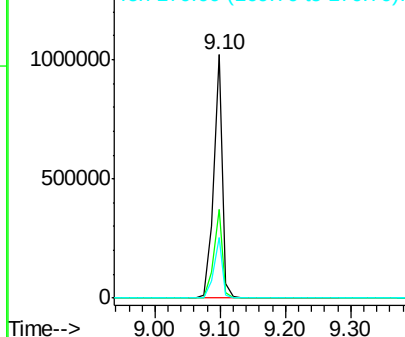


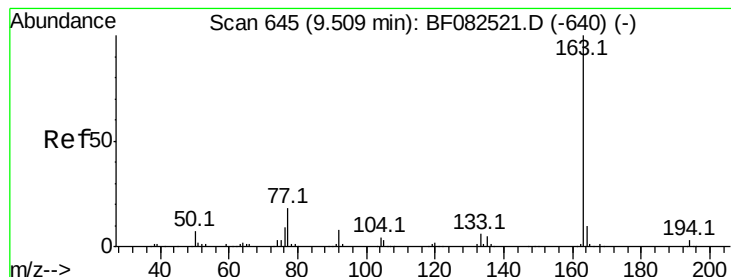
#44
 2-Fluorobiphenyl
 Concen: 82.71 ng
 RT: 9.10 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: BF082531.D
 Acq: 27 Oct 2015 5:06

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

Instrument :

BNA_F

ClientSampleId :

NB3-03(0-2)

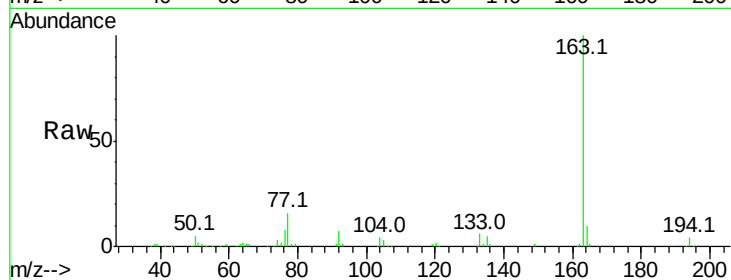
Tot Ion:163 Resp: 229731

Ion Ratio Lower Upper

163 100

194 3.7 2.8 4.2

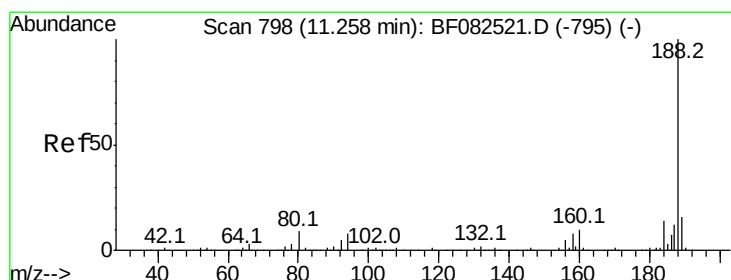
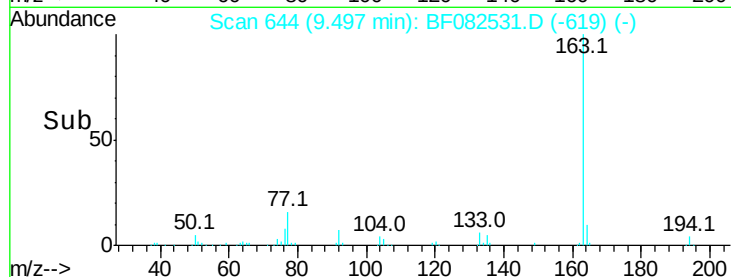
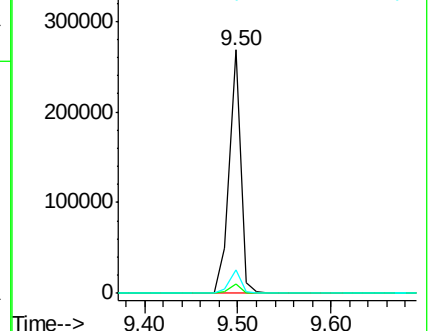
164 9.8 8.2 12.4



