

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080417\
 Data File : BF097375.D
 Acq On : 5 Aug 2017 00:20
 Operator : SJ/JU
 Sample : I4582-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S1

Quant Time: Aug 05 01:29:50 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 01:17:22 2017
 Response via : Initial Calibration

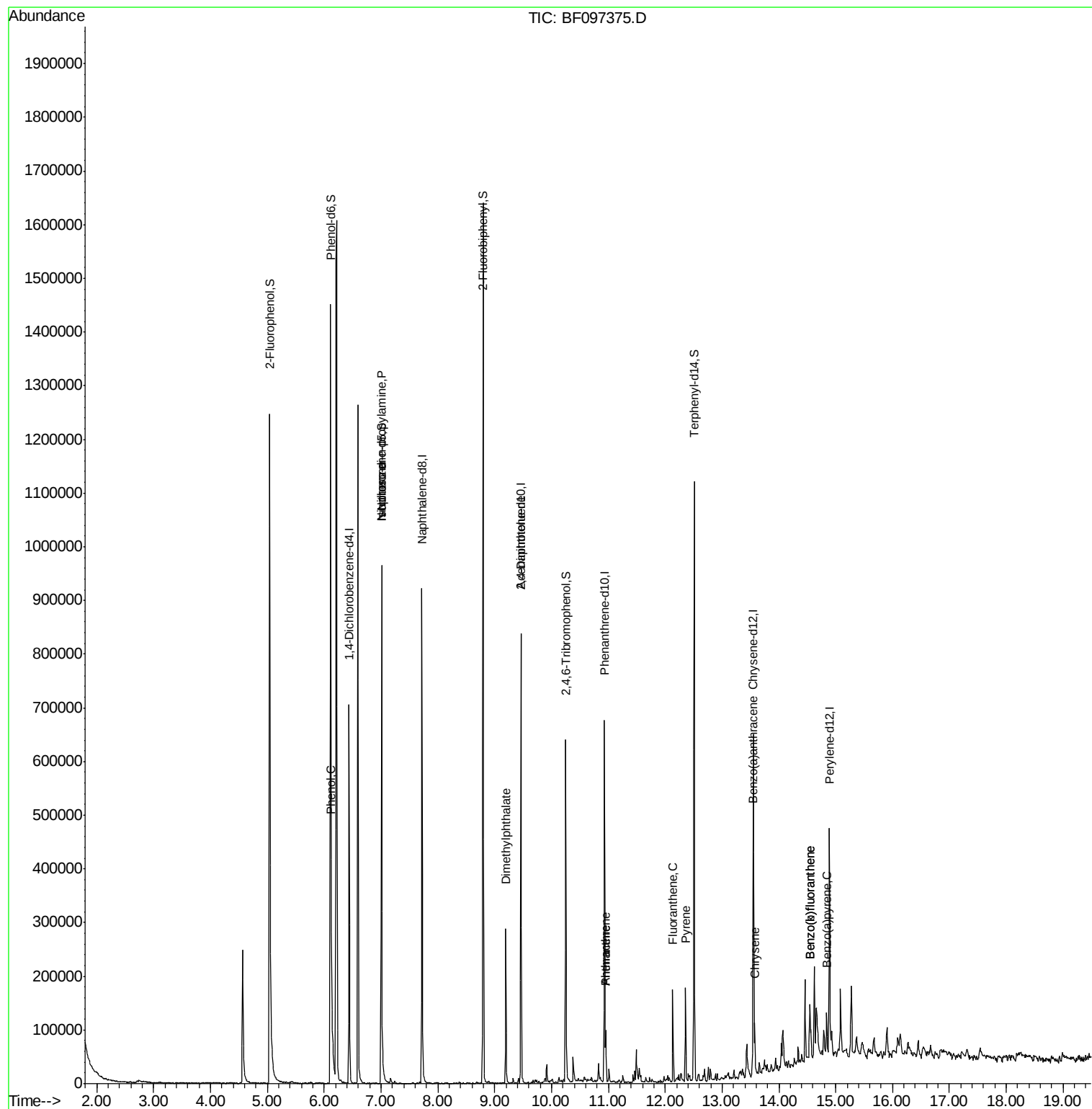
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.44	152	106007	20.00	ng	-0.06
21) Naphthalene-d8	7.72	136	417458	20.00	ng	-0.06
38) Acenaphthene-d10	9.46	164	157522	20.00	ng	-0.07
63) Phenanthrene-d10	10.93	188	236405	20.00	ng	-0.07
75) Chrysene-d12	13.55	240	189169	20.00	ng	-0.08
86) Perylene-d12	14.89	264	161401	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.04	112	461049	65.56	ng	-0.06
7) Phenol-d6	6.11	99	546306	68.05	ng	-0.06
23) Nitrobenzene-d5	7.01	82	307715	43.24	ng	-0.06
41) 2,4,6-Tribromophenol	10.25	330	75795	60.90	ng	-0.07
44) 2-Fluorobiphenyl	8.80	172	543449	58.55	ng	-0.07
78) Terphenyl-d14	12.51	244	328544	35.41	ng	-0.08
Target Compounds						
10) Phenol	6.13	94	23606	2.48	ng	Qvalue 78
19) n-Nitroso-di-n-propylamine	7.01	70	41138	7.79	ng	# 86
25) Isophorone	7.01	82	302711	21.72	ng	# 67
49) Dimethylphthalate	9.20	163	118716	9.92	ng	# 99
56) 2,4-Dinitrotoluene	9.46	165	19929	6.83	ng	# 33
70) Phenanthrene	10.96	178	34214	2.70	ng	99
71) Anthracene	10.96	178	34214	2.64	ng	98
74) Fluoranthene	12.14	202	72773	5.86	ng	96
77) Pyrene	12.36	202	64827	4.19	ng	98
80) Benzo(a)anthracene	13.54	228	35763	2.92	ng	95
82) Chrysene	13.57	228	34944	2.92	ng	96
87) Benzo(b)fluoranthene	14.54	252	59768	6.16	ng	# 96
88) Benzo(k)fluoranthene	14.54	252	59768	6.46	ng	100
89) Benzo(a)pyrene	14.84	252	31167	3.51	ng	97

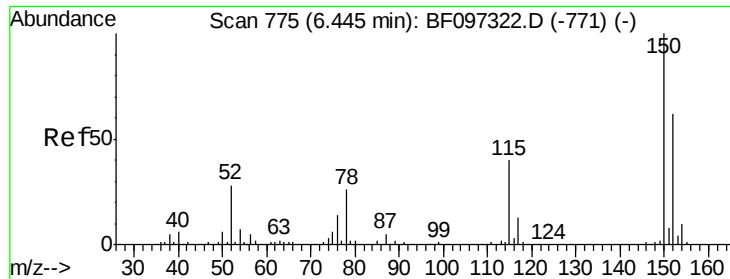
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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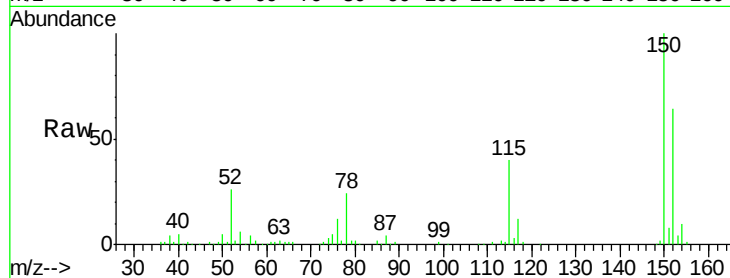


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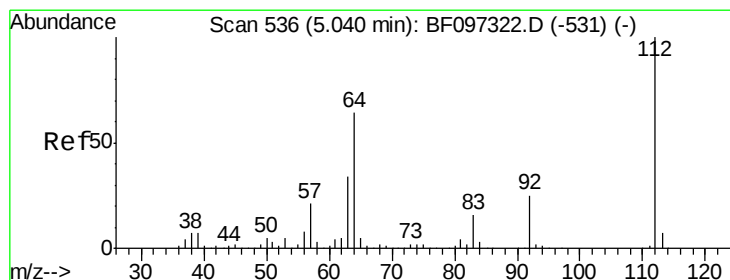
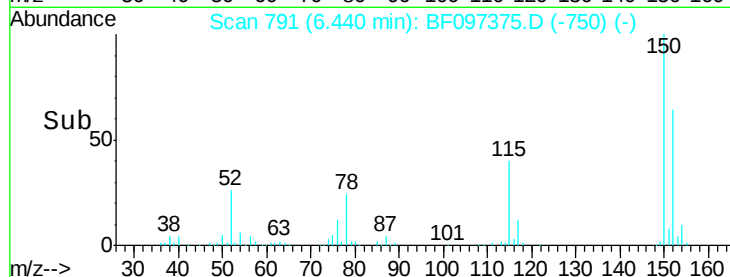
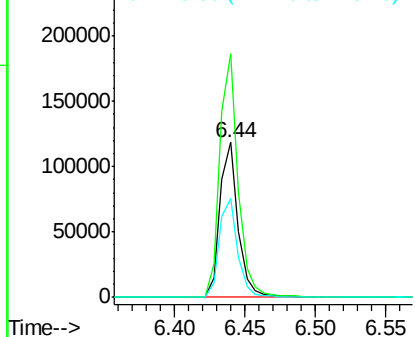
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.44 min Scan# 791
Delta R.T. -0.06 min
Lab File: BF097375.D
Acq: 5 Aug 2017 00:20

Instrument :
BNA_F
ClientSampled :
S1

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	126.2	189.2
115	63.6	52.2	78.2



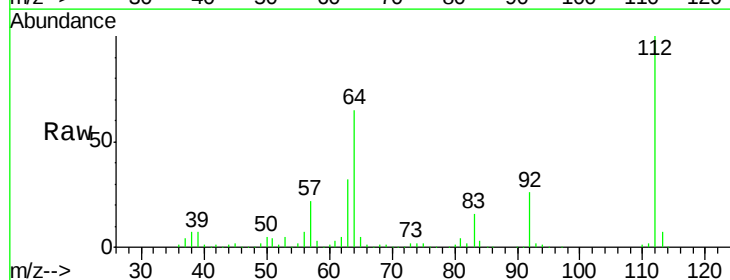
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



