

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111815\
 Data File : BF083018.D
 Acq On : 18 Nov 2015 20:00
 Operator : UM/IZ
 Sample : G4453-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 19 01:50:19 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 18 13:32:32 2015
 Response via : Initial Calibration

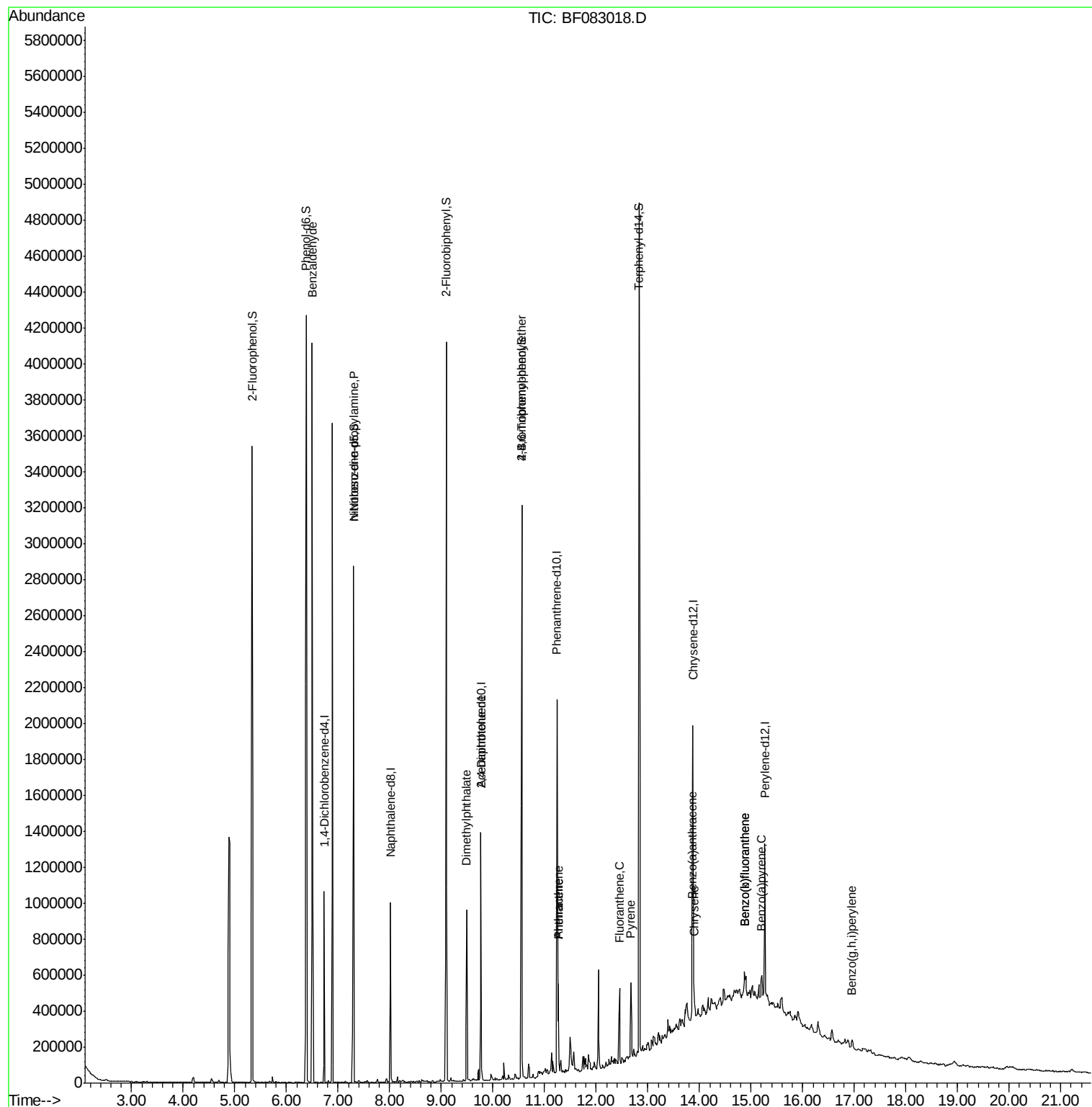
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	139253	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	526895	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	275397	20.00	ng	-0.01
63) Phenanthrene-d10	11.24	188	698515	20.00	ng	-0.01
75) Chrysene-d12	13.87	240	532357	20.00	ng	-0.02
86) Perylene-d12	15.27	264	417117	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1157573	129.34	ng	0.00
7) Phenol-d6	6.38	99	1606480	135.02	ng	-0.01
23) Nitrobenzene-d5	7.30	82	1191144	98.37	ng	-0.01
41) 2,4,6-Tribromophenol	10.56	330	375596	118.95	ng	-0.01
44) 2-Fluorobiphenyl	9.09	172	1338065	69.64	ng	-0.01
78) Terphenyl-d14	12.83	244	1597545	71.18	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.50	77	29200	4.44	ng	88
19) n-Nitroso-di-n-propylamine	7.30	70	161541	18.47	ng	# 68
49) Dimethylphthalate	9.49	163	396797	17.59	ng	98
56) 2,4-Dinitrotoluene	9.77	165	35479	5.43	ng	# 15
66) 4-Bromophenyl-phenylether	10.56	248	27306	3.25	ng	# 1
70) Phenanthrene	11.26	178	170137	4.19	ng	96
71) Anthracene	11.26	178	170137	3.98	ng	97
74) Fluoranthene	12.45	202	214234	4.92	ng	95
77) Pyrene	12.67	202	199285	5.45	ng	95
80) Benzo(a)anthracene	13.86	228	93644	2.81	ng	97
82) Chrysene	13.89	228	67529	2.21	ng	98
87) Benzo(b)fluoranthene	14.88	252	92873	3.47	ng	# 84
88) Benzo(k)fluoranthene	14.88	252	92873	3.91	ng	# 86
89) Benzo(a)pyrene	15.21	252	47290	2.04	ng	# 81
91) Benzo(a,h,i)perylene	16.96	276	37772	2.01	ng	# 95

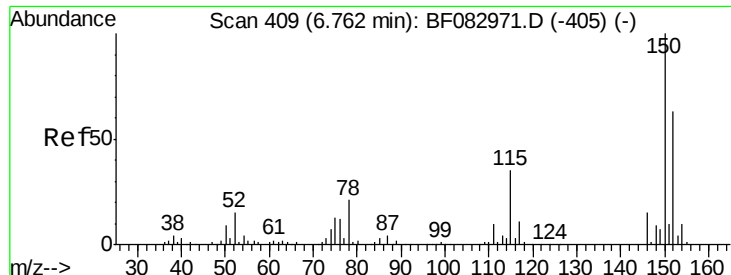
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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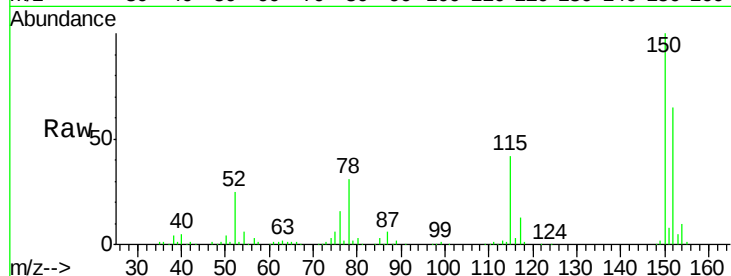


#1

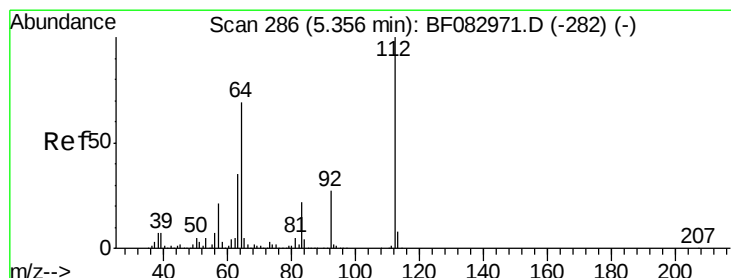
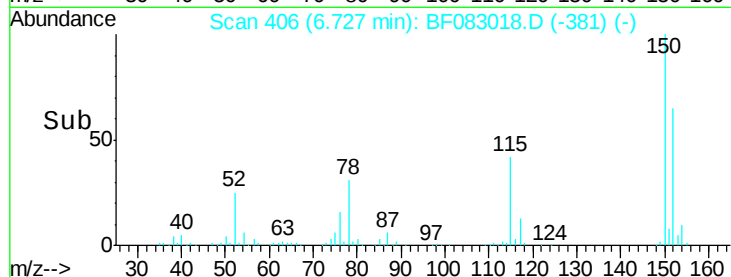
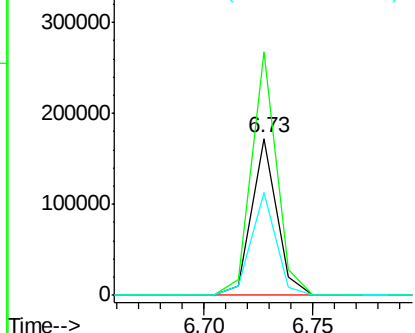
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.73 min Scan# 406
Delta R.T. -0.01 min
Lab File: BF083018.D
Acq: 18 Nov 2015 20:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 139253
Ion Ratio Lower Upper
152 100
150 155.0 127.0 190.4
115 65.8 47.0 70.6



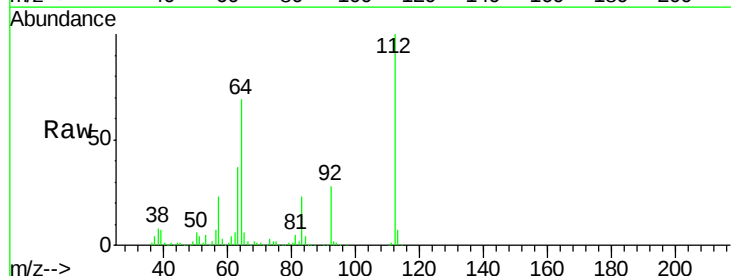
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



