

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082117\
 Data File : BF097950.D
 Acq On : 22 Aug 2017 12:41
 Operator : SJ/JU
 Sample : I4872-20DL 5X
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-31-COMPDL

Quant Time: Aug 22 13:24:13 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	6.75	152	103557	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	370256	20.00	ng	0.00
38) Acenaphthene-d10	9.78	164	136979	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	248969	20.00	ng	0.00
75) Chrysene-d12	13.90	240	210812	20.00	ng	0.00
86) Perylene-d12	15.32	264	144646	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	139666	20.51	ng	0.00
7) Phenol-d6	6.37	99	181779	19.65	ng	-0.02
23) Nitrobenzene-d5	7.30	82	98748	14.49	ng	-0.02
41) 2,4,6-Tribromophenol	10.57	330	18882	15.89	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	145484	15.60	ng	0.00
78) Terphenyl-d14	12.84	244	110668	10.95	ng	0.00

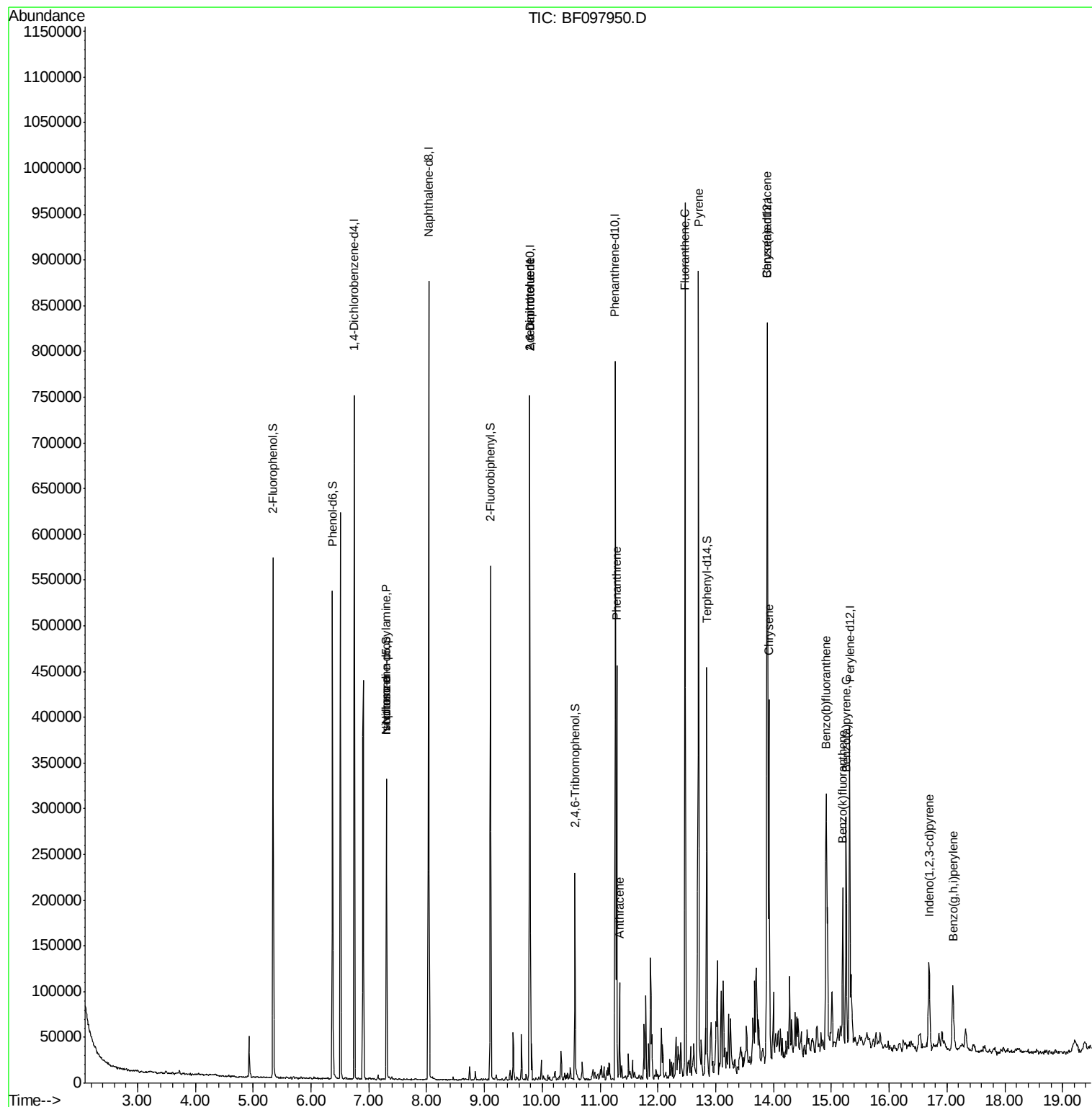
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.30	70	13290	2.099	ng	# 73
25) Isophorone	7.30	82	95234	6.720	ng	# 67
50) 2,6-Dinitrotoluene	9.78	165	17773	8.893	ng	# 35
56) 2,4-Dinitrotoluene	9.78	165	17773	7.086	ng	# 34
70) Phenanthrene	11.29	178	142709	10.757	ng	100
71) Anthracene	11.34	178	33224	2.469	ng	99
74) Fluoranthene	12.47	202	353032	25.494	ng	98
77) Pyrene	12.70	202	352851	20.465	ng	98
80) Benzo(a)anthracene	13.89	228	155759	12.328	ng	94
82) Chrysene	13.92	228	128376	10.214	ng	97
85) Indeno(1,2,3-cd)pyrene	16.69	276	58554	6.333	ng	# 92
87) Benzo(b)fluoranthene	14.91	252	193908	21.268	ng	99
88) Benzo(k)fluoranthene	15.20	252	70775	8.262	ng	98
89) Benzo(a)pyrene	15.26	252	108484	13.440	ng	97
91) Benzo(g,h,i)perylene	17.10	276	59136	8.625	ng	# 90

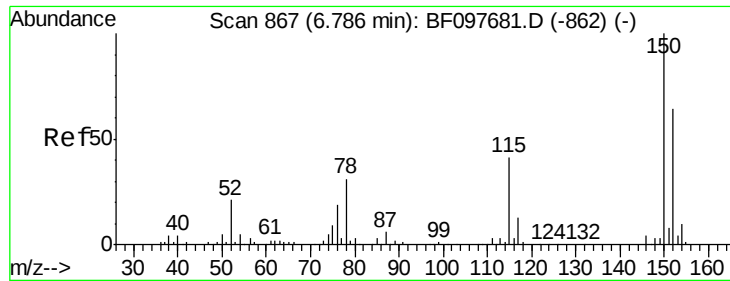
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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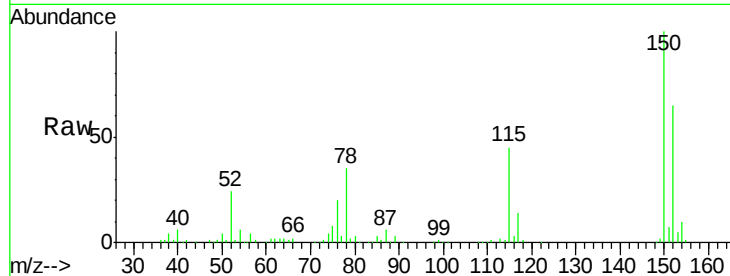


#1

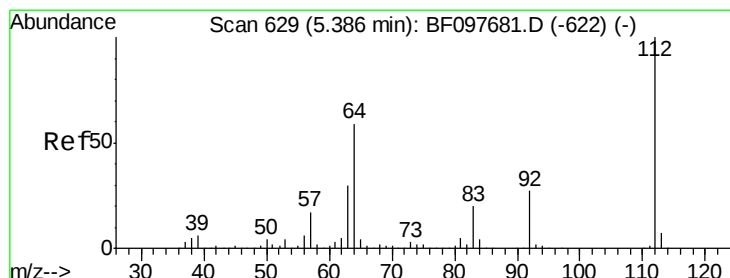
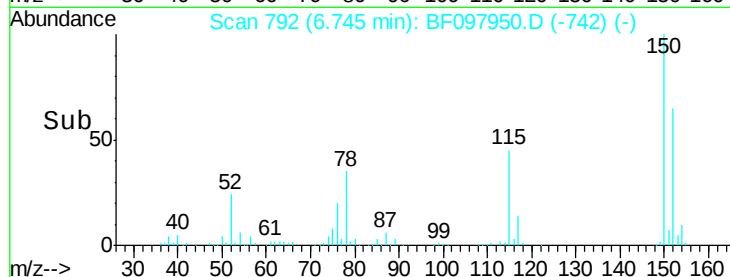
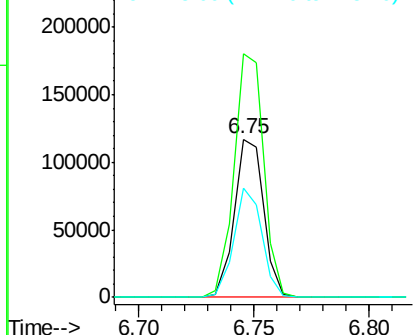
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF097950.D
Acq: 22 Aug 2017 12:41

Instrument :
BNA_F
ClientSampleId :
SB-31-COMPDL

Tgt Ion:152 Resp: 103557
Ion Ratio Lower Upper
152 100
150 154.1 126.2 189.2
115 68.8 52.2 78.2



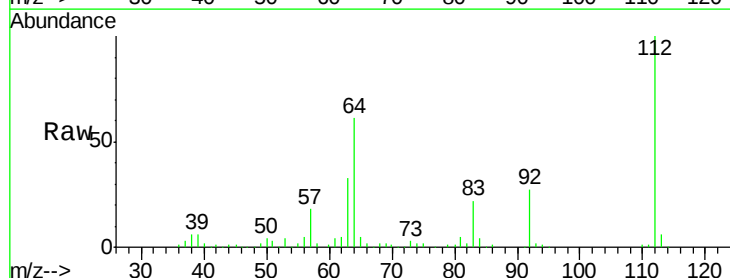
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



