

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081917\
 Data File : BF097894.D
 Acq On : 19 Aug 2017 22:25
 Operator : SJ/JU
 Sample : I4844-01 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-081617

Quant Time: Aug 21 02:44:33 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 15 13:25:08 2017
 Response via : Initial Calibration

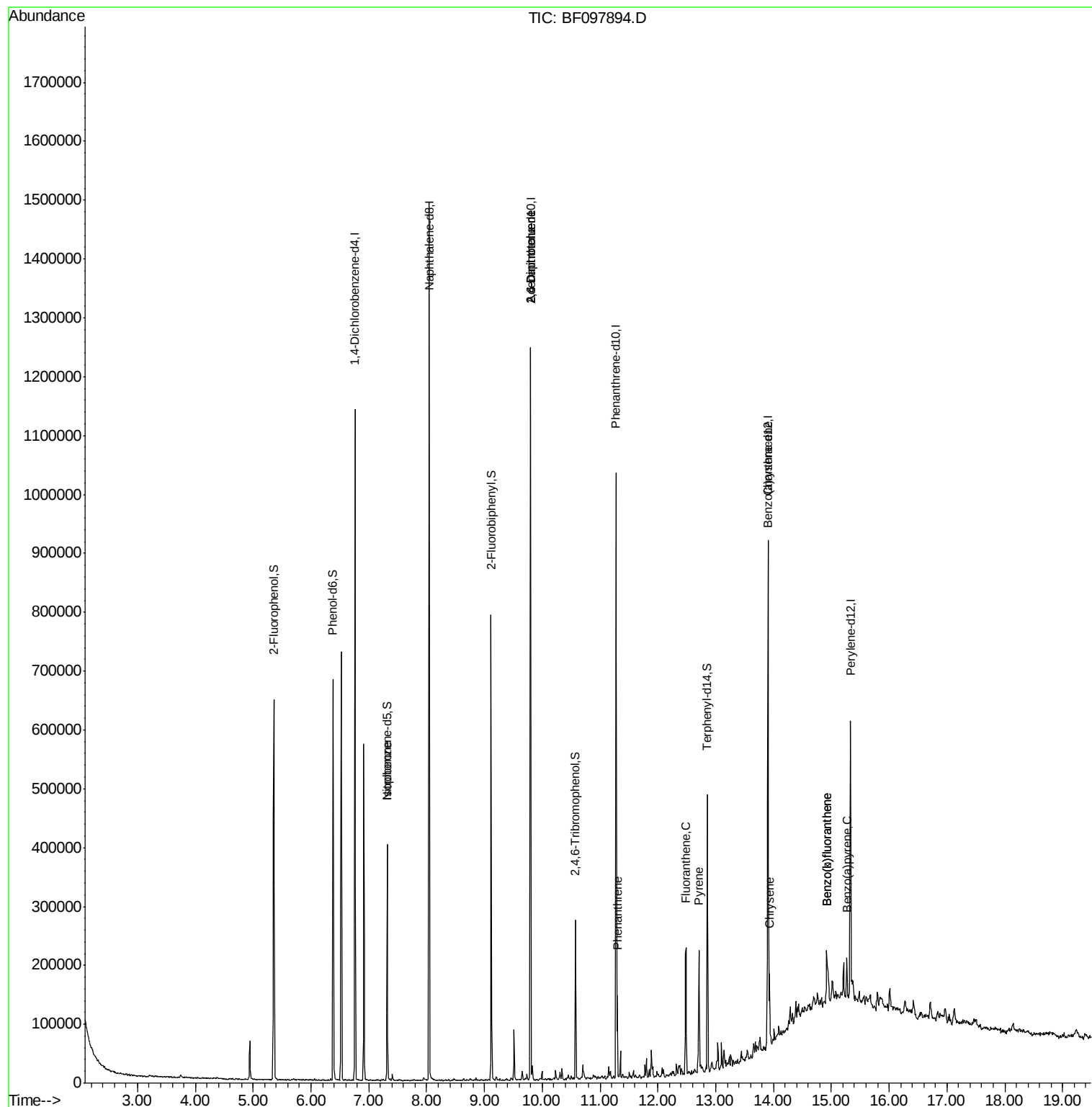
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	153003	20.00	ng	-0.02
21) Naphthalene-d8	8.05	136	579605	20.00	ng	-0.02
38) Acenaphthene-d10	9.80	164	226871	20.00	ng	-0.02
63) Phenanthrene-d10	11.27	188	337404	20.00	ng	-0.03
75) Chrysene-d12	13.91	240	278573	20.00	ng	-0.03
86) Perylene-d12	15.33	264	213962	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	161341	16.04	ng	-0.03
7) Phenol-d6	6.38	99	221415	16.20	ng	-0.03
23) Nitrobenzene-d5	7.32	82	127226	11.92	ng	-0.04
41) 2,4,6-Tribromophenol	10.58	330	23050	11.71	ng	-0.03
44) 2-Fluorobiphenyl	9.12	172	212413	13.76	ng	-0.03
78) Terphenyl-d14	12.86	244	117425	8.79	ng	-0.04
Target Compounds						
25) Isophorone	7.32	82	127250	5.74	ng	# 67
50) 2,6-Dinitrotoluene	9.80	165	28572	8.63	ng	# 34
56) 2,4-Dinitrotoluene	9.80	165	28572	6.88	ng	# 33
70) Phenanthrene	11.30	178	42383	2.36	ng	99
74) Fluoranthene	12.49	202	86278	4.60	ng	97
77) Pyrene	12.71	202	78812	3.46	ng	98
80) Benzo(a)anthracene	13.90	228	41947	2.51	ng	94
82) Chrysene	13.93	228	44689	2.69	ng	98
87) Benzo(b)fluoranthene	14.92	252	65862	4.88	ng	96
88) Benzo(k)fluoranthene	14.92	252	65862	5.20	ng	96
89) Benzo(a)pyrene	15.27	252	31334	2.62	ng	94

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

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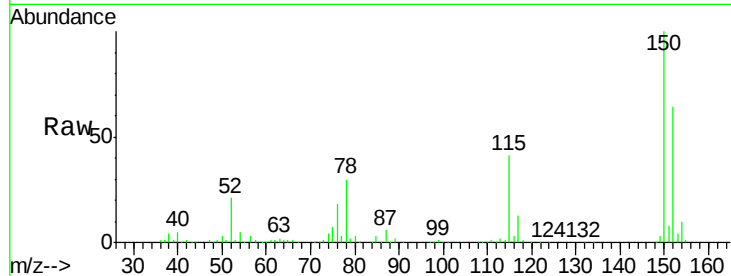


#1

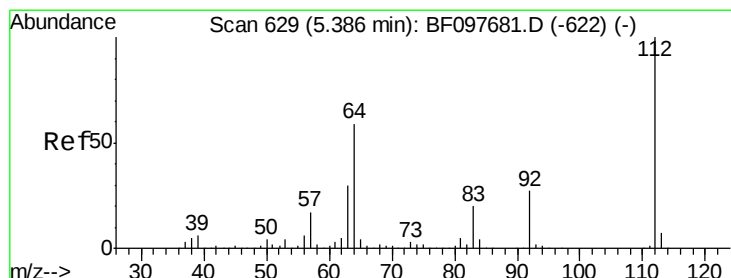
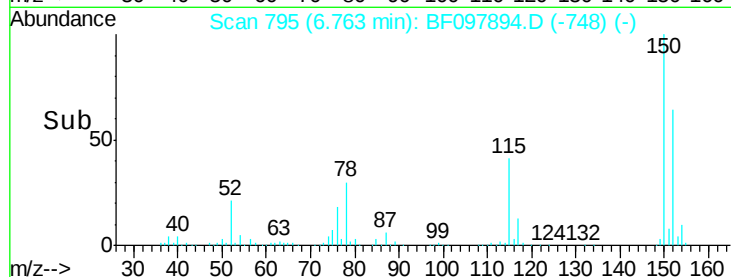
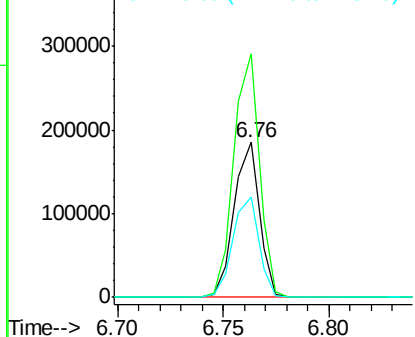
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.02 min
Lab File: BF097894.D
Acq: 19 Aug 2017 22:25

Instrument :
BNA_F
ClientSampleId :
OR-03-081617

Tot Ion:152 Resp: 153003
Ion Ratio Lower Upper
152 100
150 156.9 126.2 189.2
115 64.3 52.2 78.2