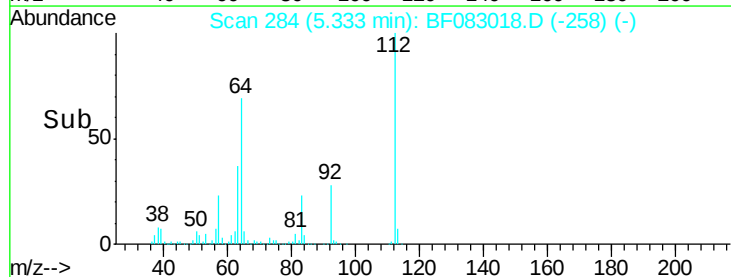
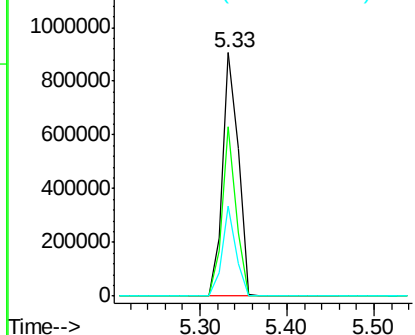
#5

2-Fluorophenol
Concen: 129.34 ng
RT: 5.33 min Scan# 284
Delta R.T. -0.00 min
Lab File: BF083018.D
Acq: 18 Nov 2015 20:00

Tgt Ion:112 Resp: 1157573
Ion Ratio Lower Upper
112 100
64 69.4 48.9 73.3
63 37.2 28.1 42.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 135.02 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.01 min

Lab File: BF083018.D

Acq: 18 Nov 2015 20:00

Instrument :

BNA_F

ClientSampleId :

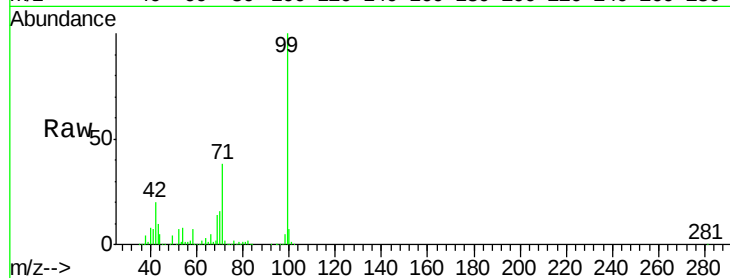
Tot Ion: 99 Resp: 1606480

Ion Ratio Lower Upper

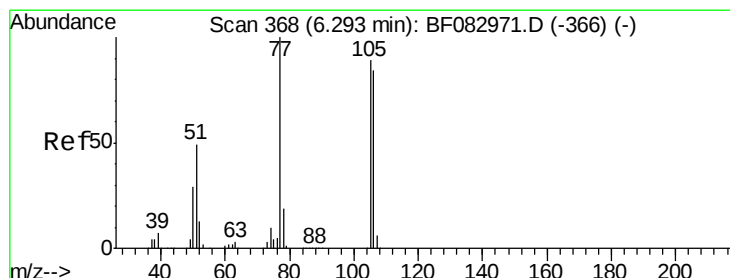
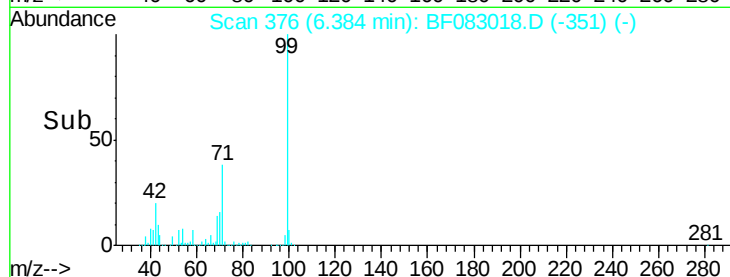
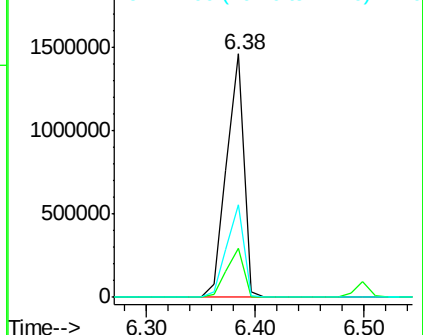
99 100

42 19.9 19.2 28.8

71 38.1 35.0 52.4



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



#9

Benzaldehyde

Concen: 4.44 ng

RT: 6.50 min Scan# 386

Delta R.T. 0.23 min

Lab File: BF083018.D

Acq: 18 Nov 2015 20:00

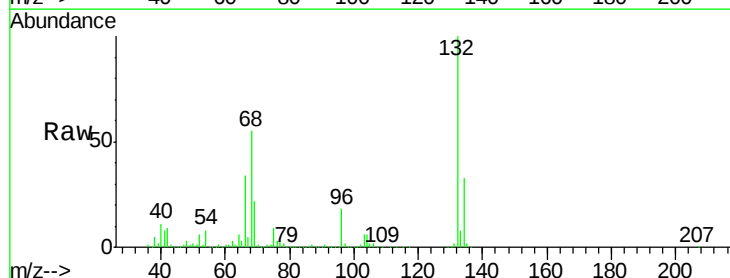
Tgt Ion: 77 Resp: 29200

Ion Ratio Lower Upper

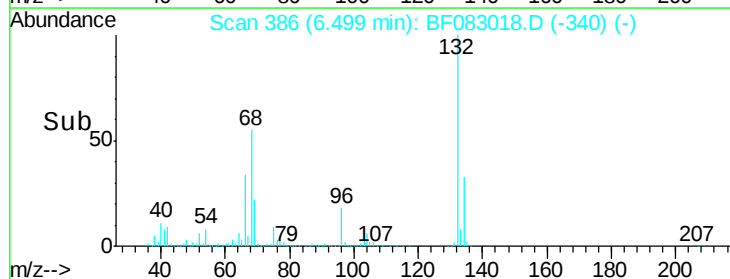
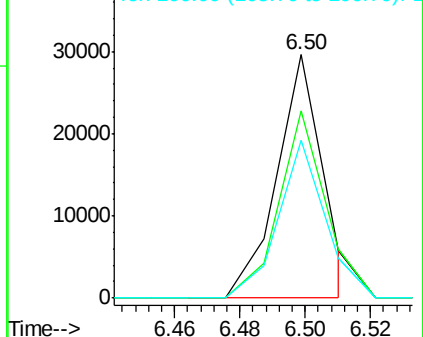
77 100

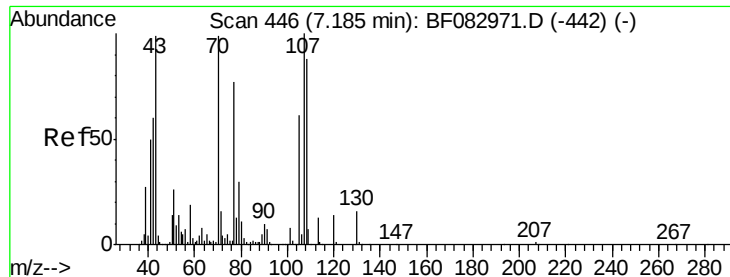
105 77.2 63.5 103.5

106 64.8 59.3 99.3



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

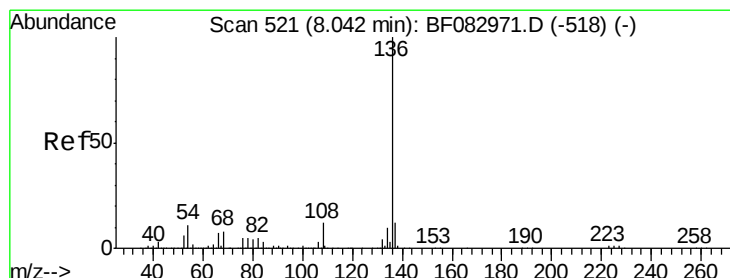
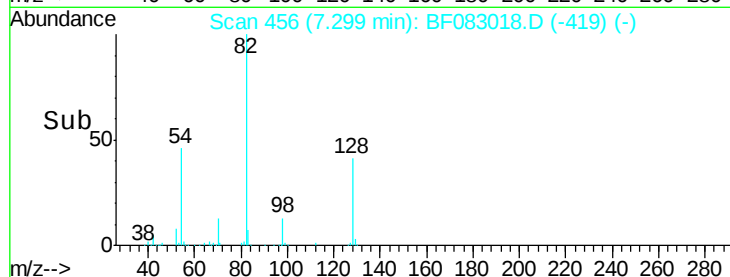
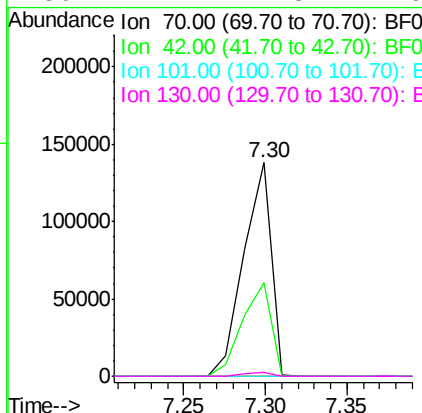
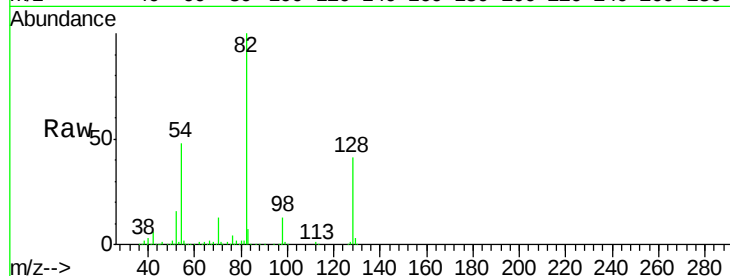




#19
n-Nitroso-di-n-propylamine
Concen: 18.47 ng
RT: 7.30 min Scan# 456
Delta R.T. 0.13 min
Lab File: BF083018.D
Acq: 18 Nov 2015 20:00