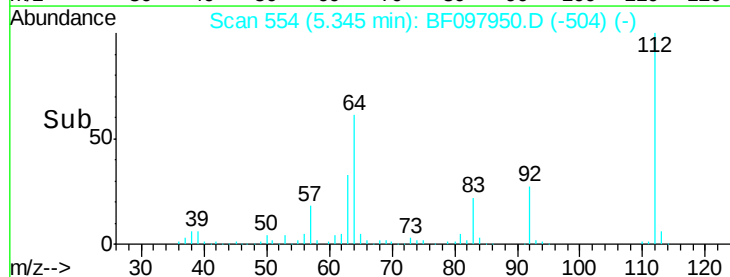
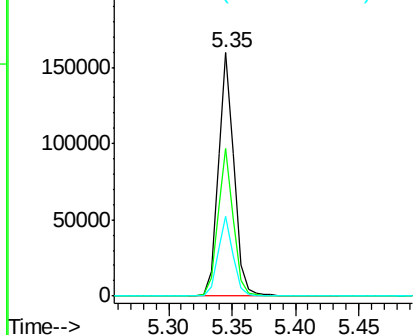
#5

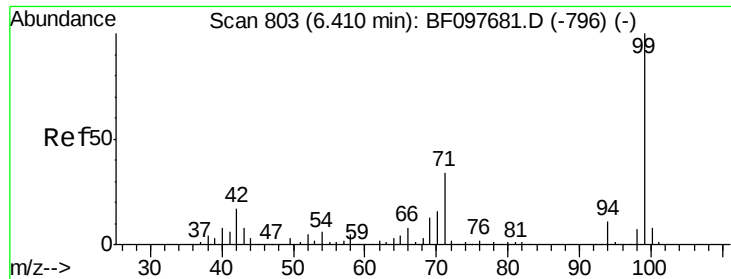
2-Fluorophenol
Concen: 20.515 ng
RT: 5.35 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF097950.D
Acq: 22 Aug 2017 12:41

Tgt Ion:112 Resp: 139666
Ion Ratio Lower Upper
112 100
64 60.8 46.0 69.0
63 33.0 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: 19.651 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.02 min

Lab File: BF097950.D

Acq: 22 Aug 2017 12:41

Instrument :

BNA_F

ClientSampleId :

SB-31-COMPDL

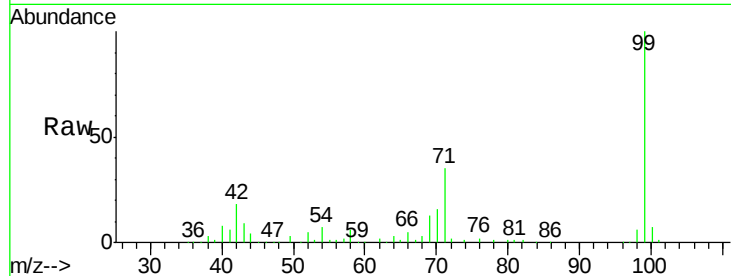
Tgt Ion: 99 Resp: 181779

Ion Ratio Lower Upper

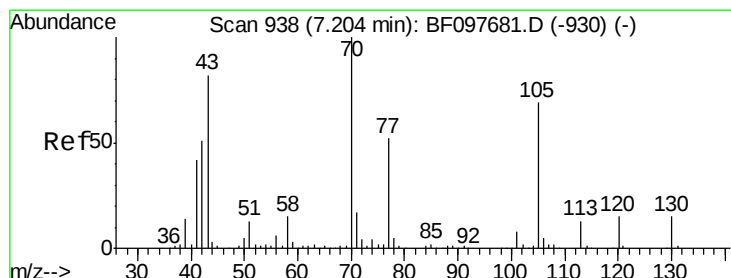
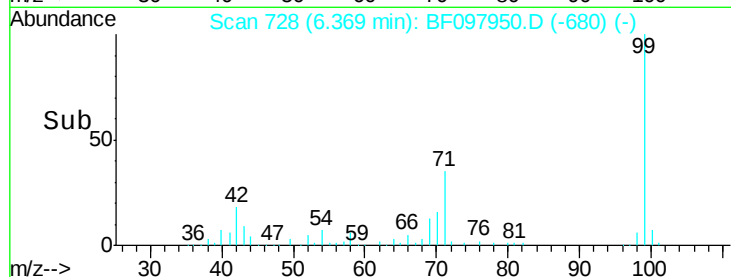
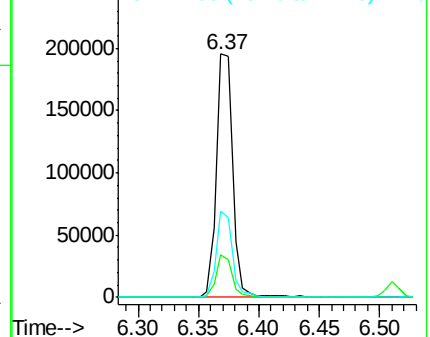
99 100

42 17.8 13.5 20.3

71 35.2 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: 2.099 ng

RT: 7.30 min Scan# 887

Delta R.T. 0.13 min

Lab File: BF097950.D

Acq: 22 Aug 2017 12:41

Tgt Ion: 70 Resp: 13290

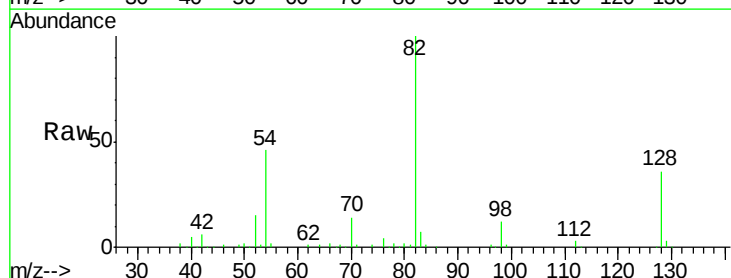
Ion Ratio Lower Upper

70 100

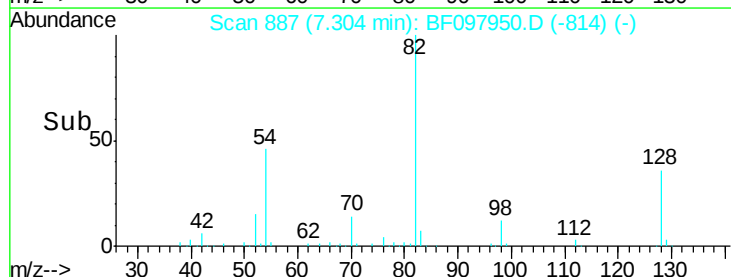
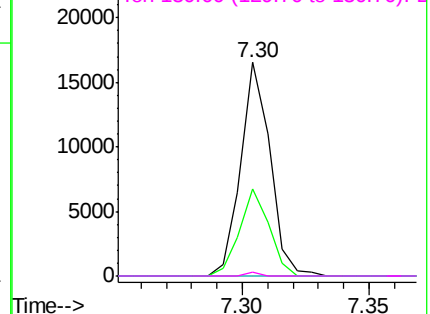
42 41.0 47.2 70.8#

101 0.0 7.2 10.8#

130 2.0 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): E
Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.03 min Scan# 1011

Delta R.T. -0.00 min

Lab File: BF097950.D

Acq: 22 Aug 2017 12:41

Instrument :

BNA_F

ClientSampleId :

SB-31-COMPDL

Tgt Ion: 136 Resp: 370256

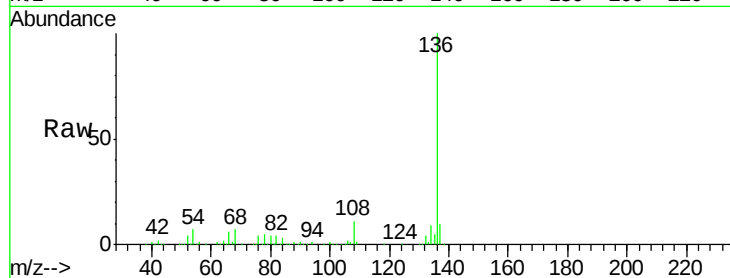
Ion Ratio Lower Upper

136 100

137 10.4 8.5 12.7

54 6.8 4.9 7.3

68 6.6 4.1 6.1#

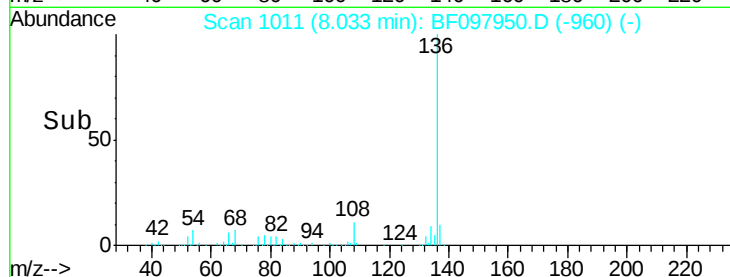


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

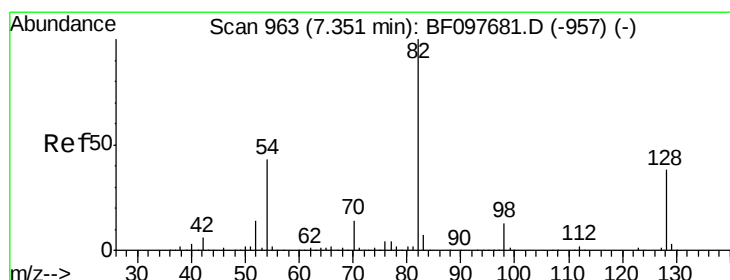
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->

