

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091417\
 Data File : BF098535.D
 Acq On : 14 Sep 2017 18:34
 Operator : SJ/JU
 Sample : I5160-07
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G-8-1

Manual Integrations
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Sohil
 9/15/2017 5:43:47 PM

Quant Time: Sep 15 05:33:02 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	6.65	152	123100	20.00	ng	-0.02
21) Naphthalene-d8	7.93	136	522569	20.00	ng	-0.02
38) Acenaphthene-d10	9.68	164	245085	20.00	ng	-0.02
63) Phenanthrene-d10	11.16	188	476931	20.00	ng	-0.02
75) Chrysene-d12	13.79	240	342305	20.00	ng	-0.02
86) Perylene-d12	15.19	264	284405	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	1103456	132.53	ng	-0.02
7) Phenol-d6	6.30	99	1359998	128.65	ng	-0.02
23) Nitrobenzene-d5	7.22	82	833135	88.88	ng	-0.02
41) 2,4,6-Tribromophenol	10.47	330	290015	177.30	ng	-0.02
44) 2-Fluorobiphenyl	9.01	172	1473445	101.90	ng	-0.02
78) Terphenyl-d14	12.75	244	1382285	87.16	ng	-0.02
Target Compounds						
10) Phenol	6.31	94	37247	3.034	ng	94
49) Dimethylphthalate	9.40	163	189690	9.999	ng	99
70) Phenanthrene	11.19	178	185755	7.347	ng	98
71) Anthracene	11.23	178	106710	4.111	ng	98
74) Fluoranthene	12.37	202	390315	15.421	ng	99
77) Pyrene	12.60	202	374553	13.871	ng	98
80) Benzo(a)anthracene	13.78	228	176850	8.812	ng	99
82) Chrysene	13.82	228	169328	8.347	ng	98
85) Indeno(1,2,3-cd)pyrene	16.52	276	77747	5.463	ng	# 92
87) Benzo(b)fluoranthene	14.80	252	208393m	11.653	ng	
88) Benzo(k)fluoranthene	14.82	252	62844m	3.764	ng	
89) Benzo(a)pyrene	15.13	252	129635	8.137	ng	98
90) Dibenzo(a,h)anthracene	16.53	278	23766	2.051	ng	# 91
91) Benzo(a,h,i)perylene	16.92	276	77024	6.608	ng	98

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

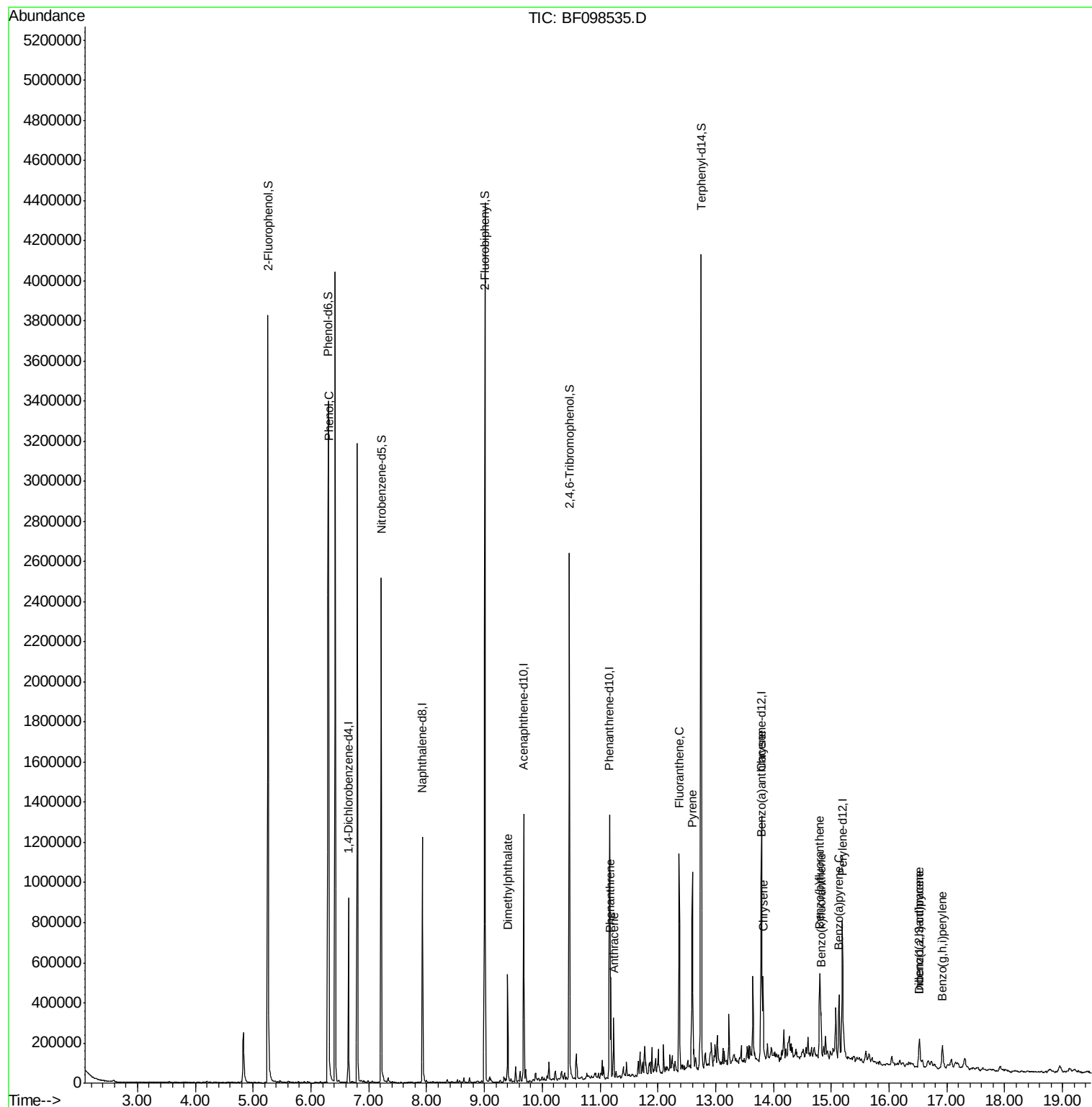
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF091417\
Data File : BF098535.D
Acq On : 14 Sep 2017 18:34
Operator : SJ/JU
Sample : I5160-07
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ALS Vial : 5 Sample Multiplier: 1

