

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080217\
 Data File : BF097287.D
 Acq On : 2 Aug 2017 21:39
 Operator : SJ/JU
 Sample : I4540-01 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 02 23:11:58 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 14:11:51 2017
 Response via : Initial Calibration

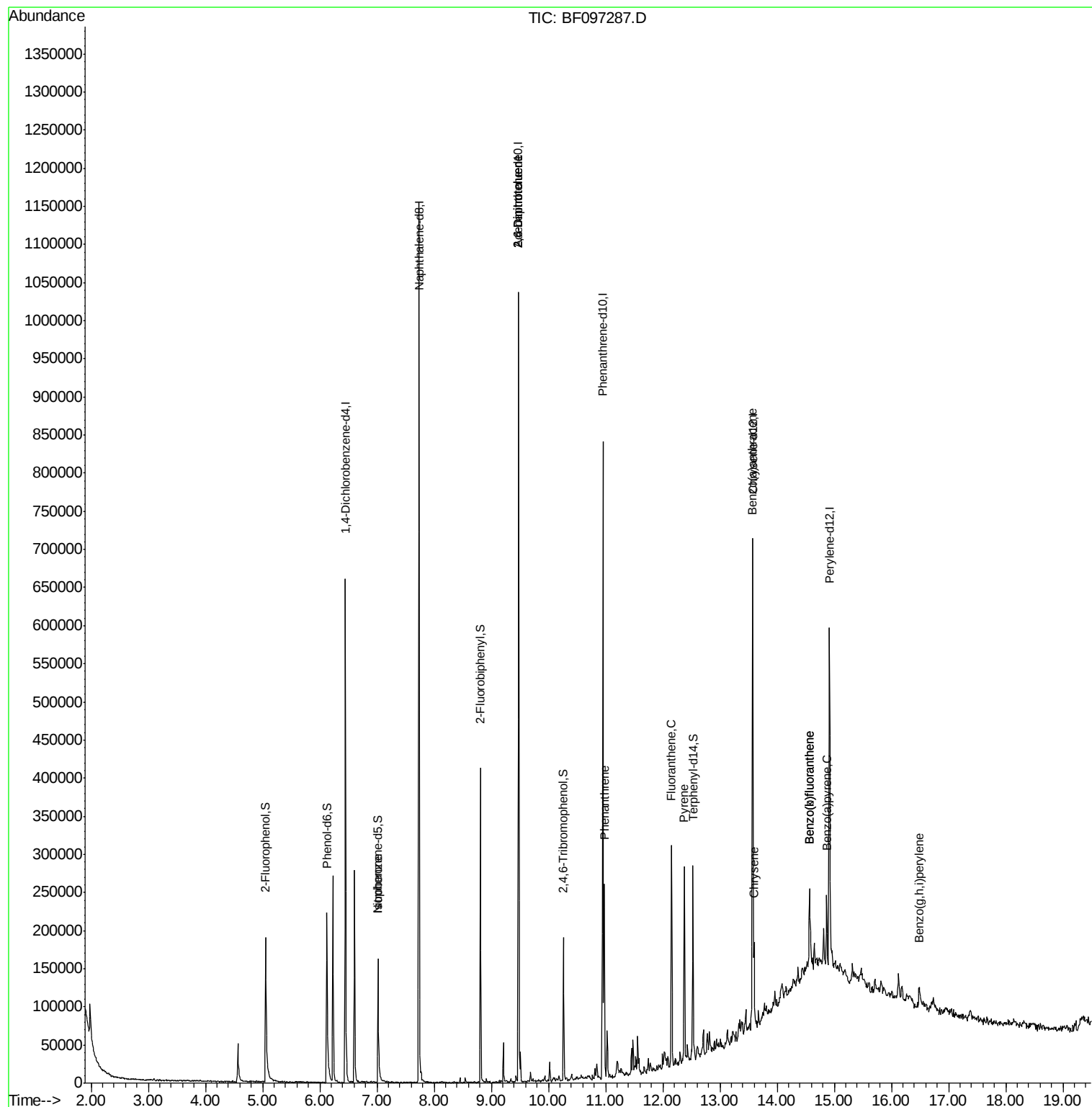
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.45	152	110266	20.00	ng	-0.05
21) Naphthalene-d8	7.73	136	488478	20.00	ng	-0.05
38) Acenaphthene-d10	9.47	164	206271	20.00	ng	-0.06
63) Phenanthrene-d10	10.95	188	295185	20.00	ng	-0.05
75) Chrysene-d12	13.57	240	203461	20.00	ng	-0.05
86) Perylene-d12	14.92	264	168752	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.05	112	91369	12.49	ng	-0.05
7) Phenol-d6	6.12	99	102018	12.22	ng	-0.05
23) Nitrobenzene-d5	7.02	82	60977	7.32	ng	-0.06
41) 2,4,6-Tribromophenol	10.26	330	18050	11.08	ng	-0.06
44) 2-Fluorobiphenyl	8.81	172	121749	10.02	ng	-0.06
78) Terphenyl-d14	12.53	244	68784	6.89	ng	-0.06
Target Compounds						
25) Isophorone	7.02	82	60977	3.74	ng	# 67
50) 2,6-Dinitrotoluene	9.47	165	26016	7.83	ng	# 34
56) 2,4-Dinitrotoluene	9.47	165	26016	6.81	ng	# 33
70) Phenanthrene	10.97	178	94149	5.95	ng	97
74) Fluoranthene	12.16	202	118859	7.67	ng	96
77) Pyrene	12.38	202	108008	6.48	ng	97
80) Benzo(a)anthracene	13.56	228	43975	3.34	ng	99
82) Chrysene	13.60	228	39372	3.06	ng	97
87) Benzo(b)fluoranthene	14.56	252	60356	5.95	ng	# 94
88) Benzo(k)fluoranthene	14.56	252	60356	6.24	ng	97
89) Benzo(a)pyrene	14.86	252	32376	3.49	ng	# 90
91) Benzo(a,h,i)perylene	16.49	276	16635	2.08	ng	# 89

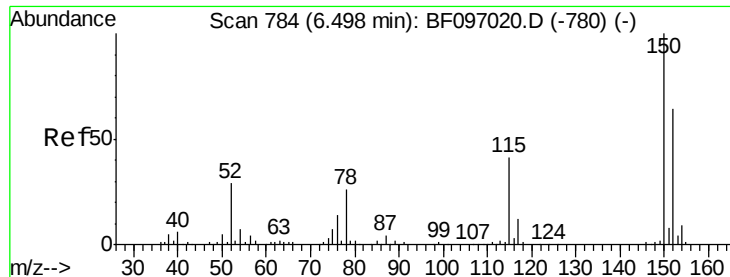
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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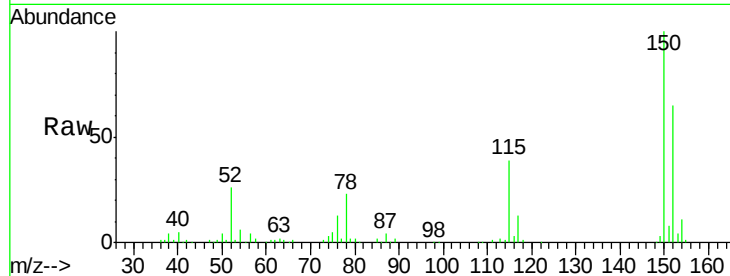


#1

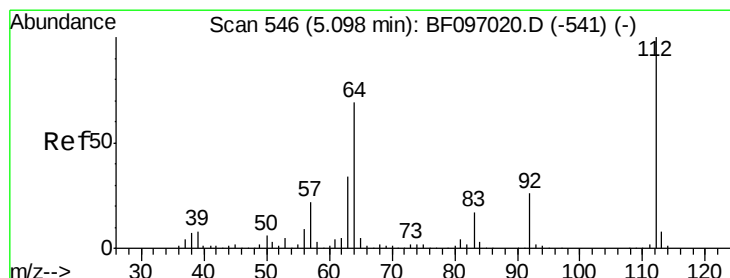
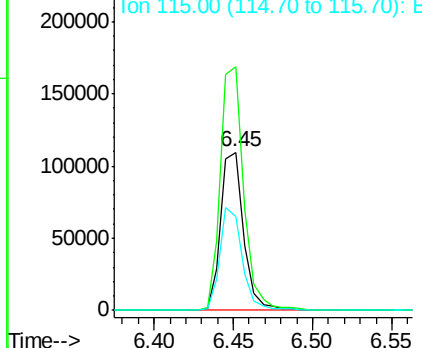
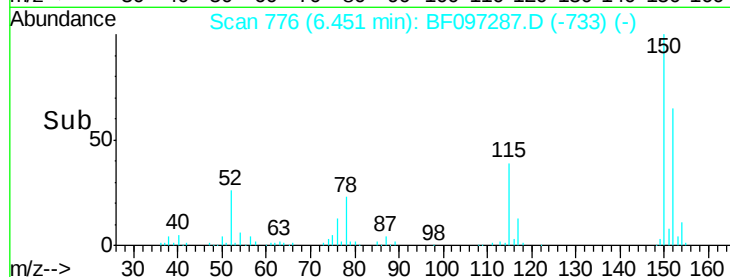
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.45 min Scan# 776
Delta R.T. -0.05 min
Lab File: BF097287.D
Acq: 2 Aug 2017 21:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 110266
Ion Ratio Lower Upper
152 100
150 154.1 126.2 189.2
115 59.4 52.2 78.2