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



#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

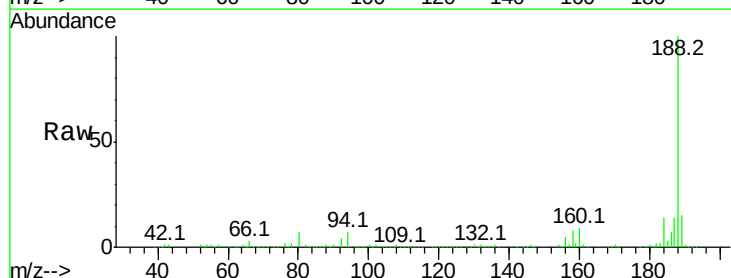
Tgt Ion:188 Resp: 330297

Ion Ratio Lower Upper

188 100

94 6.9 6.4 9.6

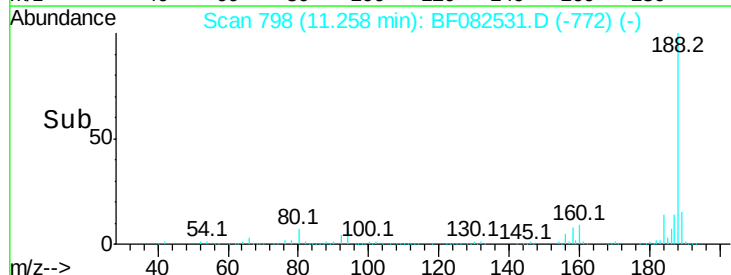
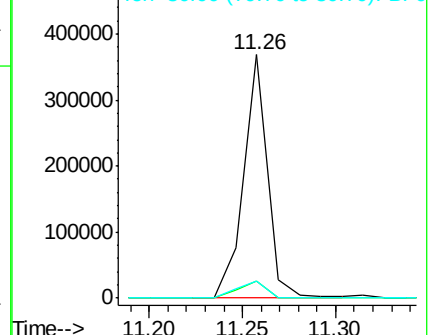
80 7.0 7.0 10.6#

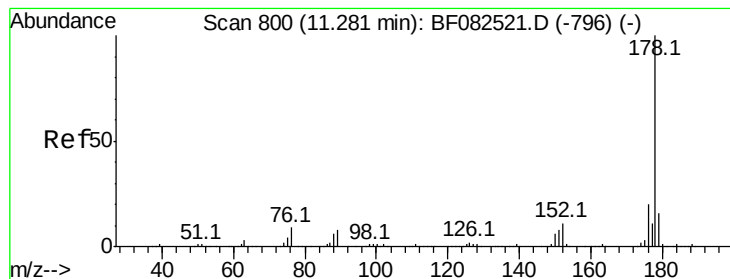


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#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)

