

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091317\
 Data File : BF098503.D
 Acq On : 13 Sep 2017 21:39
 Operator : SJ/JU
 Sample : I5182-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G-2

Manual Integrations
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Sohil
 9/14/2017 5:52:49 PM

Quant Time: Sep 14 07:14:59 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 02:14:50 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	175045	20.00	ng	-0.01
21) Naphthalene-d8	7.94	136	686965	20.00	ng	-0.01
38) Acenaphthene-d10	9.69	164	275360	20.00	ng	-0.02
63) Phenanthrene-d10	11.17	188	412837	20.00	ng	-0.02
75) Chrysene-d12	13.81	240	329452	20.00	ng	0.00
86) Perylene-d12	15.22	264	238933	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.26	112	1162575	98.20	ng	-0.01
7) Phenol-d6	6.31	99	1418738	94.38	ng	-0.01
23) Nitrobenzene-d5	7.23	82	884884	71.81	ng	-0.01
41) 2,4,6-Tribromophenol	10.48	330	195726	106.50	ng	-0.01
44) 2-Fluorobiphenyl	9.02	172	1406686	86.59	ng	-0.02
78) Terphenyl-d14	12.76	244	910486	59.65	ng	-0.01

Target Compounds

						Qvalue
10) Phenol	6.32	94	60028	3.438	ng	98
31) Naphthalene	7.96	128	467032	13.752	ng	98
37) 2-Methylnaphthalene	8.65	142	341655	16.609	ng	100
45) 1,1'-Biphenyl	9.12	154	104645	4.246	ng	97
48) Acenaphthylene	9.55	152	107838	4.120	ng	# 95
49) Dimethylphthalate	9.41	163	188377	8.838	ng	99
54) Dibenzofuran	9.89	168	209535	9.561	ng	# 97
70) Phenanthrene	11.19	178	583697	26.670	ng	99
71) Anthracene	11.25	178	206697	9.199	ng	99
72) Carbazole	11.40	167	48120	2.298	ng	94
74) Fluoranthene	12.38	202	700417	31.969	ng	99
77) Pyrene	12.61	202	524923	20.198	ng	99
80) Benzo(a)anthracene	13.80	228	307189	15.904	ng	94
82) Chrysene	13.83	228	424090m	21.721	ng	
85) Indeno(1,2,3-cd)pyrene	16.57	276	124651m	9.100	ng	
87) Benzo(b)fluoranthene	14.82	252	440585m	29.326	ng	
88) Benzo(k)fluoranthene	14.84	252	119944m	8.552	ng	
89) Benzo(a)pyrene	15.16	252	158306	11.828	ng	# 90
90) Dibenzo(a,h)anthracene	16.57	278	36947	3.795	ng	# 69
91) Benzo(a,h,i)perylene	16.97	276	107477	10.975	ng	97

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

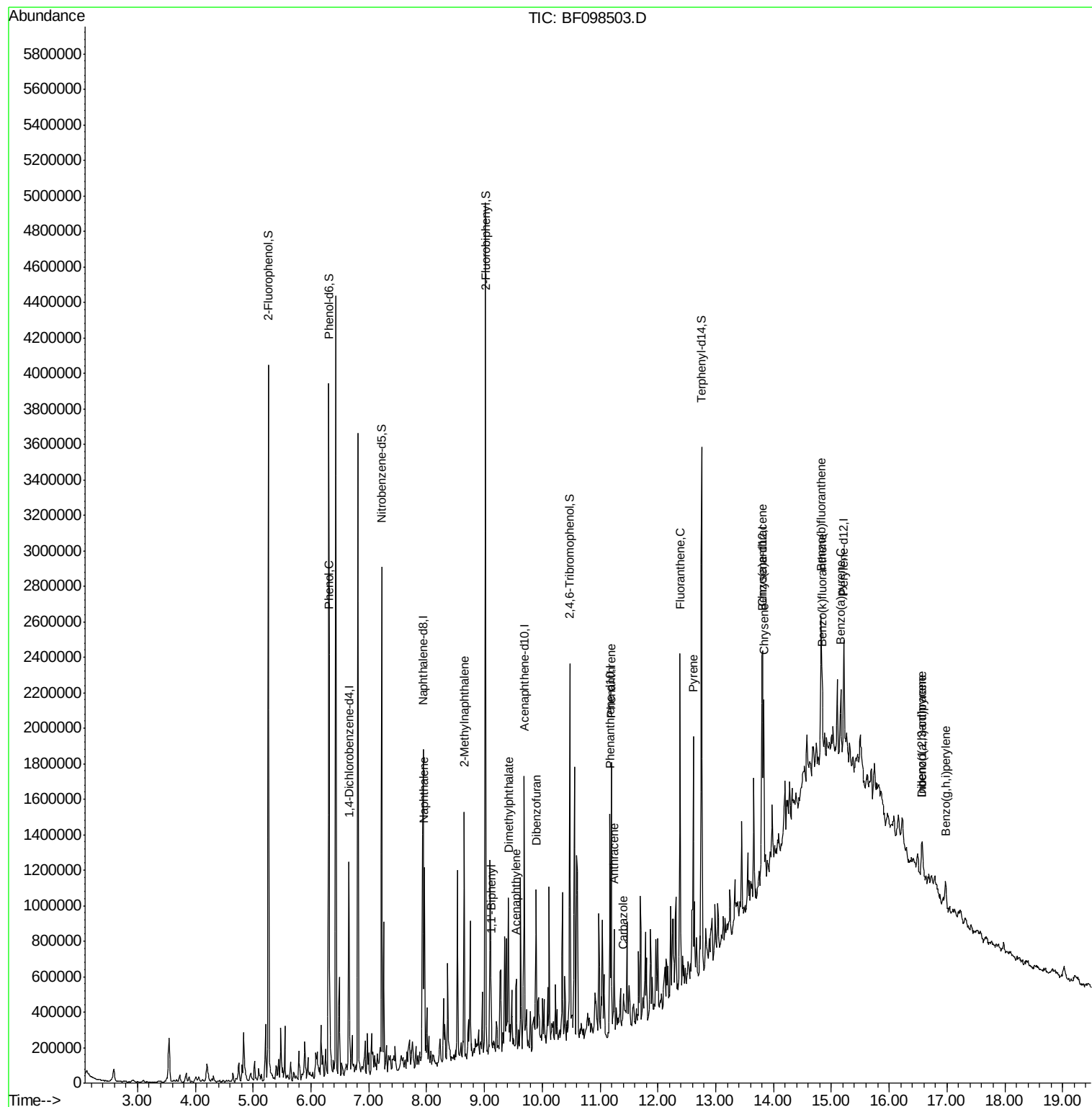
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF091317\
Data File : BF098503.D
Acq On : 13 Sep 2017 21:39
Operator : SJ/JU
Sample : I5182-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

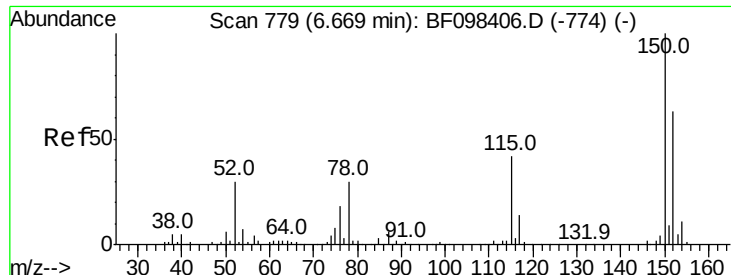
Instrument :
BNA_F
ClientSampleId :
G-2

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Quant Time: Sep 14 07:14:59 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

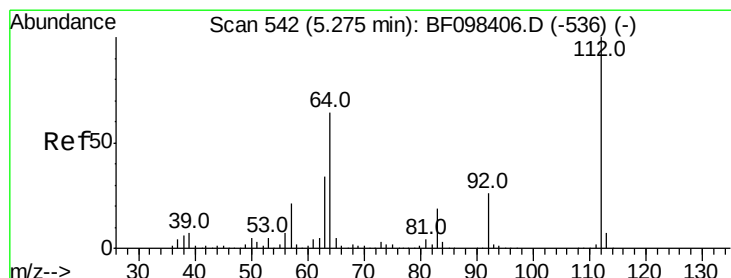
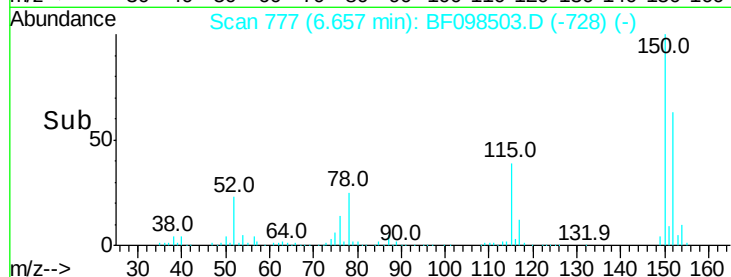
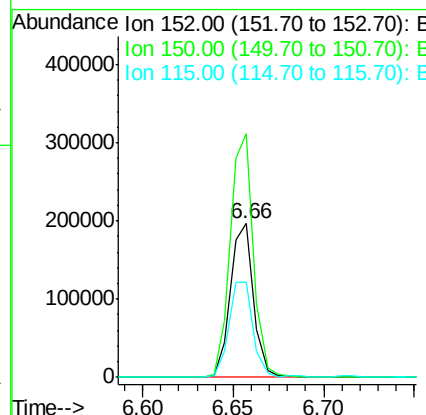
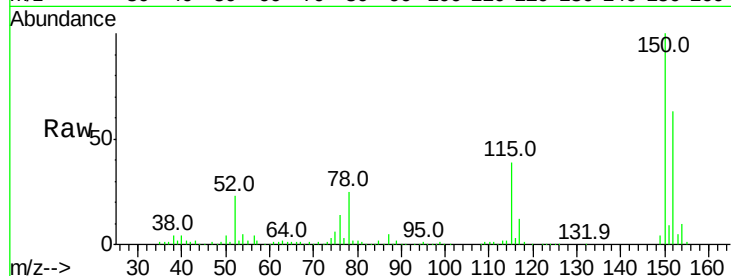
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.66 min Scan# 777
Delta R.T. -0.01 min
Lab File: BF098503.D
Acq: 13 Sep 2017 21:39

Instrument :
BNA_F
ClientSampled :
G-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.2	126.2	189.2
115	61.9	52.2	78.2

Manual Integrations
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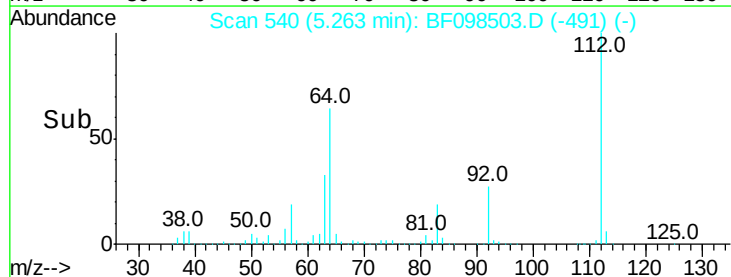
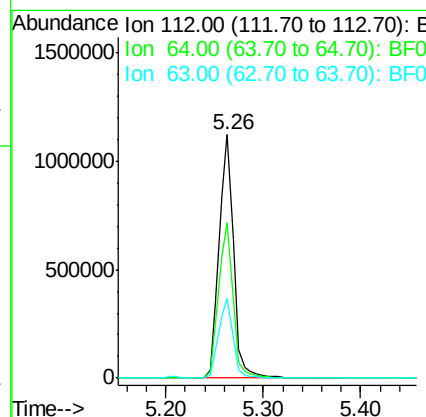
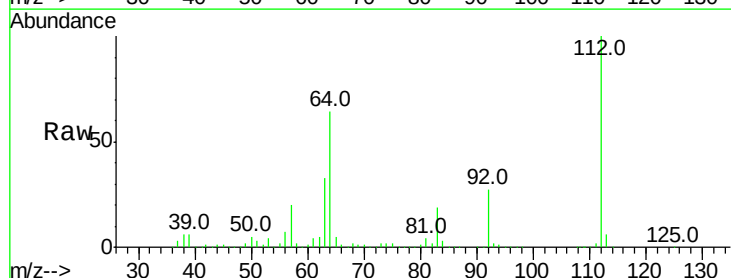
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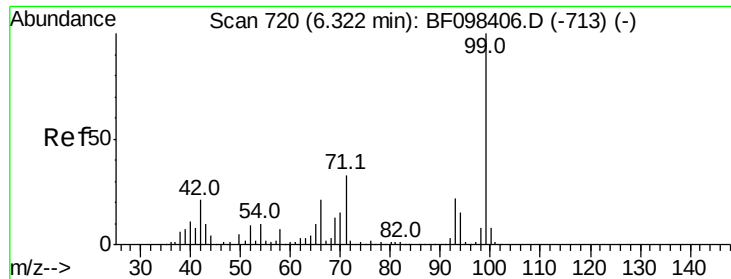