8.03



#23

Nitrobenzene-d5

Concen: 14.488 ng

RT: 7.30 min Scan# 887

Delta R.T. -0.02 min

Lab File: BF097950.D

Acq: 22 Aug 2017 12:41

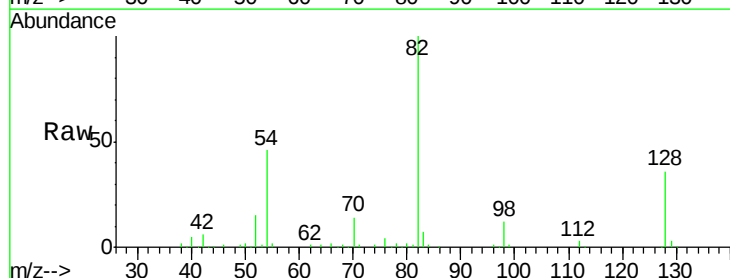
Tgt Ion: 82 Resp: 98748

Ion Ratio Lower Upper

82 100

128 35.6 34.0 51.0

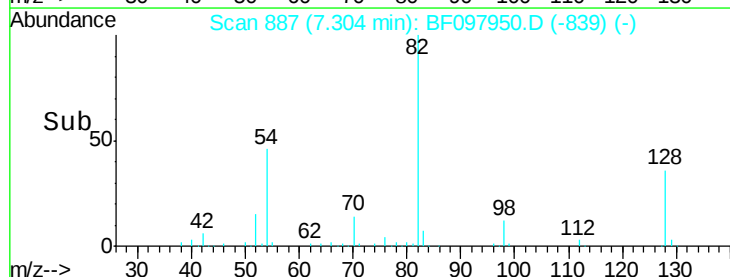
54 45.8 42.2 63.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

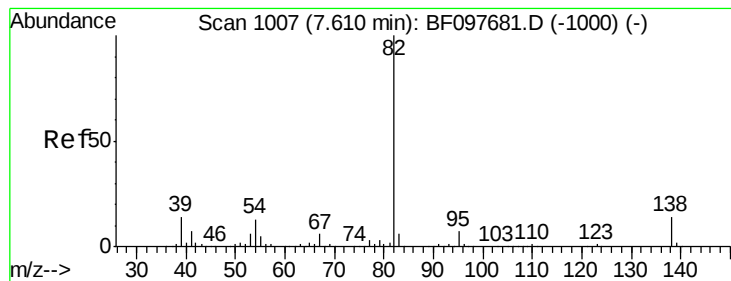
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->

7.30



#25

Isophorone

Concen: 6.720 ng

RT: 7.30 min Scan# 887

Delta R.T. -0.28 min

Lab File: BF097950.D

Acq: 22 Aug 2017 12:41

Instrument :

BNA_F

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SB-31-COMPDL

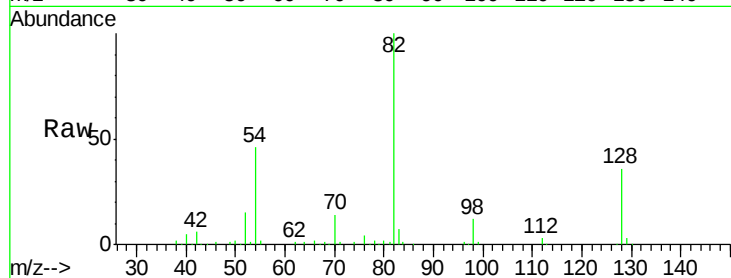
Tgt Ion: 82 Resp: 95234

Ion Ratio Lower Upper

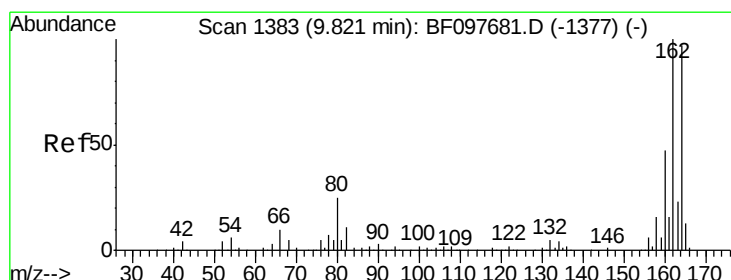
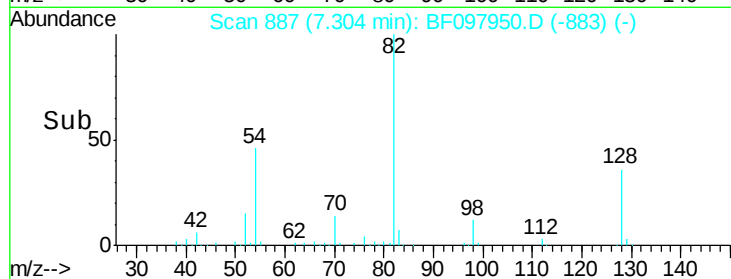
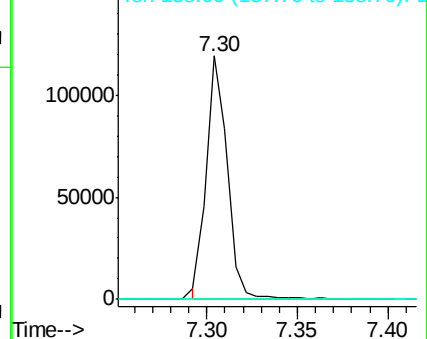
82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.78 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BF097950.D

Acq: 22 Aug 2017 12:41

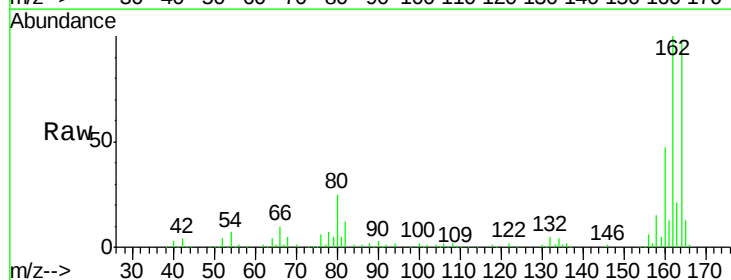
Tgt Ion: 164 Resp: 136979

Ion Ratio Lower Upper

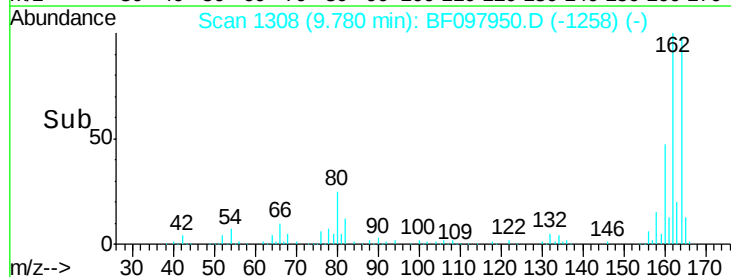
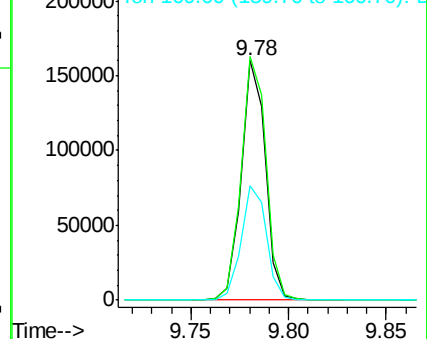
164 100

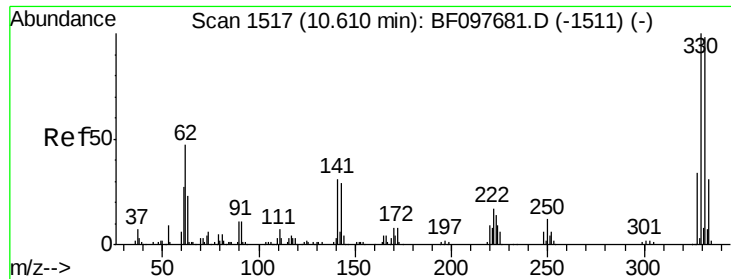
162 101.7 82.6 123.8

160 47.7 36.2 54.2



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

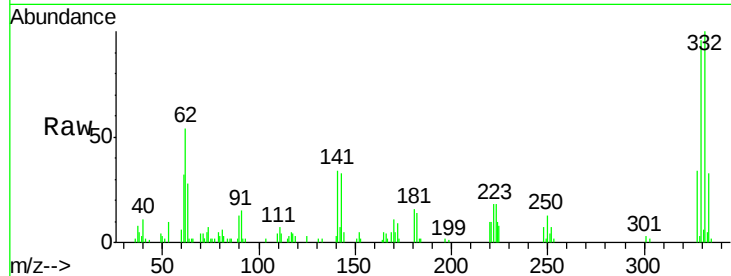




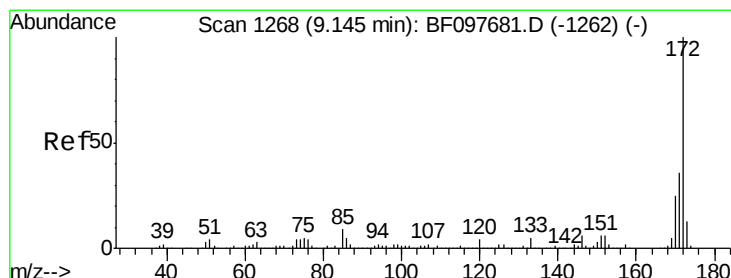
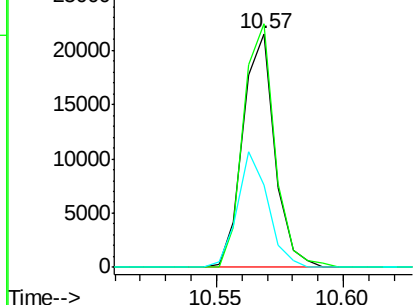
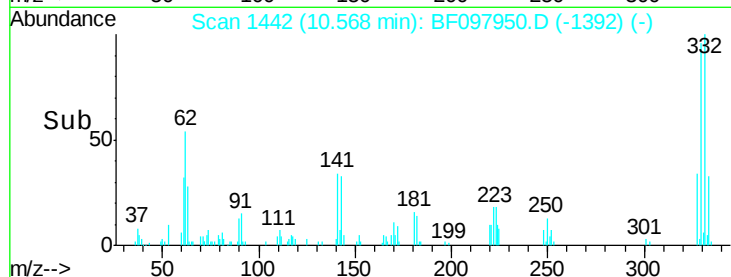
#41
 2,4,6-Tribromophenol
 Concen: 15.887 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: BF097950.D
 Acq: 22 Aug 2017 12:41