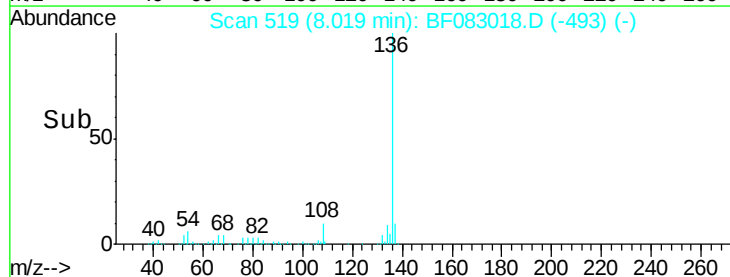
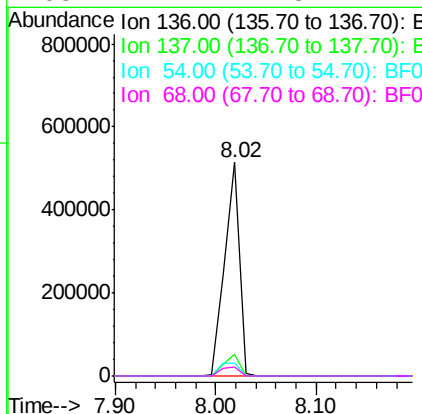
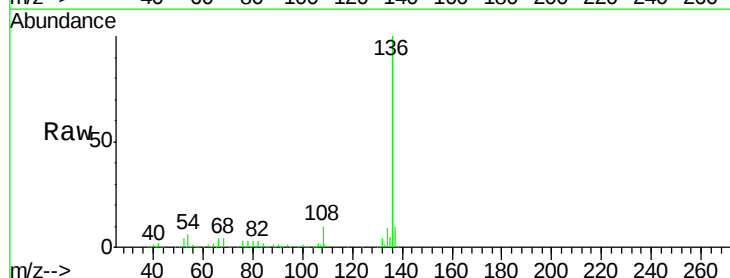
Instrument :
BNA_F
ClientSampleId :

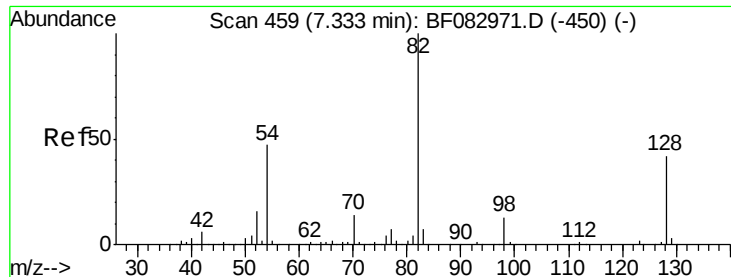
Tot Ion	Ratio	Lower	Upper
70	100		
42	44.0	57.7	86.5#
101	0.0	7.0	10.6#
130	2.1	11.8	17.6#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.02 min Scan# 519
Delta R.T. -0.00 min
Lab File: BF083018.D
Acq: 18 Nov 2015 20:00

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.1	13.7
54	6.2	9.1	13.7#
68	4.4	4.8	7.2#

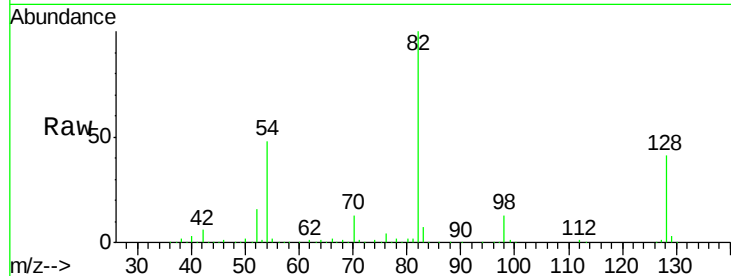




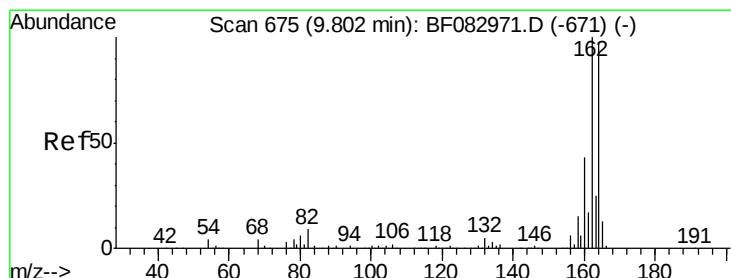
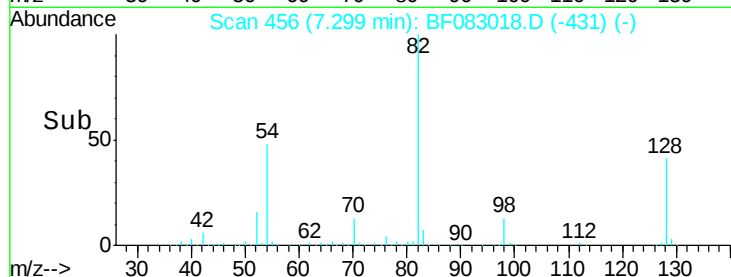
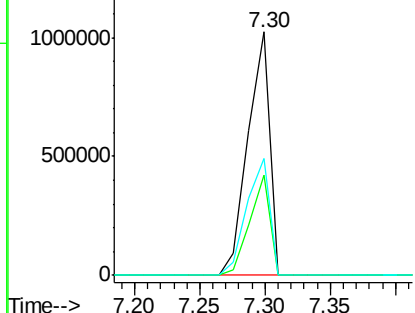
#23
Nitrobenzene-d5
Concen: 98.37 ng
RT: 7.30 min Scan# 456
Delta R.T. -0.01 min
Lab File: BF083018.D
Acq: 18 Nov 2015 20:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 1191144
Ion Ratio Lower Upper
82 100
128 41.1 26.8 40.2#
54 48.2 45.7 68.5

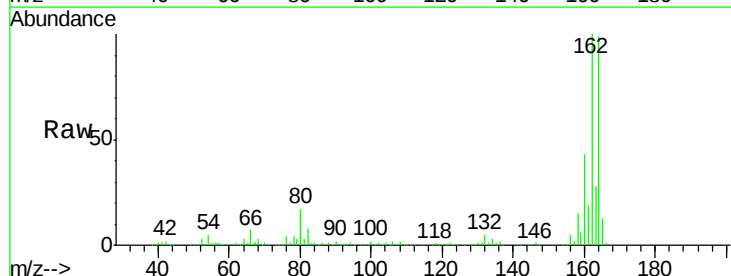


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0

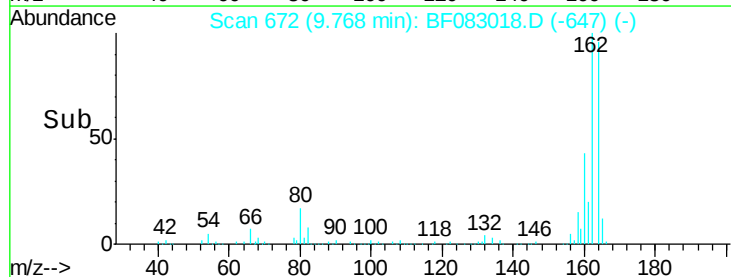
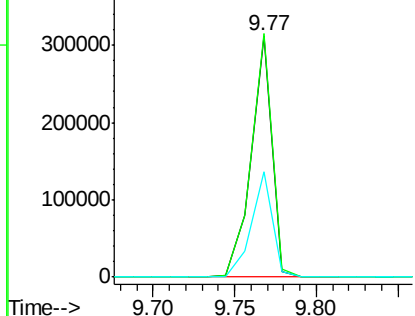


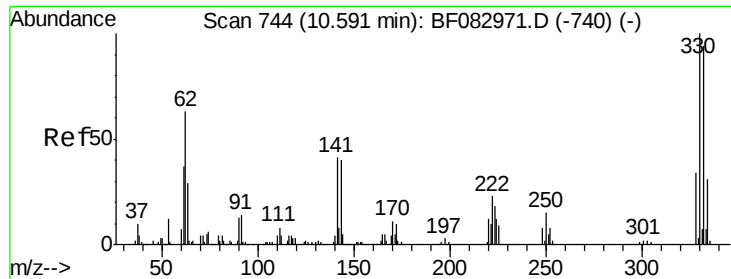
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.77 min Scan# 672
Delta R.T. -0.01 min
Lab File: BF083018.D
Acq: 18 Nov 2015 20:00

Tgt Ion:164 Resp: 275397
Ion Ratio Lower Upper
164 100
162 101.0 84.9 127.3
160 43.5 37.5 56.3



Abundance Ion 164.00 (163.70 to 164.70): B
Ion 162.00 (161.70 to 162.70): B
Ion 160.00 (159.70 to 160.70): B