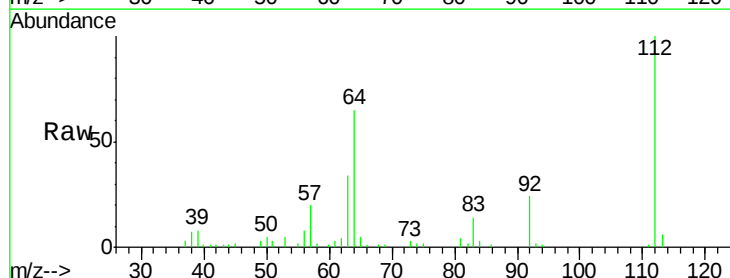
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



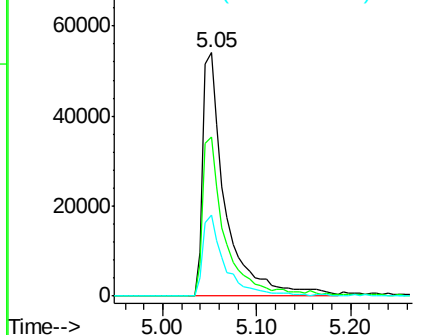
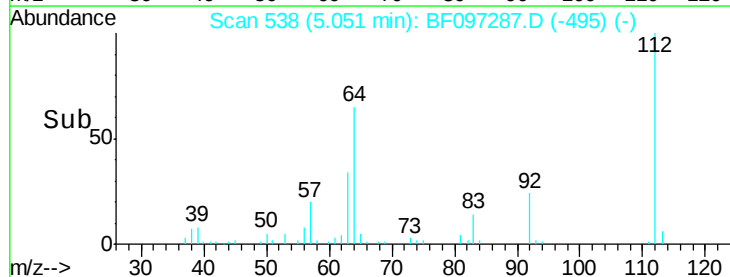
#5

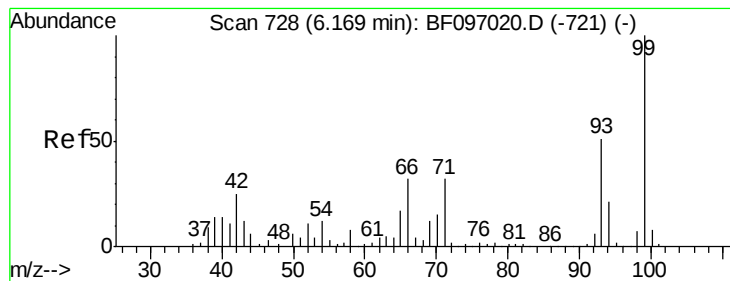
2-Fluorophenol
Concen: 12.49 ng
RT: 5.05 min Scan# 538
Delta R.T. -0.05 min
Lab File: BF097287.D
Acq: 2 Aug 2017 21:39

Tgt Ion:112 Resp: 91369
Ion Ratio Lower Upper
112 100
64 65.2 46.0 69.0
63 33.5 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: 12.22 ng

RT: 6.12 min Scan# 720

Delta R.T. -0.05 min

Lab File: BF097287.D

Acq: 2 Aug 2017 21:39

Instrument :

BNA_F

ClientSampled :

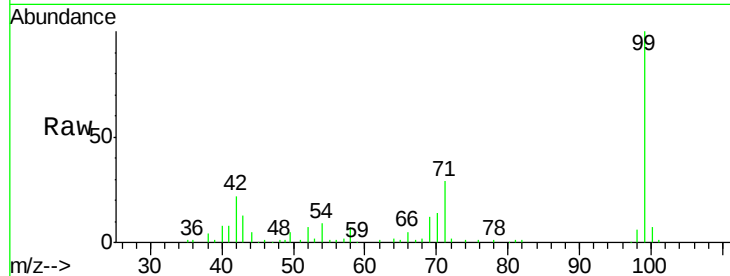
Tot Ion: 99 Resp: 102018

Ion Ratio Lower Upper

99 100

42 22.5 13.5 20.3#

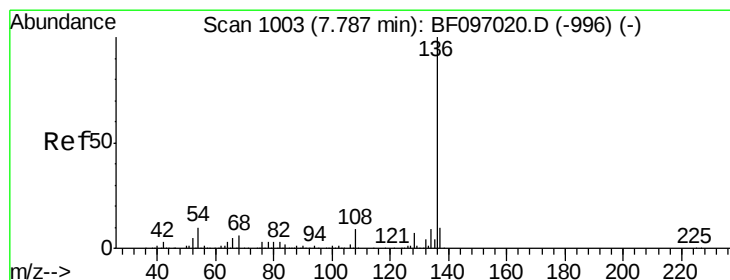
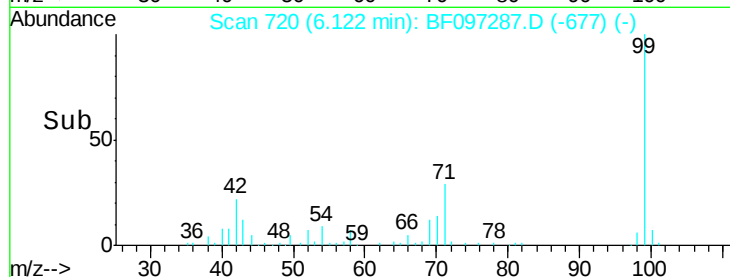
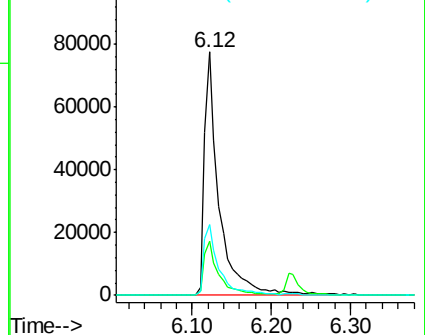
71 29.1 24.5 36.7



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.73 min Scan# 994

Delta R.T. -0.05 min

Lab File: BF097287.D

Acq: 2 Aug 2017 21:39

Tgt Ion: 136 Resp: 488478

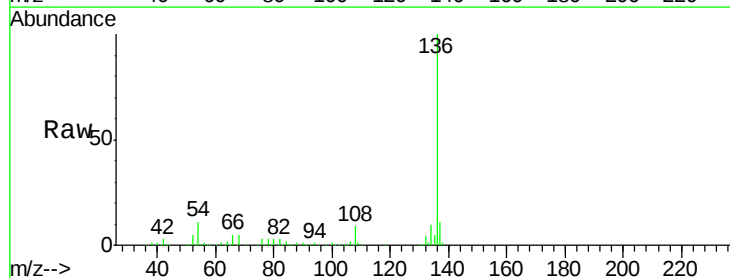
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 10.5 4.9 7.3#

68 5.4 4.1 6.1

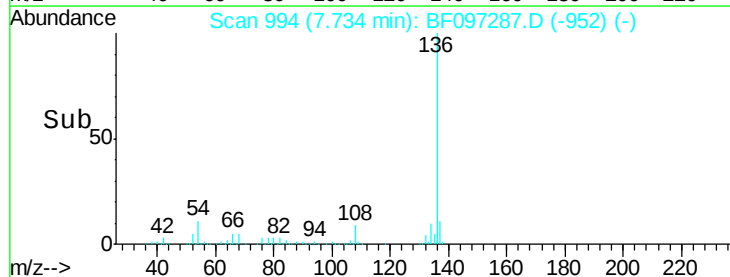
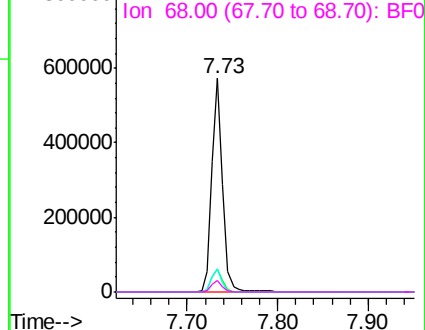


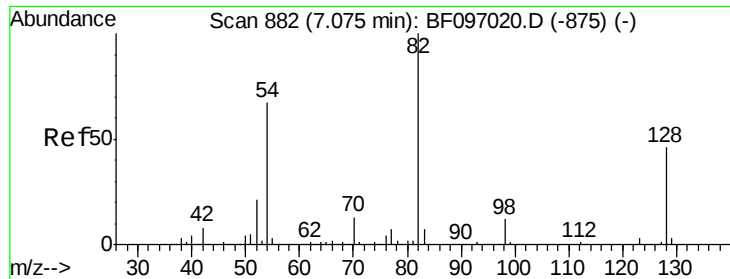
Abundance Ion 136.00 (135.70 to 136.70): E

