

Data Path : Z:\HPCHEM1\BNA F\DATA\BF090117\
 Data File : BF098232.D
 Acq On : 1 Sep 2017 17:45
 Operator : SJ/JU
 Sample : I5049-01 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-083017

Quant Time: Sep 01 22:52:43 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	105991	20.00	ng	-0.04
21) Naphthalene-d8	8.00	136	399366	20.00	ng	-0.03
38) Acenaphthene-d10	9.75	164	148430	20.00	ng	-0.04
63) Phenanthrene-d10	11.23	188	224436	20.00	ng	-0.03
75) Chrysene-d12	13.87	240	233056	20.00	ng	-0.03
86) Perylene-d12	15.29	264	168226	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	190092	27.28	ng	-0.03
7) Phenol-d6	6.35	99	258349	27.29	ng	-0.04
23) Nitrobenzene-d5	7.28	82	149027	20.27	ng	-0.04
41) 2,4,6-Tribromophenol	10.54	330	26889	20.88	ng	-0.04
44) 2-Fluorobiphenyl	9.07	172	220827	21.86	ng	-0.04
78) Terphenyl-d14	12.82	244	134456	12.03	ng	-0.04

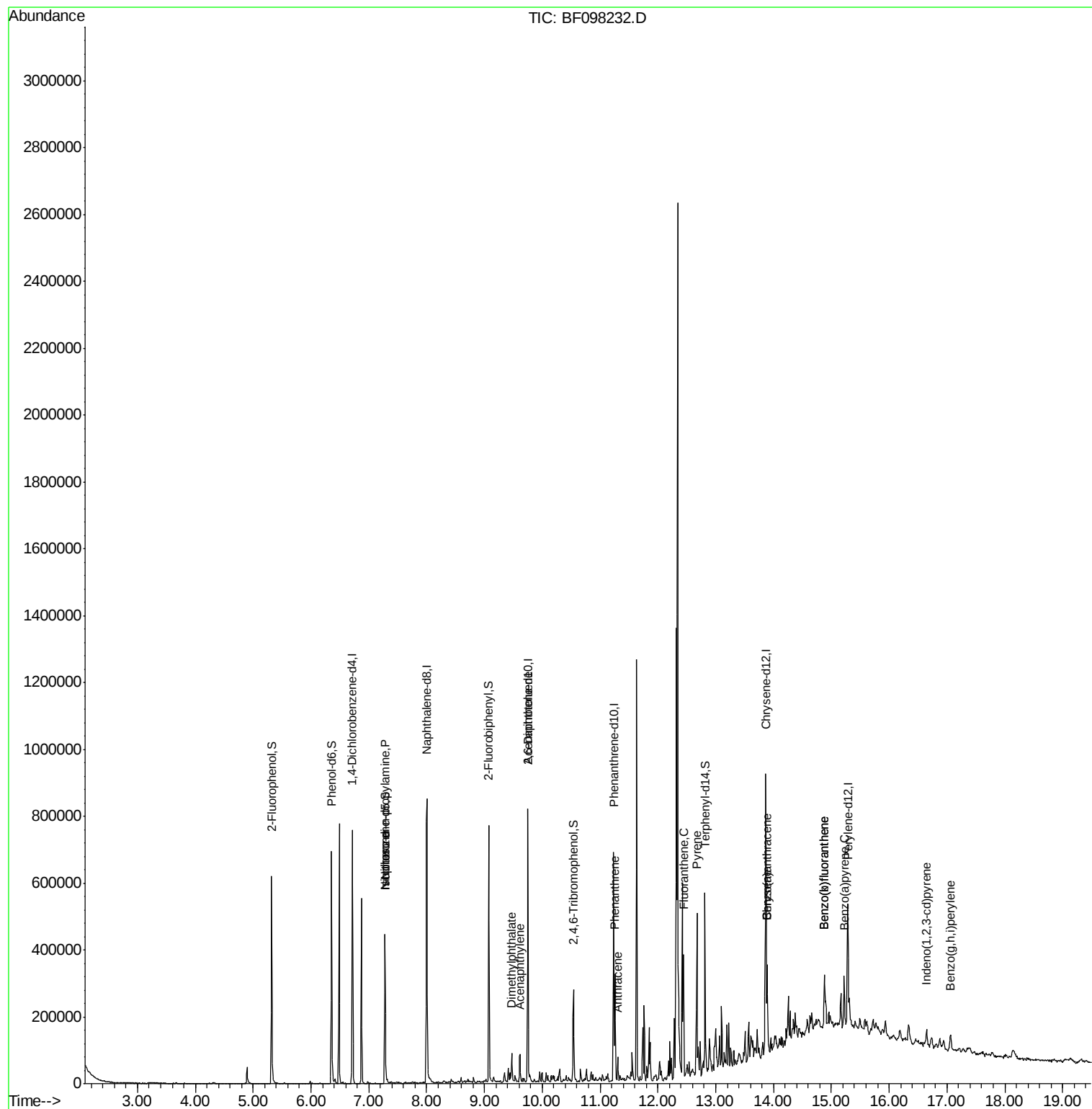
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.28	70	19948	3.078	ng	# 71
25) Isophorone	7.28	82	145173	9.497	ng	# 67
48) Acenaphthylene	9.62	152	32883	2.094	ng	98
49) Dimethylphthalate	9.47	163	26634	2.455	ng	98
50) 2,6-Dinitrotoluene	9.75	165	19420	8.967	ng	# 34
70) Phenanthrene	11.26	178	100520	8.405	ng	98
71) Anthracene	11.31	178	24434	2.014	ng	95
74) Fluoranthene	12.45	202	130350	10.442	ng	99
77) Pyrene	12.67	202	200023	10.494	ng	98
80) Benzo(a)anthracene	13.89	228	93885	6.721	ng	94
82) Chrysene	13.89	228	93885	6.757	ng	96
85) Indeno(1,2,3-cd)pyrene	16.65	276	23941	2.342	ng	# 89
87) Benzo(b)fluoranthene	14.88	252	100755	9.502	ng	96
88) Benzo(k)fluoranthene	14.88	252	100755	10.114	ng	97
89) Benzo(a)pyrene	15.22	252	62648	6.674	ng	93
91) Benzo(g,h,i)perylene	17.06	276	33019	4.141	ng	95

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

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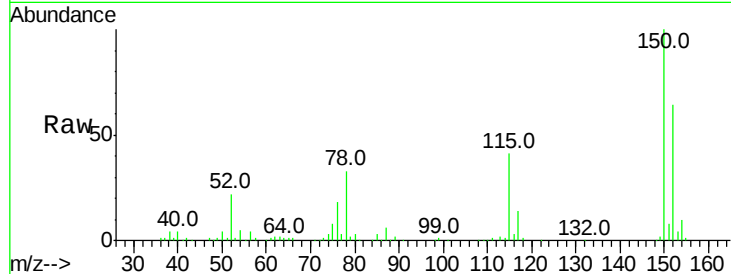


#1

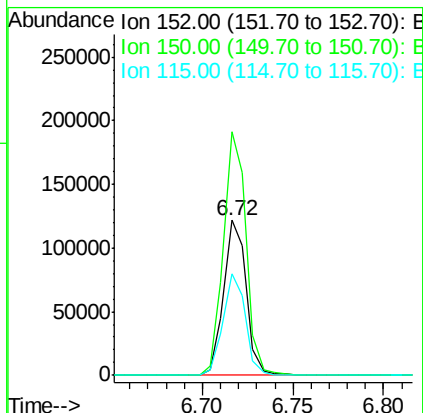
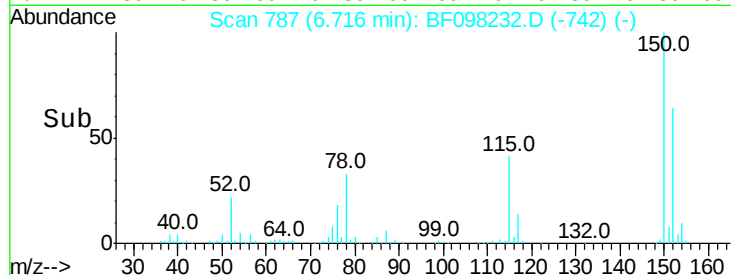
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.04 min
Lab File: BF098232.D
Acq: 1 Sep 2017 17:45

Instrument :
BNA_F
ClientSampleId :
TR-04-083017

Tot Ion:152 Resp: 105991
Ion Ratio Lower Upper
152 100
150 157.1 126.2 189.2
115 65.1 52.2 78.2



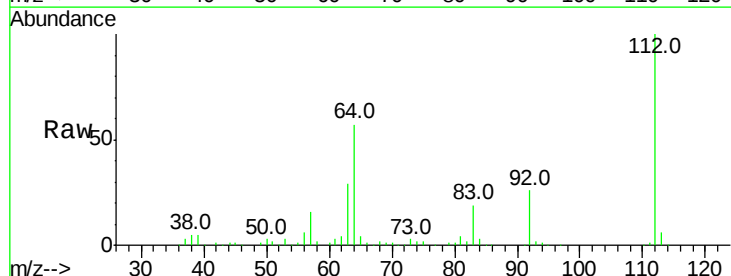
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



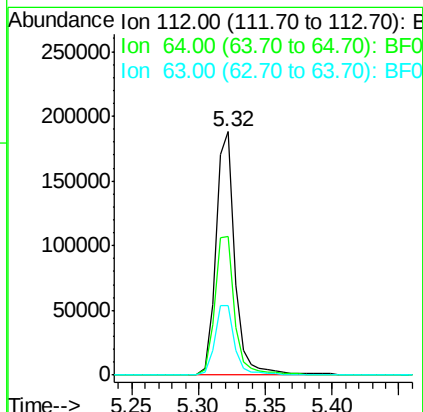
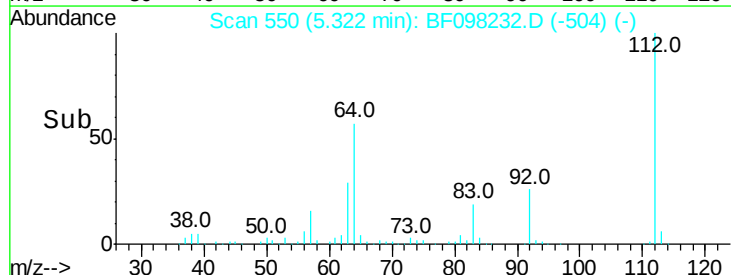
#5