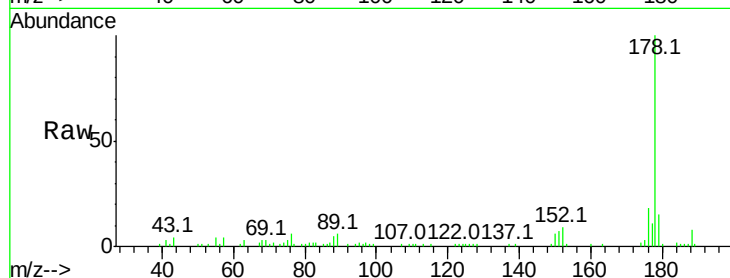
Tot Ion:178 Resp: 48372

Ion Ratio Lower Upper

178 100

176 18.2 15.9 23.9

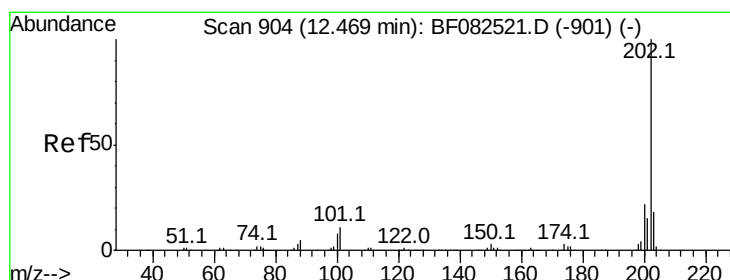
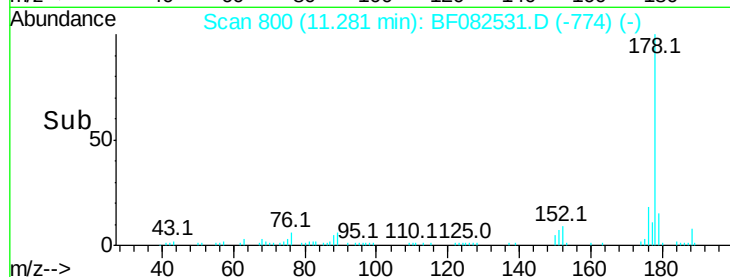
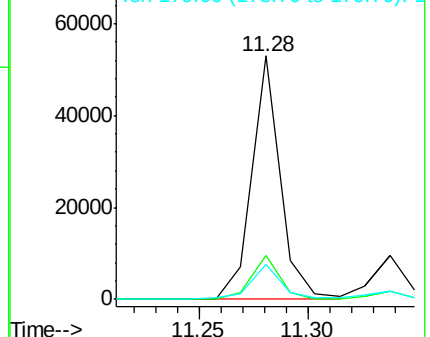
179 14.6 12.8 19.2



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: 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

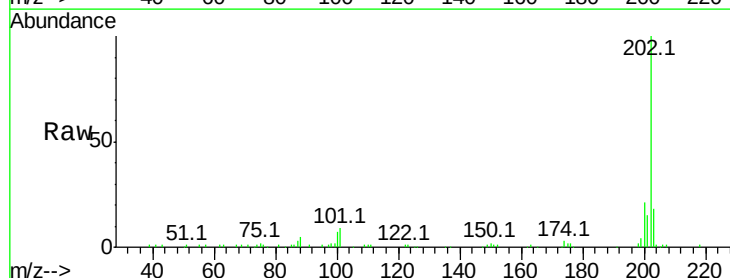
Tgt Ion:202 Resp: 76301

Ion Ratio Lower Upper

202 100

101 8.9 0.0 31.2

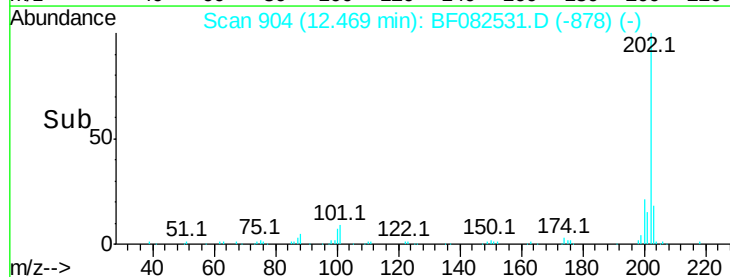
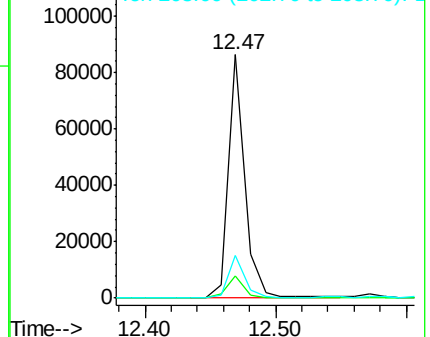
203 17.5 0.0 38.1

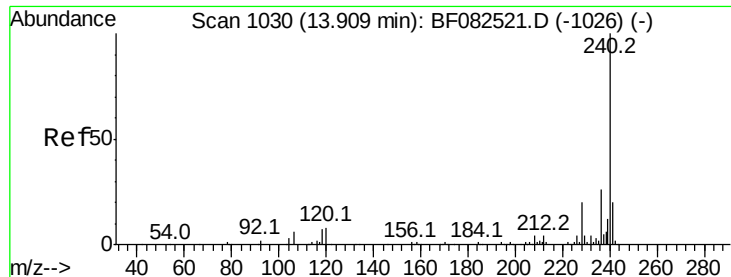


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.91 min Scan# 1030

Delta R.T. -0.00 min

Lab File: BF082531.D

Acq: 27 Oct 2015 5:06

Instrument :