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

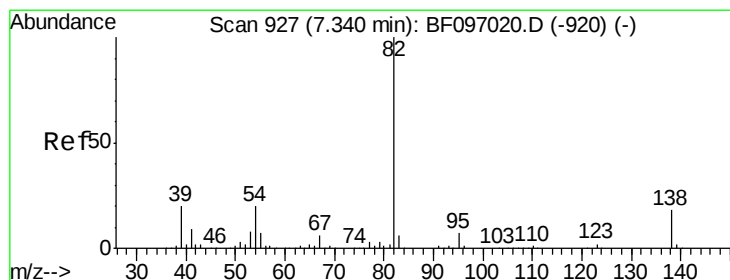
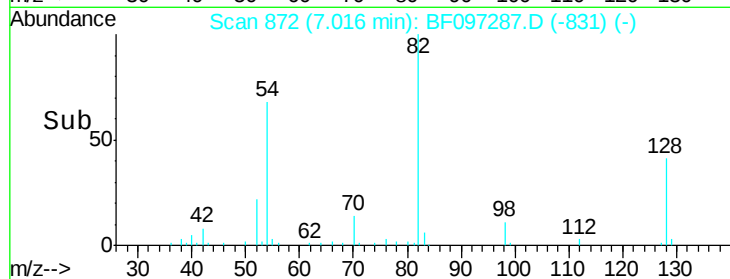
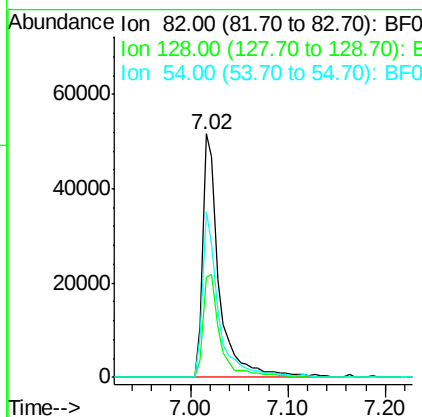
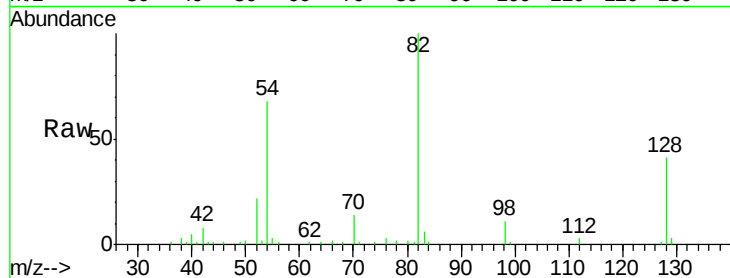




#23
 Nitrobenzene-d5
 Concen: 7.32 ng
 RT: 7.02 min Scan# 872
 Delta R.T. -0.06 min
 Lab File: BF097287.D
 Acq: 2 Aug 2017 21:39

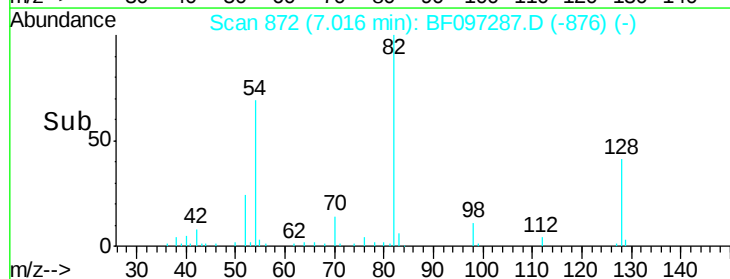
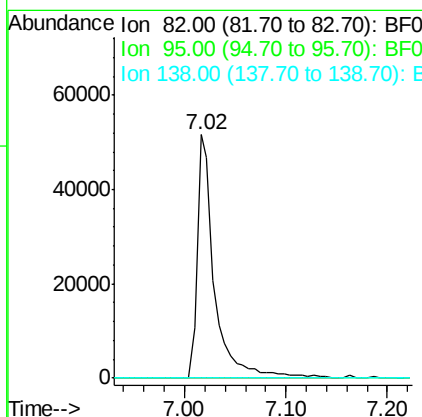
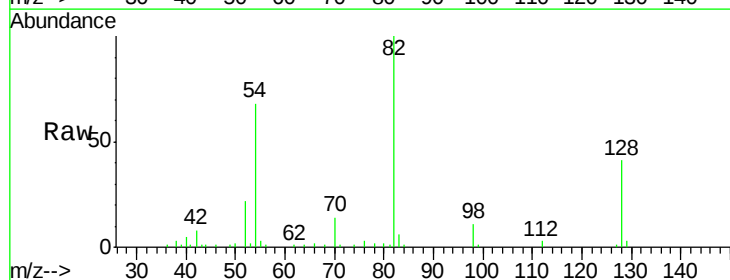
Instrument :
 BNA_F
 ClientSampleId :

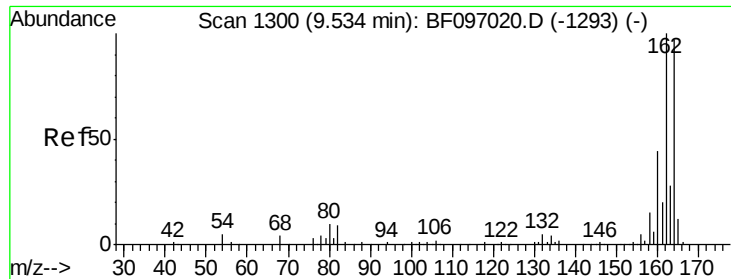
Tot Ion: 82 Resp: 60977
 Ion Ratio Lower Upper
 82 100
 128 40.9 34.0 51.0
 54 68.1 42.2 63.2#



#25
 Isophorone
 Concen: 3.74 ng
 RT: 7.02 min Scan# 872
 Delta R.T. -0.32 min
 Lab File: BF097287.D
 Acq: 2 Aug 2017 21:39

Tgt Ion: 82 Resp: 60977
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.3 7.9#
 138 0.0 13.1 19.7#

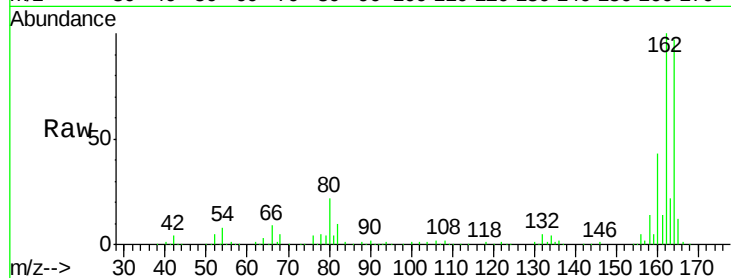




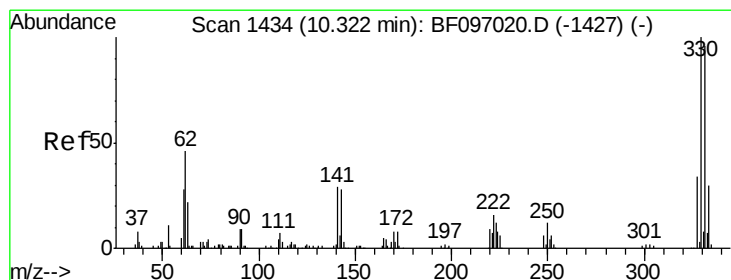
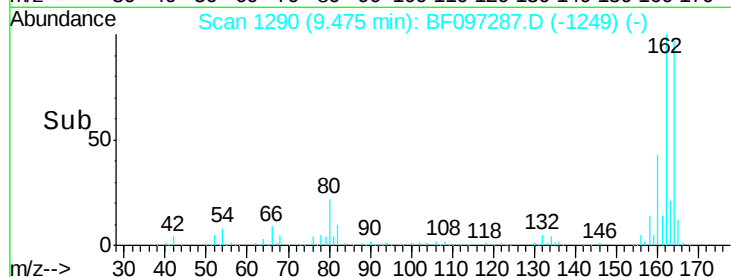
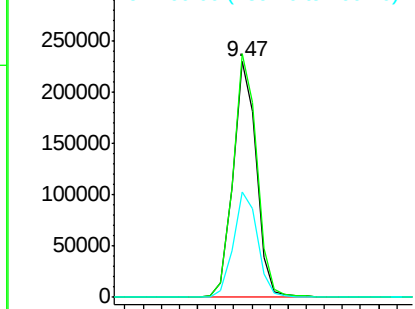
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.47 min Scan# 1290
 Delta R.T. -0.06 min
 Lab File: BF097287.D
 Acq: 2 Aug 2017 21:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 206271
 Ion Ratio Lower Upper
 164 100
 162 103.4 82.6 123.8
 160 44.8 36.2 54.2