#5

2-Fluorophenol
Concen: 98.197 ng
RT: 5.26 min Scan# 540
Delta R.T. -0.01 min
Lab File: BF098503.D
Acq: 13 Sep 2017 21:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.7	46.0	69.0
63	32.9	23.4	35.0





#7

Phenol-d6

Concen: 94.383 ng

RT: 6.31 min Scan# 718

Delta R.T. -0.01 min

Lab File: BF098503.D

Acq: 13 Sep 2017 21:39

Instrument :

BNA_F

ClientSampleId :

G-2

Tot Ion: 99 Resp: 1418738

Ion Ratio Lower Upper

99 100

42 19.1 13.5 20.3

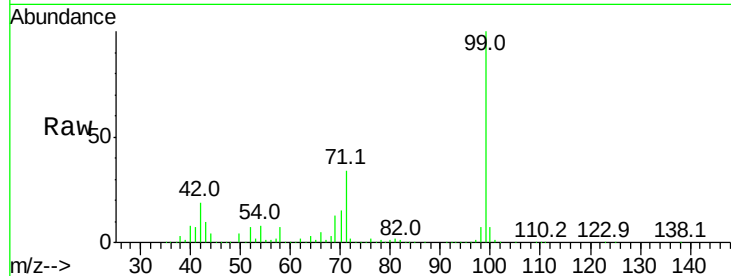
71 34.3 24.5 36.7

Manual Integrations

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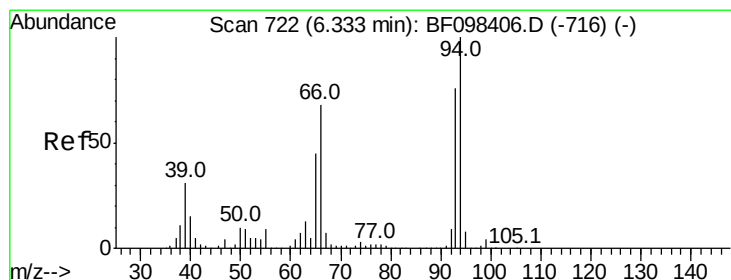
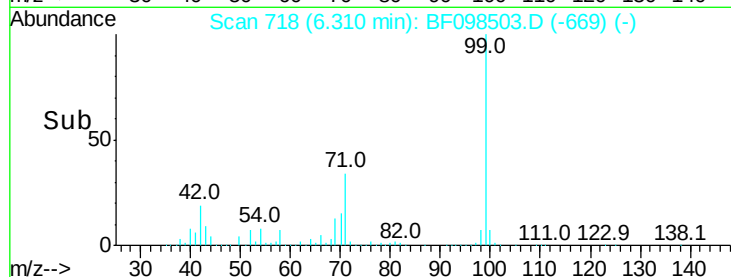
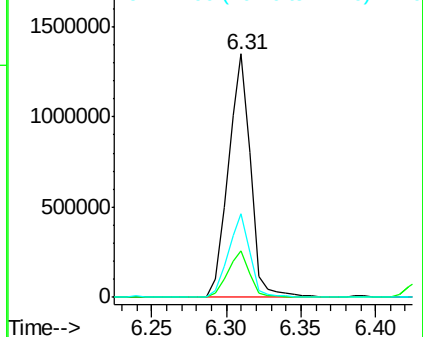
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 3.438 ng

RT: 6.32 min Scan# 720

Delta R.T. -0.01 min

Lab File: BF098503.D

Acq: 13 Sep 2017 21:39

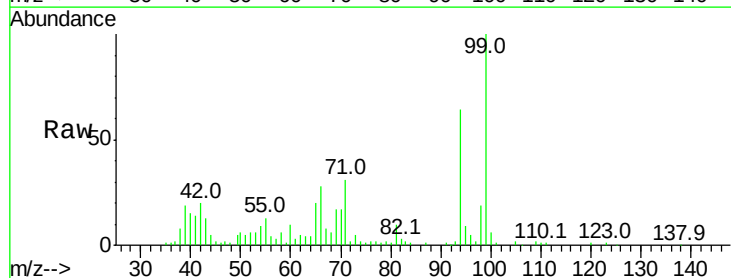
Tgt Ion: 94 Resp: 60028

Ion Ratio Lower Upper

94 100

65 31.9 9.9 49.9

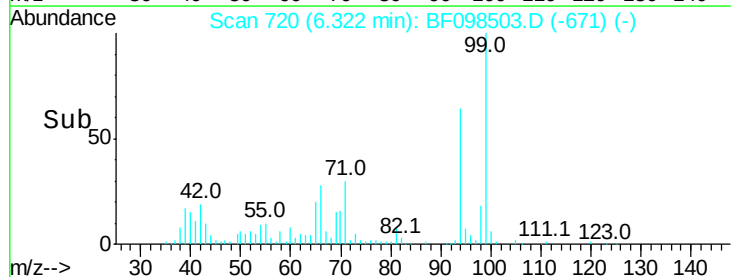
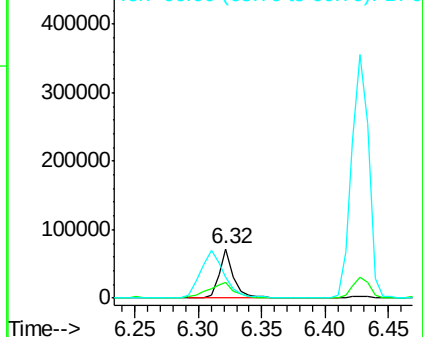
66 43.5 23.1 63.1

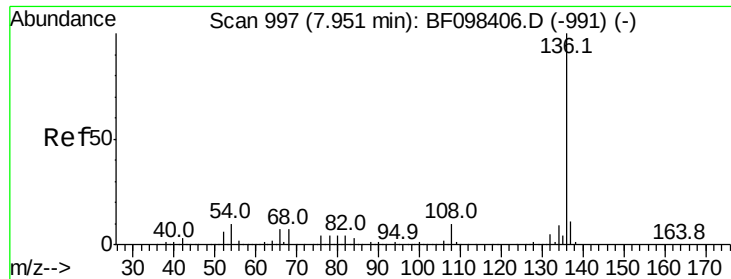


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





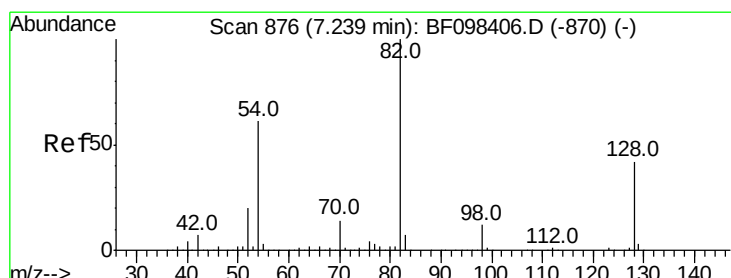
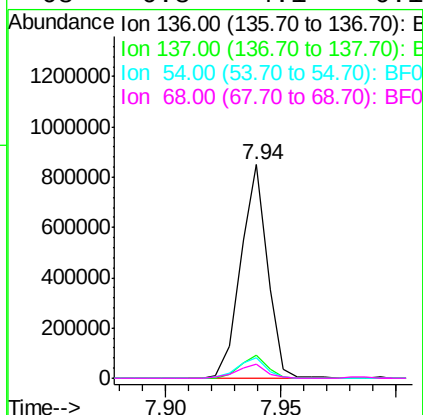
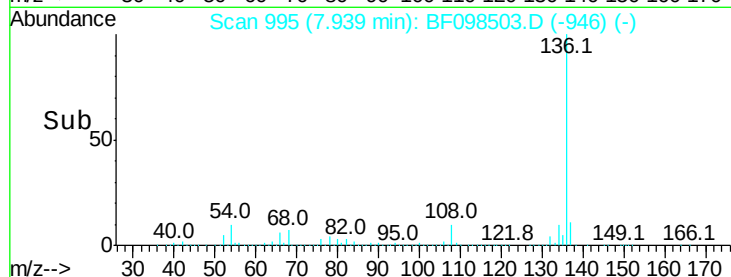
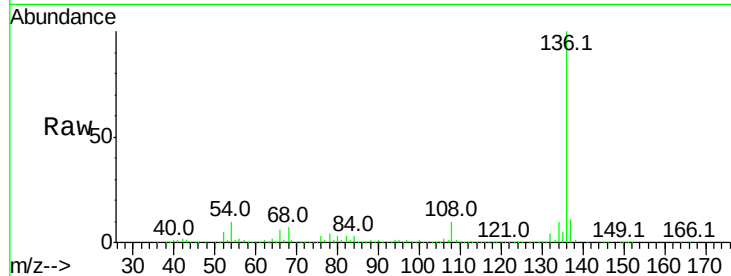
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.94 min Scan# 995
Delta R.T. -0.01 min
Lab File: BF098503.D
Acq: 13 Sep 2017 21:39

Instrument :
BNA_F
ClientSampled :
G-2

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.1	8.5	12.7
54	9.6	4.9	7.3#
68	6.8	4.1	6.1#

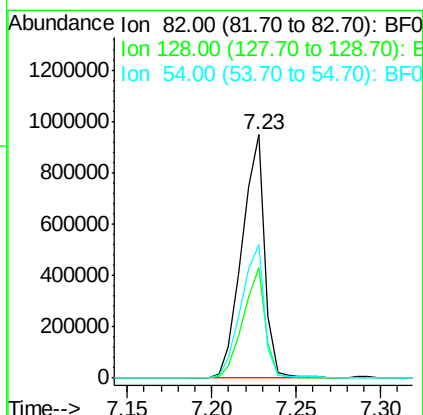
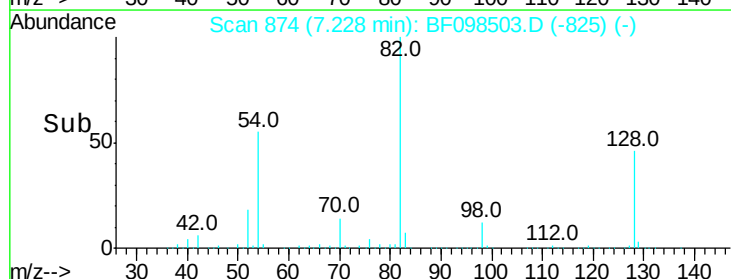
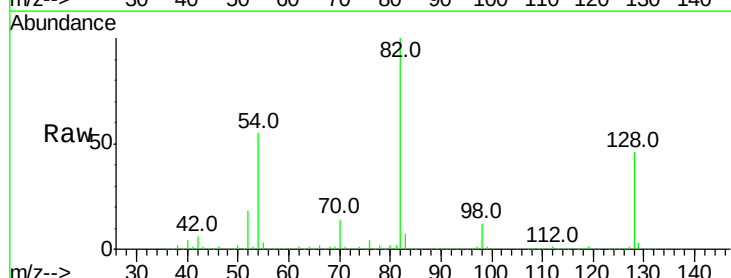
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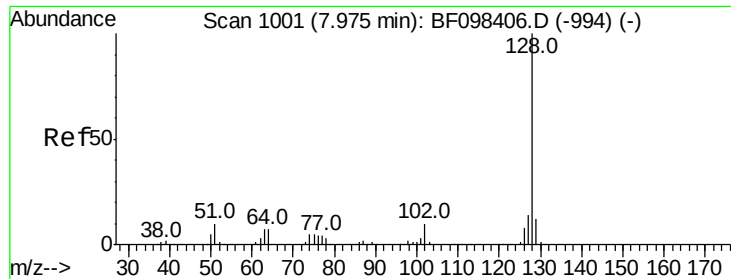
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#23
Nitrobenzene-d5
Concen: 71.811 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.01 min
Lab File: BF098503.D
Acq: 13 Sep 2017 21:39