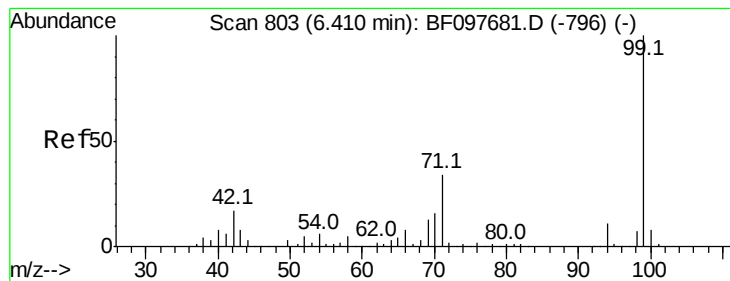
2-Fluorophenol
Concen: 27.280 ng
RT: 5.32 min Scan# 550
Delta R.T. -0.03 min
Lab File: BF098232.D
Acq: 1 Sep 2017 17:45

Tgt Ion:112 Resp: 190092
Ion Ratio Lower Upper
112 100
64 57.2 46.0 69.0
63 28.8 23.4 35.0



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: 27.287 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.04 min

Lab File: BF098232.D

Acq: 1 Sep 2017 17:45

Instrument :

BNA_F

ClientSampleId :

TR-04-083017

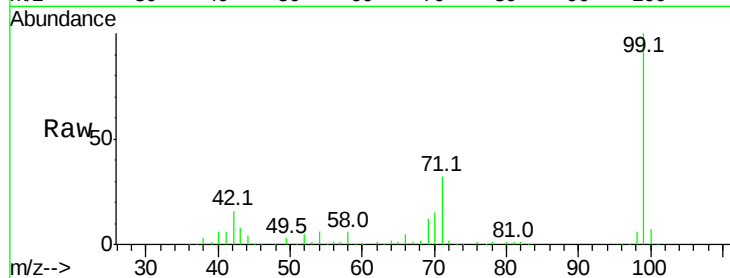
Tot Ion: 99 Resp: 258349

Ion Ratio Lower Upper

99 100

42 16.1 13.5 20.3

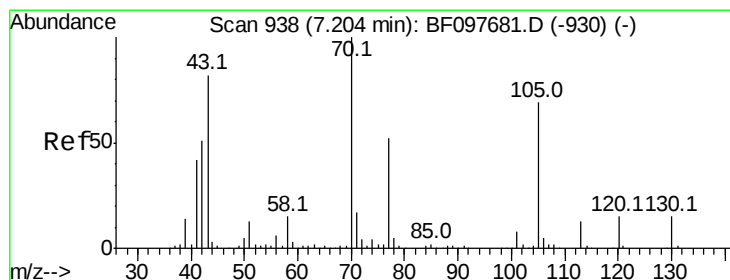
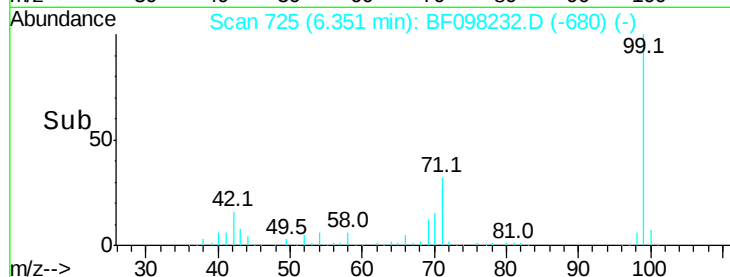
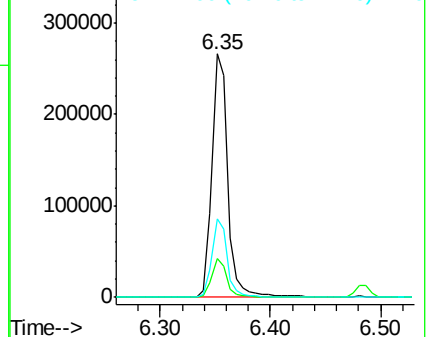
71 32.5 24.5 36.7



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: 3.078 ng

RT: 7.28 min Scan# 883

Delta R.T. 0.11 min

Lab File: BF098232.D

Acq: 1 Sep 2017 17:45

Tgt Ion: 70 Resp: 19948

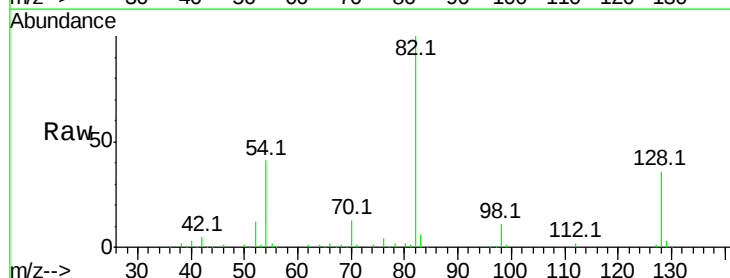
Ion Ratio Lower Upper

70 100

42 39.2 47.2 70.8#

101 0.0 7.2 10.8#

130 1.4 15.9 23.9#

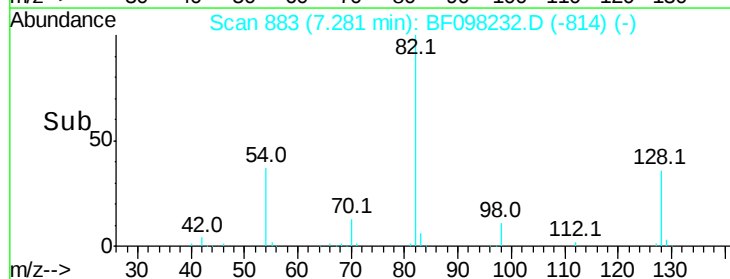
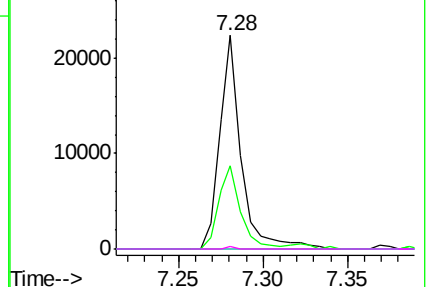


Abundance Ion 70.00 (69.70 to 70.70): BF0

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

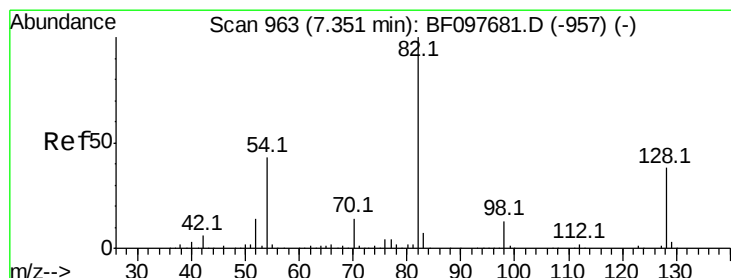
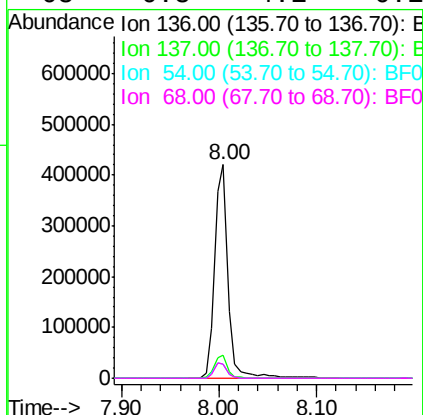
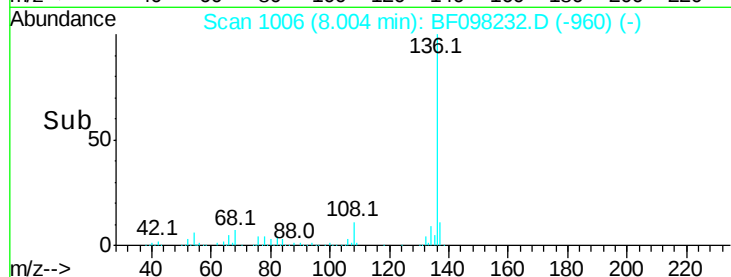
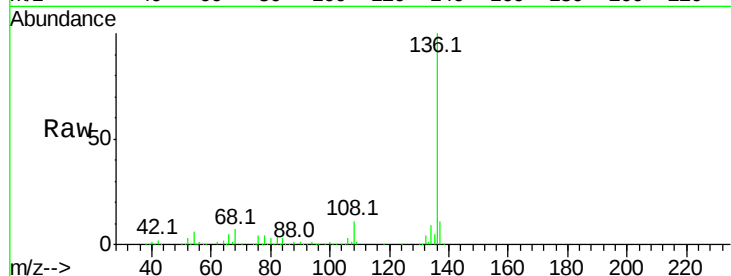




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.03 min
Lab File: BF098232.D
Acq: 1 Sep 2017 17:45

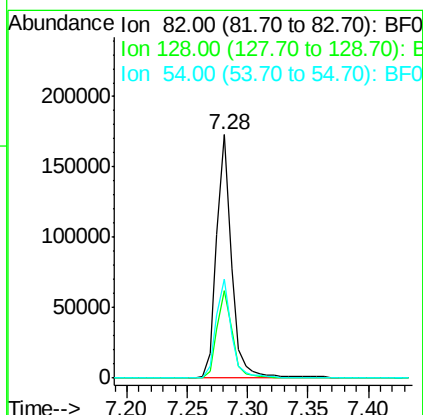
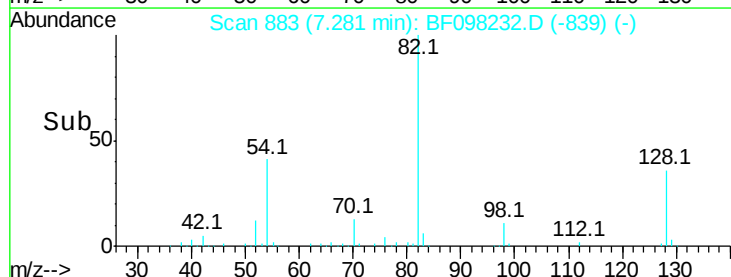
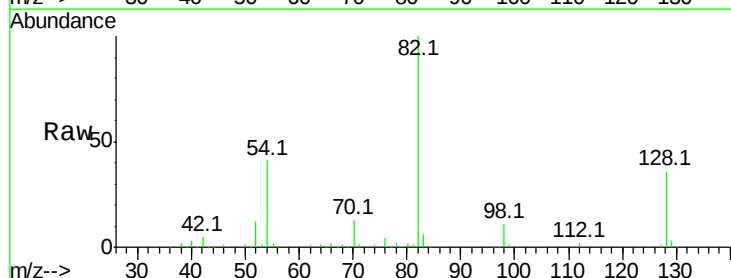
Instrument :
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TR-04-083017