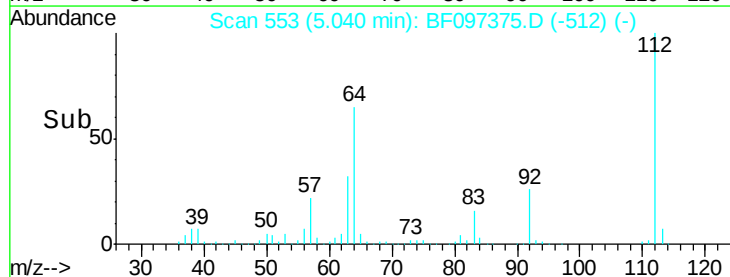
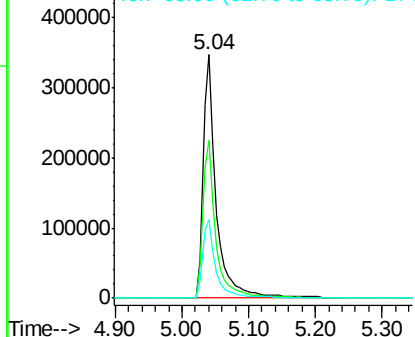
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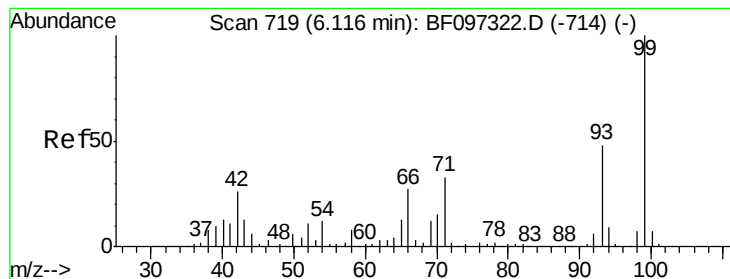
2-Fluorophenol
Concen: 65.56 ng
RT: 5.04 min Scan# 553
Delta R.T. -0.06 min
Lab File: BF097375.D
Acq: 5 Aug 2017 00:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.8	46.0	69.0
63	32.3	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: 68.05 ng

RT: 6.11 min Scan# 735

Delta R.T. -0.06 min

Lab File: BF097375.D

Acq: 5 Aug 2017 00:20

Instrument :

BNA_F

ClientSampleId :

S1

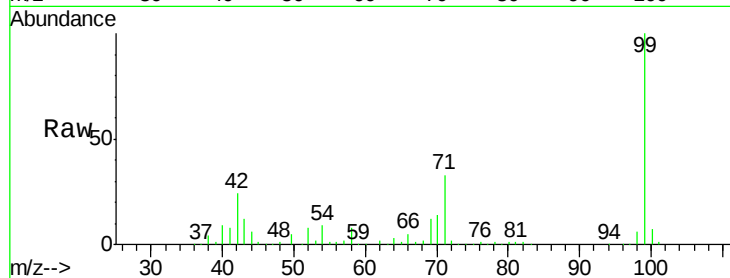
Tot Ion: 99 Resp: 546306

Ion Ratio Lower Upper

99 100

42 24.3 13.5 20.3#

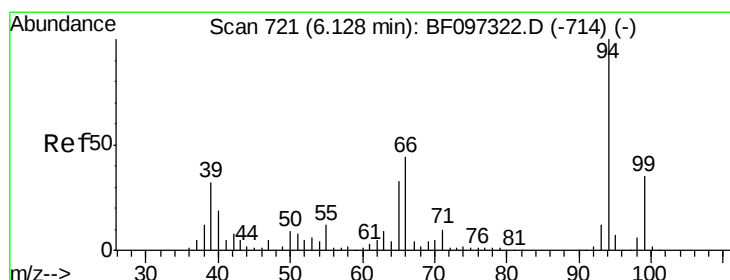
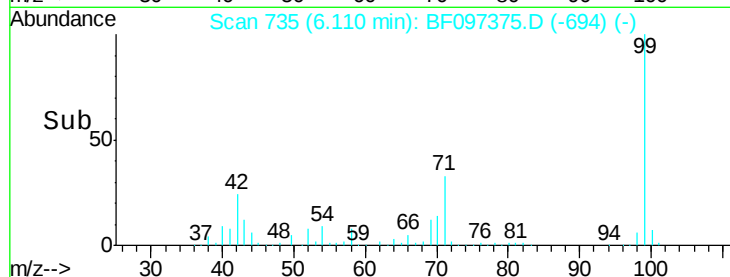
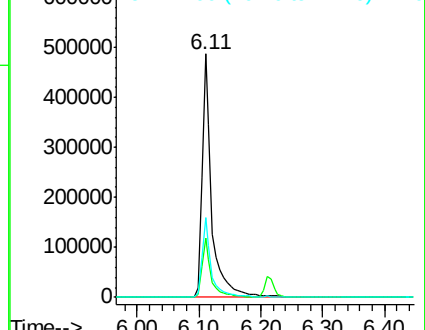
71 32.6 24.5 36.7



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



#10

Phenol

Concen: 2.48 ng

RT: 6.13 min Scan# 738

Delta R.T. -0.05 min

Lab File: BF097375.D

Acq: 5 Aug 2017 00:20

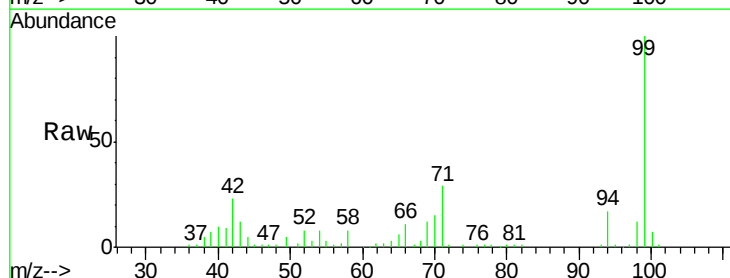
Tgt Ion: 94 Resp: 23606

Ion Ratio Lower Upper

94 100

65 35.8 9.9 49.9

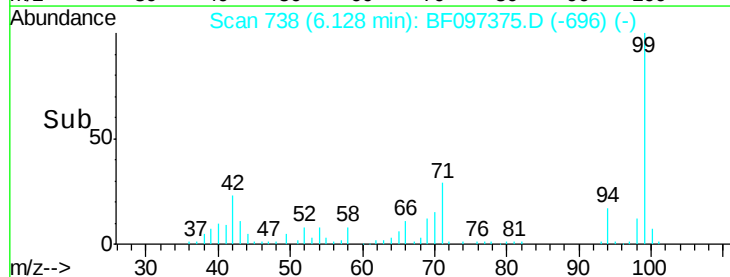
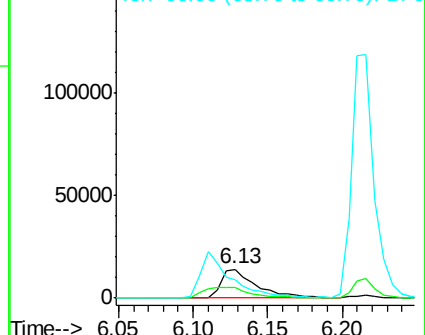
66 62.0 23.1 63.1

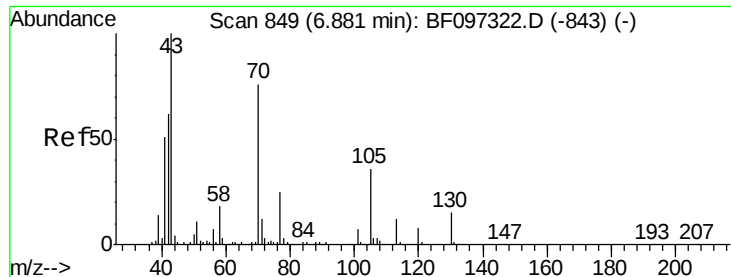


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

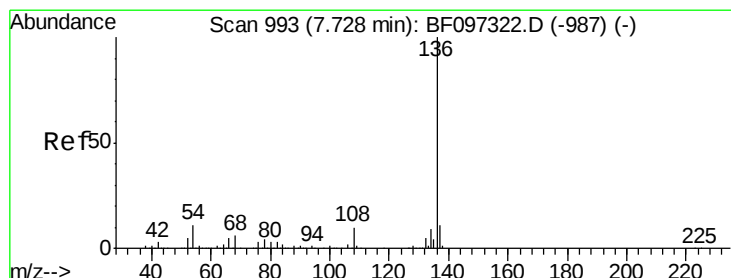
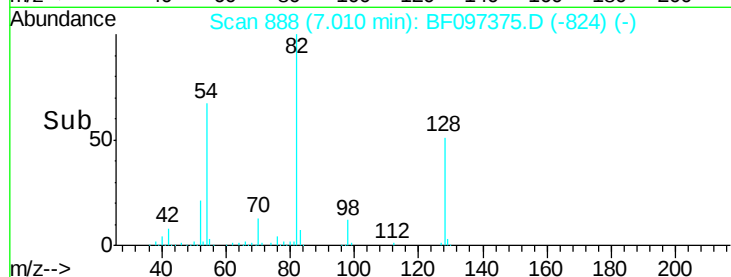
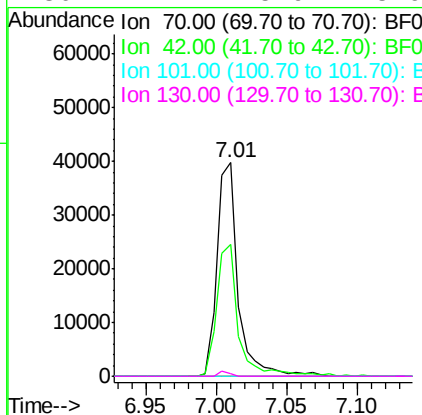
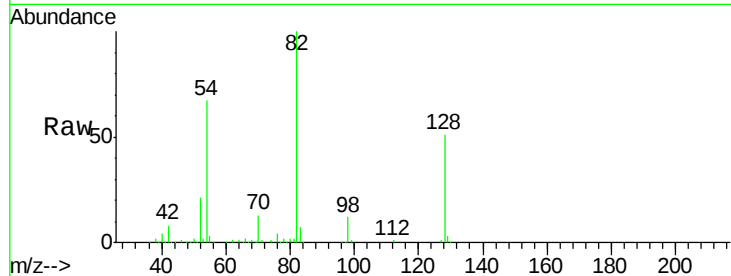