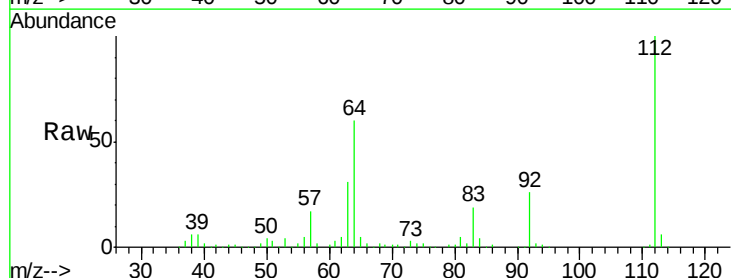
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



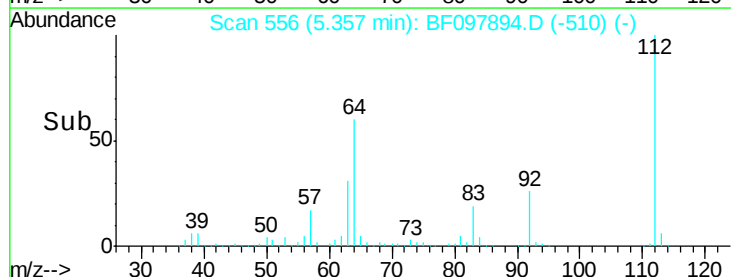
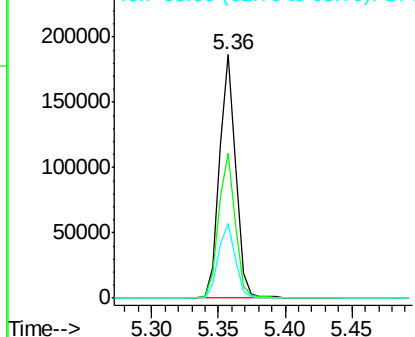
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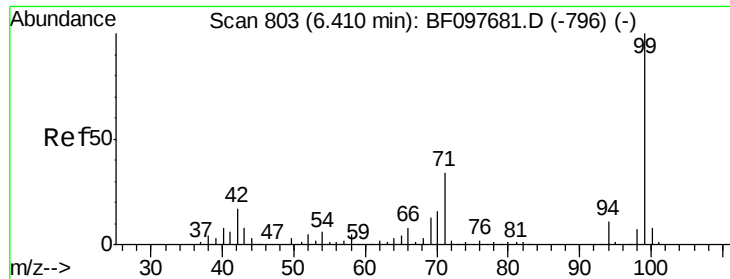
2-Fluorophenol
Concen: 16.04 ng
RT: 5.36 min Scan# 556
Delta R.T. -0.03 min
Lab File: BF097894.D
Acq: 19 Aug 2017 22:25

Tgt Ion:112 Resp: 161341
Ion Ratio Lower Upper
112 100
64 59.5 46.0 69.0
63 30.5 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: 16.20 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.03 min

Lab File: BF097894.D

Acq: 19 Aug 2017 22:25

Instrument :

BNA_F

ClientSampleId :

OR-03-081617

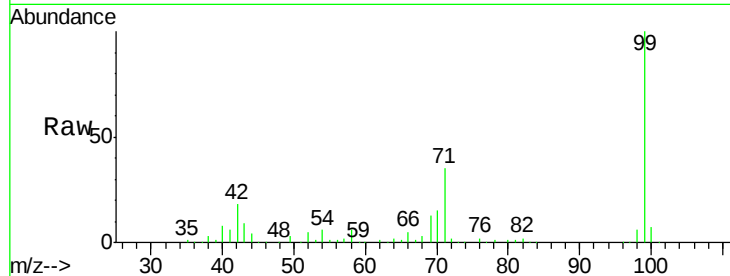
Tot Ion: 99 Resp: 221415

Ion Ratio Lower Upper

99 100

42 17.9 13.5 20.3

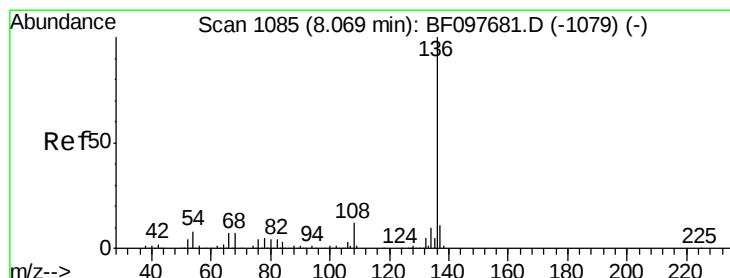
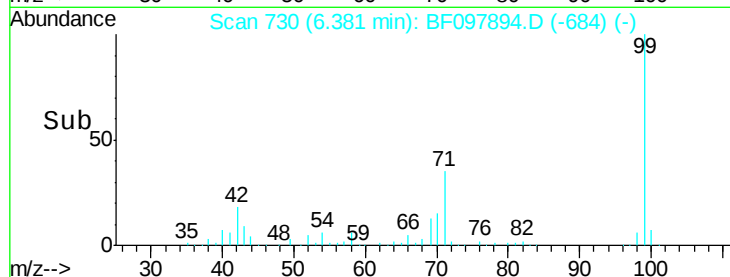
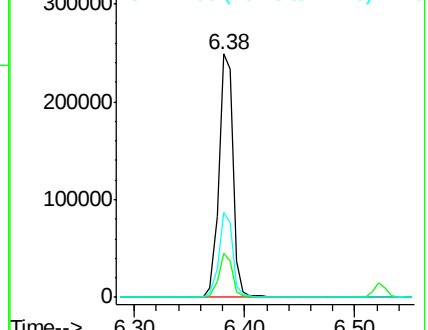
71 35.1 24.5 36.7



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: 8.05 min Scan# 1013

Delta R.T. -0.02 min

Lab File: BF097894.D

Acq: 19 Aug 2017 22:25

Tgt Ion: 136 Resp: 579605

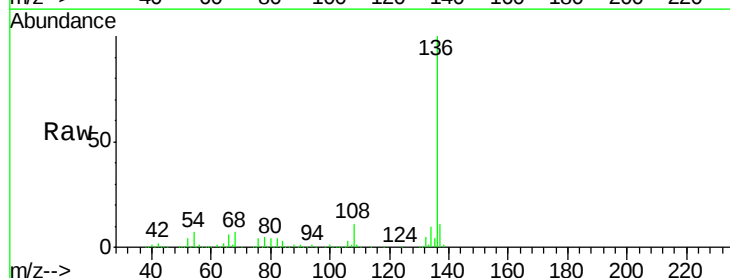
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 7.3 4.9 7.3

68 6.8 4.1 6.1#

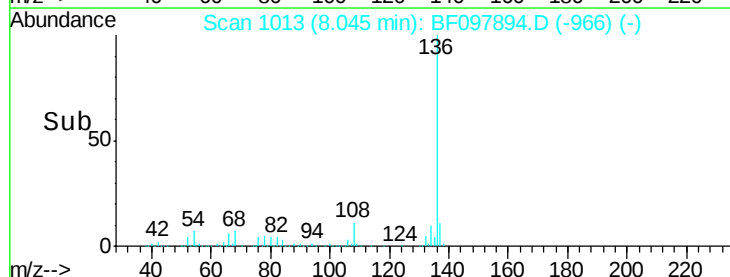
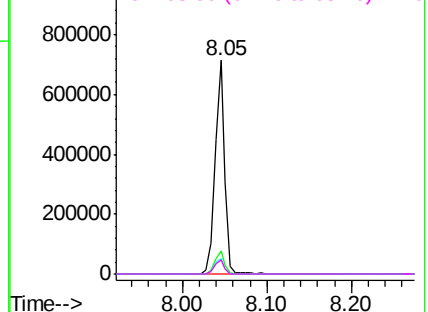


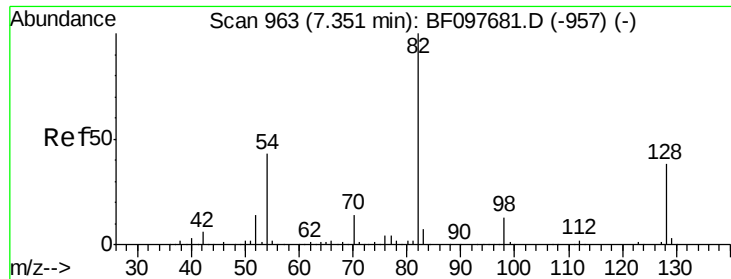
Abundance Ion 136.00 (135.70 to 136.70): E