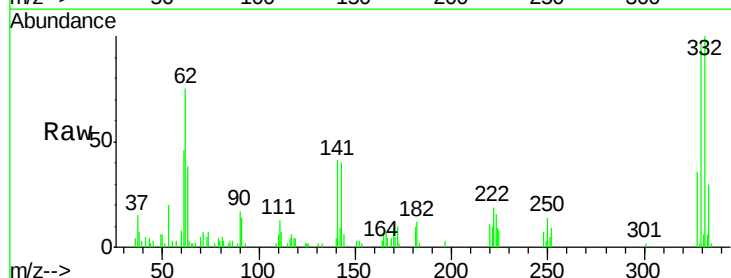


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

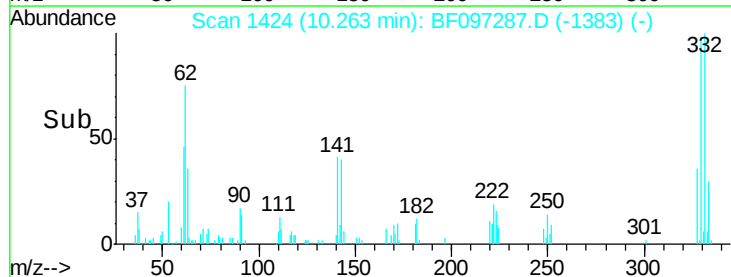
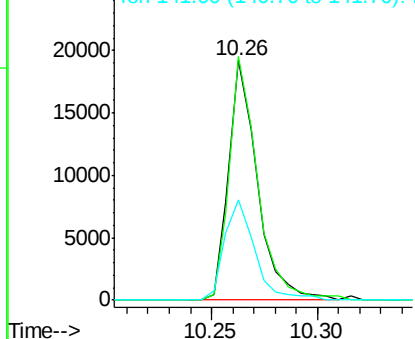


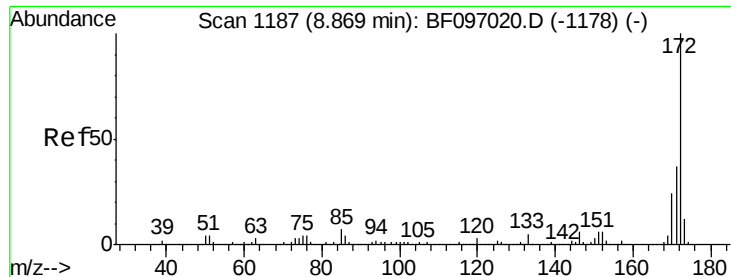
#41
 2,4,6-Tribromophenol
 Concen: 11.08 ng
 RT: 10.26 min Scan# 1424
 Delta R.T. -0.06 min
 Lab File: BF097287.D
 Acq: 2 Aug 2017 21:39

Tgt Ion:330 Resp: 18050
 Ion Ratio Lower Upper
 330 100
 332 100.6 76.6 115.0
 141 44.1 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

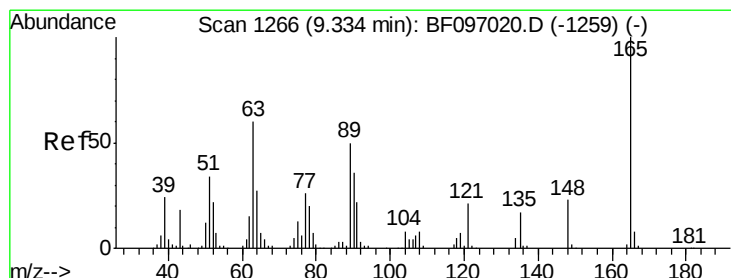
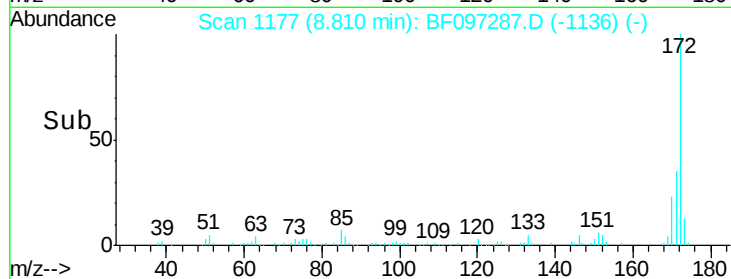
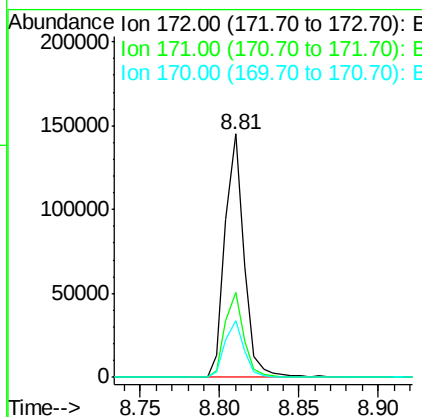
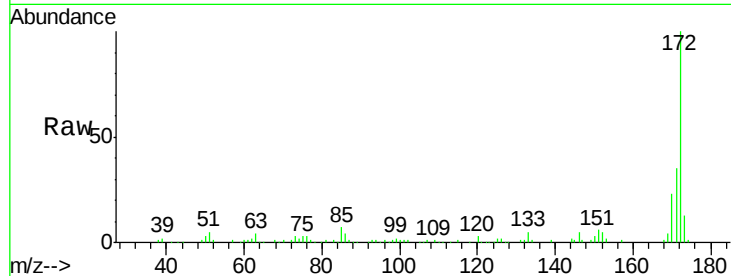




#44
 2-Fluorobiphenyl
 Concen: 10.02 ng
 RT: 8.81 min Scan# 1177
 Delta R.T. -0.06 min
 Lab File: BF097287.D
 Acq: 2 Aug 2017 21:39

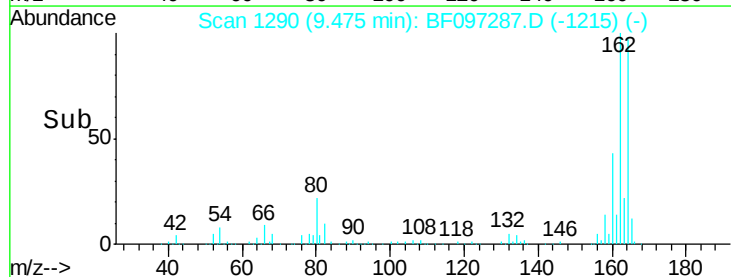
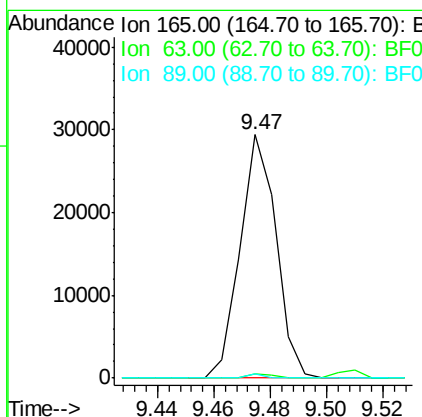
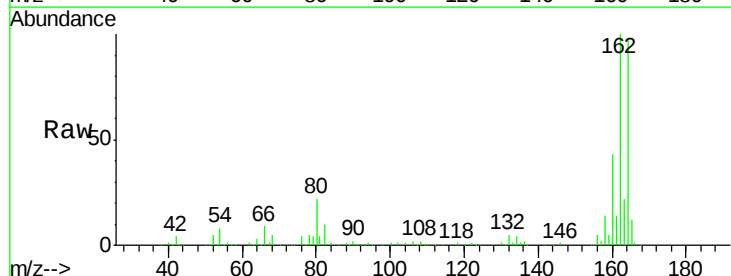
Instrument :
 BNA_F
 ClientSampleId :

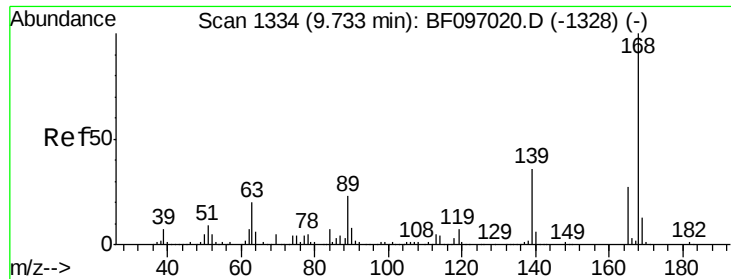
Tot Ion	Ratio	Lower	Upper
172	100		
171	34.7	29.6	44.4
170	23.5	19.8	29.8



#50
 2,6-Dinitrotoluene
 Concen: 7.83 ng
 RT: 9.47 min Scan# 1290
 Delta R.T. 0.14 min
 Lab File: BF097287.D
 Acq: 2 Aug 2017 21:39

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	34.3	51.5#
89	1.6	37.1	55.7#

