

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082117\
 Data File : BF097905.D
 Acq On : 21 Aug 2017 14:35
 Operator : SJ/JU
 Sample : I4879-01 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 6706-AA-081717

Quant Time: Aug 22 01:09:04 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	120948	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	454735	20.00	ng	0.00
38) Acenaphthene-d10	9.78	164	179880	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	289518	20.00	ng	0.00
75) Chrysene-d12	13.89	240	261385	20.00	ng	0.00
86) Perylene-d12	15.32	264	206398	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	181688	22.85	ng	0.00
7) Phenol-d6	6.37	99	245569	22.73	ng	-0.02
23) Nitrobenzene-d5	7.30	82	143455	17.14	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	29522	18.92	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	224062	18.30	ng	0.00
78) Terphenyl-d14	12.84	244	149327	11.91	ng	0.00

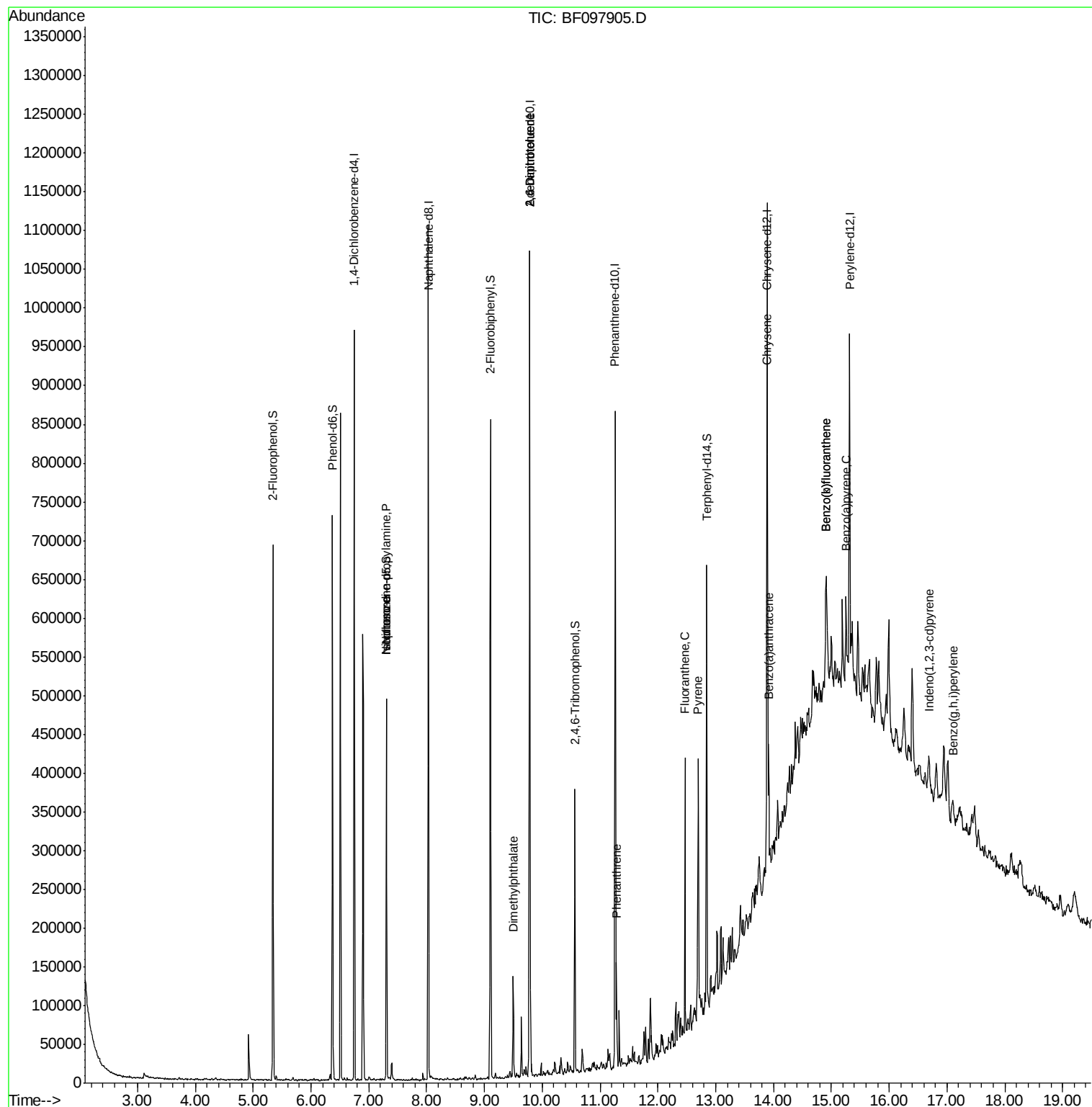
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.30	70	19286	2.61	ng	# 74
25) Isophorone	7.30	82	142847	8.21	ng	# 67
49) Dimethylphthalate	9.50	163	38318	2.91	ng	100
50) 2,6-Dinitrotoluene	9.78	165	23138	8.82	ng	# 34
56) 2,4-Dinitrotoluene	9.78	165	23138	7.02	ng	# 34
70) Phenanthrene	11.29	178	45466	2.95	ng	98
74) Fluoranthene	12.47	202	121354	7.54	ng	99
77) Pyrene	12.70	202	128007	5.99	ng	96
80) Benzo(a)anthracene	13.92	228	57190	3.65	ng	92
82) Chrysene	13.88	228	64073	4.11	ng	92
85) Indeno(1,2,3-cd)pyrene	16.69	276	25369	2.21	ng	# 89
87) Benzo(b)fluoranthene	14.91	252	93678	7.20	ng	# 88
88) Benzo(k)fluoranthene	14.91	252	93678	7.66	ng	93
89) Benzo(a)pyrene	15.25	252	51835	4.50	ng	# 91
91) Benzo(a,h,i)perylene	17.10	276	24181	2.47	ng	# 93

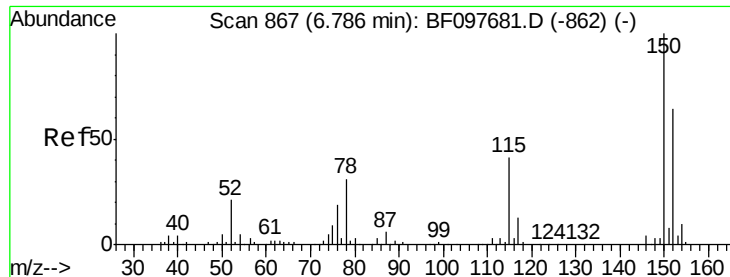
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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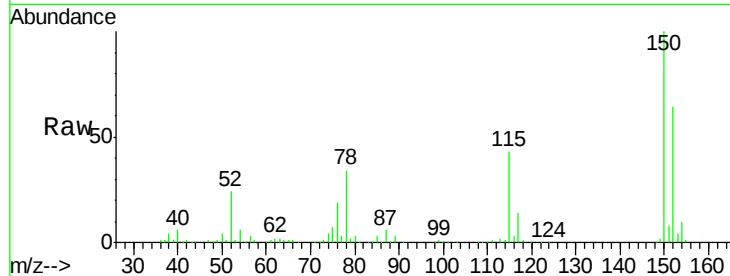


#1

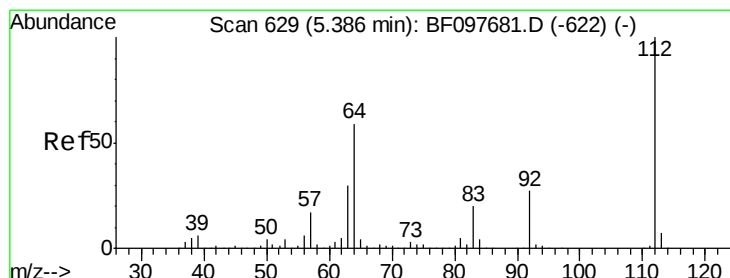
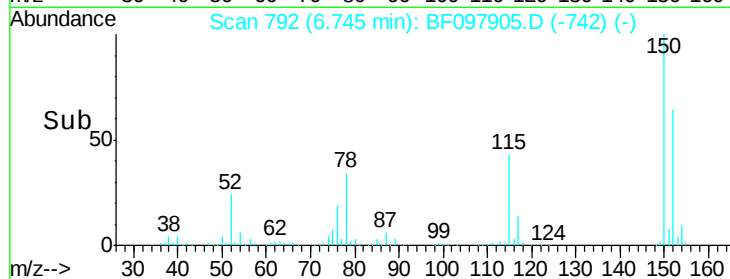
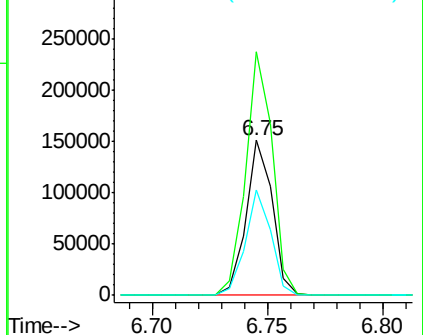
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.75 min Scan# 792
 Delta R.T. -0.01 min
 Lab File: BF097905.D
 Acq: 21 Aug 2017 14:35

Instrument :
 BNA_F
 ClientSampleId :
 6706-AA-081717

Tot Ion:152 Resp: 120948
 Ion Ratio Lower Upper
 152 100
 150 157.1 126.2 189.2
 115 68.0 52.2 78.2



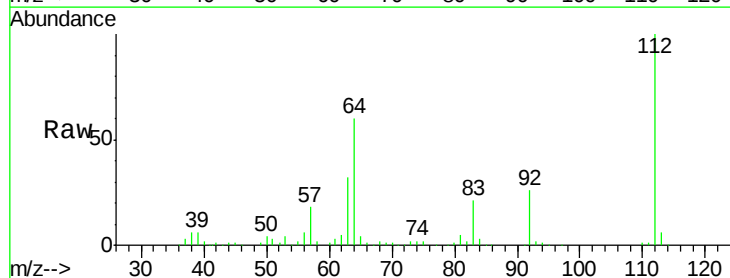
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