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

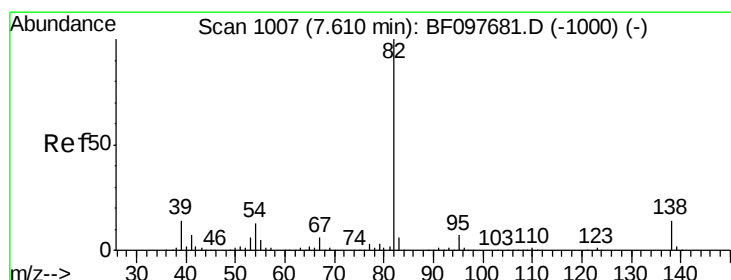
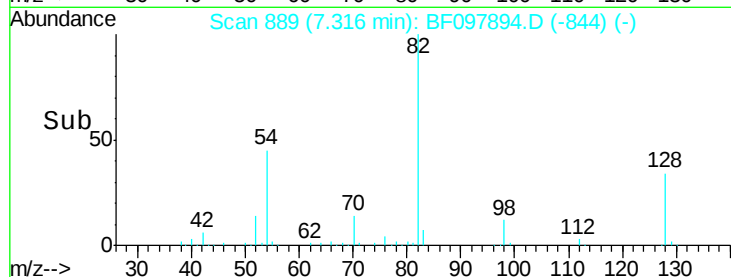
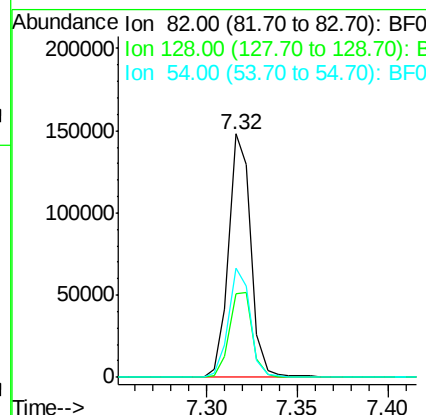
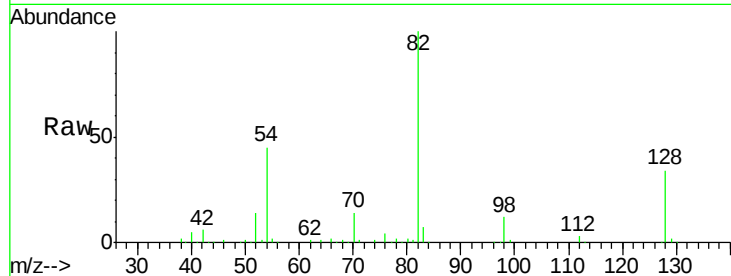




#23
 Nitrobenzene-d5
 Concen: 11.92 ng
 RT: 7.32 min Scan# 889
 Delta R.T. -0.04 min
 Lab File: BF097894.D
 Acq: 19 Aug 2017 22:25

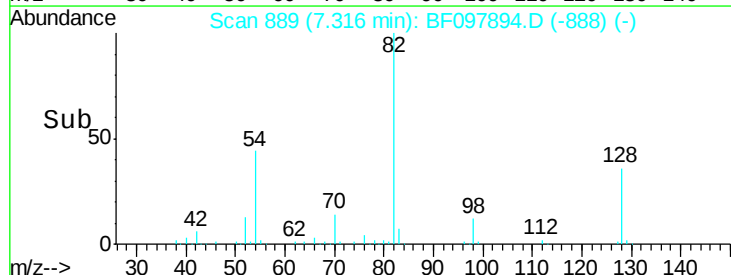
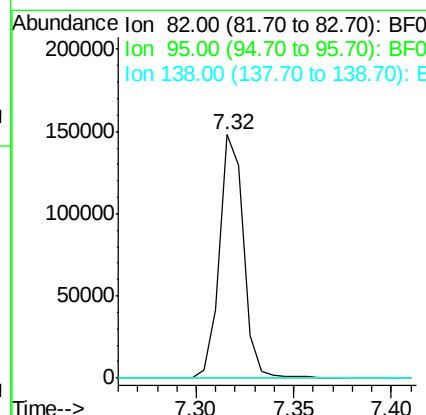
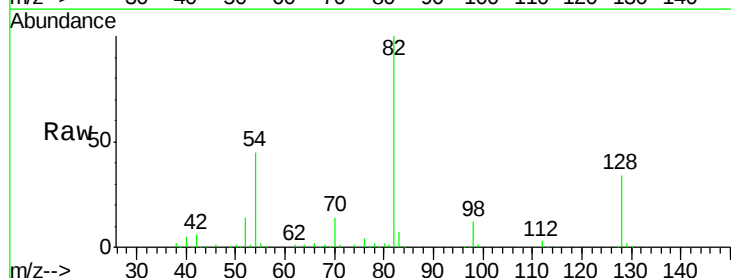
Instrument :
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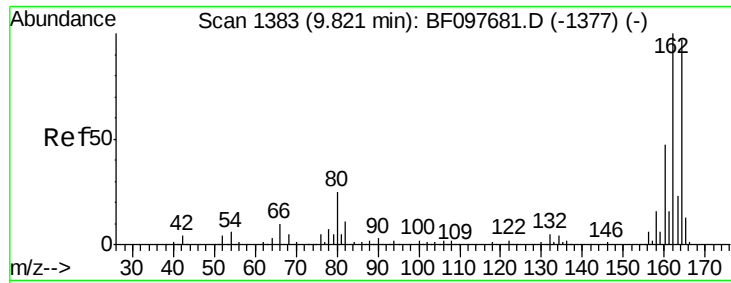
Tot Ion	82	Resp	127226
Ion Ratio	Lower	Upper	
82	100		
128	34.3	34.0	51.0
54	45.0	42.2	63.2



#25
 Isophorone
 Concen: 5.74 ng
 RT: 7.32 min Scan# 889
 Delta R.T. -0.29 min
 Lab File: BF097894.D
 Acq: 19 Aug 2017 22:25

Tgt Ion	82	Resp	127250
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#

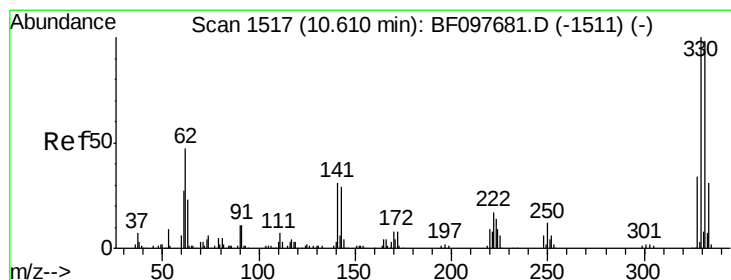
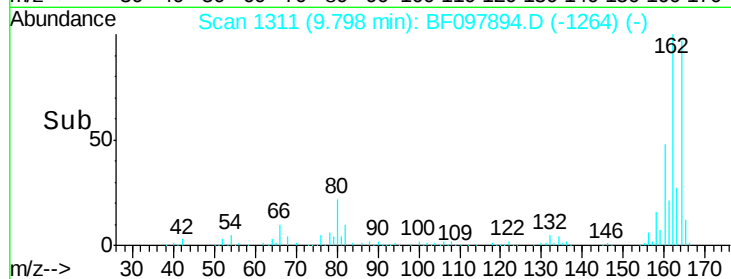
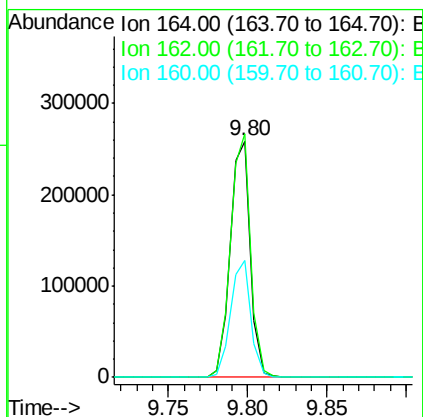
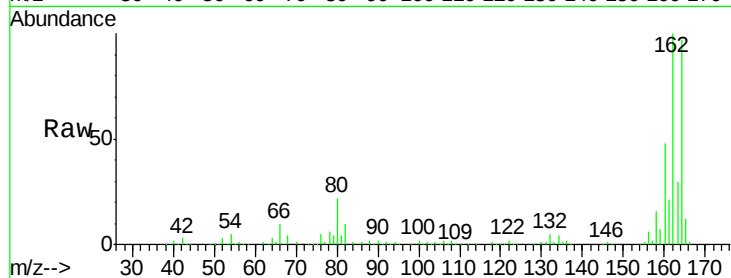




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.80 min Scan# 1311
 Delta R.T. -0.02 min
 Lab File: BF097894.D
 Acq: 19 Aug 2017 22:25