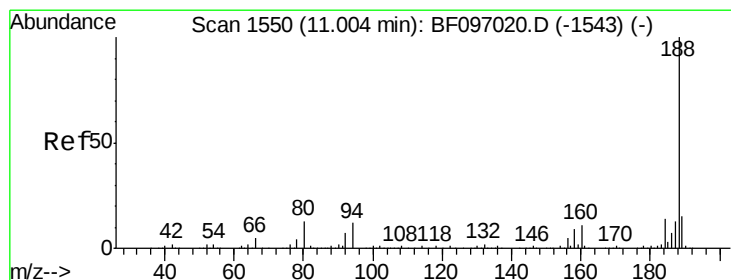
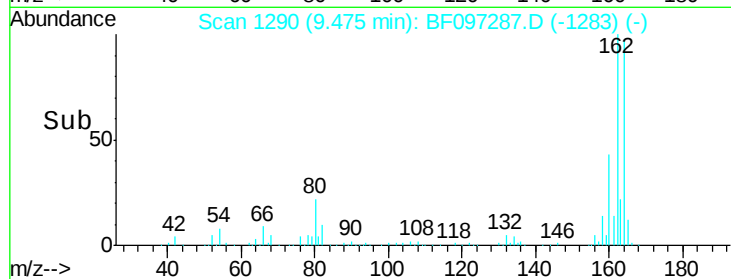
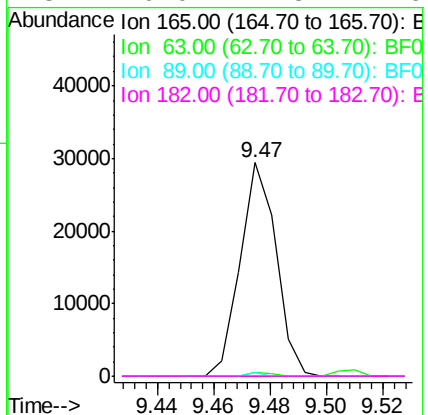
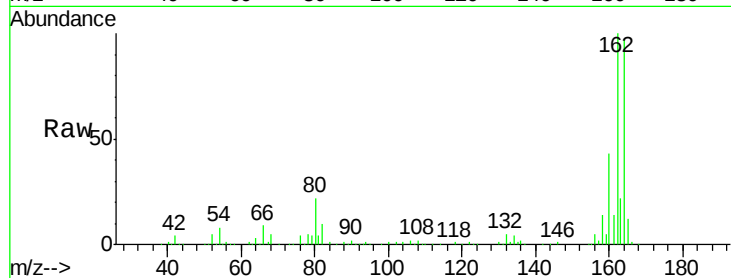




#56
 2,4-Dinitrotoluene
 Concen: 6.81 ng
 RT: 9.47 min Scan# 1290
 Delta R.T. -0.26 min
 Lab File: BF097287.D
 Acq: 2 Aug 2017 21:39

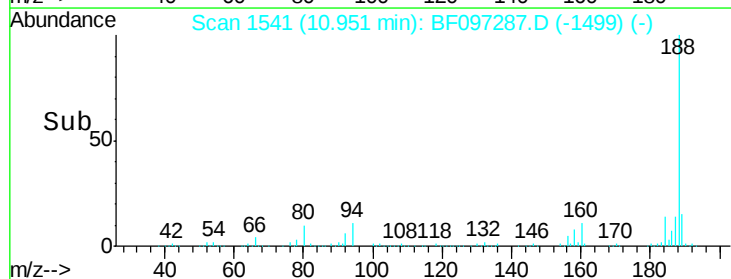
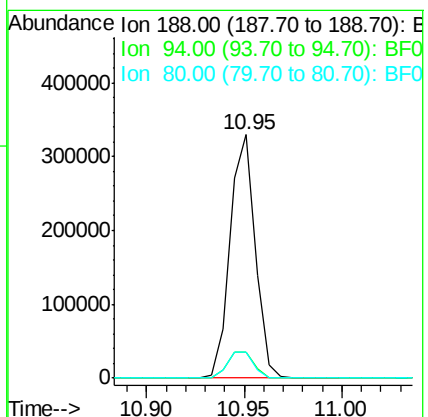
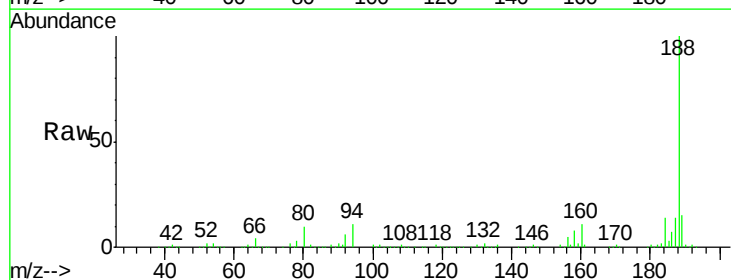
Instrument :
 BNA_F
 ClientSampleId :

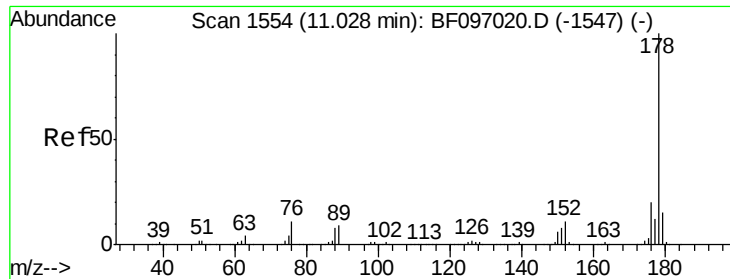
Tot Ion:165 Resp: 26016
 Ion Ratio Lower Upper
 165 100
 63 1.8 25.4 38.0#
 89 1.6 46.4 69.6#
 182 0.0 1.8 2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 10.95 min Scan# 1541
 Delta R.T. -0.05 min
 Lab File: BF097287.D
 Acq: 2 Aug 2017 21:39

Tgt Ion:188 Resp: 295185
 Ion Ratio Lower Upper
 188 100
 94 10.7 9.4 14.2
 80 10.5 10.2 15.2





#70

Phenanthrene

Concen: 5.95 ng

RT: 10.97 min Scan# 1545

Delta R.T. -0.05 min

Lab File: BF097287.D

Acq: 2 Aug 2017 21:39

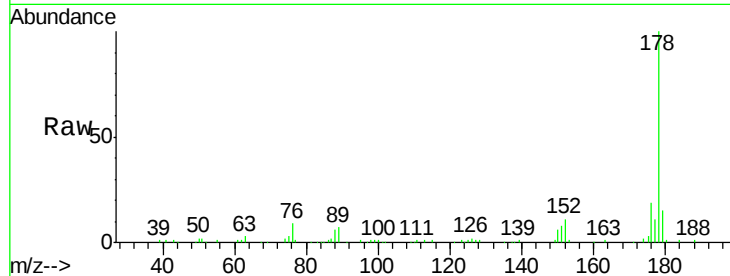
Instrument :

BNA_F

ClientSampled :

Tot Ion:178 Resp: 94149

Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.2	24.4
179	14.6	12.6	19.0

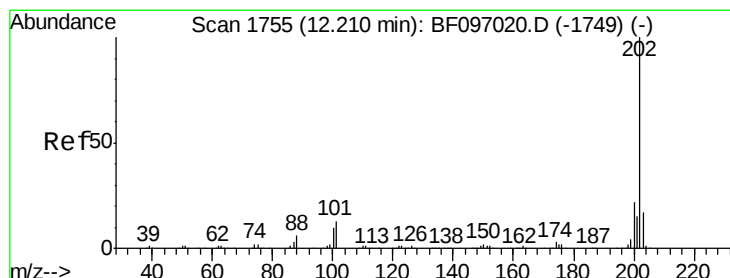
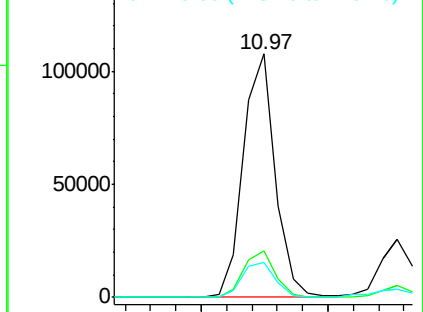
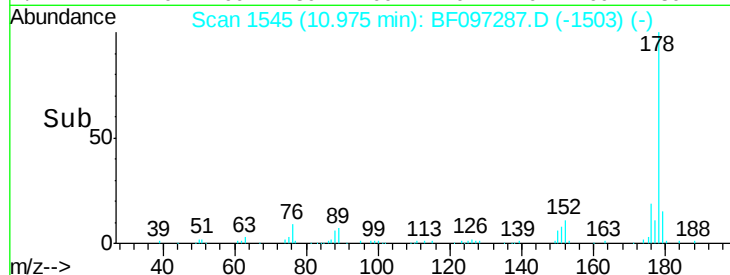


Abundance

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



#74

Fluoranthene

Concen: 7.67 ng

RT: 12.16 min Scan# 1746

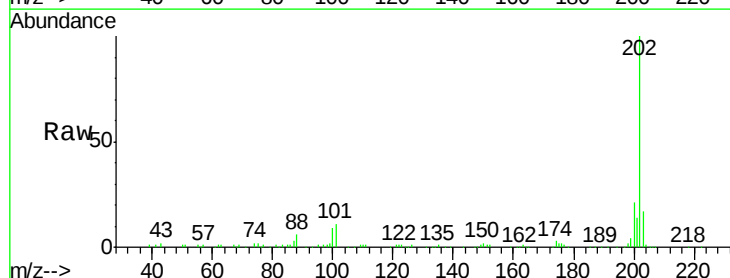
Delta R.T. -0.05 min

Lab File: BF097287.D

Acq: 2 Aug 2017 21:39

Tgt Ion:202 Resp: 118859

Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	33.2
203	17.2	0.0	38.1

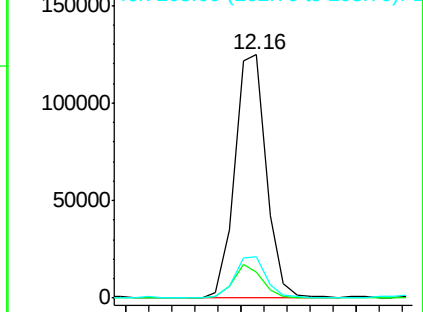
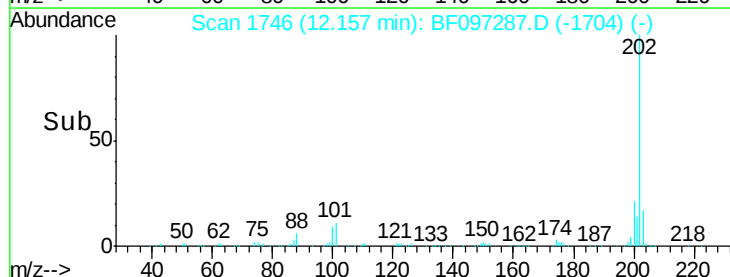