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	45.6	34.0	51.0
54	54.6	42.2	63.2





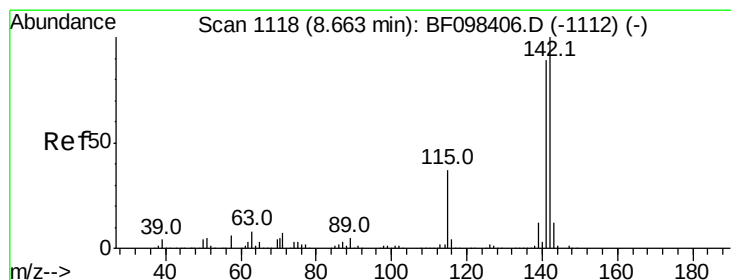
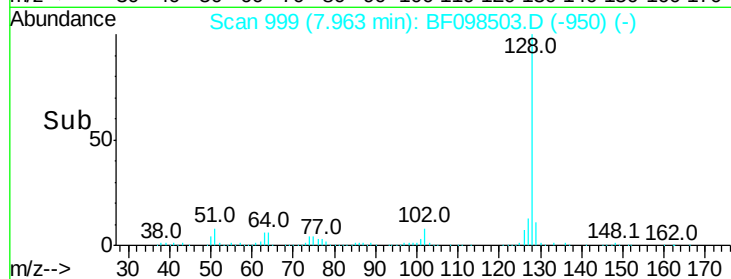
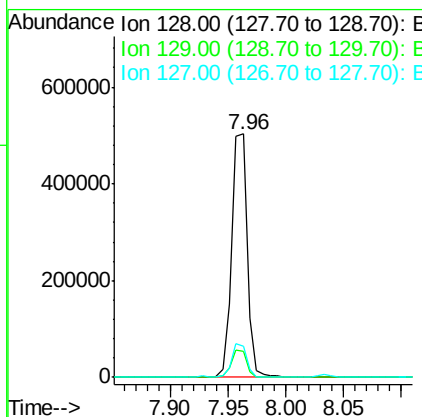
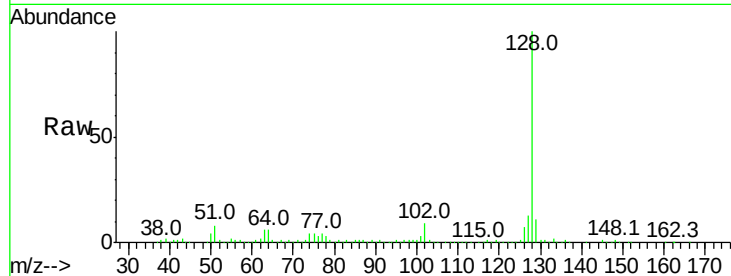
#31
Naphthalene
Concen: 13.752 ng
RT: 7.96 min Scan# 999
Delta R.T. -0.01 min
Lab File: BF098503.D
Acq: 13 Sep 2017 21:39

Instrument :
BNA_F
ClientSampleId :
G-2

Tot Ion	Ratio	Resp	Lower	Upper
128	100	467032		
129	10.7	9.0	13.6	
127	12.9	10.8	16.2	

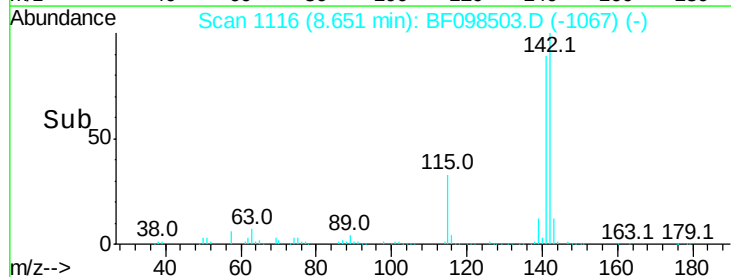
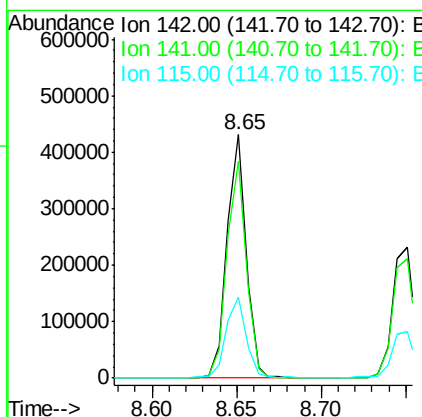
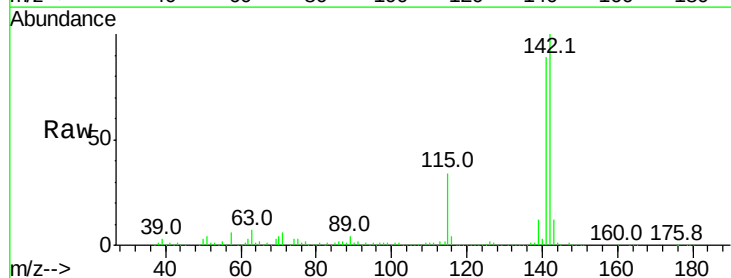
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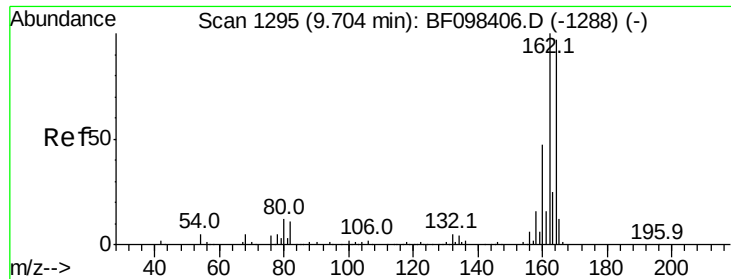
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#37
2-Methylnaphthalene
Concen: 16.609 ng
RT: 8.65 min Scan# 1116
Delta R.T. -0.01 min
Lab File: BF098503.D
Acq: 13 Sep 2017 21:39

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	341655		
141	88.9	71.3	106.9	
115	33.5	27.1	40.7	





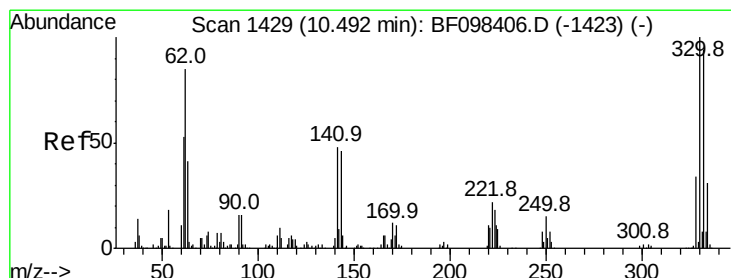
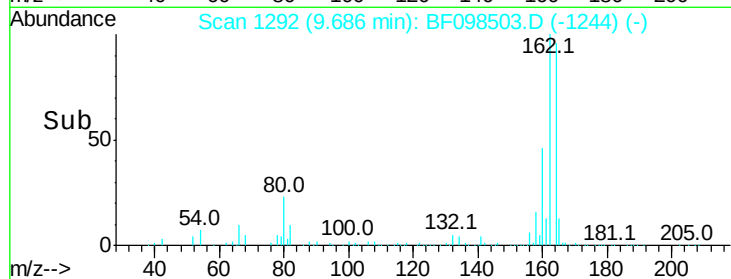
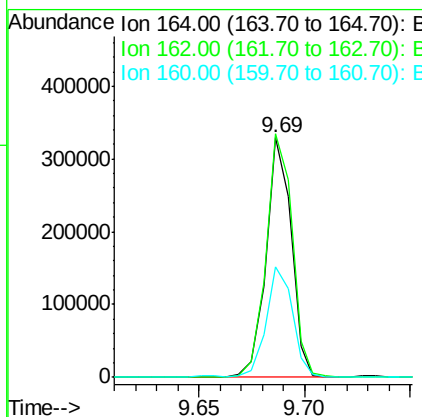
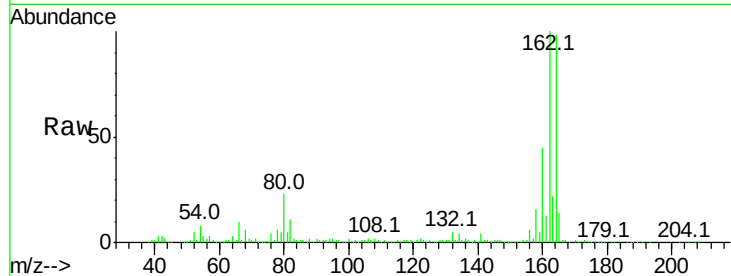
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.02 min
Lab File: BF098503.D
Acq: 13 Sep 2017 21:39

Instrument :
BNA_F
ClientSampled :
G-2

Tot Ion	Ratio	Resp	Lower	Upper
164	100	275360		
162	101.7	82.6	123.8	
160	46.3	36.2	54.2	

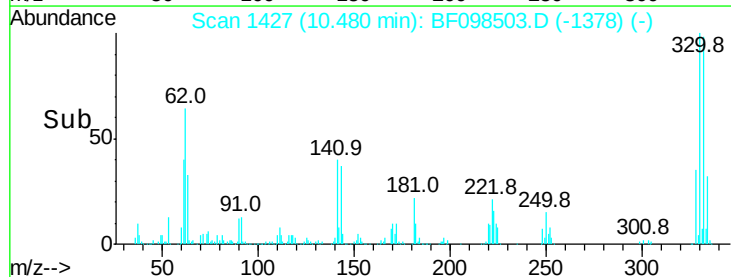
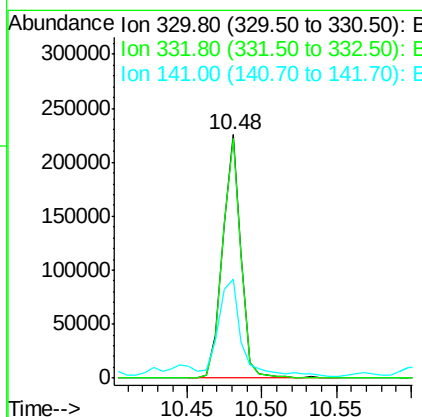
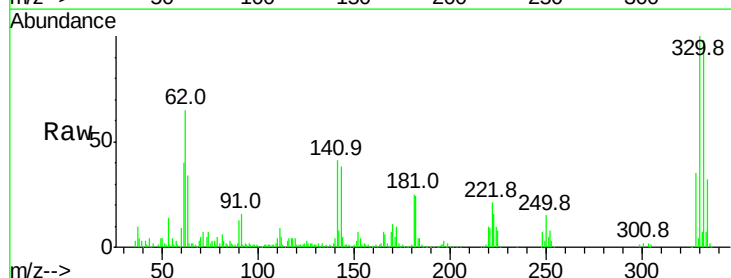
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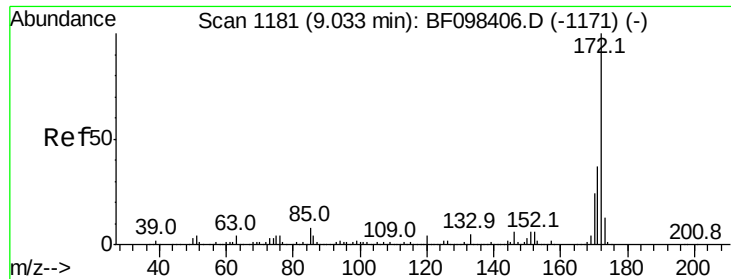
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#41
2,4,6-Tribromophenol
Concen: 106.500 ng
RT: 10.48 min Scan# 1427
Delta R.T. -0.01 min
Lab File: BF098503.D
Acq: 13 Sep 2017 21:39

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	195726		
332	98.7	76.6	115.0	
141	50.4	31.4	47.2	





#44

2-Fluorobiphenyl

Concen: 86.585 ng

RT: 9.02 min Scan# 1178

Delta R.T. -0.02 min

Lab File: BF098503.D

Acq: 13 Sep 2017 21:39

Instrument :

BNA_F

ClientSampleId :

