

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102615\
 Data File : BF082536.D
 Acq On : 27 Oct 2015 7:30
 Operator : UM/IZ
 Sample : G4116-15RE
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

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

Quant Time: Oct 27 10:50:42 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

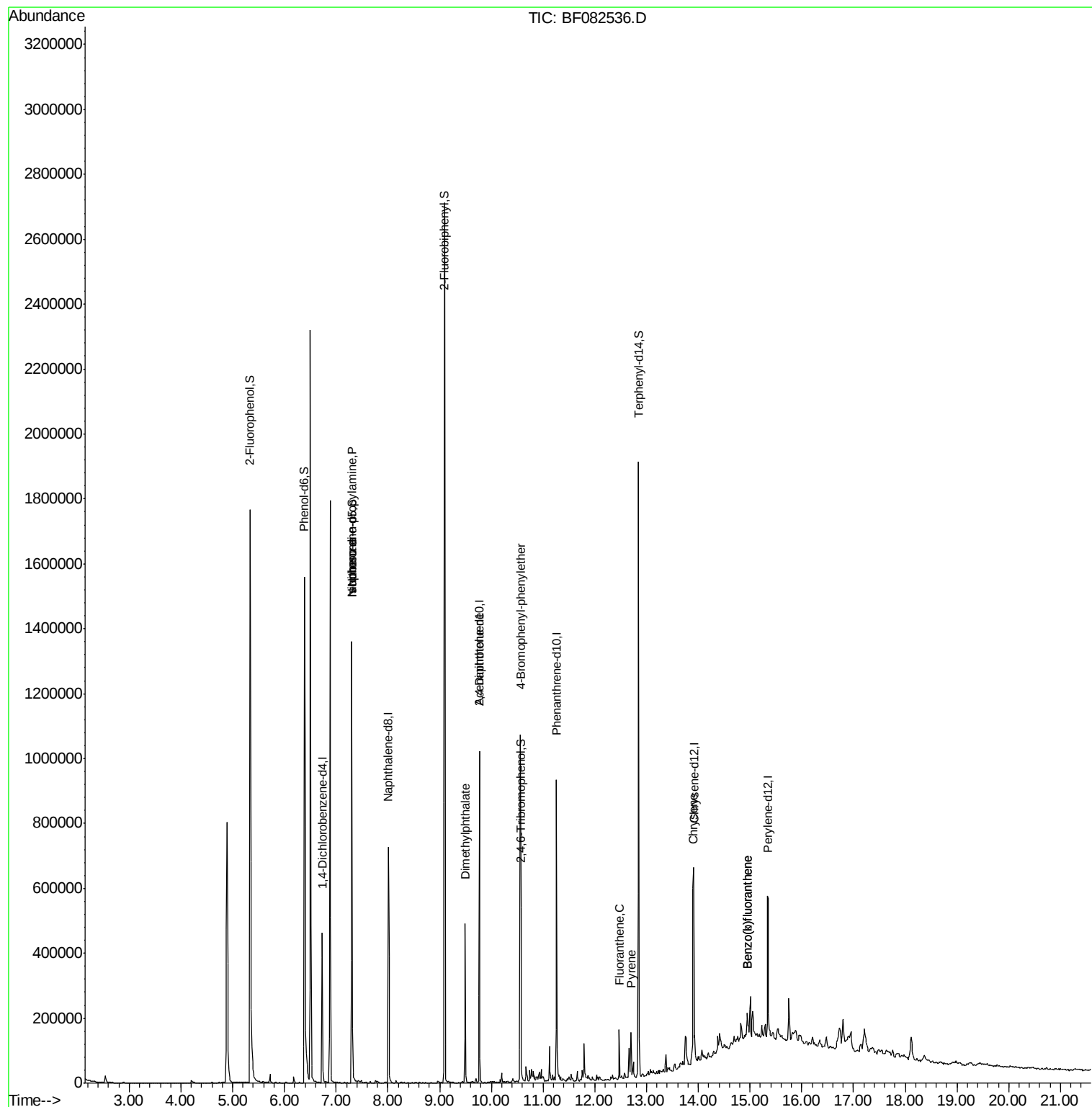
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	106657	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	410339	20.00	ng	-0.01
38) Acenaphthene-d10	9.77	164	211754	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	335534	20.00	ng	0.00
75) Chrysene-d12	13.91	240	295702	20.00	ng	0.00
86) Perylene-d12	15.35	264	248768	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	604604	111.91	ng	0.02
7) Phenol-d6	6.39	99	726415	103.16	ng	0.01
23) Nitrobenzene-d5	7.30	82	478591	75.24	ng	0.00
41) 2,4,6-Tribromophenol	10.57	330	142335	89.76	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	890500	66.87	ng	0.00
78) Terphenyl-d14	12.85	244	605267	58.97	ng	0.00
Target Compounds						
9) Benzaldehyde	6.39	77	931	Below Cal	#	3
19) n-Nitroso-di-n-propylamine	7.30	70	65230	14.22	ng	76
25) Isophorone	7.30	82	478584	37.87	ng	64
49) Dimethylphthalate	9.50	163	217342	14.75	ng	100
56) 2,4-Dinitrotoluene	9.77	165	26603	6.79	ng	11
66) 4-Bromophenyl-phenylether	10.56	248	10398	3.30	ng	1
74) Fluoranthene	12.47	202	63037	3.56	ng	97
77) Pyrene	12.70	202	60409	3.32	ng	98
82) Chrysene	13.90	228	30303	2.02	ng	99
87) Benzo(b)fluoranthene	14.95	252	58692	3.97	ng	94
88) Benzo(k)fluoranthene	14.95	252	59009	4.90	ng	96

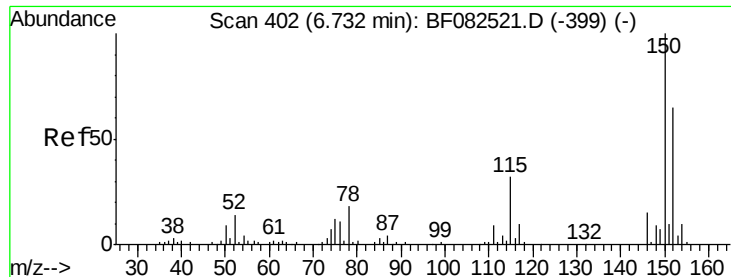
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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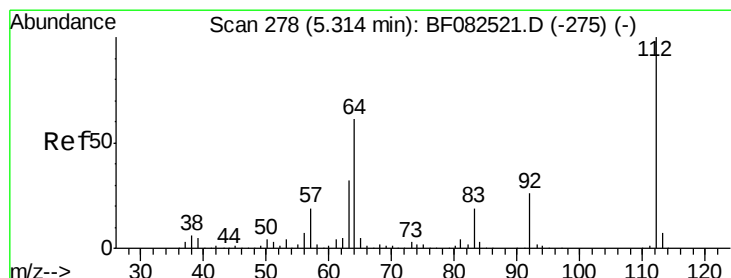
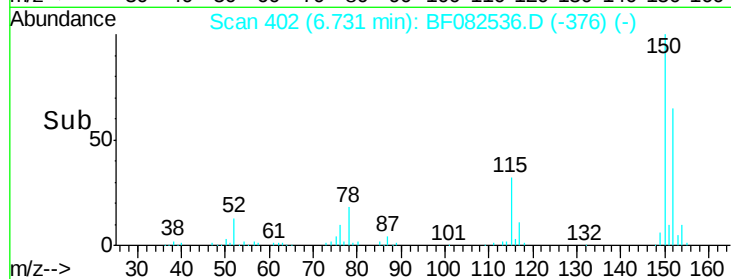
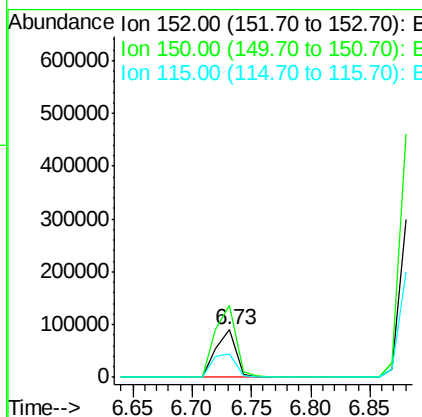
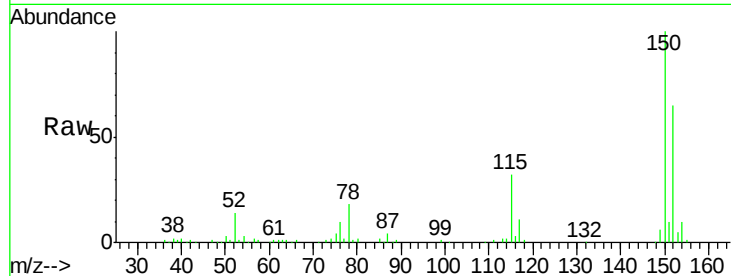




