

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102315\
 Data File : BF082497.D
 Acq On : 24 Oct 2015 7:14
 Operator : UM/IZ
 Sample : G4116-05RE
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

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

Quant Time: Oct 24 23:19:18 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 23 15:17:13 2015
 Response via : Initial Calibration

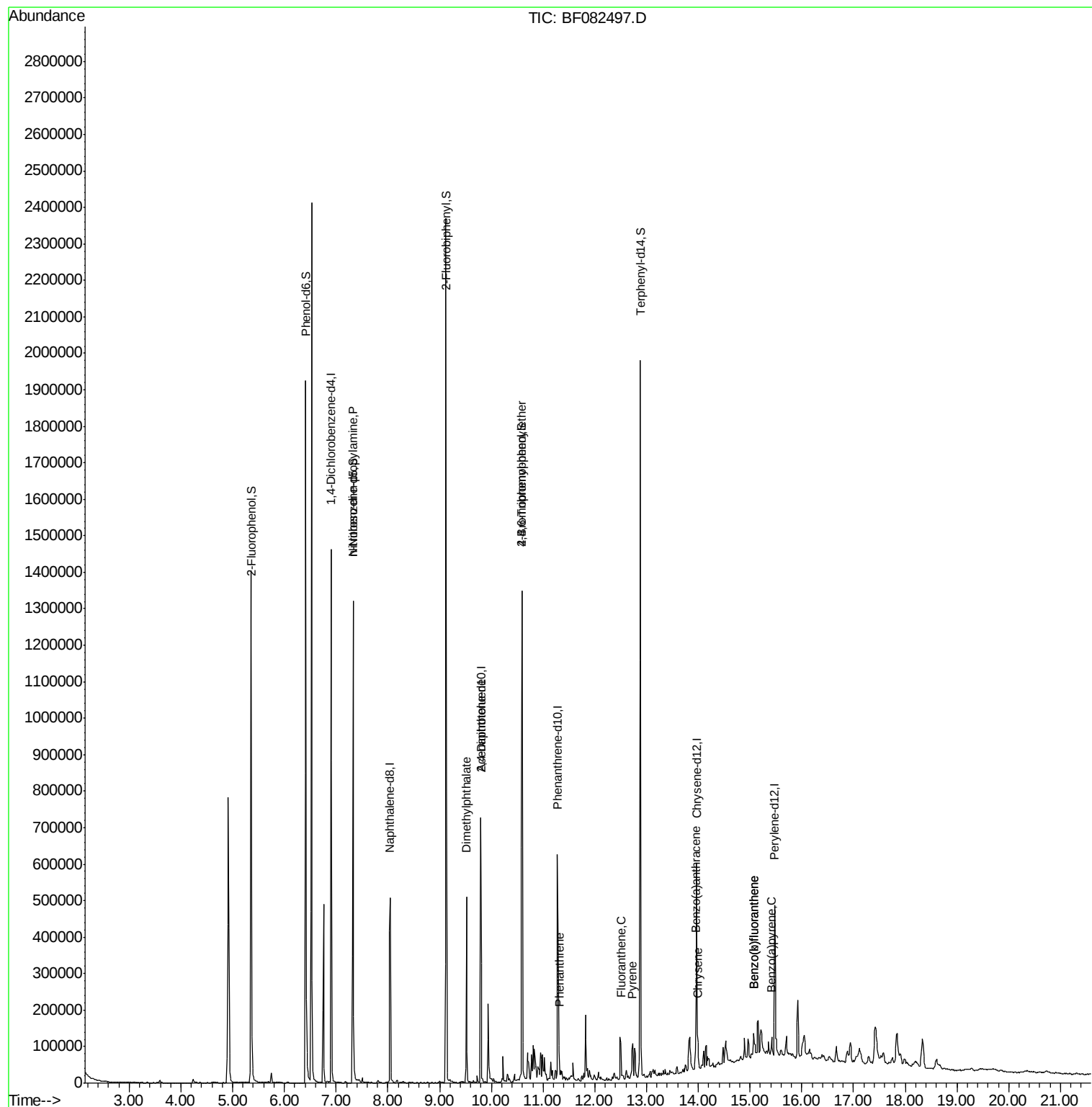
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	301055	20.00	ng	0.15
21) Naphthalene-d8	8.05	136	347865	20.00	ng	0.00
38) Acenaphthene-d10	9.79	164	166299	20.00	ng	-0.01
63) Phenanthrene-d10	11.28	188	299342	20.00	ng	-0.01
75) Chrysene-d12	13.97	240	218498	20.00	ng	-0.07
86) Perylene-d12	15.48	264	192956	20.00	ng	-0.15
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	598090	40.09	ng	0.01
7) Phenol-d6	6.41	99	802210	41.33	ng	-0.01
23) Nitrobenzene-d5	7.33	82	471975	91.11	ng	-0.01
41) 2,4,6-Tribromophenol	10.59	330	169330	108.57	ng	-0.01
44) 2-Fluorobiphenyl	9.12	172	861502	85.91	ng	-0.01
78) Terphenyl-d14	12.88	244	769331	93.30	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.33	70	62563	4.59	ng	# 80
49) Dimethylphthalate	9.52	163	208306	17.79	ng	99
55) 4-Nitrophenol	10.00	139	691	Below Cal	#	11
56) 2,4-Dinitrotoluene	9.79	165	21407	6.93	ng	# 22
66) 4-Bromophenyl-phenylether	10.59	248	13159	4.39	ng	# 1
70) Phenanthrene	11.31	178	41252	2.81	ng	97
74) Fluoranthene	12.50	202	68111	4.32	ng	98
77) Pyrene	12.73	202	59576	4.59	ng	97
80) Benzo(a)anthracene	13.96	228	30357	2.67	ng	97
82) Chrysene	13.99	228	24972	2.08	ng	98
87) Benzo(b)fluoranthene	15.08	252	45013	3.83	ng	# 95
88) Benzo(k)fluoranthene	15.08	252	45013	4.56	ng	# 93
89) Benzo(a)pyrene	15.42	252	22168	2.20	ng	# 97

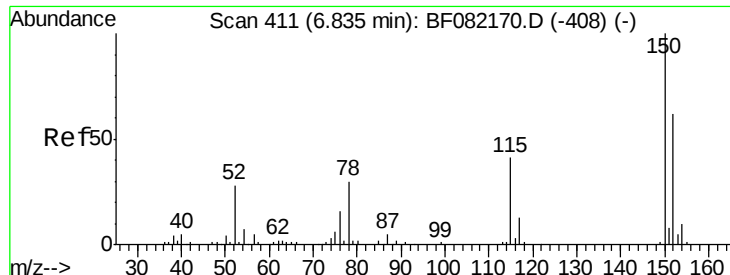
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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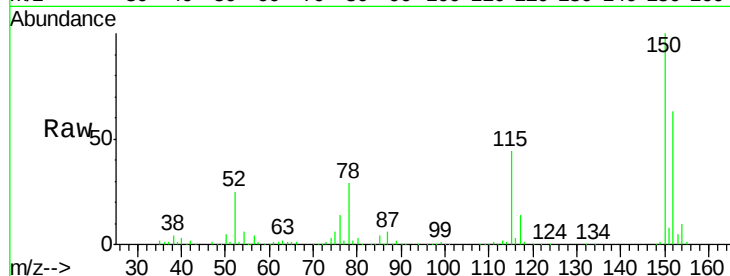


#1

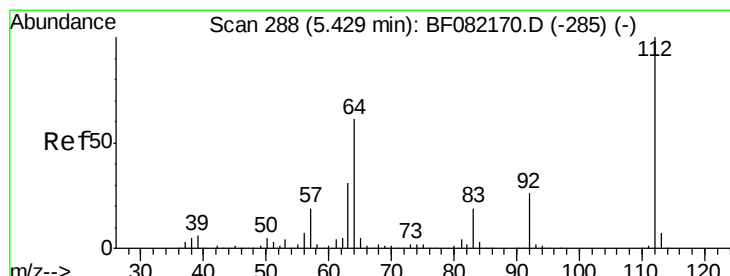
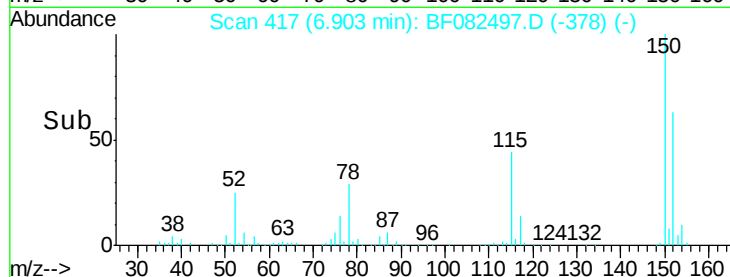
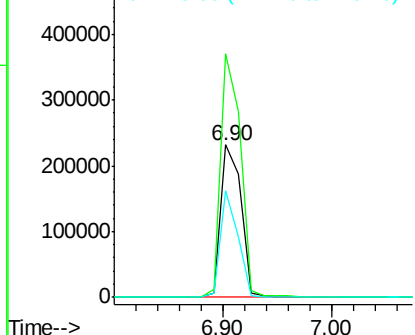
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 417
Delta R.T. 0.15 min
Lab File: BF082497.D
Acq: 24 Oct 2015 7:14

