

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091317\
 Data File : BF098499.D
 Acq On : 13 Sep 2017 19:45
 Operator : SJ/JU
 Sample : I5160-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G-6-2

Manual Integrations
 APPROVED

Sohil
 9/14/2017 5:52:41 PM

Quant Time: Sep 14 06:56:28 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	170263	20.00	ng	-0.01
21) Naphthalene-d8	7.94	136	700292	20.00	ng	-0.01
38) Acenaphthene-d10	9.69	164	310590	20.00	ng	-0.02
63) Phenanthrene-d10	11.17	188	511624	20.00	ng	-0.02
75) Chrysene-d12	13.80	240	341669	20.00	ng	-0.01
86) Perylene-d12	15.20	264	327698	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	1446267	125.59	ng	0.00
7) Phenol-d6	6.31	99	1816866	124.26	ng	-0.01
23) Nitrobenzene-d5	7.23	82	1105036	87.97	ng	-0.01
41) 2,4,6-Tribromophenol	10.48	330	303392	146.36	ng	-0.01
44) 2-Fluorobiphenyl	9.02	172	1722556	94.00	ng	-0.02
78) Terphenyl-d14	12.76	244	1169054	73.85	ng	-0.01
Target Compounds						
10) Phenol	6.32	94	54834	3.229	ng	99
31) Naphthalene	7.96	128	73370	2.119	ng	96
37) 2-Methylnaphthalene	8.65	142	53705	2.561	ng	98
49) Dimethylphthalate	9.41	163	441236	18.353	ng	100
70) Phenanthrene	11.19	178	122397	4.513	ng	97
74) Fluoranthene	12.37	202	172999	6.372	ng	97
77) Pyrene	12.60	202	149983	5.565	ng	99
80) Benzo(a)anthracene	13.79	228	82549	4.121	ng	94
82) Chrysene	13.83	228	105375	5.204	ng	96
85) Indeno(1,2,3-cd)pyrene	16.53	276	40480	2.849	ng	94
87) Benzo(b)fluoranthene	14.81	252	145135m	7.044	ng	
88) Benzo(k)fluoranthene	14.83	252	50993m	2.651	ng	
89) Benzo(a)pyrene	15.14	252	63703	3.470	ng	# 95
91) Benzo(a,h,i)perylene	16.93	276	36851	2.744	ng	95

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

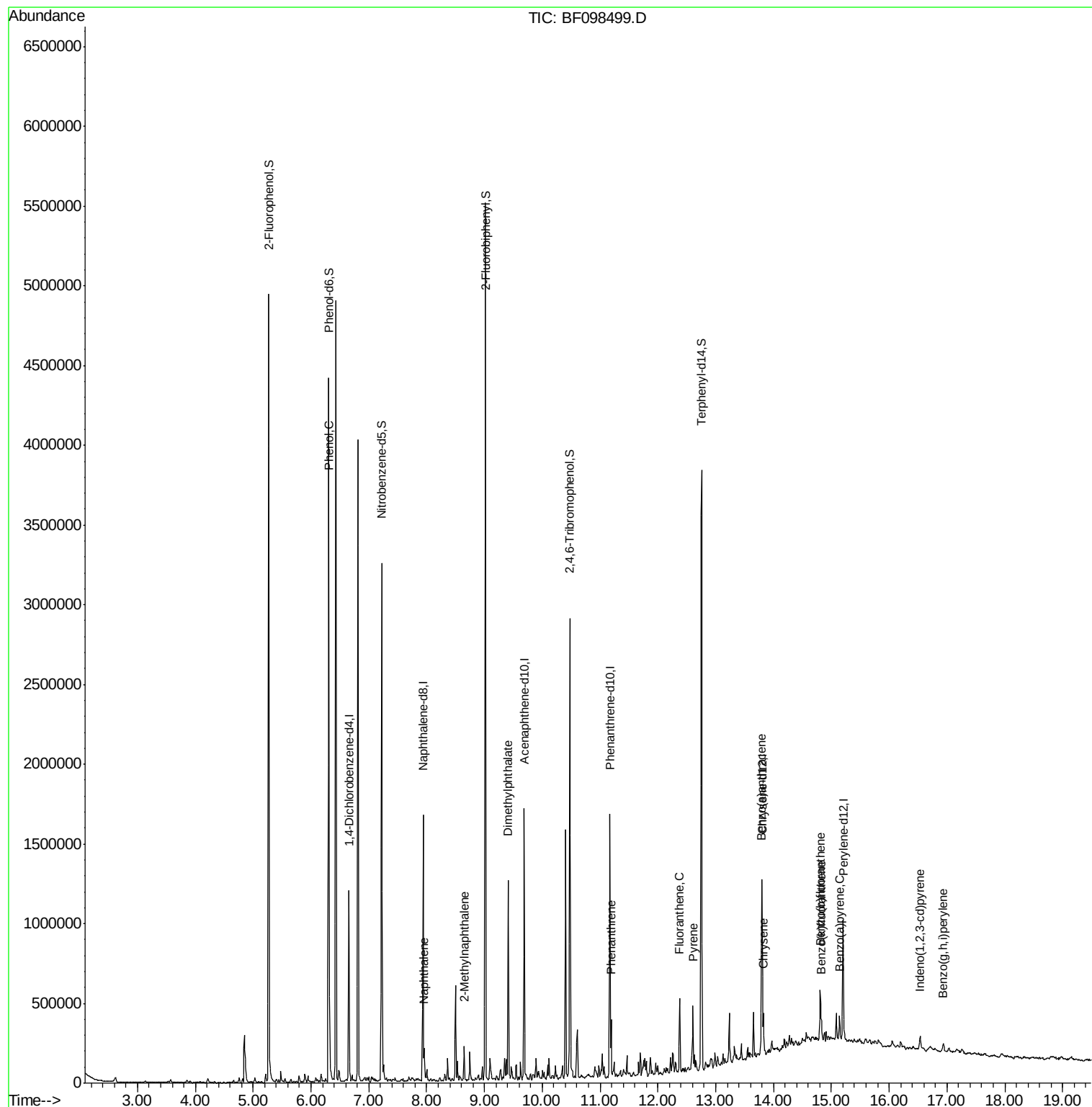
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091317\
Data File : BF098499.D
Acq On : 13 Sep 2017 19:45
Operator : SJ/JU
Sample : I5160-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

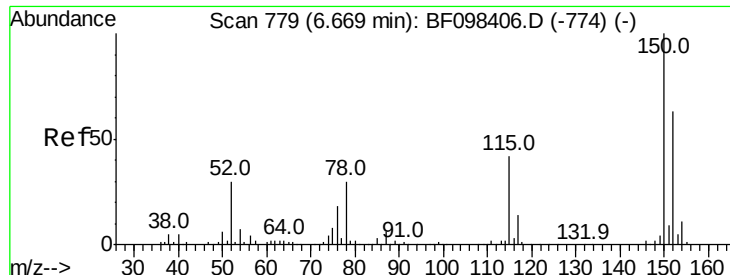
Instrument :
BNA_F
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G-6-2

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#1

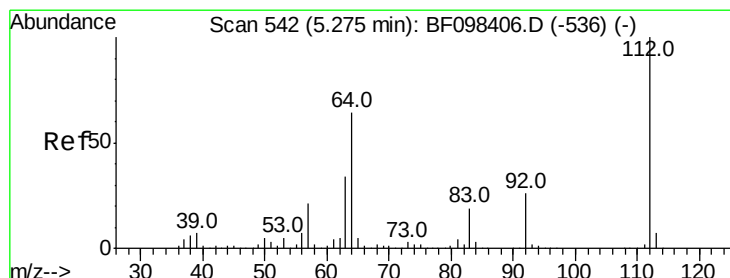
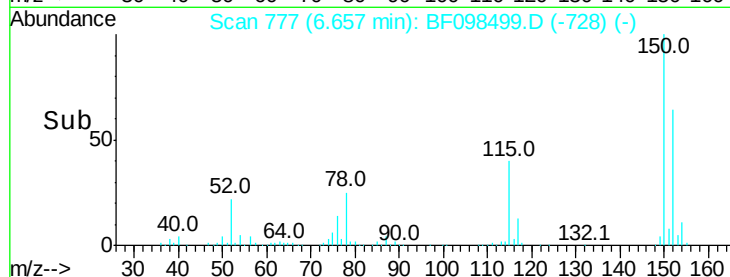
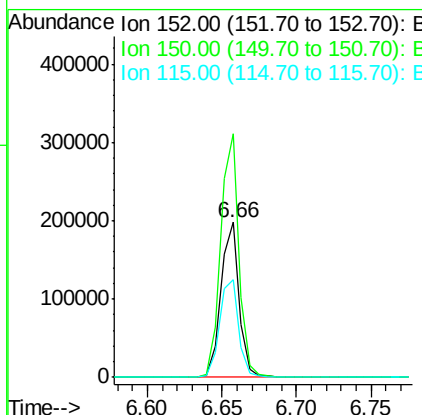
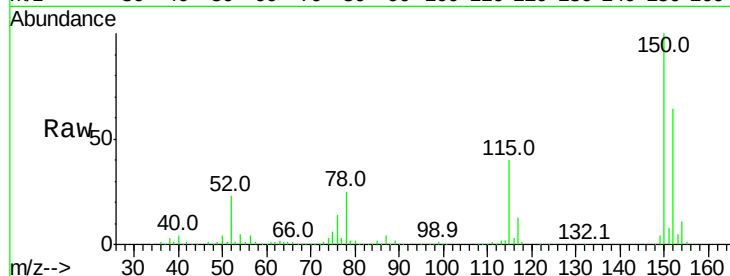
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.66 min Scan# 777
Delta R.T. -0.01 min
Lab File: BF098499.D
Acq: 13 Sep 2017 19:45

Instrument :
BNA_F
ClientSampled :
G-6-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	126.2	189.2
115	63.3	52.2	78.2