BNA_F

ClientSampled :

NB3-03(0-2)

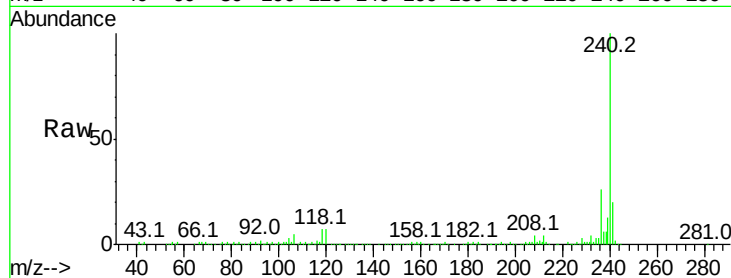
Tot Ion:240 Resp: 219541

Ion Ratio Lower Upper

240 100

120 7.3 6.5 9.7

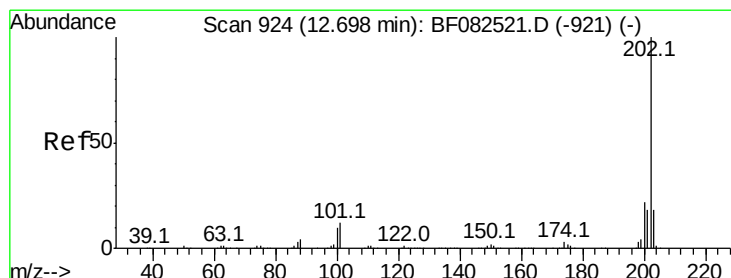
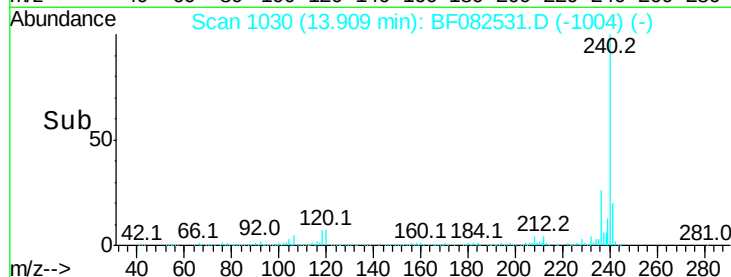
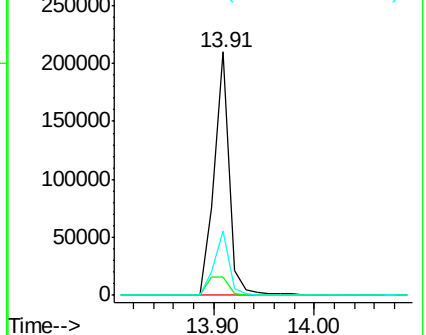
236 26.3 20.5 30.7