#19
n-Nitroso-di-n-propylamine
Concen: 7.79 ng
RT: 7.01 min Scan# 888
Delta R.T. 0.08 min
Lab File: BF097375.D
Acq: 5 Aug 2017 00:20

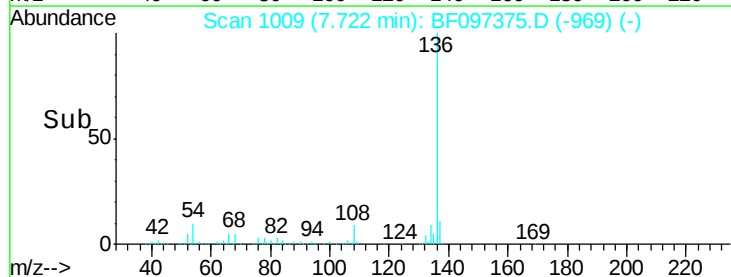
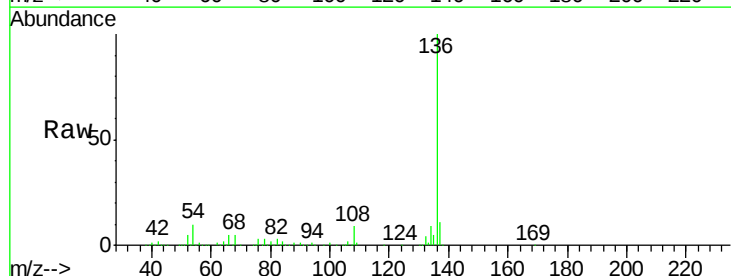
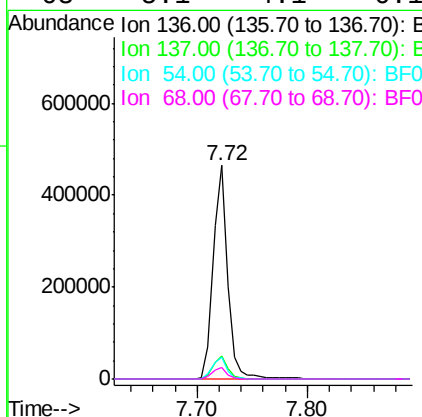
Instrument :
BNA_F
ClientSampleId :
S1

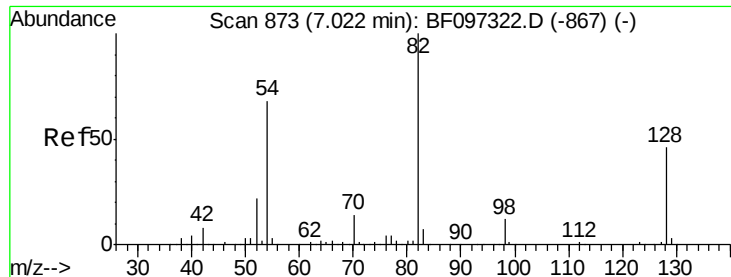
Tot Ion: 70 Resp: 41138
Ion Ratio Lower Upper
70 100
42 61.7 47.2 70.8
101 0.0 7.2 10.8#
130 1.4 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.72 min Scan# 1009
Delta R.T. -0.06 min
Lab File: BF097375.D
Acq: 5 Aug 2017 00:20

Tgt Ion:136 Resp: 417458
Ion Ratio Lower Upper
136 100
137 10.6 8.5 12.7
54 10.1 4.9 7.3#
68 5.1 4.1 6.1

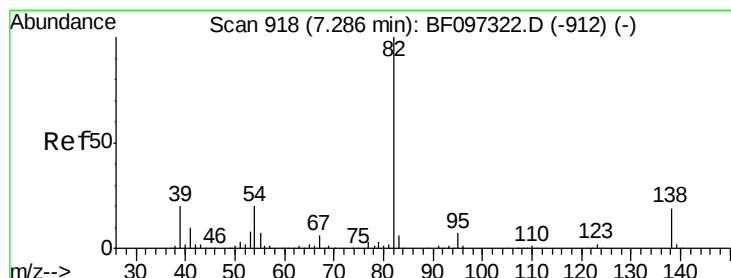
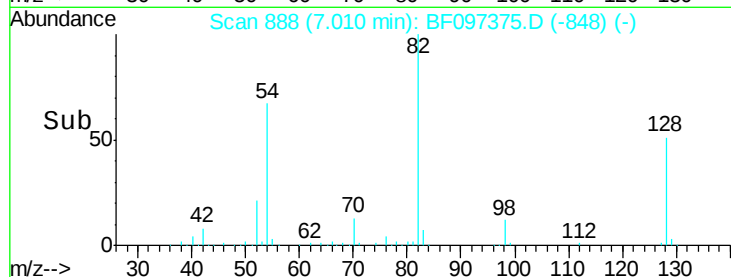
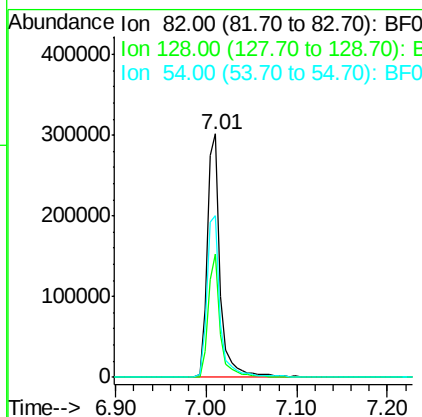
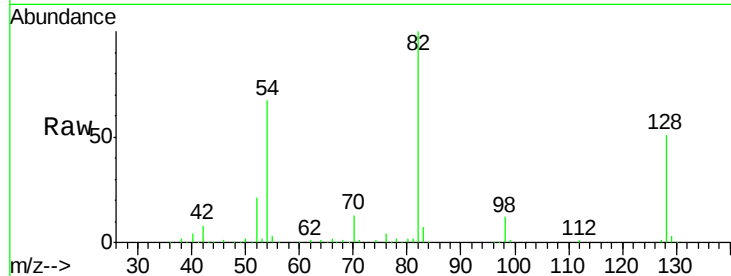




#23
 Nitrobenzene-d5
 Concen: 43.24 ng
 RT: 7.01 min Scan# 888
 Delta R.T. -0.06 min
 Lab File: BF097375.D
 Acq: 5 Aug 2017 00:20

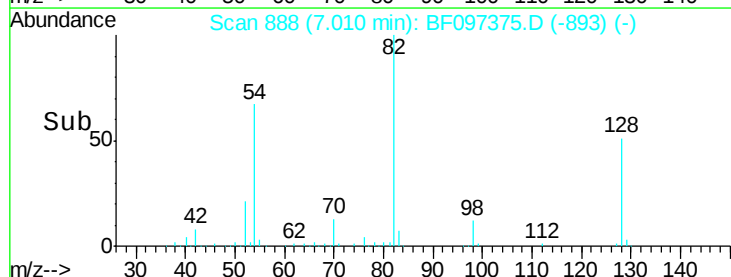
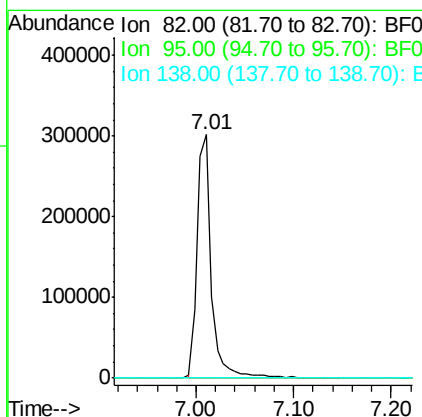
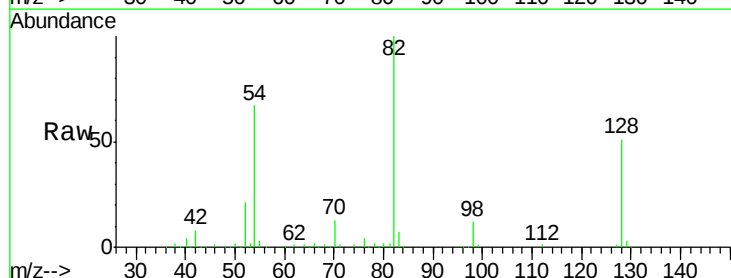
Instrument :
 BNA_F
 ClientSampled :
 S1

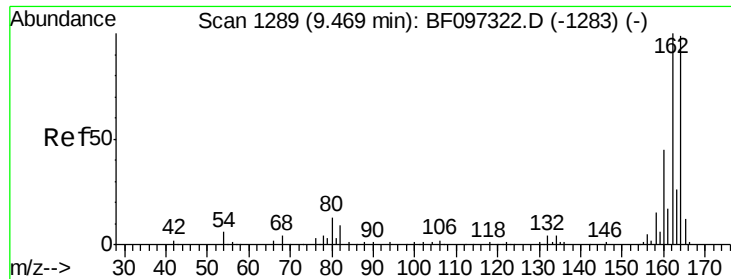
Tot Ion: 82 Resp: 307715
 Ion Ratio Lower Upper
 82 100
 128 50.7 34.0 51.0
 54 66.7 42.2 63.2#