Manual Integrations
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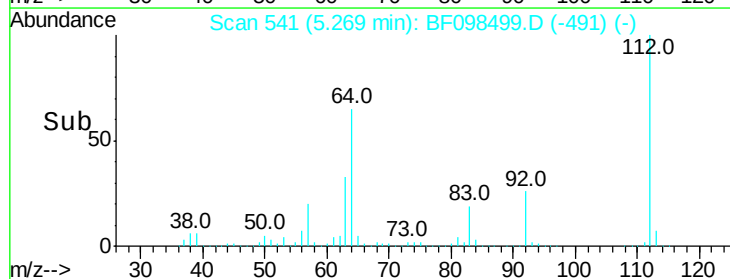
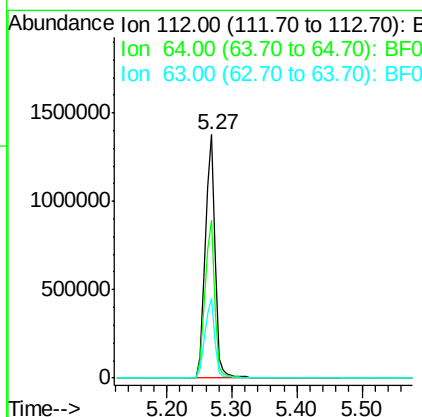
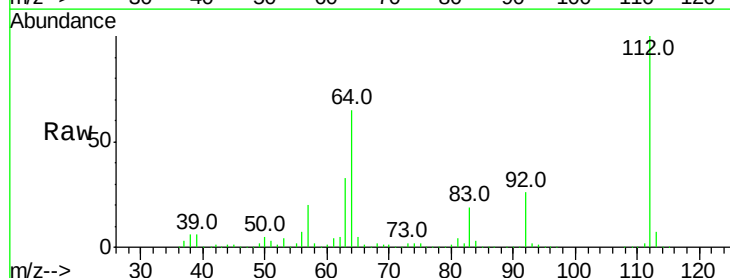
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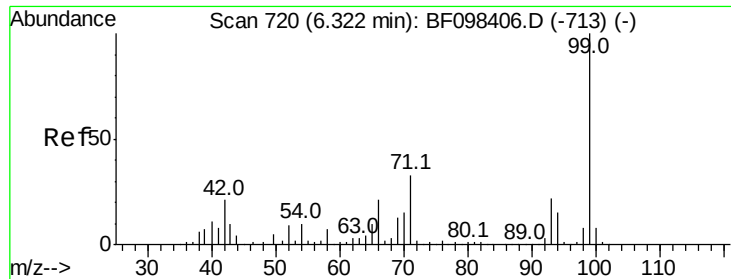


#5

2-Fluorophenol
Concen: 125.590 ng
RT: 5.27 min Scan# 541
Delta R.T. -0.00 min
Lab File: BF098499.D
Acq: 13 Sep 2017 19:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.7	46.0	69.0
63	32.6	23.4	35.0





#7

Phenol-d6

Concen: 124.263 ng

RT: 6.31 min Scan# 718

Delta R.T. -0.01 min

Lab File: BF098499.D

Acq: 13 Sep 2017 19:45

Instrument :

BNA_F

ClientSampled :

G-6-2

Tot Ion: 99 Resp: 1816866

Ion Ratio Lower Upper

99 100

42 18.9 13.5 20.3

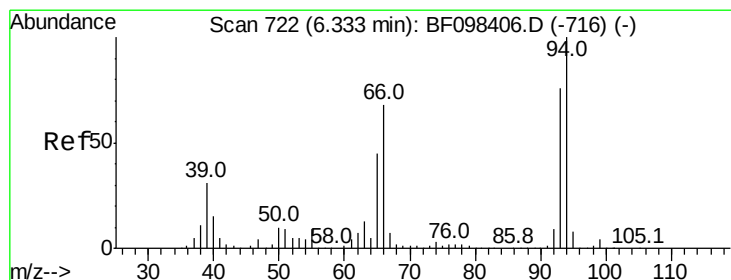
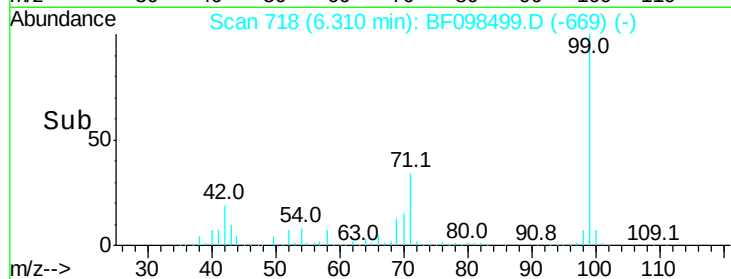
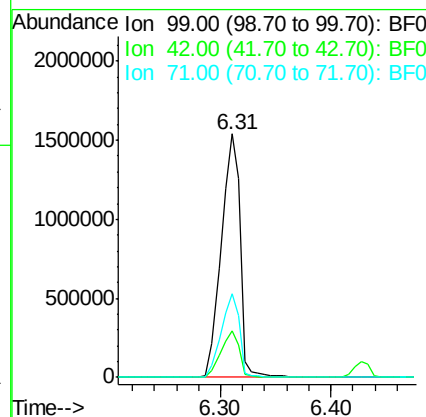
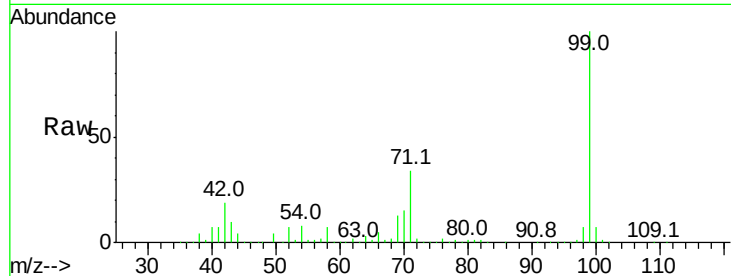
71 34.3 24.5 36.7

Manual Integrations

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#10

Phenol

Concen: 3.229 ng

RT: 6.32 min Scan# 720

Delta R.T. -0.01 min

Lab File: BF098499.D

Acq: 13 Sep 2017 19:45

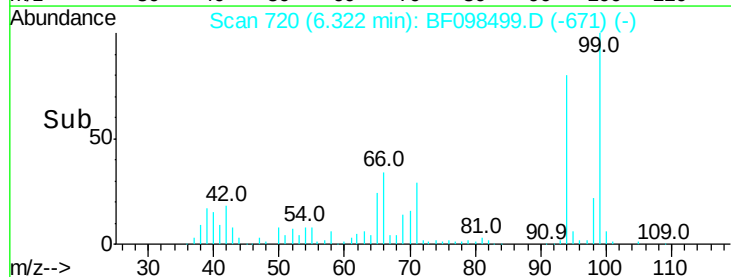
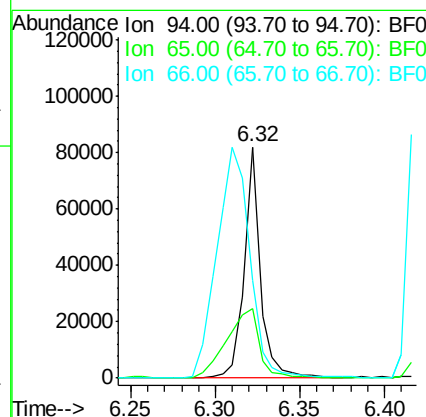
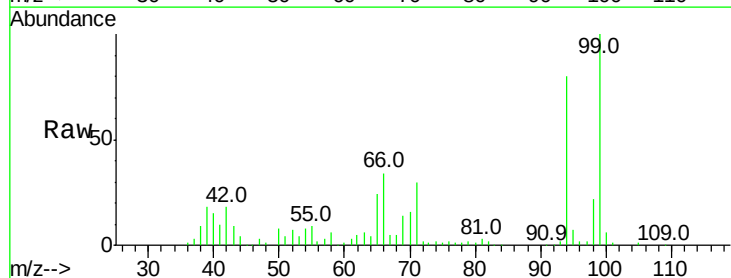
Tgt Ion: 94 Resp: 54834