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

Tgt Ion:152 Resp: 301055
Ion Ratio Lower Upper
152 100
150 160.0 129.0 193.4
115 70.5 52.1 78.1



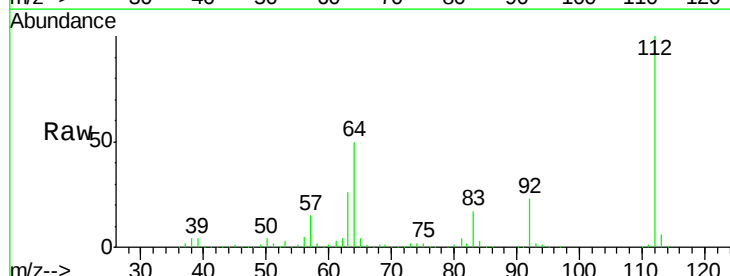
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



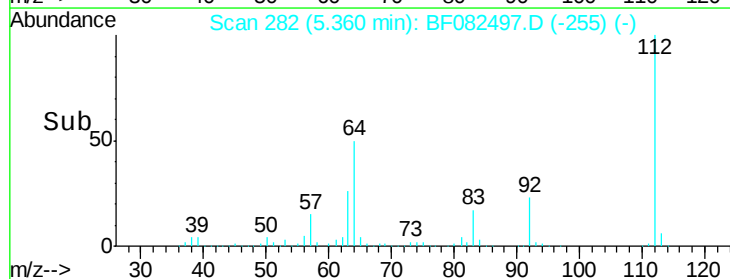
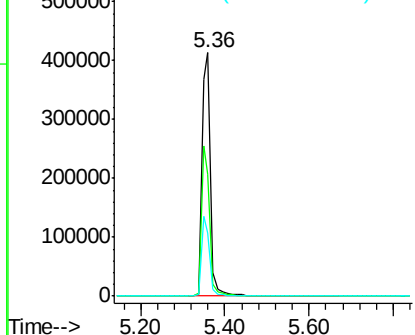
#5

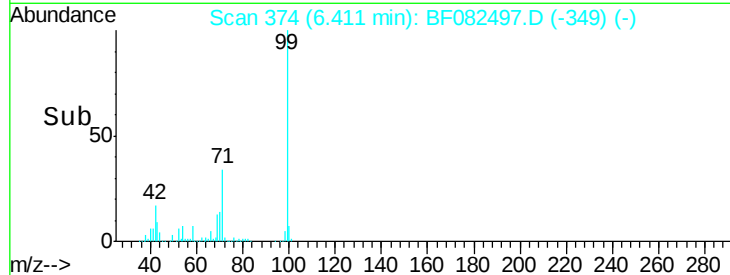
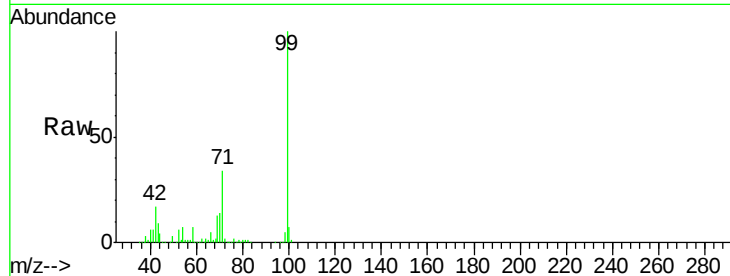
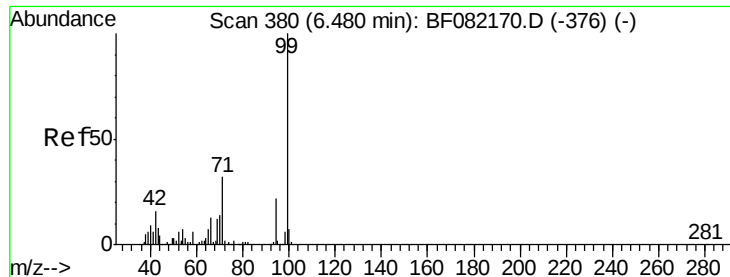
2-Fluorophenol
Concen: 40.09 ng
RT: 5.36 min Scan# 282
Delta R.T. 0.01 min
Lab File: BF082497.D
Acq: 24 Oct 2015 7:14

Tgt Ion:112 Resp: 598090
Ion Ratio Lower Upper
112 100
64 50.0 48.6 73.0
63 25.7 25.1 37.7



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

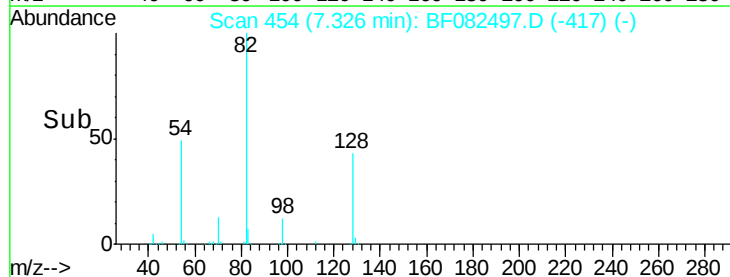
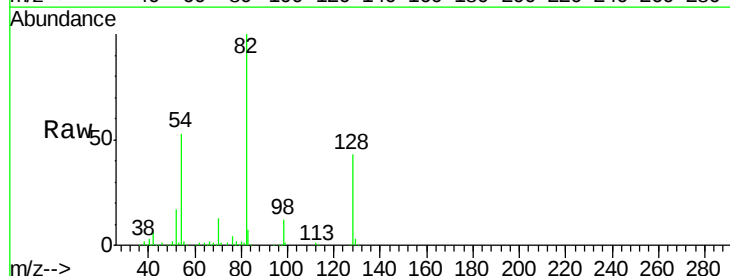
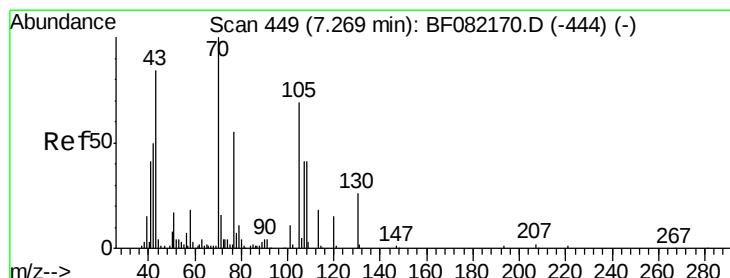
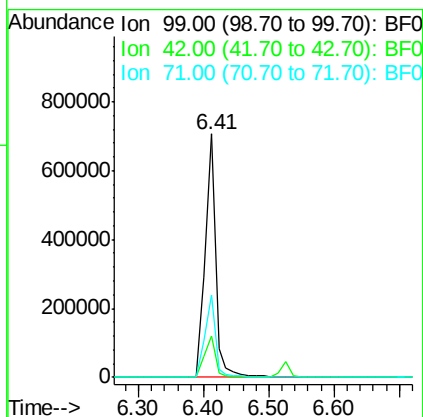




#7
Phenol-d6
Concen: 41.33 ng
RT: 6.41 min Scan# 374
Delta R.T. -0.01 min
Lab File: BF082497.D
Acq: 24 Oct 2015 7:14

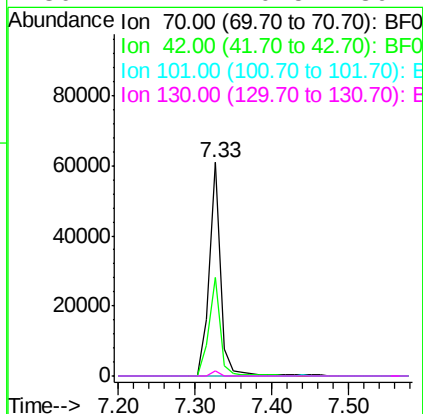
Instrument :
BNA_F
ClientSampleId :
NB3-03(0-2)

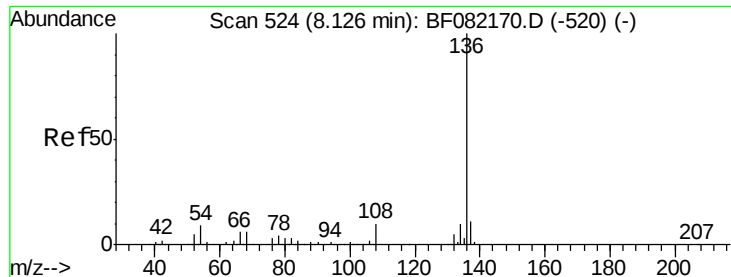
Tgt Ion	Ratio	Lower	Upper
99	100		
42	17.0	13.2	19.8
71	34.0	25.6	38.4



#19
n-Nitroso-di-n-propylamine
Concen: 4.59 ng
RT: 7.33 min Scan# 454
Delta R.T. 0.13 min
Lab File: BF082497.D
Acq: 24 Oct 2015 7:14

Tgt Ion	Ratio	Lower	Upper
70	100		
42	46.1	39.8	59.8
101	0.0	8.6	13.0#
130	2.1	20.5	30.7#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.05 min Scan# 517

Delta R.T. -0.00 min

Lab File: BF082497.D

Acq: 24 Oct 2015 7:14

Instrument :

BNA_F

ClientSampleId :