#25
 Isophorone
 Concen: 21.72 ng
 RT: 7.01 min Scan# 888
 Delta R.T. -0.33 min
 Lab File: BF097375.D
 Acq: 5 Aug 2017 00:20

Tgt Ion: 82 Resp: 302711
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.3 7.9#
 138 0.0 13.1 19.7#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.46 min Scan# 1305

Delta R.T. -0.07 min

Lab File: BF097375.D

Acq: 5 Aug 2017 00:20

Instrument :

BNA_F

ClientSampleId :

S1

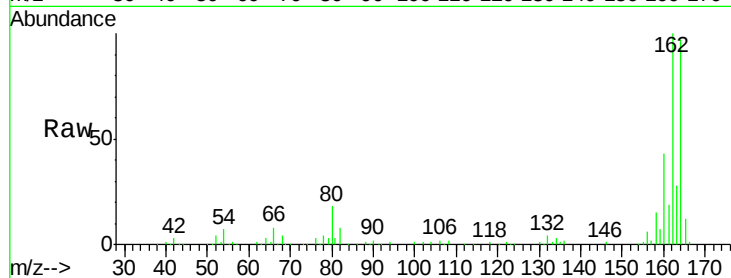
Tot Ion:164 Resp: 157522

Ion Ratio Lower Upper

164 100

162 103.2 82.6 123.8

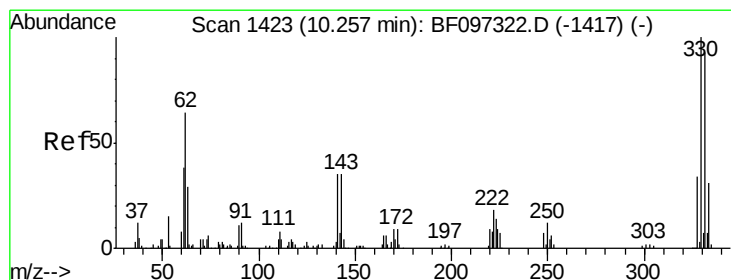
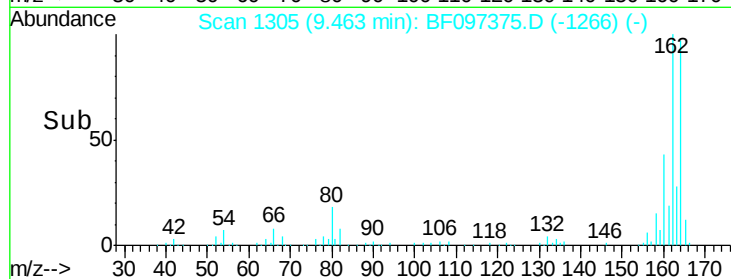
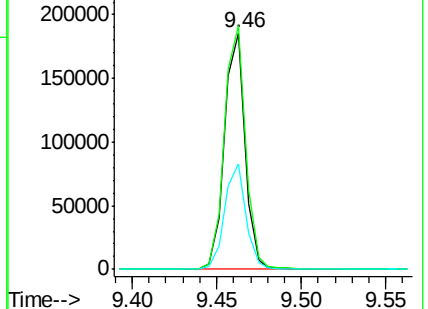
160 44.6 36.2 54.2



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: 60.90 ng

RT: 10.25 min Scan# 1439

Delta R.T. -0.07 min

Lab File: BF097375.D

Acq: 5 Aug 2017 00:20

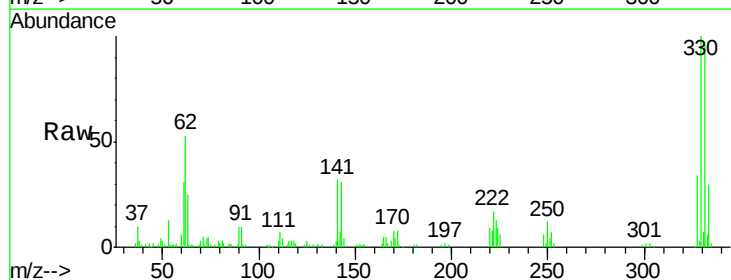
Tgt Ion:330 Resp: 75795

Ion Ratio Lower Upper

330 100

332 97.7 76.6 115.0

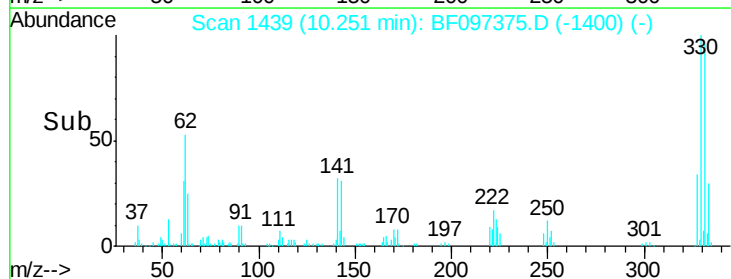
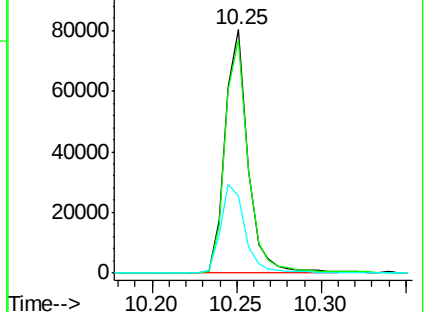
141 39.1 31.4 47.2

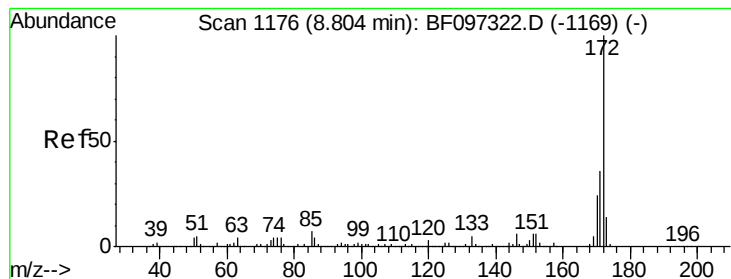


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

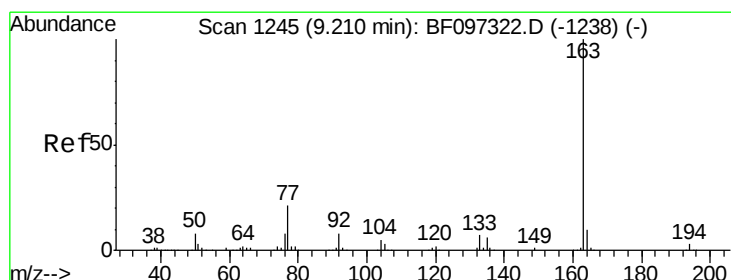
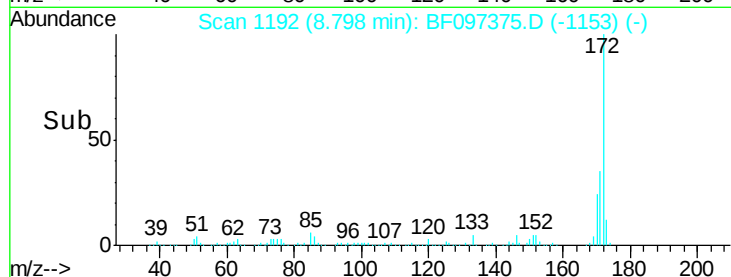
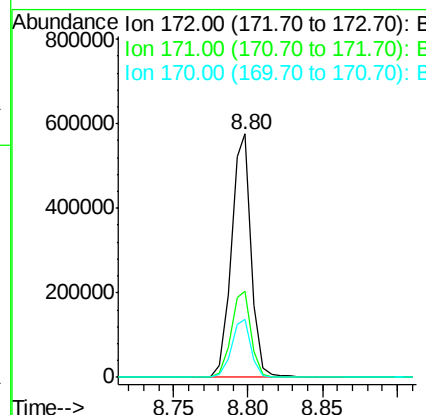
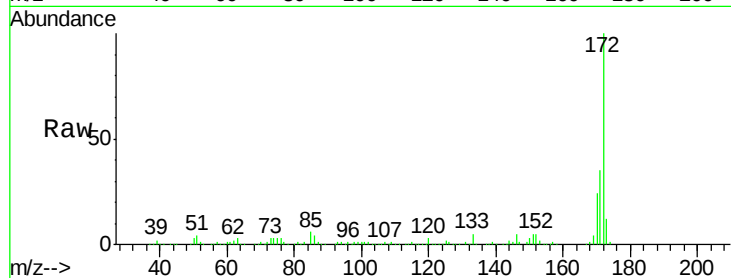




#44
2-Fluorobiphenyl
Concen: 58.55 ng
RT: 8.80 min Scan# 1192
Delta R.T. -0.07 min
Lab File: BF097375.D
Acq: 5 Aug 2017 00:20

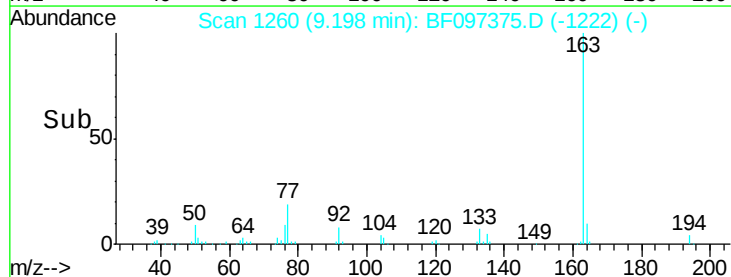
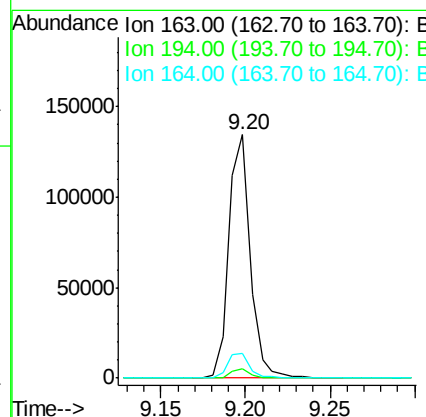
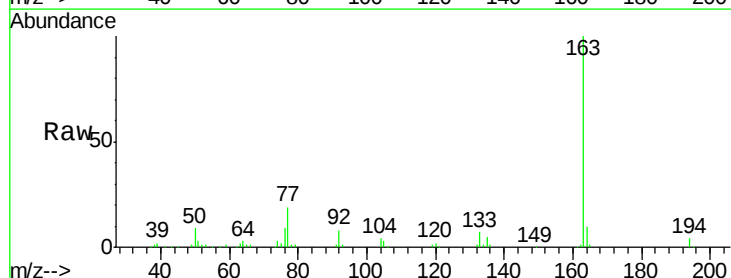
Instrument :
BNA_F
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S1