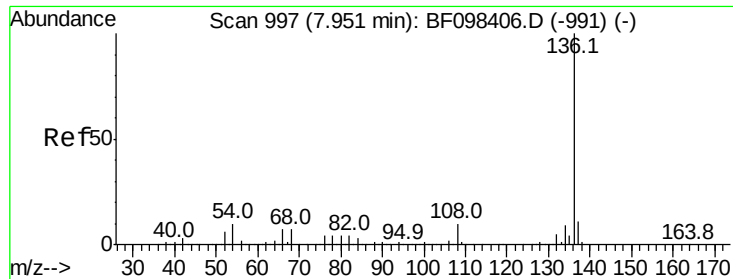
Ion Ratio Lower Upper

94 100

65 30.1 9.9 49.9

66 42.3 23.1 63.1





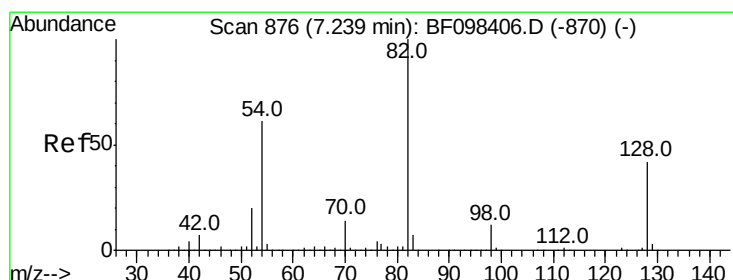
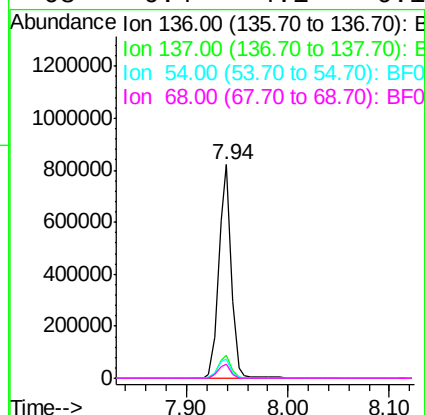
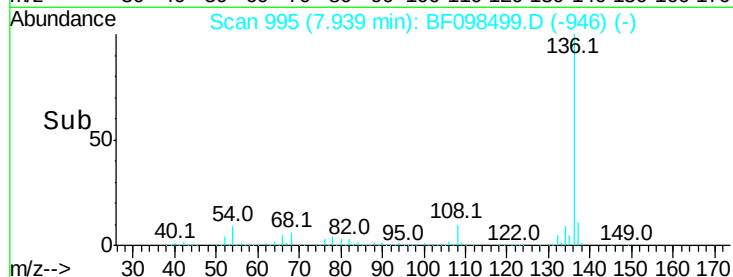
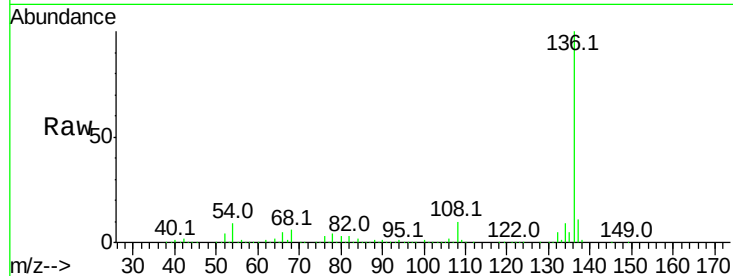
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.94 min Scan# 995
Delta R.T. -0.01 min
Lab File: BF098499.D
Acq: 13 Sep 2017 19:45

Instrument :
BNA_F
ClientSampleId :
G-6-2

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.7	8.5	12.7
54	9.1	4.9	7.3#
68	6.4	4.1	6.1#

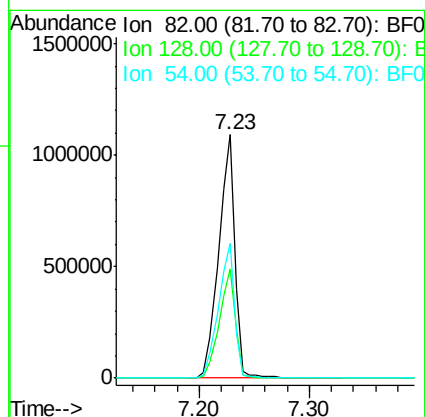
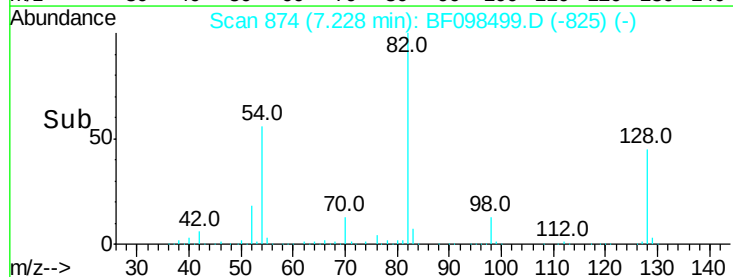
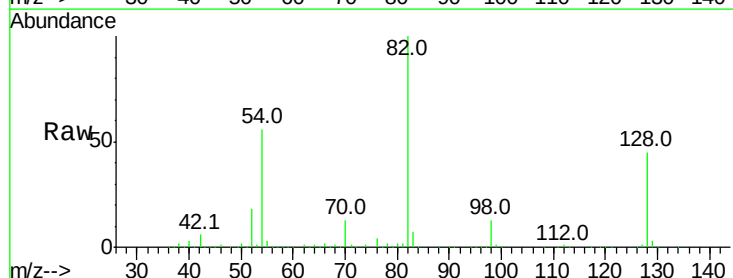
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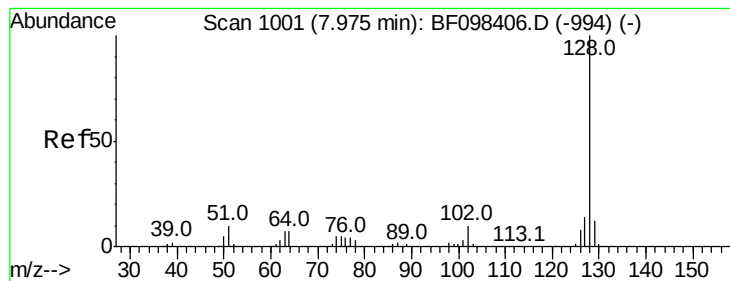
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#23
Nitrobenzene-d5
Concen: 87.971 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.01 min
Lab File: BF098499.D
Acq: 13 Sep 2017 19:45

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	44.7	34.0	51.0
54	55.5	42.2	63.2





#31

Naphthalene

Concen: 2.119 ng

RT: 7.96 min Scan# 998

Delta R.T. -0.02 min

Lab File: BF098499.D

Acq: 13 Sep 2017 19:45

Instrument :

BNA_F

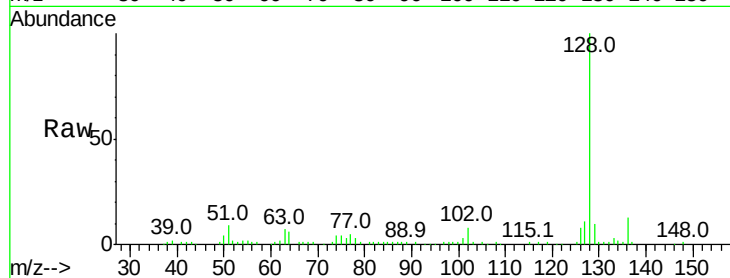
ClientSampled :

G-6-2

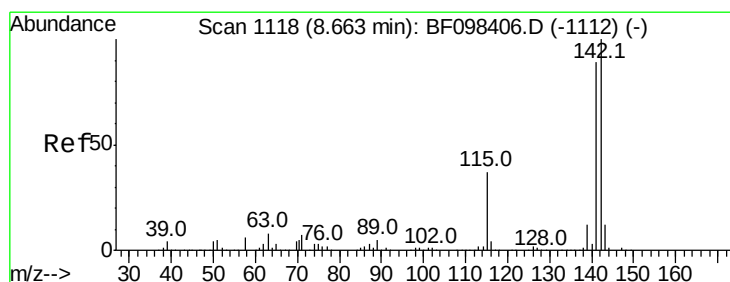
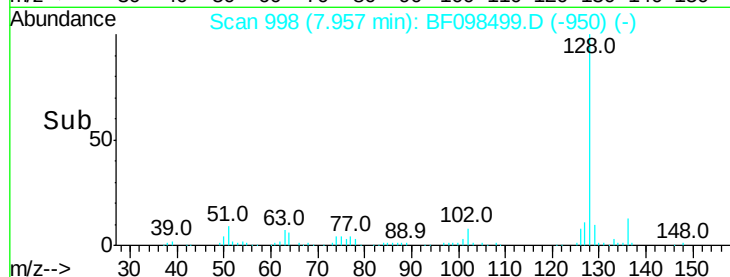
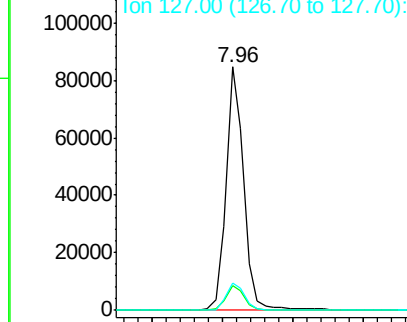
Tot Ion:	128	Resp:	73370
Ion Ratio	Lower	Upper	
128	100		
129	10.3	9.0	13.6
127	11.3	10.8	16.2

Manual Integrations
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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 2.561 ng

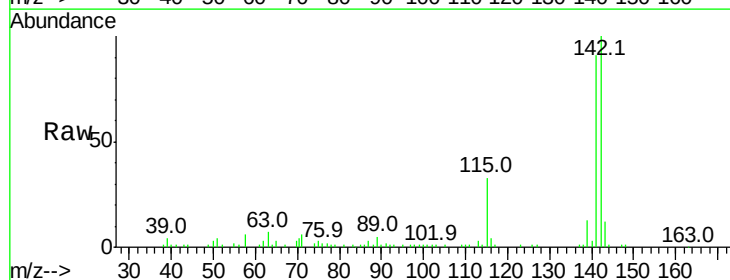
RT: 8.65 min Scan# 1116

Delta R.T. -0.01 min

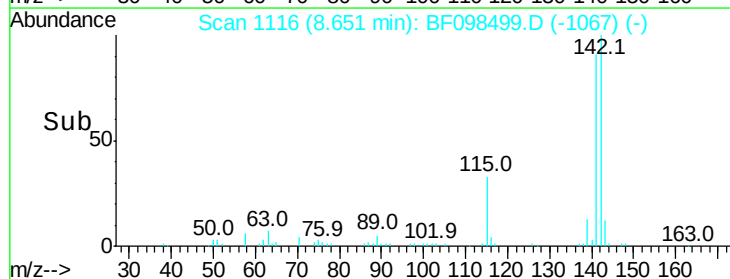
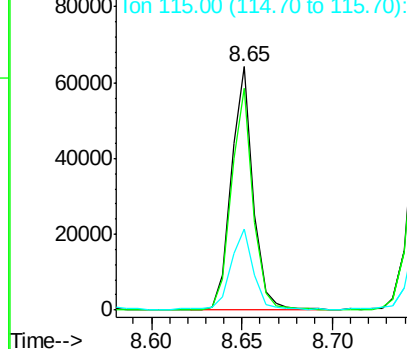
Lab File: BF098499.D