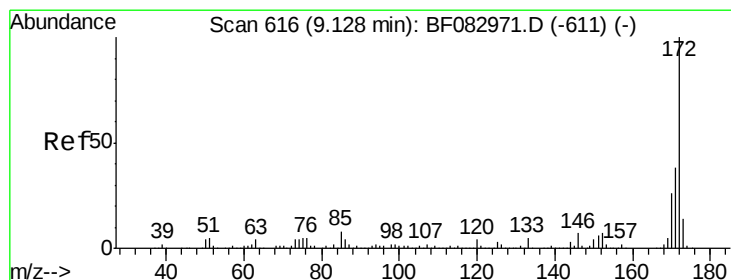
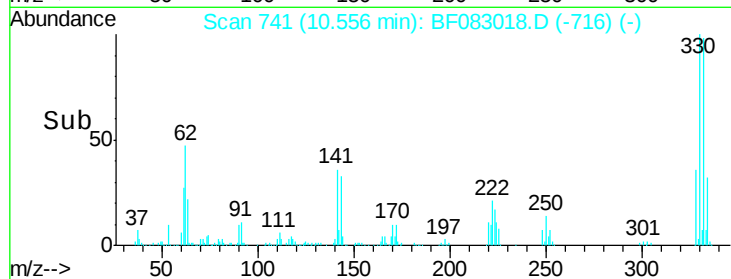
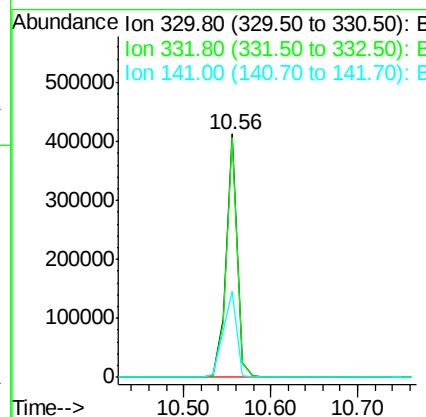
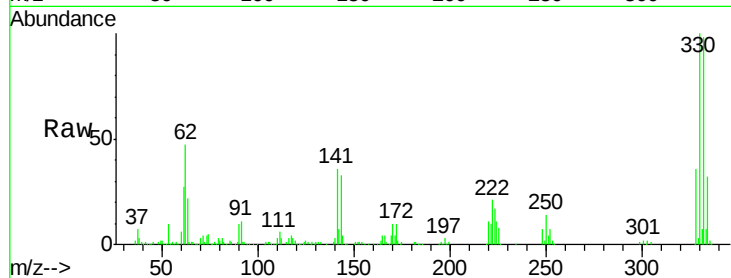




#41
 2,4,6-Tribromophenol
 Concen: 118.95 ng
 RT: 10.56 min Scan# 741
 Delta R.T. -0.01 min
 Lab File: BF083018.D
 Acq: 18 Nov 2015 20:00

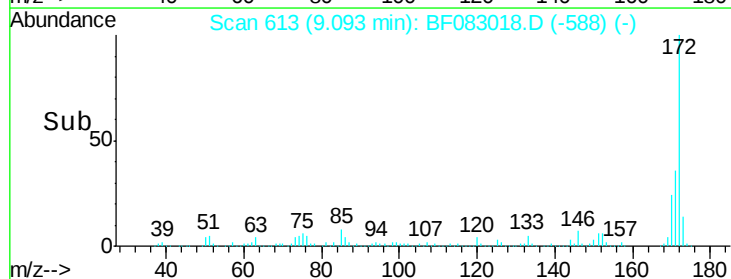
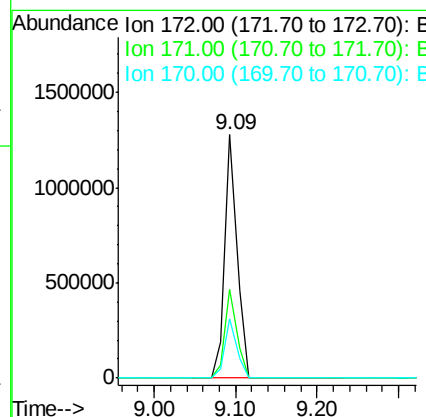
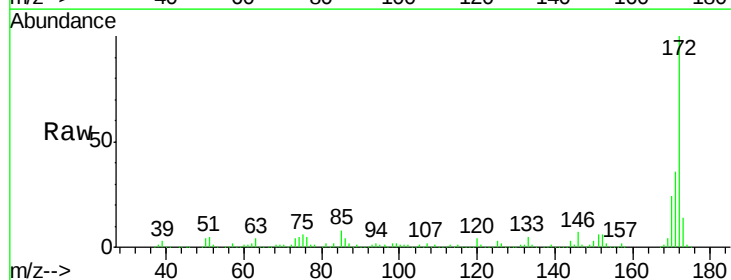
Instrument :
 BNA_F
 ClientSampleId :

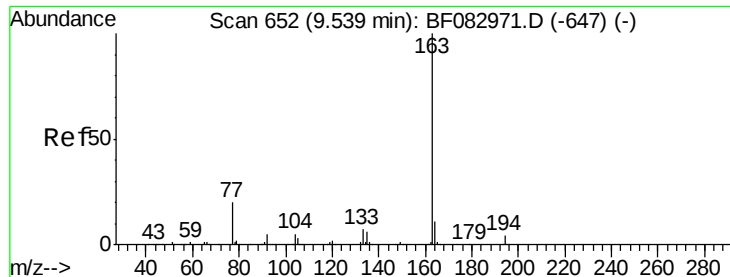
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	76.6	114.8
141	43.1	41.2	61.8



#44
 2-Fluorobiphenyl
 Concen: 69.64 ng
 RT: 9.09 min Scan# 613
 Delta R.T. -0.01 min
 Lab File: BF083018.D
 Acq: 18 Nov 2015 20:00

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	30.8	46.2
170	24.4	21.2	31.8





#49

Dimethylphthalate

Concen: 17.59 ng

RT: 9.49 min Scan# 648

Delta R.T. -0.02 min

Lab File: BF083018.D

Acq: 18 Nov 2015 20:00

Instrument :

BNA_F

ClientSampleId :

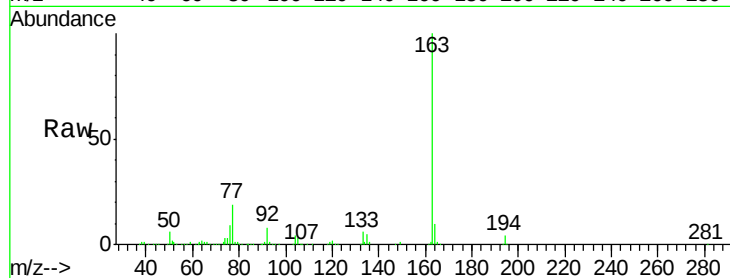
Tot Ion:163 Resp: 396797

Ion Ratio Lower Upper

163 100

194 3.6 2.6 4.0

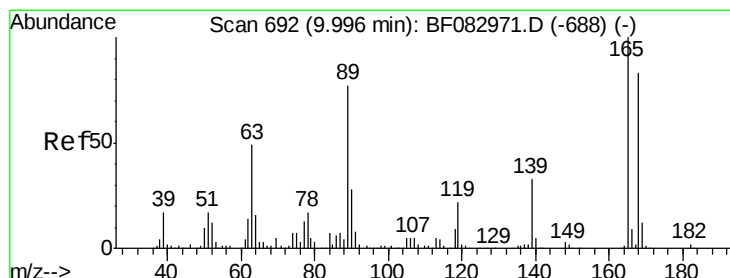
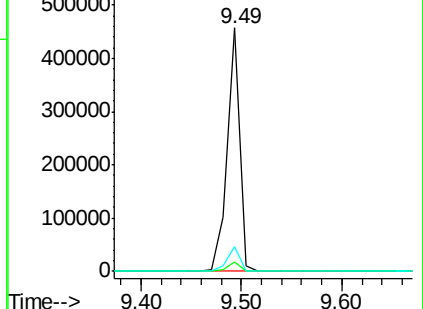
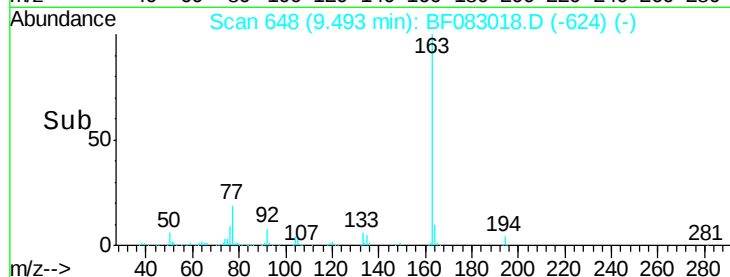
164 10.1 8.7 13.1



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 5.43 ng

RT: 9.77 min Scan# 672

Delta R.T. -0.21 min

Lab File: BF083018.D

Acq: 18 Nov 2015 20:00

Tgt Ion:165 Resp: 35479

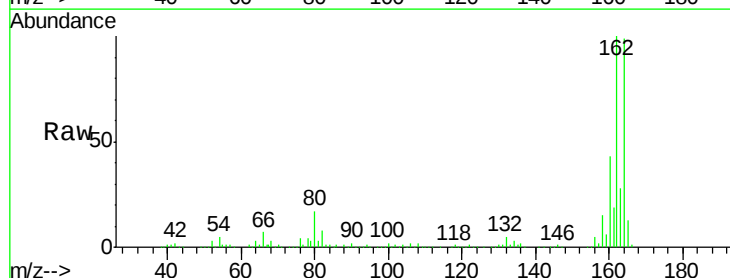
Ion Ratio Lower Upper

165 100

63 1.7 43.4 65.0#

89 1.2 70.6 106.0#

182 0.0 1.5 2.3#

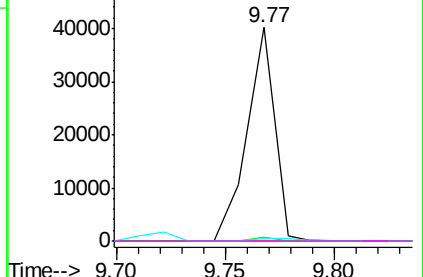
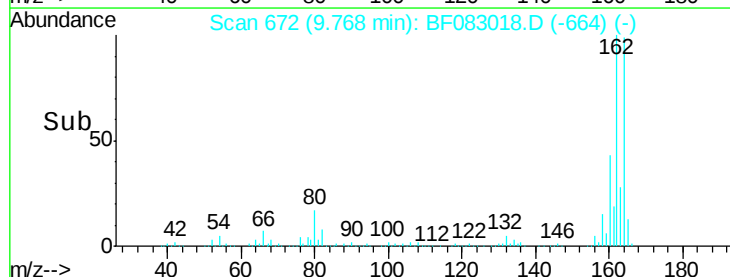