NB3-03(0-2)

Tgt Ion:136 Resp: 347865

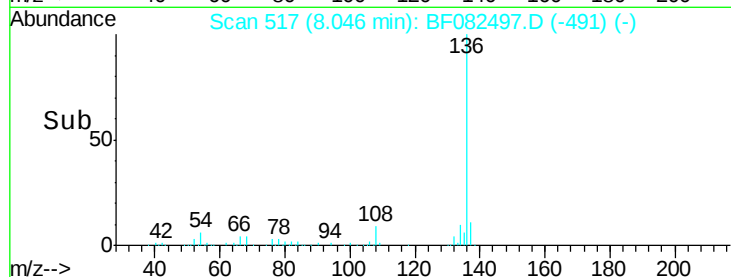
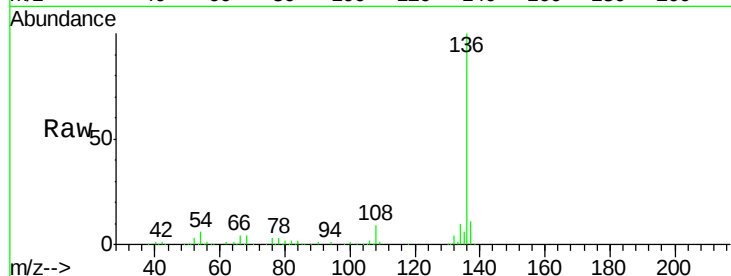
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.6

54 5.7 7.5 11.3#

68 3.8 4.6 7.0#



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

Time-->

8.05

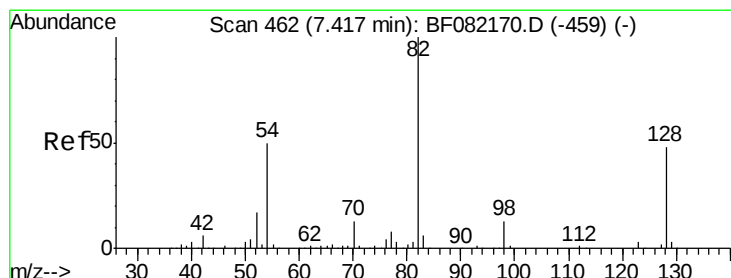
300000

200000

100000

0

8.00 8.20 8.40



#23

Nitrobenzene-d5

Concen: 91.11 ng

RT: 7.33 min Scan# 454

Delta R.T. -0.01 min

Lab File: BF082497.D

Acq: 24 Oct 2015 7:14

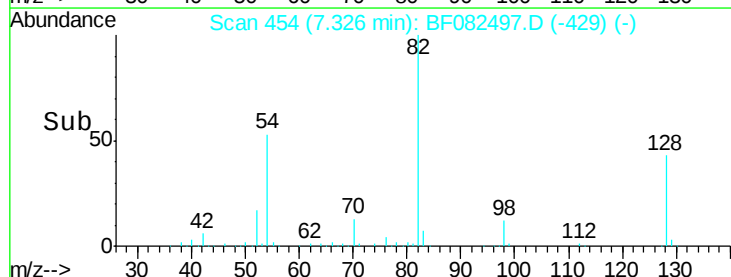
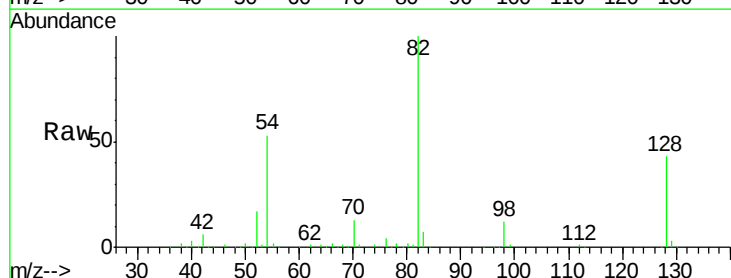
Tgt Ion: 82 Resp: 471975

Ion Ratio Lower Upper

82 100

128 43.1 38.7 58.1

54 53.4 40.1 60.1



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

Time-->

7.33

600000

500000

400000

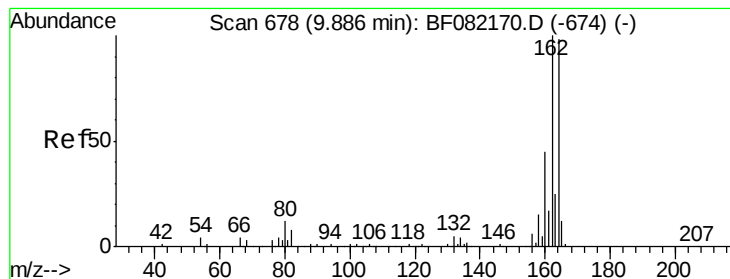
300000

200000

100000

0

7.20 7.40 7.60



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.79 min Scan# 670

Delta R.T. -0.01 min

Lab File: BF082497.D

Acq: 24 Oct 2015 7:14

Instrument :

BNA_F

ClientSampleId :

NB3-03(0-2)

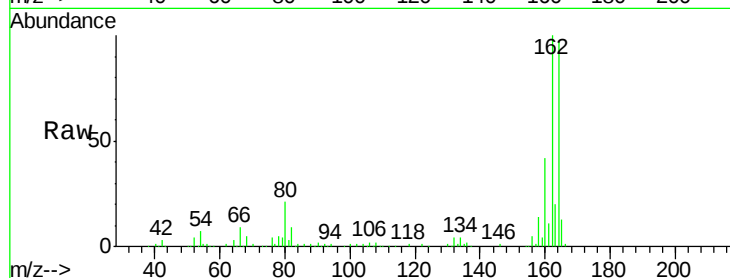
Tgt Ion:164 Resp: 166299

Ion Ratio Lower Upper

164 100

162 102.8 81.6 122.4

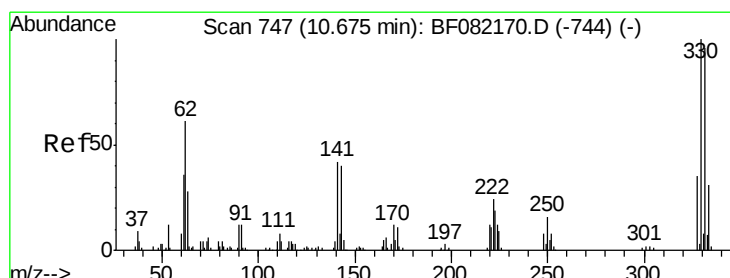
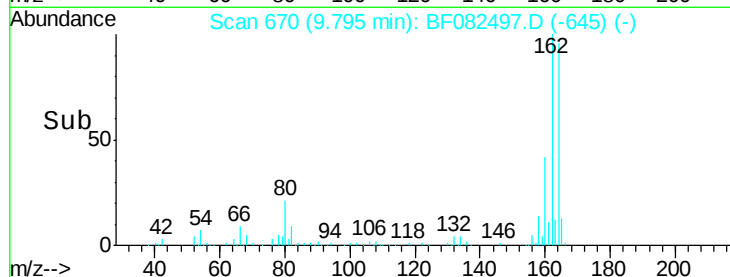
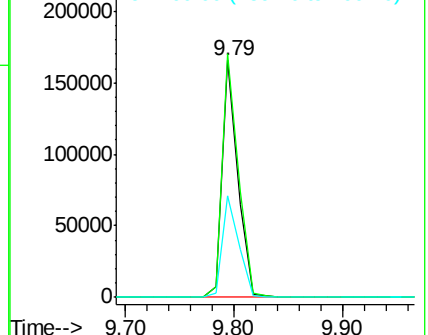
160 43.1 36.4 54.6



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: 108.57 ng

RT: 10.59 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF082497.D

Acq: 24 Oct 2015 7:14

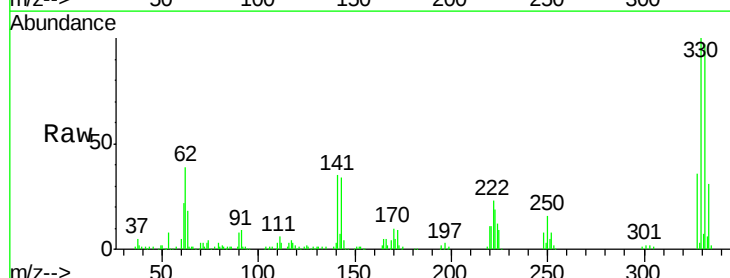
Tgt Ion:330 Resp: 169330

Ion Ratio Lower Upper

330 100

332 97.2 77.1 115.7

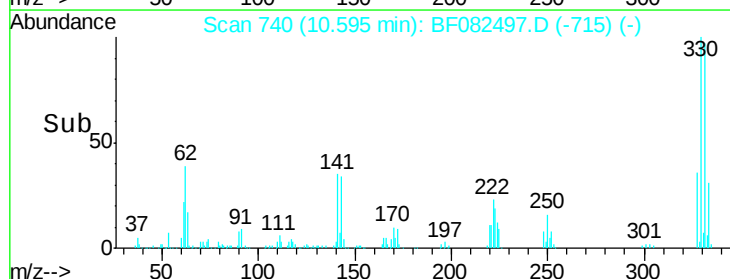
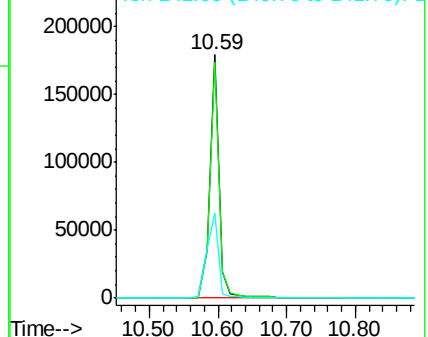
141 43.0 29.8 44.8