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

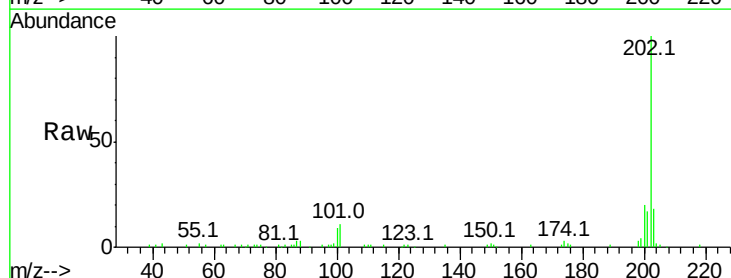
Tgt Ion:202 Resp: 67225

Ion Ratio Lower Upper

202 100

200 20.5 17.6 26.4

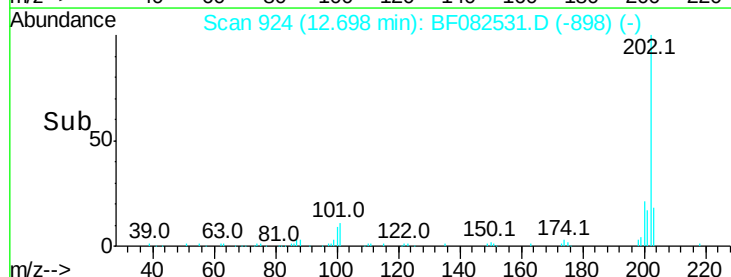
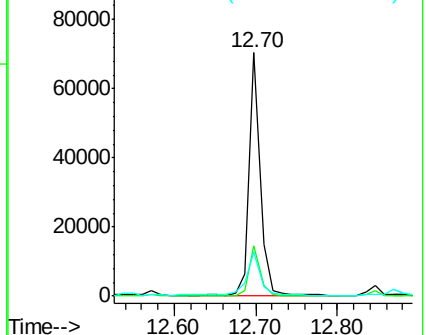
203 18.0 14.6 22.0

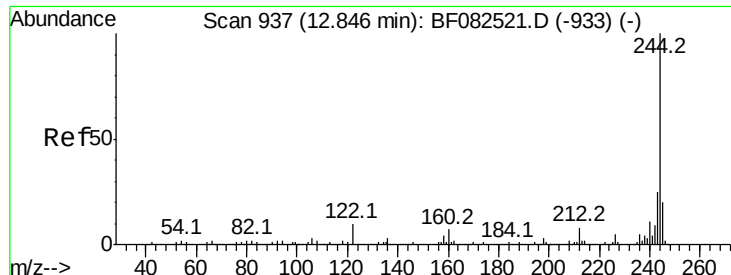


Abundance Ion 202.00 (201.70 to 202.70): E

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)

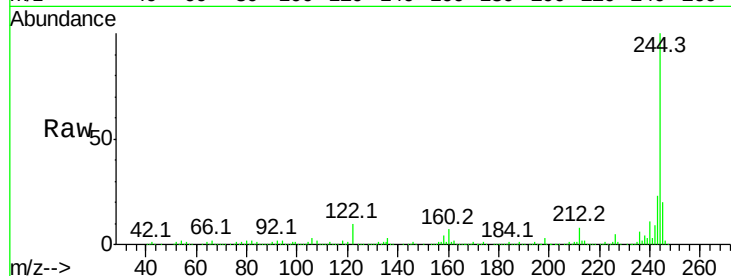
Tot Ion:244 Resp: 753253

Ion Ratio Lower Upper

244 100

212 8.0 6.4 9.6

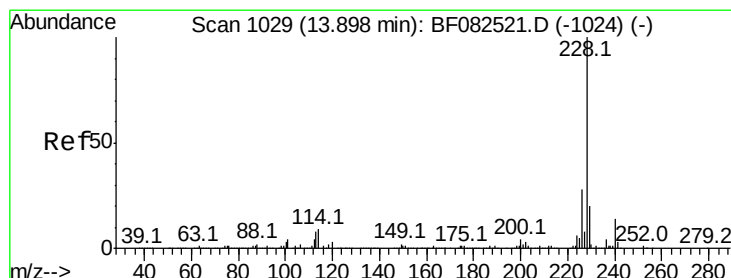
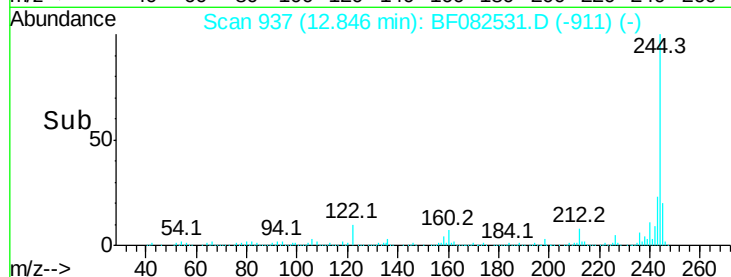
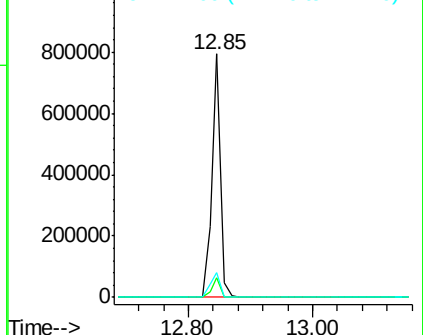
122 10.3 8.1 12.1