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.73 min Scan# 402
 Delta R.T. -0.00 min
 Lab File: BF082536.D
 Acq: 27 Oct 2015 7:30

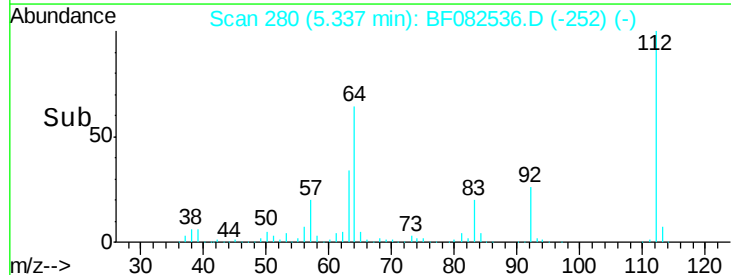
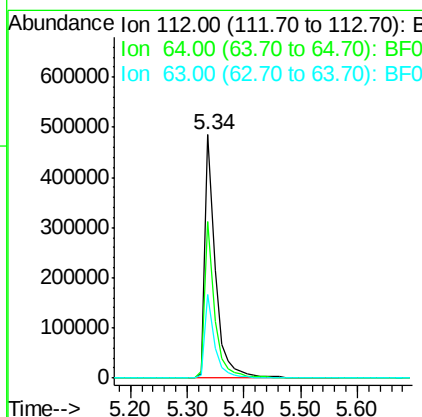
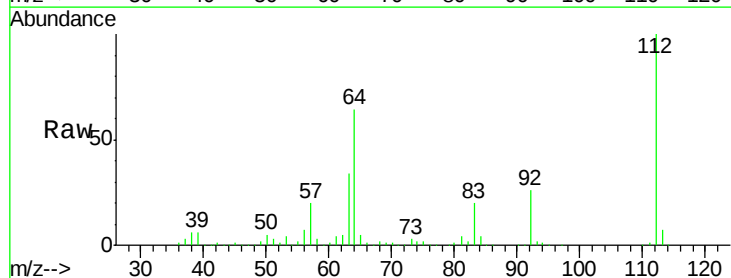
Instrument :
 BNA_F
 ClientSampleId :
 BT-03(0-2)

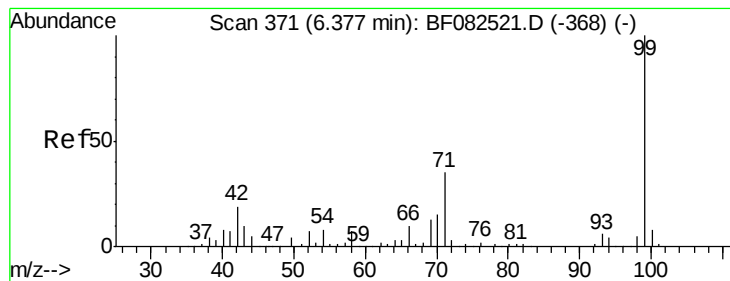
Tot Ion	Ratio	Lower	Upper
152	100		
150	152.9	123.4	185.0
115	49.5	39.0	58.4



#5
 2-Fluorophenol
 Concen: 111.91 ng
 RT: 5.34 min Scan# 280
 Delta R.T. 0.02 min
 Lab File: BF082536.D
 Acq: 27 Oct 2015 7:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.4	49.0	73.4
63	34.3	25.8	38.6





#7

Phenol-d6

Concen: 103.16 ng

RT: 6.39 min Scan# 372

Delta R.T. 0.01 min

Lab File: BF082536.D

Acq: 27 Oct 2015 7:30

Instrument :

BNA_F

ClientSampleId :

BT-03(0-2)

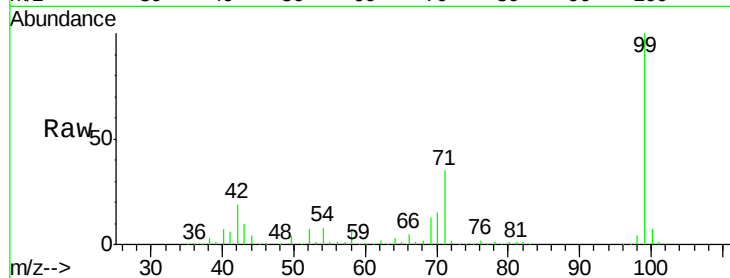
Tot Ion: 99 Resp: 726415

Ion Ratio Lower Upper

99 100

42 19.0 15.1 22.7

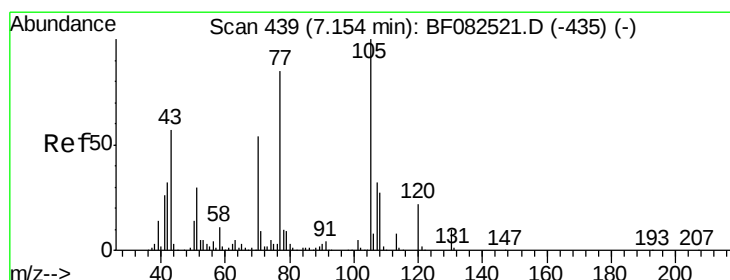
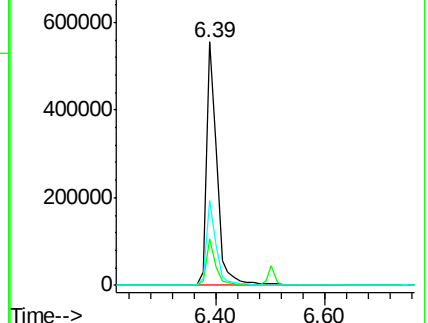
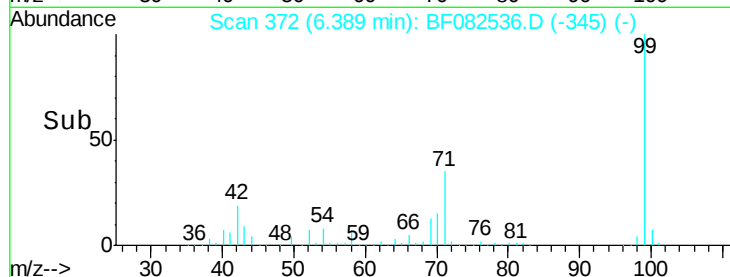
71 35.0 28.2 42.2



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



#19

n-Nitroso-di-n-propylamine

Concen: 14.22 ng

RT: 7.30 min Scan# 452

Delta R.T. 0.15 min

Lab File: BF082536.D

Acq: 27 Oct 2015 7:30

Tgt Ion: 70 Resp: 65230

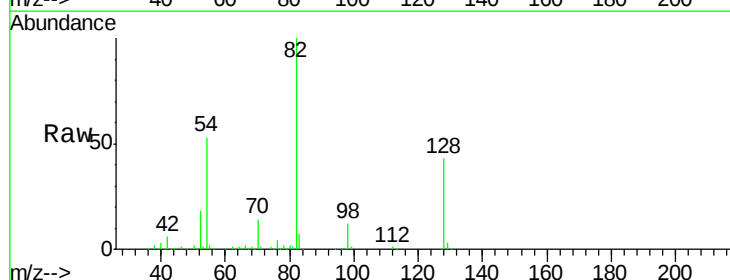
Ion Ratio Lower Upper

70 100

42 43.9 46.9 70.3#

101 0.0 7.4 11.2#

130 2.1 14.2 21.4#

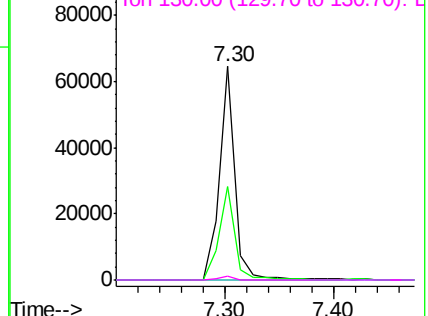
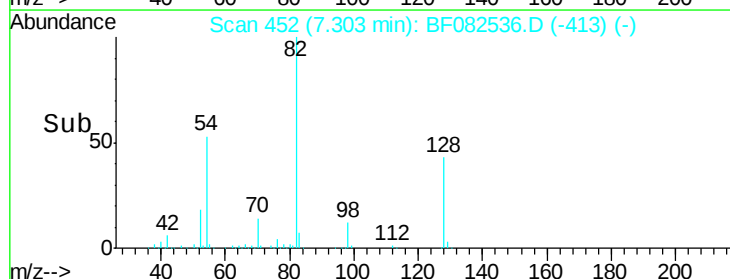