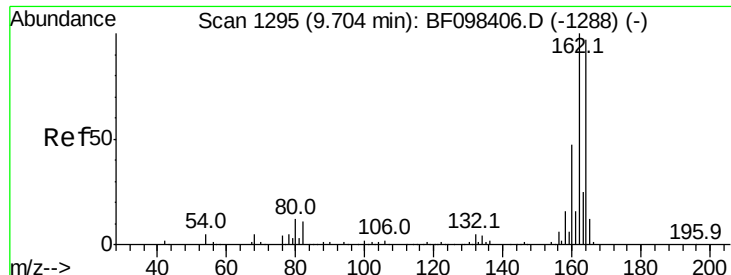
Acq: 13 Sep 2017 19:45

Tgt Ion:	142	Resp:	53705
Ion Ratio	Lower	Upper	
142	100		
141	91.2	71.3	106.9
115	33.2	27.1	40.7



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





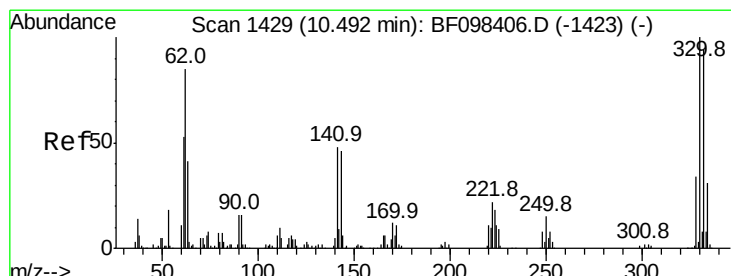
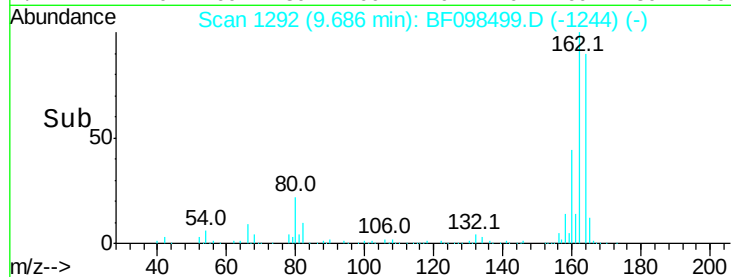
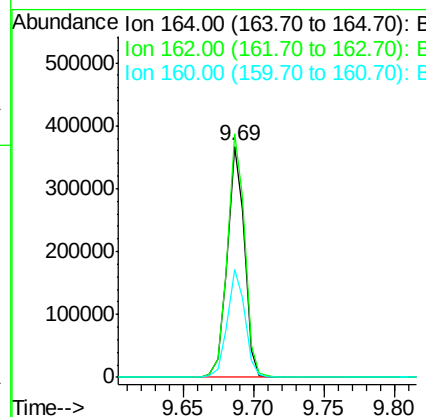
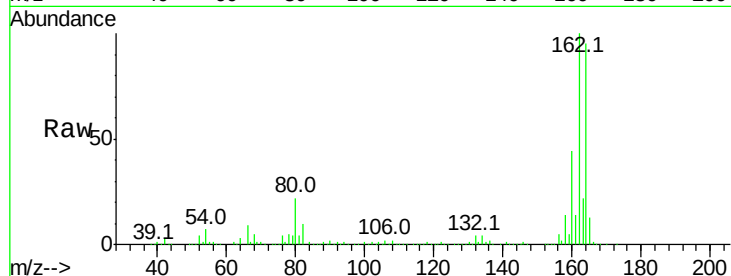
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.69 min Scan# 1292
 Delta R.T. -0.02 min
 Lab File: BF098499.D
 Acq: 13 Sep 2017 19:45

Instrument :
 BNA_F
 ClientSampled :
 G-6-2

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	105.2	82.6	123.8	
160	46.4	36.2	54.2	

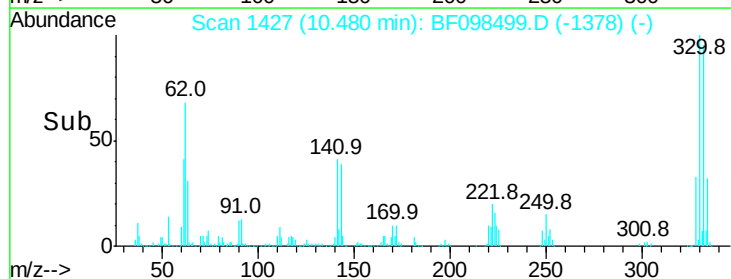
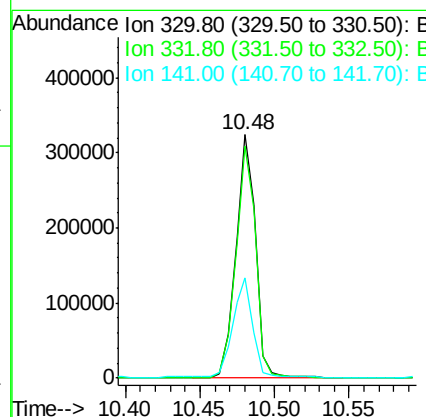
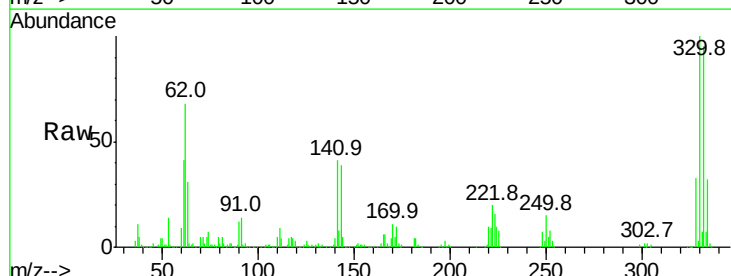
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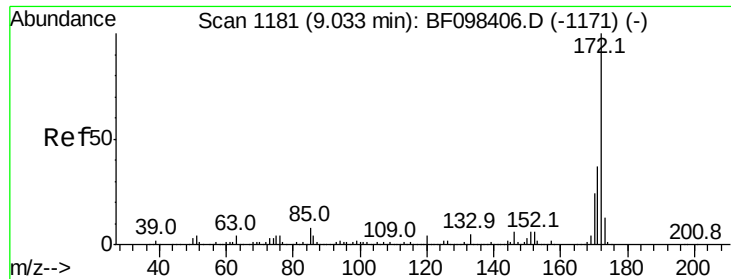
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#41
 2,4,6-Tribromophenol
 Concen: 146.359 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: BF098499.D
 Acq: 13 Sep 2017 19:45

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.7	76.6	115.0	
141	43.6	31.4	47.2	





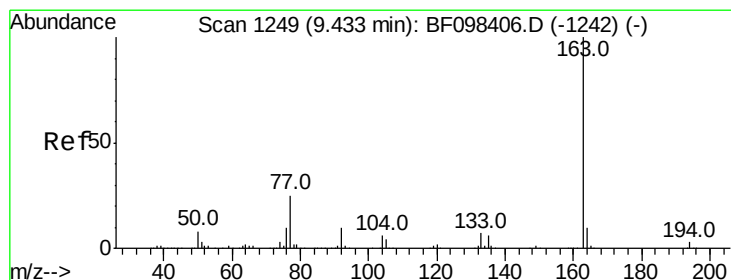
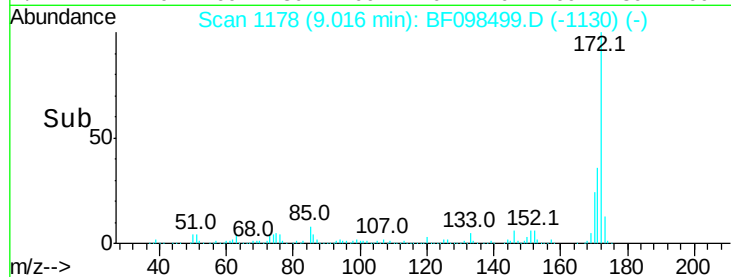
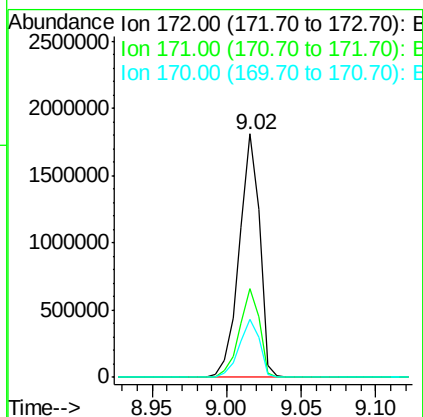
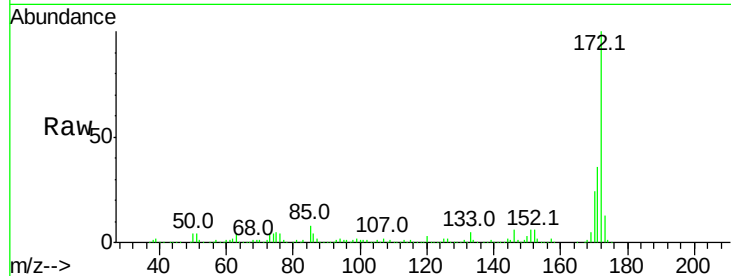
#44
2-Fluorobiphenyl
Concen: 94.001 ng
RT: 9.02 min Scan# 1178
Delta R.T. -0.02 min
Lab File: BF098499.D
Acq: 13 Sep 2017 19:45