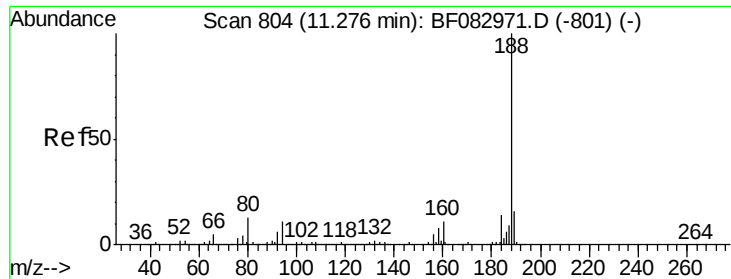
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.24 min Scan# 801

Delta R.T. -0.01 min

Lab File: BF083018.D

Acq: 18 Nov 2015 20:00

Instrument :

BNA_F

ClientSampleId :

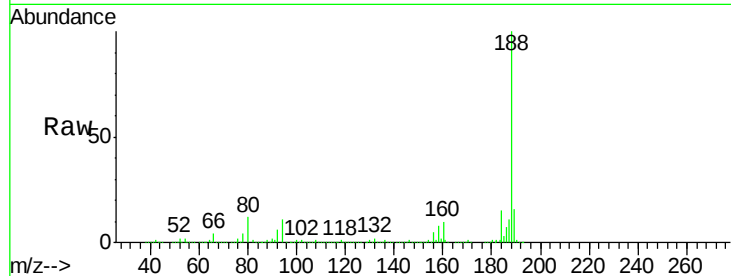
Tot Ion:188 Resp: 698515

Ion Ratio Lower Upper

188 100

94 11.2 6.1 9.1#

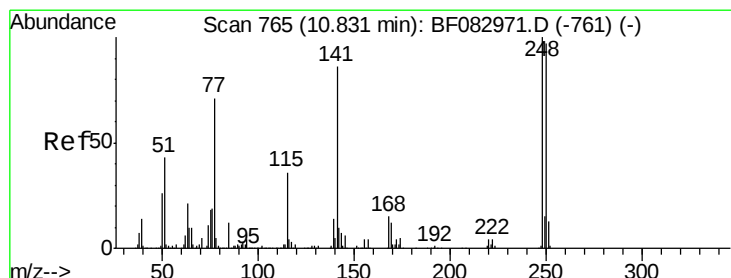
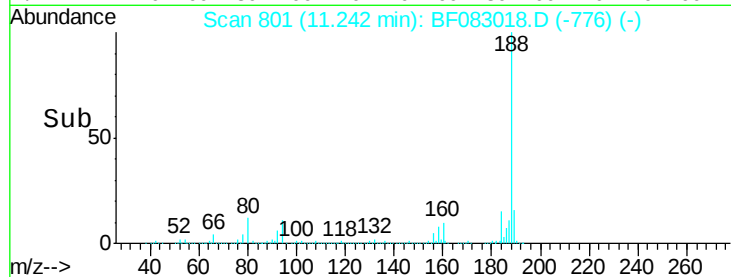
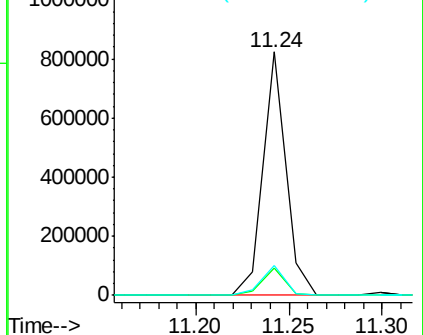
80 12.2 7.0 10.6#



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: 3.25 ng

RT: 10.56 min Scan# 741

Delta R.T. -0.25 min

Lab File: BF083018.D

Acq: 18 Nov 2015 20:00

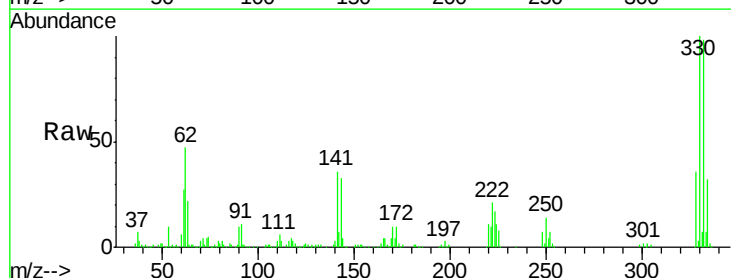
Tgt Ion:248 Resp: 27306

Ion Ratio Lower Upper

248 100

250 208.3 79.4 119.2#

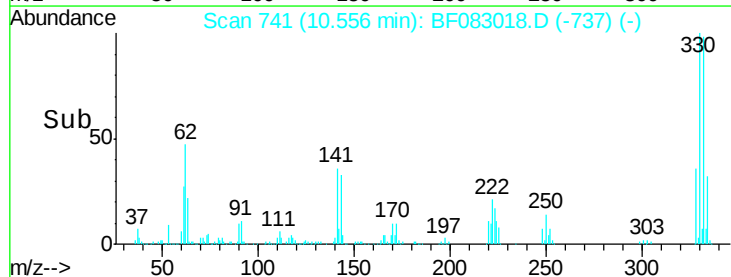
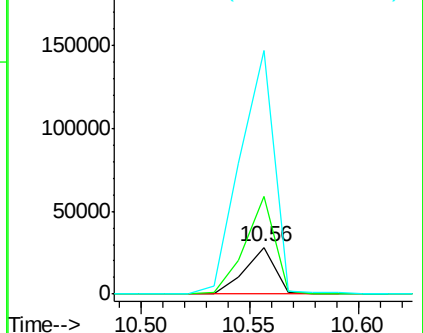
141 522.4 36.3 54.5#

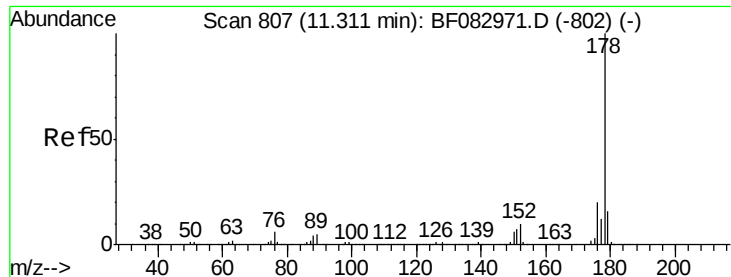


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

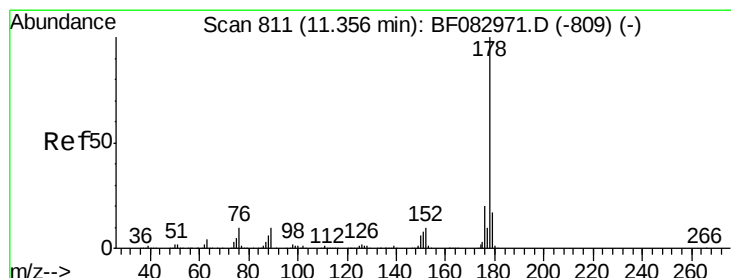
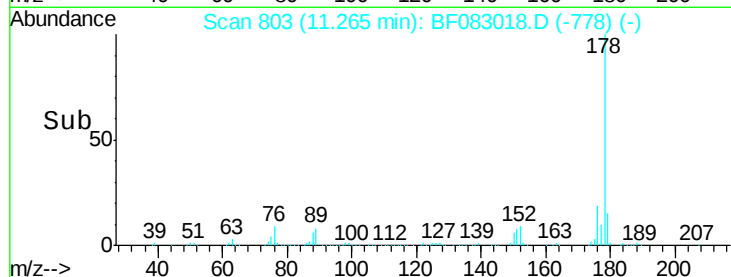
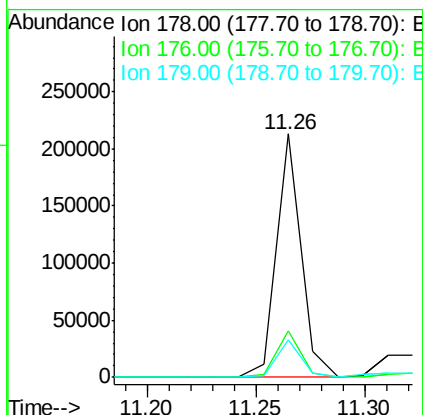
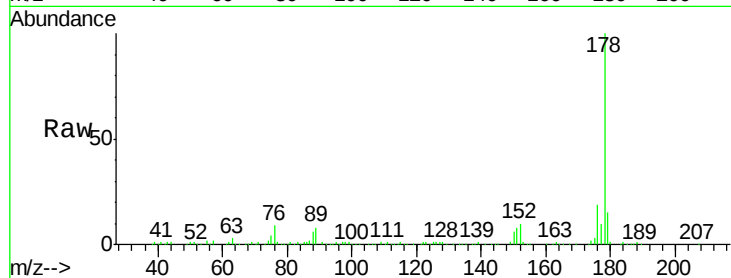




#70
Phenanthrene
Concen: 4.19 ng
RT: 11.26 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF083018.D
Acq: 18 Nov 2015 20:00

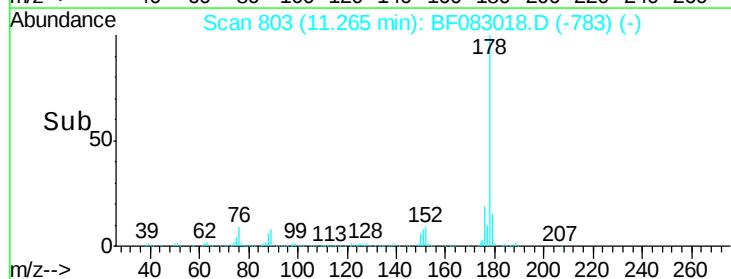
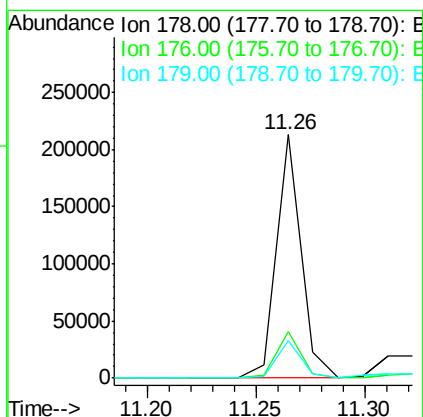
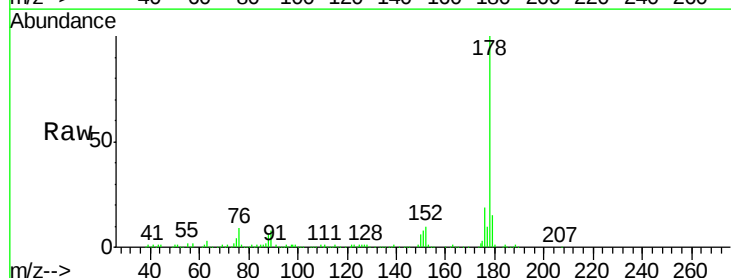
Instrument :
BNA_F
ClientSampleId :