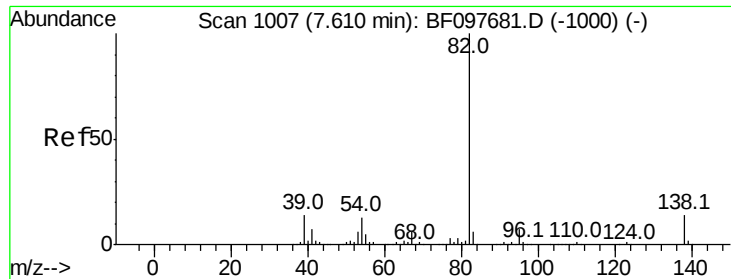
Tot Ion:136	Resp:	399366
Ion	Ratio	Lower Upper
136	100	
137	10.7	8.5 12.7
54	6.4	4.9 7.3
68	6.8	4.1 6.1#



#23
Nitrobenzene-d5
Concen: 20.272 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.04 min
Lab File: BF098232.D
Acq: 1 Sep 2017 17:45

Tgt Ion: 82	Resp:	149027
Ion	Ratio	Lower Upper
82	100	
128	36.0	34.0 51.0
54	40.6	42.2 63.2#

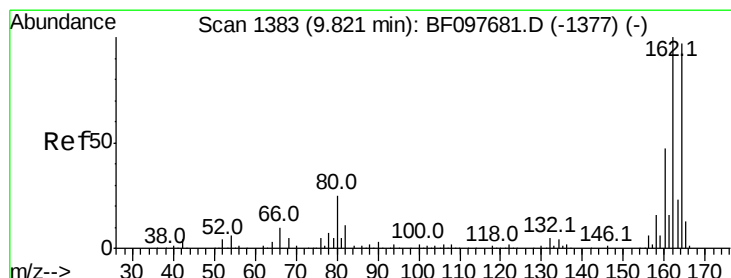
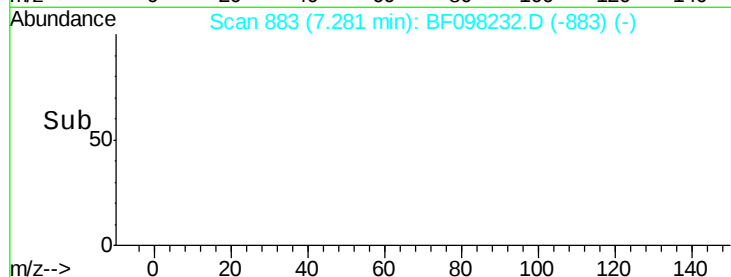
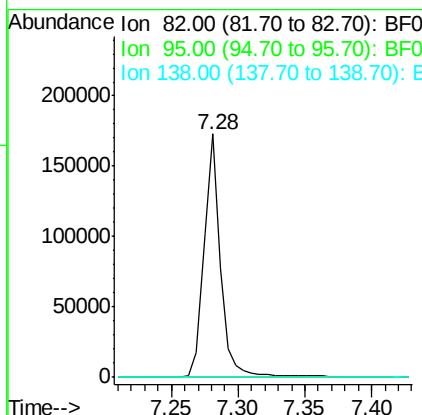
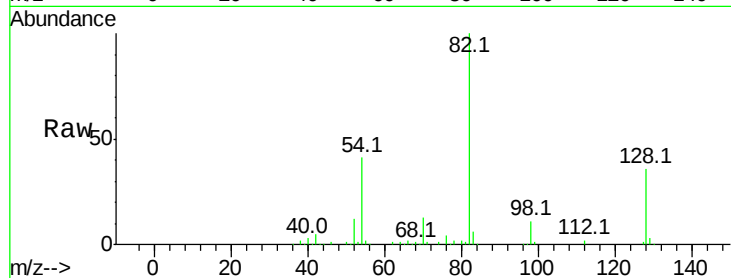




#25
Isophorone
Concen: 9.497 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.30 min
Lab File: BF098232.D
Acq: 1 Sep 2017 17:45

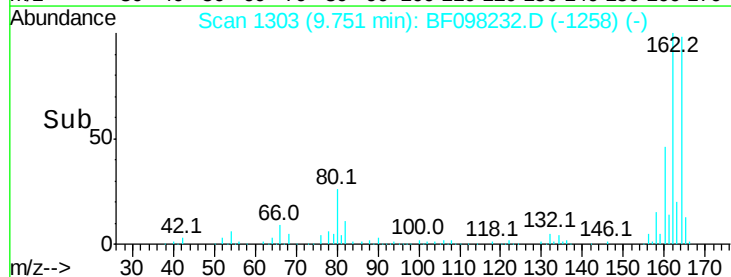
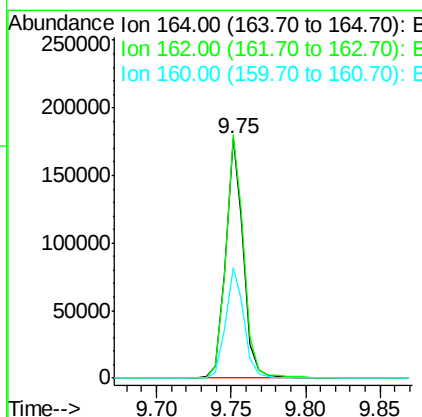
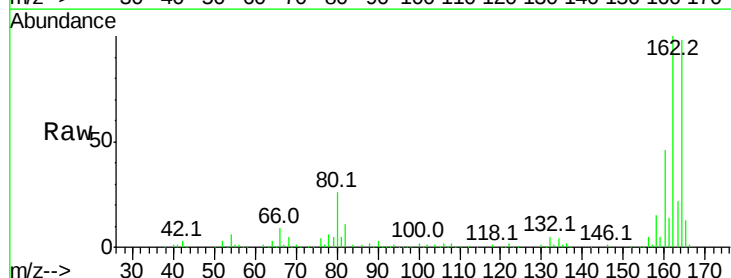
Instrument :
BNA_F
ClientSampleId :
TR-04-083017

Tot Ion: 82 Resp: 145173
Ion Ratio Lower Upper
82 100
95 0.0 5.3 7.9#
138 0.0 13.1 19.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.04 min
Lab File: BF098232.D
Acq: 1 Sep 2017 17:45

Tgt Ion:164 Resp: 148430
Ion Ratio Lower Upper
164 100
162 101.8 82.6 123.8
160 46.4 36.2 54.2

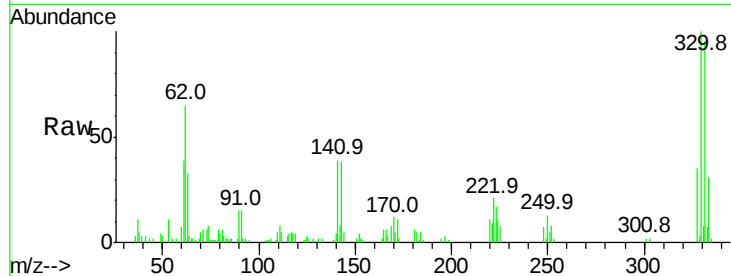




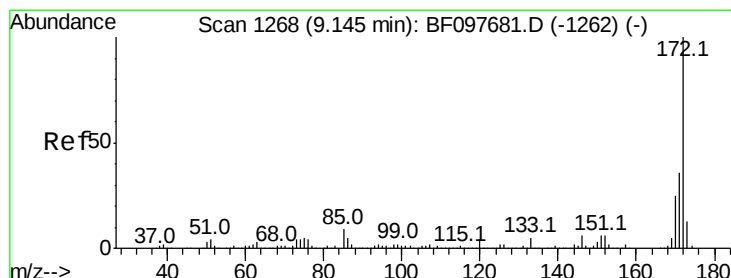
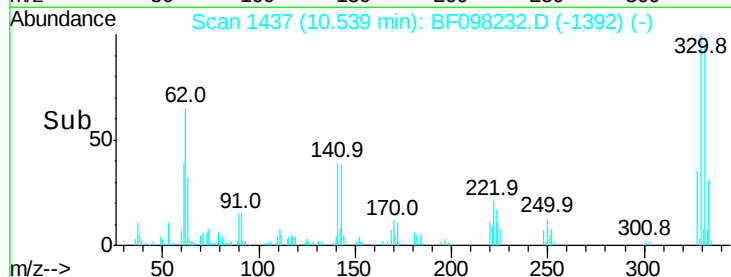
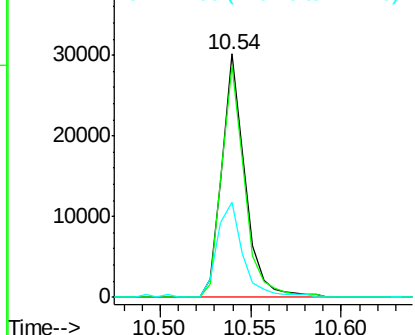
#41
 2,4,6-Tribromophenol
 Concen: 20.879 ng
 RT: 10.54 min Scan# 1437
 Delta R.T. -0.04 min
 Lab File: BF098232.D
 Acq: 1 Sep 2017 17:45

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-083017

Tot Ion:330 Resp: 26889
 Ion Ratio Lower Upper
 330 100
 332 94.4 76.6 115.0
 141 43.3 31.4 47.2