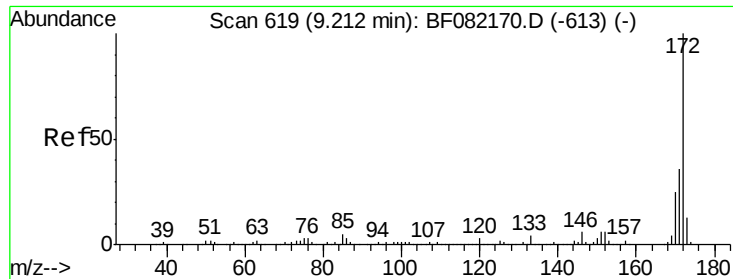


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

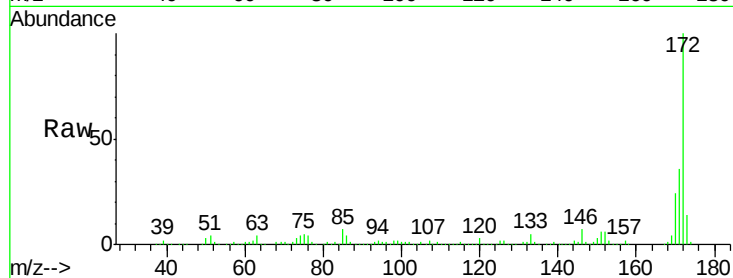




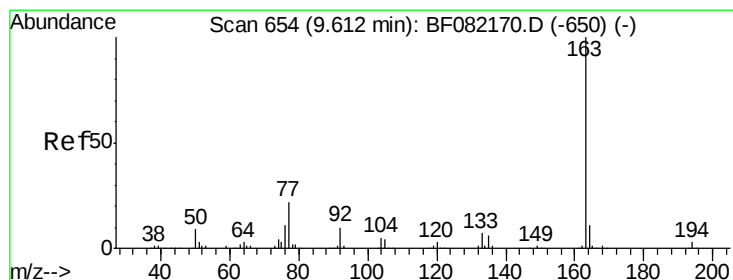
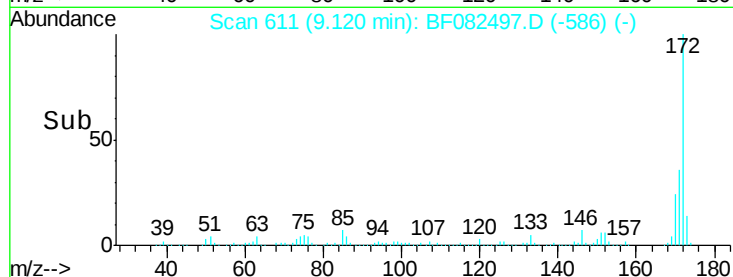
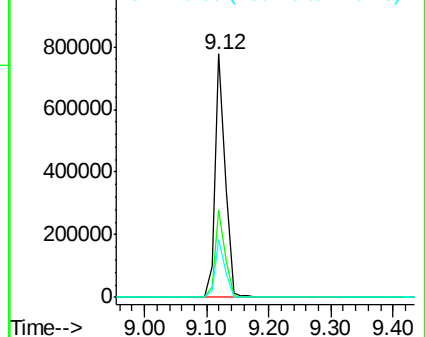
#44
 2-Fluorobiphenyl
 Concen: 85.91 ng
 RT: 9.12 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: BF082497.D
 Acq: 24 Oct 2015 7:14

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

Tgt Ion:172 Resp: 861502
 Ion Ratio Lower Upper
 172 100
 171 36.0 28.6 42.8
 170 24.1 19.7 29.5

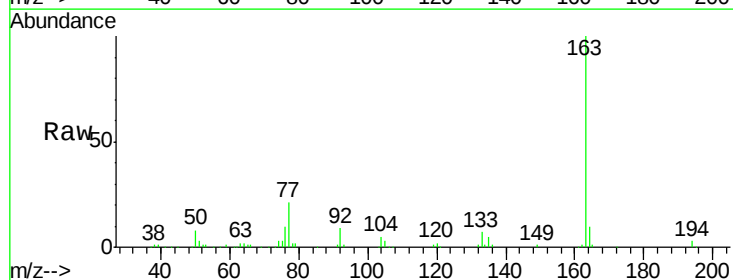


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

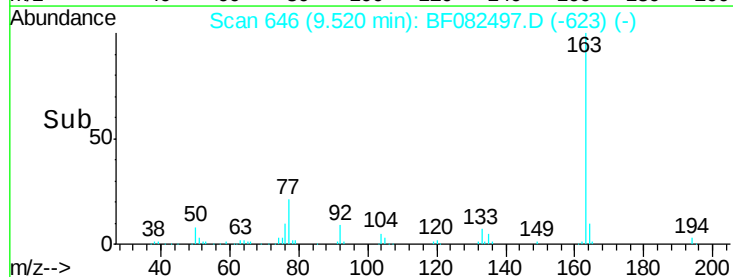
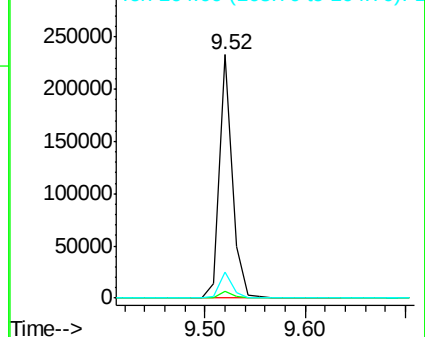


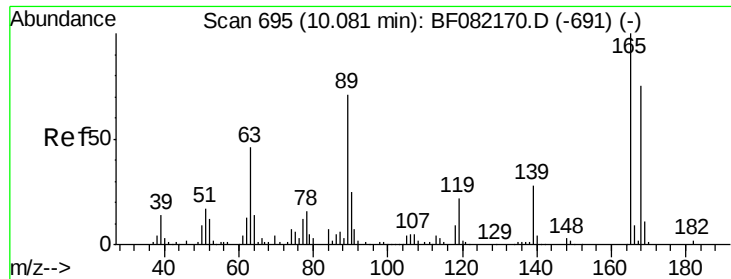
#49
 Dimethylphthalate
 Concen: 17.79 ng
 RT: 9.52 min Scan# 646
 Delta R.T. -0.03 min
 Lab File: BF082497.D
 Acq: 24 Oct 2015 7:14

Tgt Ion:163 Resp: 208306
 Ion Ratio Lower Upper
 163 100
 194 3.0 2.6 4.0
 164 10.4 8.5 12.7



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

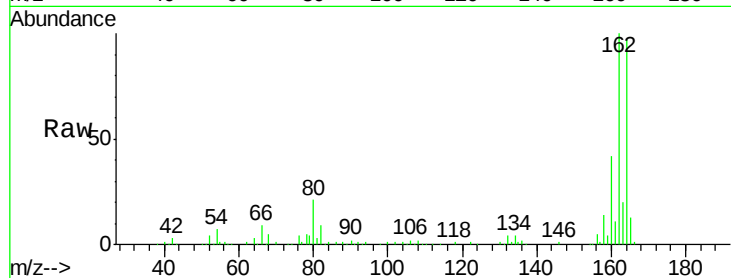




#56
2,4-Dinitrotoluene
Concen: 6.93 ng
RT: 9.79 min Scan# 670
Delta R.T. -0.23 min
Lab File: BF082497.D
Acq: 24 Oct 2015 7:14

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

Tgt Ion:	165	Resp:	21407
Ion Ratio	Lower	Upper	
165	100		
63	0.0	38.6	58.0#
89	1.7	57.0	85.6#
182	0.0	1.8	2.6#

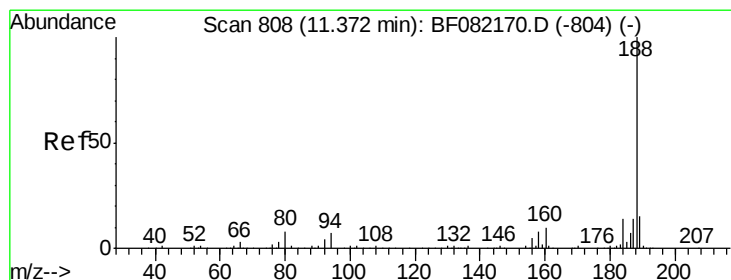
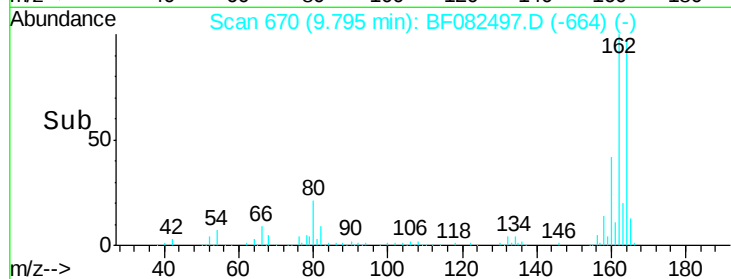
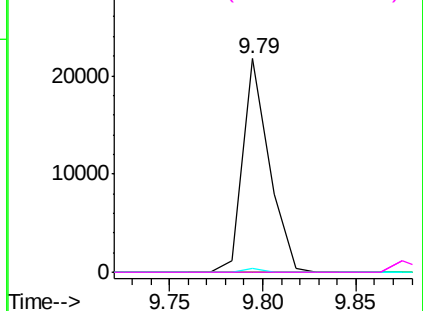