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.6	44.4
170	24.0	19.8	29.8



#49
Dimethylphthalate
Concen: 9.92 ng
RT: 9.20 min Scan# 1260
Delta R.T. -0.08 min
Lab File: BF097375.D
Acq: 5 Aug 2017 00:20

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	2.6	4.0#
164	10.0	8.4	12.6

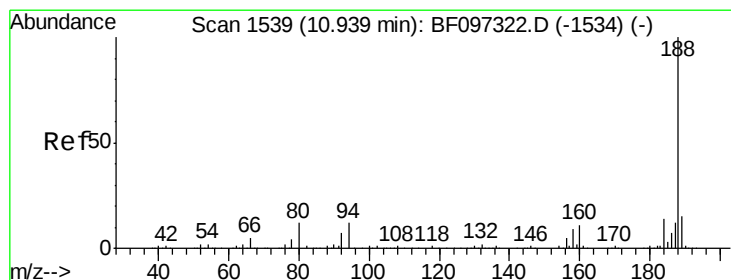
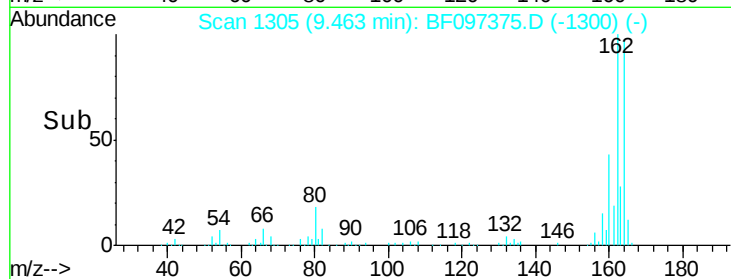
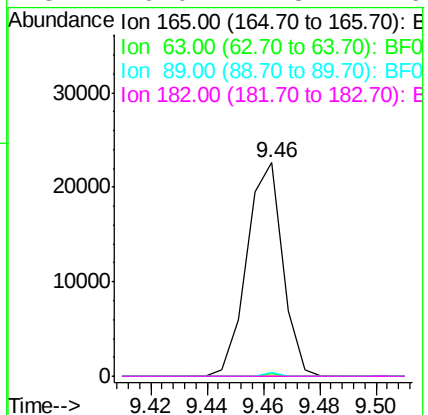
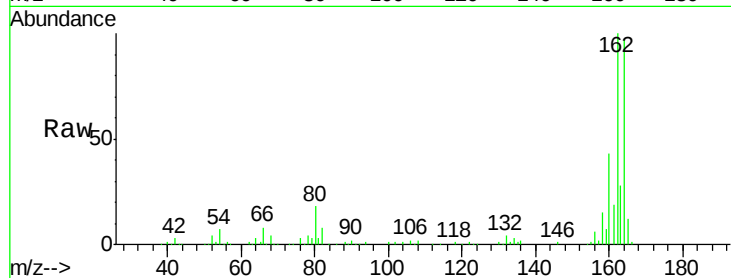




#56
 2,4-Dinitrotoluene
 Concen: 6.83 ng
 RT: 9.46 min Scan# 1305
 Delta R.T. -0.27 min
 Lab File: BF097375.D
 Acq: 5 Aug 2017 00:20

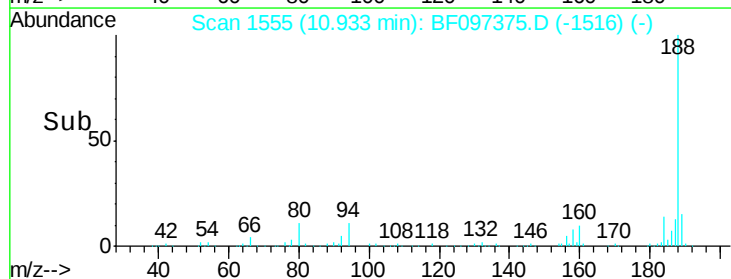
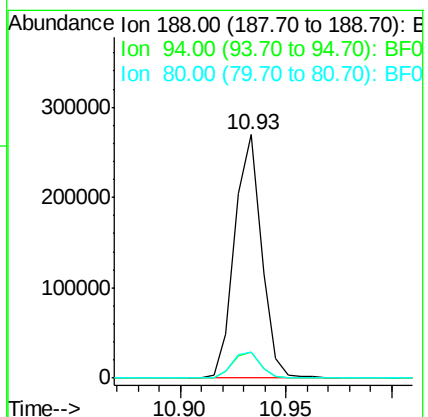
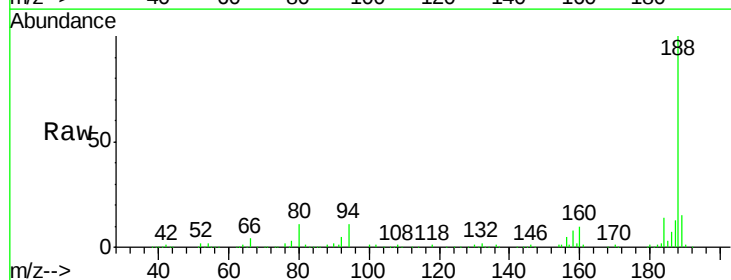
Instrument :
 BNA_F
 ClientSampleId :
 S1

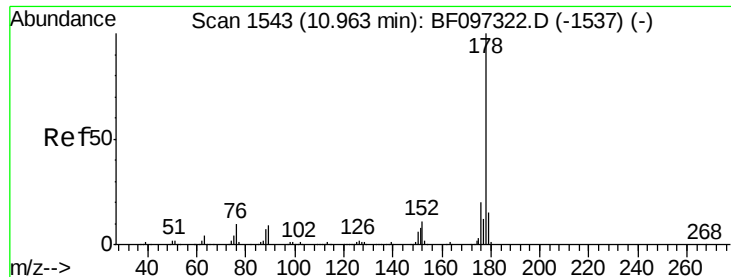
Tot Ion:165	Resp:	19929
Ion Ratio	Lower	Upper
165	100	
63	1.4	25.4 38.0#
89	1.5	46.4 69.6#
182	0.0	1.8 2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.93 min Scan# 1555
 Delta R.T. -0.07 min
 Lab File: BF097375.D
 Acq: 5 Aug 2017 00:20

Tgt Ion:188	Resp:	236405
Ion Ratio	Lower	Upper
188	100	
94	10.6	9.4 14.2
80	10.7	10.2 15.2





#70

Phenanthrene

Concen: 2.70 ng

RT: 10.96 min Scan# 1559

Delta R.T. -0.07 min

Lab File: BF097375.D

Acq: 5 Aug 2017 00:20

Instrument :

BNA_F

ClientSampleId :

S1

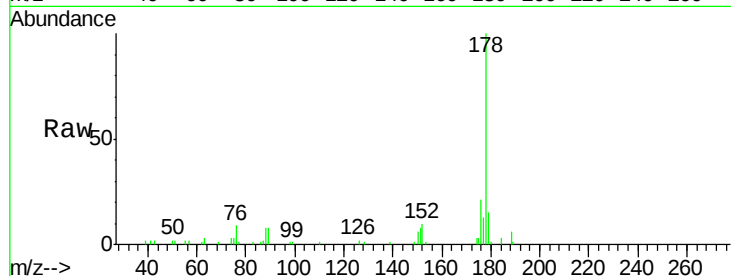
Tot Ion:178 Resp: 34214

Ion Ratio Lower Upper

178 100

176 20.9 16.2 24.4

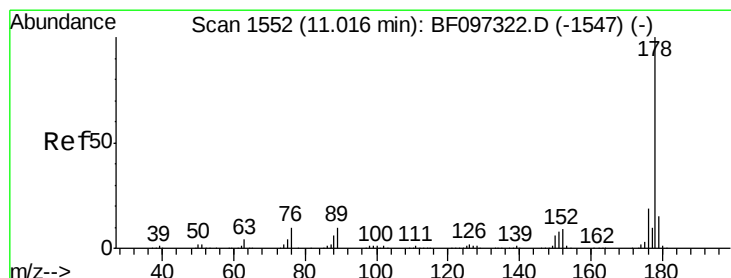
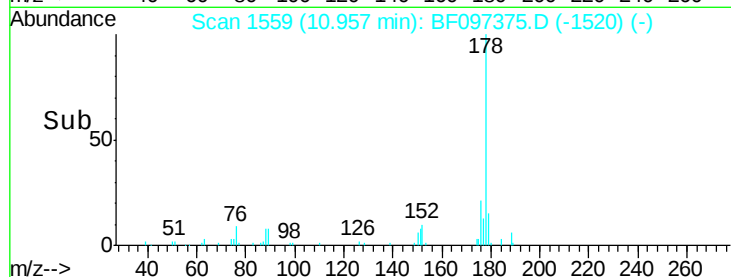
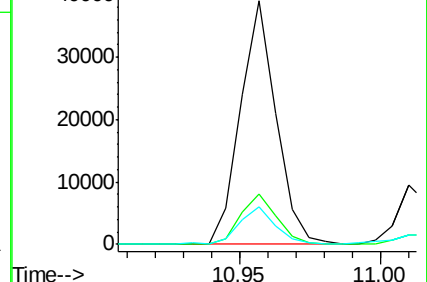
179 15.3 12.6 19.0