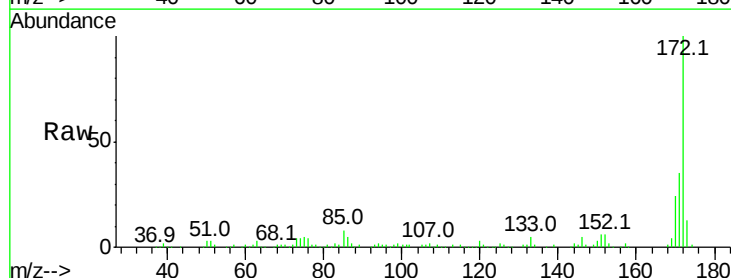


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

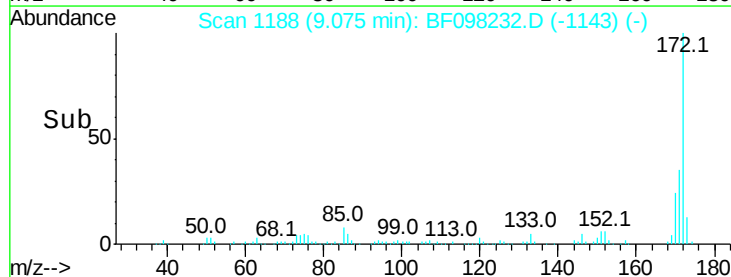
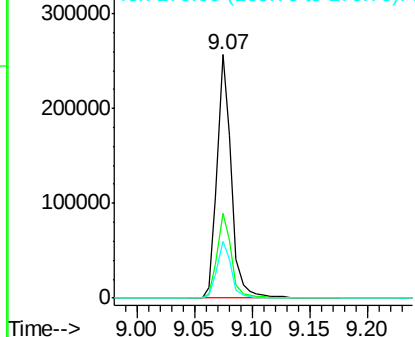


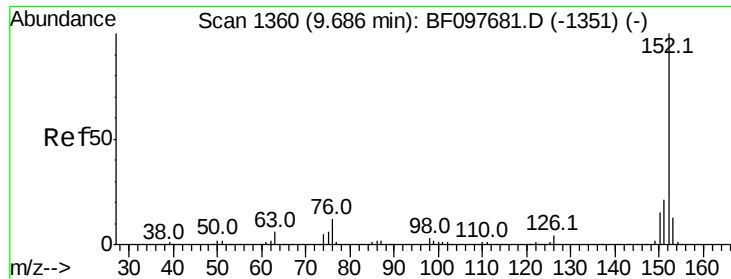
#44
 2-Fluorobiphenyl
 Concen: 21.858 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.04 min
 Lab File: BF098232.D
 Acq: 1 Sep 2017 17:45

Tgt Ion:172 Resp: 220827
 Ion Ratio Lower Upper
 172 100
 171 35.1 29.6 44.4
 170 23.5 19.8 29.8



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





#48

Acenaphthylene

Concen: 2.094 ng

RT: 9.62 min Scan# 1280

Delta R.T. -0.04 min

Lab File: BF098232.D

Acq: 1 Sep 2017 17:45

Instrument :

BNA_F

ClientSampleId :

TR-04-083017

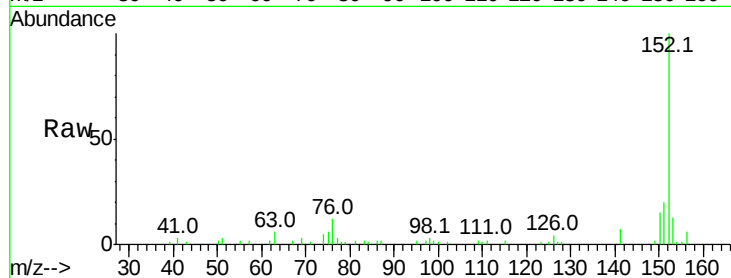
Tot Ion:152 Resp: 32883

Ion Ratio Lower Upper

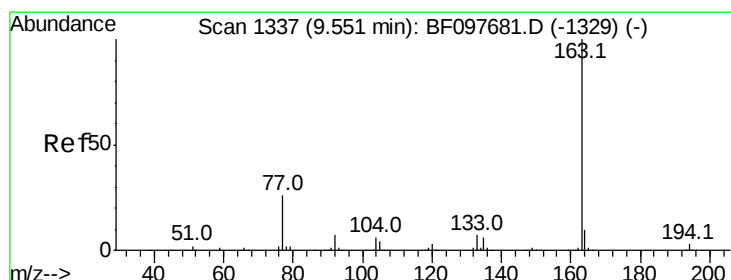
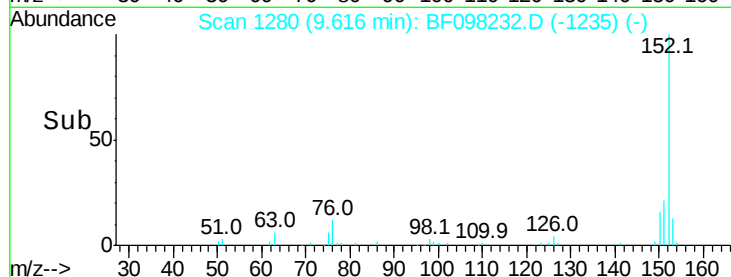
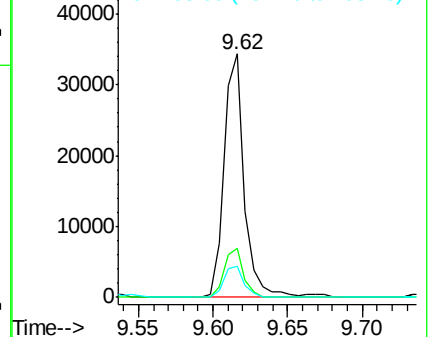
152 100

151 20.4 16.8 25.2

153 12.6 10.8 16.2



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 2.455 ng

RT: 9.47 min Scan# 1256

Delta R.T. -0.04 min

Lab File: BF098232.D

Acq: 1 Sep 2017 17:45

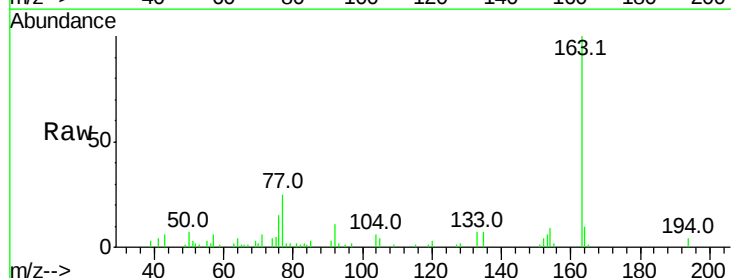
Tgt Ion:163 Resp: 26634

Ion Ratio Lower Upper

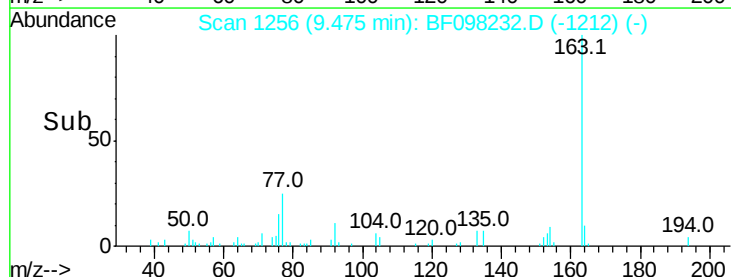
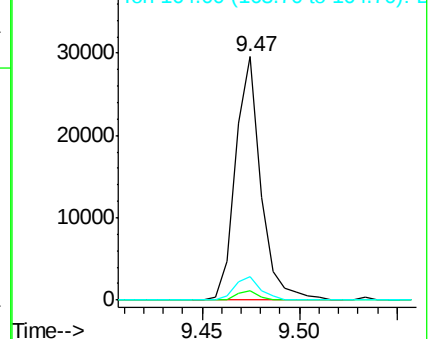
163 100

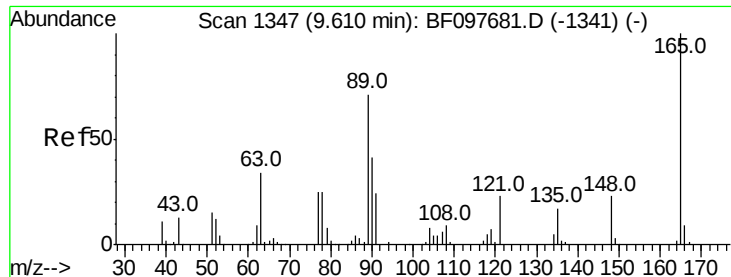
194 3.8 2.6 4.0

164 9.7 8.4 12.6



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

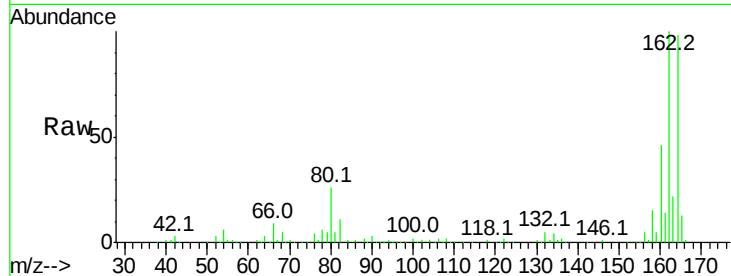




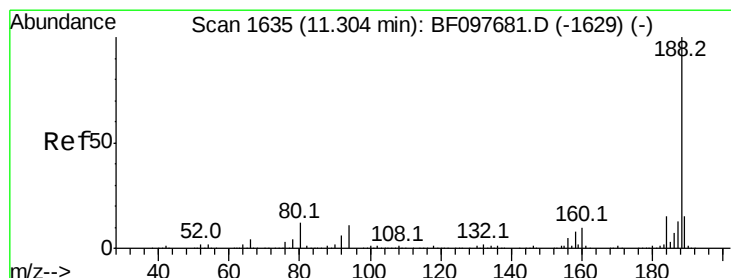
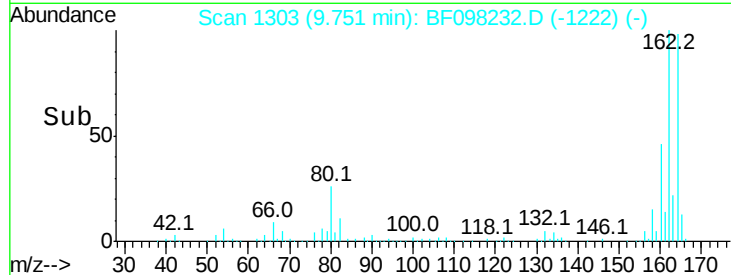
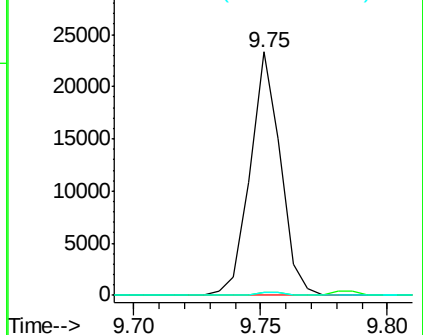
#50
 2,6-Dinitrotoluene
 Concen: 8.967 ng
 RT: 9.75 min Scan# 1303
 Delta R.T. 0.18 min
 Lab File: BF098232.D
 Acq: 1 Sep 2017 17:45