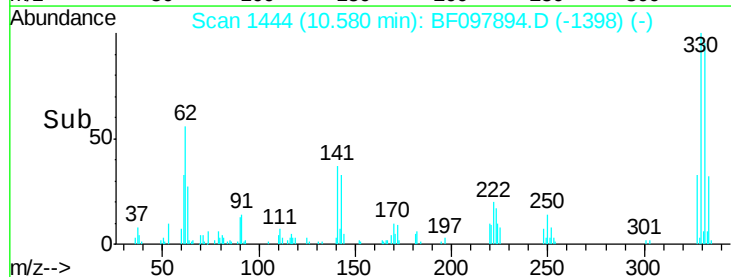
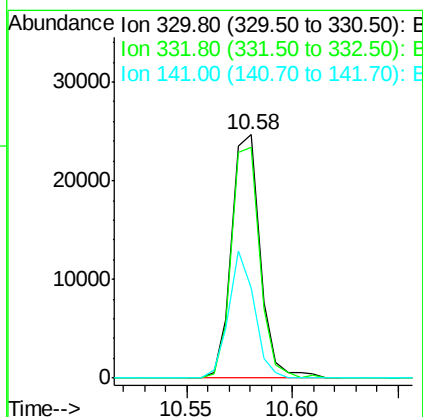
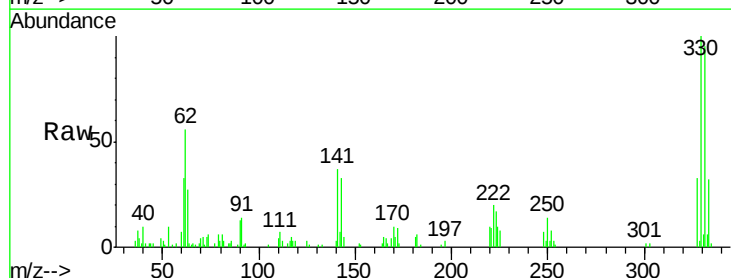
Instrument :
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 ClientSampleId :
 OR-03-081617

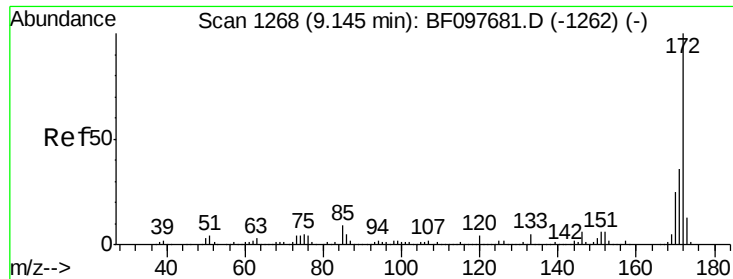
Tot Ion:164 Resp: 226871
 Ion Ratio Lower Upper
 164 100
 162 103.2 82.6 123.8
 160 49.5 36.2 54.2



#41
 2,4,6-Tribromophenol
 Concen: 11.71 ng
 RT: 10.58 min Scan# 1444
 Delta R.T. -0.03 min
 Lab File: BF097894.D
 Acq: 19 Aug 2017 22:25

Tgt Ion:330 Resp: 23050
 Ion Ratio Lower Upper
 330 100
 332 93.8 76.6 115.0
 141 46.1 31.4 47.2

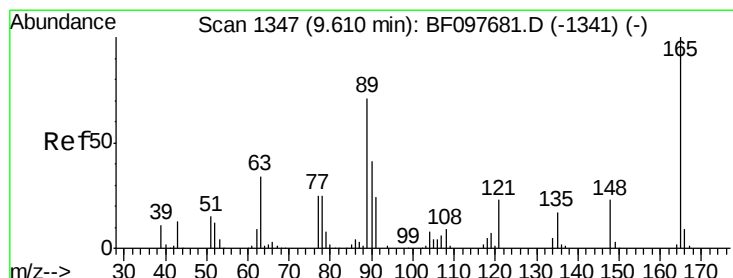
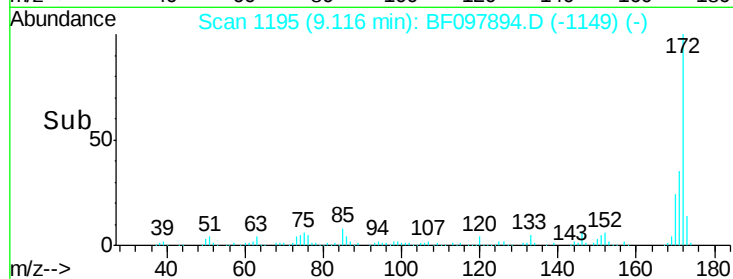
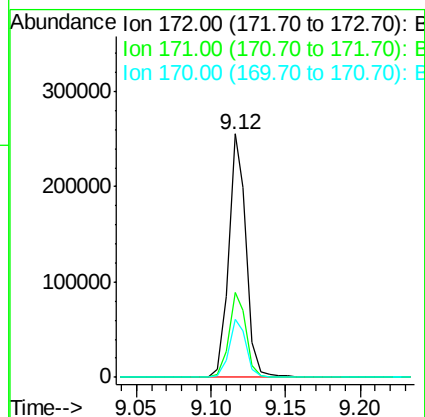
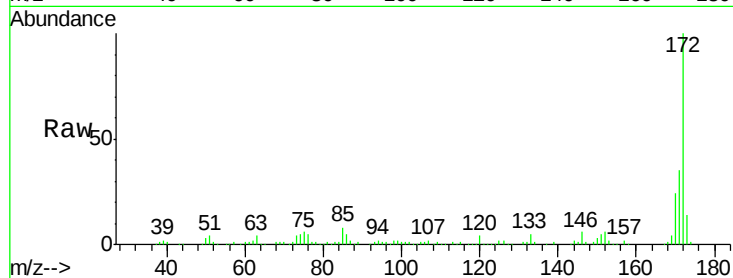




#44
 2-Fluorobiphenyl
 Concen: 13.76 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.03 min
 Lab File: BF097894.D
 Acq: 19 Aug 2017 22:25

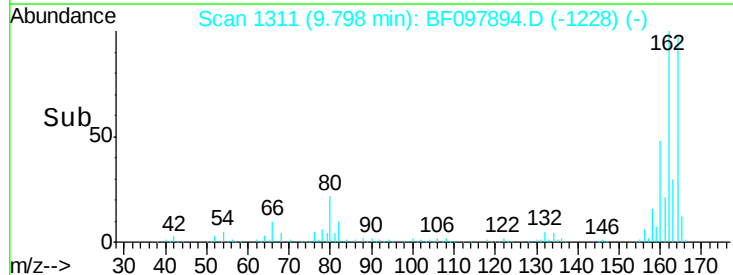
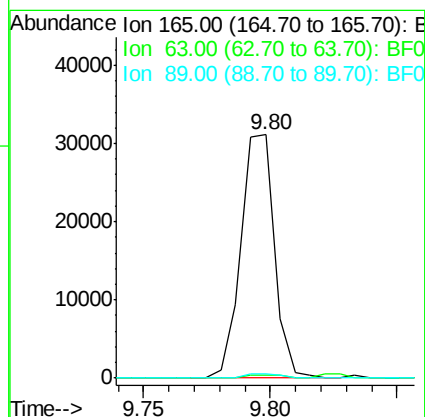
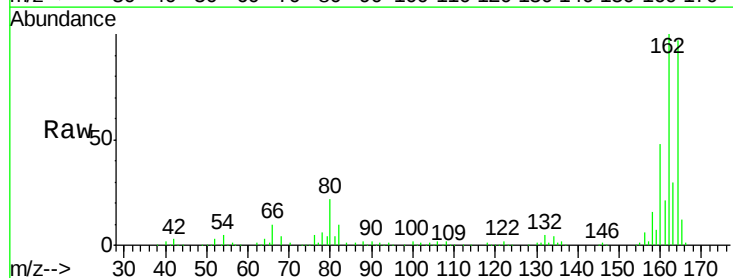
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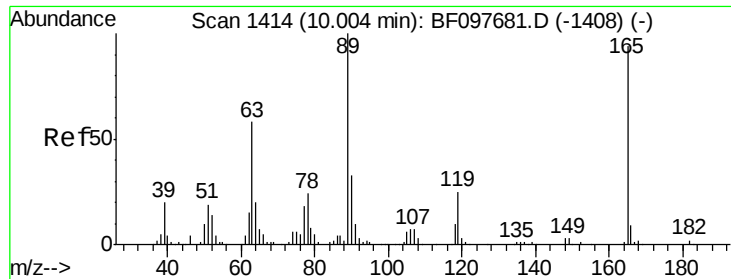
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.6	44.4
170	24.1	19.8	29.8