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

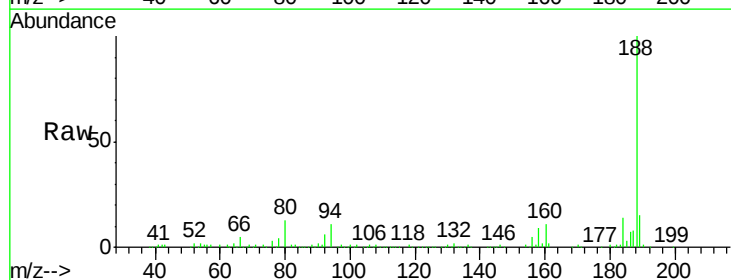
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.28 min Scan# 800
Delta R.T. -0.01 min
Lab File: BF082497.D
Acq: 24 Oct 2015 7:14

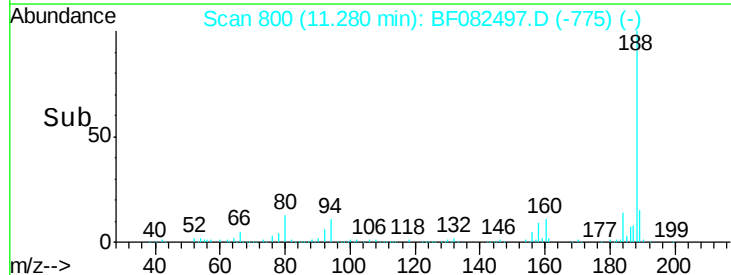
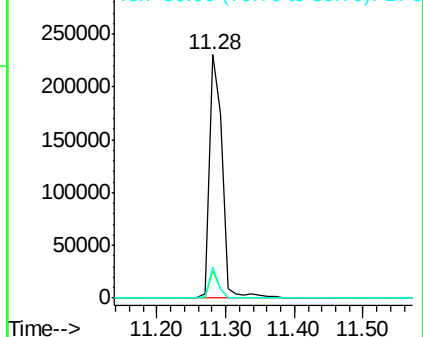
Tgt Ion:	188	Resp:	299342
Ion Ratio	Lower	Upper	
188	100		
94	11.4	5.8	8.6#
80	12.9	6.4	9.6#

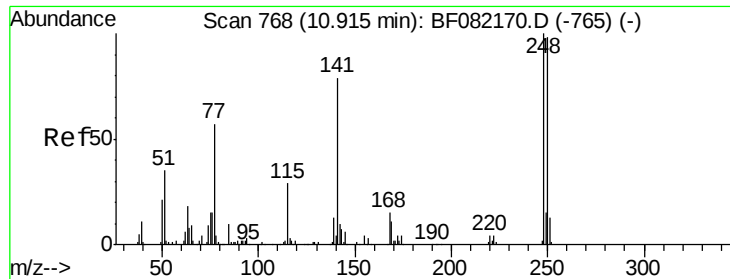


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

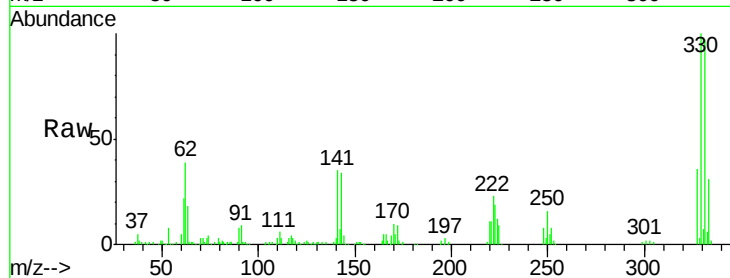




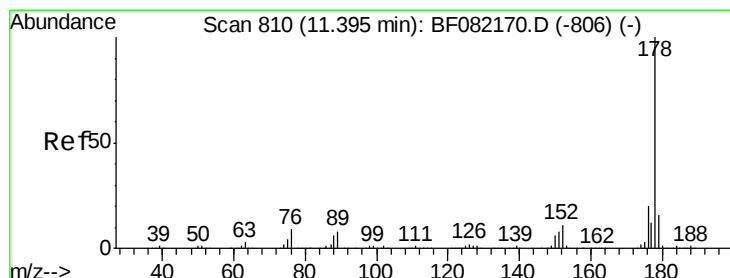
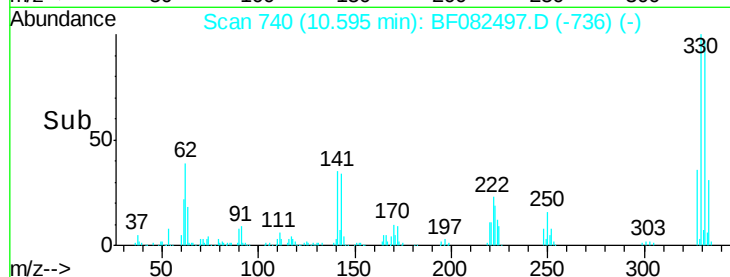
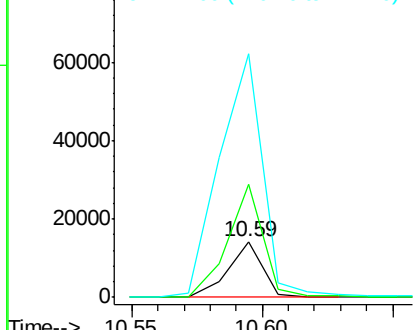
#66
 4-Bromophenyl-phenylether
 Concen: 4.39 ng
 RT: 10.59 min Scan# 740
 Delta R.T. -0.25 min
 Lab File: BF082497.D
 Acq: 24 Oct 2015 7:14

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

Tgt Ion:248 Resp: 13159
 Ion Ratio Lower Upper
 248 100
 250 203.6 78.6 117.8#
 141 438.6 63.3 94.9#

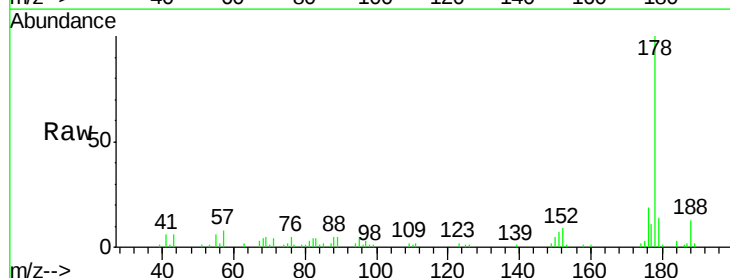


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

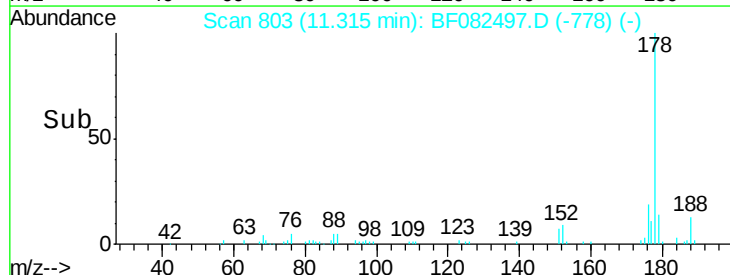
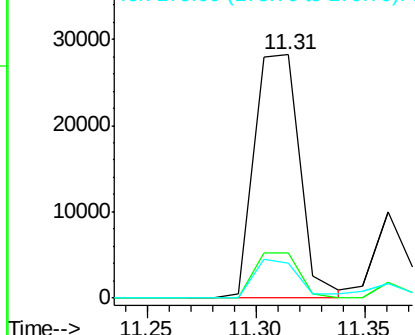


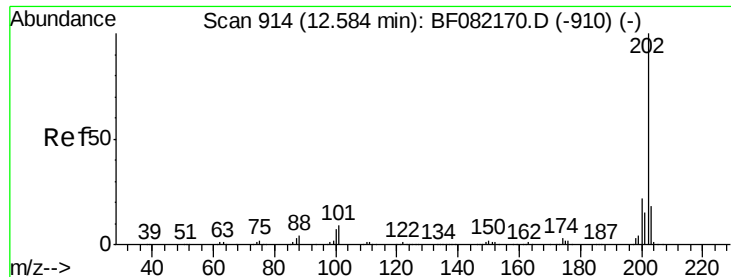
#70
 Phenanthrene
 Concen: 2.81 ng
 RT: 11.31 min Scan# 803
 Delta R.T. -0.01 min
 Lab File: BF082497.D
 Acq: 24 Oct 2015 7:14

Tgt Ion:178 Resp: 41252
 Ion Ratio Lower Upper
 178 100
 176 18.7 16.0 24.0
 179 14.4 12.6 19.0