Instrument :
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 ClientSampleId :
 SB-31-COMPDL

Tgt Ion: 330 Resp: 18882
 Ion Ratio Lower Upper
 330 100
 332 102.9 76.6 115.0
 141 47.1 31.4 47.2

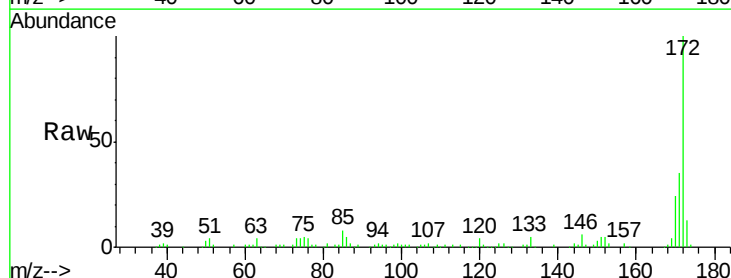


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

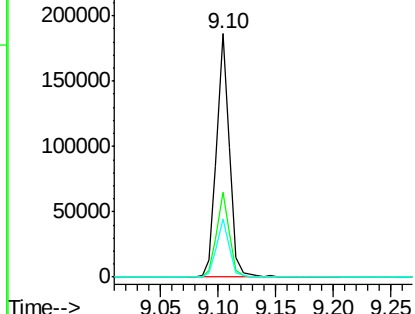
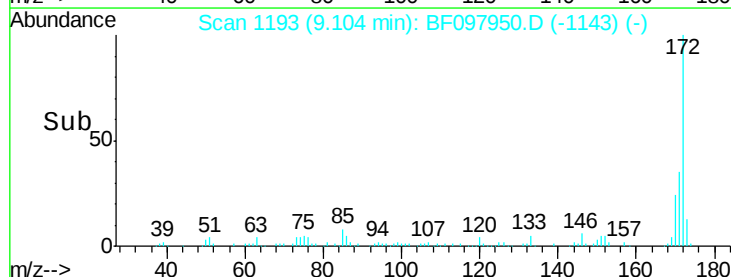


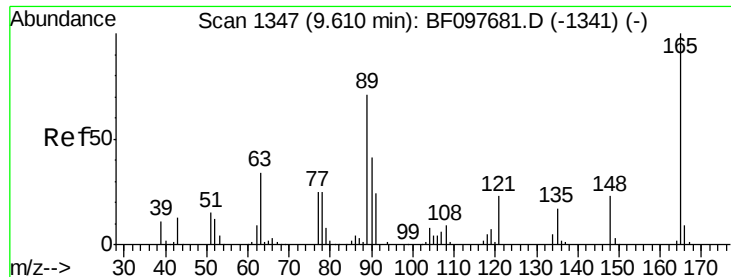
#44
 2-Fluorobiphenyl
 Concen: 15.604 ng
 RT: 9.10 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF097950.D
 Acq: 22 Aug 2017 12:41

Tgt Ion: 172 Resp: 145484
 Ion Ratio Lower Upper
 172 100
 171 34.7 29.6 44.4
 170 24.1 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

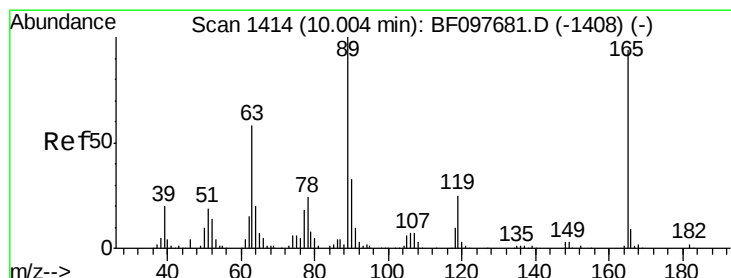
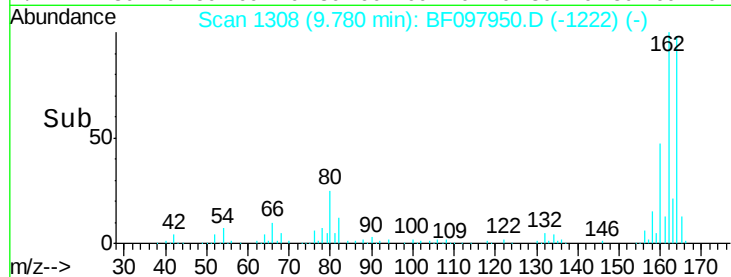
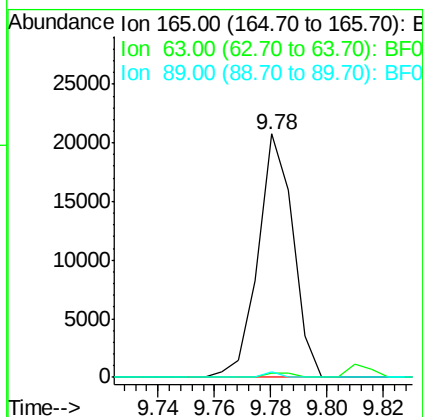
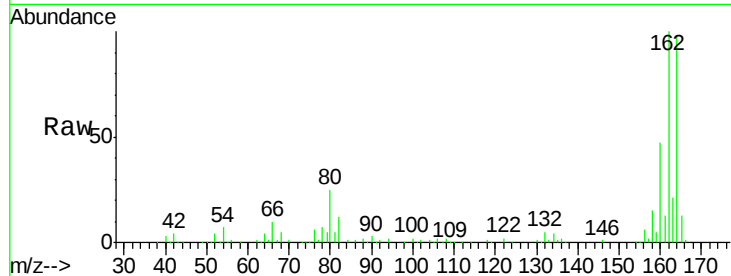




#50
 2,6-Dinitrotoluene
 Concen: 8.893 ng
 RT: 9.78 min Scan# 1308
 Delta R.T. 0.21 min
 Lab File: BF097950.D
 Acq: 22 Aug 2017 12:41

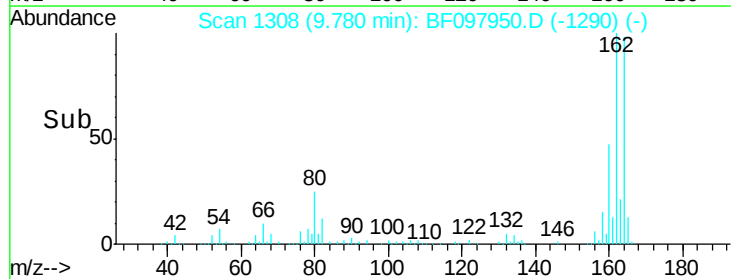
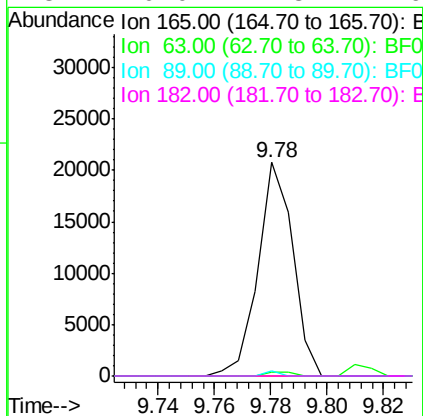
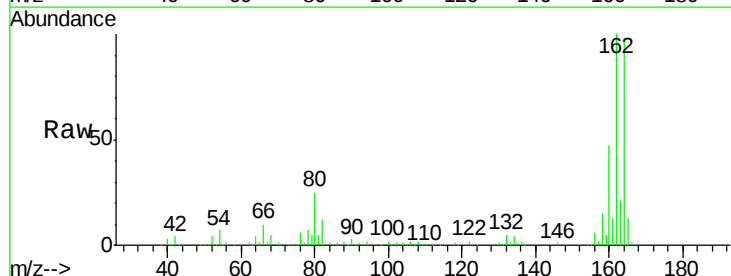
Instrument :
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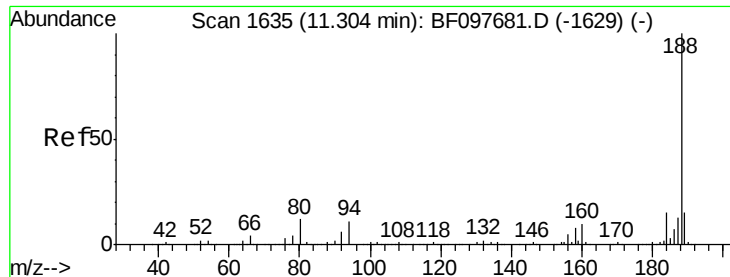
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	34.3	51.5#
89	2.2	37.1	55.7#



#56
 2,4-Dinitrotoluene
 Concen: 7.086 ng
 RT: 9.78 min Scan# 1308
 Delta R.T. -0.19 min
 Lab File: BF097950.D
 Acq: 22 Aug 2017 12:41

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	25.4	38.0#
89	2.2	46.4	69.6#
182	0.0	1.8	2.6#