#50
 2,6-Dinitrotoluene
 Concen: 8.63 ng
 RT: 9.80 min Scan# 1311
 Delta R.T. 0.19 min
 Lab File: BF097894.D
 Acq: 19 Aug 2017 22:25

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	34.3	51.5#
89	1.9	37.1	55.7#

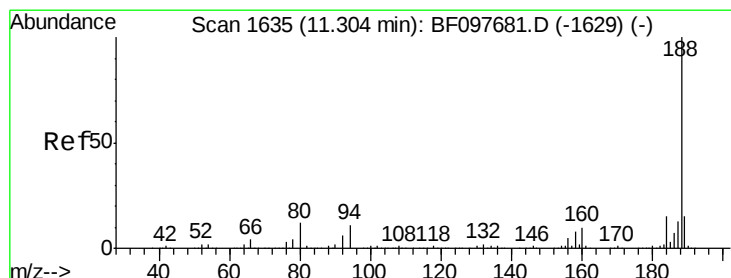
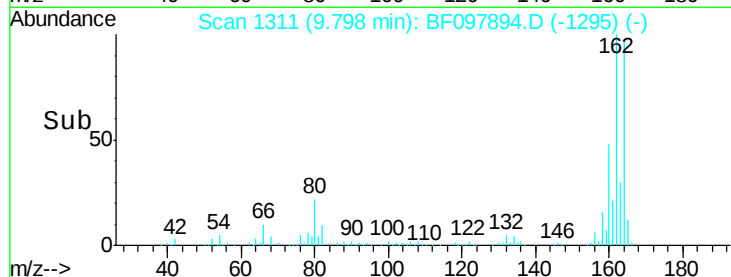
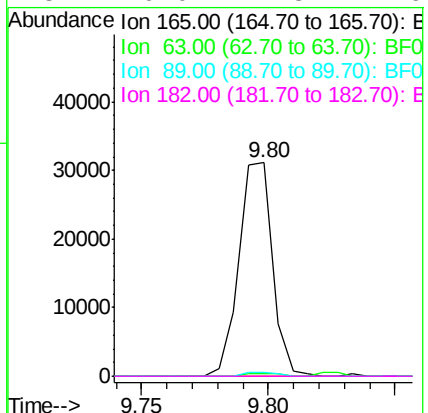
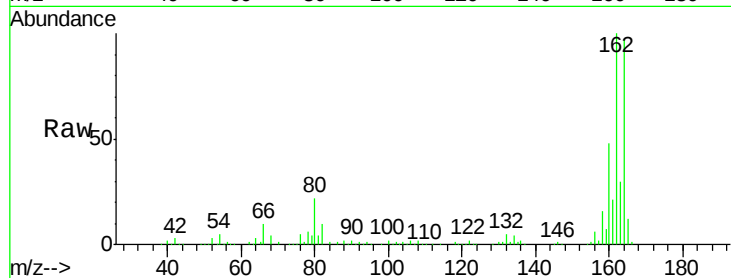




#56
 2,4-Dinitrotoluene
 Concen: 6.88 ng
 RT: 9.80 min Scan# 1311
 Delta R.T. -0.21 min
 Lab File: BF097894.D
 Acq: 19 Aug 2017 22:25

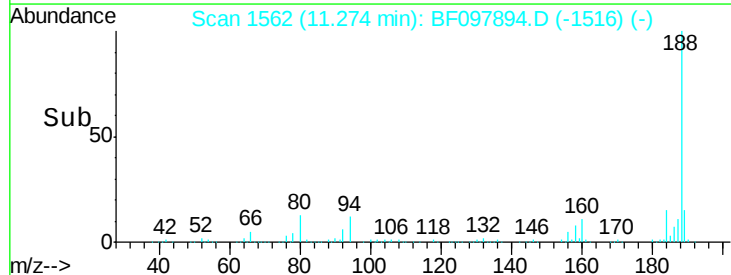
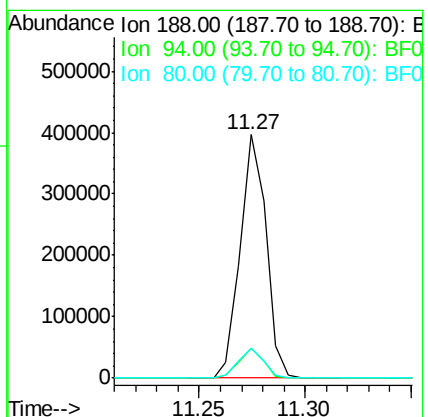
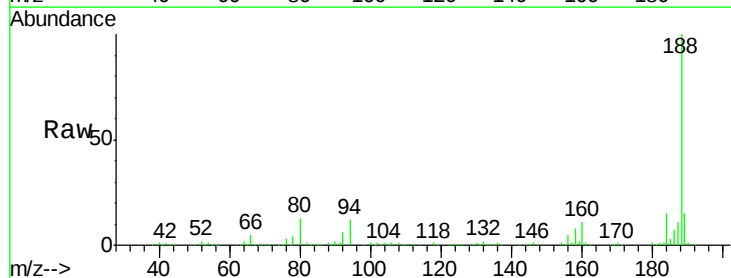
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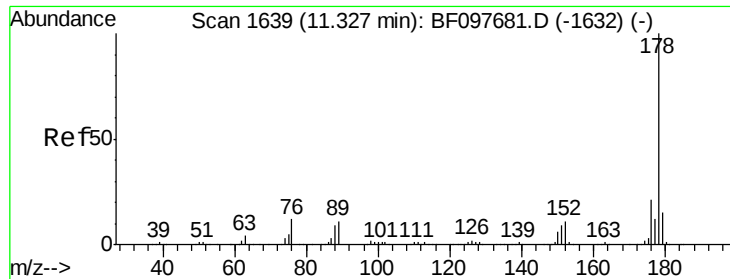
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	25.4	38.0#
89	1.9	46.4	69.6#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.27 min Scan# 1562
 Delta R.T. -0.03 min
 Lab File: BF097894.D
 Acq: 19 Aug 2017 22:25

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.3	9.4	14.2
80	12.5	10.2	15.2

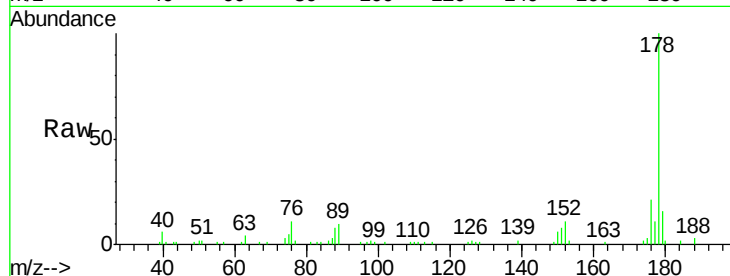




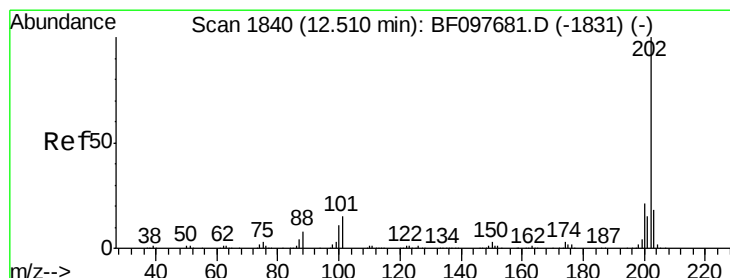
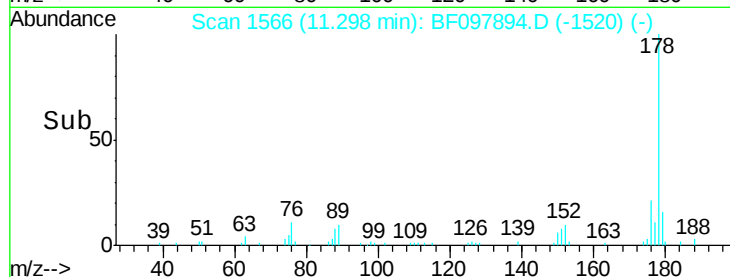
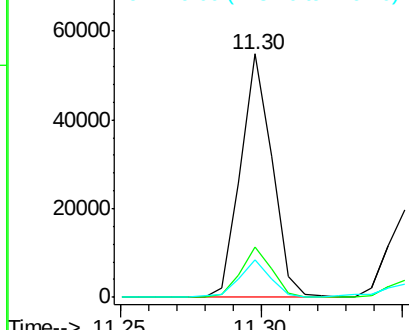
#70
Phenanthrene
Concen: 2.36 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.03 min
Lab File: BF097894.D
Acq: 19 Aug 2017 22:25