G-2

Tot Ion:172 Resp: 1406686

Ion Ratio Lower Upper

172 100

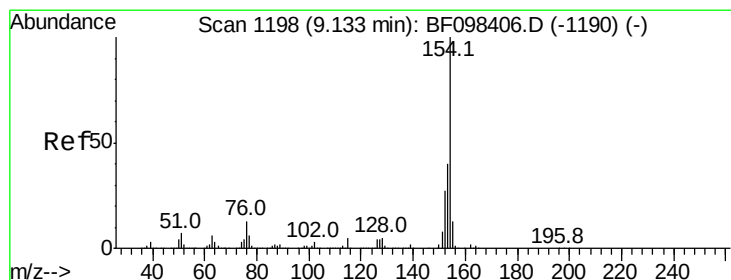
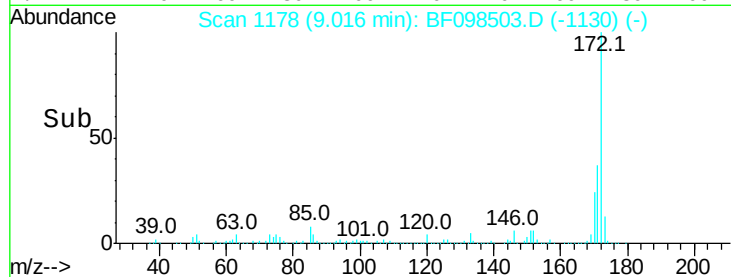
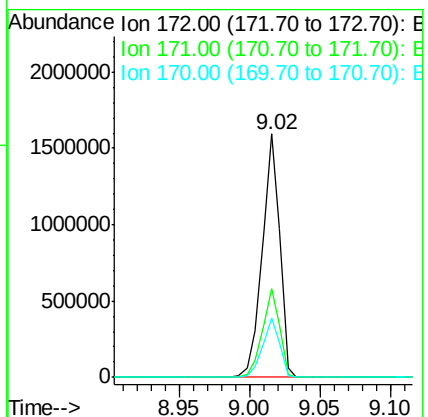
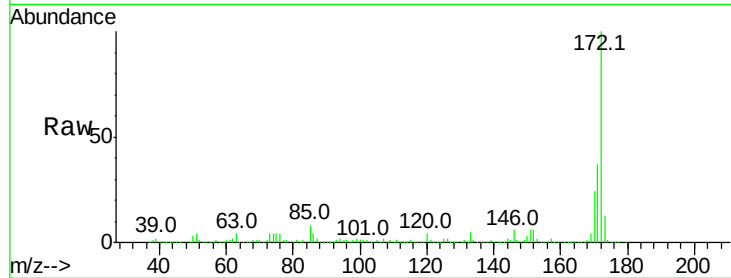
171 36.7 29.6 44.4

170 24.2 19.8 29.8

Manual Integrations
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#45

1,1'-Biphenyl

Concen: 4.246 ng

RT: 9.12 min Scan# 1195

Delta R.T. -0.02 min

Lab File: BF098503.D

Acq: 13 Sep 2017 21:39

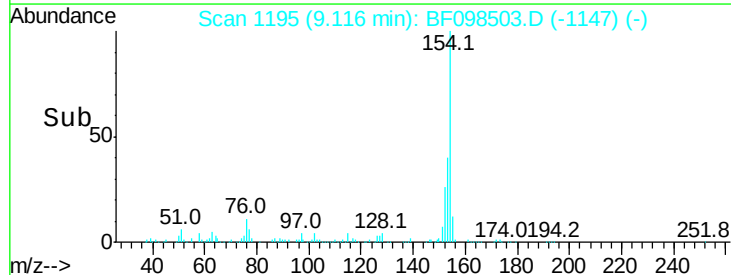
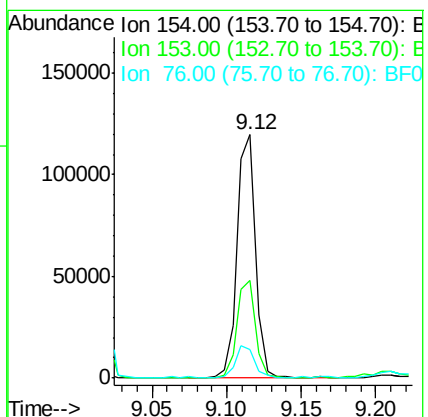
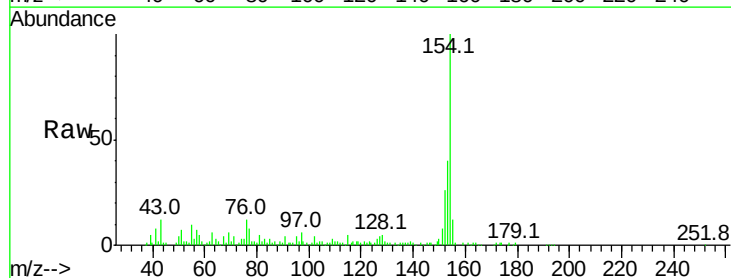
Tgt Ion:154 Resp: 104645

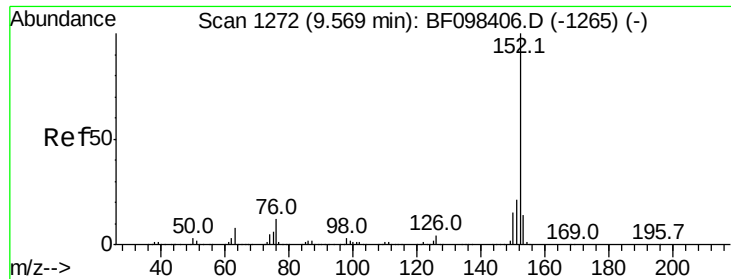
Ion Ratio Lower Upper

154 100

153 40.1 21.2 61.2

76 11.9 0.0 29.9





#48

Acenaphthylene

Concen: 4.120 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.02 min

Lab File: BF098503.D

Acq: 13 Sep 2017 21:39

Instrument :

BNA_F

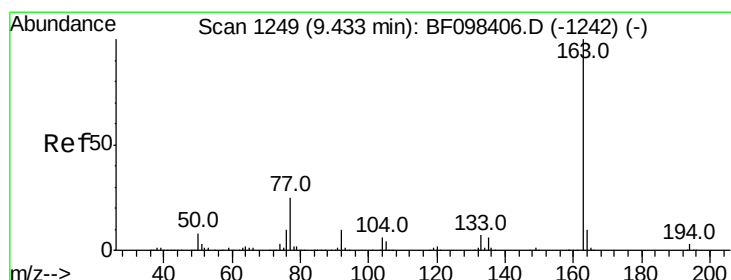
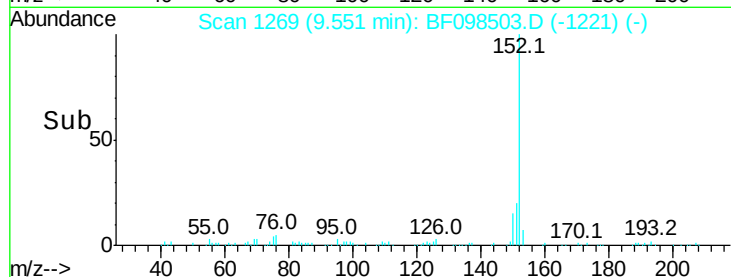
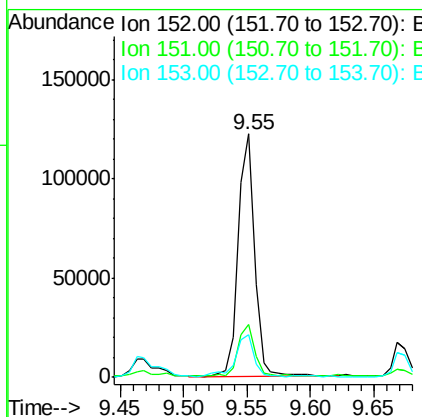
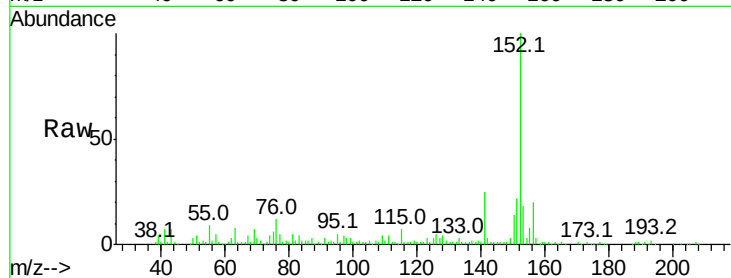
ClientSampled :

G-2

Tot Ion	Ratio	Resp	Lower	Upper
152	100	107838		
151	21.6		16.8	25.2
153	17.8		10.8	16.2#

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#49

Dimethylphthalate

Concen: 8.838 ng

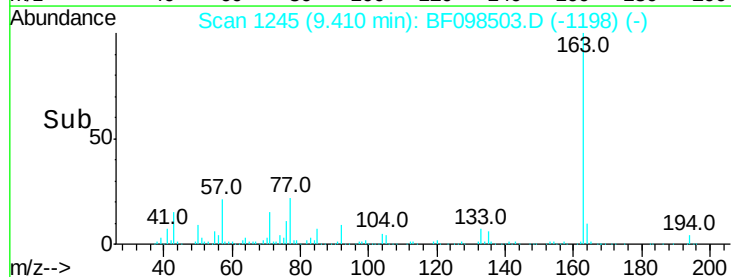
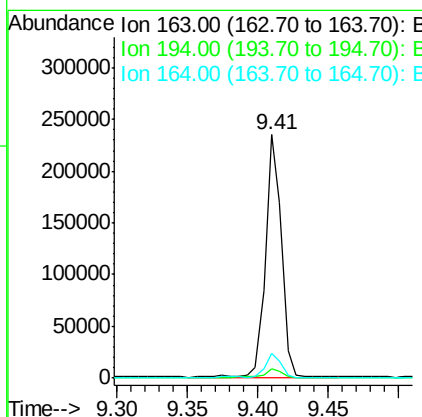
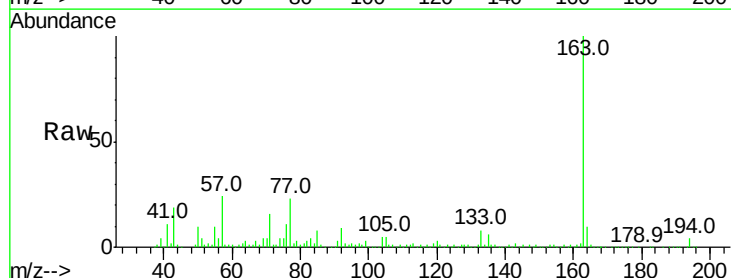
RT: 9.41 min Scan# 1245

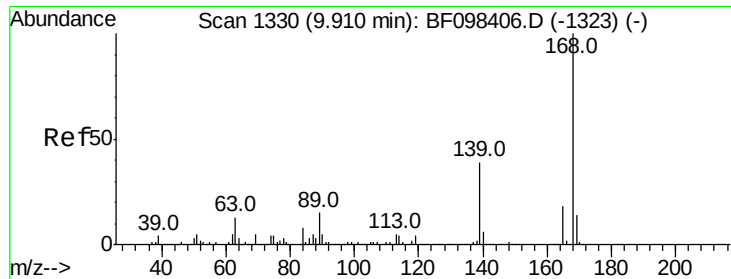
Delta R.T. -0.02 min

Lab File: BF098503.D

Acq: 13 Sep 2017 21:39

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	188377		
194	3.9		2.6	4.0
164	10.2		8.4	12.6





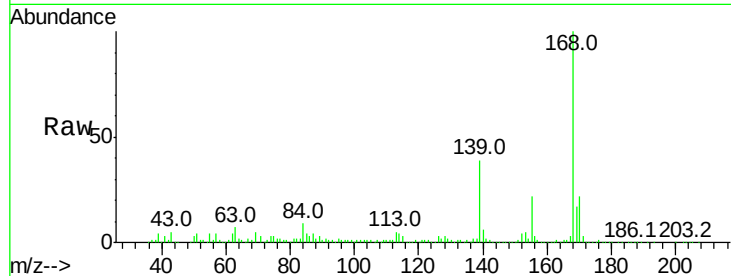
#54
Dibenzofuran
Concen: 9.561 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.02 min
Lab File: BF098503.D
Acq: 13 Sep 2017 21:39