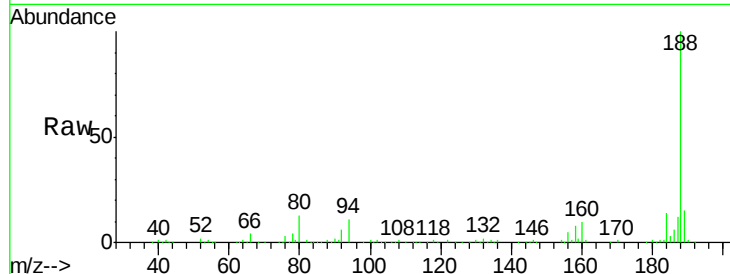




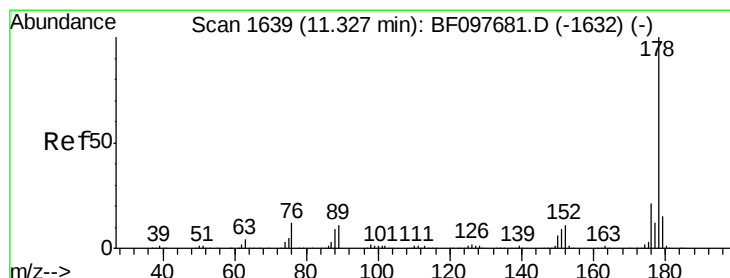
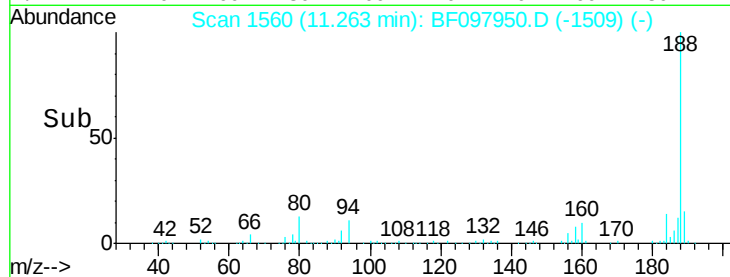
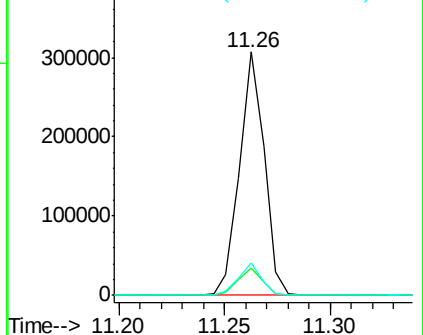
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BF097950.D
Acq: 22 Aug 2017 12:41

Instrument :
BNA_F
ClientSampleId :
SB-31-COMPDL

Tgt Ion:188 Resp: 248969
Ion Ratio Lower Upper
188 100
94 11.3 9.4 14.2
80 13.1 10.2 15.2

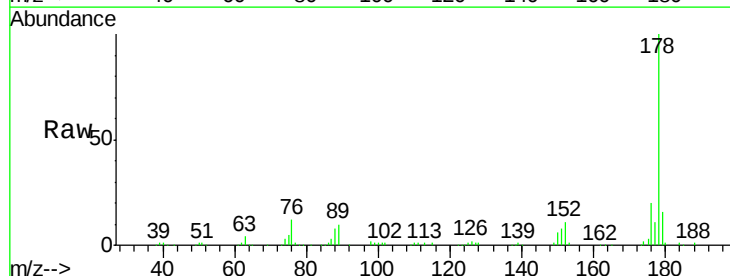


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

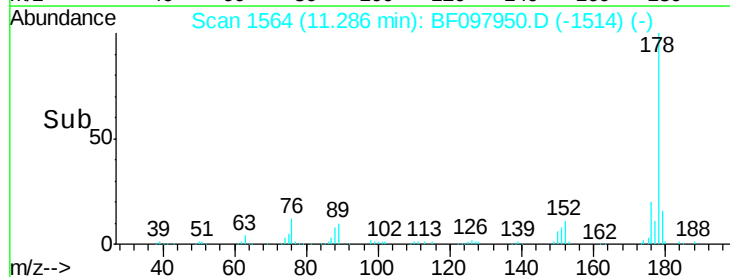
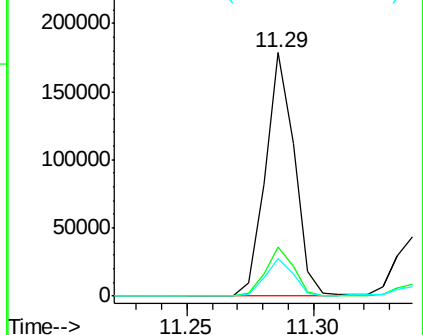


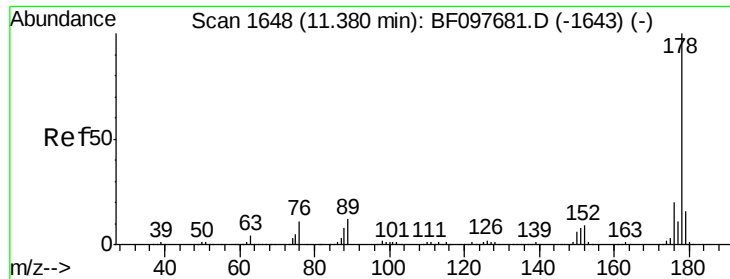
#70
Phenanthrene
Concen: 10.757 ng
RT: 11.29 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF097950.D
Acq: 22 Aug 2017 12:41

Tgt Ion:178 Resp: 142709
Ion Ratio Lower Upper
178 100
176 20.0 16.2 24.4
179 15.6 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

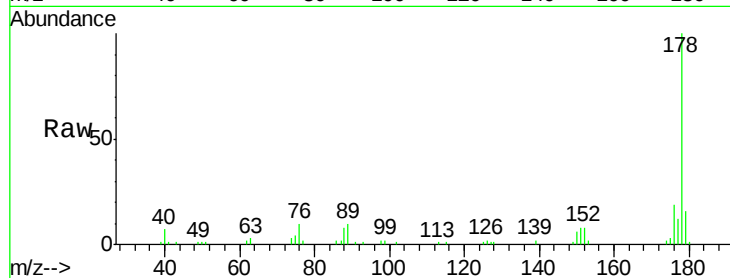




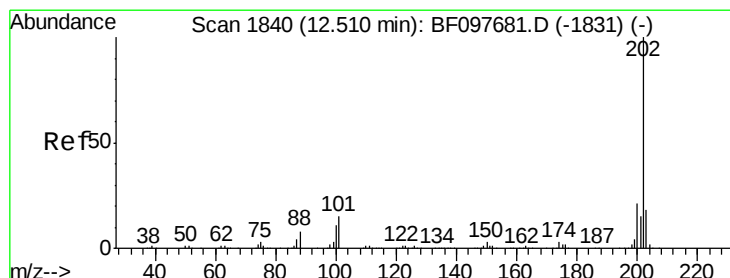
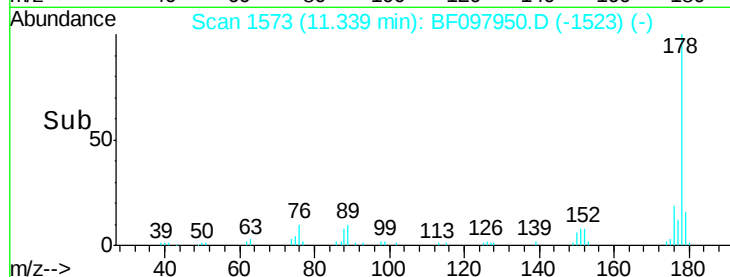
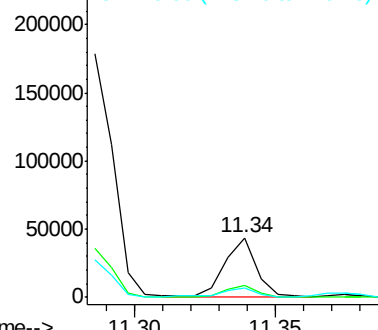
#71
 Anthracene
 Concen: 2.469 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.01 min
 Lab File: BF097950.D
 Acq: 22 Aug 2017 12:41

Instrument :
 BNA_F
 ClientSampleId :
 SB-31-COMPDL

Tgt Ion:178 Resp: 33224
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.8 23.8
 179 16.2 12.7 19.1

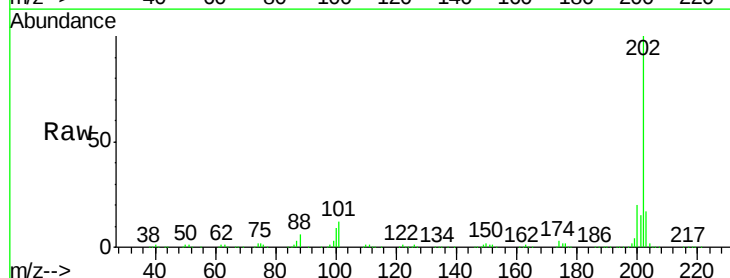


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

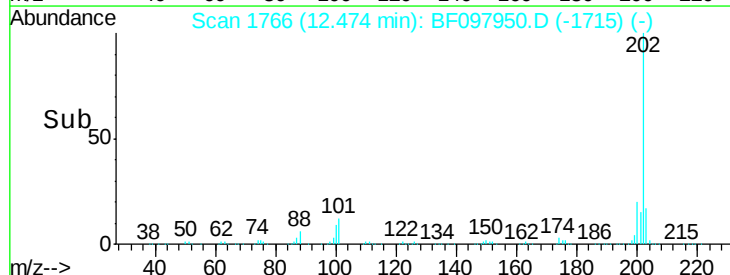
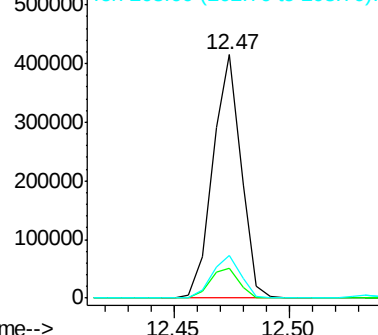


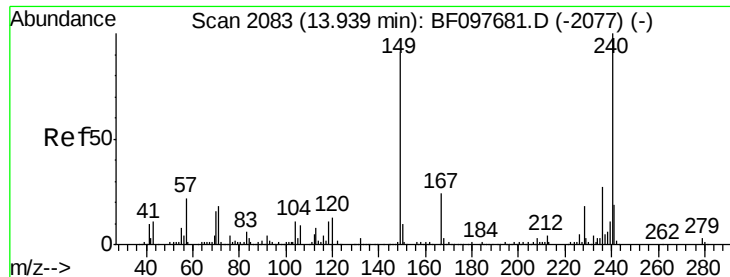
#74
 Fluoranthene
 Concen: 25.494 ng
 RT: 12.47 min Scan# 1766
 Delta R.T. -0.00 min
 Lab File: BF097950.D
 Acq: 22 Aug 2017 12:41