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: 2.64 ng

RT: 10.96 min Scan# 1559

Delta R.T. -0.12 min

Lab File: BF097375.D

Acq: 5 Aug 2017 00:20

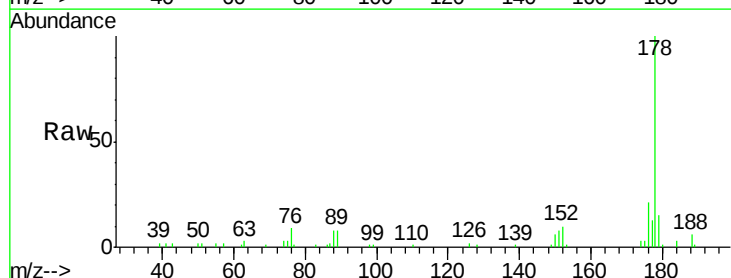
Tgt Ion:178 Resp: 34214

Ion Ratio Lower Upper

178 100

176 20.9 15.8 23.8

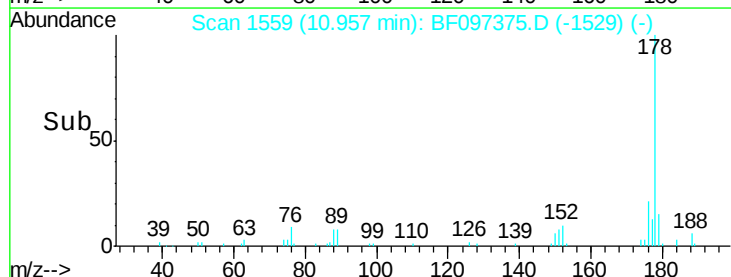
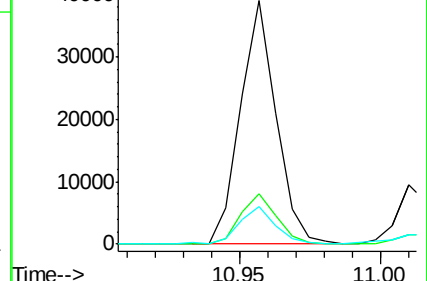
179 15.3 12.7 19.1

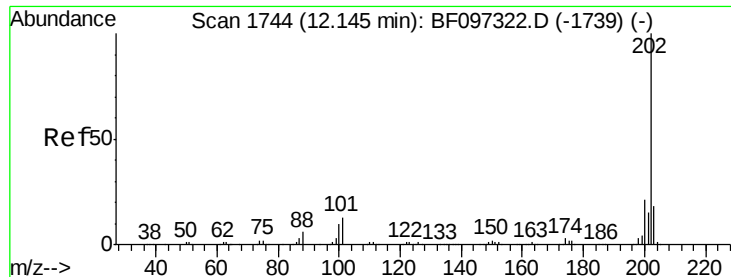


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 5.86 ng

RT: 12.14 min Scan# 1760

Delta R.T. -0.07 min

Lab File: BF097375.D

Acq: 5 Aug 2017 00:20

Instrument :

BNA_F

ClientSampleId :

S1

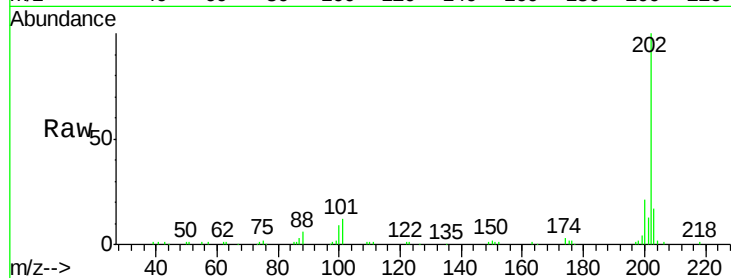
Tot Ion:202 Resp: 72773

Ion Ratio Lower Upper

202 100

101 11.8 0.0 33.2

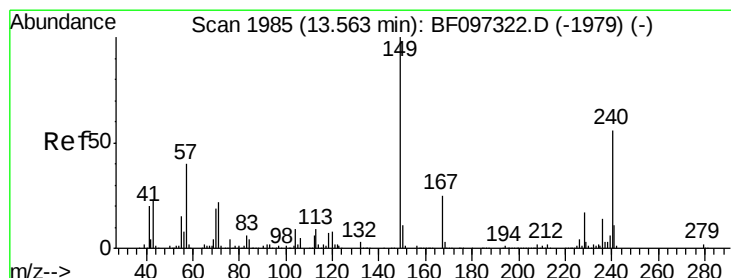
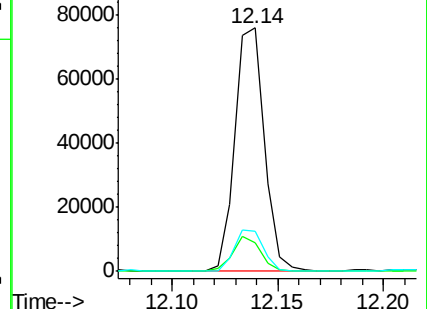
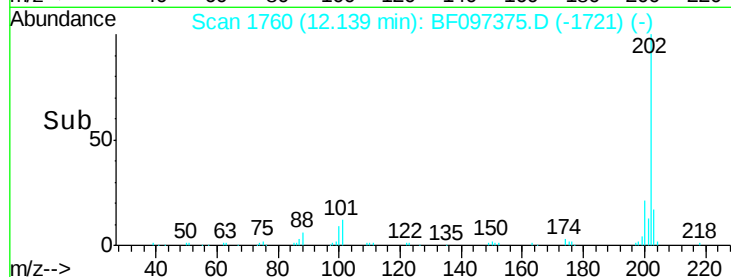
203 16.6 0.0 38.1



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: 13.55 min Scan# 2000

Delta R.T. -0.08 min

Lab File: BF097375.D

Acq: 5 Aug 2017 00:20

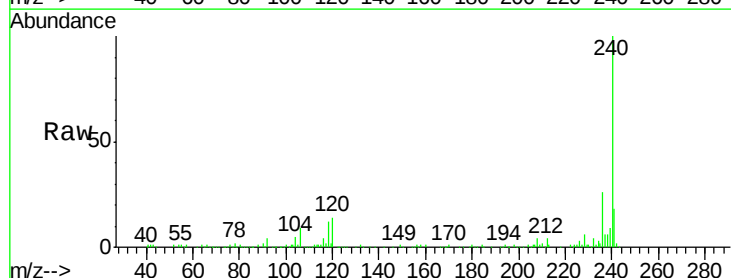
Tgt Ion:240 Resp: 189169

Ion Ratio Lower Upper

240 100

120 14.3 5.8 8.8#

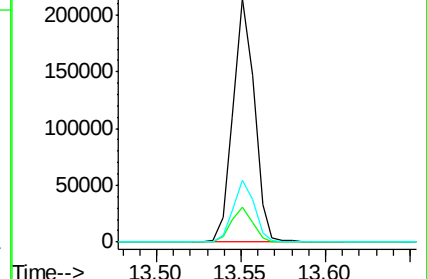
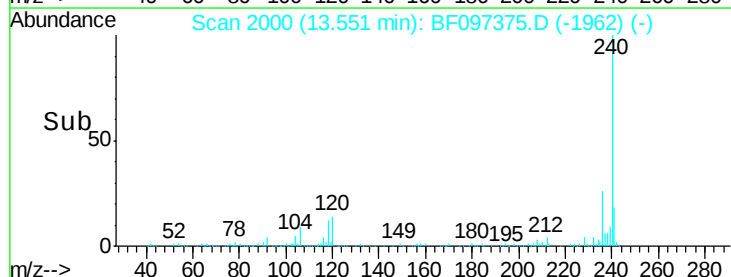
236 25.5 20.5 30.7

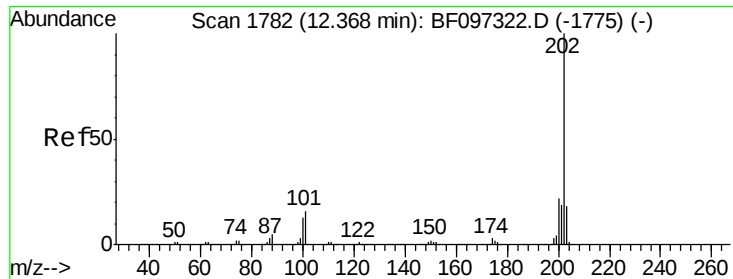


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

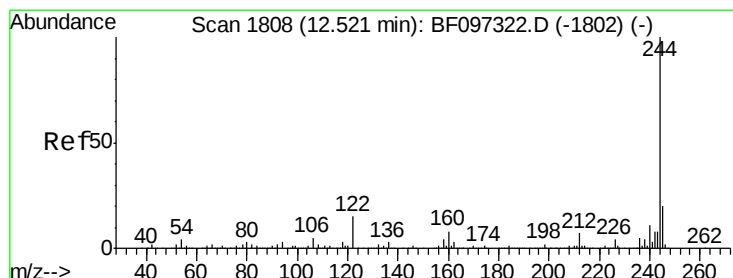
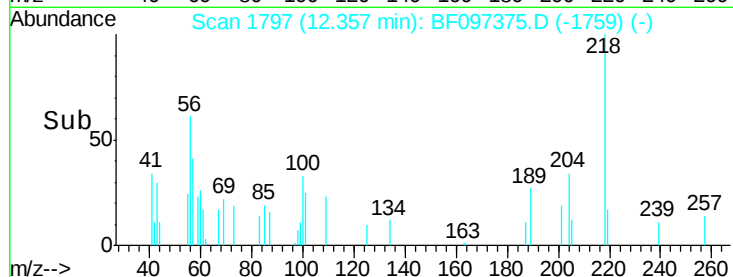
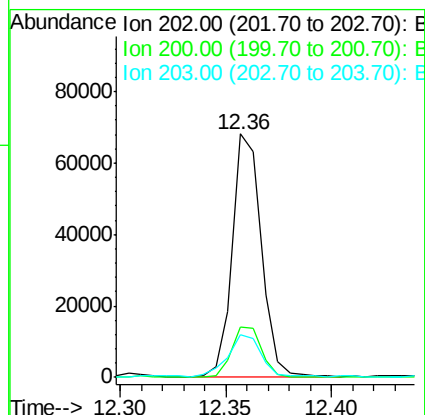
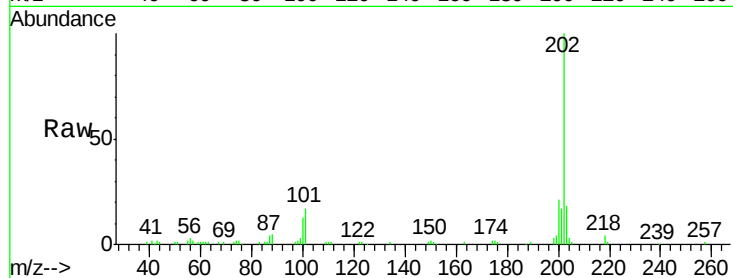