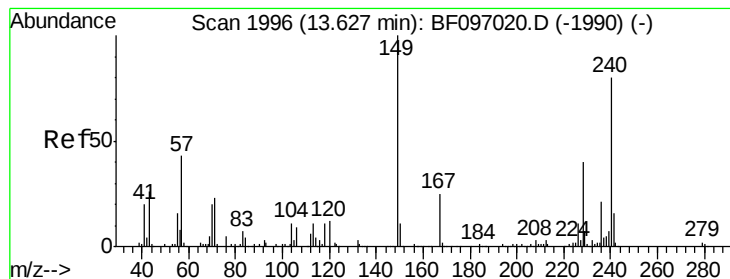
Abundance

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: 13.57 min Scan# 1987

Delta R.T. -0.05 min

Lab File: BF097287.D

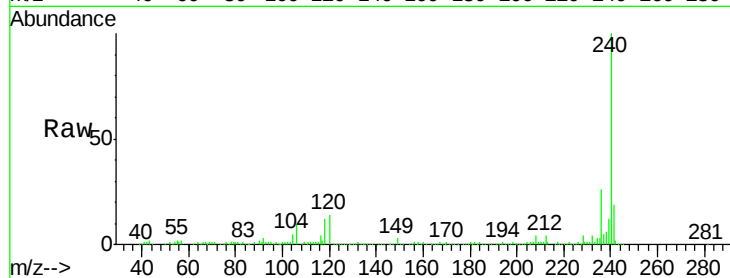
Acq: 2 Aug 2017 21:39

Instrument :

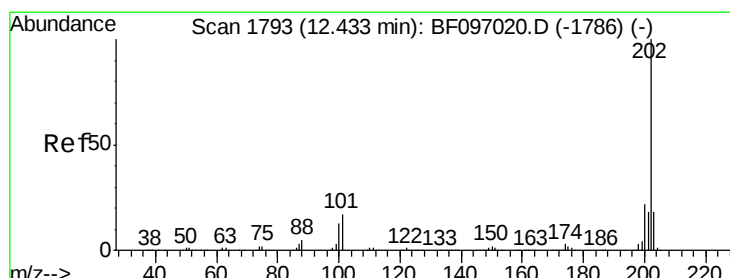
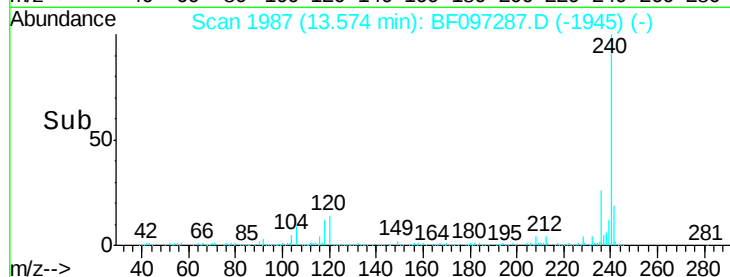
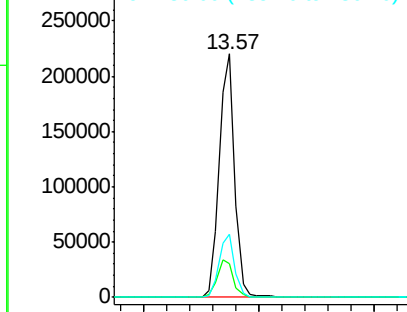
BNA_F

ClientSampled :

Tot Ion:	240	Resp:	203461
Ion Ratio	Lower	Upper	
240	100		
120	13.9	5.8	8.8#
236	25.7	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: 6.48 ng

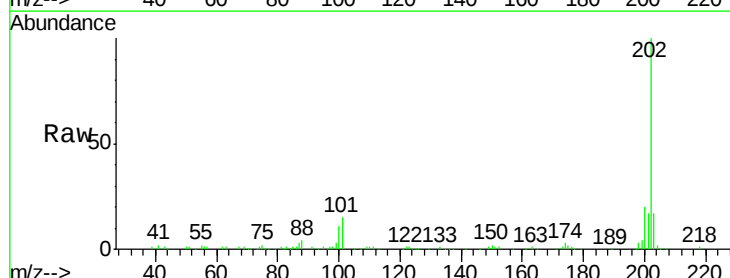
RT: 12.38 min Scan# 1784

Delta R.T. -0.05 min

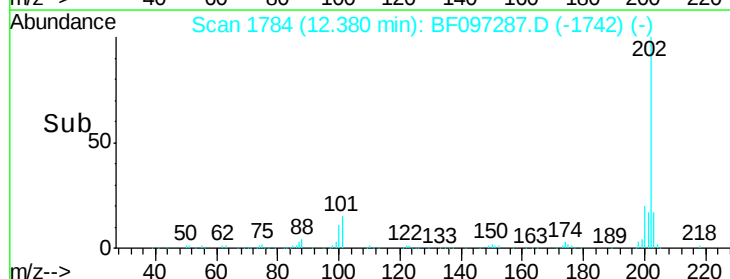
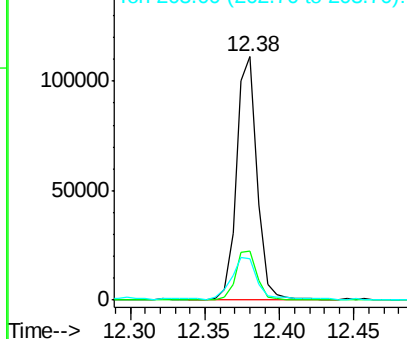
Lab File: BF097287.D

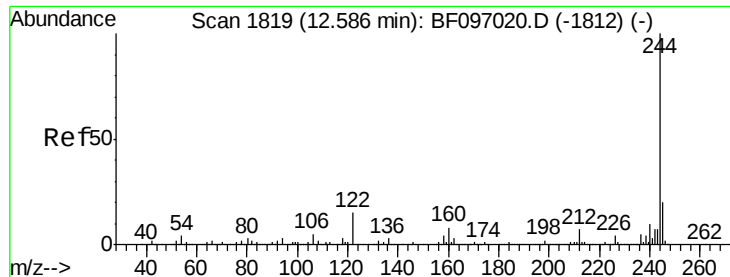
Acq: 2 Aug 2017 21:39

Tgt Ion:	202	Resp:	108008
Ion Ratio	Lower	Upper	
202	100		
200	20.3	17.6	26.4
203	16.9	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: 6.89 ng

RT: 12.53 min Scan# 1809

Delta R.T. -0.06 min

Lab File: BF097287.D

Acq: 2 Aug 2017 21:39

Instrument :

BNA_F

ClientSampleId :

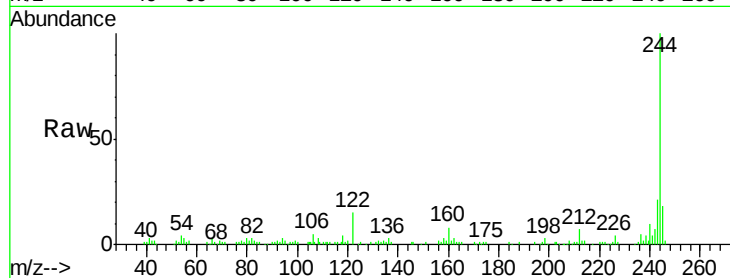
Tot Ion:244 Resp: 68784

Ion Ratio Lower Upper

244 100

212 6.5 6.0 9.0

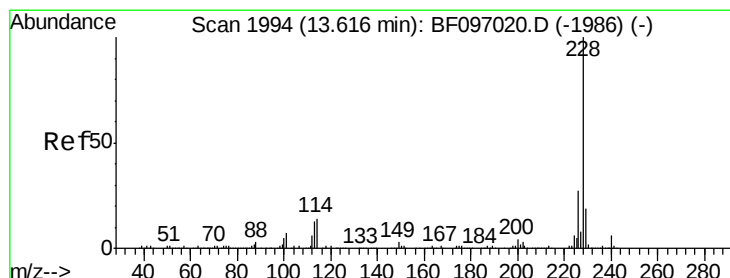
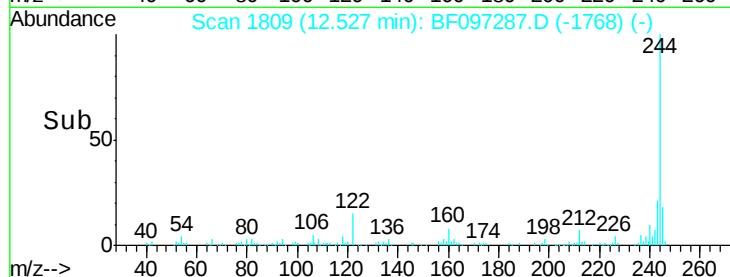
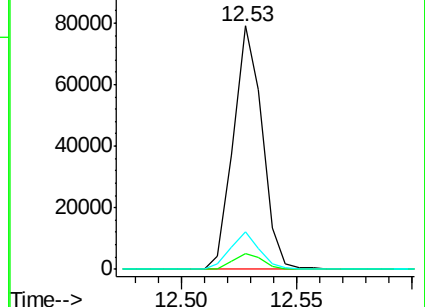
122 15.3 10.3 15.5