Instrument :
BNA_F
ClientSampleId :
G-2

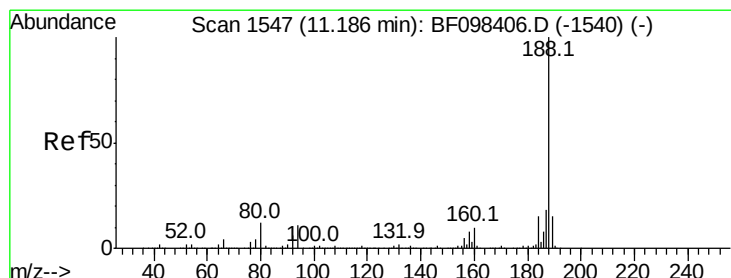
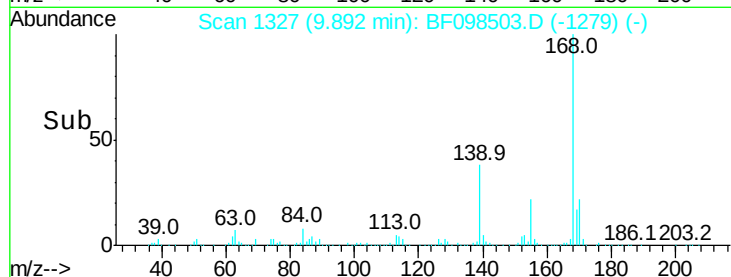
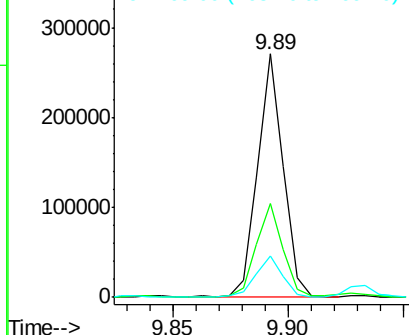
Tot Ion	Ratio	Resp Lower	Resp Upper
168	100		
139	38.5	30.6	45.8
169	16.9	10.8	16.2

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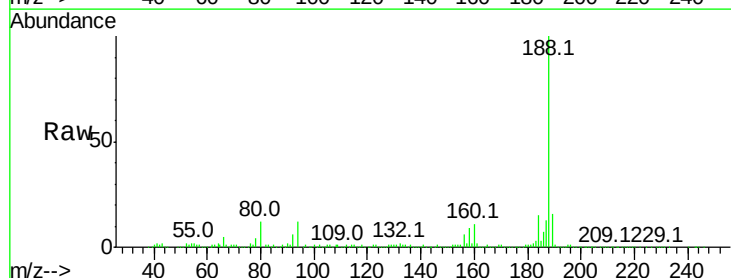


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

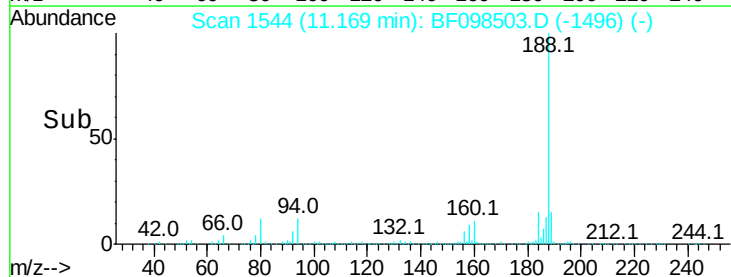
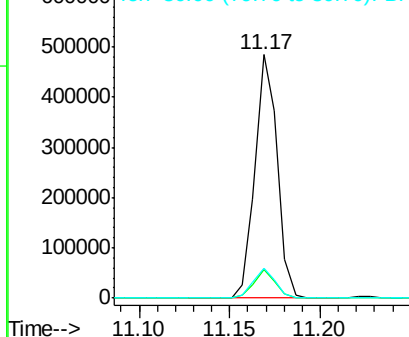


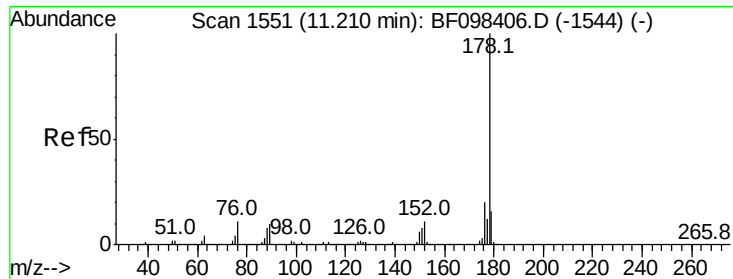
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.17 min Scan# 1544
Delta R.T. -0.02 min
Lab File: BF098503.D
Acq: 13 Sep 2017 21:39

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	11.8	9.4	14.2
80	12.3	10.2	15.2



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





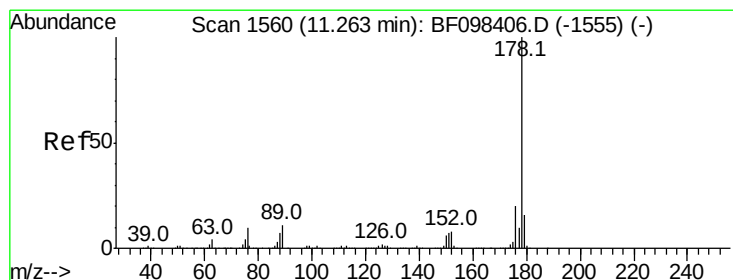
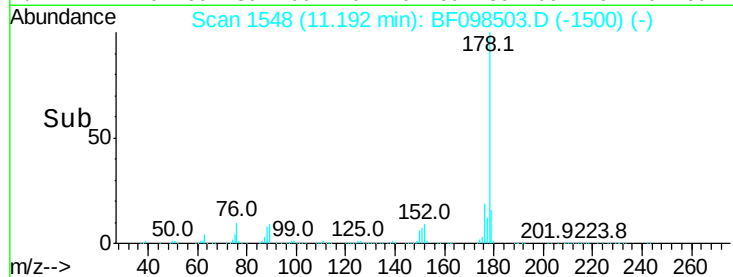
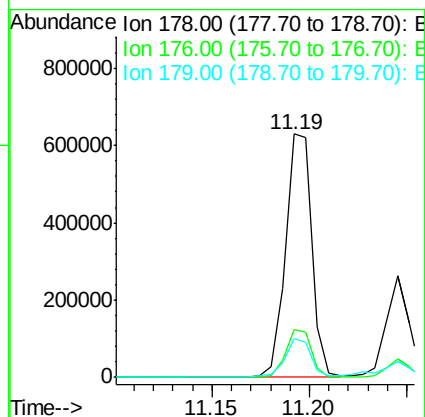
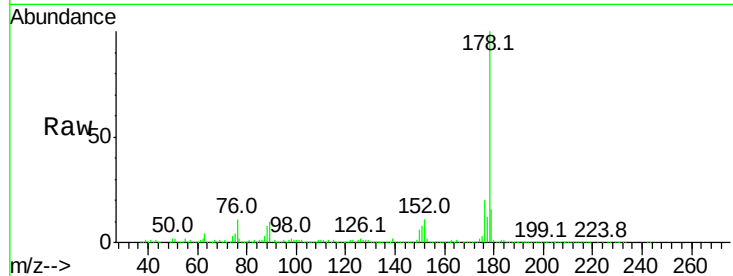
#70
Phenanthrene
Concen: 26.670 ng
RT: 11.19 min Scan# 1548
Delta R.T. -0.02 min
Lab File: BF098503.D
Acq: 13 Sep 2017 21:39

Instrument :
BNA_F
ClientSampleId :
G-2

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.2	24.4
179	15.8	12.6	19.0

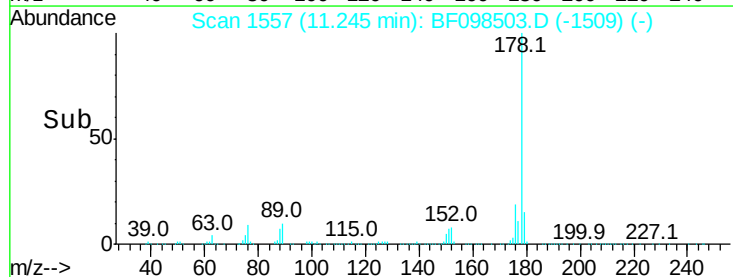
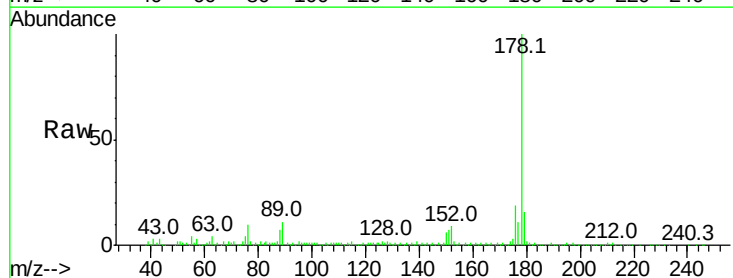
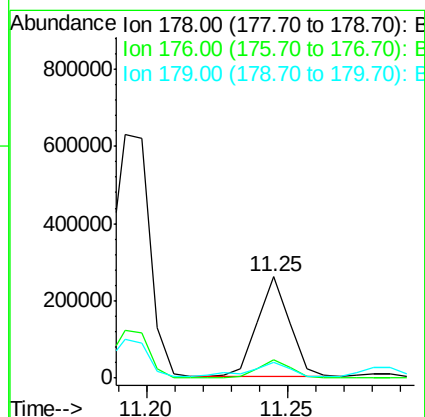
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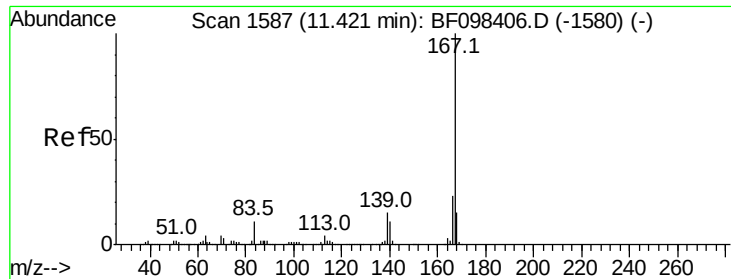
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#71
Anthracene
Concen: 9.199 ng
RT: 11.25 min Scan# 1557
Delta R.T. -0.02 min
Lab File: BF098503.D
Acq: 13 Sep 2017 21:39

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.8	23.8
179	15.8	12.7	19.1





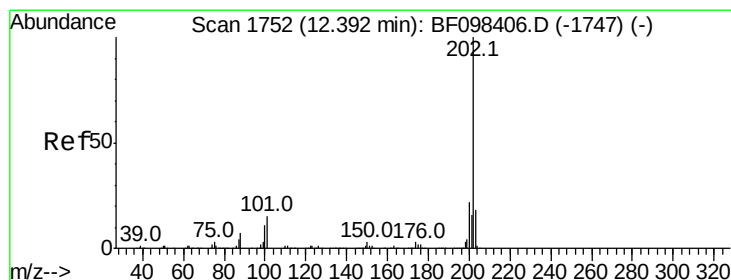
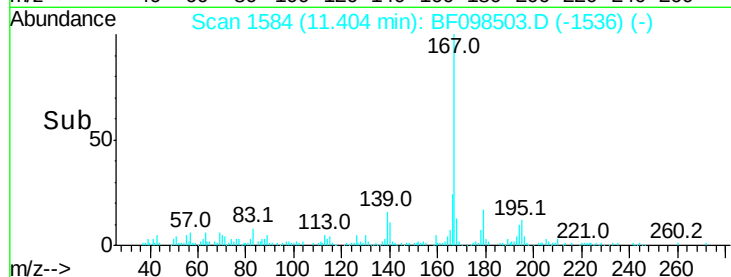
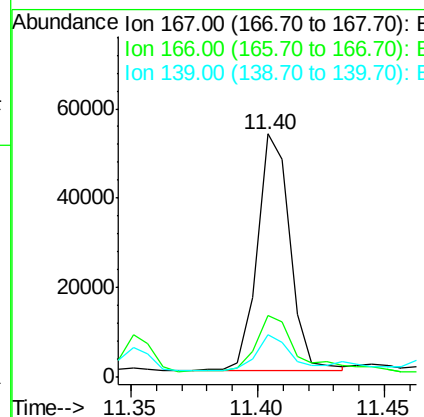
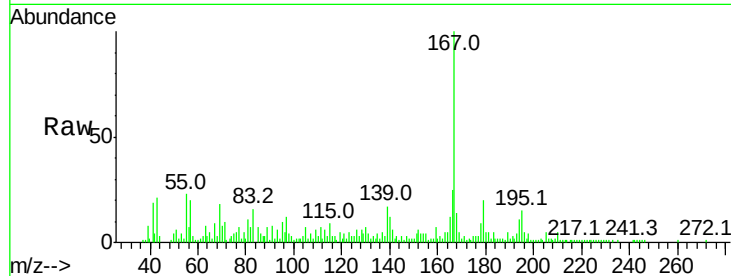
#72
 Carbazole
 Concen: 2.298 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.02 min
 Lab File: BF098503.D
 Acq: 13 Sep 2017 21:39