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-083017

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	34.3	51.5#
89	1.4	37.1	55.7#

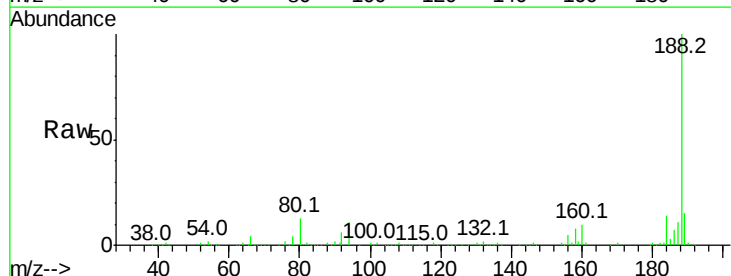


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

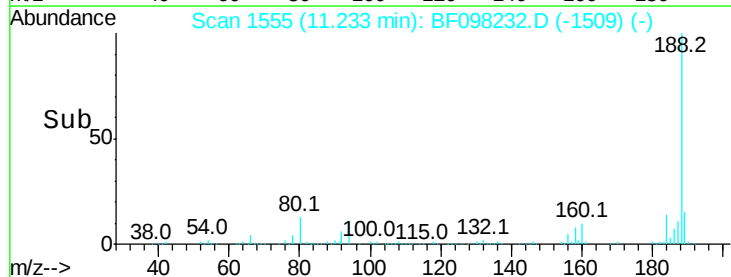
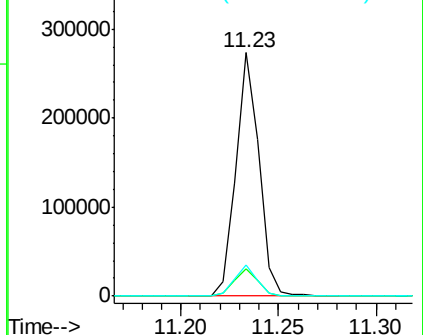


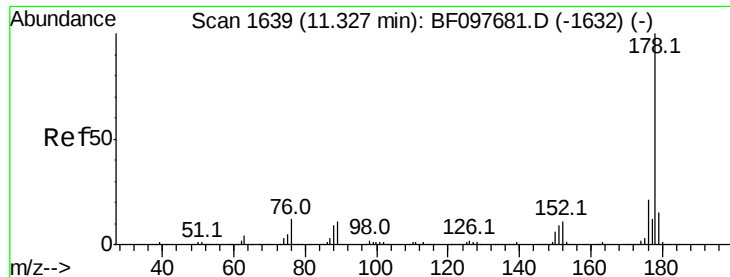
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.03 min
 Lab File: BF098232.D
 Acq: 1 Sep 2017 17:45

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.3	9.4	14.2
80	12.7	10.2	15.2



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: 8.405 ng

RT: 11.26 min Scan# 1559

Delta R.T. -0.04 min

Lab File: BF098232.D

Acq: 1 Sep 2017 17:45

Instrument :

BNA_F

ClientSampleId :

TR-04-083017

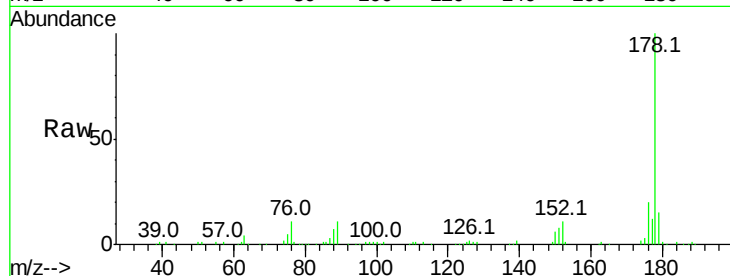
Tot Ion:178 Resp: 100520

Ion Ratio Lower Upper

178 100

176 19.9 16.2 24.4

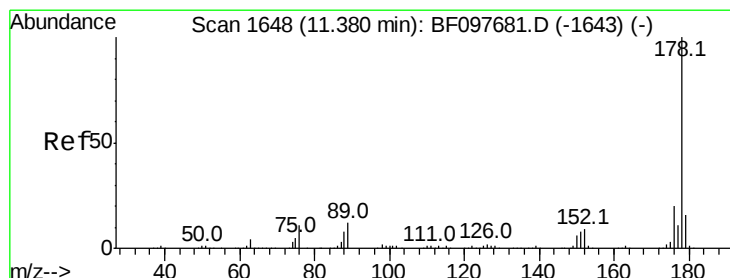
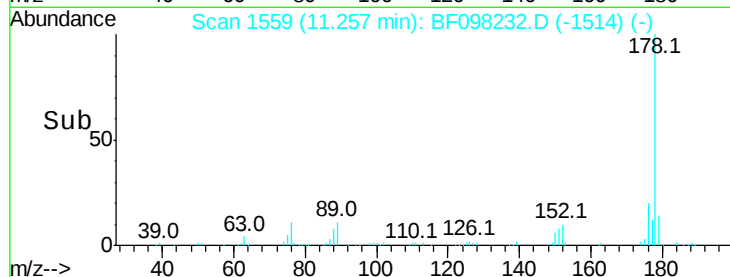
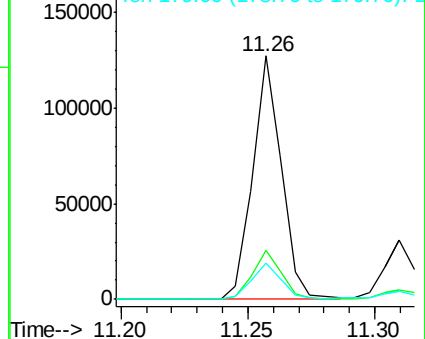
179 14.7 12.6 19.0



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



#71

Anthracene

Concen: 2.014 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.04 min

Lab File: BF098232.D

Acq: 1 Sep 2017 17:45

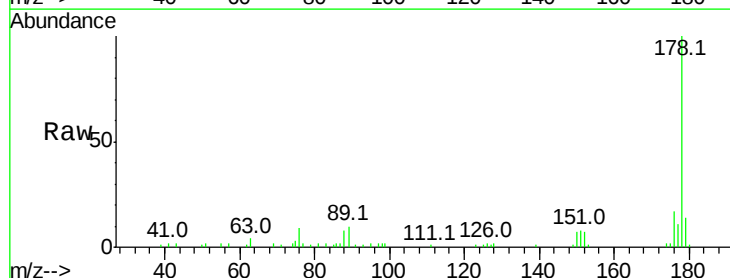
Tgt Ion:178 Resp: 24434

Ion Ratio Lower Upper

178 100

176 16.8 15.8 23.8

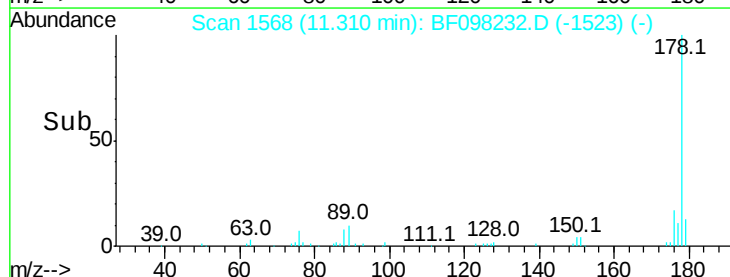
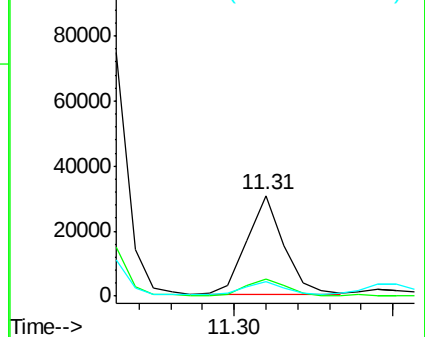
179 14.2 12.7 19.1

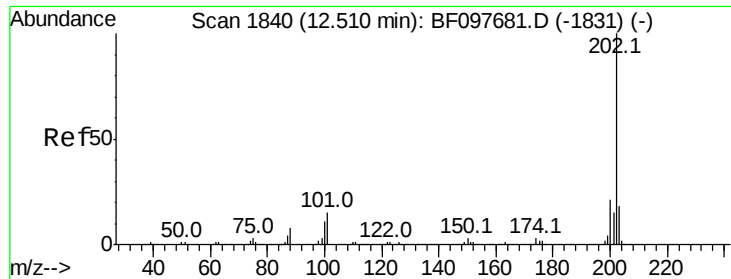


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

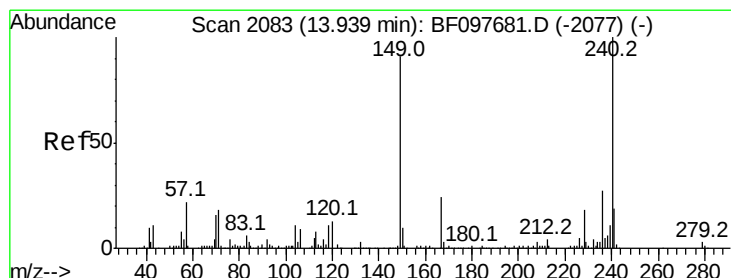
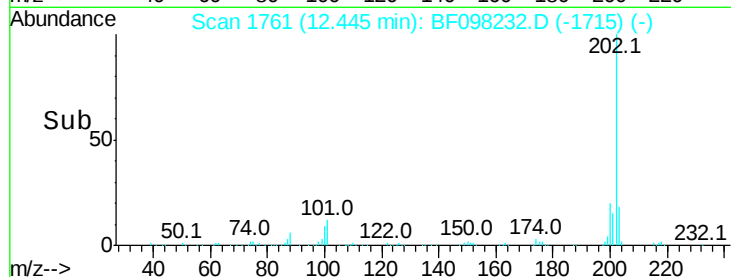
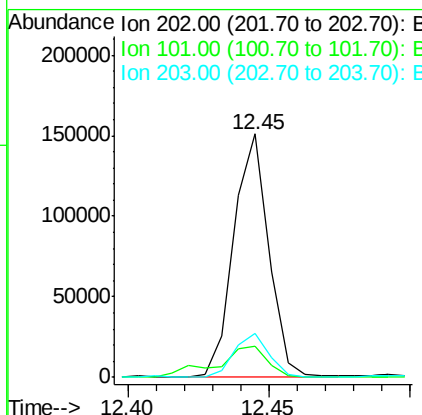
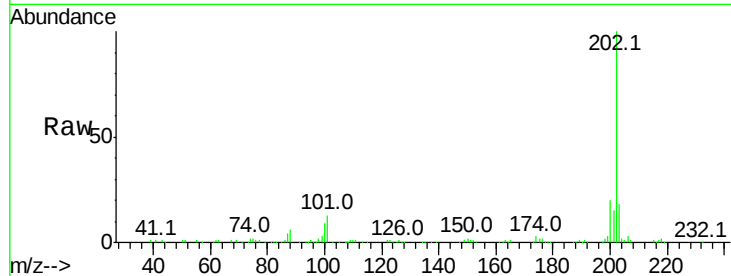