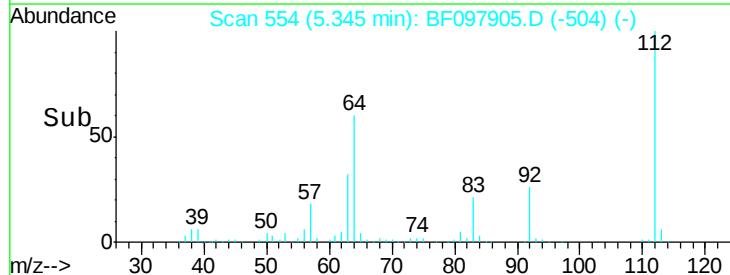
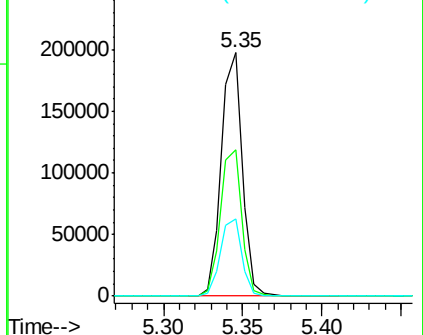
#5

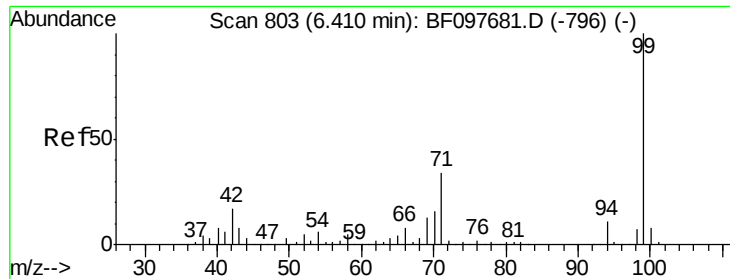
2-Fluorophenol
 Concen: 22.85 ng
 RT: 5.35 min Scan# 554
 Delta R.T. -0.01 min
 Lab File: BF097905.D
 Acq: 21 Aug 2017 14:35

Tgt Ion:112 Resp: 181688
 Ion Ratio Lower Upper
 112 100
 64 60.3 46.0 69.0
 63 31.6 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: 22.73 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.02 min

Lab File: BF097905.D

Acq: 21 Aug 2017 14:35

Instrument :

BNA_F

ClientSampleId :

6706-AA-081717

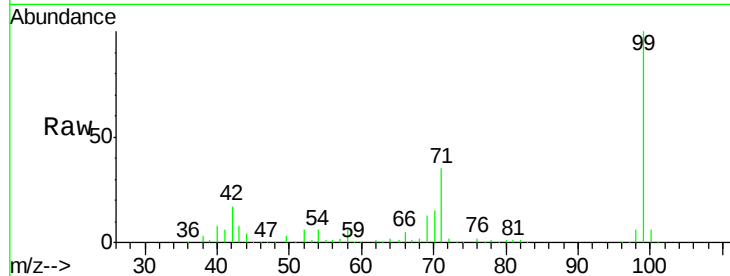
Tot Ion: 99 Resp: 245569

Ion Ratio Lower Upper

99 100

42 17.1 13.5 20.3

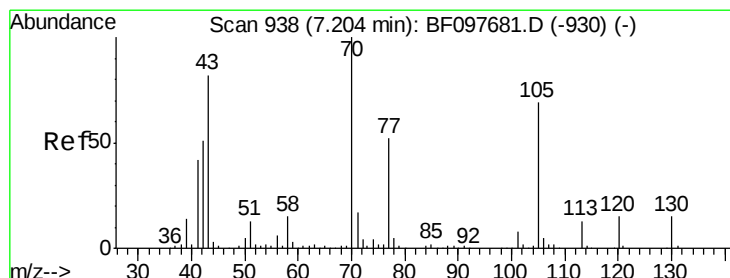
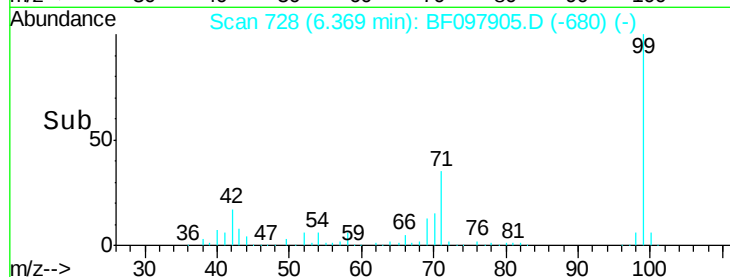
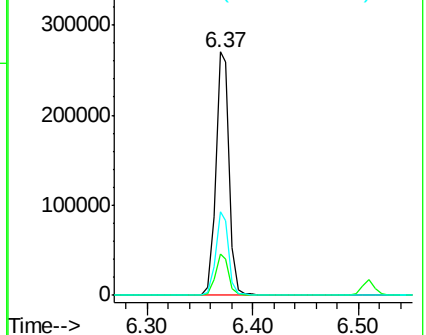
71 34.5 24.5 36.7



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: 2.61 ng

RT: 7.30 min Scan# 887

Delta R.T. 0.13 min

Lab File: BF097905.D

Acq: 21 Aug 2017 14:35

Tgt Ion: 70 Resp: 19286

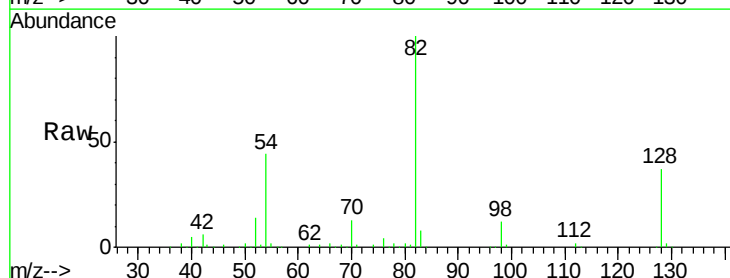
Ion Ratio Lower Upper

70 100

42 42.2 47.2 70.8#

101 0.0 7.2 10.8#

130 2.1 15.9 23.9#

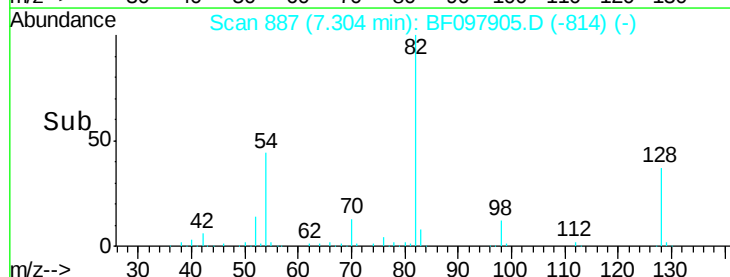
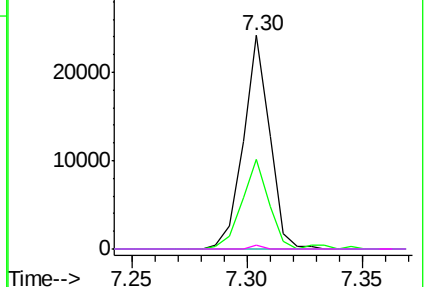


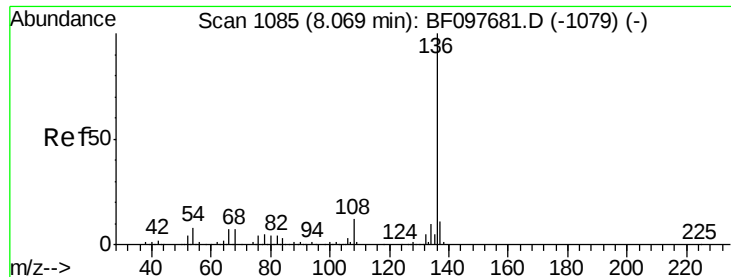
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 20.00 ng

RT: 8.03 min Scan# 1010

Delta R.T. -0.01 min

Lab File: BF097905.D

Acq: 21 Aug 2017 14:35

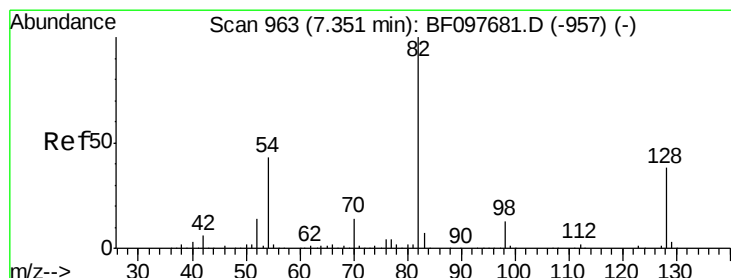
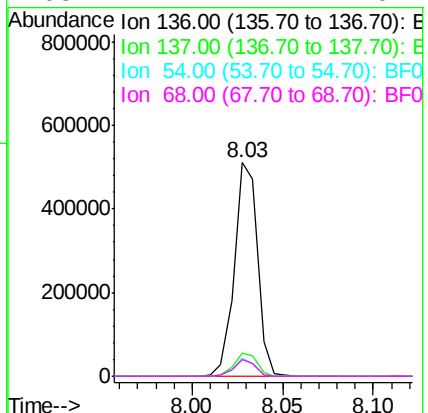
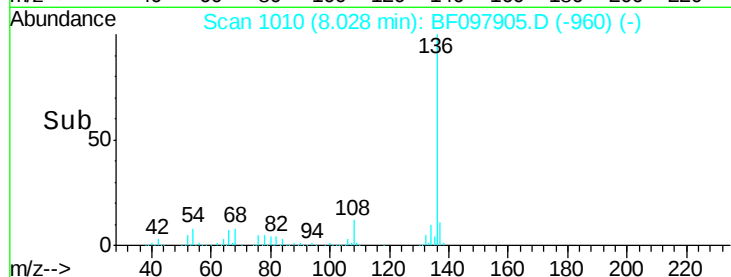
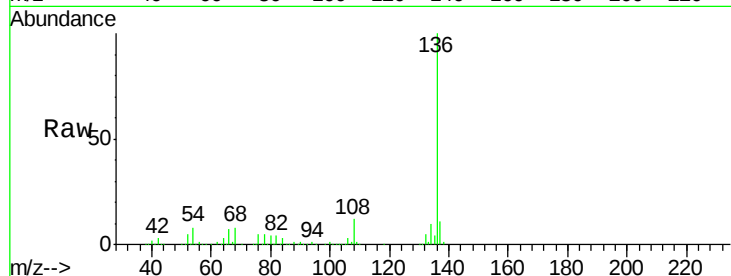
Instrument :