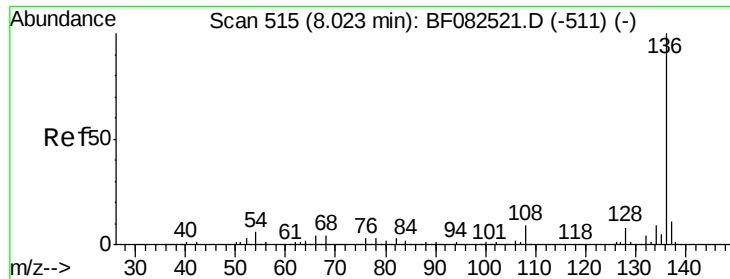
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

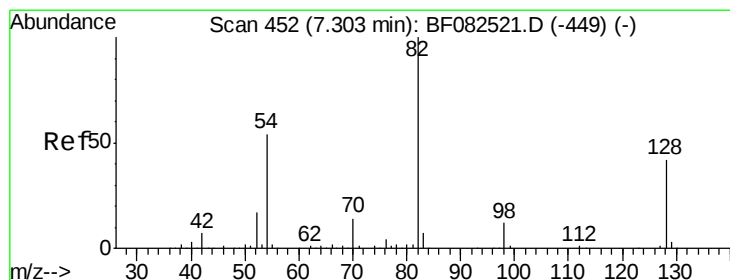
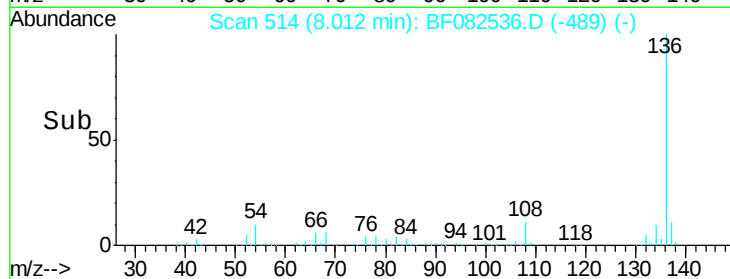
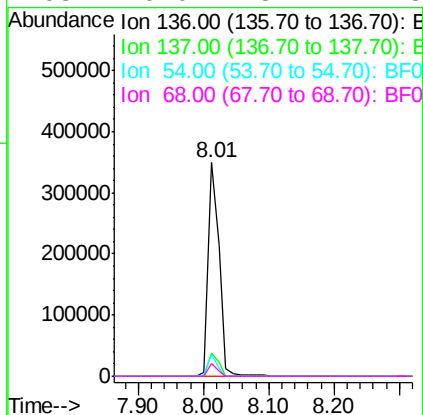
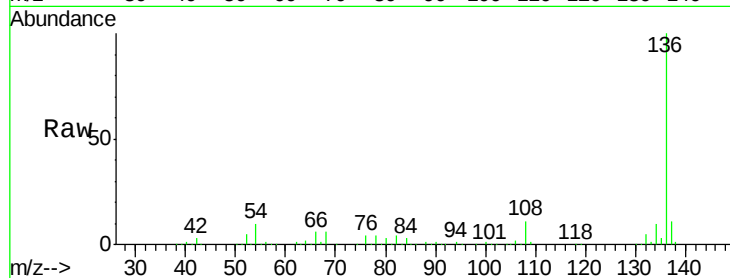




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.01 min Scan# 514
Delta R.T. -0.01 min
Lab File: BF082536.D
Acq: 27 Oct 2015 7:30

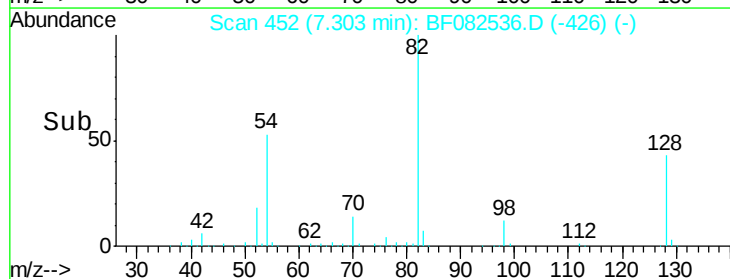
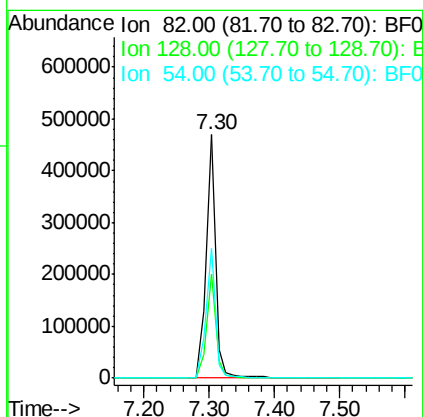
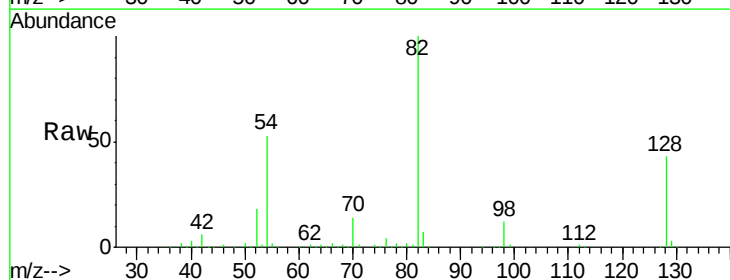
Instrument :
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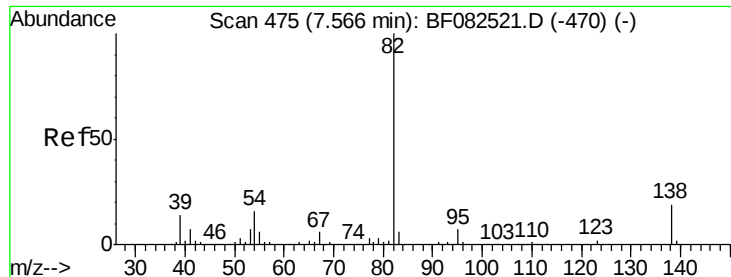
Tot Ion:	136	Resp:	410339
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	10.0	4.6	7.0#
68	6.0	3.2	4.8#



#23
Nitrobenzene-d5
Concen: 75.24 ng
RT: 7.30 min Scan# 452
Delta R.T. -0.00 min
Lab File: BF082536.D
Acq: 27 Oct 2015 7:30

Tgt Ion:	82	Resp:	478591
Ion	Ratio	Lower	Upper
82	100		
128	42.5	33.4	50.0
54	53.5	43.5	65.3





#25

Isophorone

Concen: 37.87 ng

RT: 7.30 min Scan# 452

Delta R.T. -0.26 min

Lab File: BF082536.D

Acq: 27 Oct 2015 7:30

Instrument :

BNA_F

ClientSampleId :

BT-03(0-2)

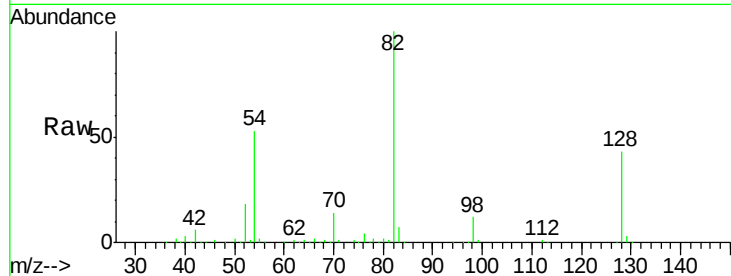
Tot Ion: 82 Resp: 478584

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

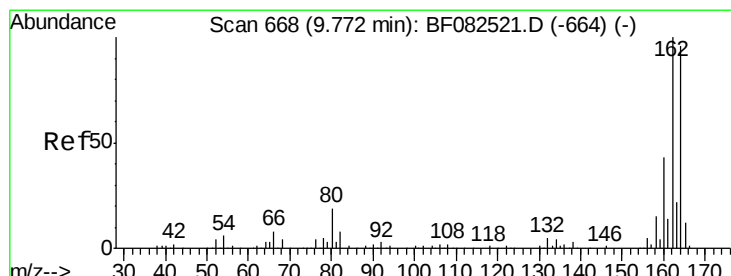
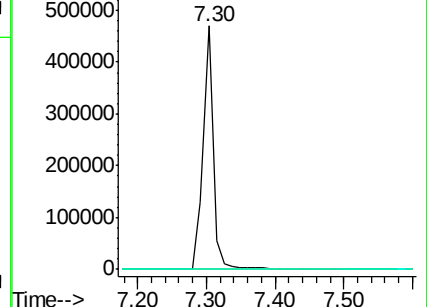
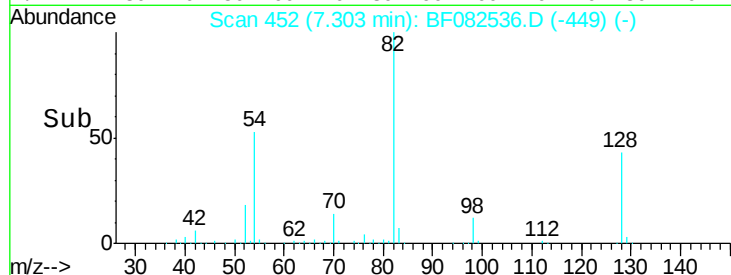
138 0.0 15.0 22.4#