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: 3.34 ng

RT: 13.56 min Scan# 1985

Delta R.T. -0.05 min

Lab File: BF097287.D

Acq: 2 Aug 2017 21:39

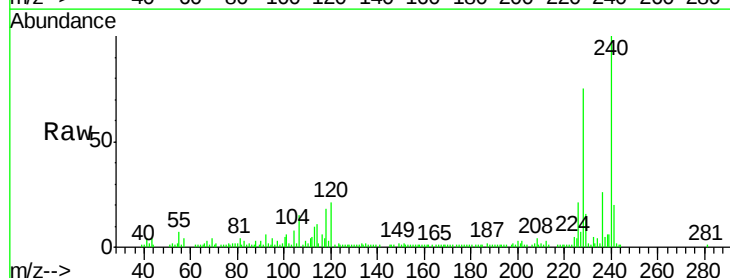
Tgt Ion:228 Resp: 43975

Ion Ratio Lower Upper

228 100

226 28.3 22.6 33.8

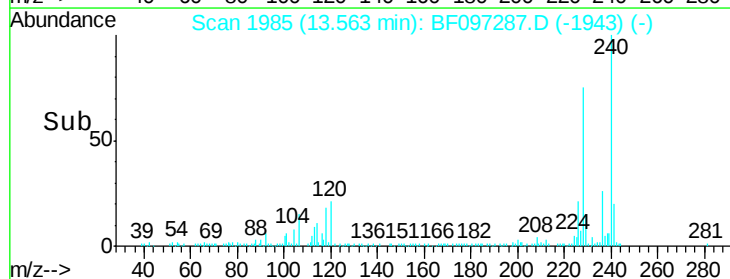
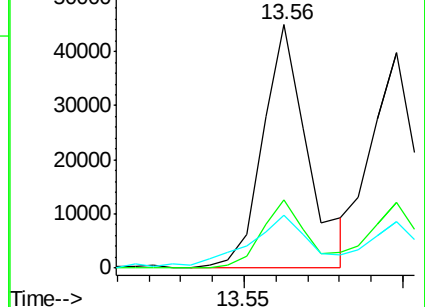
229 21.8 16.3 24.5

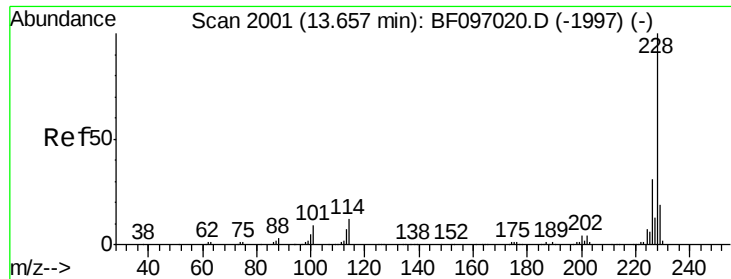


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

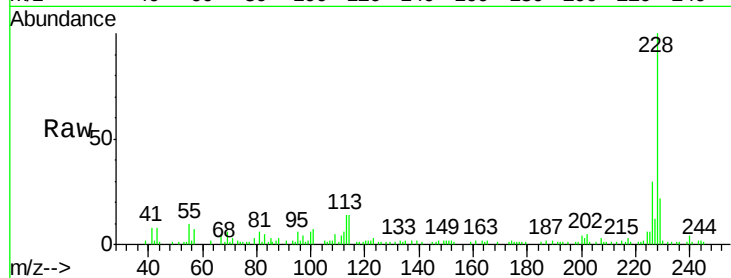




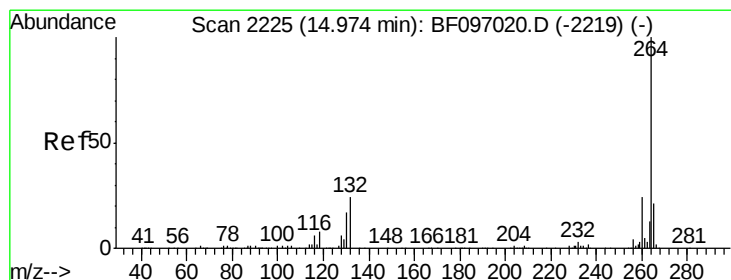
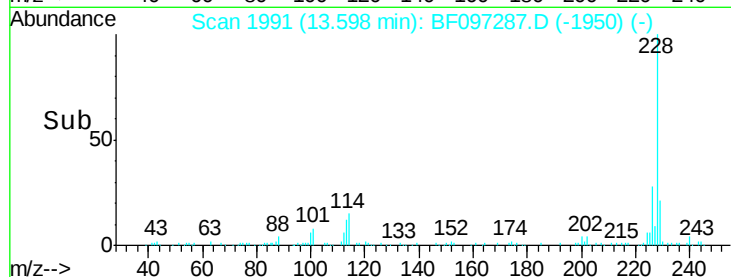
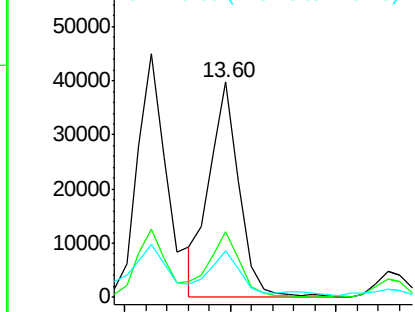
#82
Chrysene
Concen: 3.06 ng
RT: 13.60 min Scan# 1991
Delta R.T. -0.06 min
Lab File: BF097287.D
Acq: 2 Aug 2017 21:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 39372
Ion Ratio Lower Upper
228 100
226 30.3 24.9 37.3
229 21.6 15.8 23.6

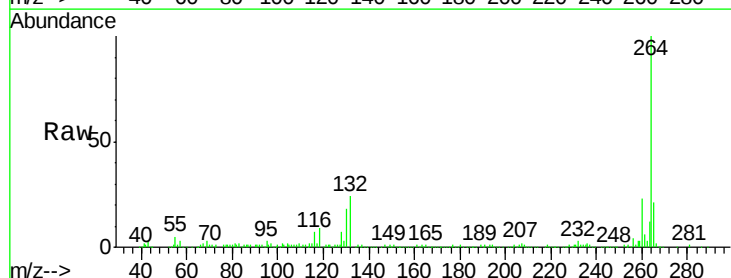


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

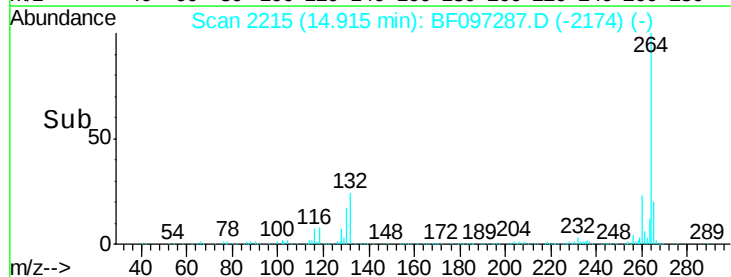
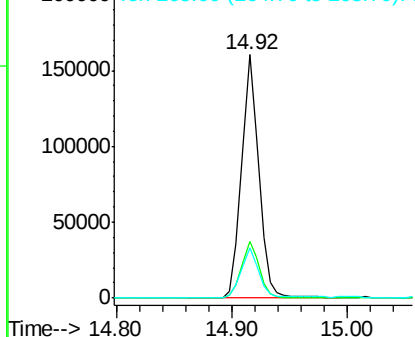


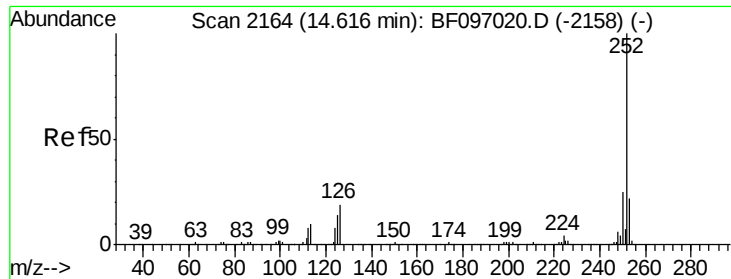
#86
Perylene-d12
Concen: 20.00 ng
RT: 14.92 min Scan# 2215
Delta R.T. -0.06 min
Lab File: BF097287.D
Acq: 2 Aug 2017 21:39

Tgt Ion:264 Resp: 168752
Ion Ratio Lower Upper
264 100
260 23.3 19.5 29.3
265 20.7 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: 5.95 ng

RT: 14.56 min Scan# 2155

Delta R.T. -0.05 min

Lab File: BF097287.D

Acq: 2 Aug 2017 21:39

Instrument :

BNA_F

ClientSampled :