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: 4.32 ng

RT: 12.50 min Scan# 907

Delta R.T. -0.01 min

Lab File: BF082497.D

Acq: 24 Oct 2015 7:14

Instrument :

BNA_F

ClientSampleId :

NB3-03(0-2)

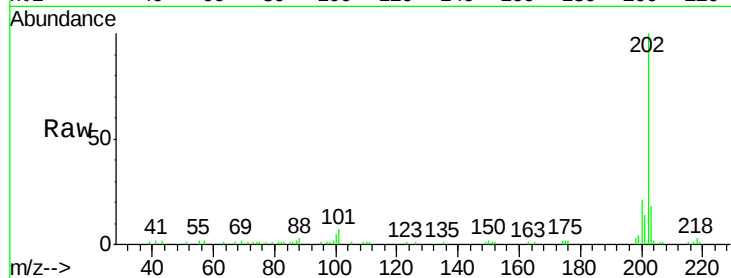
Tgt Ion:202 Resp: 68111

Ion Ratio Lower Upper

202 100

101 6.9 0.0 29.3

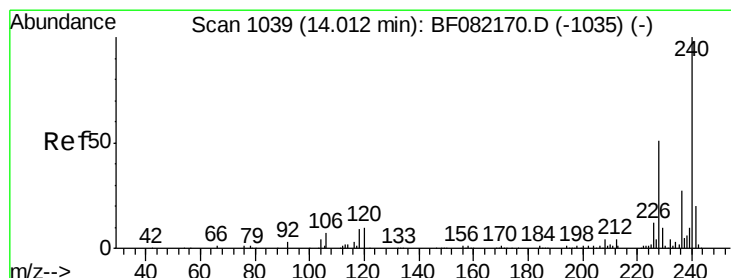
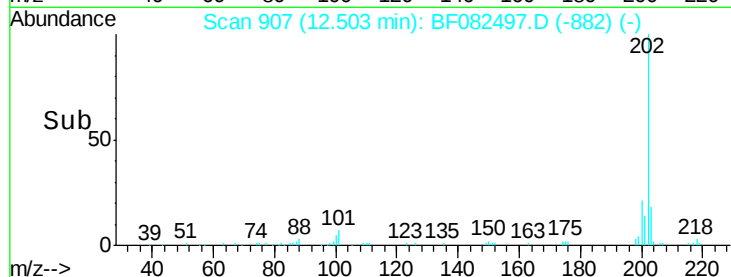
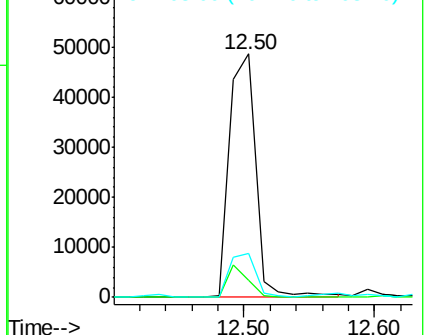
203 18.0 0.0 37.8



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: 13.97 min Scan# 1035

Delta R.T. -0.07 min

Lab File: BF082497.D

Acq: 24 Oct 2015 7:14

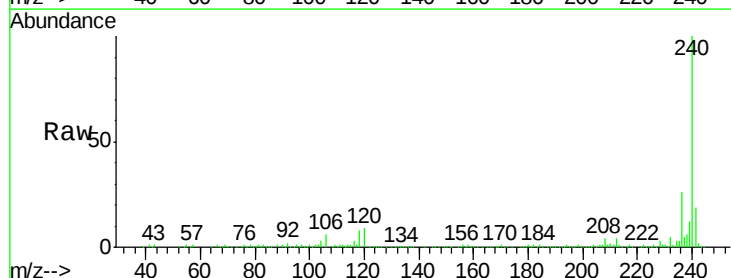
Tgt Ion:240 Resp: 218498

Ion Ratio Lower Upper

240 100

120 8.7 8.1 12.1

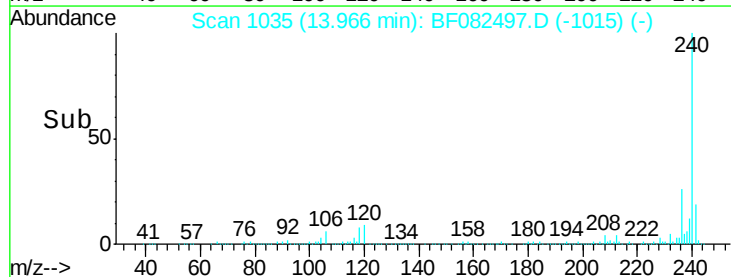
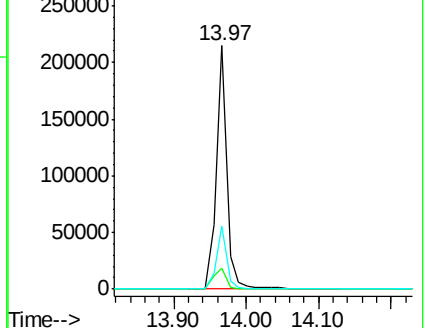
236 25.7 21.3 31.9

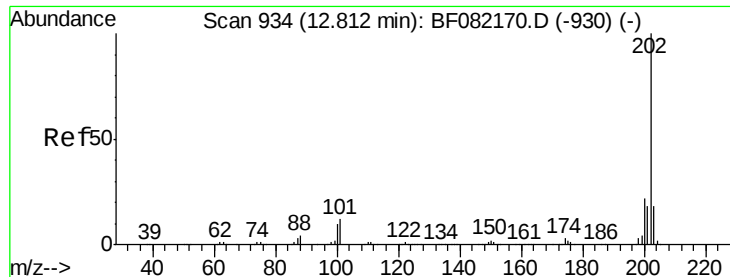


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

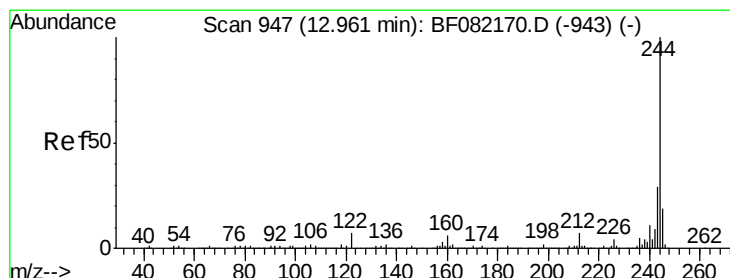
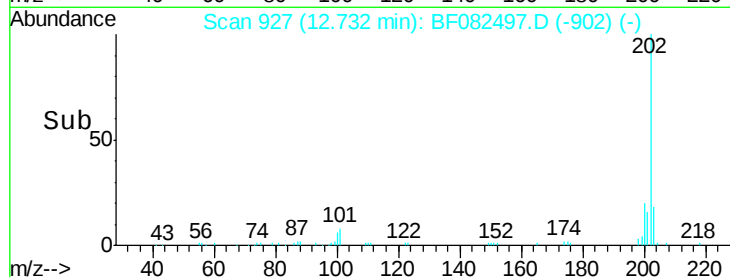
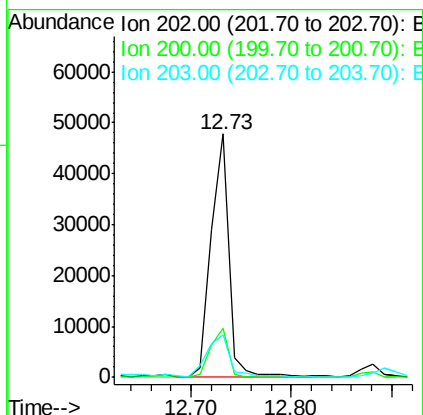
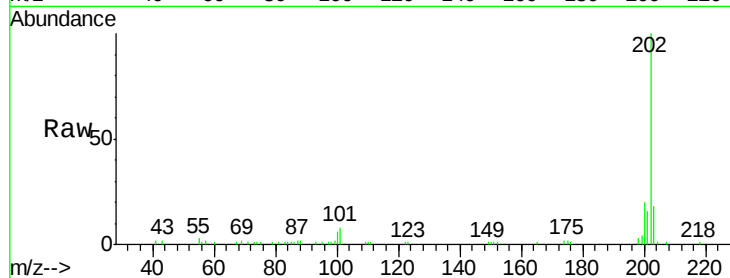




#77
 Pyrene
 Concen: 4.59 ng
 RT: 12.73 min Scan# 927
 Delta R.T. -0.01 min
 Lab File: BF082497.D
 Acq: 24 Oct 2015 7:14