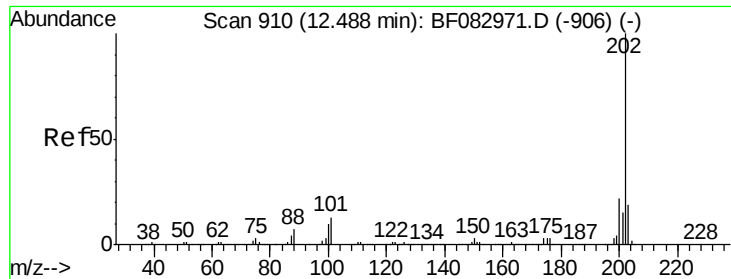
Tot Ion:178 Resp: 170137
Ion Ratio Lower Upper
178 100
176 19.0 17.0 25.4
179 15.3 13.4 20.0



#71
Anthracene
Concen: 3.98 ng
RT: 11.26 min Scan# 803
Delta R.T. -0.07 min
Lab File: BF083018.D
Acq: 18 Nov 2015 20:00

Tgt Ion:178 Resp: 170137
Ion Ratio Lower Upper
178 100
176 19.0 16.5 24.7
179 15.3 13.2 19.8





#74

Fluoranthene

Concen: 4.92 ng

RT: 12.45 min Scan# 907

Delta R.T. -0.01 min

Lab File: BF083018.D

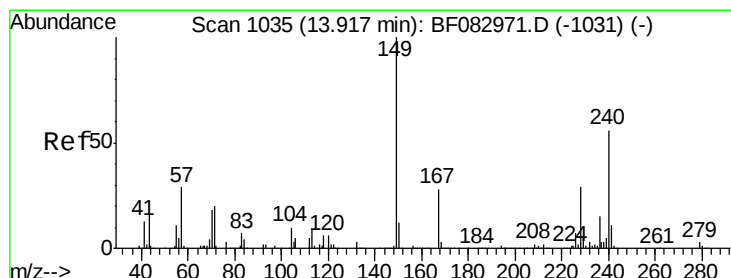
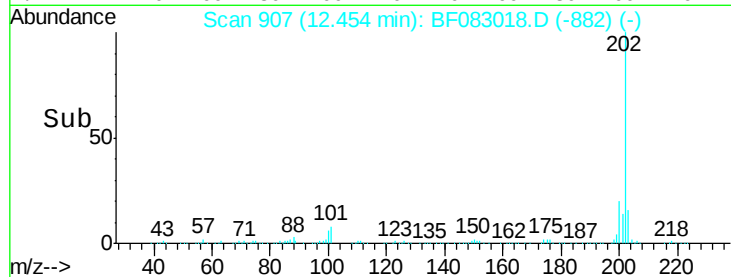
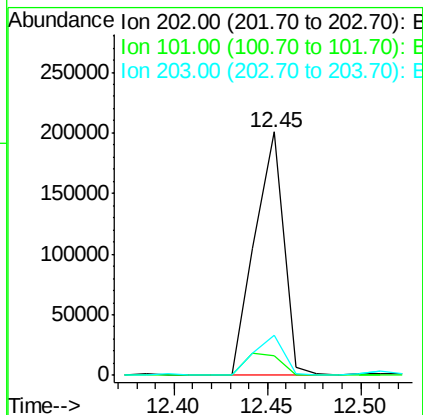
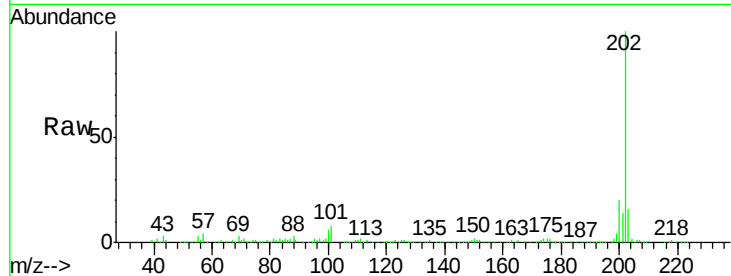
Acq: 18 Nov 2015 20:00

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	202	Resp:	214234
Ion	Ratio	Lower	Upper
202	100		
101	8.1	0.0	30.5
203	16.3	0.0	38.5



#75

Chrysene-d12

Concen: 20.00 ng

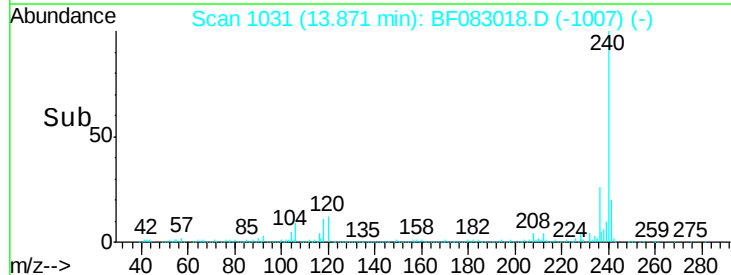
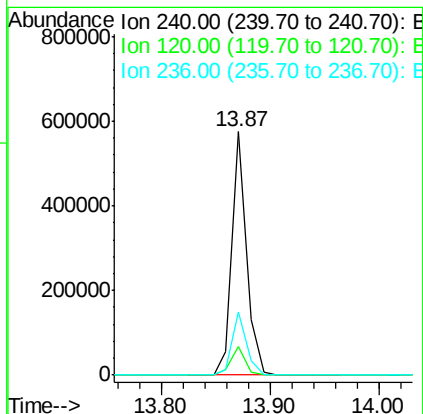
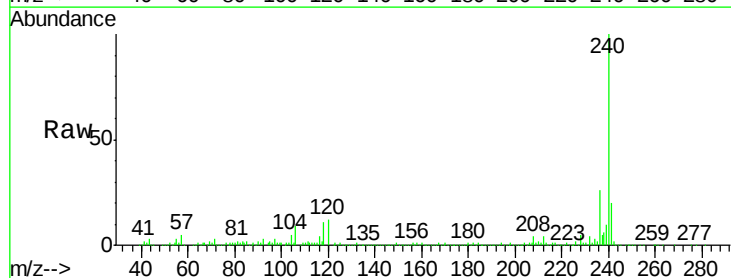
RT: 13.87 min Scan# 1031

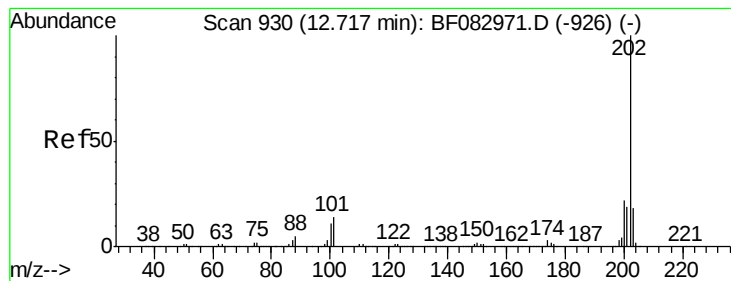
Delta R.T. -0.02 min

Lab File: BF083018.D

Acq: 18 Nov 2015 20:00

Tgt Ion:	240	Resp:	532357
Ion	Ratio	Lower	Upper
240	100		
120	11.9	10.9	16.3
236	25.8	21.6	32.4





#77

Pvrene

Concen: 5.45 ng

RT: 12.67 min Scan# 926

Delta R.T. -0.02 min

Lab File: BF083018.D

Acq: 18 Nov 2015 20:00

Instrument :

BNA_F

ClientSampleId :

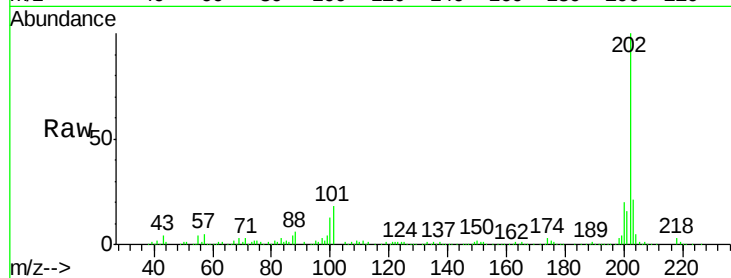
Tot Ion:202 Resp: 199285

Ion Ratio Lower Upper

202 100

200 20.4 18.7 28.1

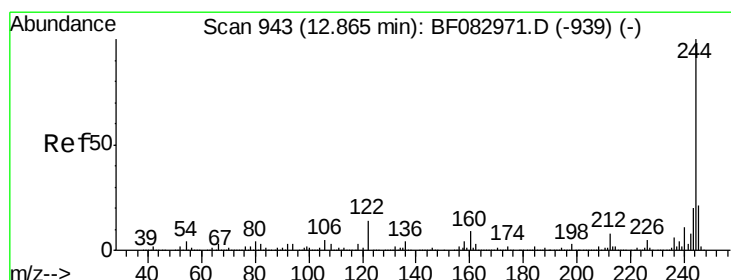
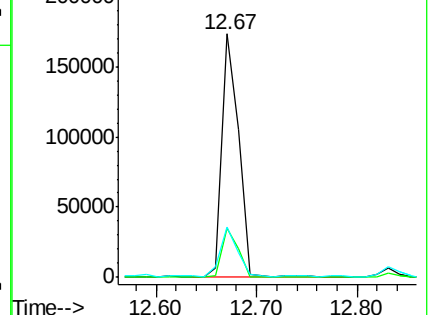
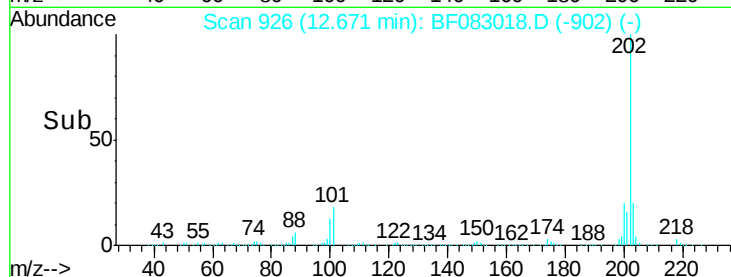
203 20.5 14.8 22.2