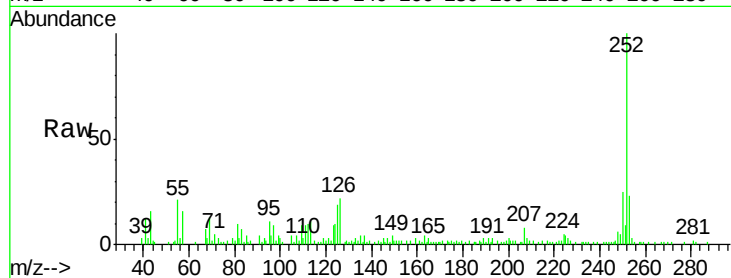
Tot Ion:252 Resp: 60356

Ion Ratio Lower Upper

252 100

253 22.9 18.1 27.1

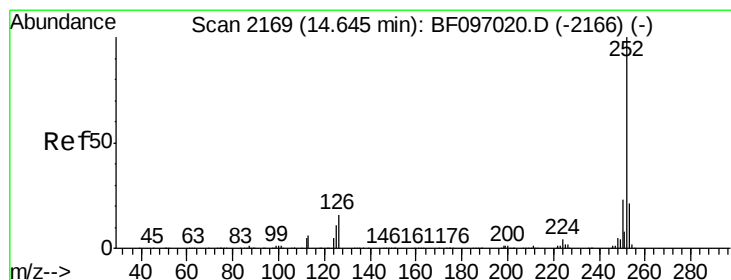
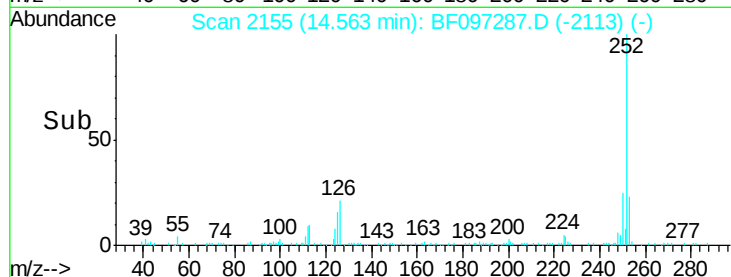
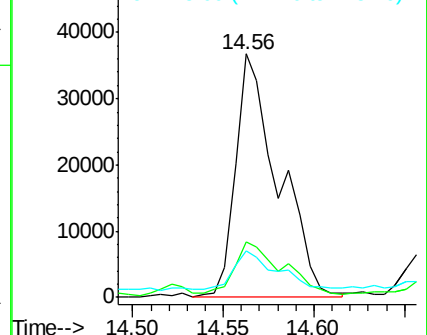
125 19.0 9.8 14.8#



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: 6.24 ng

RT: 14.56 min Scan# 2155

Delta R.T. -0.08 min

Lab File: BF097287.D

Acq: 2 Aug 2017 21:39

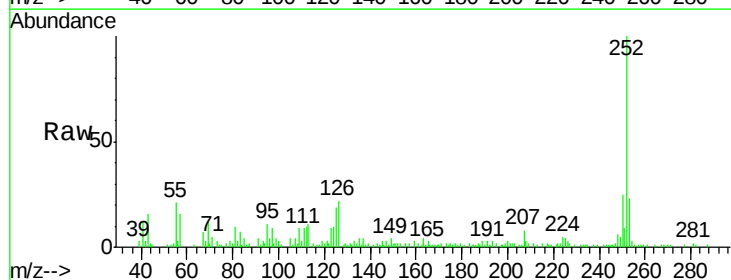
Tgt Ion:252 Resp: 60356

Ion Ratio Lower Upper

252 100

253 22.9 18.4 27.6

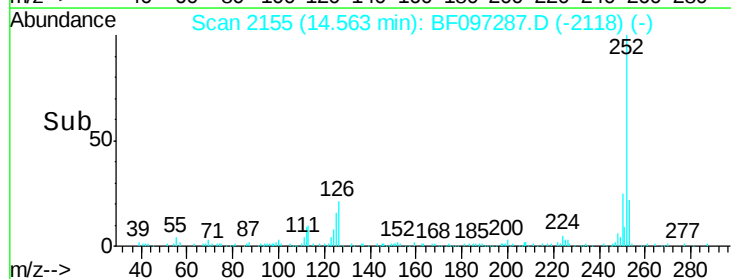
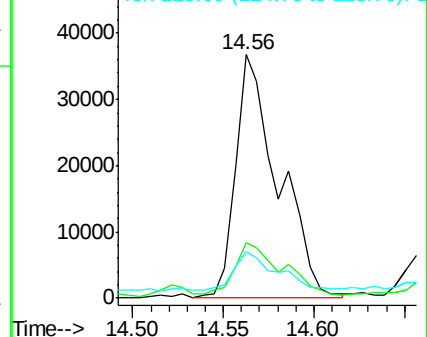
125 19.0 13.1 19.7

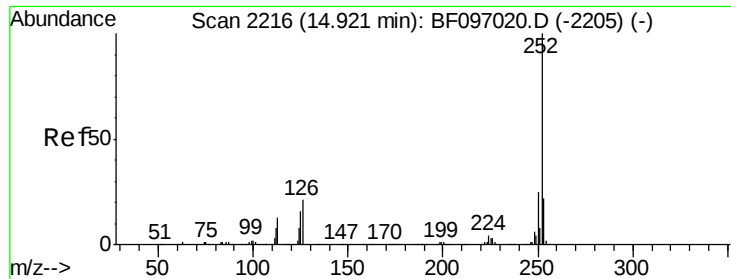


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

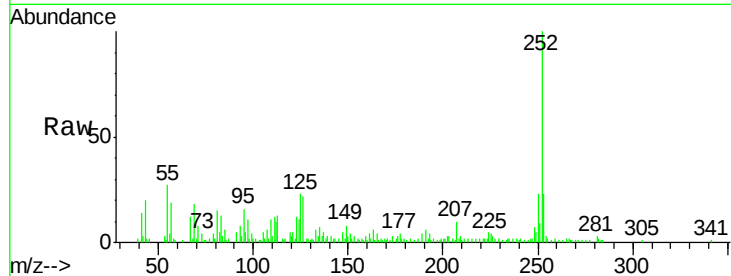




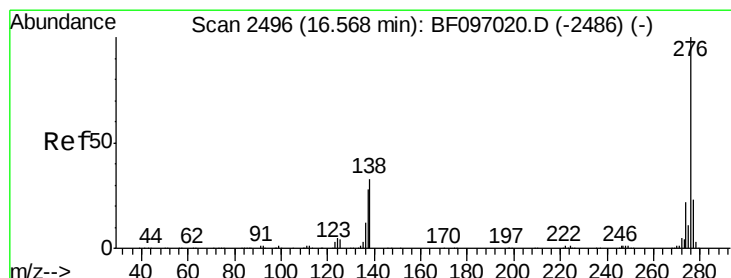
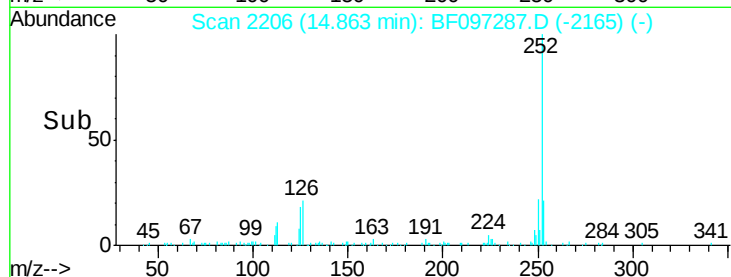
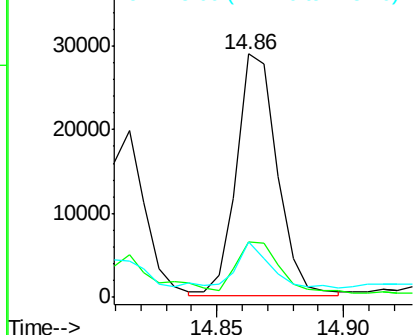
#89
Benzo(a)pyrene
Concen: 3.49 ng
RT: 14.86 min Scan# 2206
Delta R.T. -0.06 min
Lab File: BF097287.D
Acq: 2 Aug 2017 21:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 32376
Ion Ratio Lower Upper
252 100
253 22.8 17.5 26.3
125 22.6 11.0 16.4#

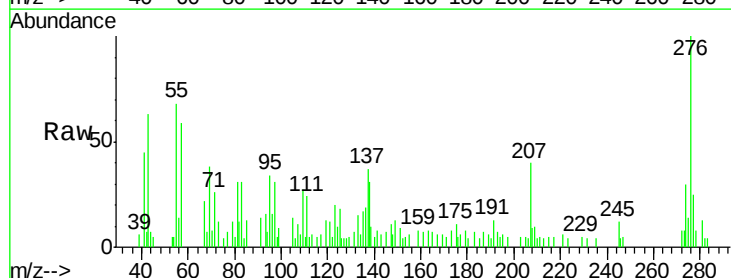


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 2.08 ng
RT: 16.49 min Scan# 2482
Delta R.T. -0.08 min
Lab File: BF097287.D
Acq: 2 Aug 2017 21:39

Tgt Ion:276 Resp: 16635
Ion Ratio Lower Upper
276 100
277 24.7 18.6 28.0
138 41.4 25.4 38.0#



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