Instrument :
 BNA_F
 ClientSampled :
 G-2

Tot Ion:	167	Resp:	48120
Ion Ratio	Lower	Upper	
167	100		
166	25.2	18.1	27.1
139	17.4	11.7	17.5

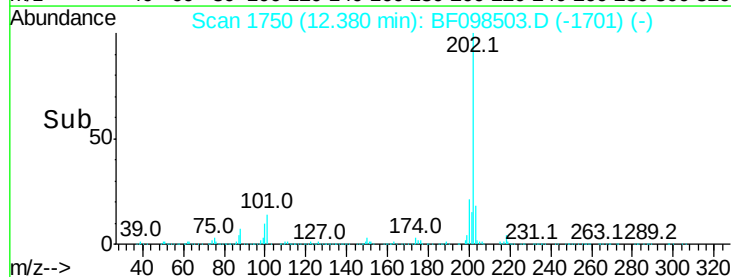
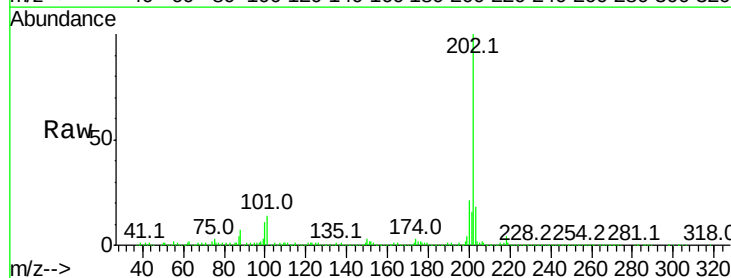
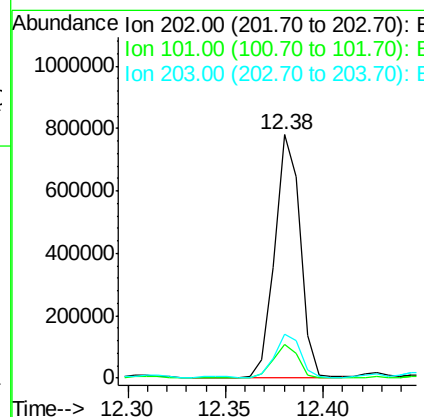
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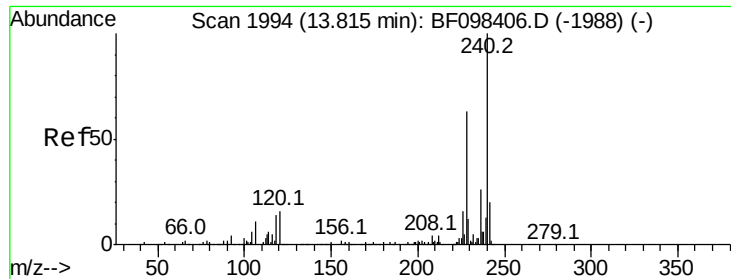
Sohil
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#74
 Fluoranthene
 Concen: 31.969 ng
 RT: 12.38 min Scan# 1750
 Delta R.T. -0.01 min
 Lab File: BF098503.D
 Acq: 13 Sep 2017 21:39

Tgt Ion:	202	Resp:	700417
Ion Ratio	Lower	Upper	
202	100		
101	14.0	0.0	33.2
203	17.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.81 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BF098503.D

Acq: 13 Sep 2017 21:39

Instrument :

BNA_F

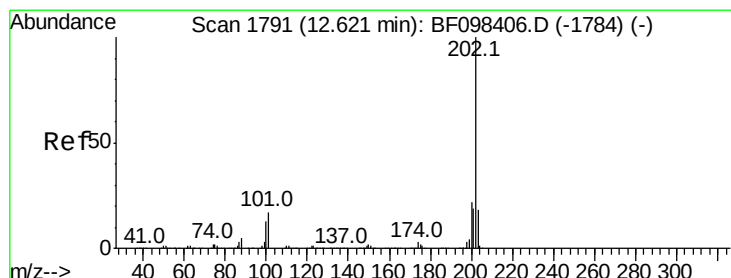
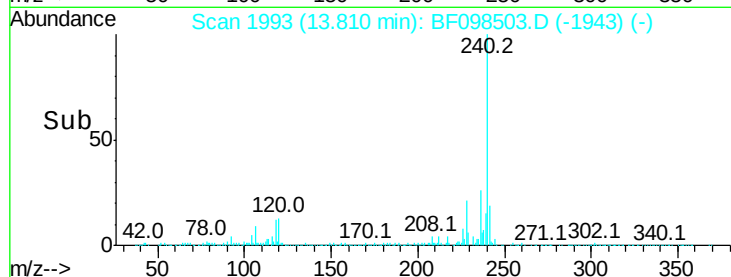
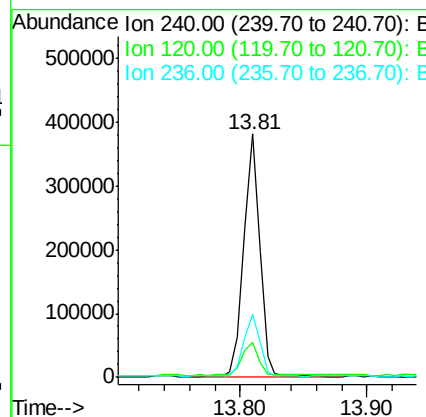
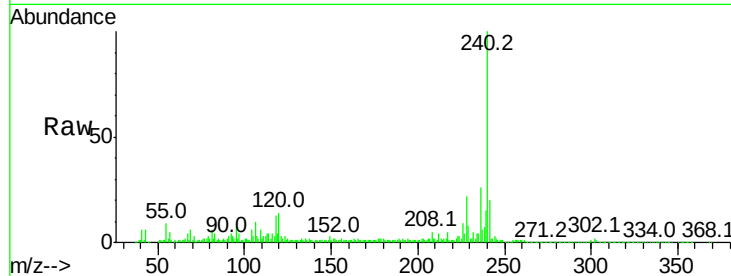
ClientSampled :

G-2

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	14.2	5.8	8.8#	
236	26.0	20.5	30.7	

Manual Integrations
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#77

Pyrene

Concen: 20.198 ng

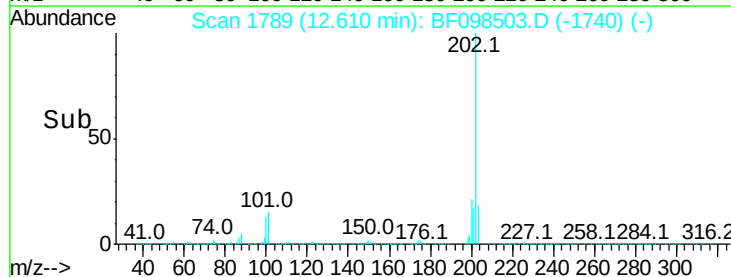
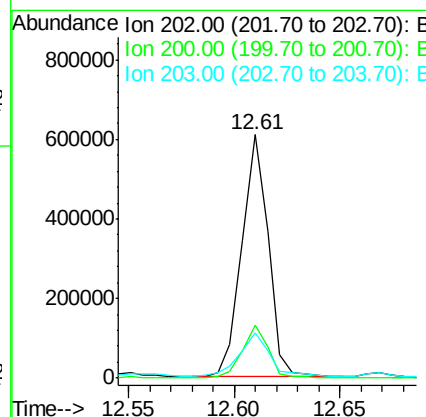
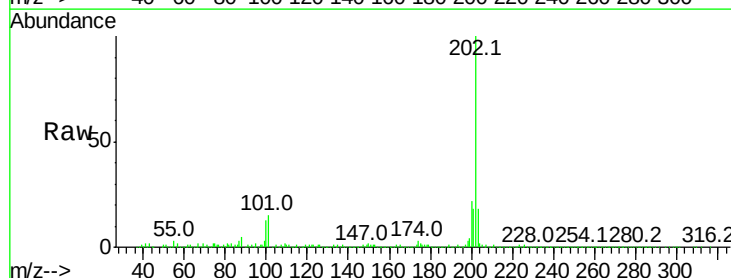
RT: 12.61 min Scan# 1789

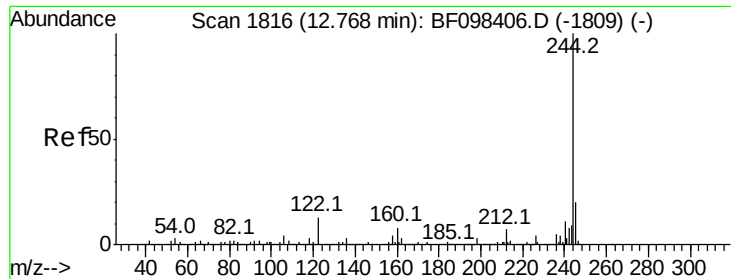
Delta R.T. -0.01 min

Lab File: BF098503.D

Acq: 13 Sep 2017 21:39

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.5	17.6	26.4	
203	18.4	14.4	21.6	





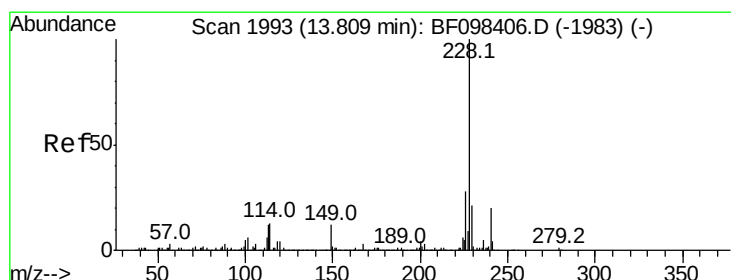
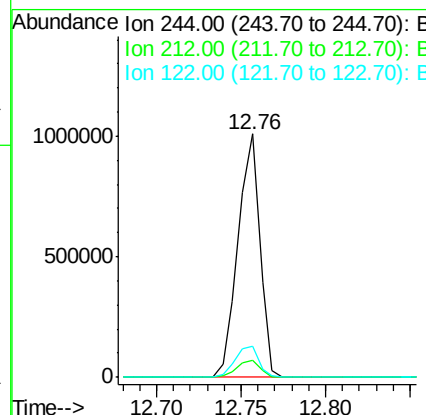
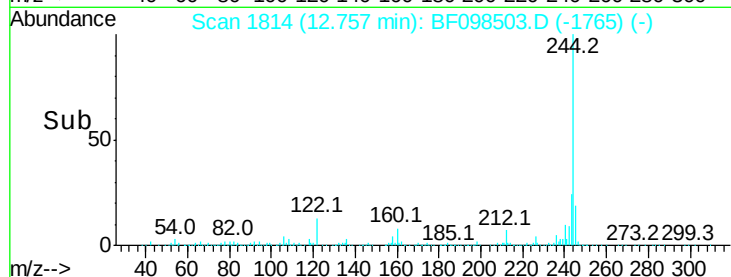
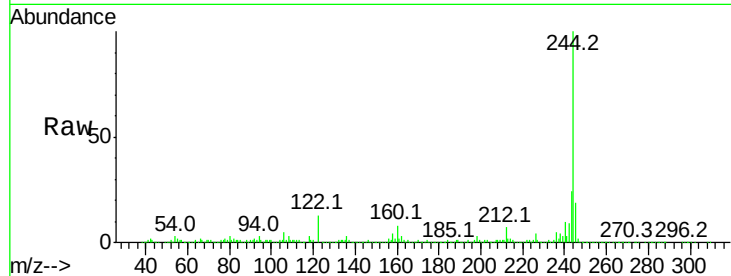
#78
 Terphenyl-d14
 Concen: 59.652 ng
 RT: 12.76 min Scan# 1814
 Delta R.T. -0.01 min
 Lab File: BF098503.D
 Acq: 13 Sep 2017 21:39