Abundance Ion 82.00 (81.70 to 82.70): BF082536.D (-449) (-)

Ion 95.00 (94.70 to 95.70): BF082536.D (-449) (-)

Ion 138.00 (137.70 to 138.70): BF082536.D (-449) (-)



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.77 min Scan# 668

Delta R.T. -0.00 min

Lab File: BF082536.D

Acq: 27 Oct 2015 7:30

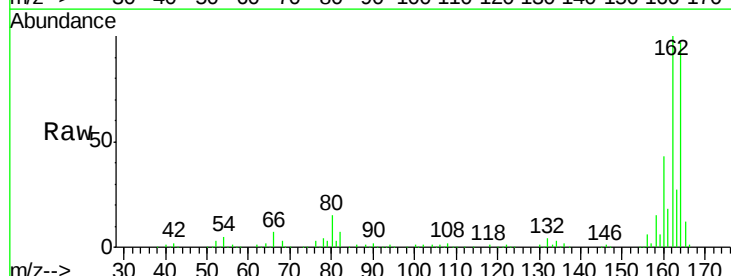
Tgt Ion: 164 Resp: 211754

Ion Ratio Lower Upper

164 100

162 102.6 83.6 125.4

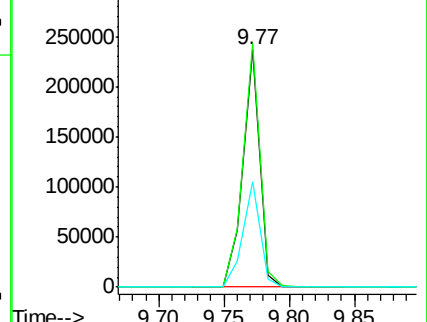
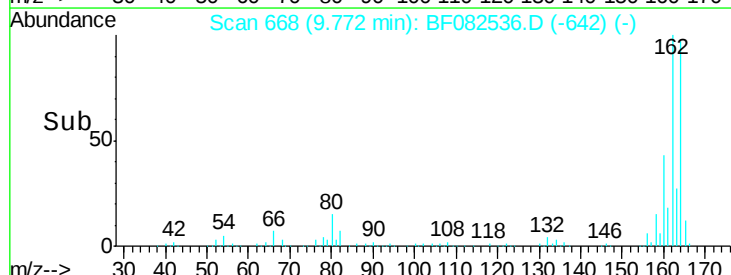
160 44.6 36.0 54.0

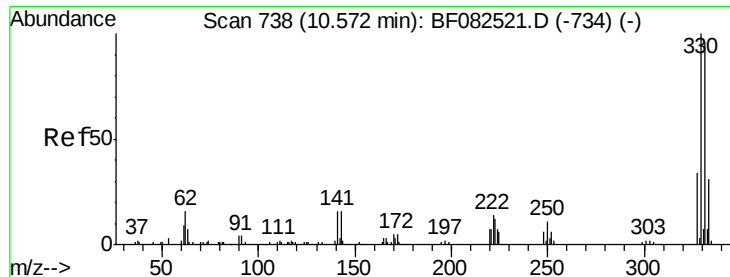


Abundance Ion 164.00 (163.70 to 164.70): BF082536.D (-642) (-)

Ion 162.00 (161.70 to 162.70): BF082536.D (-642) (-)

Ion 160.00 (159.70 to 160.70): BF082536.D (-642) (-)

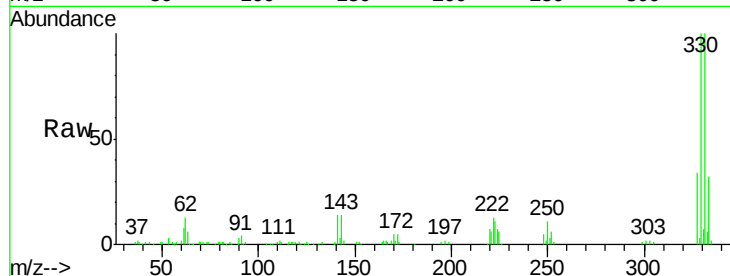




#41
 2,4,6-Tribromophenol
 Concen: 89.76 ng
 RT: 10.57 min Scan# 738
 Delta R.T. -0.00 min
 Lab File: BF082536.D
 Acq: 27 Oct 2015 7:30

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

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.4	116.0
141	41.0	32.5	48.7

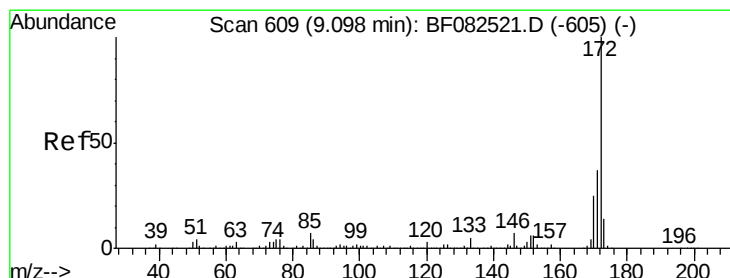
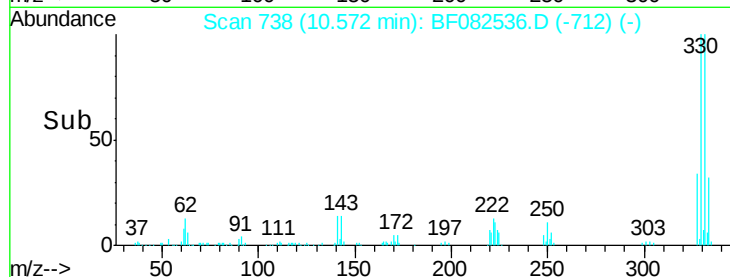
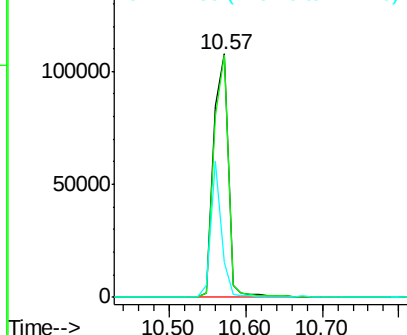


Abundance

Ion 329.80 (329.50 to 330.50): E

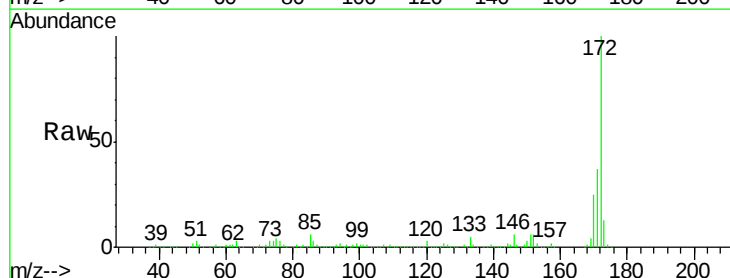
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 66.87 ng
 RT: 9.10 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: BF082536.D
 Acq: 27 Oct 2015 7:30