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: 71.18 ng

RT: 12.83 min Scan# 940

Delta R.T. -0.01 min

Lab File: BF083018.D

Acq: 18 Nov 2015 20:00

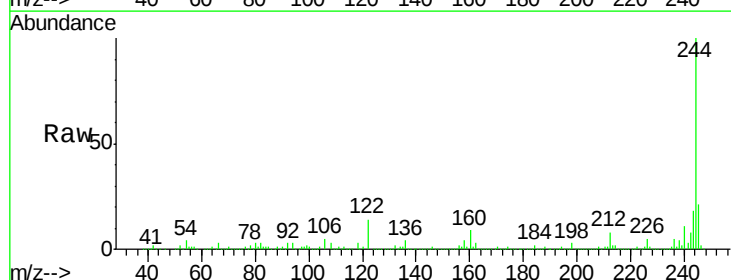
Tgt Ion:244 Resp: 1597545

Ion Ratio Lower Upper

244 100

212 8.1 7.6 11.4

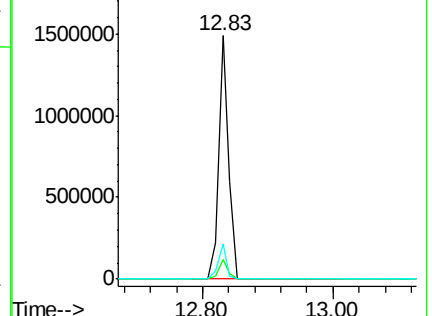
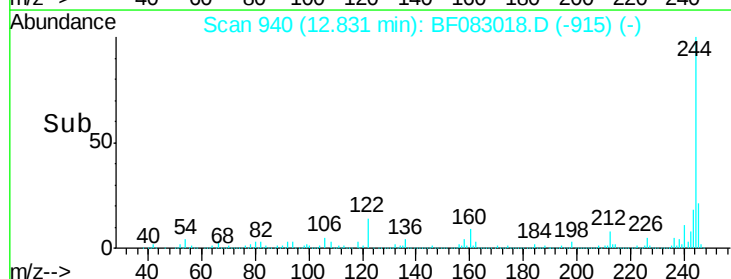
122 14.4 11.3 16.9

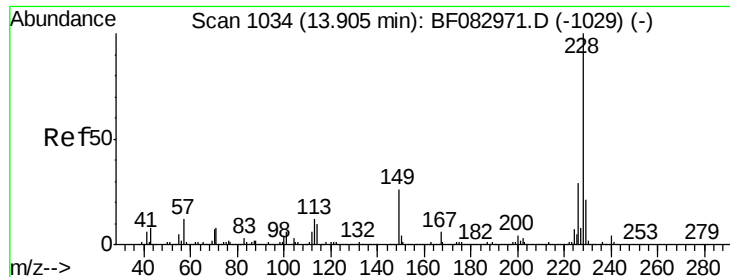


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.81 ng

RT: 13.86 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF083018.D

Acq: 18 Nov 2015 20:00

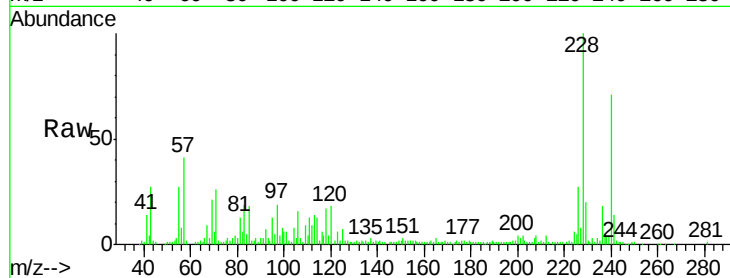
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 93644

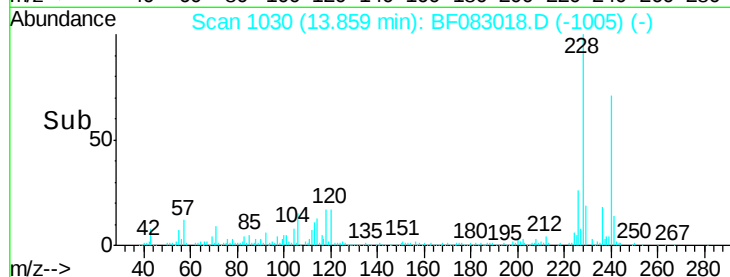
Ion	Ratio	Lower	Upper
228	100		
226	27.0	23.4	35.2
229	20.2	16.3	24.5



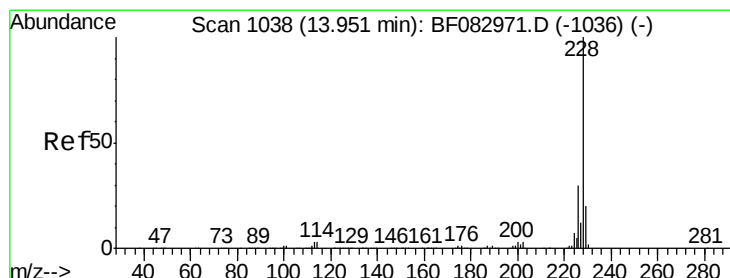
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#82

Chrysene

Concen: 2.21 ng

RT: 13.89 min Scan# 1033

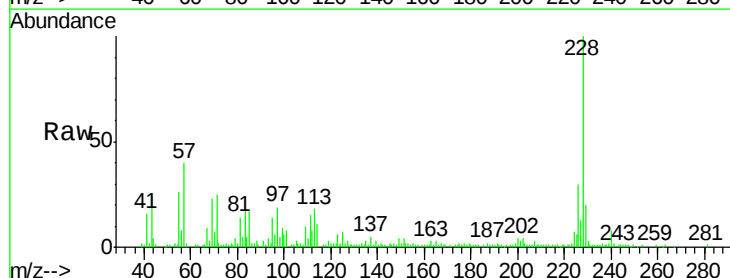
Delta R.T. -0.02 min

Lab File: BF083018.D

Acq: 18 Nov 2015 20:00

Tgt Ion:228 Resp: 67529

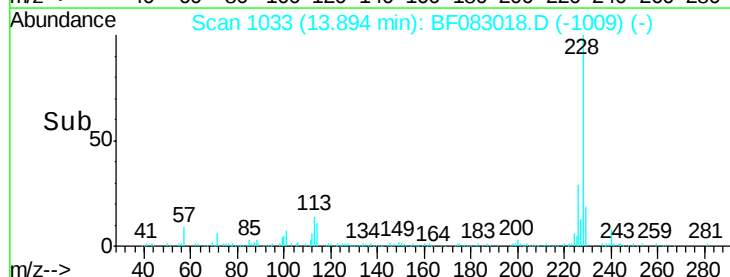
Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.5	38.3
229	20.2	16.3	24.5



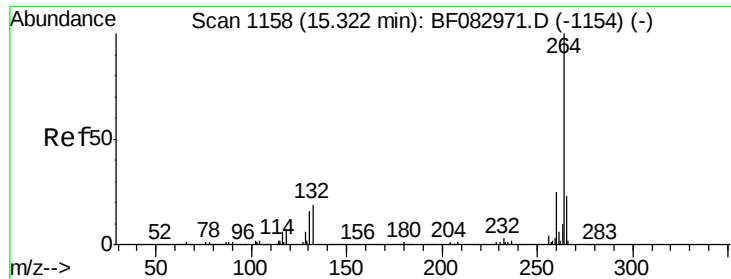
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



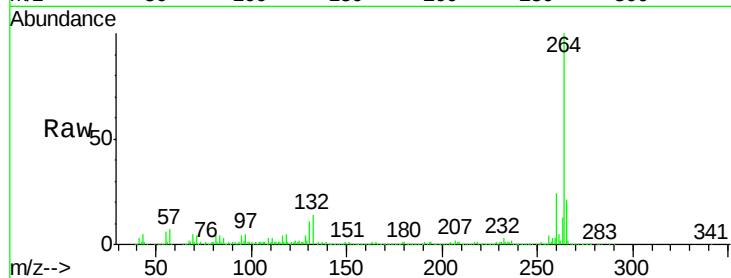
Time-->



#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.27 min Scan# 1153
Delta R.T. -0.01 min
Lab File: BF083018.D
Acq: 18 Nov 2015 20:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.8	29.6
265	21.4	17.4	26.0

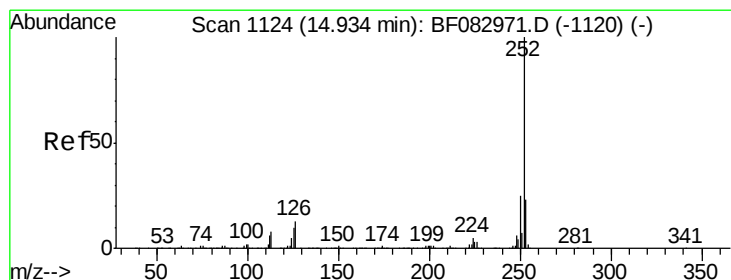
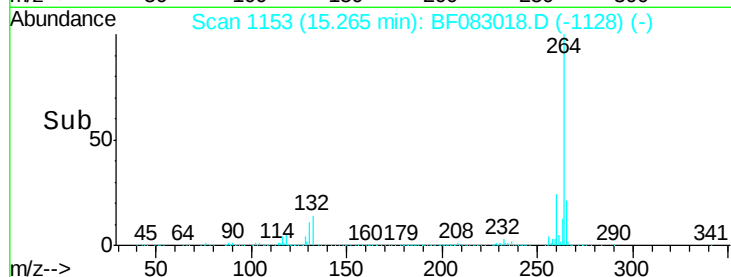
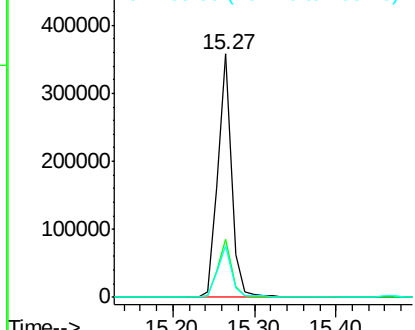