Instrument :
 BNA_F
 ClientSampled :
 G-2

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	12.7	10.3	15.5

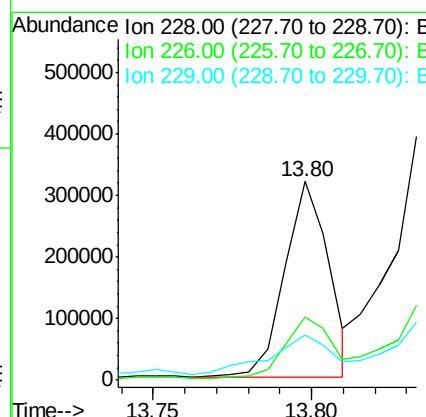
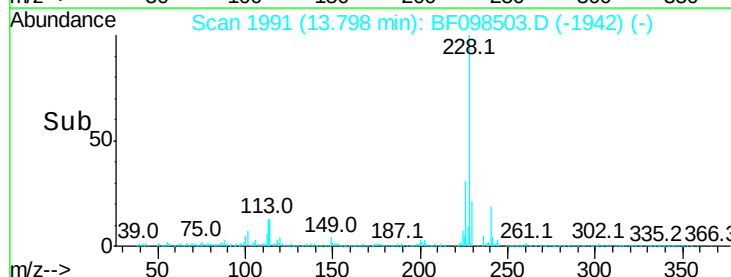
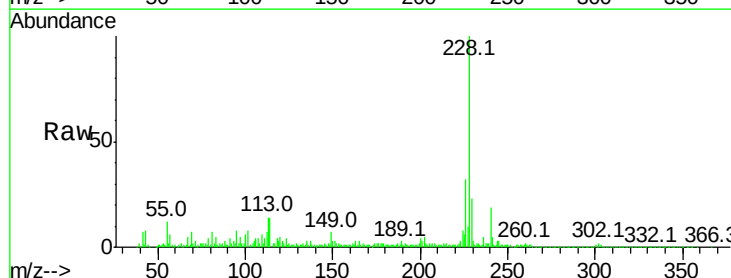
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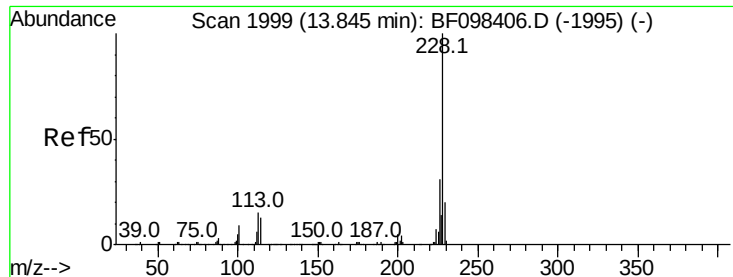
Sohil
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#80
 Benzo(a)anthracene
 Concen: 15.904 ng
 RT: 13.80 min Scan# 1991
 Delta R.T. -0.01 min
 Lab File: BF098503.D
 Acq: 13 Sep 2017 21:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.8	22.6	33.8
229	23.0	16.3	24.5





#82

Chrysene

Concen: 21.721 ng m

RT: 13.83 min Scan# 1997

Delta R.T. -0.01 min

Lab File: BF098503.D

Acq: 13 Sep 2017 21:39

Instrument :

BNA_F

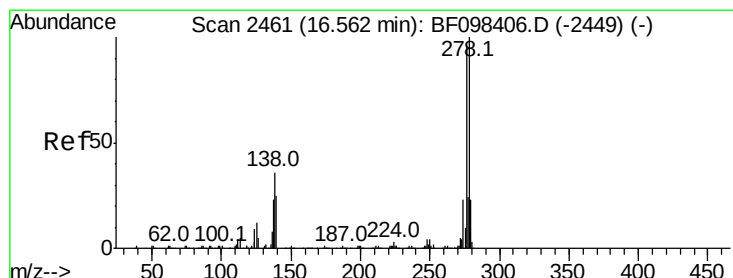
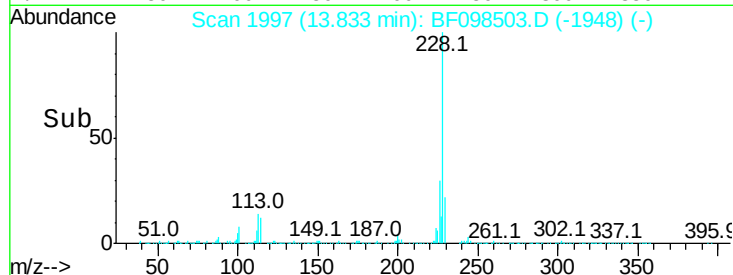
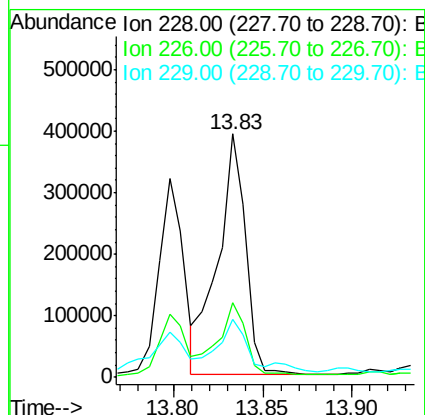
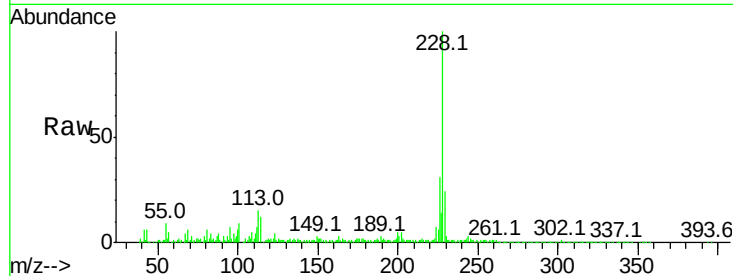
ClientSampled :

G-2

Tot Ion:	228	Resp:	424090
Ion Ratio	Lower	Upper	
228	100		
226	30.7	24.9	37.3
229	23.8	15.8	23.6#

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 9.100 ng m

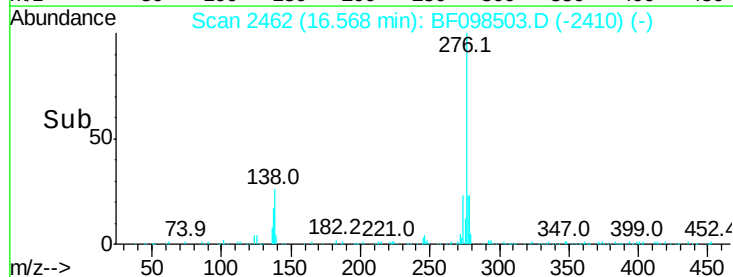
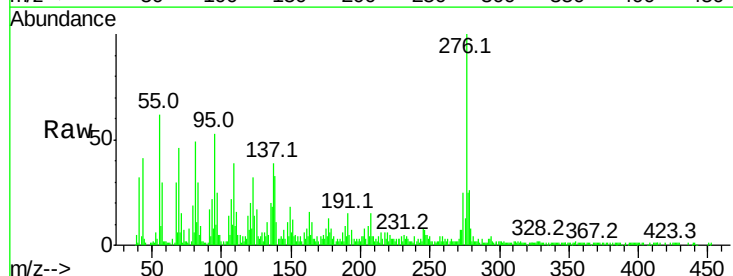
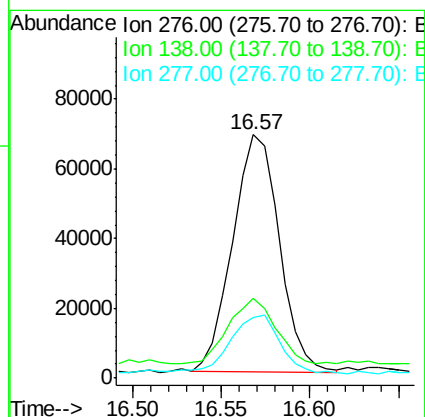
RT: 16.57 min Scan# 2462

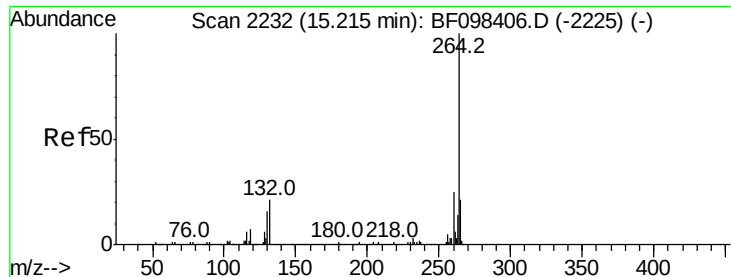
Delta R.T. 0.01 min

Lab File: BF098503.D

Acq: 13 Sep 2017 21:39

Tgt Ion:	276	Resp:	124651
Ion Ratio	Lower	Upper	
276	100		
138	8.2	27.8	41.6#
277	4.5	20.2	30.4#





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.22 min Scan# 2233

Delta R.T. 0.01 min

Lab File: BF098503.D

Acq: 13 Sep 2017 21:39

Instrument :

BNA_F

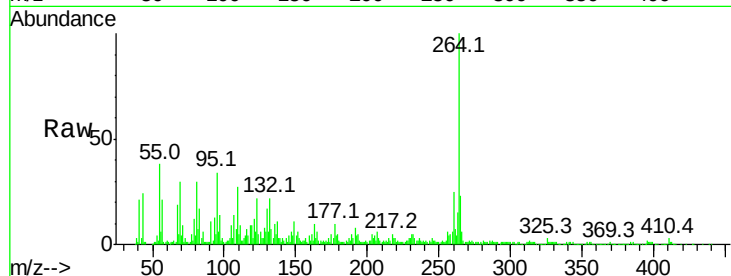
ClientSampled :

G-2

Tot Ion:	264	Resp:	238933
Ion Ratio	Lower	Upper	
264	100		
260	25.2	19.5	29.3
265	23.3	17.2	25.8

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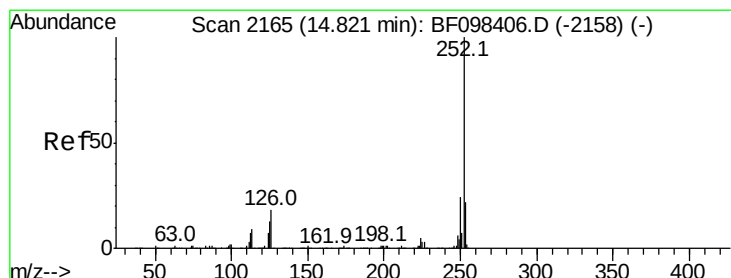
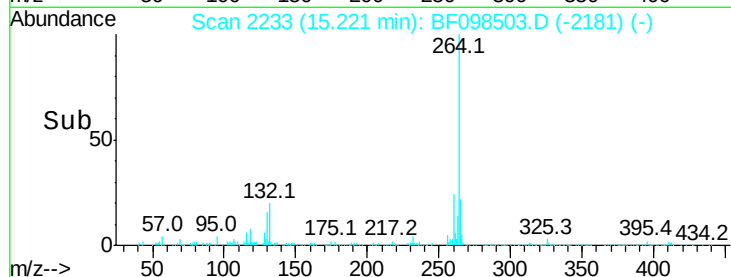
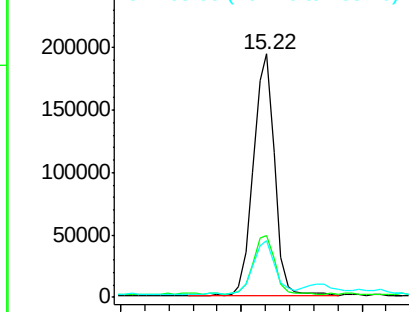