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 2.36 ng m

RT: 13.90 min Scan# 1029

Delta R.T. -0.00 min

Lab File: BF082531.D

Acq: 27 Oct 2015 5:06

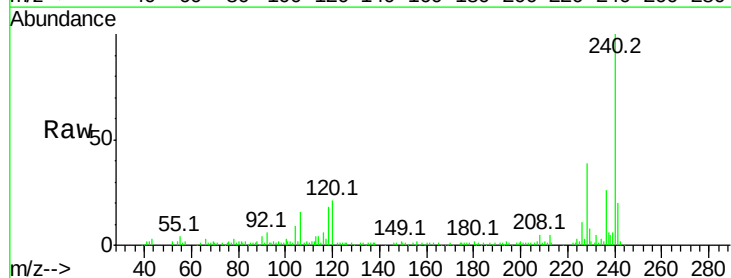
Tgt Ion:228 Resp: 27796

Ion Ratio Lower Upper

228 100

226 27.4 22.1 33.1

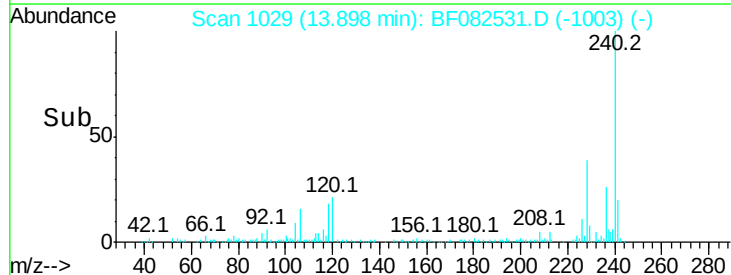
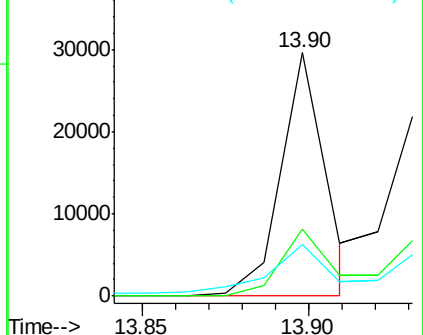
229 21.2 16.1 24.1

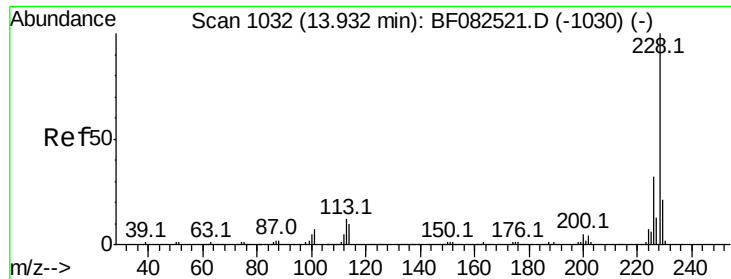


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.77 ng/mL

RT: 13.93 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BF082531.D

Acq: 27 Oct 2015 5:06

Instrument :

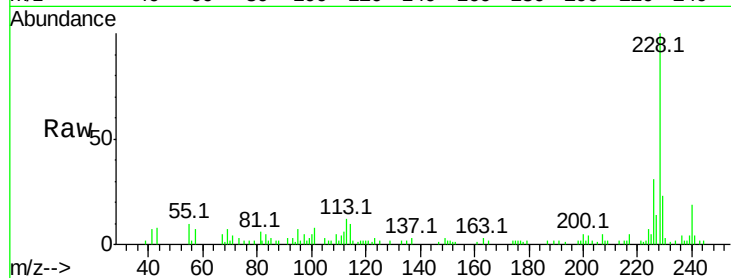
BNA_F

ClientSampleId :

NB3-03(0-2)