Instrument :
BNA_F
ClientSampled :
G-6-2

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.6	44.4
170	24.0	19.8	29.8

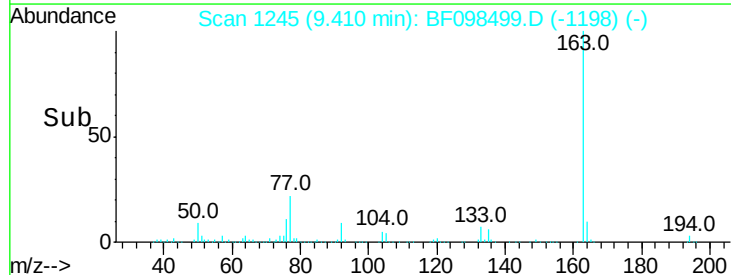
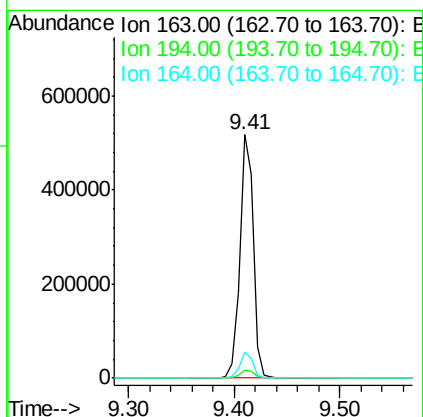
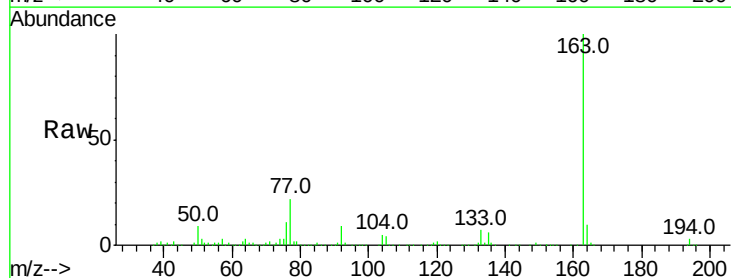
Manual Integrations
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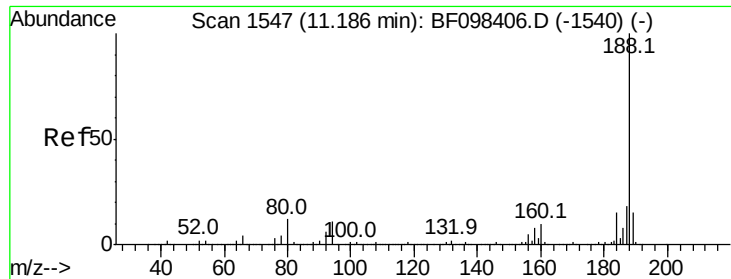
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#49
Dimethylphthalate
Concen: 18.353 ng
RT: 9.41 min Scan# 1245
Delta R.T. -0.02 min
Lab File: BF098499.D
Acq: 13 Sep 2017 19:45

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.6	4.0
164	10.5	8.4	12.6





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.17 min Scan# 1544

Delta R.T. -0.02 min

Lab File: BF098499.D

Acq: 13 Sep 2017 19:45

Instrument :

BNA_F

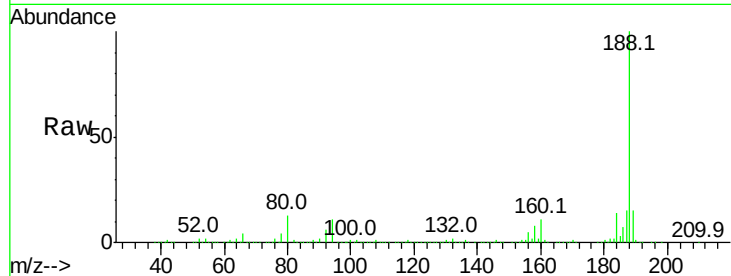
ClientSampleId :

G-6-2

Tot Ion:	188	Resp:	511624
Ion Ratio	Lower	Upper	
188	100		
94	11.1	9.4	14.2
80	12.9	10.2	15.2

Manual Integrations
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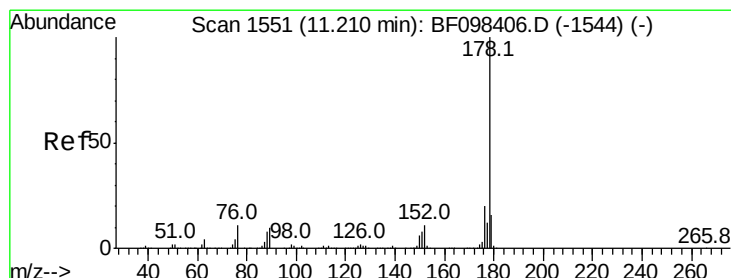
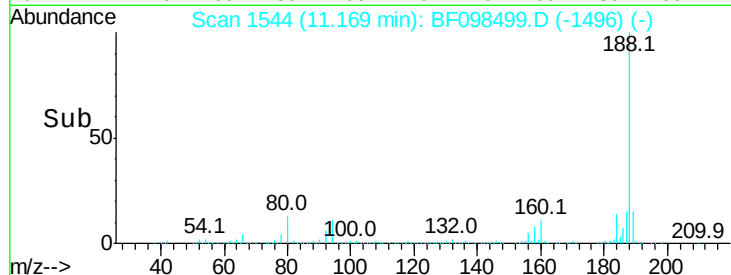
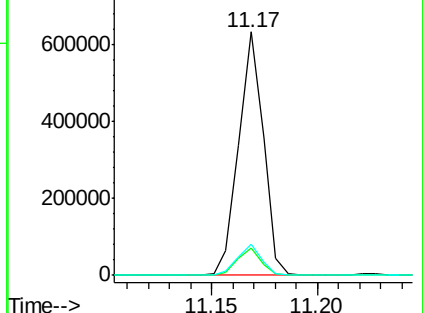
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 4.513 ng

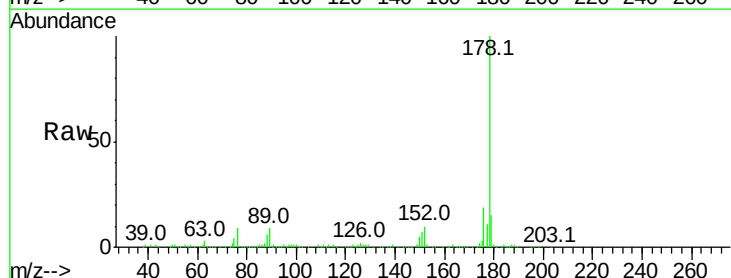
RT: 11.19 min Scan# 1548

Delta R.T. -0.02 min

Lab File: BF098499.D

Acq: 13 Sep 2017 19:45

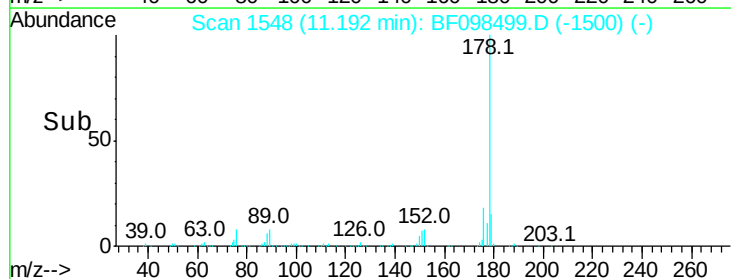
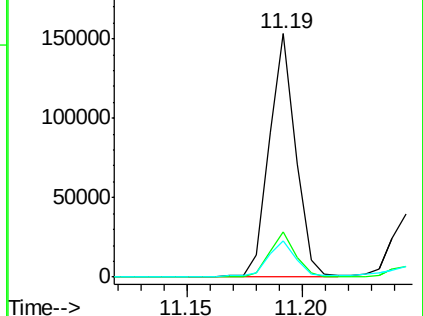
Tgt Ion:	178	Resp:	122397
Ion Ratio	Lower	Upper	
178	100		
176	18.6	16.2	24.4
179	14.9	12.6	19.0

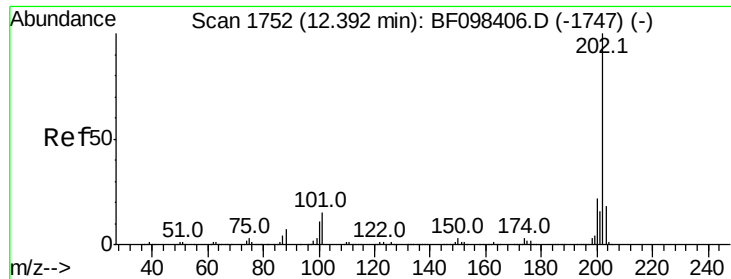


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 6.372 ng

RT: 12.37 min Scan# 1749

Delta R.T. -0.02 min

Lab File: BF098499.D

Acq: 13 Sep 2017 19:45

Instrument :

BNA_F

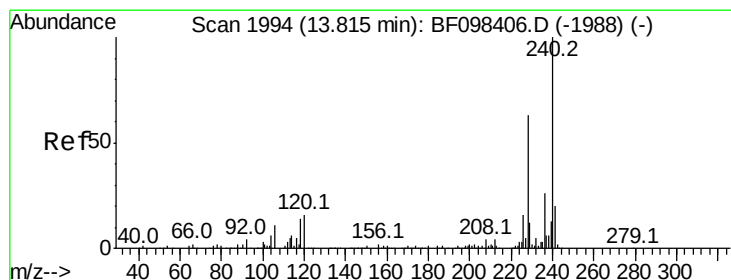
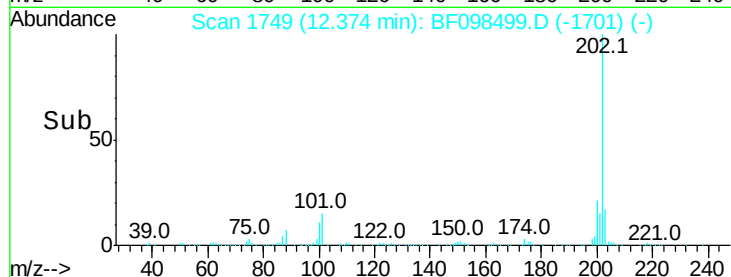
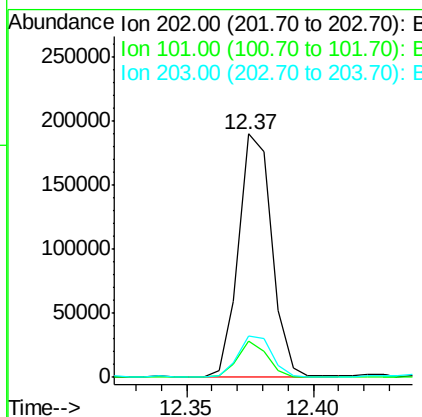
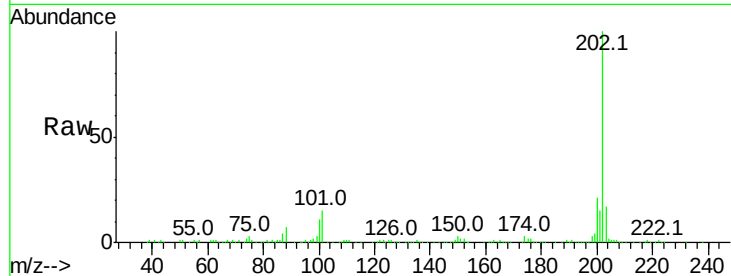
ClientSampled :