BNA_F

ClientSampleId :

6706-AA-081717

Tot Ion:136	Resp:	454735
Ion Ratio	Lower	Upper
136	100	
137	10.6	8.5 12.7
54	8.2	4.9 7.3#
68	7.7	4.1 6.1#



#23

Nitrobenzene-d5

Concen: 17.14 ng

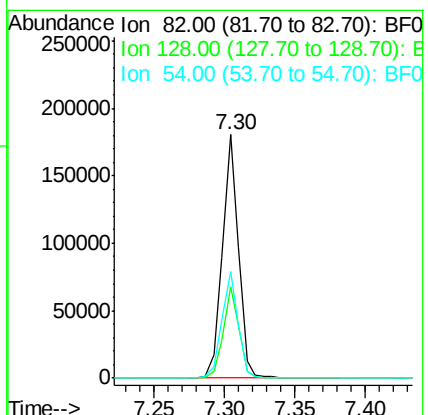
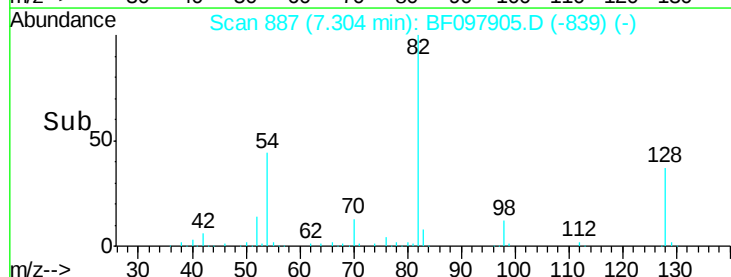
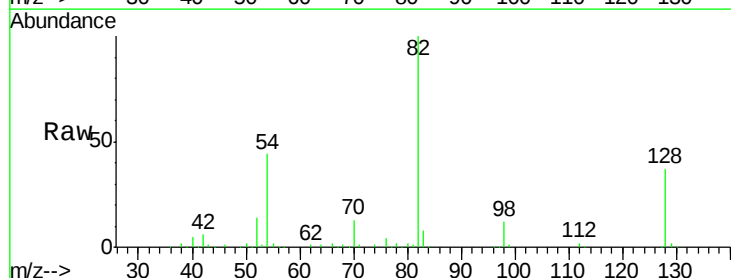
RT: 7.30 min Scan# 887

Delta R.T. -0.02 min

Lab File: BF097905.D

Acq: 21 Aug 2017 14:35

Tgt Ion: 82	Resp:	143455
Ion Ratio	Lower	Upper
82	100	
128	37.3	34.0 51.0
54	43.6	42.2 63.2





#25

Isophorone

Concen: 8.21 ng

RT: 7.30 min Scan# 887

Delta R.T. -0.28 min

Lab File: BF097905.D

Acq: 21 Aug 2017 14:35

Instrument :

BNA_F

ClientSampleId :

6706-AA-081717

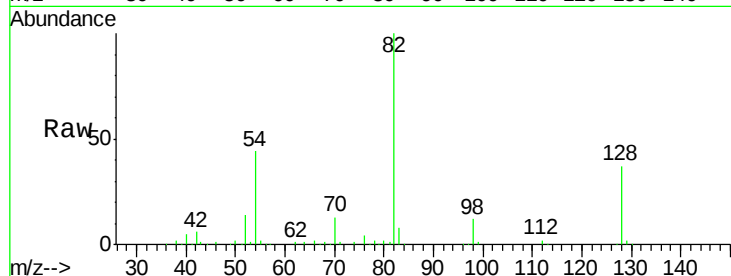
Tot Ion: 82 Resp: 142847

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

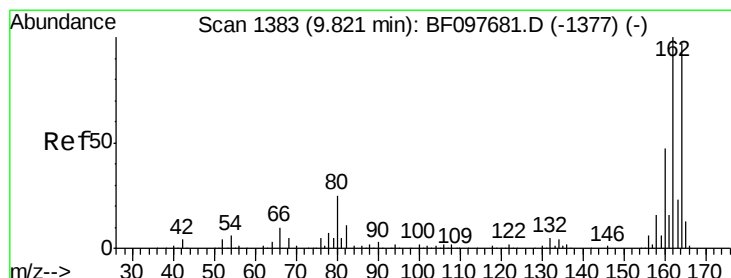
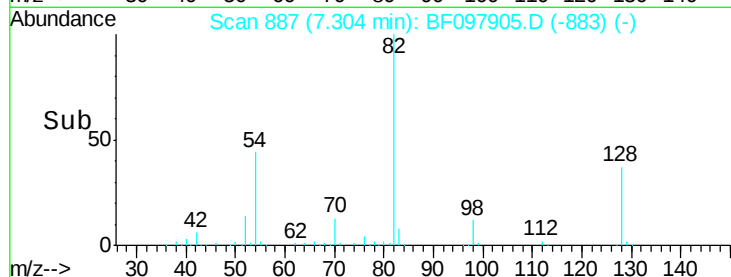
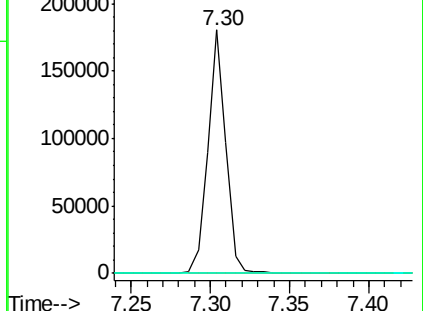
138 0.0 13.1 19.7#



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): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.78 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BF097905.D

Acq: 21 Aug 2017 14:35

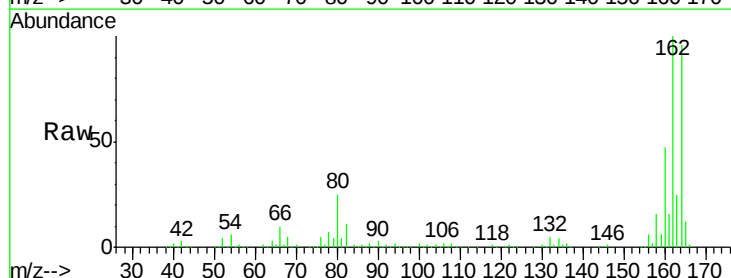
Tgt Ion: 164 Resp: 179880

Ion Ratio Lower Upper

164 100

162 103.9 82.6 123.8

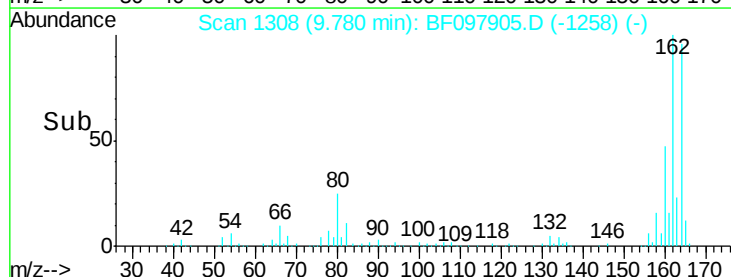
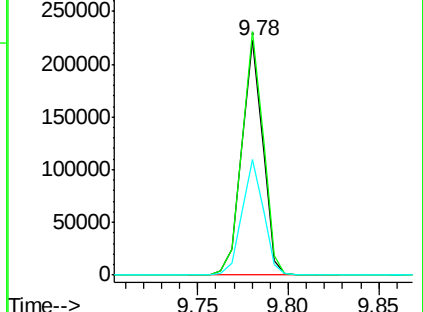
160 49.2 36.2 54.2

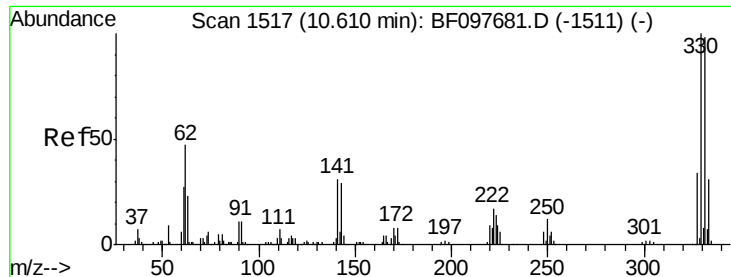


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 18.92 ng

RT: 10.56 min Scan# 1441

Delta R.T. -0.01 min

Lab File: BF097905.D

Acq: 21 Aug 2017 14:35

Instrument :

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ClientSampleId :

6706-AA-081717

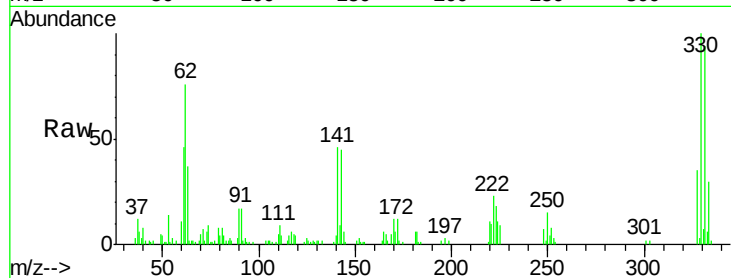
Tot Ion:330 Resp: 29522

Ion Ratio Lower Upper

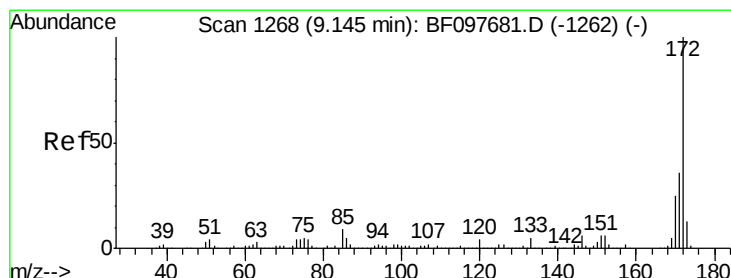
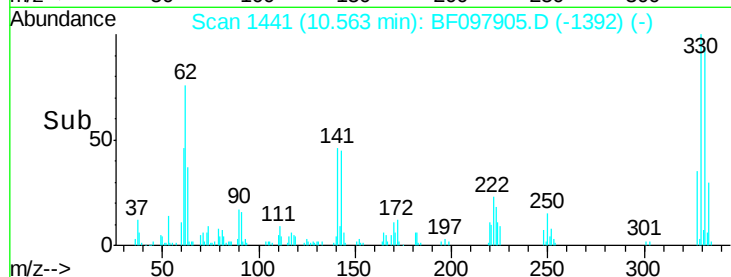
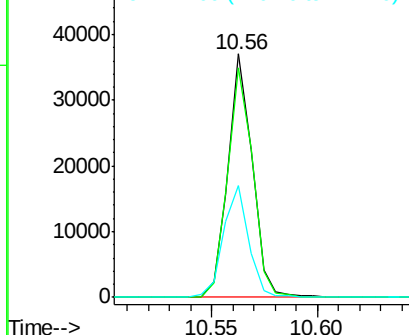
330 100