Abundance

Ion 264.00 (263.70 to 264.70): E

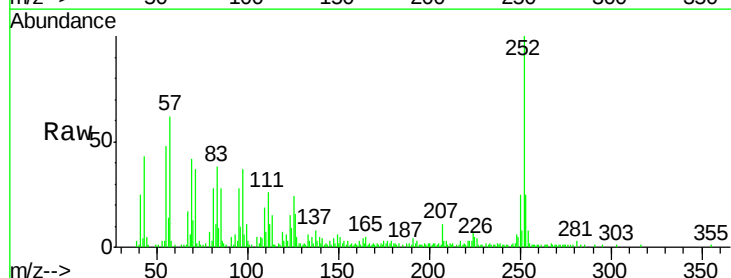
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87
Benzo(b)fluoranthene
Concen: 3.47 ng
RT: 14.88 min Scan# 1119
Delta R.T. -0.02 min
Lab File: BF083018.D
Acq: 18 Nov 2015 20:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.8	26.8
125	24.4	5.4	8.2#

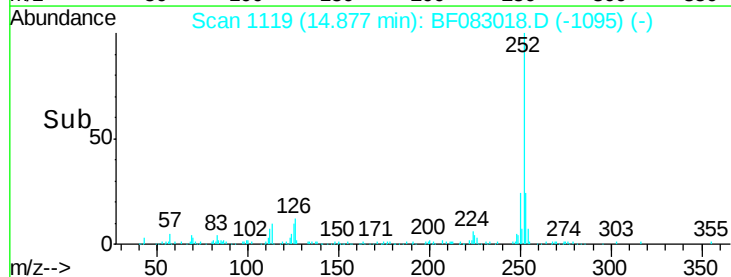
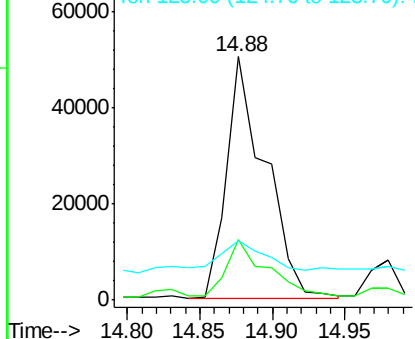


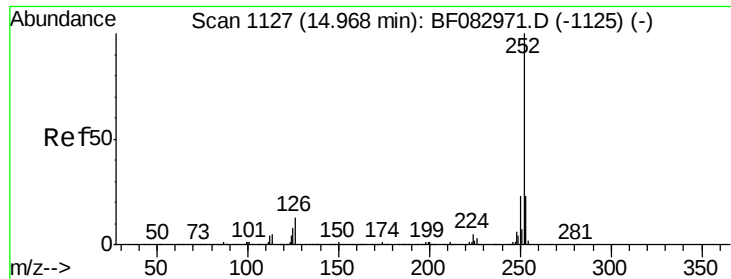
Abundance

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

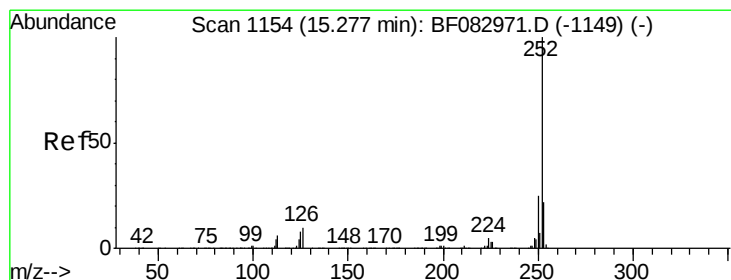
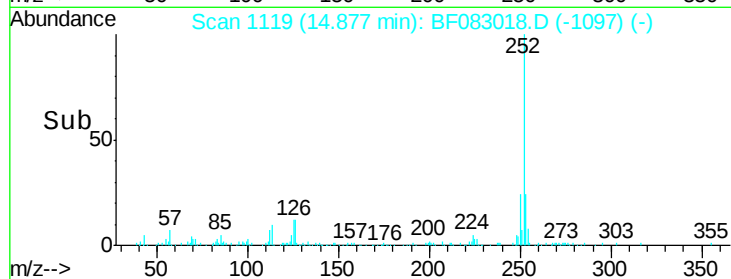
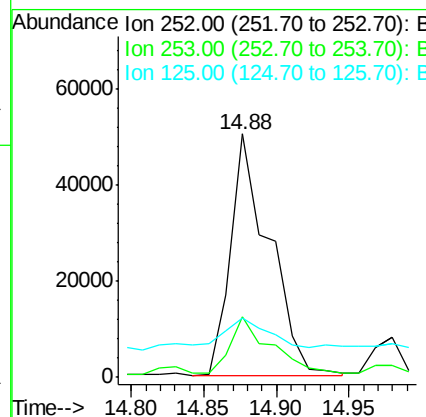
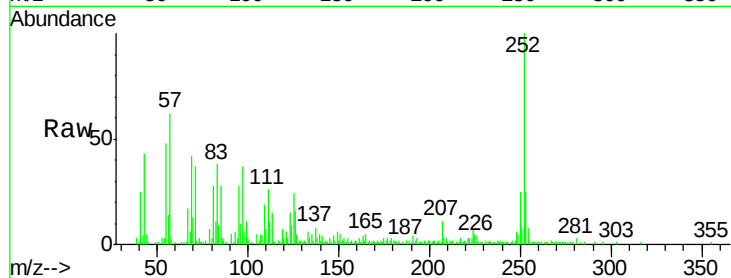




#88
Benzo(k)fluoranthene
Concen: 3.91 ng
RT: 14.88 min Scan# 1119
Delta R.T. -0.05 min
Lab File: BF083018.D
Acq: 18 Nov 2015 20:00

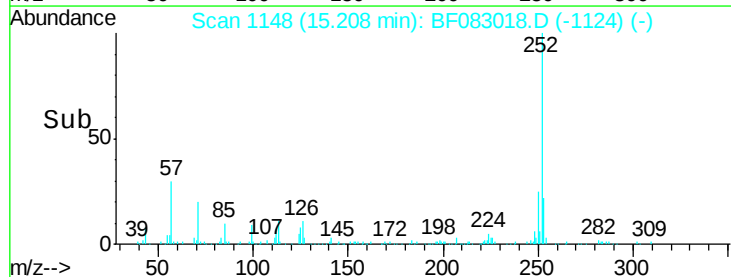
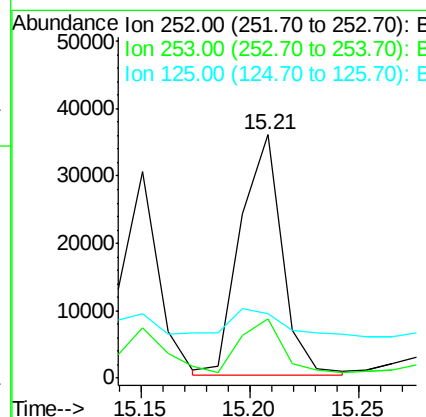
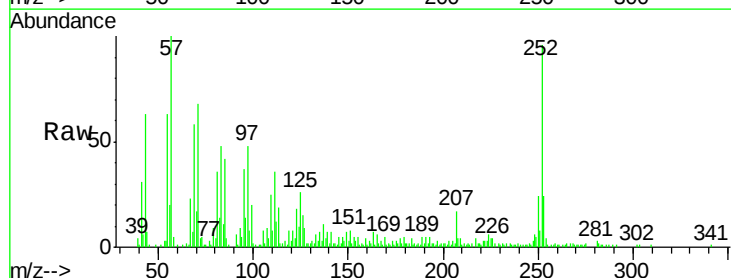
Instrument :
BNA_F
ClientSampleId :

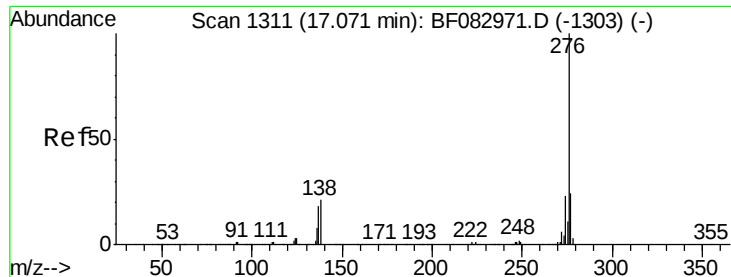
Tot Ion:252 Resp: 92873
Ion Ratio Lower Upper
252 100
253 24.7 17.9 26.9
125 24.4 3.5 5.3#



#89
Benzo(a)pyrene
Concen: 2.04 ng
RT: 15.21 min Scan# 1148
Delta R.T. -0.02 min
Lab File: BF083018.D
Acq: 18 Nov 2015 20:00

Tgt Ion:252 Resp: 47290
Ion Ratio Lower Upper
252 100
253 24.6 17.3 25.9
125 26.7 7.1 10.7#





#91
 Benzo(a,h,i)perylene
 Concen: 2.01 ng
 RT: 16.96 min Scan# 1301
 Delta R.T. -0.05 min
 Lab File: BF083018.D
 Acq: 18 Nov 2015 20:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.2	28.8
138	21.2	13.1	19.7