#77
Pvrene
Concen: 4.19 ng
RT: 12.36 min Scan# 1797
Delta R.T. -0.08 min
Lab File: BF097375.D
Acq: 5 Aug 2017 00:20

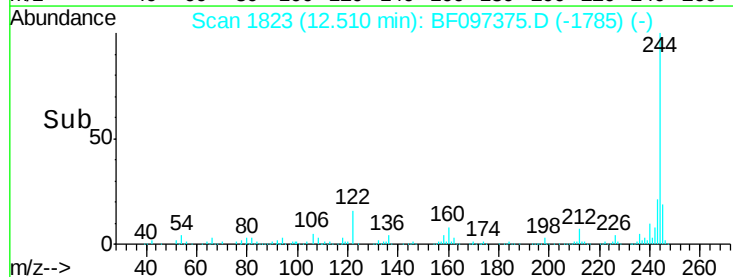
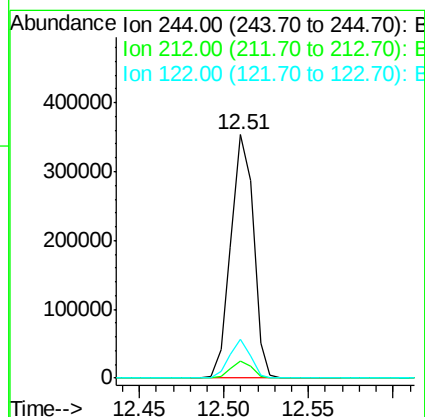
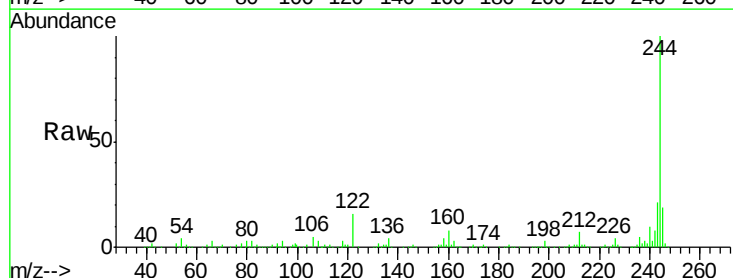
Instrument :
BNA_F
ClientSampleId :
S1

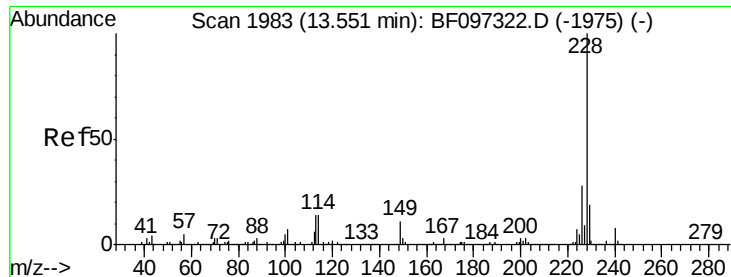
Tot Ion:202 Resp: 64827
Ion Ratio Lower Upper
202 100
200 20.5 17.6 26.4
203 17.6 14.4 21.6



#78
Terphenyl-d14
Concen: 35.41 ng
RT: 12.51 min Scan# 1823
Delta R.T. -0.08 min
Lab File: BF097375.D
Acq: 5 Aug 2017 00:20

Tgt Ion:244 Resp: 328544
Ion Ratio Lower Upper
244 100
212 6.8 6.0 9.0
122 15.8 10.3 15.5#





#80

Benzo(a)anthracene

Concen: 2.92 ng

RT: 13.54 min Scan# 1998

Delta R.T. -0.08 min

Lab File: BF097375.D

Acq: 5 Aug 2017 00:20

Instrument :

BNA_F

ClientSampleId :

S1

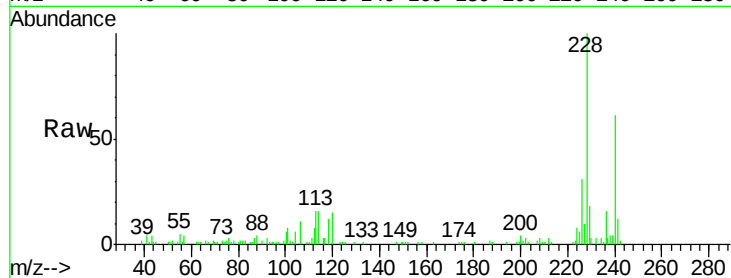
Tot Ion:228 Resp: 35763

Ion Ratio Lower Upper

228 100

226 30.8 22.6 33.8

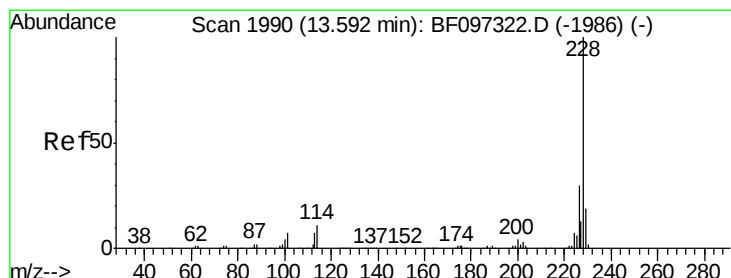
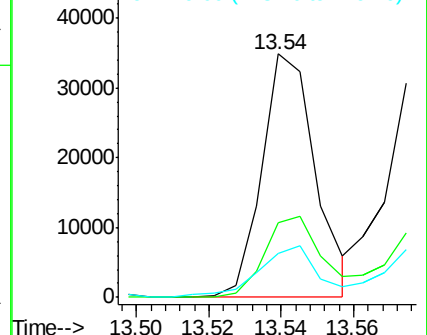
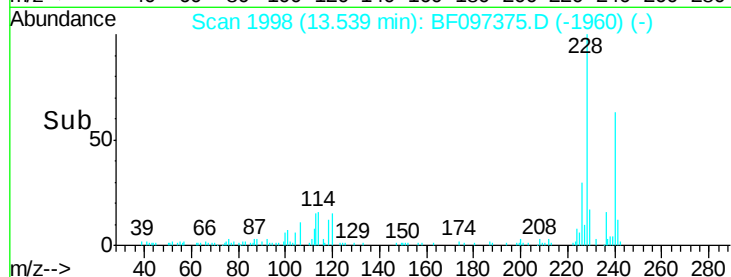
229 18.3 16.3 24.5



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: 2.92 ng

RT: 13.57 min Scan# 2004

Delta R.T. -0.08 min

Lab File: BF097375.D

Acq: 5 Aug 2017 00:20

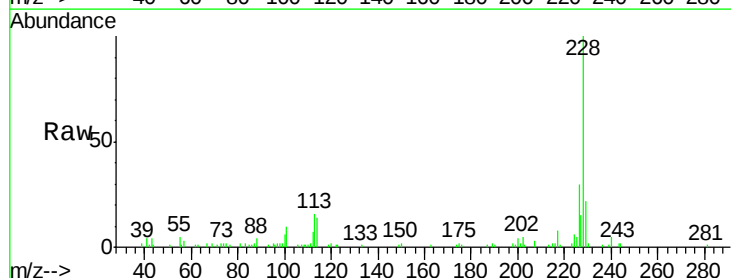
Tgt Ion:228 Resp: 34944

Ion Ratio Lower Upper

228 100

226 29.8 24.9 37.3

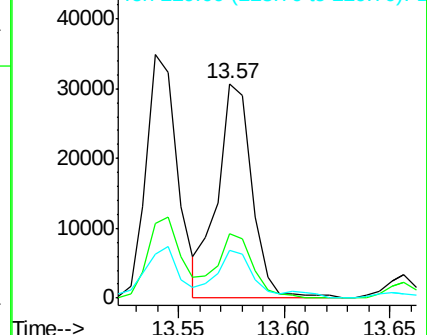
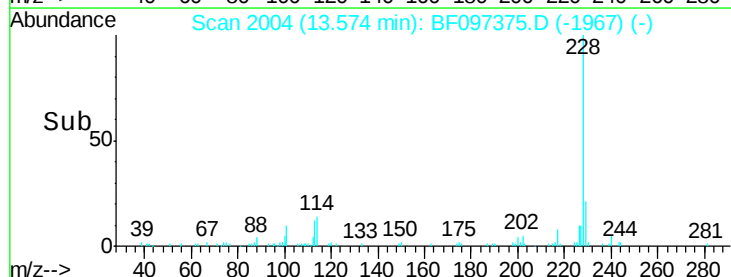
229 22.3 15.8 23.6