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.3	43.9
170	25.0	19.8	29.6

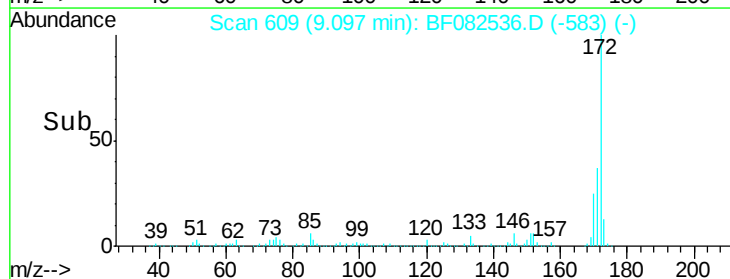
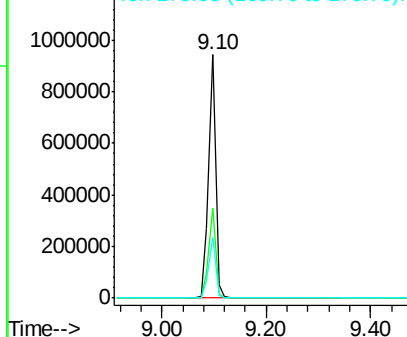


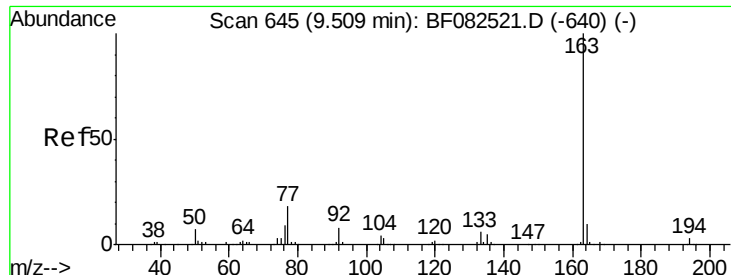
Abundance

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

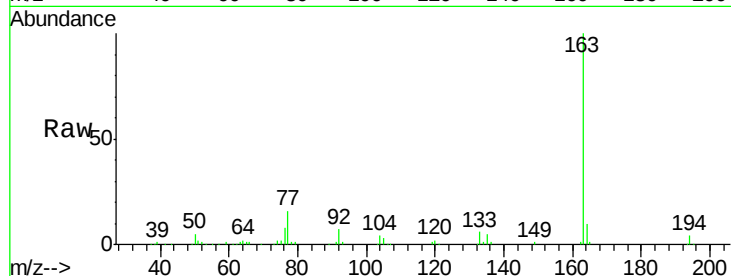




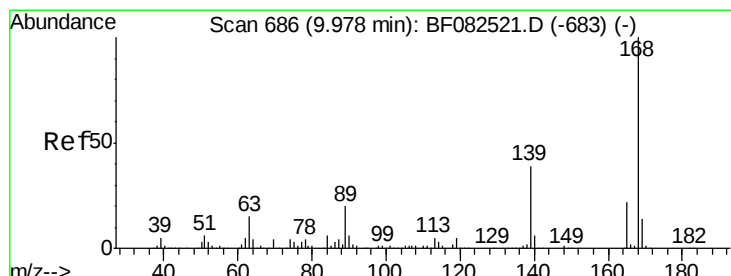
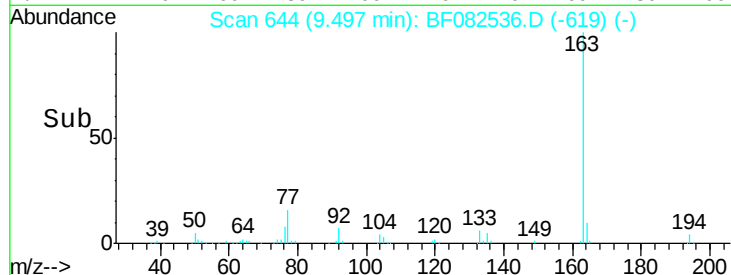
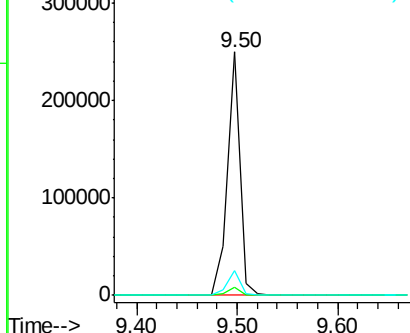
#49
Dimethylphthalate
Concen: 14.75 ng
RT: 9.50 min Scan# 644
Delta R.T. -0.01 min
Lab File: BF082536.D
Acq: 27 Oct 2015 7:30

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

Tot Ion:163 Resp: 217342
Ion Ratio Lower Upper
163 100
194 3.5 2.8 4.2
164 10.3 8.2 12.4

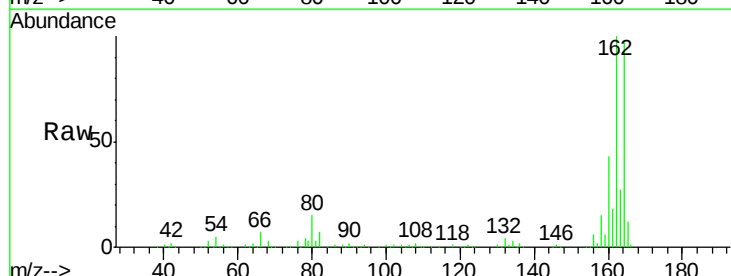


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

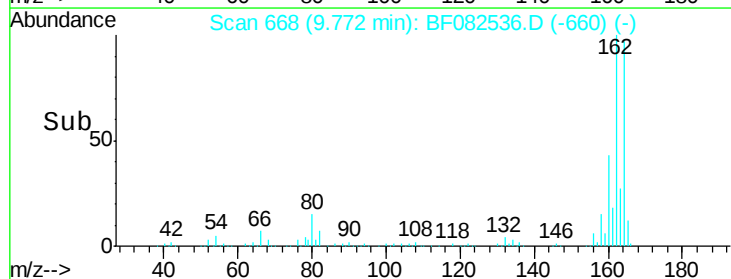
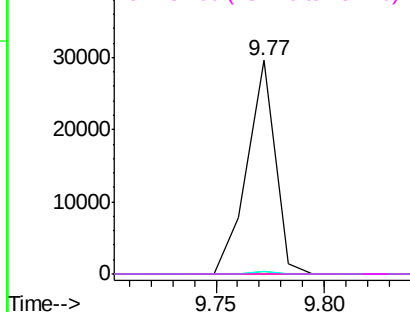


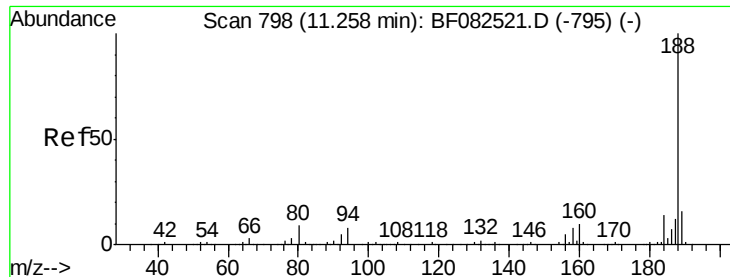
#56
2,4-Dinitrotoluene
Concen: 6.79 ng
RT: 9.77 min Scan# 668
Delta R.T. -0.21 min
Lab File: BF082536.D
Acq: 27 Oct 2015 7:30

Tgt Ion:165 Resp: 26603
Ion Ratio Lower Upper
165 100
63 1.1 58.6 88.0#
89 1.5 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