#74
Fluoranthene
Concen: 10.442 ng
RT: 12.45 min Scan# 1761
Delta R.T. -0.03 min
Lab File: BF098232.D
Acq: 1 Sep 2017 17:45

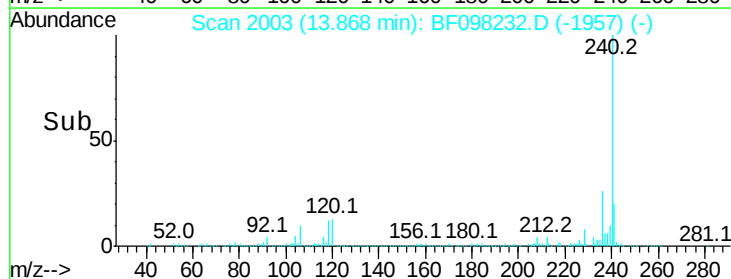
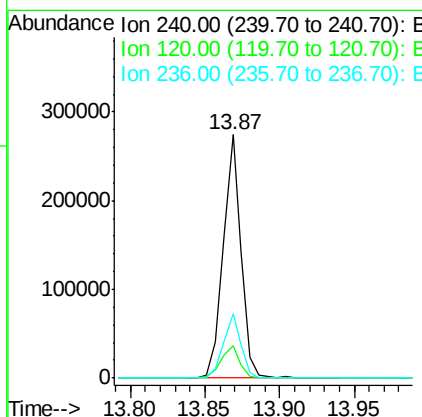
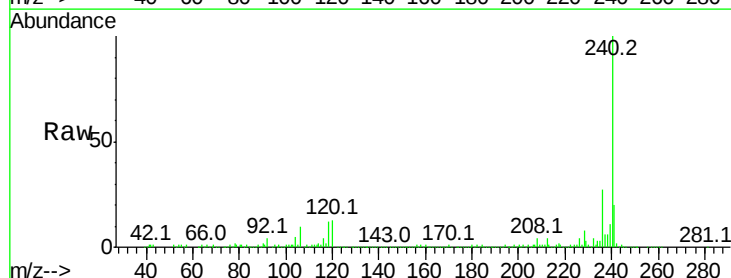
Instrument :
BNA_F
ClientSampleId :
TR-04-083017

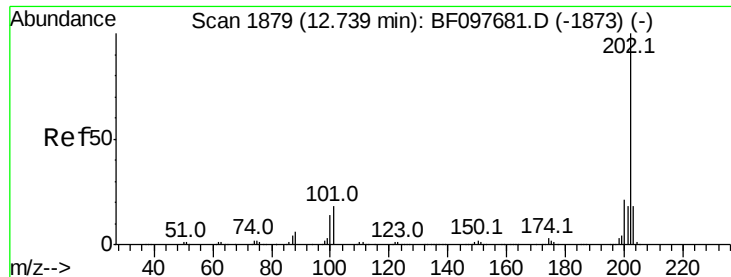
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	33.2
203	17.8	0.0	38.1



#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.03 min
Lab File: BF098232.D
Acq: 1 Sep 2017 17:45

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.4	5.8	8.8#
236	26.6	20.5	30.7





#77

Pvrene

Concen: 10.494 ng

RT: 12.67 min Scan# 1800

Delta R.T. -0.03 min

Lab File: BF098232.D

Acq: 1 Sep 2017 17:45

Instrument :

BNA_F

ClientSampleId :

TR-04-083017

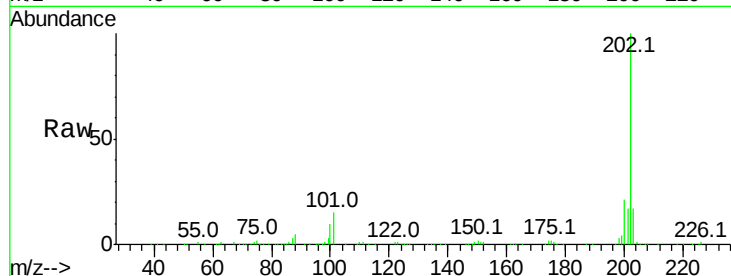
Tot Ion:202 Resp: 200023

Ion Ratio Lower Upper

202 100

200 21.2 17.6 26.4

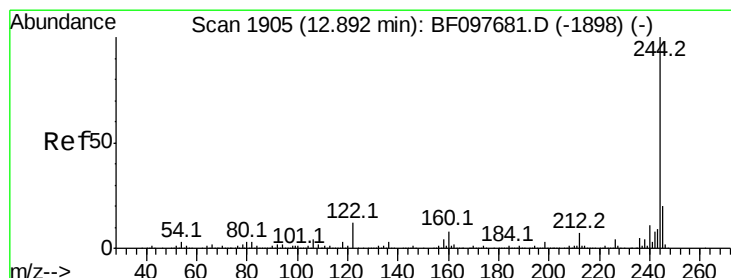
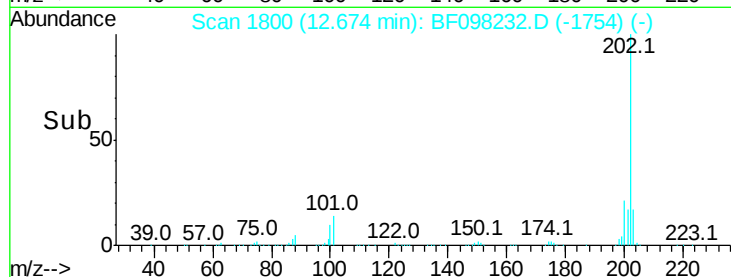
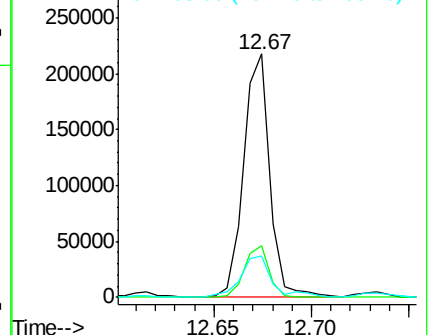
203 17.2 14.4 21.6



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: 12.031 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.04 min

Lab File: BF098232.D

Acq: 1 Sep 2017 17:45

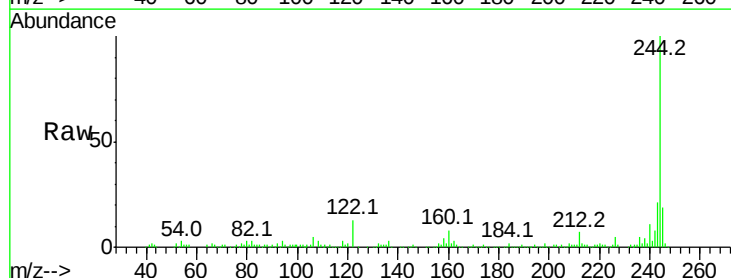
Tgt Ion:244 Resp: 134456

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

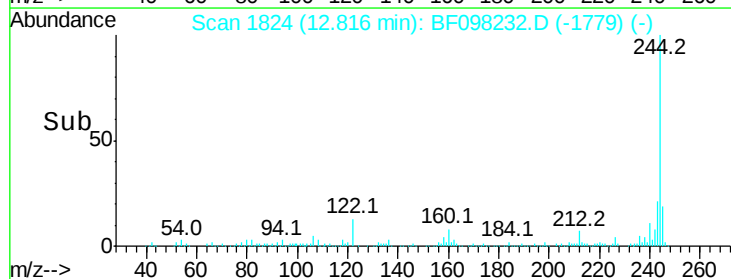
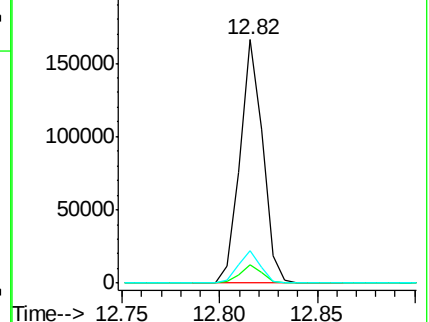
122 13.2 10.3 15.5