Tgt Ion:202 Resp: 353032
 Ion Ratio Lower Upper
 202 100
 101 12.4 0.0 33.2
 203 17.4 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: 20.000 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.00 min

Lab File: BF097950.D

Acq: 22 Aug 2017 12:41

Instrument :

BNA_F

ClientSampleId :

SB-31-COMPDL

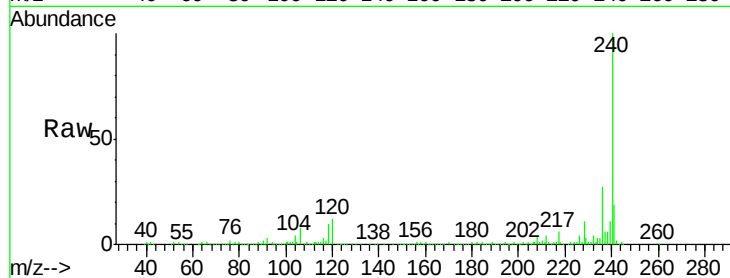
Tgt Ion:240 Resp: 210812

Ion Ratio Lower Upper

240 100

120 11.6 5.8 8.8#

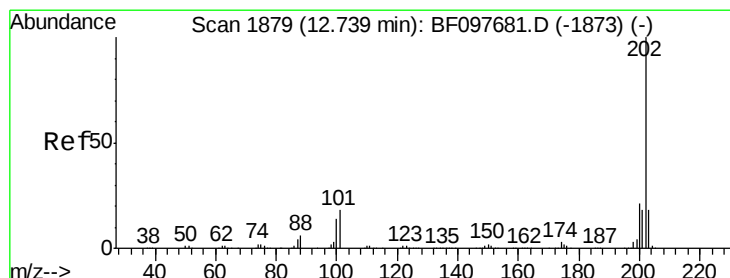
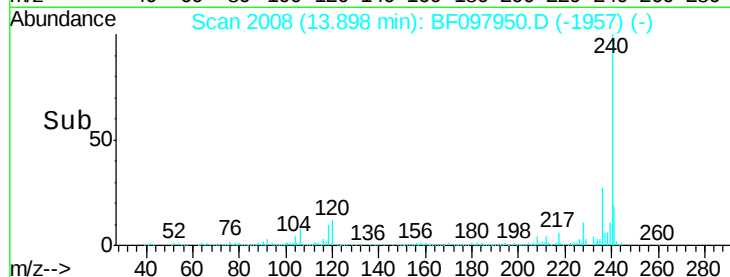
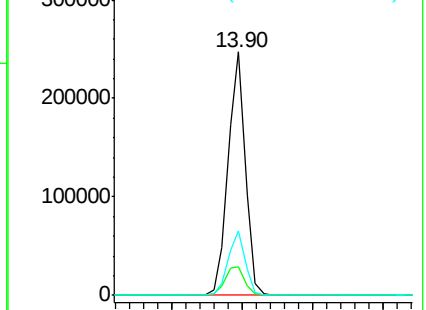
236 26.6 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 20.465 ng

RT: 12.70 min Scan# 1805

Delta R.T. -0.00 min

Lab File: BF097950.D

Acq: 22 Aug 2017 12:41

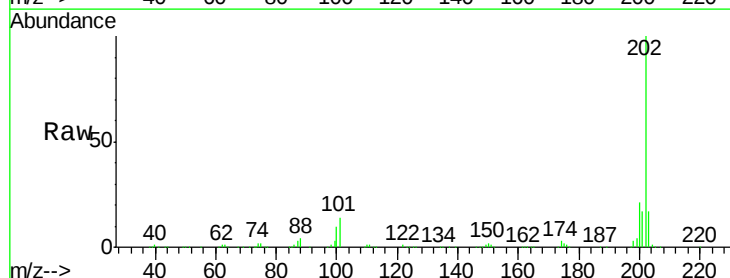
Tgt Ion:202 Resp: 352851

Ion Ratio Lower Upper

202 100

200 21.1 17.6 26.4

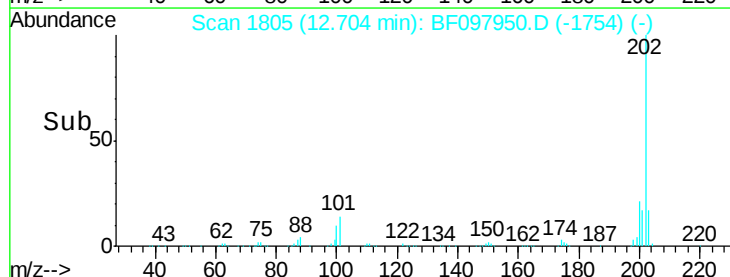
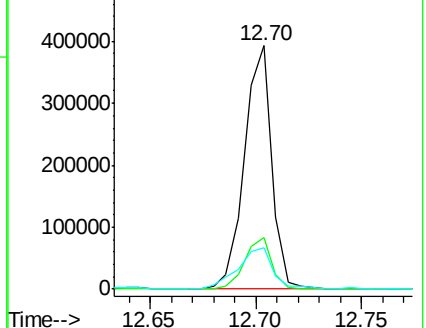
203 17.2 14.4 21.6

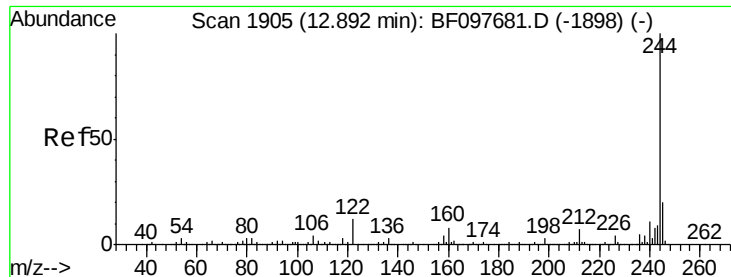


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 10.947 ng

RT: 12.84 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF097950.D

Acq: 22 Aug 2017 12:41

Instrument :

BNA_F

ClientSampleId :

SB-31-COMPDL

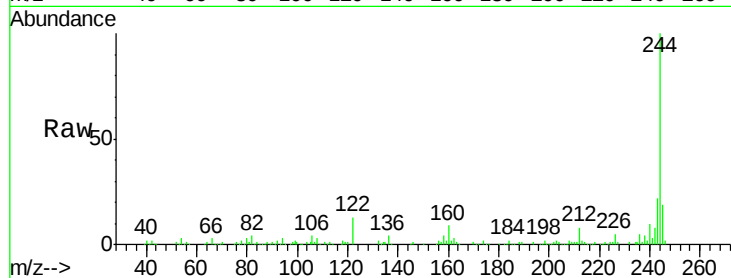
Tgt Ion:244 Resp: 110668

Ion Ratio Lower Upper

244 100

212 7.5 6.0 9.0

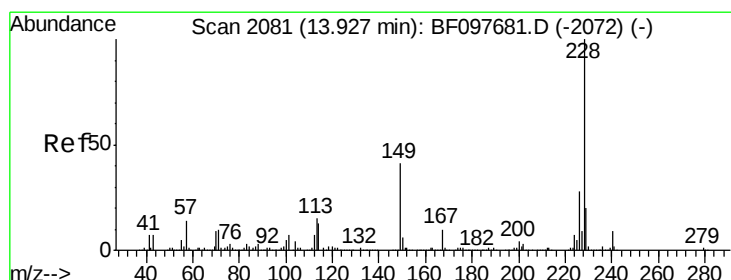
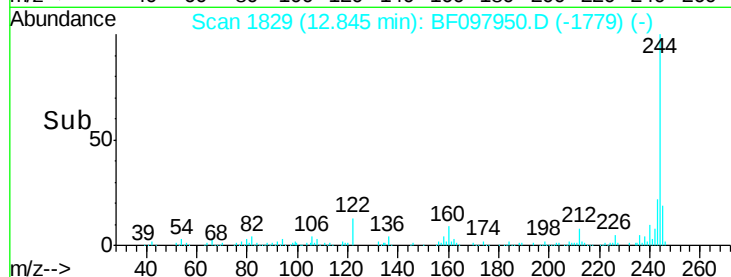
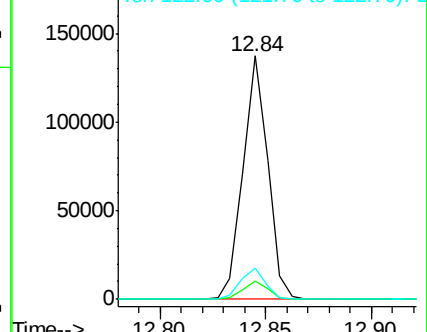
122 12.8 10.3 15.5



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: 12.328 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.00 min

Lab File: BF097950.D

Acq: 22 Aug 2017 12:41

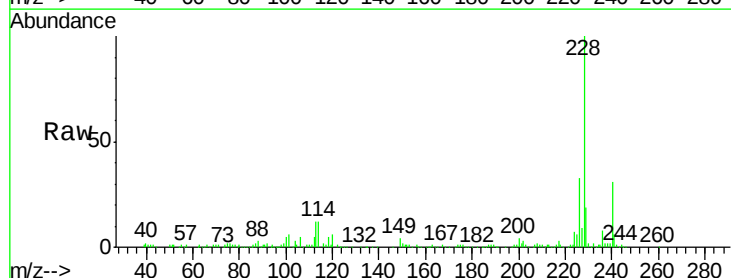
Tgt Ion:228 Resp: 155759

Ion Ratio Lower Upper

228 100

226 32.6 22.6 33.8

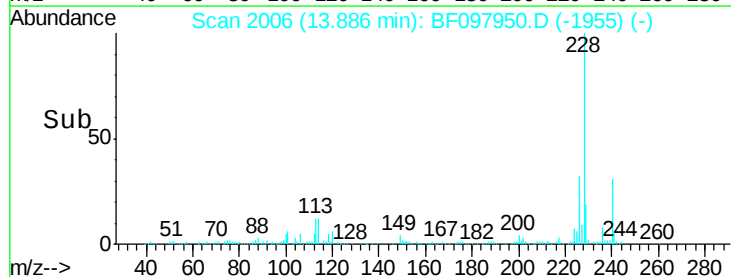
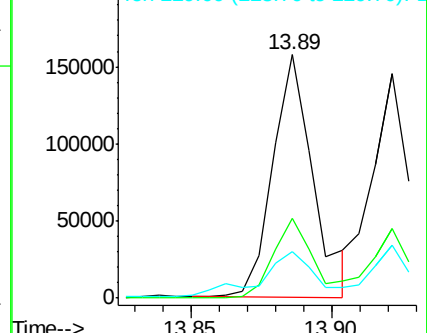
229 19.4 16.3 24.5