Instrument :
BNA_F
ClientSampleId :
OR-03-081617

Tot Ion:178 Resp: 42383
Ion Ratio Lower Upper
178 100
176 20.8 16.2 24.4
179 15.5 12.6 19.0

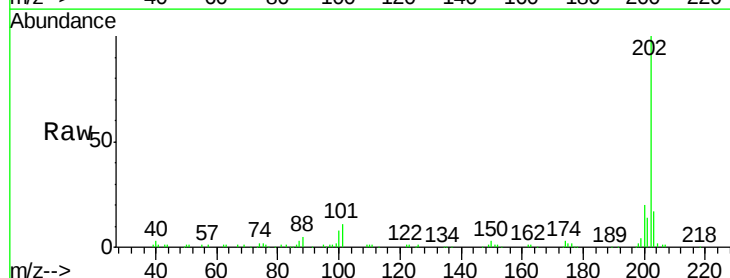


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

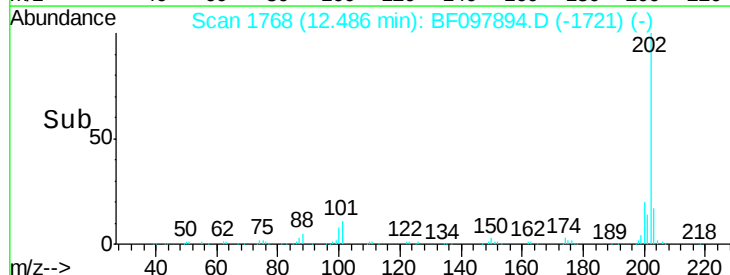
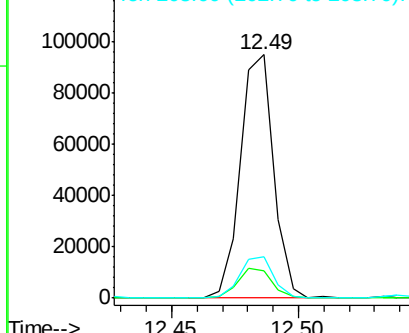


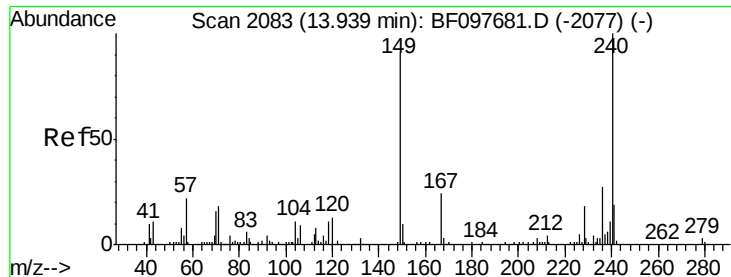
#74
Fluoranthene
Concen: 4.60 ng
RT: 12.49 min Scan# 1768
Delta R.T. -0.02 min
Lab File: BF097894.D
Acq: 19 Aug 2017 22:25

Tgt Ion:202 Resp: 86278
Ion Ratio Lower Upper
202 100
101 11.4 0.0 33.2
203 17.1 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: 13.91 min Scan# 2010

Delta R.T. -0.03 min

Lab File: BF097894.D

Acq: 19 Aug 2017 22:25

Instrument :

BNA_F

ClientSampleId :

OR-03-081617

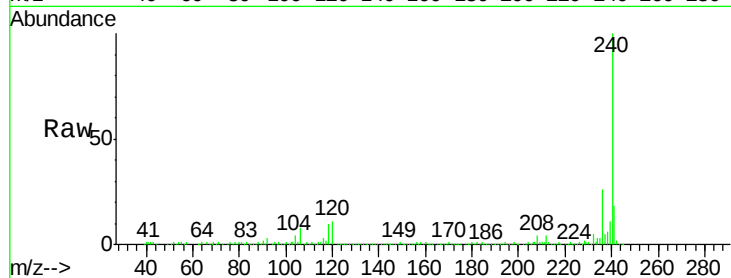
Tot Ion:240 Resp: 278573

Ion Ratio Lower Upper

240 100

120 11.4 5.8 8.8#

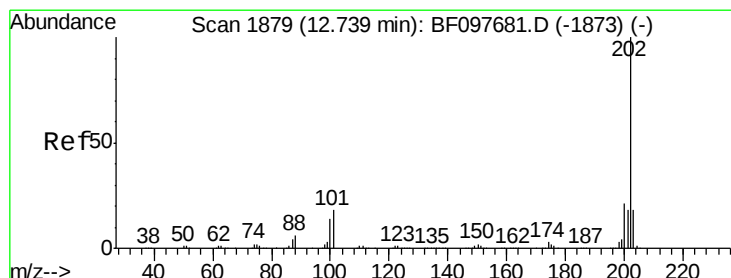
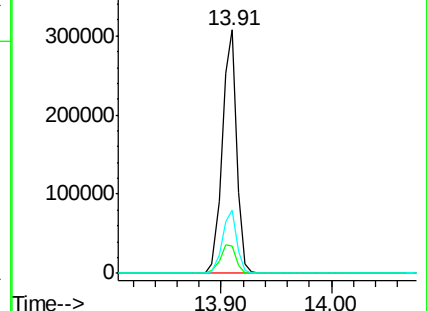
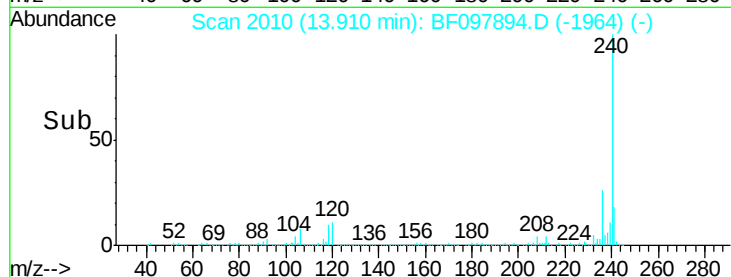
236 26.0 20.5 30.7



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: 3.46 ng

RT: 12.71 min Scan# 1806

Delta R.T. -0.03 min

Lab File: BF097894.D

Acq: 19 Aug 2017 22:25

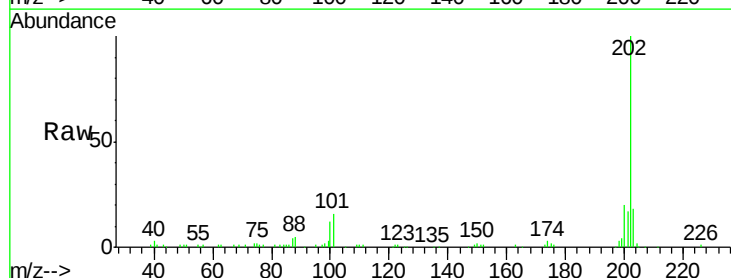
Tgt Ion:202 Resp: 78812

Ion Ratio Lower Upper

202 100

200 19.9 17.6 26.4

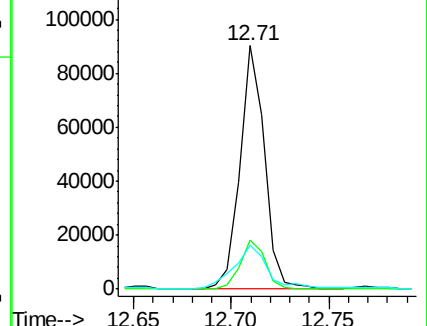
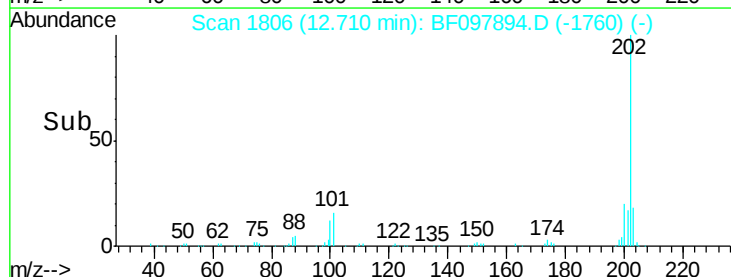
203 18.0 14.4 21.6

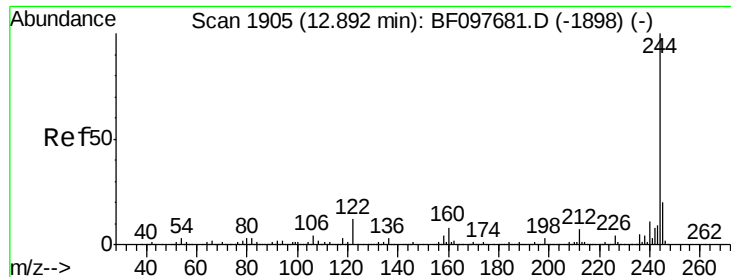


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 8.79 ng

RT: 12.86 min Scan# 1831

Delta R.T. -0.04 min

Lab File: BF097894.D

Acq: 19 Aug 2017 22:25

Instrument :