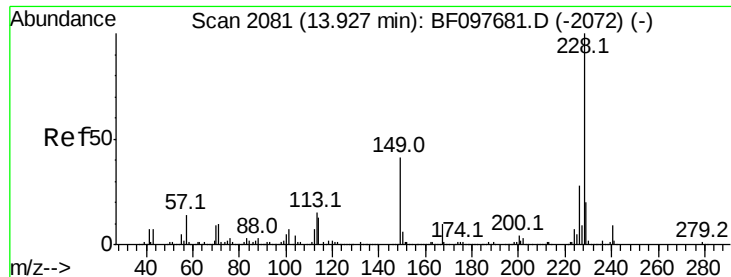


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

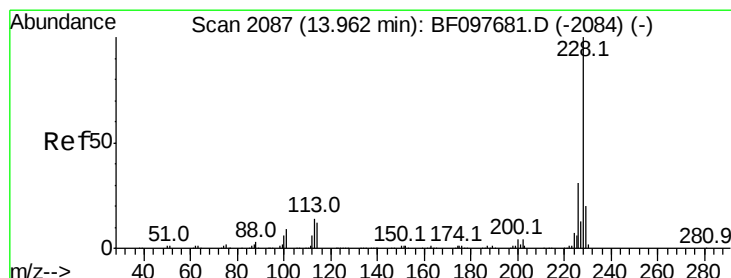
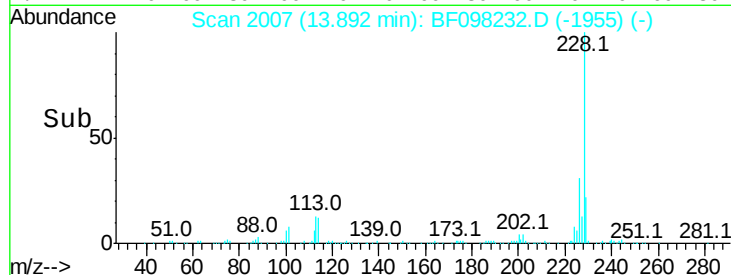
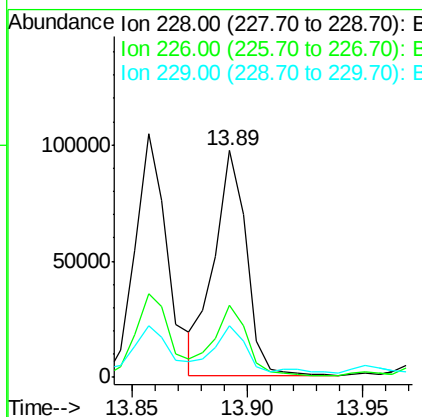
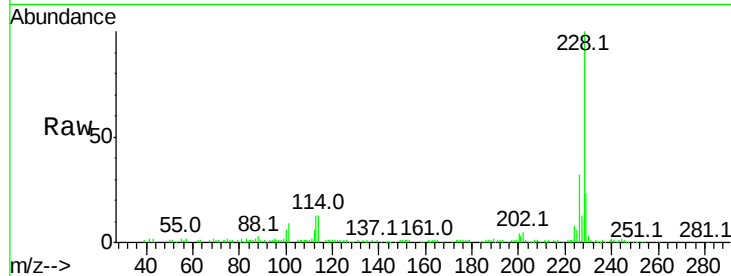




#80
Benzo(a)anthracene
Concen: 6.721 ng
RT: 13.89 min Scan# 2007
Delta R.T. 0.01 min
Lab File: BF098232.D
Acq: 1 Sep 2017 17:45

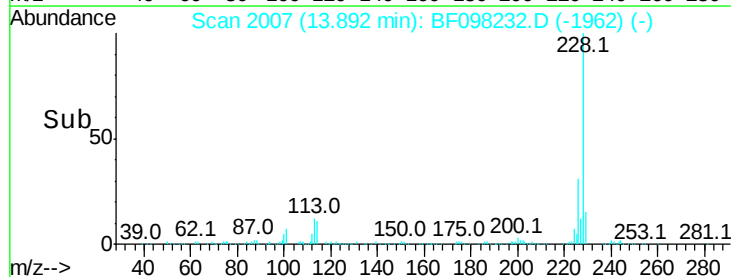
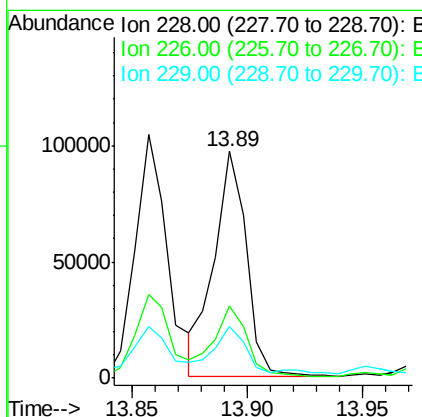
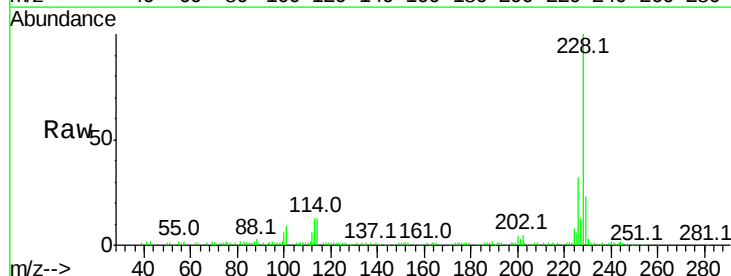
Instrument :
BNA_F
ClientSampleId :
TR-04-083017

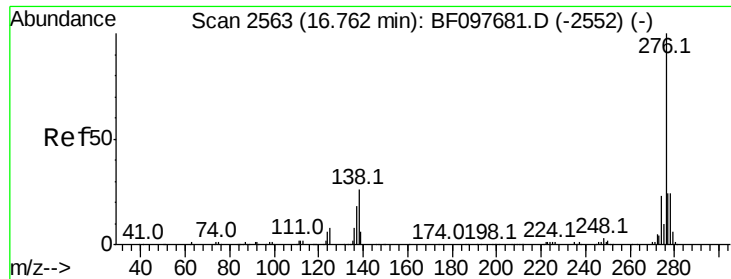
Tot Ion:228 Resp: 93885
Ion Ratio Lower Upper
228 100
226 32.0 22.6 33.8
229 22.8 16.3 24.5



#82
Chrysene
Concen: 6.757 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.04 min
Lab File: BF098232.D
Acq: 1 Sep 2017 17:45

Tgt Ion:228 Resp: 93885
Ion Ratio Lower Upper
228 100
226 32.0 24.9 37.3
229 22.8 15.8 23.6

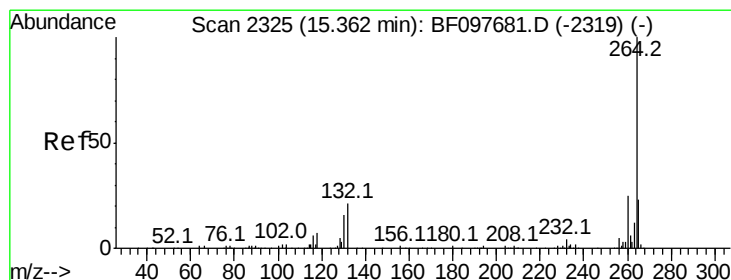
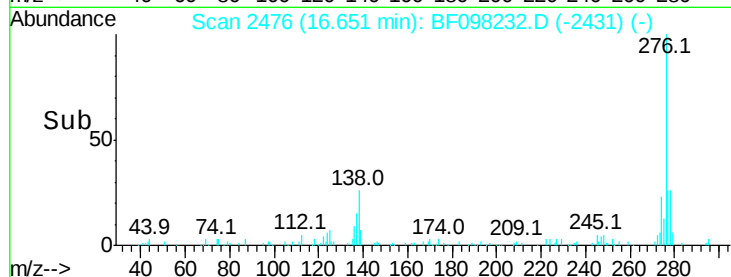
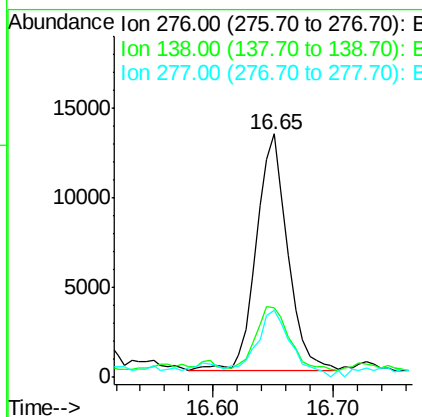
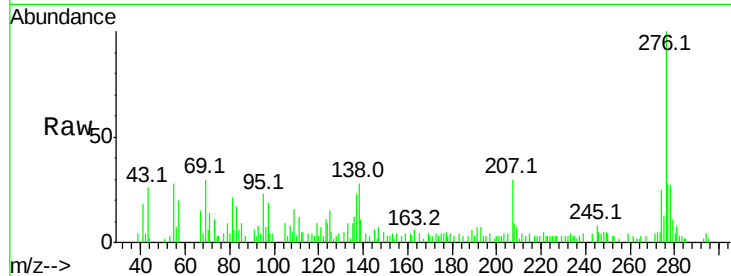




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.342 ng
 RT: 16.65 min Scan# 2476
 Delta R.T. -0.04 min
 Lab File: BF098232.D
 Acq: 1 Sep 2017 17:45

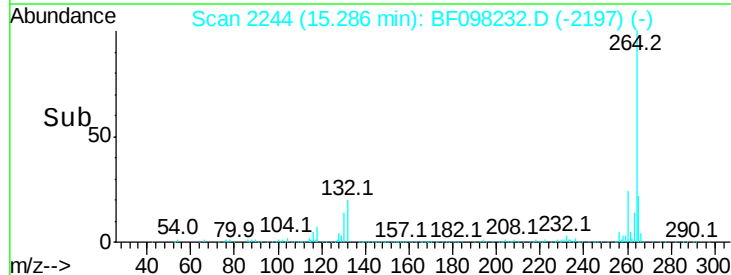
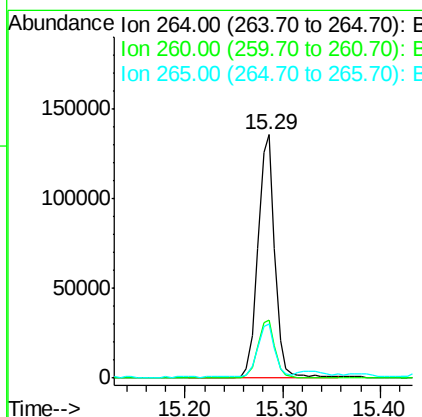
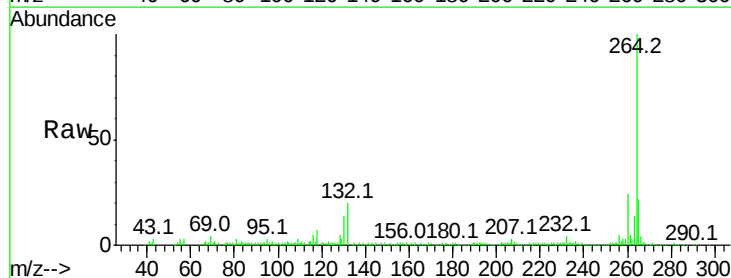
Instrument :
 BNA_F
 ClientSampleId :
 TR-04-083017