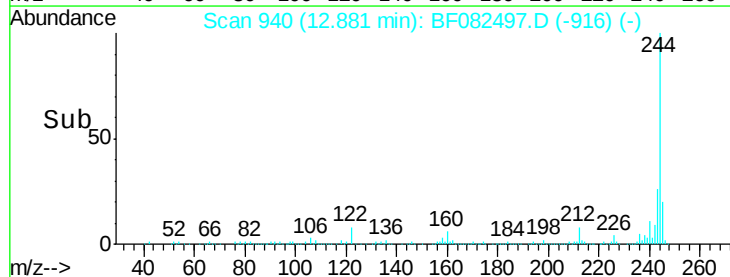
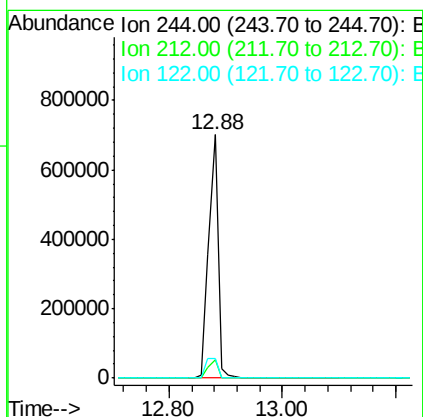
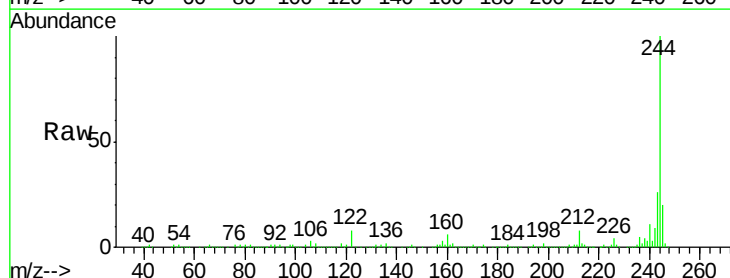
Instrument :
 BNA_F
 ClientSampleId :
 NB3-03(0-2)

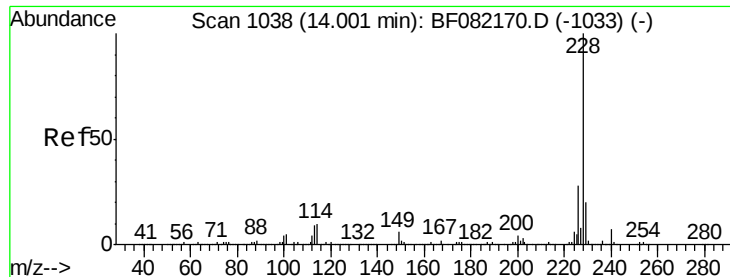
Tgt Ion: 202 Resp: 59576
 Ion Ratio Lower Upper
 202 100
 200 20.4 17.9 26.9
 203 17.5 14.5 21.7



#78
 Terphenyl-d14
 Concen: 93.30 ng
 RT: 12.88 min Scan# 940
 Delta R.T. -0.02 min
 Lab File: BF082497.D
 Acq: 24 Oct 2015 7:14

Tgt Ion: 244 Resp: 769331
 Ion Ratio Lower Upper
 244 100
 212 7.7 5.8 8.6
 122 8.1 5.9 8.9





#80

Benzo(a)anthracene

Concen: 2.67 ng

RT: 13.96 min Scan# 1034

Delta R.T. -0.07 min

Lab File: BF082497.D

Acq: 24 Oct 2015 7:14

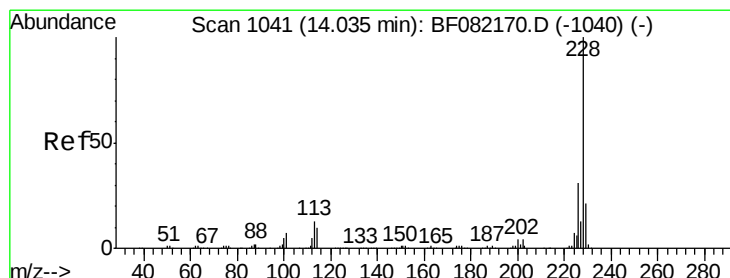
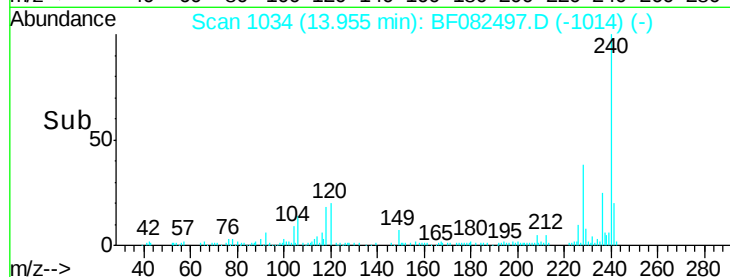
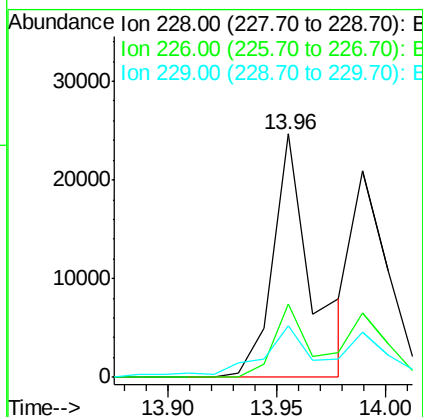
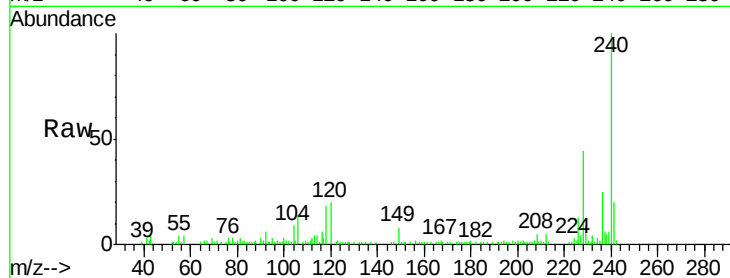
Instrument :

BNA_F

ClientSampleId :

NB3-03(0-2)

Tgt Ion:	228	Resp:	30357
Ion	Ratio	Lower	Upper
228	100		
226	29.9	22.3	33.5
229	21.1	16.2	24.2



#82

Chrysene

Concen: 2.08 ng

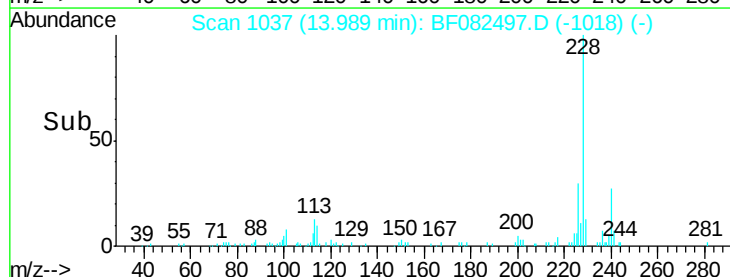
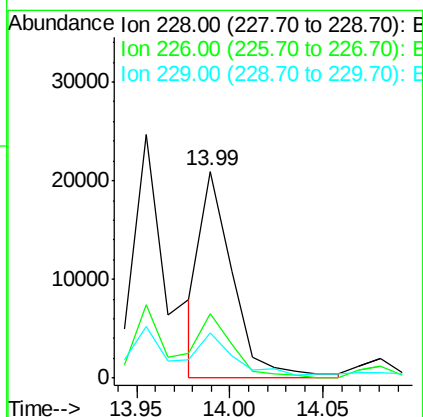
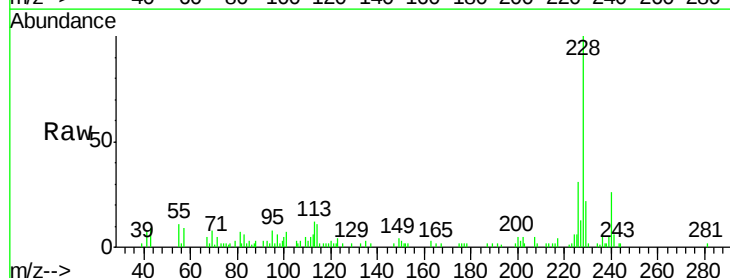
RT: 13.99 min Scan# 1037

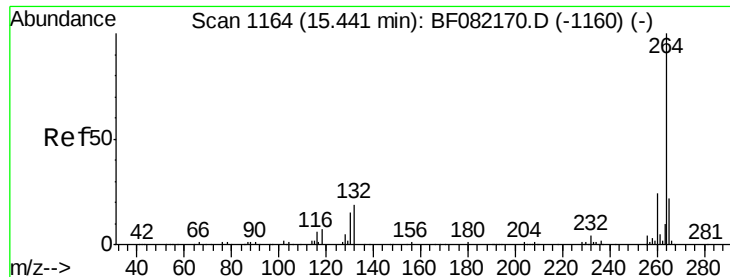
Delta R.T. -0.08 min

Lab File: BF082497.D

Acq: 24 Oct 2015 7:14

Tgt Ion:	228	Resp:	24972
Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.4	36.6
229	22.1	16.3	24.5