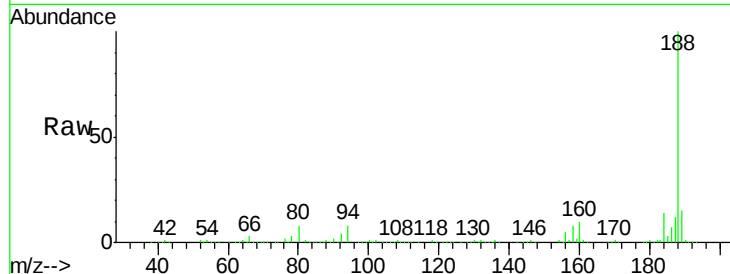




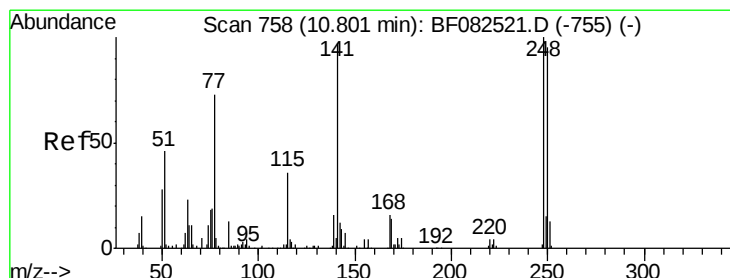
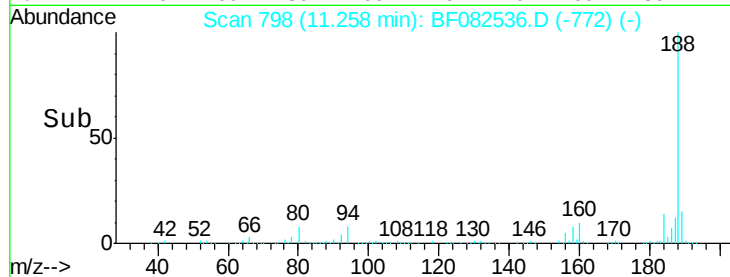
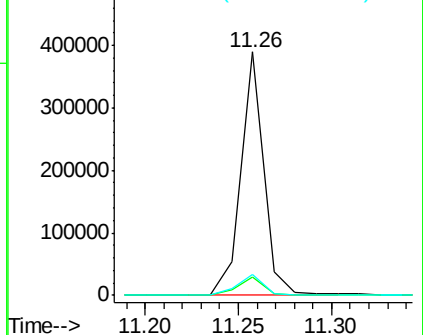
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.26 min Scan# 798
 Delta R.T. -0.00 min
 Lab File: BF082536.D
 Acq: 27 Oct 2015 7:30

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

Tot Ion:188 Resp: 335534
 Ion Ratio Lower Upper
 188 100
 94 7.7 6.4 9.6
 80 8.5 7.0 10.6

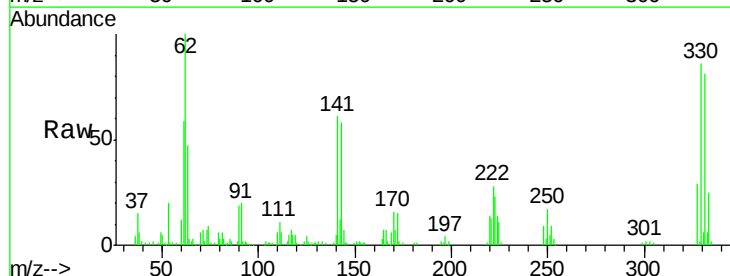


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

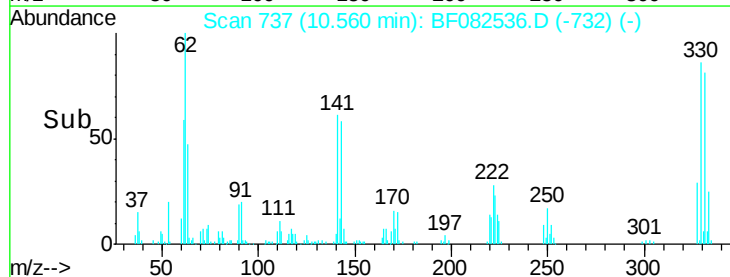
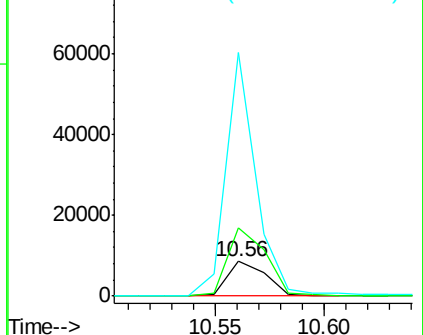


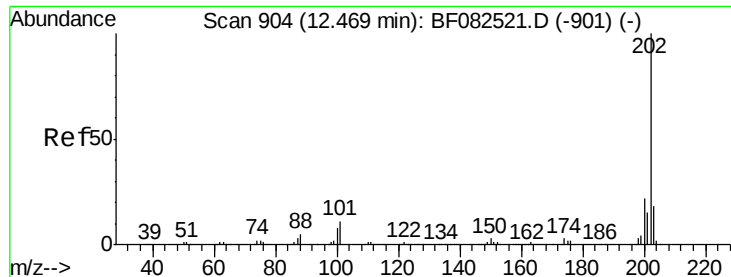
#66
 4-Bromophenyl-phenylether
 Concen: 3.30 ng
 RT: 10.56 min Scan# 737
 Delta R.T. -0.24 min
 Lab File: BF082536.D
 Acq: 27 Oct 2015 7:30

Tgt Ion:248 Resp: 10398
 Ion Ratio Lower Upper
 248 100
 250 194.9 76.0 114.0#
 141 698.9 77.5 116.3#



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





#74

Fluoranthene

Concen: 3.56 ng

RT: 12.47 min Scan# 904

Delta R.T. -0.00 min

Lab File: BF082536.D

Acq: 27 Oct 2015 7:30

Instrument :

BNA_F

ClientSampleId :

BT-03(0-2)

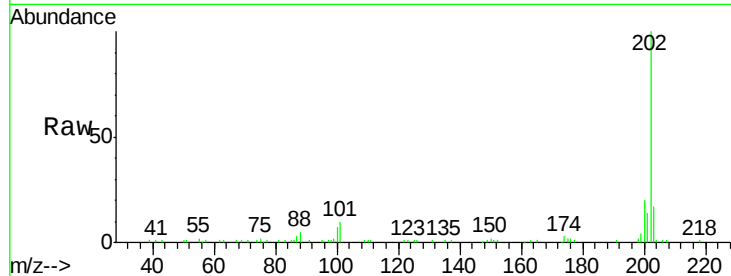
Tot Ion:202 Resp: 63037

Ion Ratio Lower Upper

202 100

101 9.6 0.0 31.2

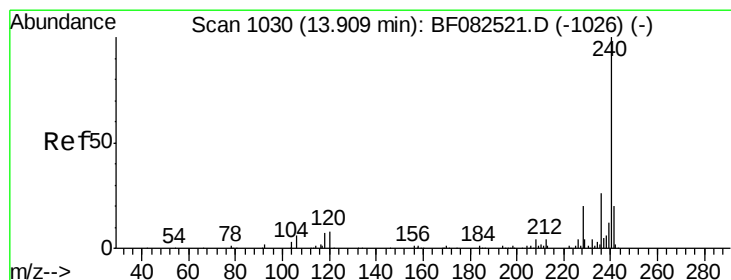
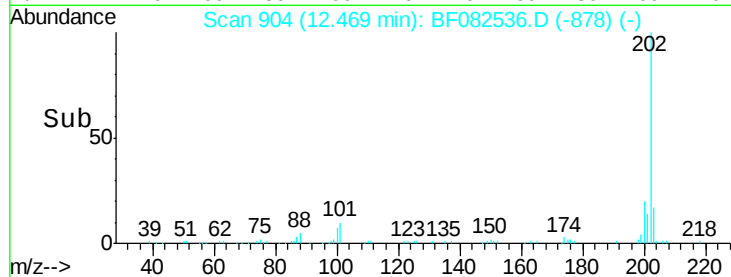
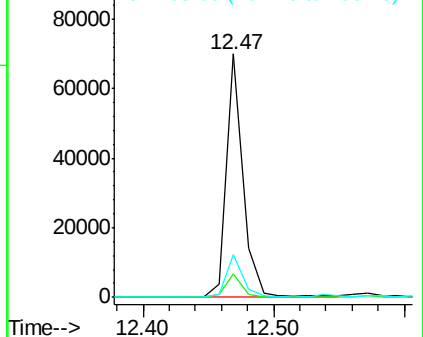
203 17.3 0.0 38.1



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: BF082536.D

Acq: 27 Oct 2015 7:30

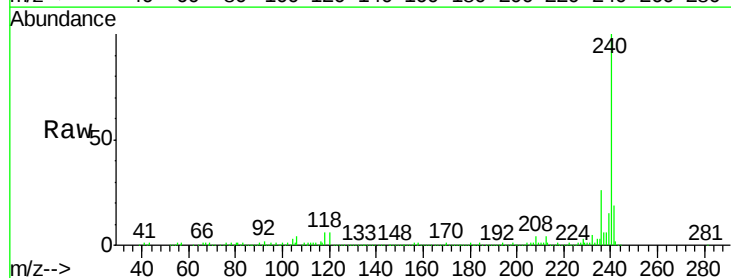
Tgt Ion:240 Resp: 295702

Ion Ratio Lower Upper

240 100

120 6.4 6.5 9.7#

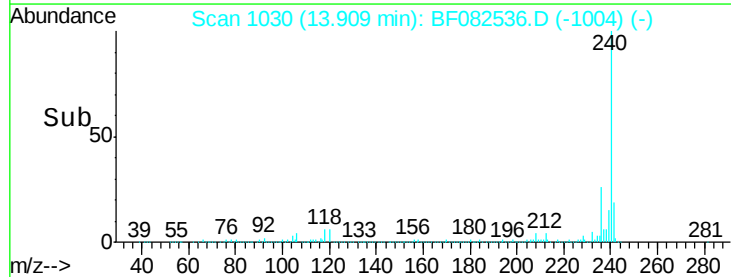
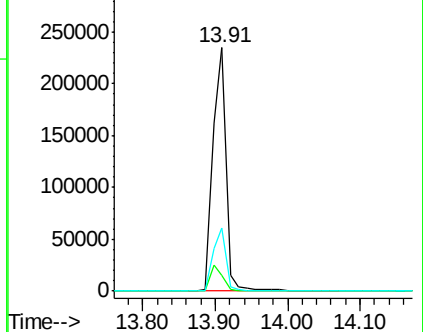
236 25.9 20.5 30.7