Abundance

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: 29.326 ng m

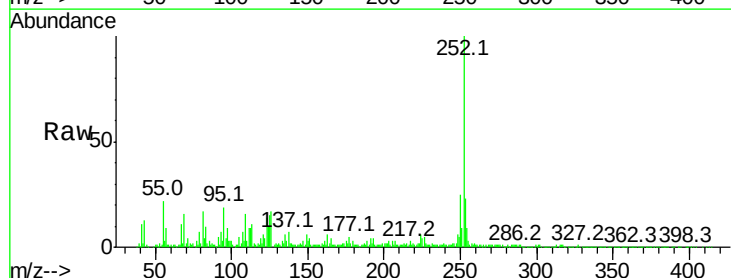
RT: 14.82 min Scan# 2165

Delta R.T. 0.00 min

Lab File: BF098503.D

Acq: 13 Sep 2017 21:39

Tgt Ion:	252	Resp:	440585
Ion Ratio	Lower	Upper	
252	100		
253	23.4	18.1	27.1
125	15.4	9.8	14.8#

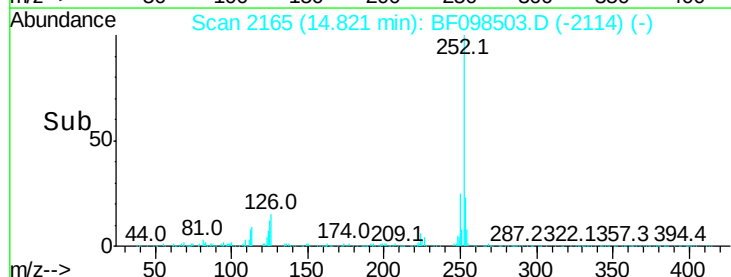
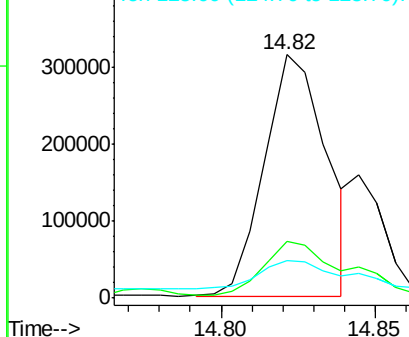


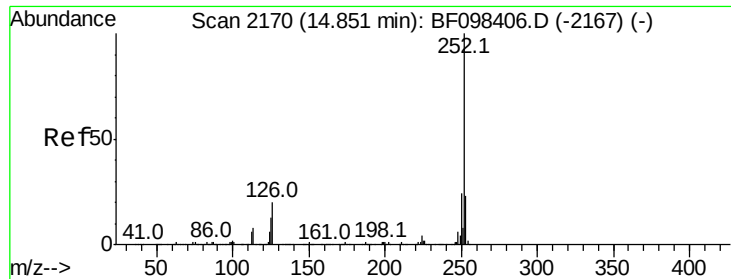
Abundance

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





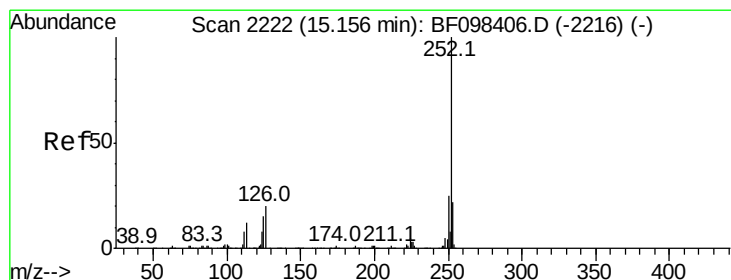
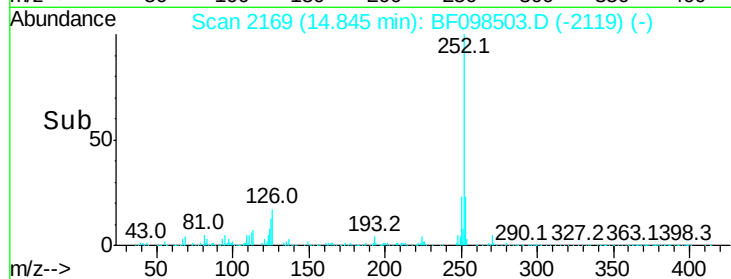
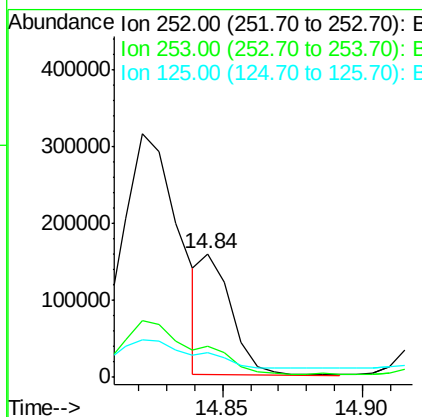
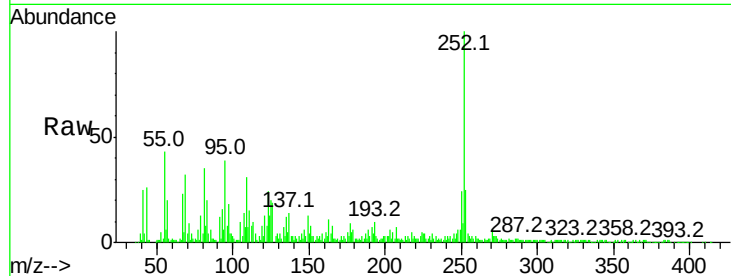
#88
Benzo(k)fluoranthene
Concen: 8.552 ng m
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF098503.D
Acq: 13 Sep 2017 21:39

Instrument :
BNA_F
ClientSampled :
G-2

Tot Ion	Ratio	Resp	Lower	Upper
252	100	119944		
253	25.0	18.4	27.6	
125	19.9	13.1	19.7	

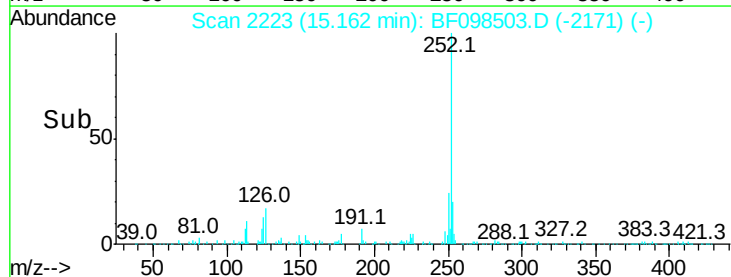
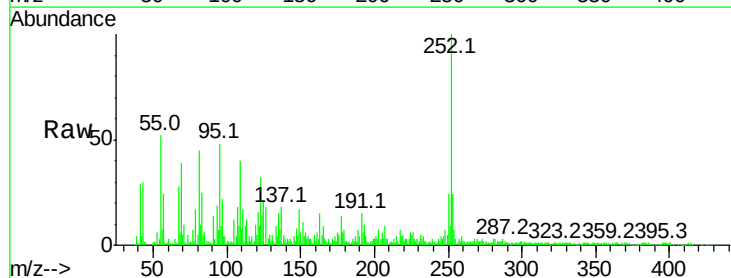
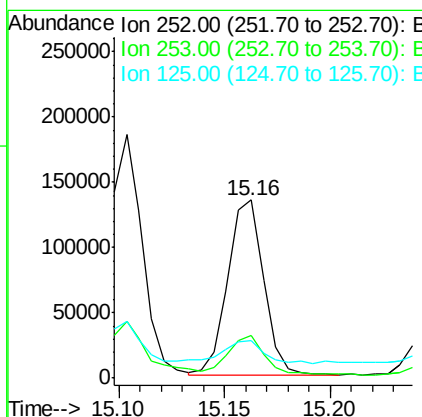
Manual Integrations
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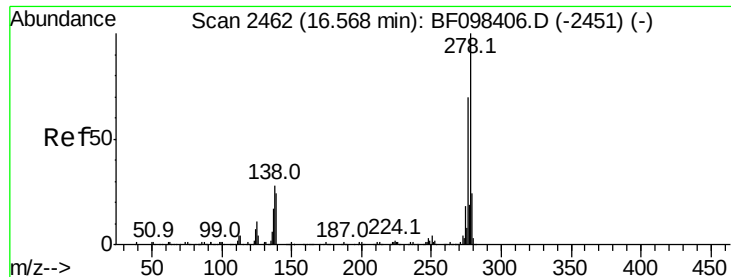
Sohil
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#89
Benzo(a)pyrene
Concen: 11.828 ng
RT: 15.16 min Scan# 2223
Delta R.T. 0.01 min
Lab File: BF098503.D
Acq: 13 Sep 2017 21:39

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	158306		
253	24.2	17.5	26.3	
125	20.9	11.0	16.4	





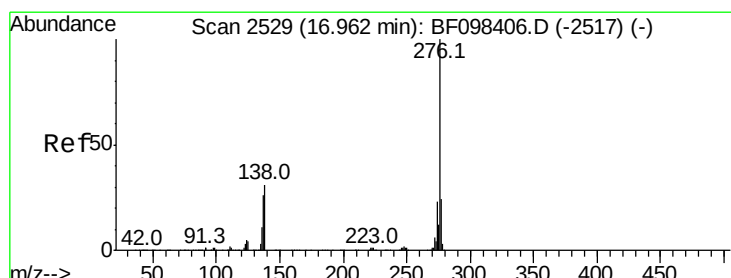
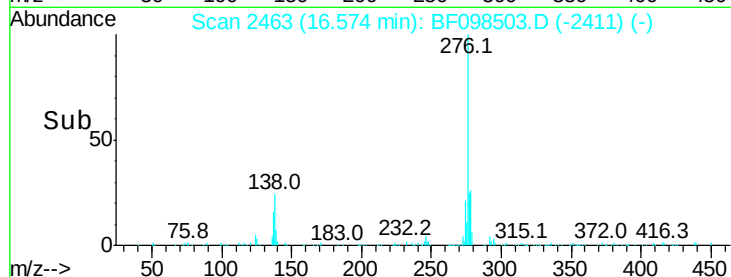
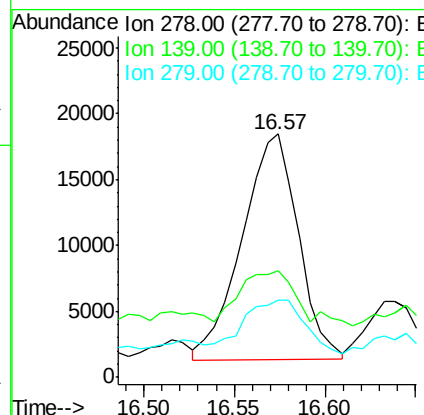
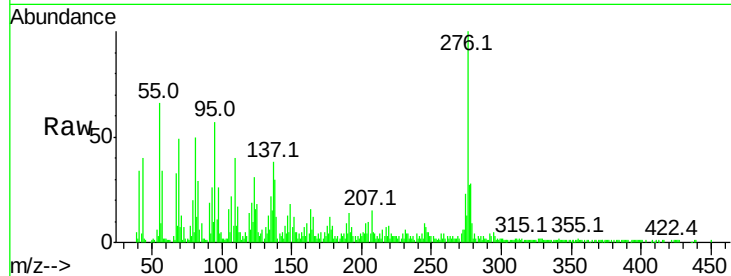
#90
Dibenzo(a,h)anthracene
Concen: 3.795 ng
RT: 16.57 min Scan# 2463
Delta R.T. 0.01 min
Lab File: BF098503.D
Acq: 13 Sep 2017 21:39

Instrument :
BNA_F
ClientSampled :
G-2

Tot Ion	Ratio	Lower	Upper
278	100		
139	43.8	16.6	24.8#
279	31.5	19.3	28.9#

Manual Integrations
APPROVED

Sohil
9/14/2017 5:52:49 PM



#91
Benzo(g,h,i)perylene
Concen: 10.975 ng
RT: 16.97 min Scan# 2531
Delta R.T. 0.01 min
Lab File: BF098503.D
Acq: 13 Sep 2017 21:39

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.6	28.0
138	33.7	25.4	38.0