Tot Ion:228 Resp: 30809

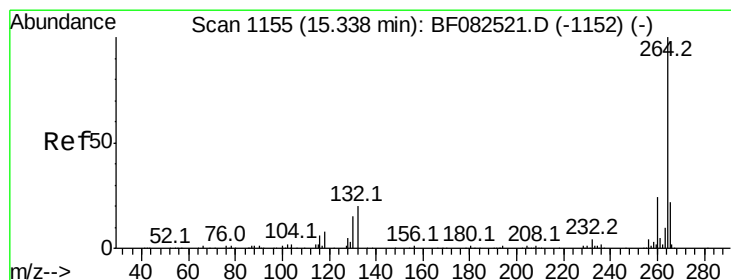
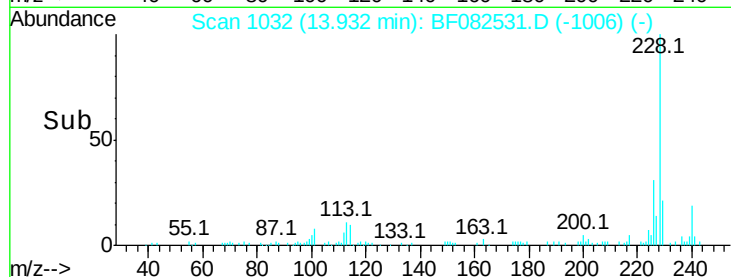
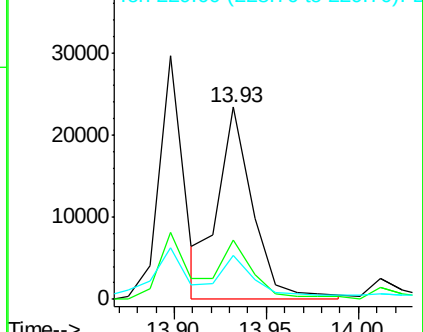
Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.2	37.8
229	22.9	16.3	24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.35 min Scan# 1156

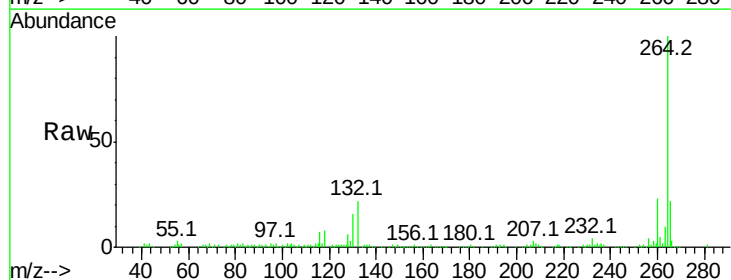
Delta R.T. 0.01 min

Lab File: BF082531.D

Acq: 27 Oct 2015 5:06

Tgt Ion:264 Resp: 214002

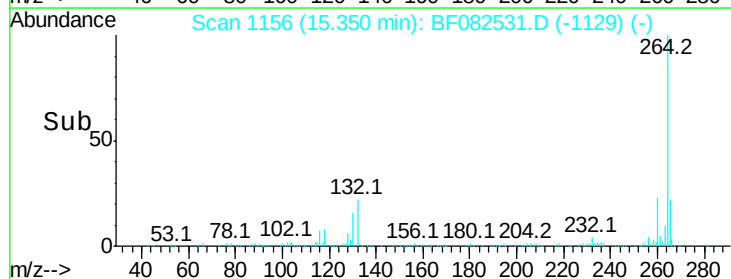
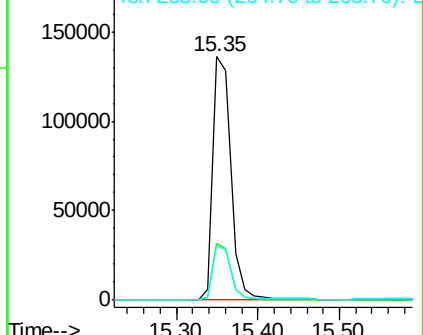
Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.0	28.6
265	22.1	17.8	26.6