G-6-2

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	15.0	0.0	33.2
203	17.0	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

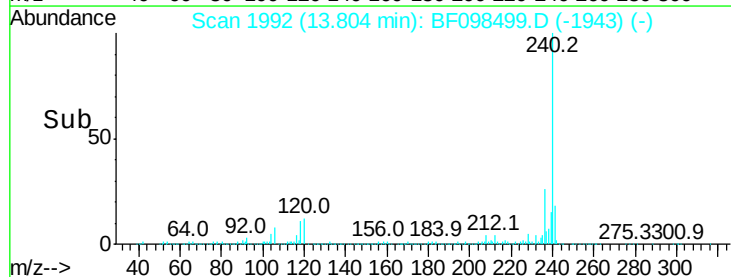
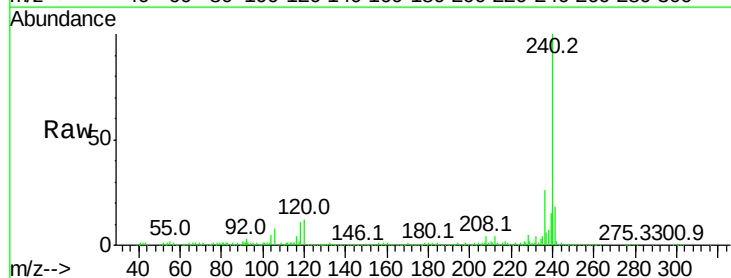
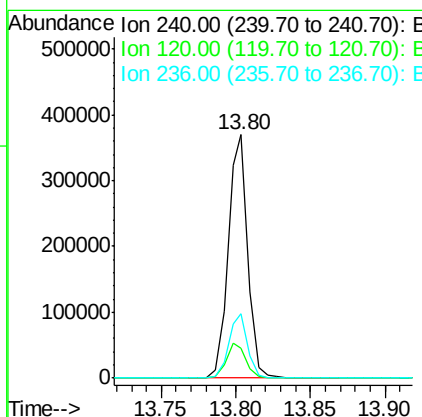
RT: 13.80 min Scan# 1992

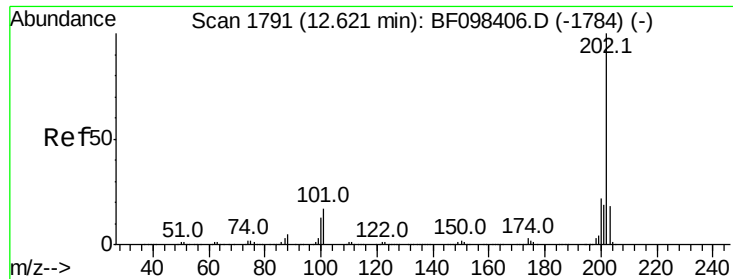
Delta R.T. -0.01 min

Lab File: BF098499.D

Acq: 13 Sep 2017 19:45

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.0	5.8	8.8#
236	26.5	20.5	30.7





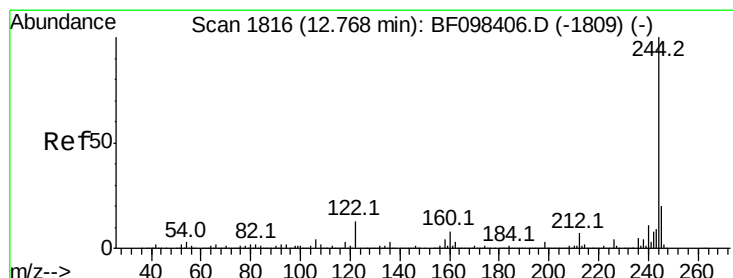
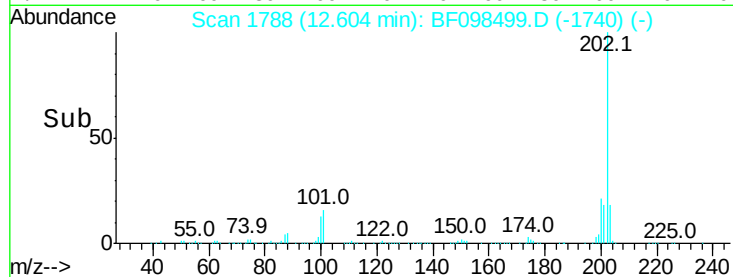
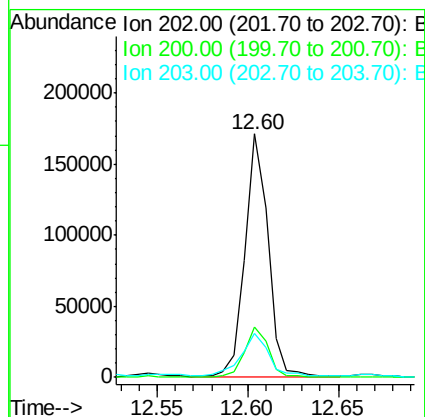
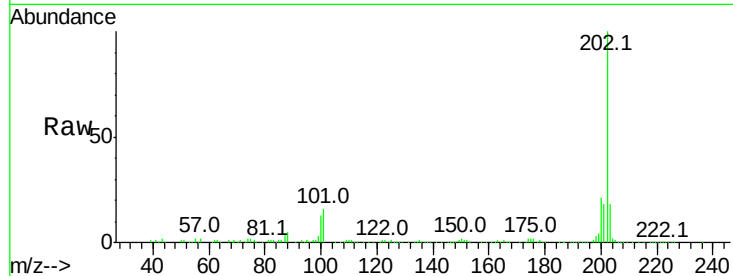
#77
Pvrene
Concen: 5.565 ng
RT: 12.60 min Scan# 1788
Delta R.T. -0.02 min
Lab File: BF098499.D
Acq: 13 Sep 2017 19:45

Instrument :
BNA_F
ClientSampled :
G-6-2

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
200	20.9	17.6	26.4		
203	18.2	14.4	21.6		

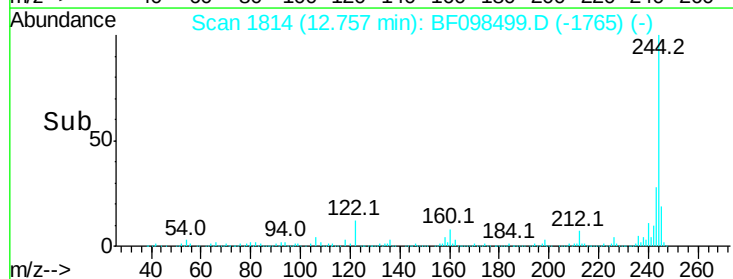
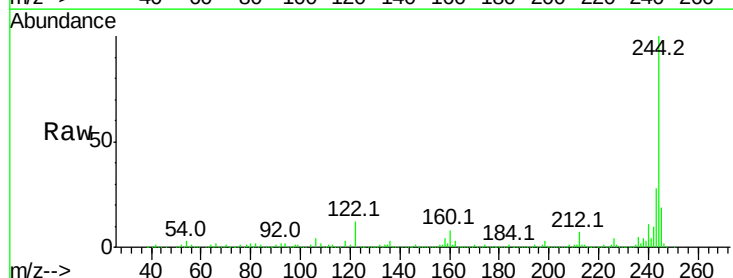
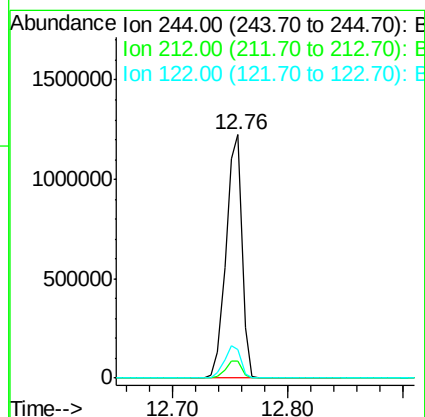
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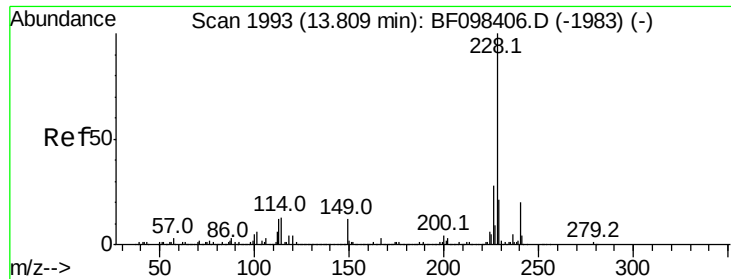
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#78
Terphenyl-d14
Concen: 73.854 ng
RT: 12.76 min Scan# 1814
Delta R.T. -0.01 min
Lab File: BF098499.D
Acq: 13 Sep 2017 19:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
244	100				
212	6.9	6.0	9.0		
122	12.0	10.3	15.5		