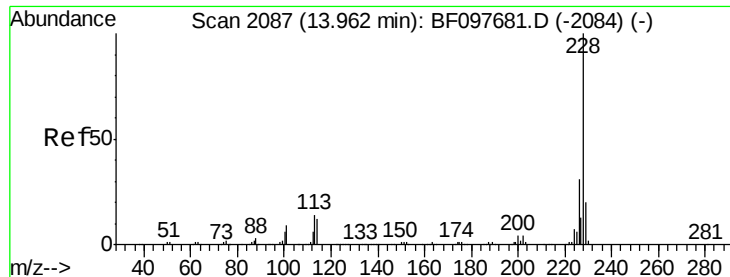


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 10.214 ng

RT: 13.92 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BF097950.D

Acq: 22 Aug 2017 12:41

Instrument :

BNA_F

ClientSampleId :

SB-31-COMPDL

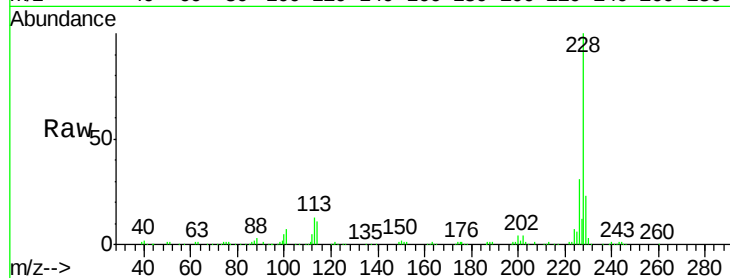
Tgt Ion:228 Resp: 128376

Ion Ratio Lower Upper

228 100

226 31.2 24.9 37.3

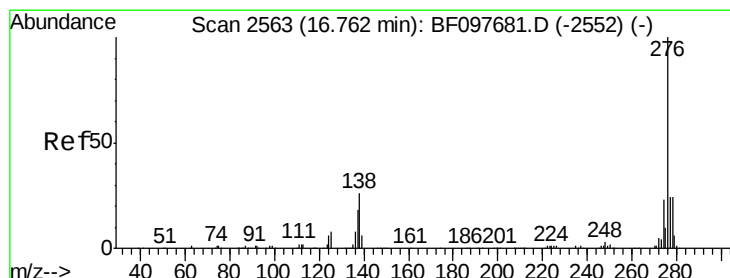
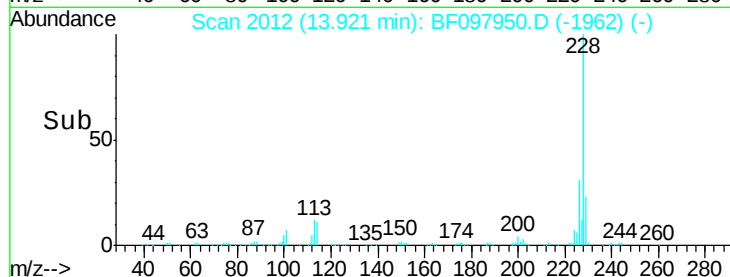
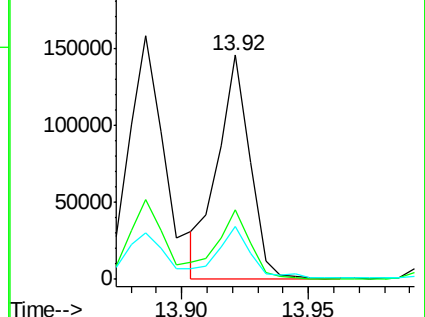
229 23.4 15.8 23.6



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 6.333 ng

RT: 16.69 min Scan# 2483

Delta R.T. 0.01 min

Lab File: BF097950.D

Acq: 22 Aug 2017 12:41

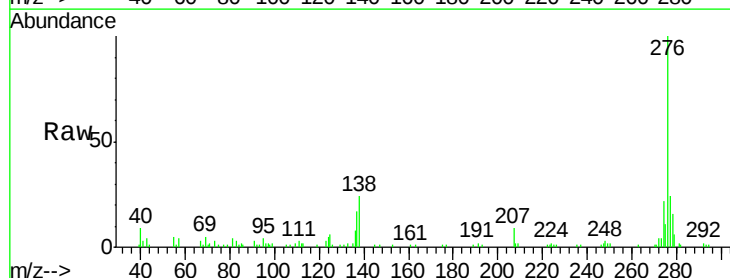
Tgt Ion:276 Resp: 58554

Ion Ratio Lower Upper

276 100

138 26.9 27.8 41.6#

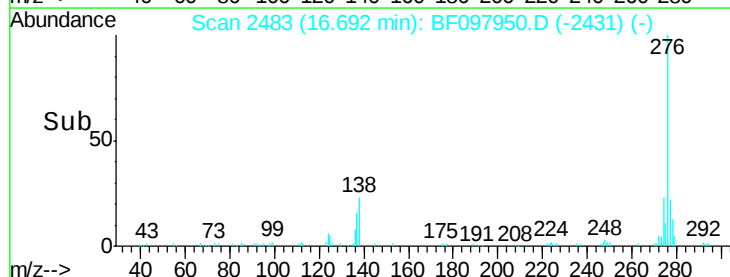
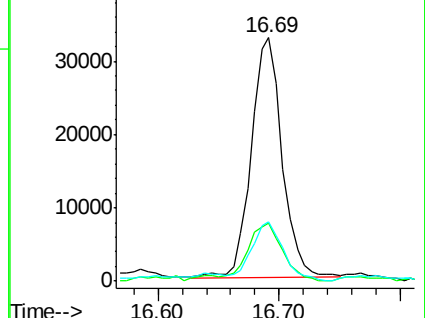
277 25.4 20.2 30.4

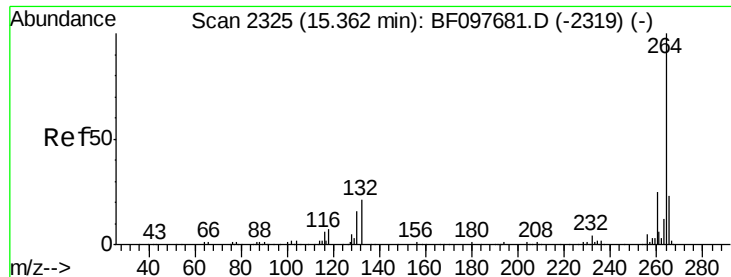


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

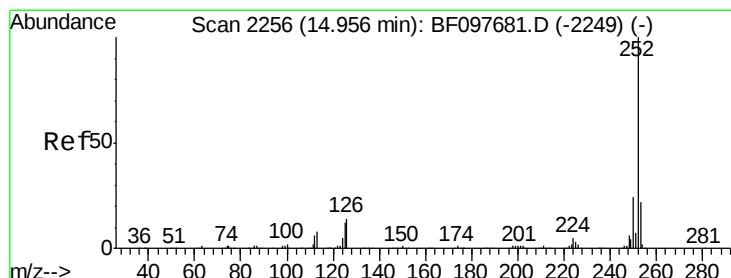
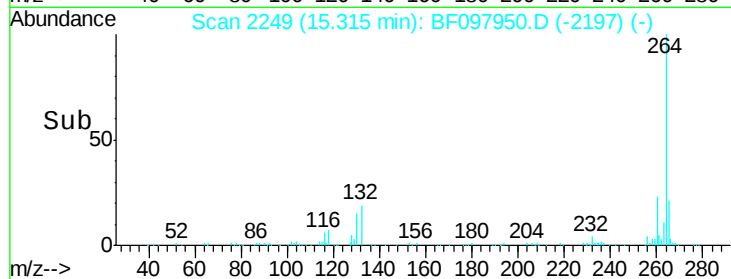
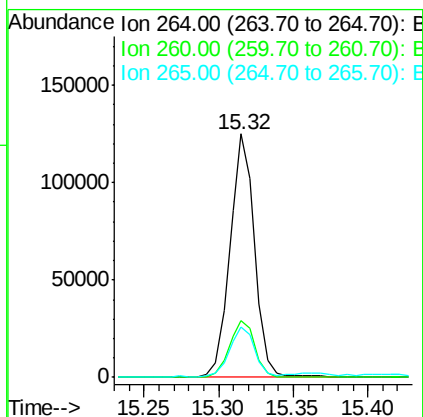
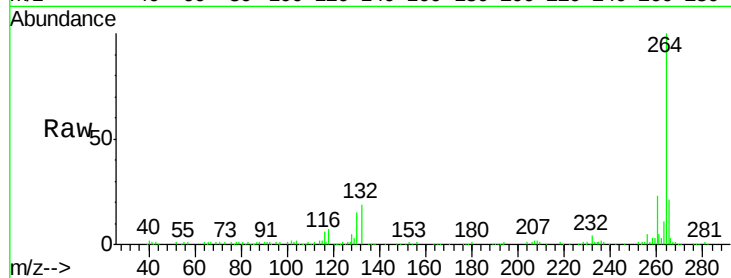




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2249
Delta R.T. 0.01 min
Lab File: BF097950.D
Acq: 22 Aug 2017 12:41