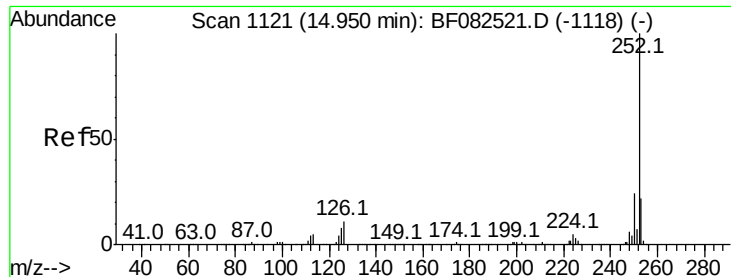


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

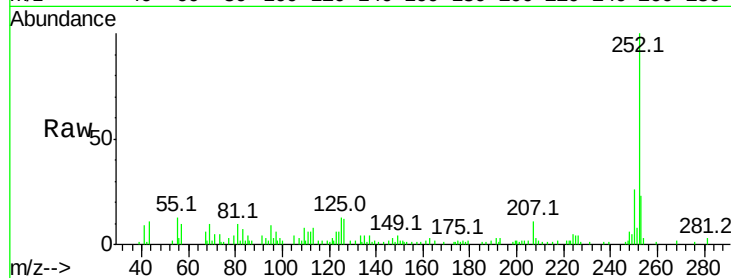




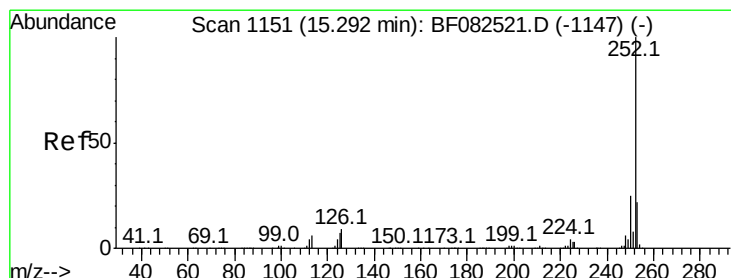
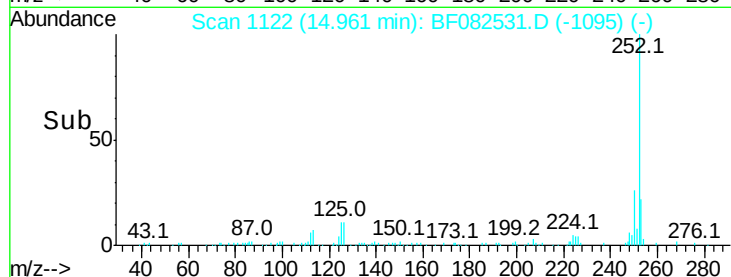
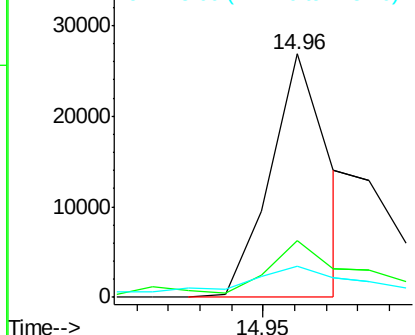
#87
Benzo(b)fluoranthene
Concen: 2.74 ng
RT: 14.96 min Scan# 1122
Delta R.T. 0.01 min
Lab File: BF082531.D
Acq: 27 Oct 2015 5:06

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

Tot Ion:252 Resp: 34784
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 13.0 6.6 10.0#

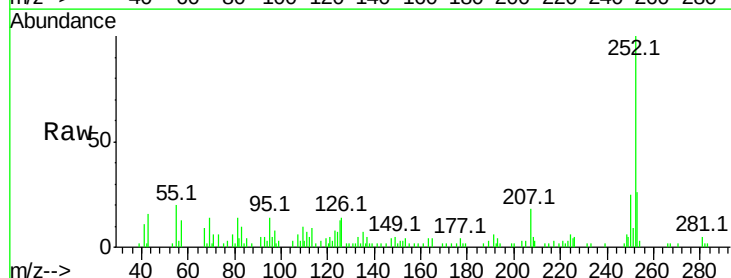


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(a)pyrene
Concen: 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

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#



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