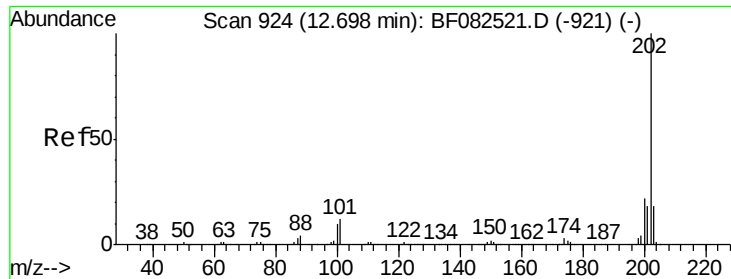


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

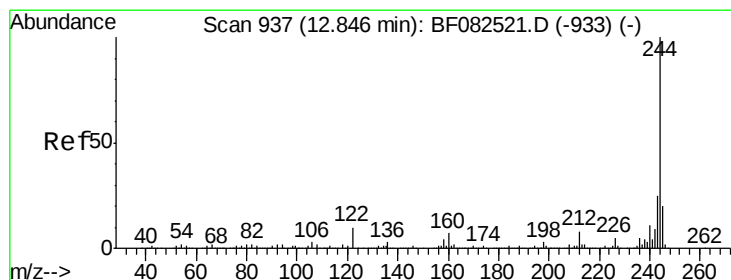
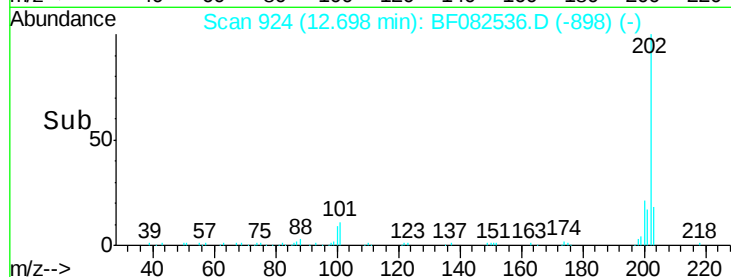
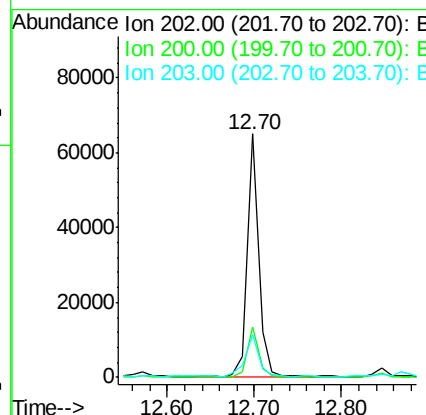
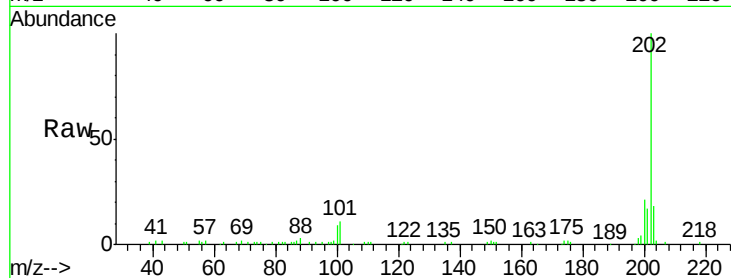




#77
Pvrene
Concen: 3.32 ng
RT: 12.70 min Scan# 924
Delta R.T. -0.00 min
Lab File: BF082536.D
Acq: 27 Oct 2015 7:30

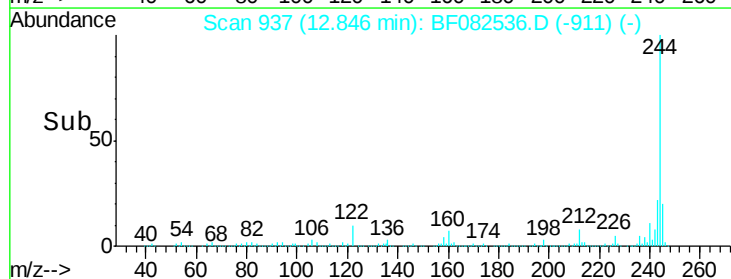
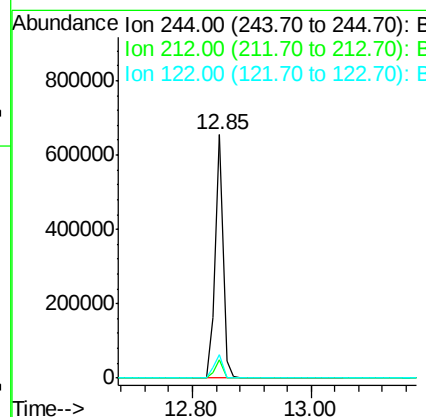
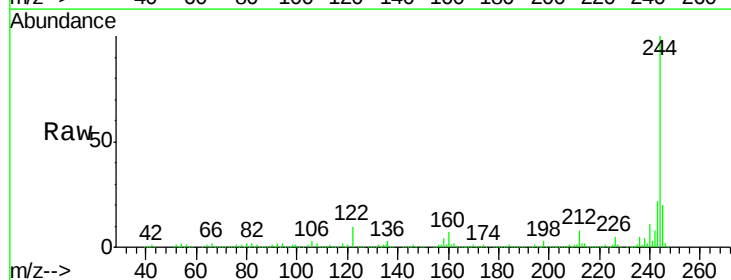
Instrument :
BNA_F
ClientSampleId :
BT-03(0-2)

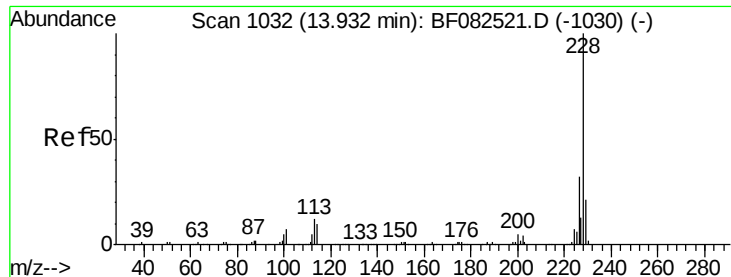
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.6	26.4
203	17.6	14.6	22.0



#78
Terphenyl-d14
Concen: 58.97 ng
RT: 12.85 min Scan# 937
Delta R.T. -0.00 min
Lab File: BF082536.D
Acq: 27 Oct 2015 7:30