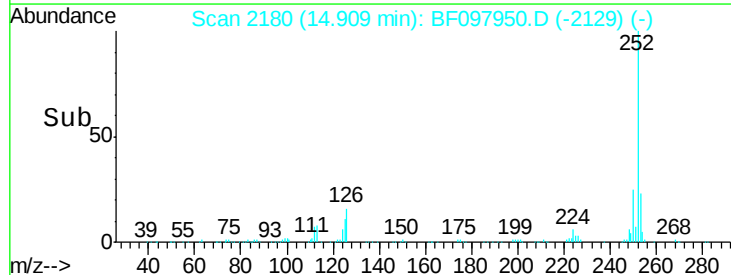
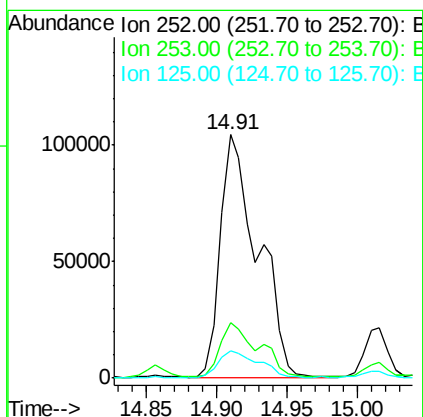
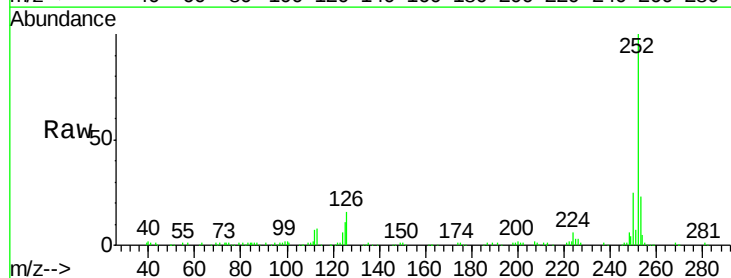
Instrument :
BNA_F
ClientSampleId :
SB-31-COMPDL

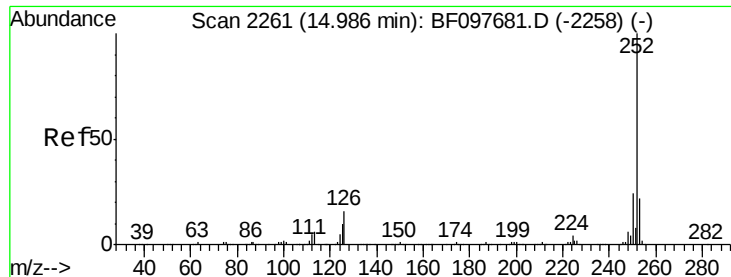
Tgt Ion:264 Resp: 144646
Ion Ratio Lower Upper
264 100
260 23.1 19.5 29.3
265 20.7 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 21.268 ng
RT: 14.91 min Scan# 2180
Delta R.T. -0.00 min
Lab File: BF097950.D
Acq: 22 Aug 2017 12:41

Tgt Ion:252 Resp: 193908
Ion Ratio Lower Upper
252 100
253 22.6 18.1 27.1
125 11.4 9.8 14.8

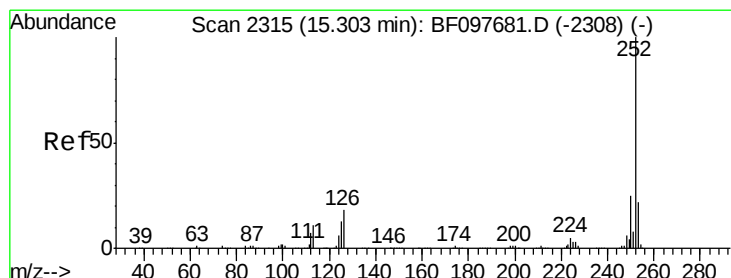
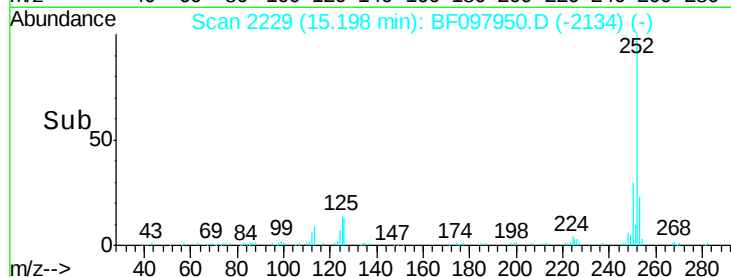
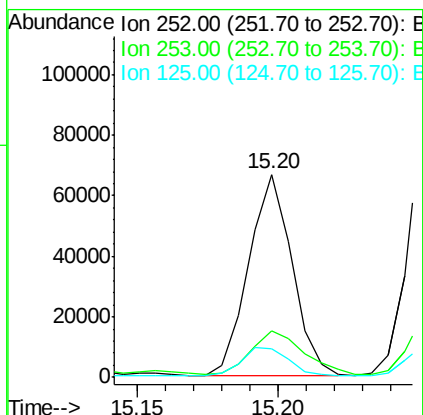
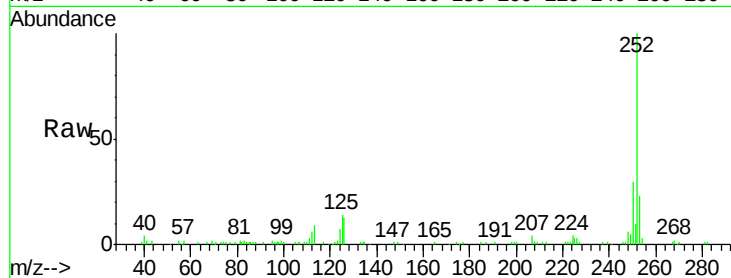




#88
Benzo(k)fluoranthene
Concen: 8.262 ng
RT: 15.20 min Scan# 2229
Delta R.T. 0.26 min
Lab File: BF097950.D
Acq: 22 Aug 2017 12:41

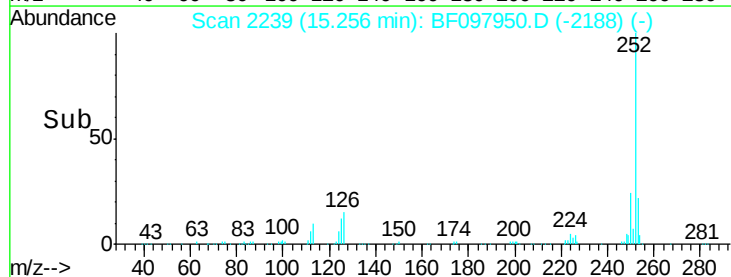
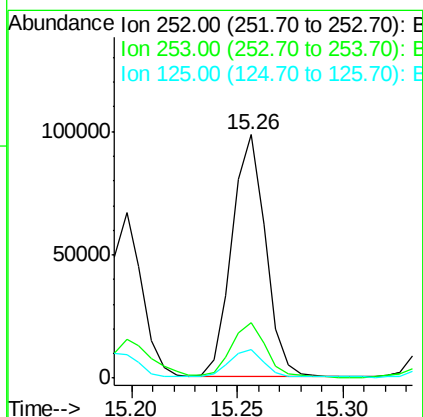
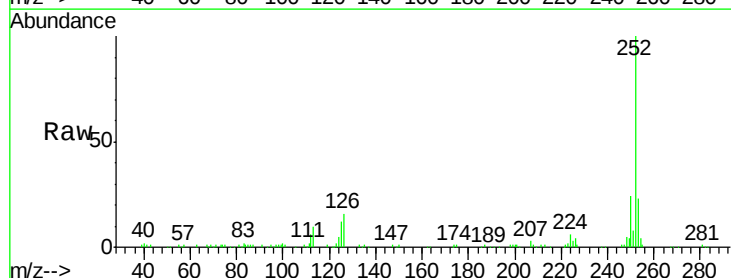
Instrument :
BNA_F
ClientSampleId :
SB-31-COMPDL

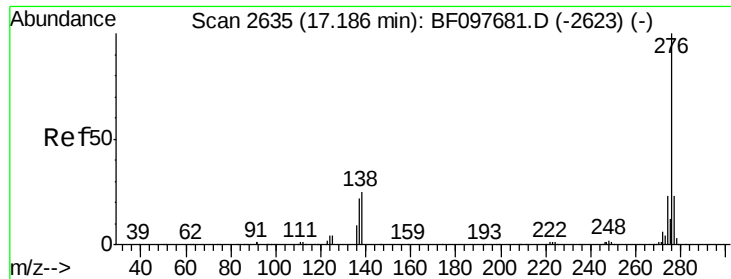
Tgt Ion:252 Resp: 70775
Ion Ratio Lower Upper
252 100
253 23.2 18.4 27.6
125 14.2 13.1 19.7



#89
Benzo(a)pyrene
Concen: 13.440 ng
RT: 15.26 min Scan# 2239
Delta R.T. -0.00 min
Lab File: BF097950.D
Acq: 22 Aug 2017 12:41

Tgt Ion:252 Resp: 108484
Ion Ratio Lower Upper
252 100
253 22.5 17.5 26.3
125 11.8 11.0 16.4





#91

Benzo(g,h,i)perylene

Concen: 8.625 ng

RT: 17.10 min Scan# 2553

Delta R.T. -0.01 min

Lab File: BF097950.D

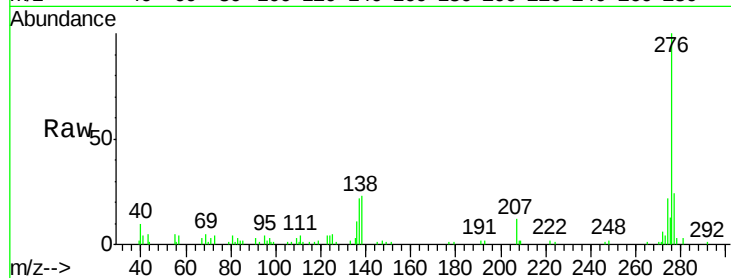
Acq: 22 Aug 2017 12:41

Instrument :

BNA_F

ClientSampleId :

SB-31-COMPDL



Tgt Ion:	276	Resp:	59136
Ion Ratio		Lower	Upper
276	100		
277	24.1	18.6	28.0
138	22.7	25.4	38.0