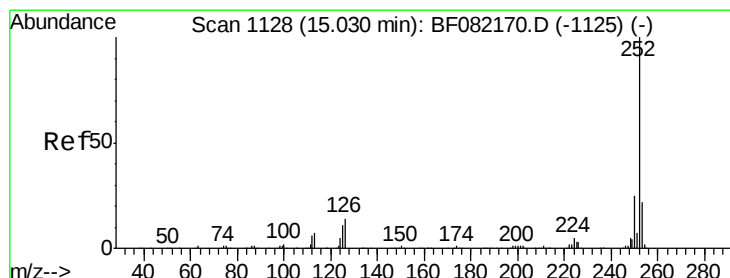
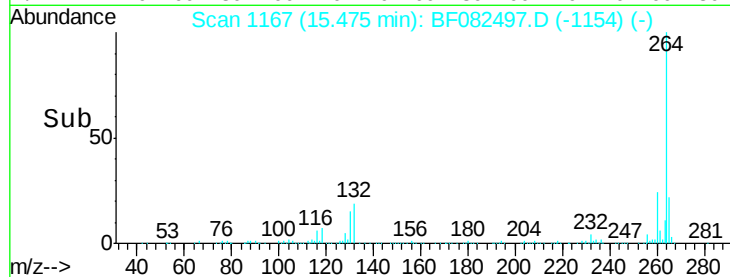
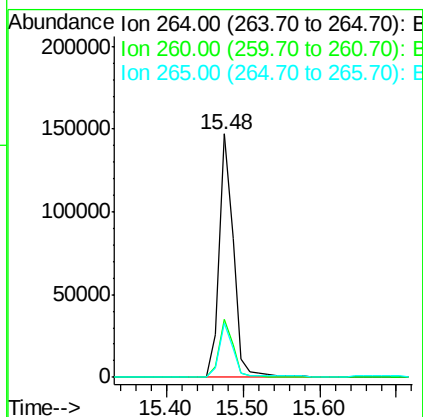
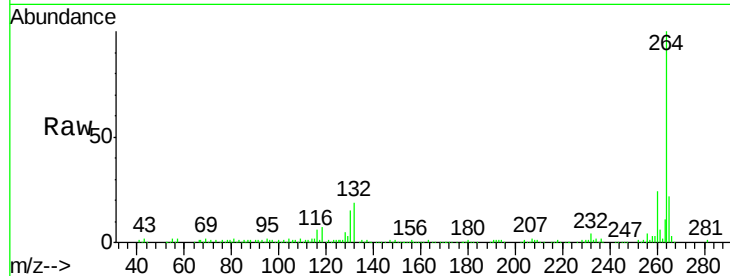




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.48 min Scan# 1167
Delta R.T. -0.15 min
Lab File: BF082497.D
Acq: 24 Oct 2015 7:14

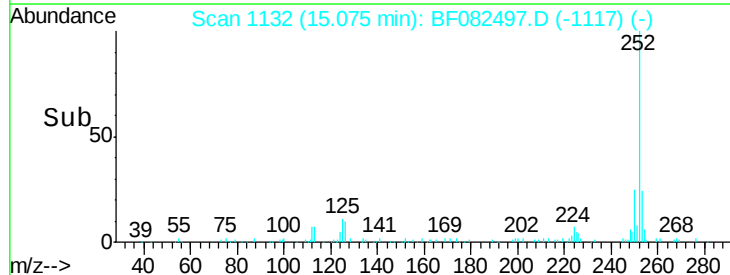
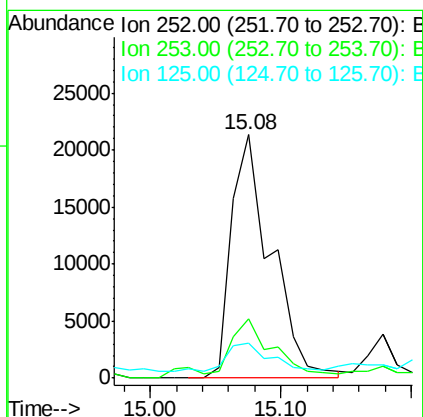
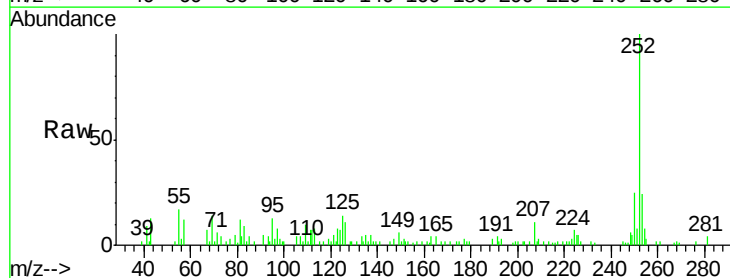
Instrument :
BNA_F
ClientSampleId :
NB3-03(0-2)

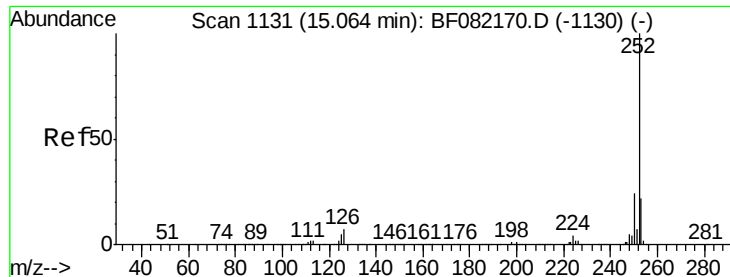
Tgt Ion: 264 Resp: 192956
Ion Ratio Lower Upper
264 100
260 23.7 19.0 28.6
265 22.5 17.3 25.9



#87
Benzo(b)fluoranthene
Concen: 3.83 ng
RT: 15.08 min Scan# 1132
Delta R.T. -0.13 min
Lab File: BF082497.D
Acq: 24 Oct 2015 7:14

Tgt Ion: 252 Resp: 45013
Ion Ratio Lower Upper
252 100
253 24.1 18.0 27.0
125 14.3 8.6 12.8#





#88

Benzo(k)fluoranthene

Concen: 4.56 ng

RT: 15.08 min Scan# 1132

Delta R.T. -0.16 min

Lab File: BF082497.D

Acq: 24 Oct 2015 7:14

Instrument :

BNA_F

ClientSampled :

NB3-03(0-2)

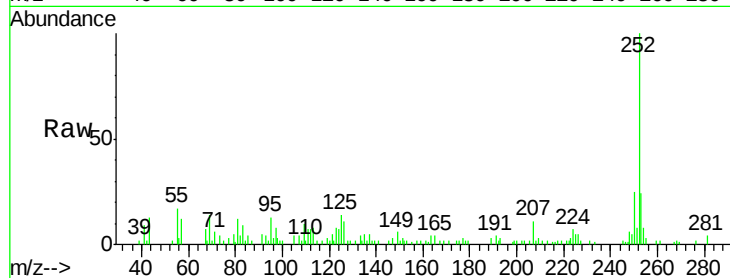
Tgt Ion:252 Resp: 45013

Ion Ratio Lower Upper

252 100

253 24.1 17.8 26.6

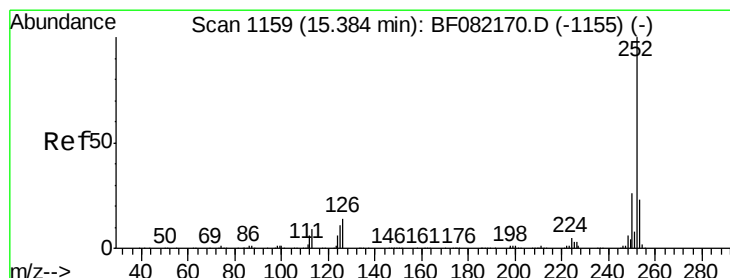
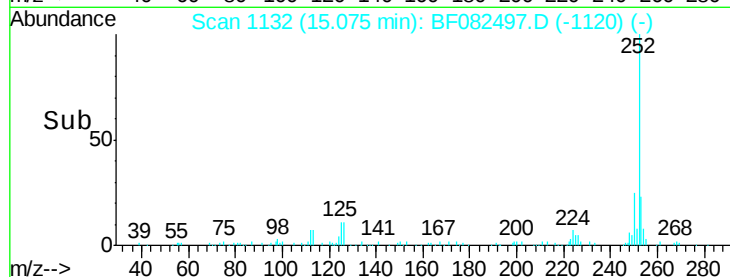
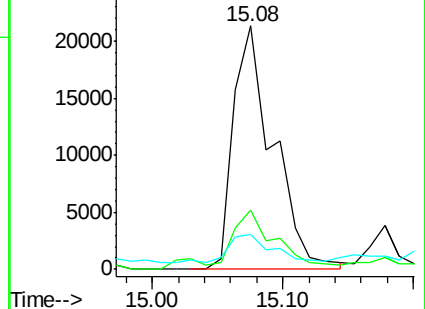
125 14.3 6.7 10.1#



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: 2.20 ng

RT: 15.42 min Scan# 1162

Delta R.T. -0.15 min

Lab File: BF082497.D

Acq: 24 Oct 2015 7:14

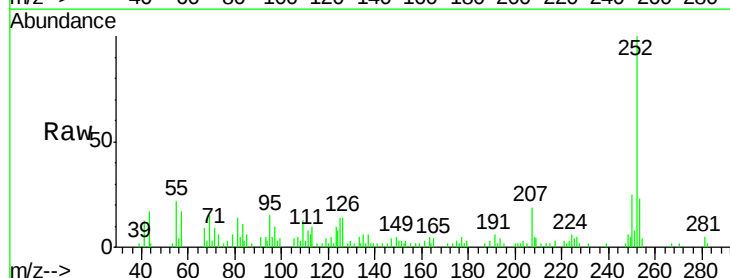
Tgt Ion:252 Resp: 22168

Ion Ratio Lower Upper

252 100

253 23.4 18.2 27.2

125 13.9 8.9 13.3#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