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.4	9.6
122	9.7	8.1	12.1

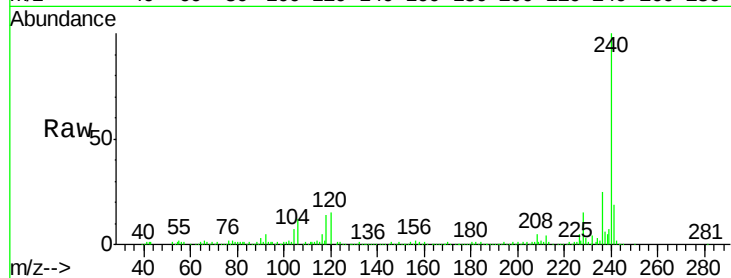




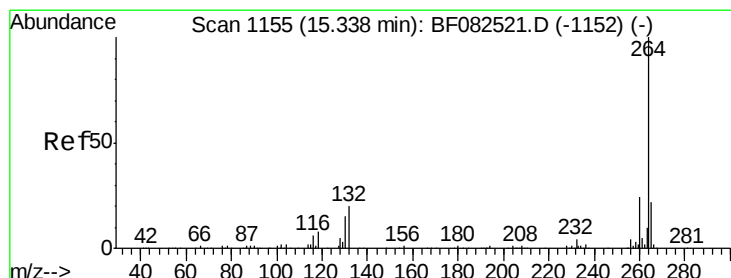
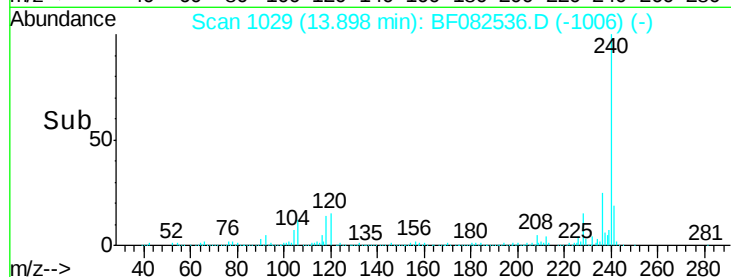
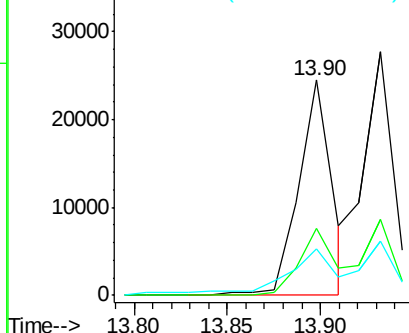
#82
Chrysene
Concen: 2.02 ng
RT: 13.90 min Scan# 1029
Delta R.T. -0.03 min
Lab File: BF082536.D
Acq: 27 Oct 2015 7:30

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

Tot Ion:228 Resp: 30303
Ion Ratio Lower Upper
228 100
226 30.9 25.2 37.8
229 21.4 16.3 24.5

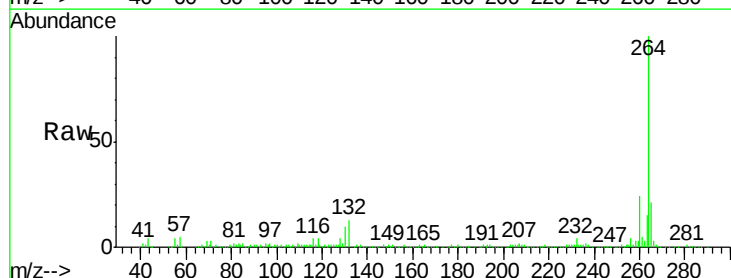


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

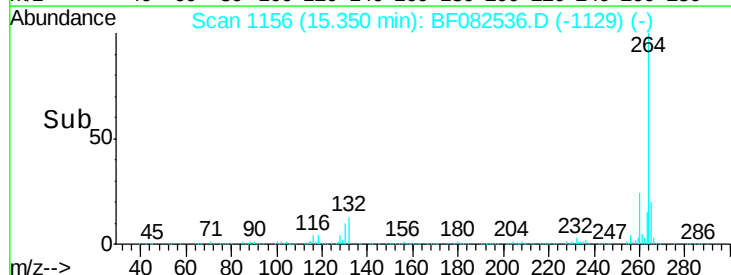
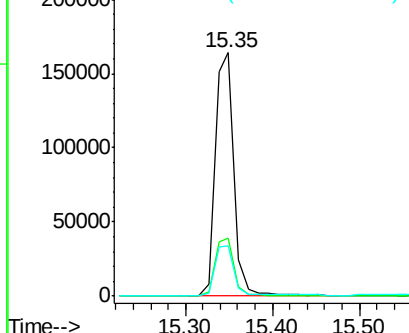


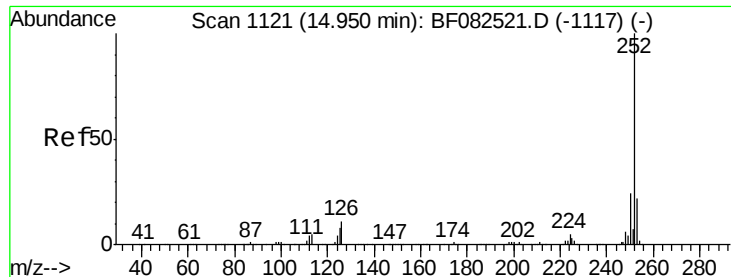
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.35 min Scan# 1156
Delta R.T. 0.01 min
Lab File: BF082536.D
Acq: 27 Oct 2015 7:30

Tgt Ion:264 Resp: 248768
Ion Ratio Lower Upper
264 100
260 23.9 19.0 28.6
265 20.6 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: 3.97 ng

RT: 14.95 min Scan# 1121

Delta R.T. -0.00 min

Lab File: BF082536.D

Acq: 27 Oct 2015 7:30

Instrument :

BNA_F

ClientSampleId :

BT-03(0-2)

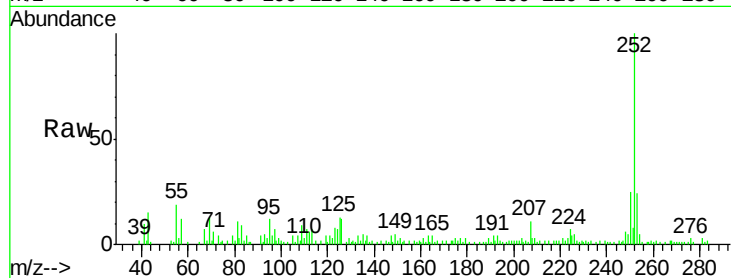
Tot Ion:252 Resp: 58692

Ion Ratio Lower Upper

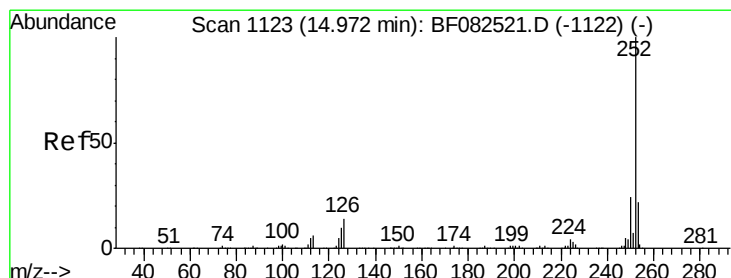
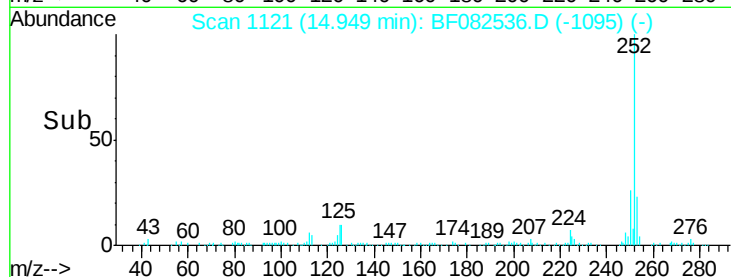
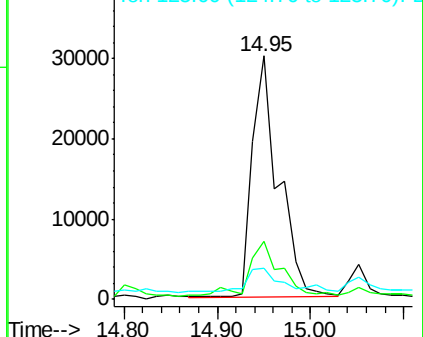
252 100

253 23.9 17.8 26.8

125 12.6 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



#88

Benzo(k)fluoranthene

Concen: 4.90 ng

RT: 14.95 min Scan# 1121

Delta R.T. -0.02 min

Lab File: BF082536.D

Acq: 27 Oct 2015 7:30

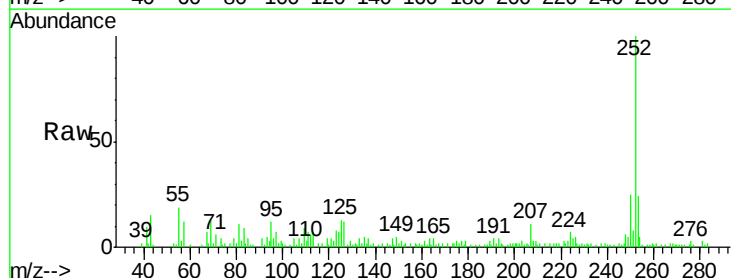
Tgt Ion:252 Resp: 59009

Ion Ratio Lower Upper

252 100

253 23.9 17.8 26.6

125 12.6 8.7 13.1



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