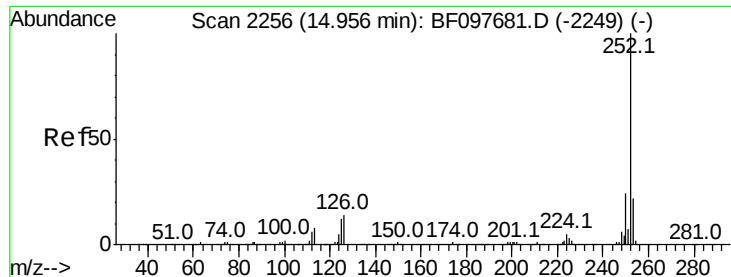
Tot Ion	Ratio	Lower	Upper
276	100		
138	29.2	27.8	41.6
277	32.3	20.2	30.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.29 min Scan# 2244
 Delta R.T. -0.02 min
 Lab File: BF098232.D
 Acq: 1 Sep 2017 17:45

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	22.0	17.2	25.8

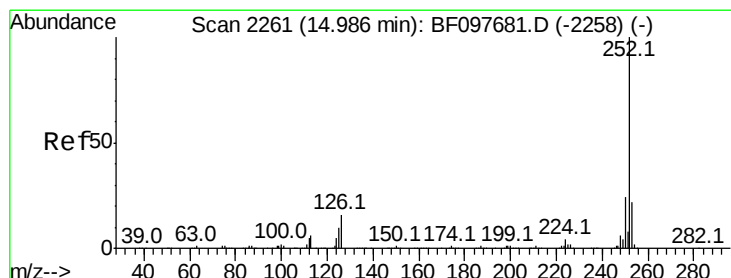
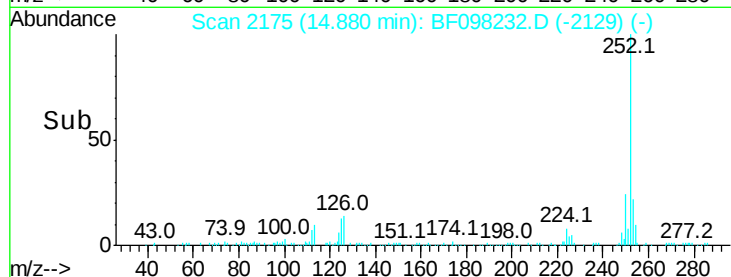
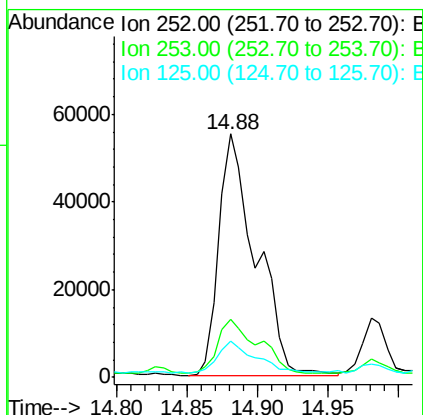
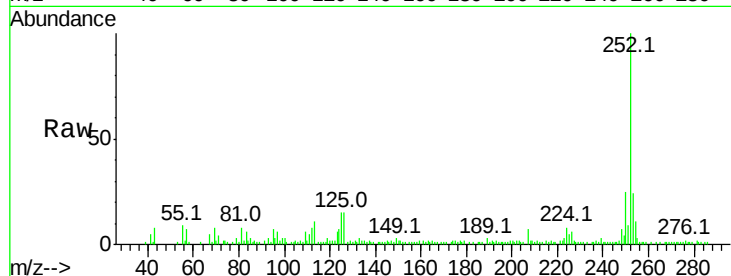




#87
Benzo(b)fluoranthene
Concen: 9.502 ng
RT: 14.88 min Scan# 2175
Delta R.T. -0.03 min
Lab File: BF098232.D
Acq: 1 Sep 2017 17:45

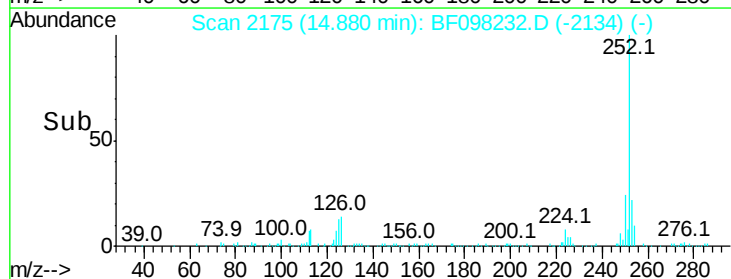
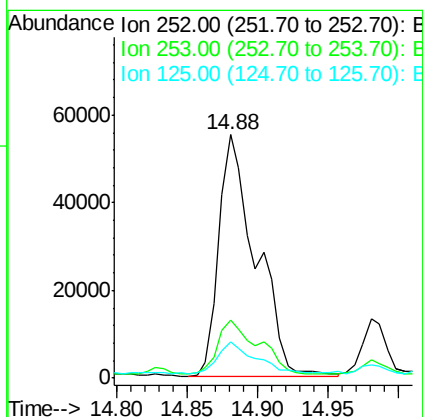
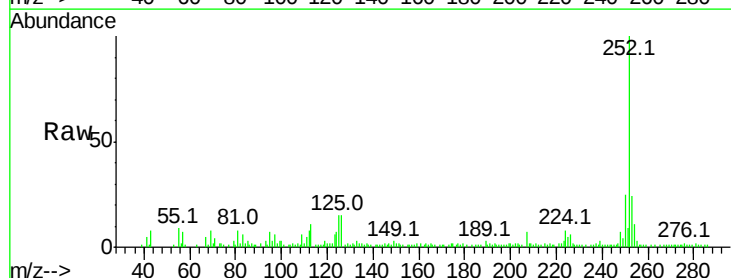
Instrument :
BNA_F
ClientSampleId :
TR-04-083017

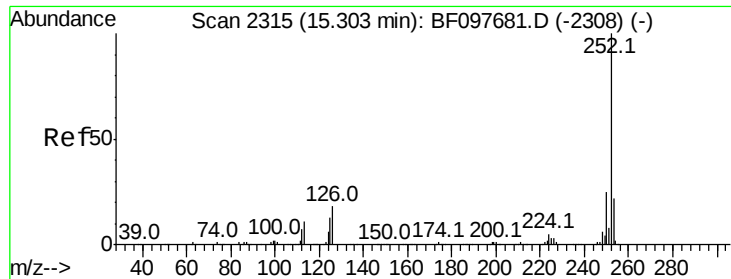
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.1	27.1
125	14.7	9.8	14.8



#88
Benzo(k)fluoranthene
Concen: 10.114 ng
RT: 14.88 min Scan# 2175
Delta R.T. -0.06 min
Lab File: BF098232.D
Acq: 1 Sep 2017 17:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.4	27.6
125	14.7	13.1	19.7

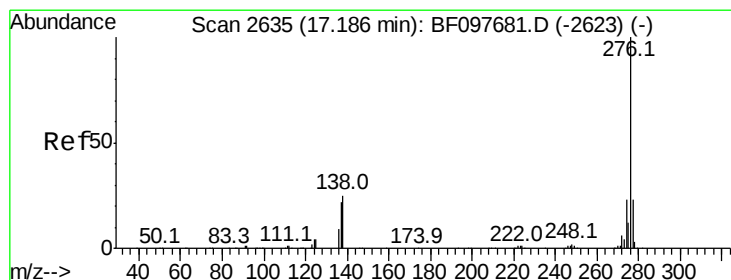
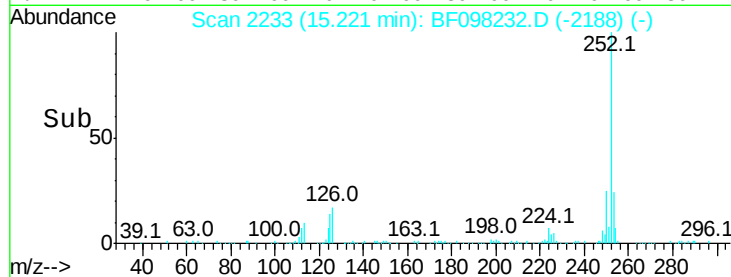
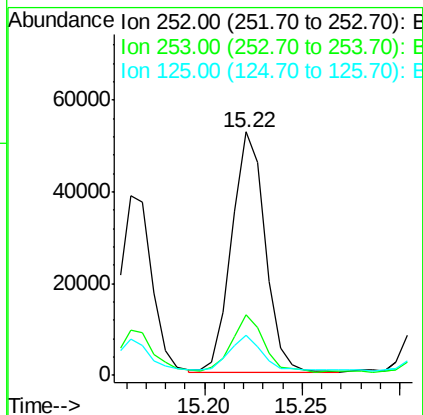
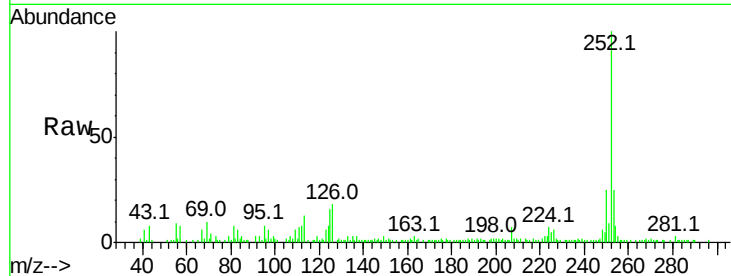




#89
Benzo(a)pyrene
Concen: 6.674 ng
RT: 15.22 min Scan# 2233
Delta R.T. -0.04 min
Lab File: BF098232.D
Acq: 1 Sep 2017 17:45

Instrument :
BNA_F
ClientSampleId :
TR-04-083017

Tot Ion:252 Resp: 62648
Ion Ratio Lower Upper
252 100
253 25.1 17.5 26.3
125 16.4 11.0 16.4



#91
Benzo(g,h,i)perylene
Concen: 4.141 ng
RT: 17.06 min Scan# 2546
Delta R.T. -0.05 min
Lab File: BF098232.D
Acq: 1 Sep 2017 17:45

Tgt Ion:276 Resp: 33019
Ion Ratio Lower Upper
276 100
277 25.9 18.6 28.0
138 28.6 25.4 38.0