332 96.8 76.6 115.0

141 47.4 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: 18.30 ng

RT: 9.10 min Scan# 1193

Delta R.T. -0.01 min

Lab File: BF097905.D

Acq: 21 Aug 2017 14:35

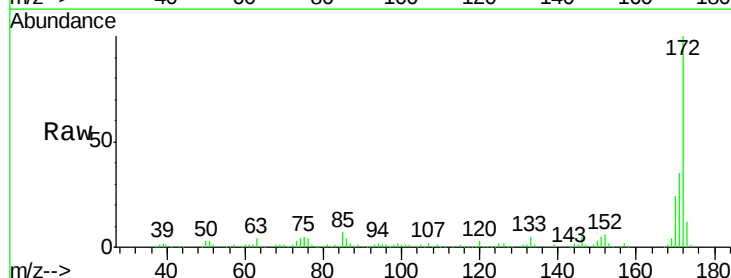
Tgt Ion:172 Resp: 224062

Ion Ratio Lower Upper

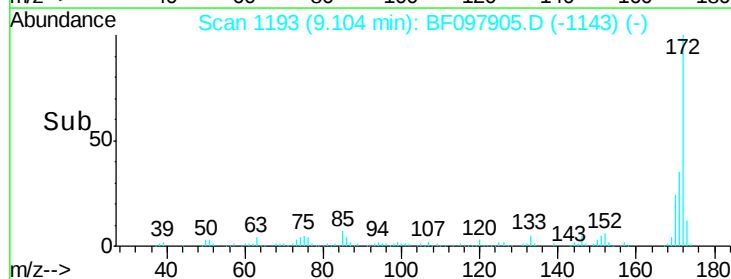
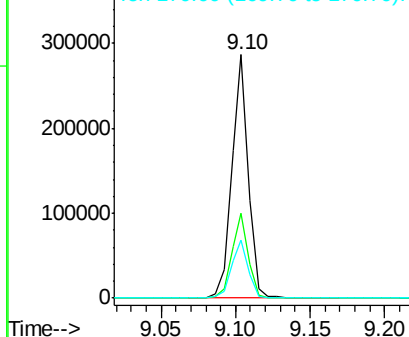
172 100

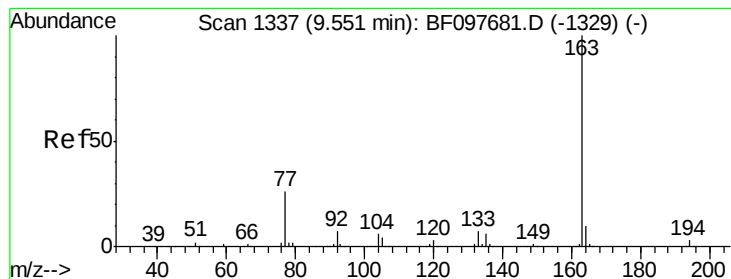
171 34.8 29.6 44.4

170 23.7 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





#49

Dimethylphthalate

Concen: 2.91 ng

RT: 9.50 min Scan# 1260

Delta R.T. -0.02 min

Lab File: BF097905.D

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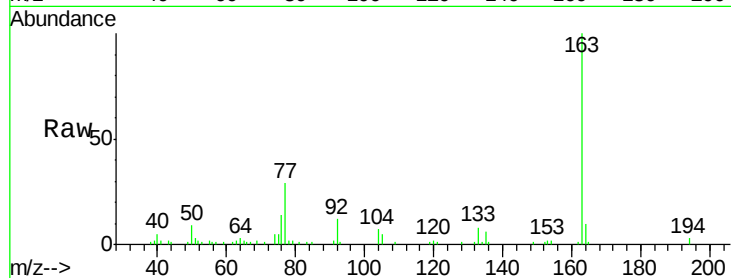
Tot Ion:163 Resp: 38318

Ion Ratio Lower Upper

163 100

194 3.1 2.6 4.0

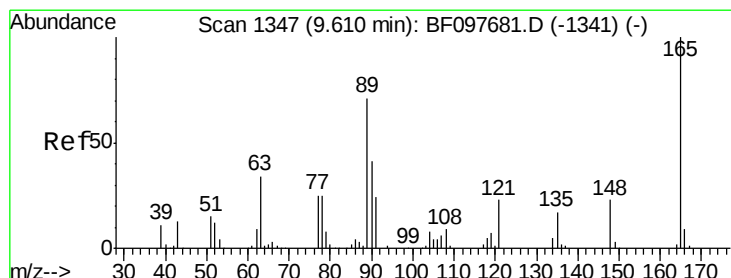
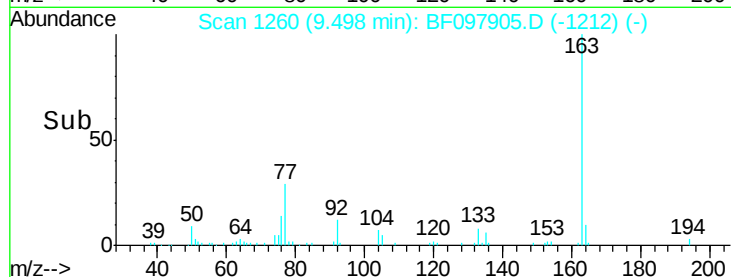
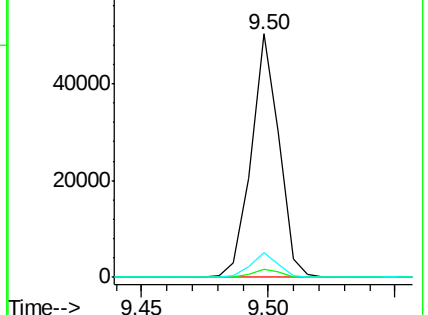
164 10.3 8.4 12.6



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: 8.82 ng

RT: 9.78 min Scan# 1308

Delta R.T. 0.21 min

Lab File: BF097905.D

Acq: 21 Aug 2017 14:35

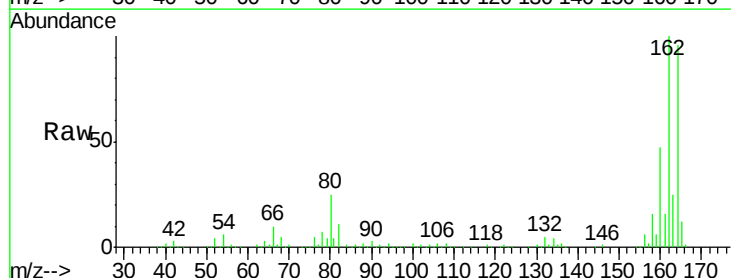
Tgt Ion:165 Resp: 23138

Ion Ratio Lower Upper

165 100

63 1.9 34.3 51.5#

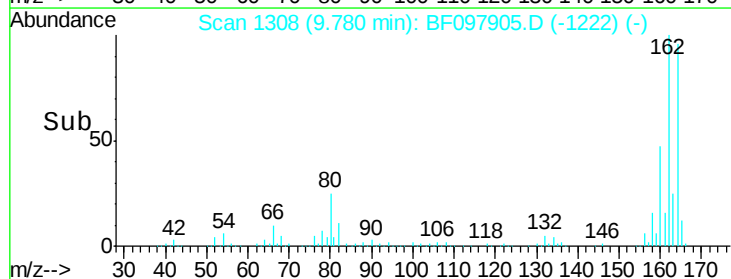
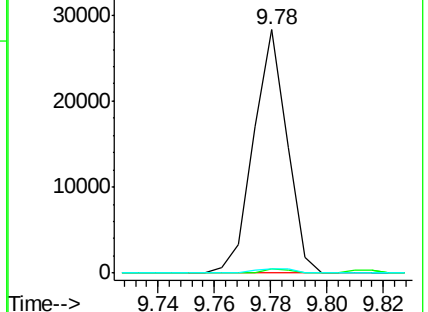
89 1.7 37.1 55.7#