BNA_F

ClientSampleId :

OR-03-081617

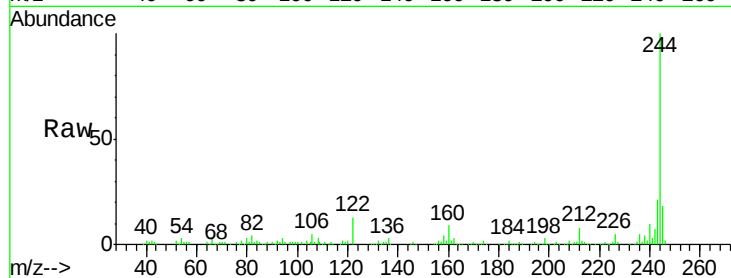
Tot Ion:244 Resp: 117425

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

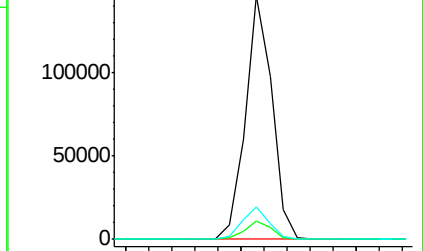
122 13.4 10.3 15.5



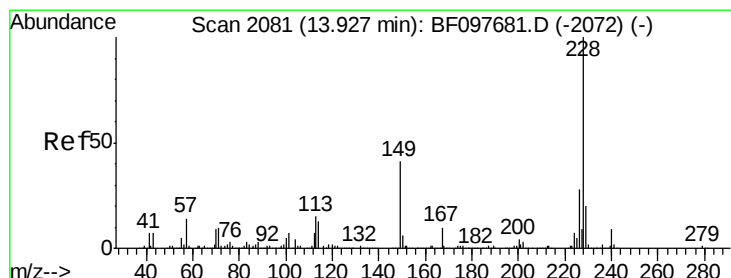
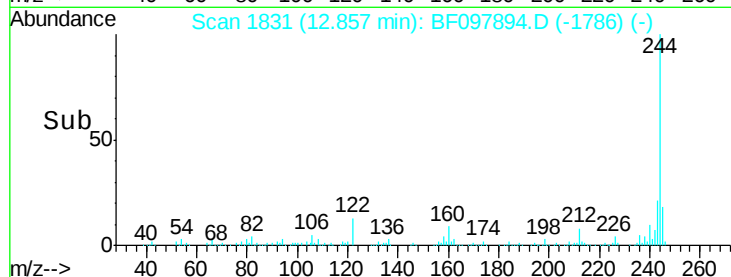
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->



#80

Benzo(a)anthracene

Concen: 2.51 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.03 min

Lab File: BF097894.D

Acq: 19 Aug 2017 22:25

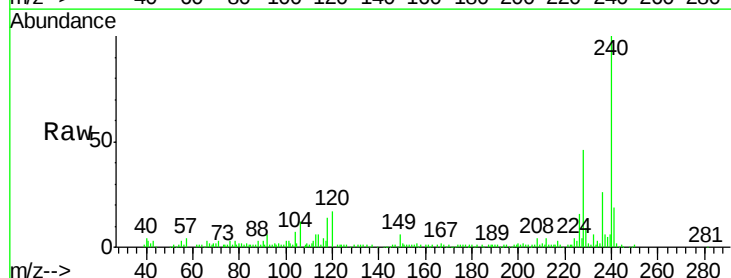
Tgt Ion:228 Resp: 41947

Ion Ratio Lower Upper

228 100

226 33.8 22.6 33.8

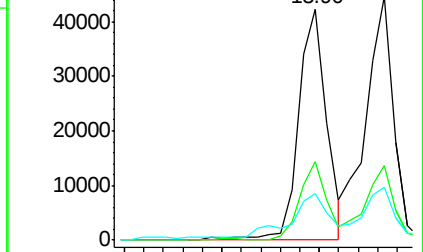
229 20.1 16.3 24.5



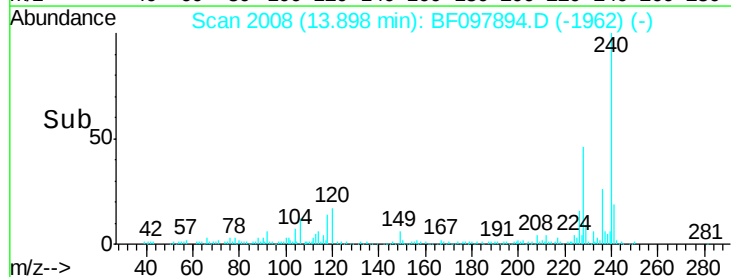
Abundance Ion 228.00 (227.70 to 228.70): E

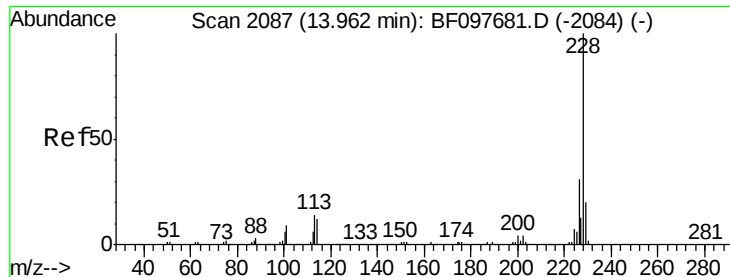
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->





#82

Chrysene

Concen: 2.69 ng

RT: 13.93 min Scan# 2014

Delta R.T. -0.03 min

Lab File: BF097894.D

Acq: 19 Aug 2017 22:25

Instrument :

BNA_F

ClientSampleId :

OR-03-081617

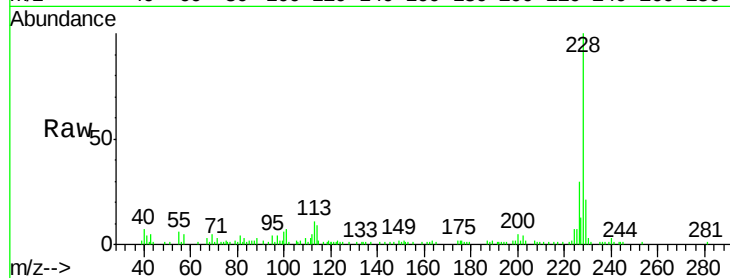
Tot Ion:228 Resp: 44689

Ion Ratio Lower Upper

228 100

226 30.5 24.9 37.3

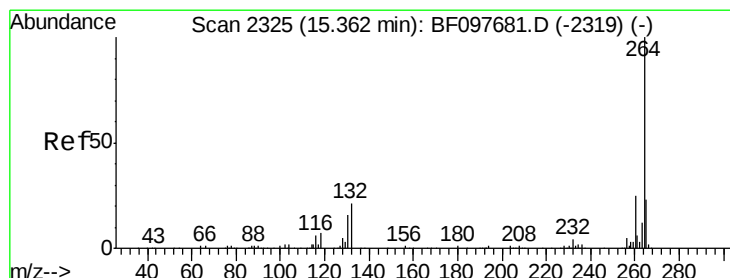
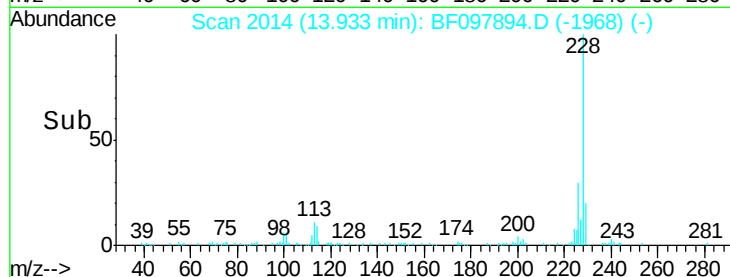
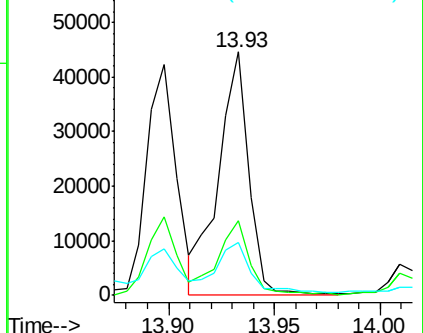
229 21.5 15.8 23.6