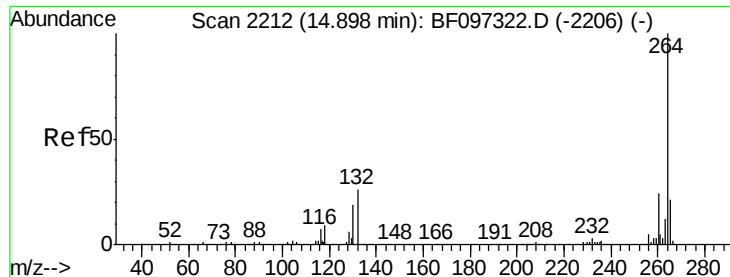


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

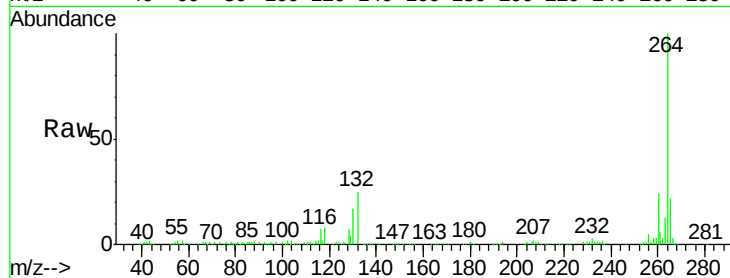




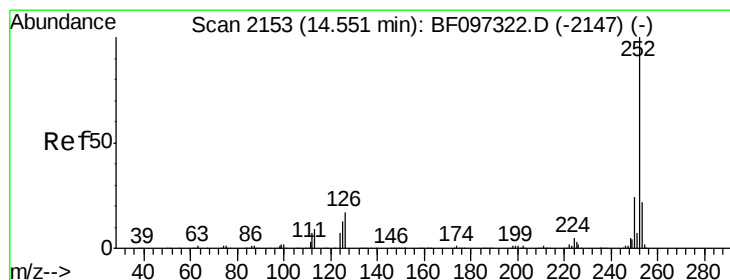
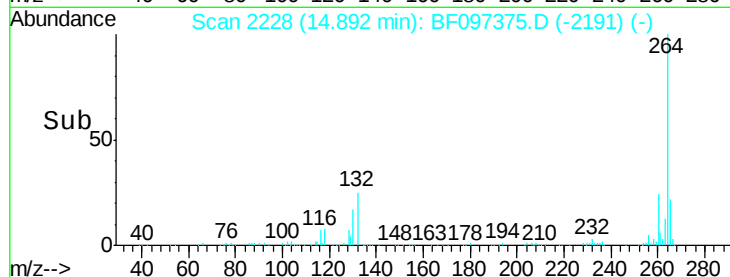
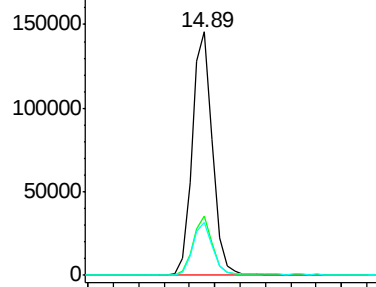
#86
Pervlene-d12
Concen: 20.00 ng
RT: 14.89 min Scan# 2228
Delta R.T. -0.08 min
Lab File: BF097375.D
Acq: 5 Aug 2017 00:20

Instrument :
BNA_F
ClientSampleId :
S1

Tot Ion:264 Resp: 161401
Ion Ratio Lower Upper
264 100
260 24.4 19.5 29.3
265 21.7 17.2 25.8

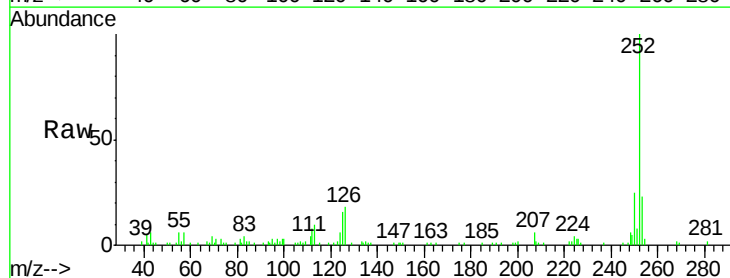


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

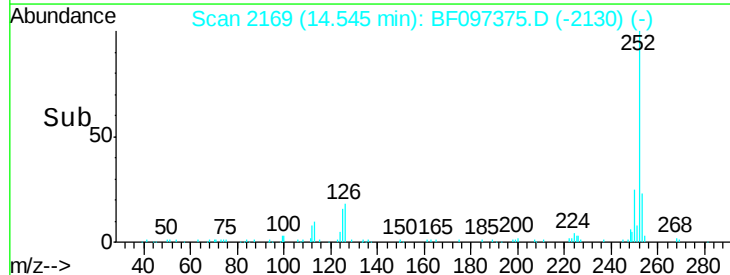
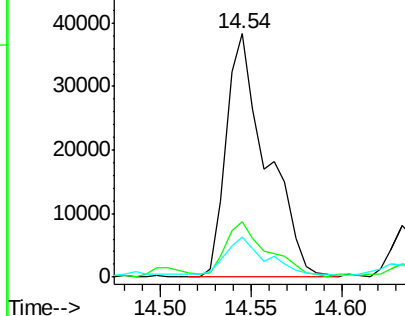


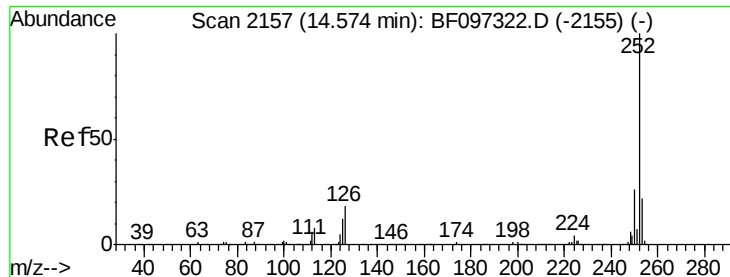
#87
Benzo(b)fluoranthene
Concen: 6.16 ng
RT: 14.54 min Scan# 2169
Delta R.T. -0.07 min
Lab File: BF097375.D
Acq: 5 Aug 2017 00:20

Tgt Ion:252 Resp: 59768
Ion Ratio Lower Upper
252 100
253 22.7 18.1 27.1
125 16.3 9.8 14.8#



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: 6.46 ng

RT: 14.54 min Scan# 2169

Delta R.T. -0.10 min

Lab File: BF097375.D

Acq: 5 Aug 2017 00:20

Instrument :

BNA_F

ClientSampled :

S1

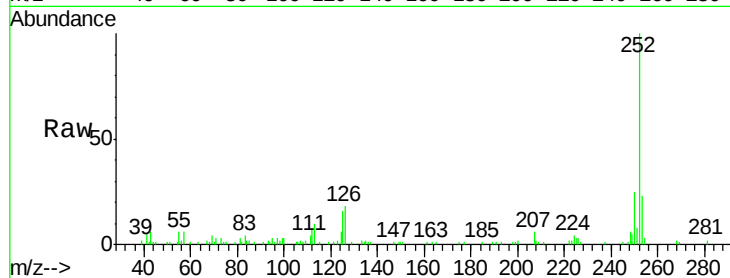
Tot Ion:252 Resp: 59768

Ion Ratio Lower Upper

252 100

253 22.7 18.4 27.6

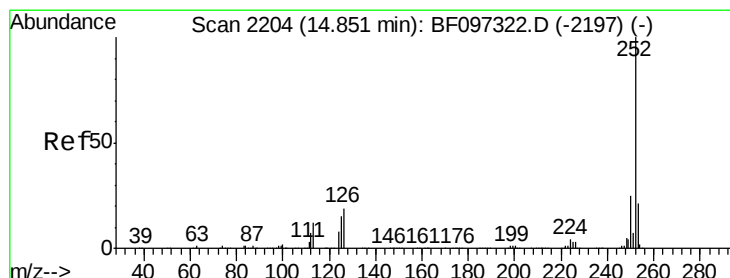
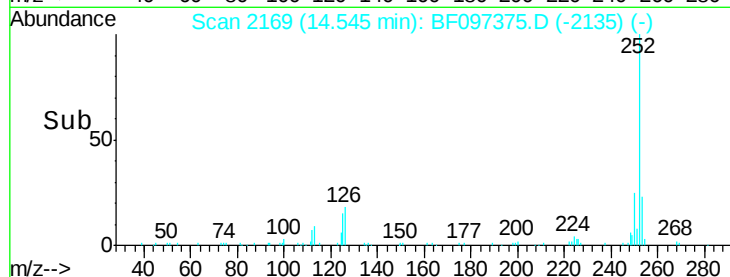
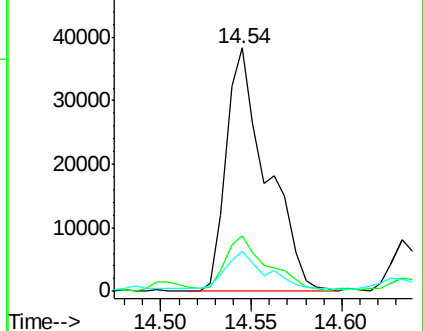
125 16.3 13.1 19.7



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 3.51 ng

RT: 14.84 min Scan# 2220

Delta R.T. -0.08 min

Lab File: BF097375.D

Acq: 5 Aug 2017 00:20

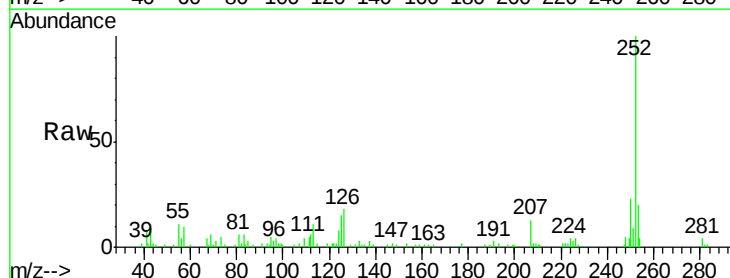
Tgt Ion:252 Resp: 31167

Ion Ratio Lower Upper

252 100

253 20.5 17.5 26.3

125 15.2 11.0 16.4



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