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

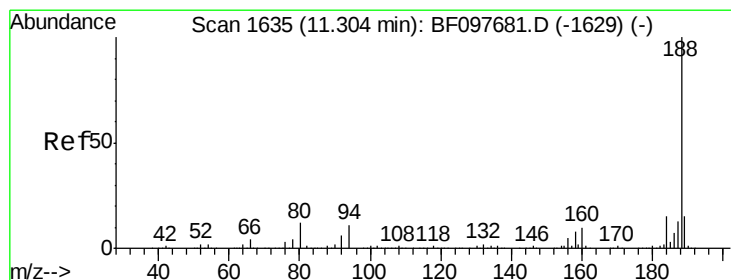
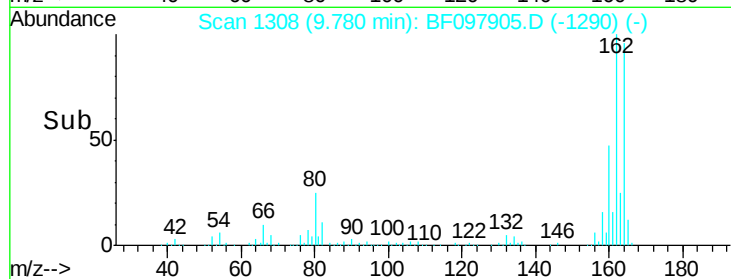
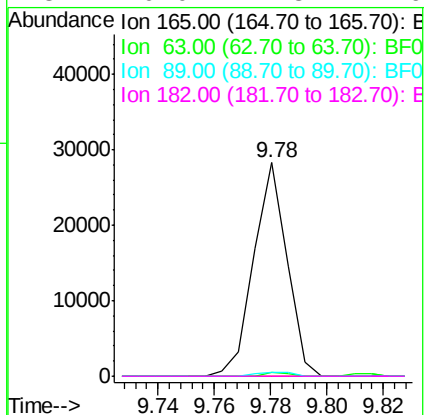
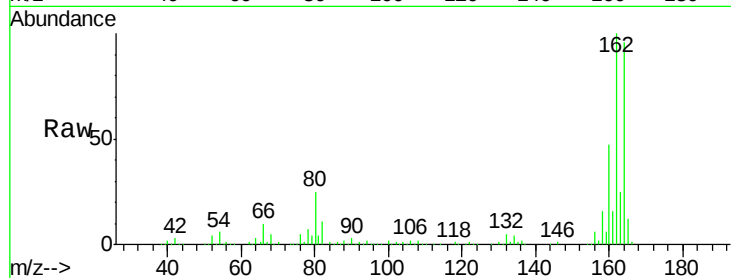




#56
 2,4-Dinitrotoluene
 Concen: 7.02 ng
 RT: 9.78 min Scan# 1308
 Delta R.T. -0.19 min
 Lab File: BF097905.D
 Acq: 21 Aug 2017 14:35

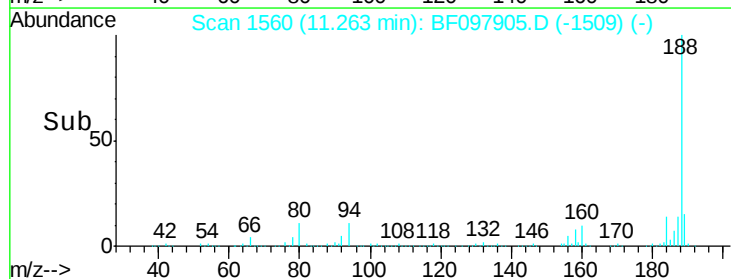
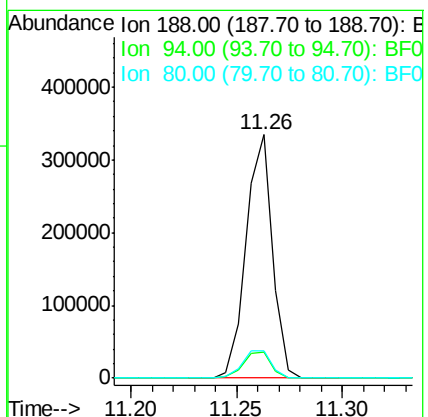
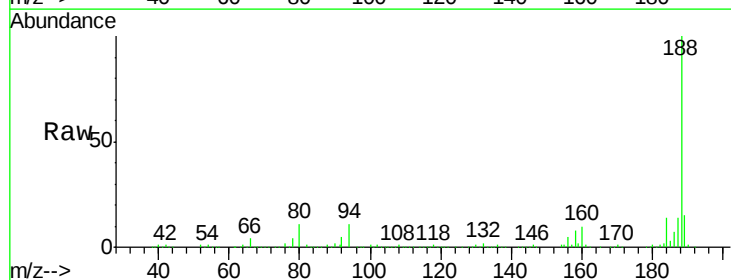
Instrument :
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 ClientSampleId :
 6706-AA-081717

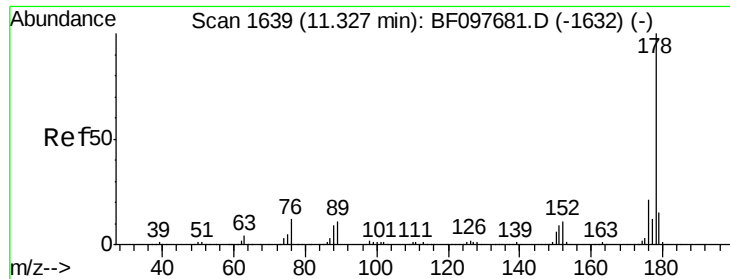
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	25.4	38.0#
89	1.7	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.26 min Scan# 1560
 Delta R.T. -0.00 min
 Lab File: BF097905.D
 Acq: 21 Aug 2017 14:35

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.6	9.4	14.2
80	11.0	10.2	15.2





#70

Phenanthrene

Concen: 2.95 ng

RT: 11.29 min Scan# 1564

Delta R.T. -0.01 min

Lab File: BF097905.D

Acq: 21 Aug 2017 14:35

Instrument :

BNA_F

ClientSampleId :

6706-AA-081717

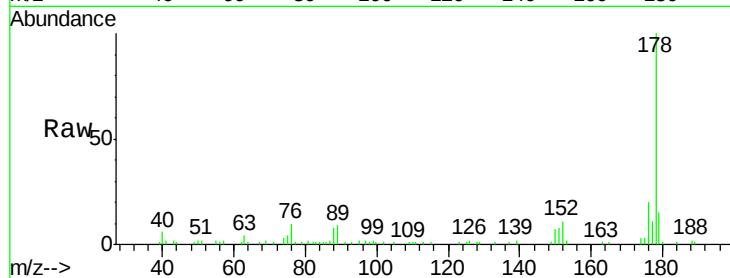
Tot Ion:178 Resp: 45466

Ion Ratio Lower Upper

178 100

176 19.7 16.2 24.4

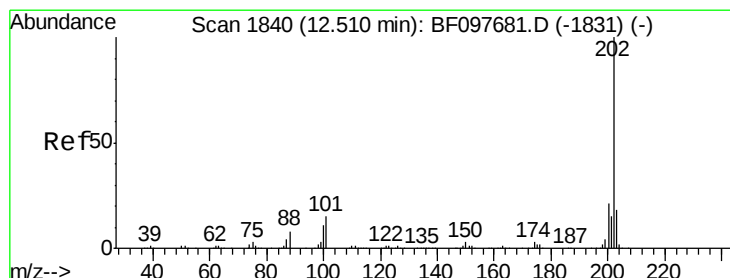
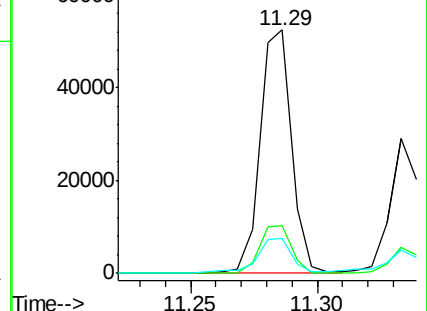
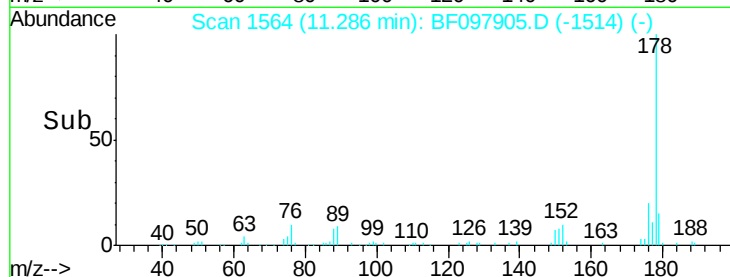
179 14.6 12.6 19.0



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: 7.54 ng

RT: 12.47 min Scan# 1765

Delta R.T. -0.01 min

Lab File: BF097905.D

Acq: 21 Aug 2017 14:35

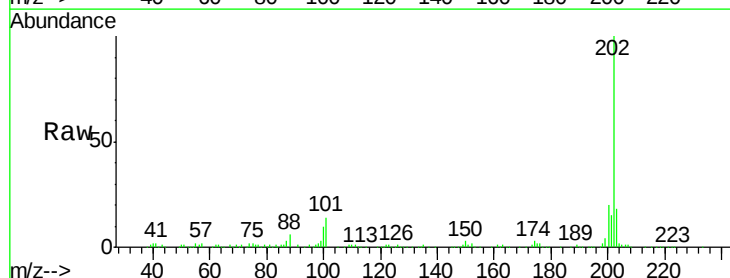
Tgt Ion:202 Resp: 121354

Ion Ratio Lower Upper

202 100

101 13.6 0.0 33.2

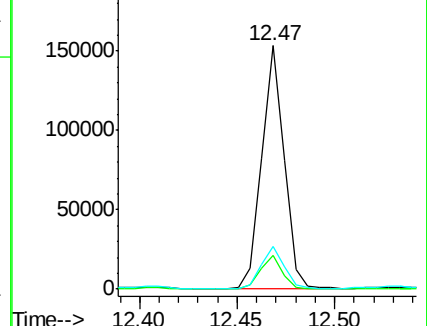
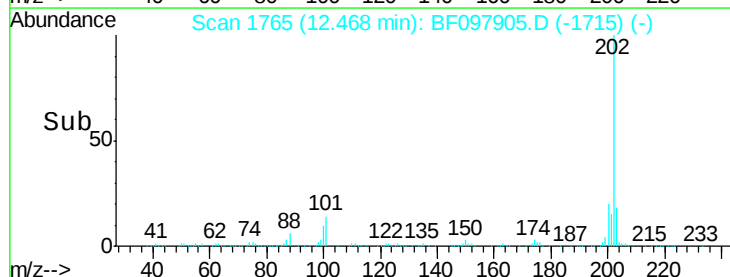
203 17.6 0.0 38.1

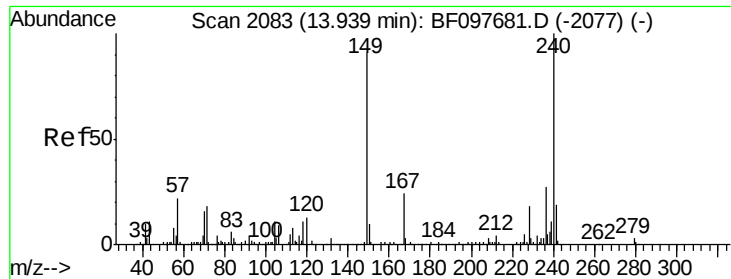


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.89 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF097905.D