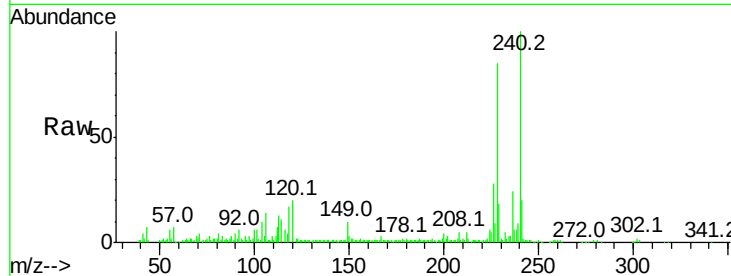
#80
Benzo(a)anthracene
Concen: 4.121 ng
RT: 13.79 min Scan# 1990
Delta R.T. -0.02 min
Lab File: BF098499.D
Acq: 13 Sep 2017 19:45

Instrument :
BNA_F
ClientSampled :
G-6-2

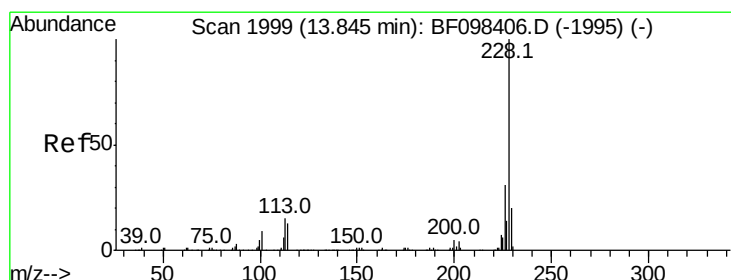
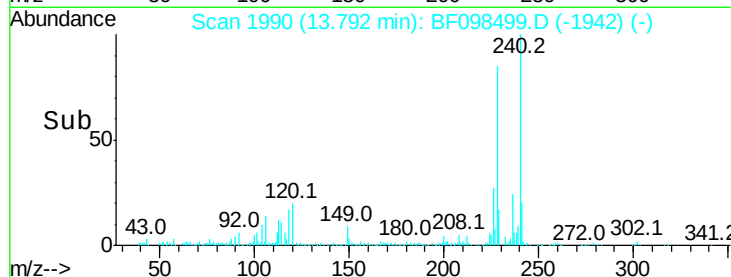
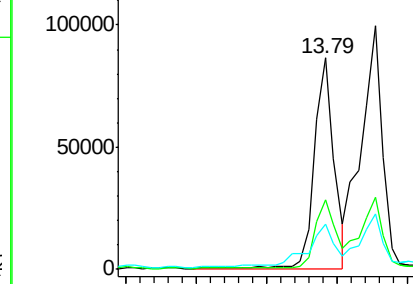
Tot Ion	Ratio	Lower	Upper
228	100		
226	32.7	22.6	33.8
229	21.3	16.3	24.5

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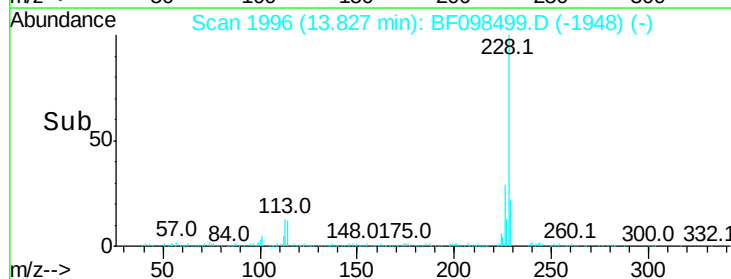
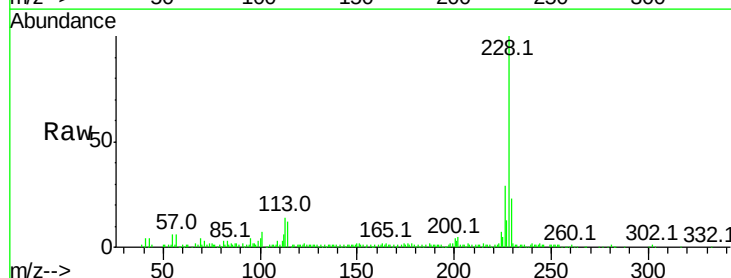
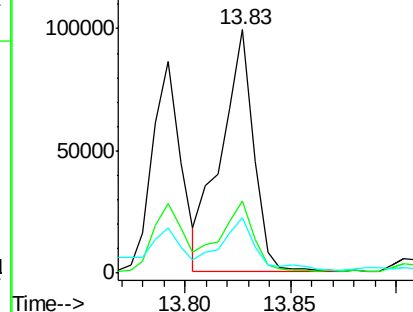
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

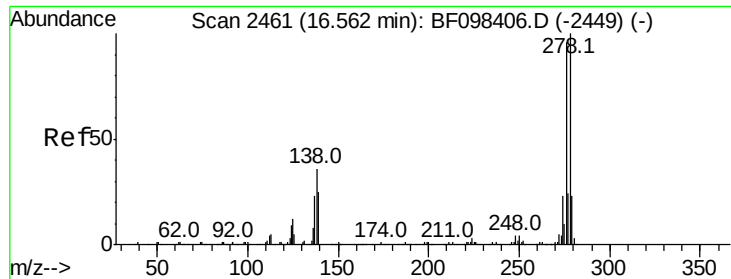


#82
Chrysene
Concen: 5.204 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.02 min
Lab File: BF098499.D
Acq: 13 Sep 2017 19:45

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.9	37.3
229	22.8	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





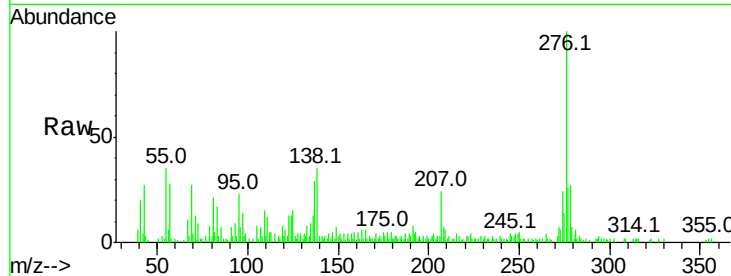
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.849 ng
RT: 16.53 min Scan# 2456
Delta R.T. -0.03 min
Lab File: BF098499.D
Acq: 13 Sep 2017 19:45

Instrument :
BNA_F
ClientSampleId :
G-6-2

Tot Ion	Ratio	Lower	Upper
276	100		
138	29.0	27.8	41.6
277	25.9	20.2	30.4

Manual Integrations
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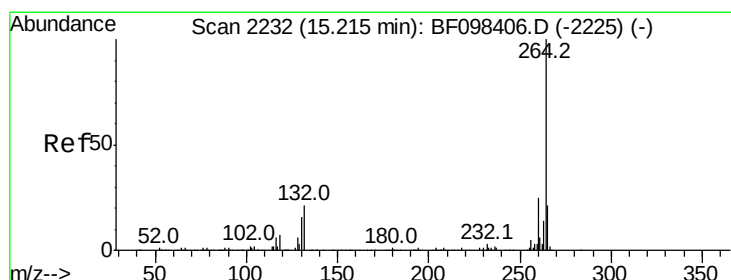
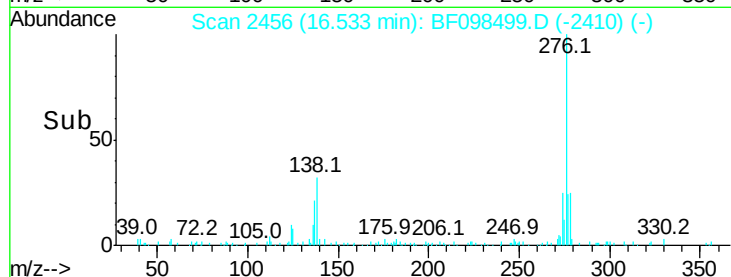
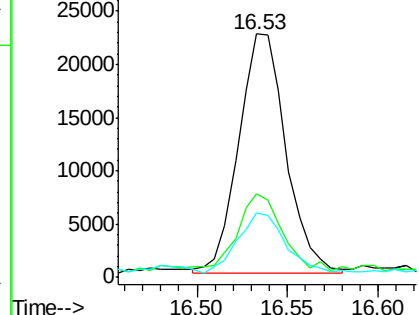


Abundance

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
Perylene-d12
Concen: 20.000 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.01 min
Lab File: BF098499.D
Acq: 13 Sep 2017 19:45

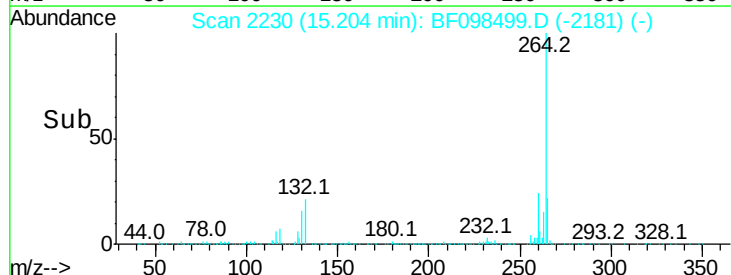
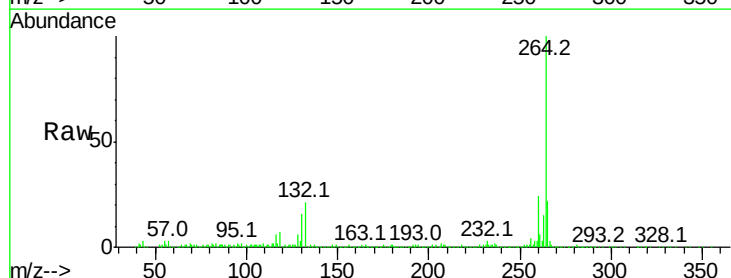
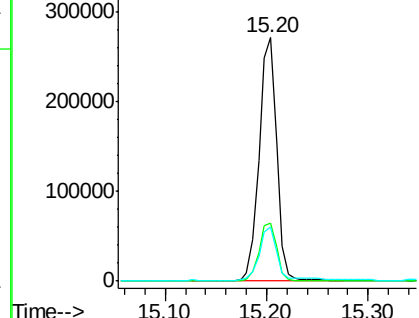
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.5	29.3
265	22.1	17.2	25.8