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: 15.33 min Scan# 2252

Delta R.T. -0.03 min

Lab File: BF097894.D

Acq: 19 Aug 2017 22:25

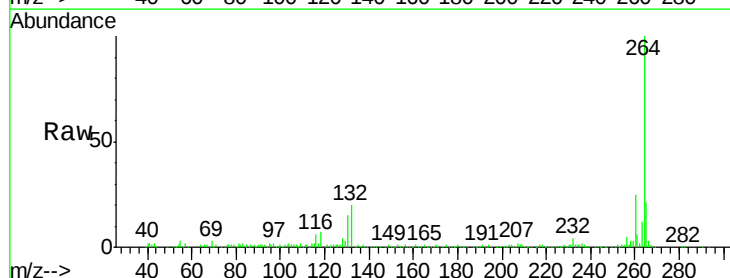
Tgt Ion:264 Resp: 213962

Ion Ratio Lower Upper

264 100

260 24.7 19.5 29.3

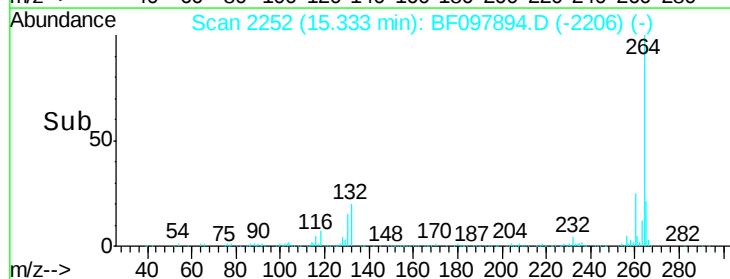
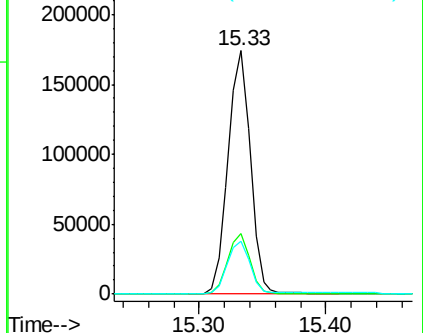
265 21.5 17.2 25.8

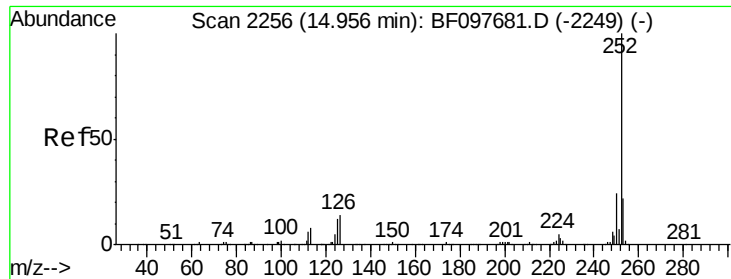


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

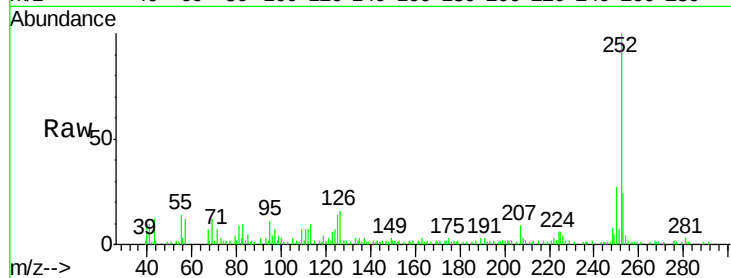




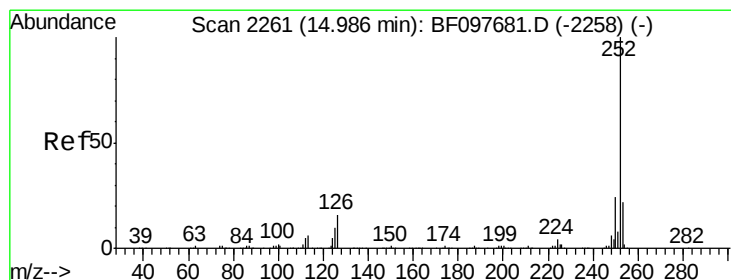
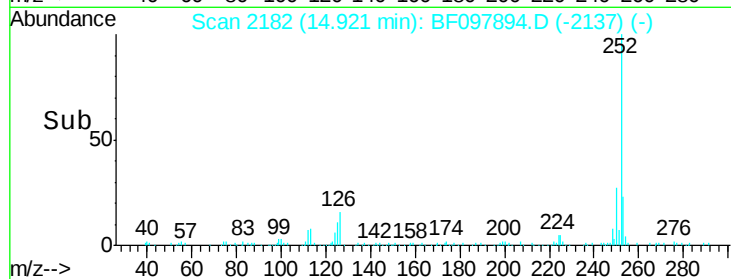
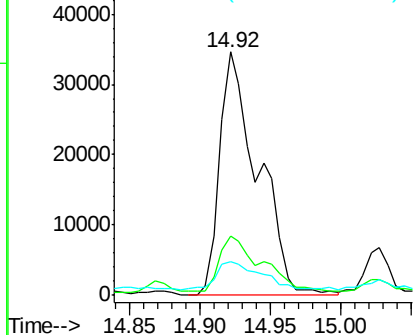
#87
Benzo(b)fluoranthene
Concen: 4.88 ng
RT: 14.92 min Scan# 2182
Delta R.T. -0.04 min
Lab File: BF097894.D
Acq: 19 Aug 2017 22:25

Instrument :
BNA_F
ClientSampleId :
OR-03-081617

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.1	27.1
125	14.1	9.8	14.8

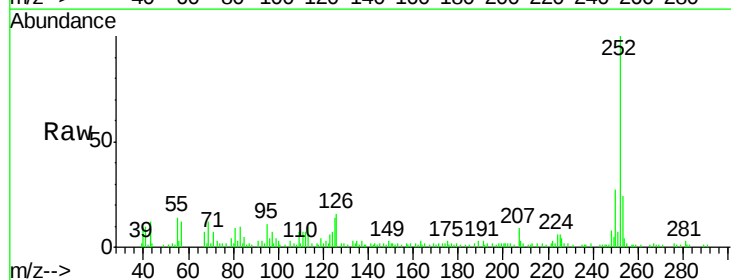


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

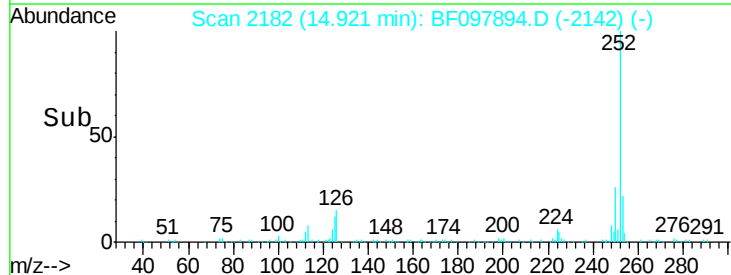
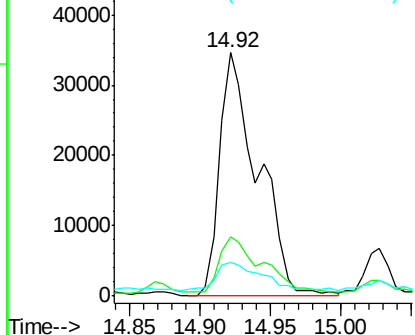


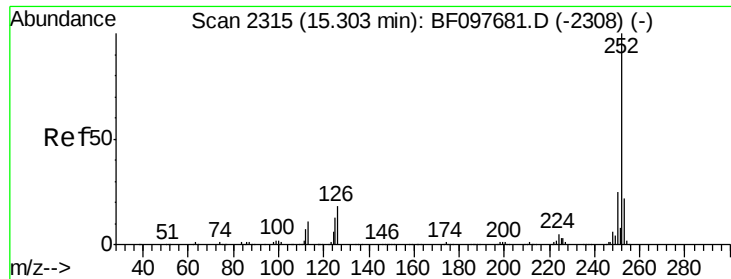
#88
Benzo(k)fluoranthene
Concen: 5.20 ng
RT: 14.92 min Scan# 2182
Delta R.T. -0.06 min
Lab File: BF097894.D
Acq: 19 Aug 2017 22:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.4	27.6
125	14.1	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: 2.62 ng

RT: 15.27 min Scan# 2241

Delta R.T. -0.04 min

Lab File: BF097894.D

Acq: 19 Aug 2017 22:25

Instrument :

BNA_F

ClientSampleId :

OR-03-081617

Tot Ion:252 Resp: 31334

Ion Ratio Lower Upper

252 100

253 25.2 17.5 26.3

125 15.9 11.0 16.4