Acq: 21 Aug 2017 14:35

Instrument :

BNA_F

ClientSampleId :

6706-AA-081717

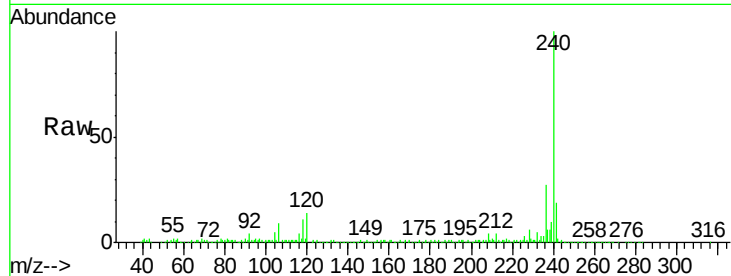
Tot Ion:240 Resp: 261385

Ion Ratio Lower Upper

240 100

120 13.6 5.8 8.8#

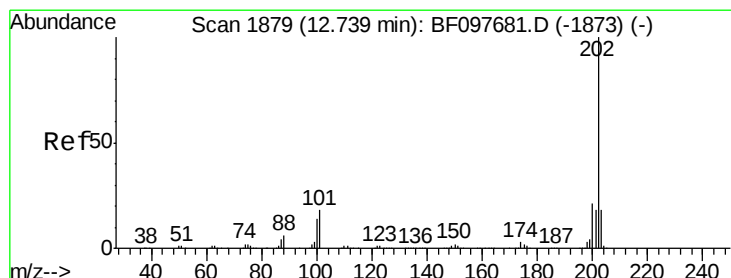
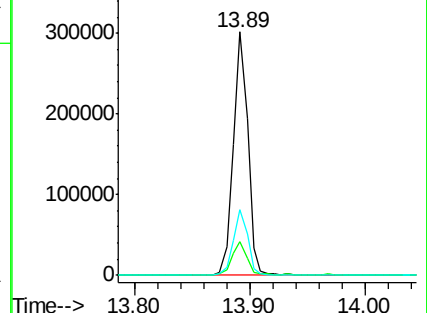
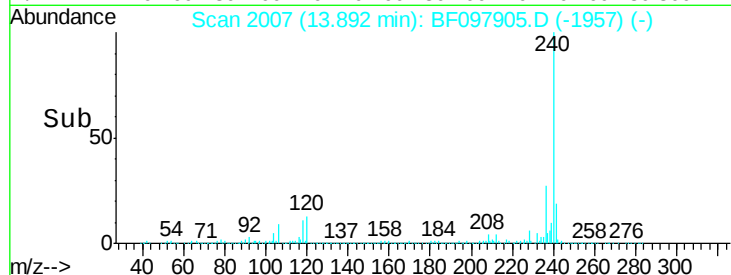
236 26.9 20.5 30.7



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: 5.99 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF097905.D

Acq: 21 Aug 2017 14:35

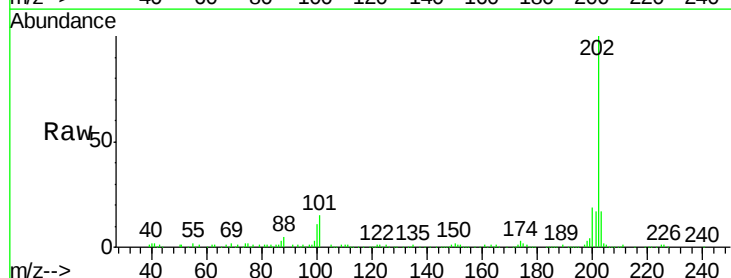
Tgt Ion:202 Resp: 128007

Ion Ratio Lower Upper

202 100

200 19.0 17.6 26.4

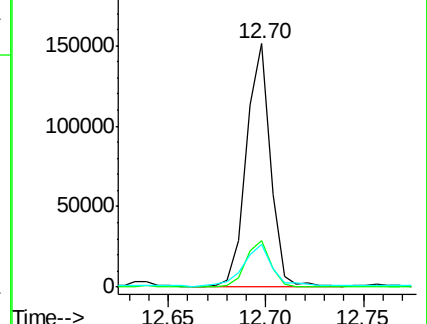
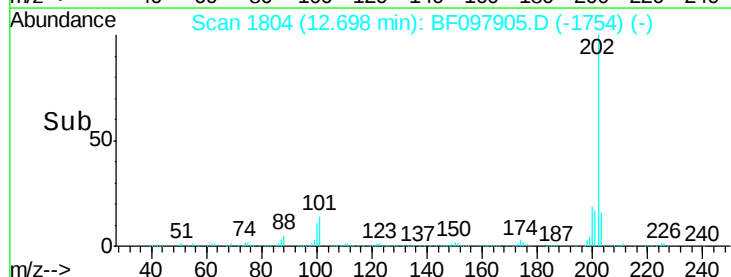
203 17.5 14.4 21.6

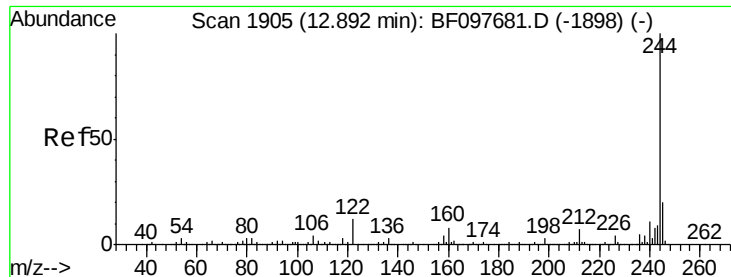


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 11.91 ng

RT: 12.84 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF097905.D

Acq: 21 Aug 2017 14:35

Instrument :

BNA_F

ClientSampleId :

6706-AA-081717

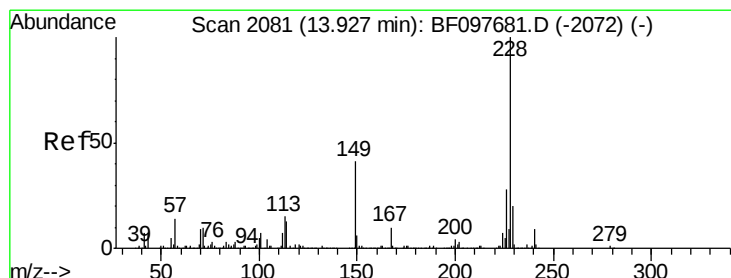
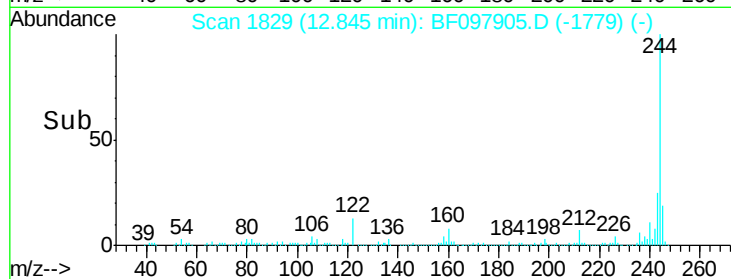
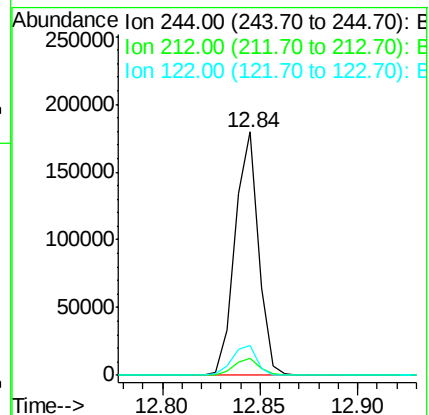
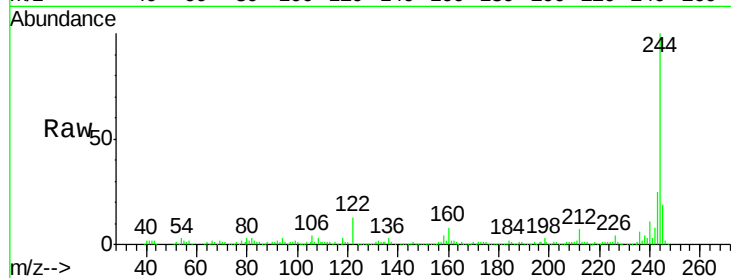
Tot Ion:244 Resp: 149327

Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	12.5	10.3	15.5

244 100

212 7.1 6.0 9.0

122 12.5 10.3 15.5



#80

Benzo(a)anthracene

Concen: 3.65 ng

RT: 13.92 min Scan# 2011

Delta R.T. 0.03 min

Lab File: BF097905.D

Acq: 21 Aug 2017 14:35

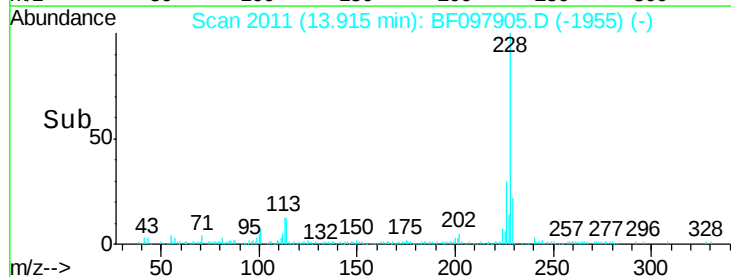
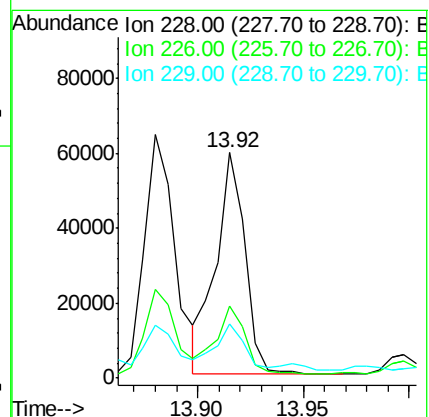
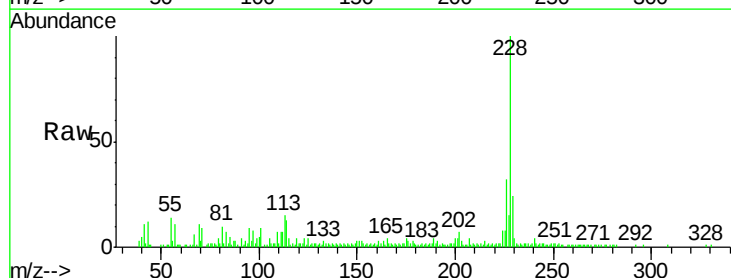
Tgt Ion:228 Resp: 57190