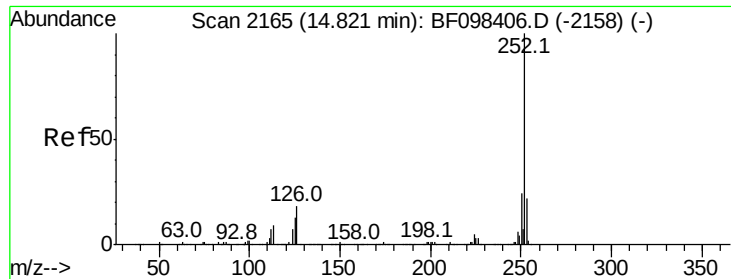
Abundance

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





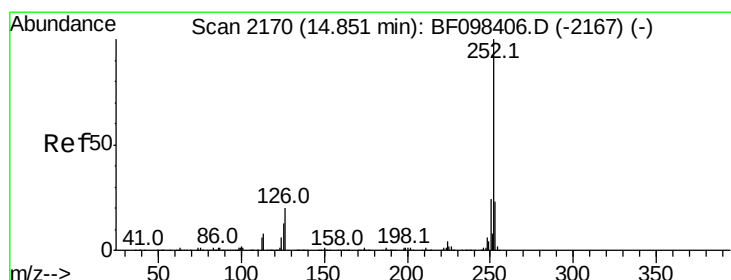
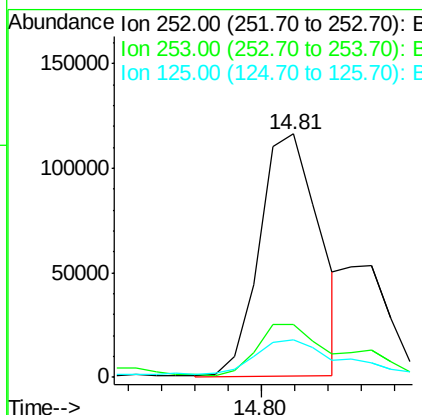
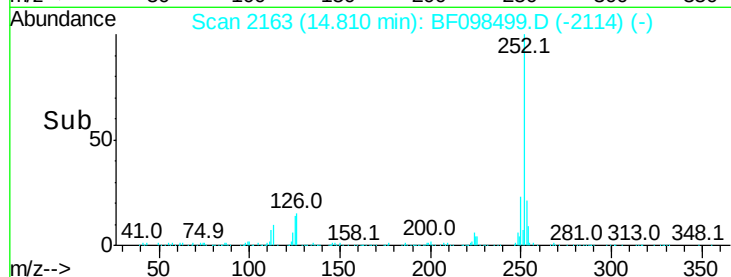
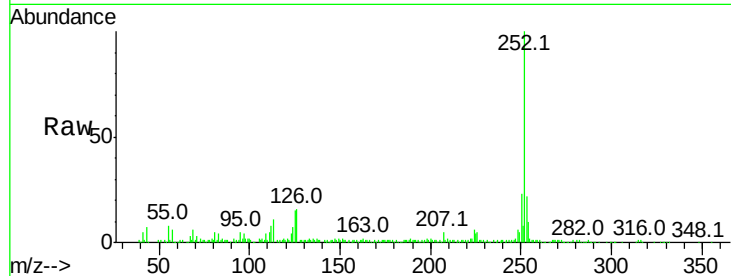
#87
Benzo(b)fluoranthene
Concen: 7.044 ng m
RT: 14.81 min Scan# 2163
Delta R.T. -0.01 min
Lab File: BF098499.D
Acq: 13 Sep 2017 19:45

Instrument :
BNA_F
ClientSampleId :
G-6-2

Tot Ion	Ratio	Resp	Lower	Upper
252	100	145135		
253	21.7		18.1	27.1
125	15.2		9.8	14.8#

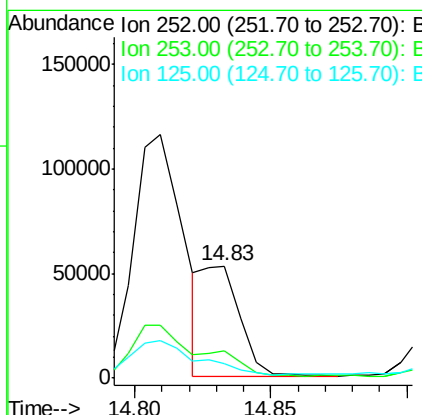
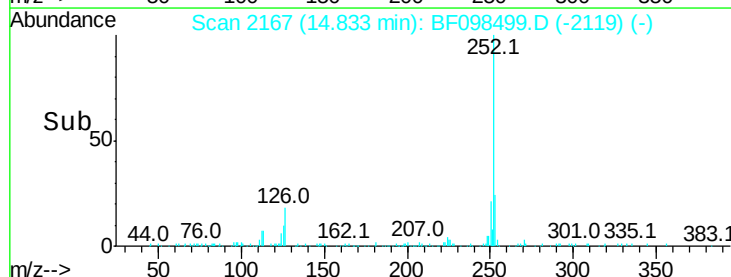
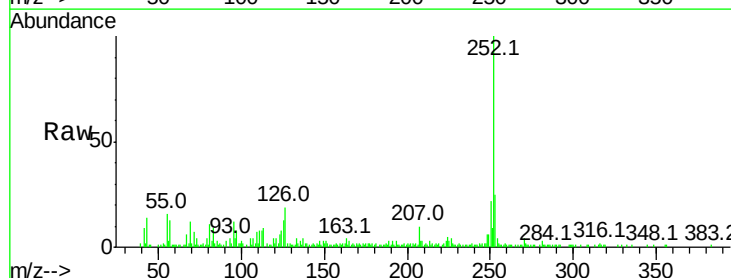
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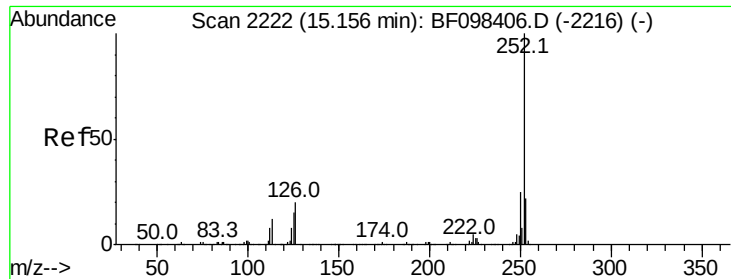
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#88
Benzo(k)fluoranthene
Concen: 2.651 ng m
RT: 14.83 min Scan# 2167
Delta R.T. -0.02 min
Lab File: BF098499.D
Acq: 13 Sep 2017 19:45

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	50993		
253	24.7		18.4	27.6
125	13.2		13.1	19.7





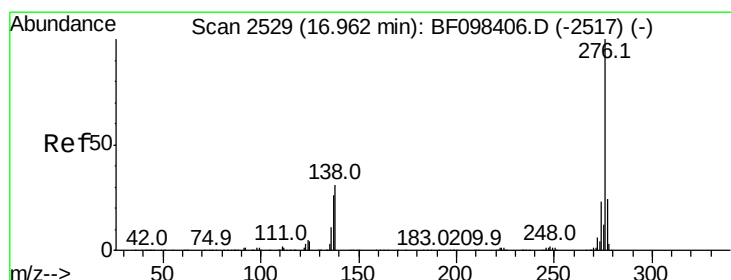
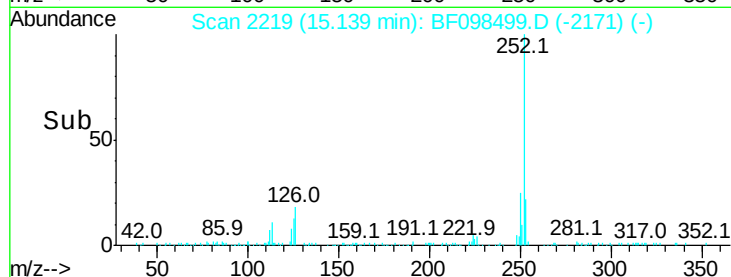
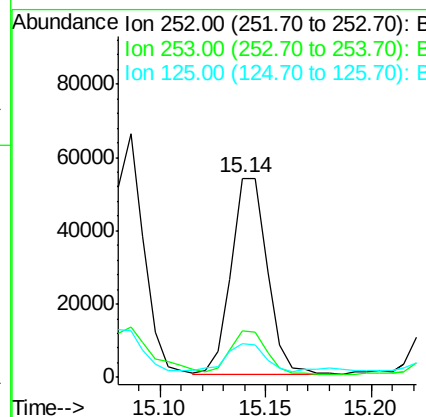
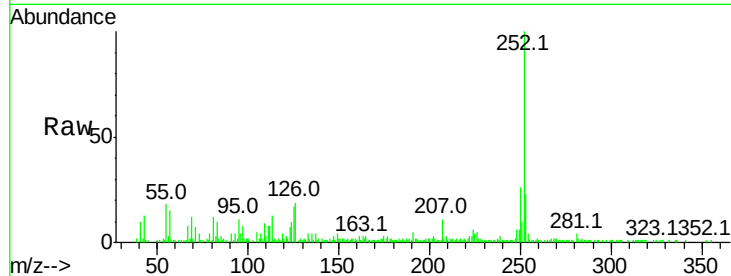
#89
Benzo(a)pyrene
Concen: 3.470 ng
RT: 15.14 min Scan# 2219
Delta R.T. -0.02 min
Lab File: BF098499.D
Acq: 13 Sep 2017 19:45

Instrument :
BNA_F
ClientSampled :
G-6-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.5	26.3
125	16.8	11.0	16.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 2.744 ng
RT: 16.93 min Scan# 2524
Delta R.T. -0.03 min
Lab File: BF098499.D
Acq: 13 Sep 2017 19:45

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.6	18.6	28.0
138	34.7	25.4	38.0