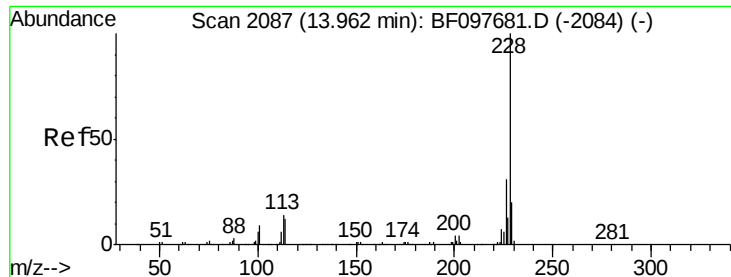
Ion	Ratio	Lower	Upper
228	100		
226	32.2	22.6	33.8
229	24.3	16.3	24.5

228 100

226 32.2 22.6 33.8

229 24.3 16.3 24.5





#82

Chrysene

Concen: 4.11 ng

RT: 13.88 min Scan# 2005

Delta R.T. -0.05 min

Lab File: BF097905.D

Acq: 21 Aug 2017 14:35

Instrument :

BNA_F

ClientSampleId :

6706-AA-081717

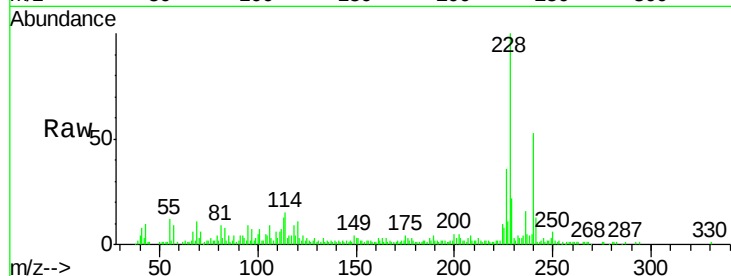
Tot Ion:228 Resp: 64073

Ion Ratio Lower Upper

228 100

226 36.4 24.9 37.3

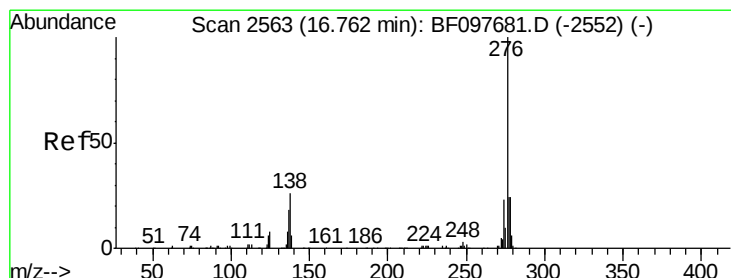
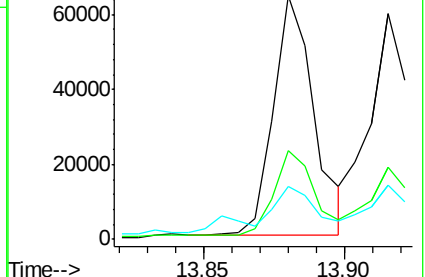
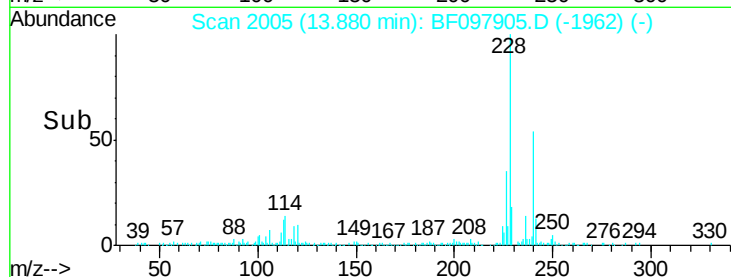
229 21.7 15.8 23.6



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: 2.21 ng

RT: 16.69 min Scan# 2483

Delta R.T. 0.01 min

Lab File: BF097905.D

Acq: 21 Aug 2017 14:35

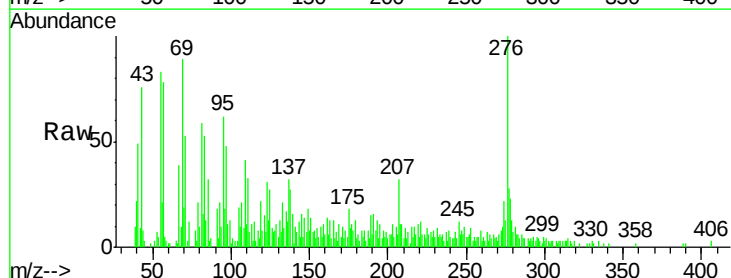
Tgt Ion:276 Resp: 25369

Ion Ratio Lower Upper

276 100

138 24.7 27.8 41.6#

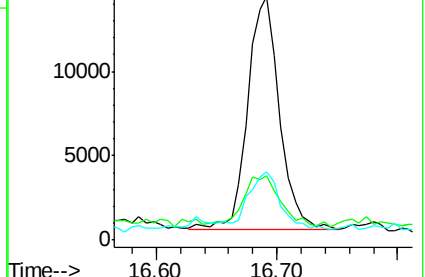
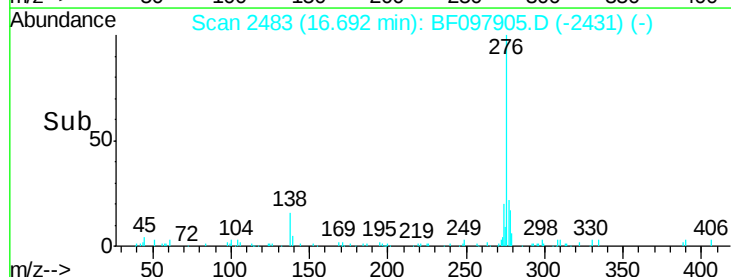
277 23.8 20.2 30.4

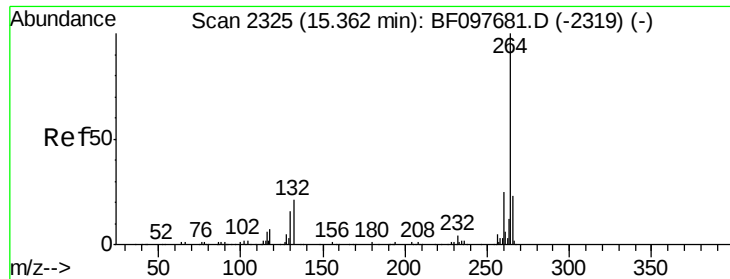


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.32 min Scan# 2249

Delta R.T. 0.01 min

Lab File: BF097905.D

Acq: 21 Aug 2017 14:35

Instrument :

BNA_F

ClientSampleId :

6706-AA-081717

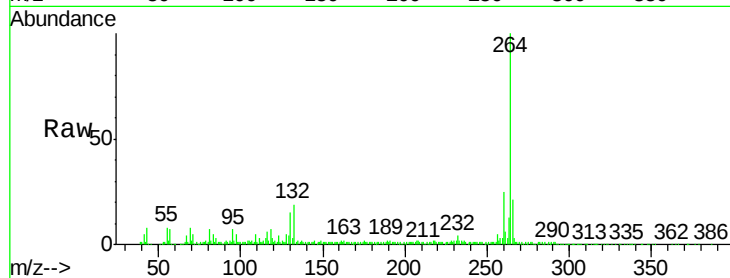
Tot Ion:264 Resp: 206398

Ion Ratio Lower Upper

264 100

260 24.5 19.5 29.3

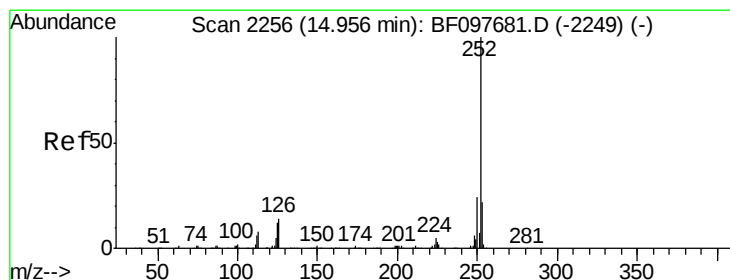
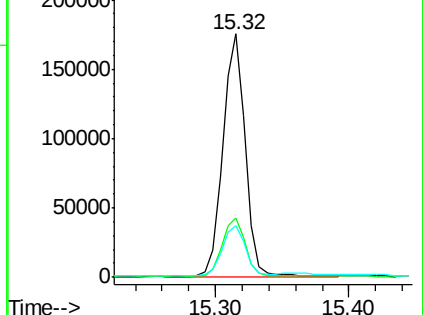
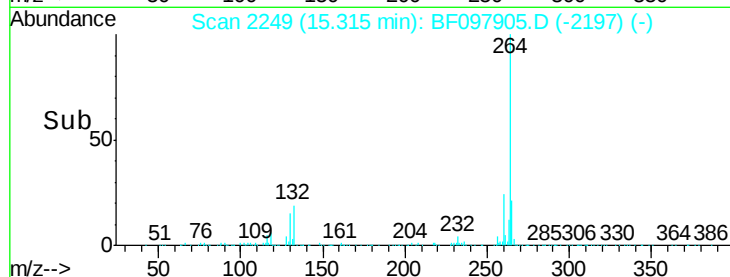
265 21.3 17.2 25.8



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: 7.20 ng

RT: 14.91 min Scan# 2180

Delta R.T. -0.00 min

Lab File: BF097905.D

Acq: 21 Aug 2017 14:35

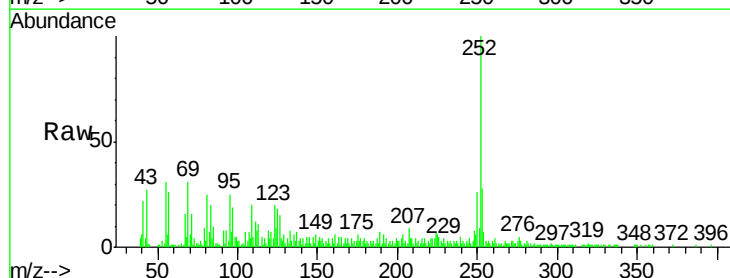
Tgt Ion:252 Resp: 93678

Ion Ratio Lower Upper

252 100

253 27.5 18.1 27.1#

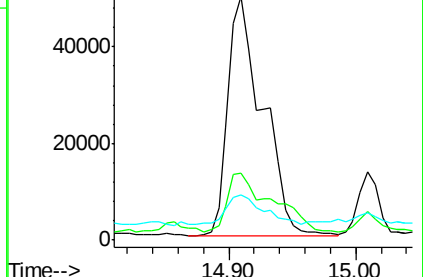
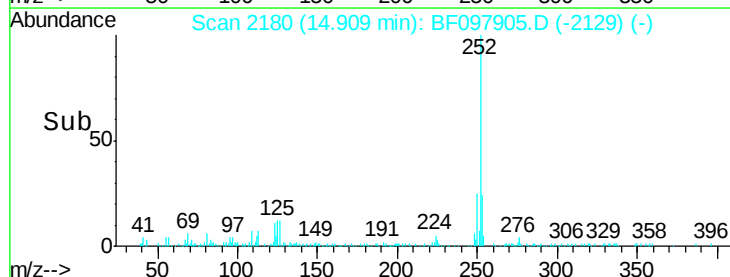
125 18.4 9.8 14.8#

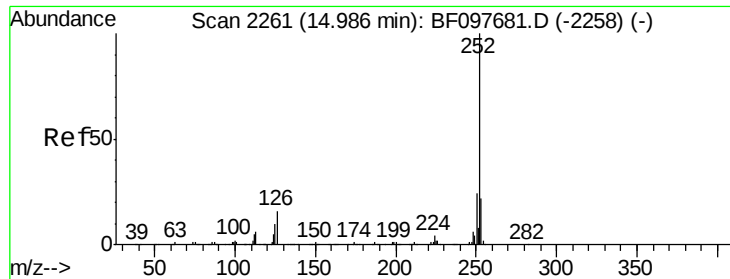


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

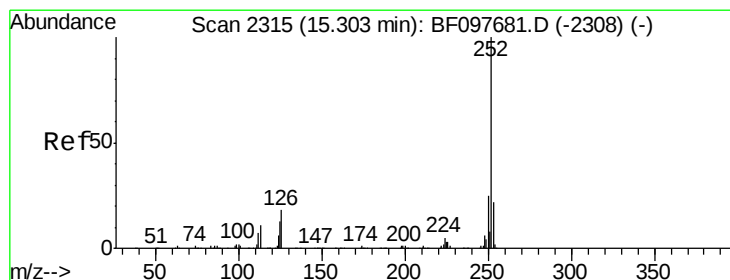
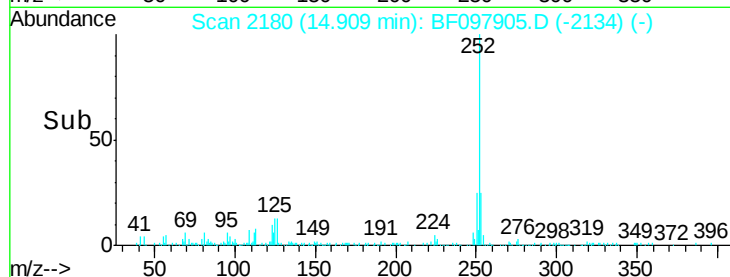
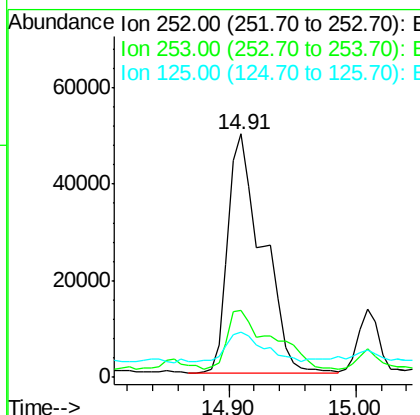
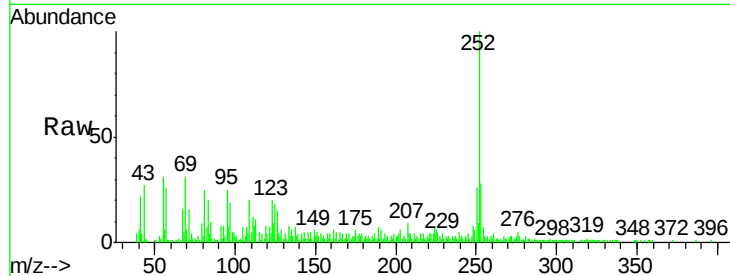




#88
Benzo(k)fluoranthene
Concen: 7.66 ng
RT: 14.91 min Scan# 2180
Delta R.T. -0.03 min
Lab File: BF097905.D
Acq: 21 Aug 2017 14:35

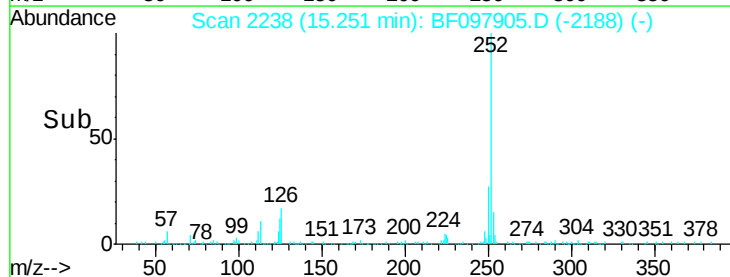
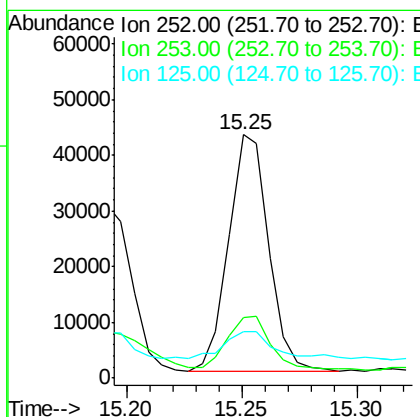
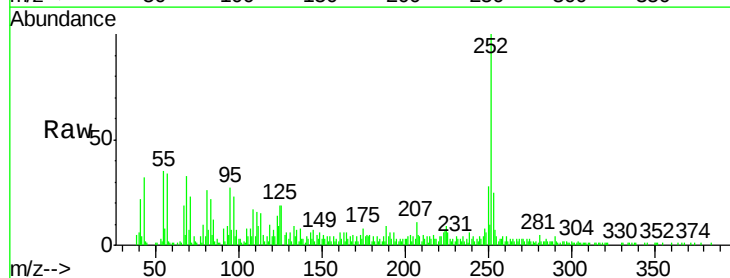
Instrument :
BNA_F
ClientSampleId :
6706-AA-081717

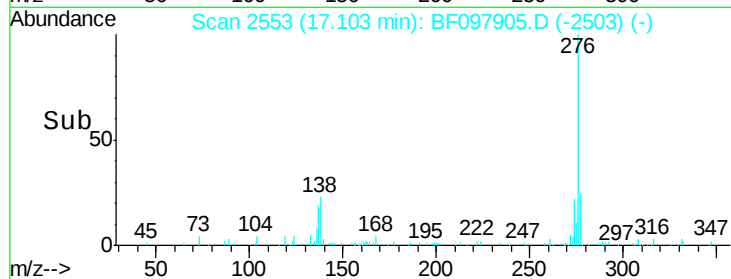
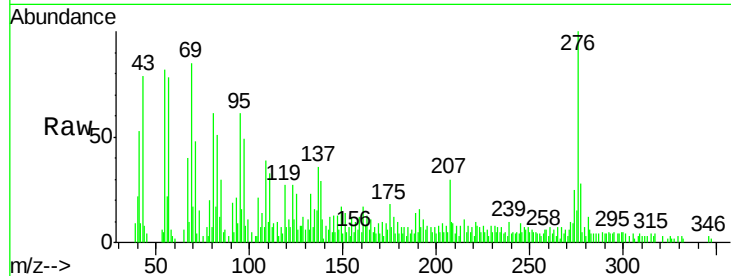
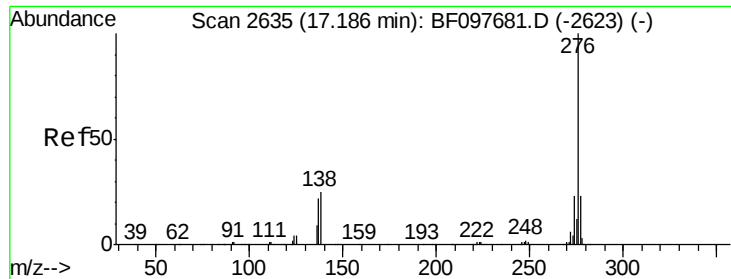
Tot Ion	Ratio	Lower	Upper
252	100		
253	27.5	18.4	27.6
125	18.4	13.1	19.7



#89
Benzo(a)pyrene
Concen: 4.50 ng
RT: 15.25 min Scan# 2238
Delta R.T. -0.01 min
Lab File: BF097905.D
Acq: 21 Aug 2017 14:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.5	26.3
125	19.0	11.0	16.4





#91

Benzo(a,h,i)perylene

Concen: 2.47 ng

RT: 17.10 min Scan# 2553

Delta R.T. -0.01 min

Lab File: BF097905.D

Acq: 21 Aug 2017 14:35

Instrument :

BNA_F

ClientSampleId :

6706-AA-081717

Tot Ion: 276 Resp: 24181

Ion Ratio Lower Upper

276 100

277 28.1 18.6 28.0#

138 28.7 25.4 38.0