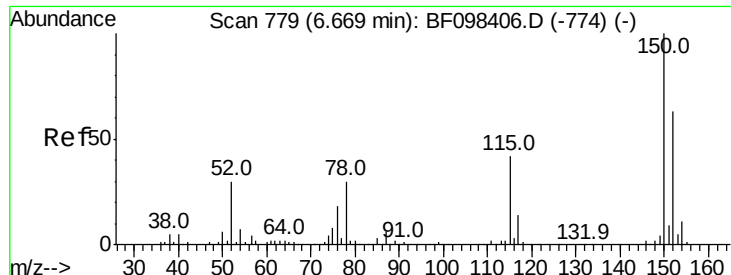
Instrument :
BNA_F
ClientSampleId :
G-8-1

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Quant Time: Sep 15 05:33:02 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
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#1

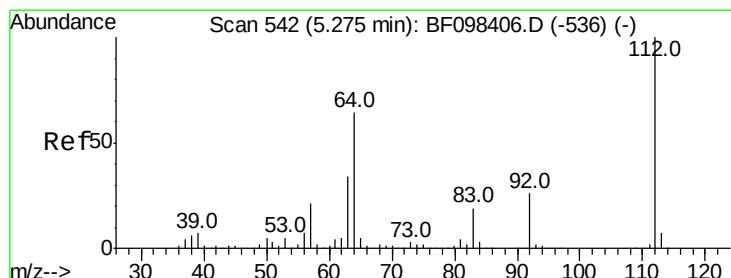
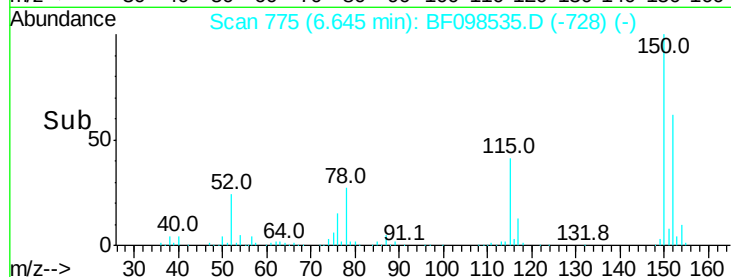
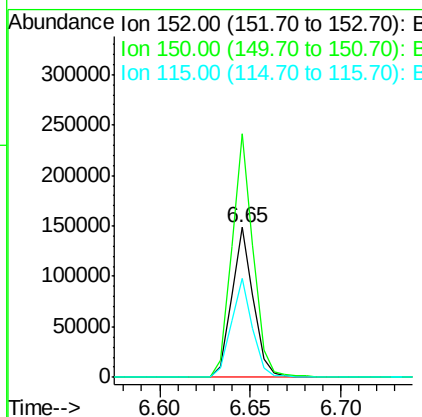
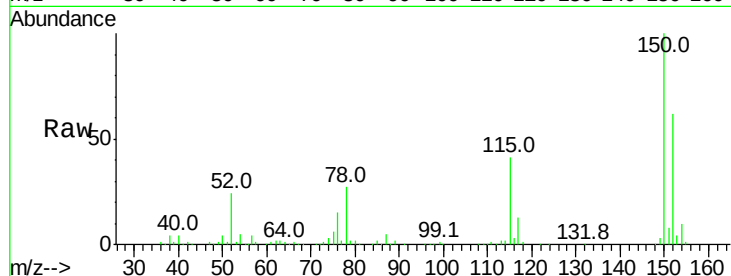
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.65 min Scan# 775
Delta R.T. -0.02 min
Lab File: BF098535.D
Acq: 14 Sep 2017 18:34

Instrument :
BNA_F
ClientSampled :
G-8-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.4	126.2	189.2
115	66.1	52.2	78.2

Manual Integrations
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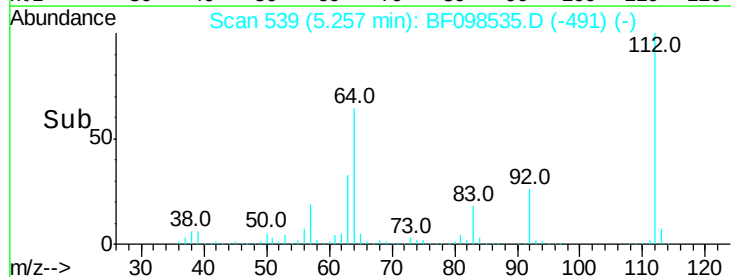
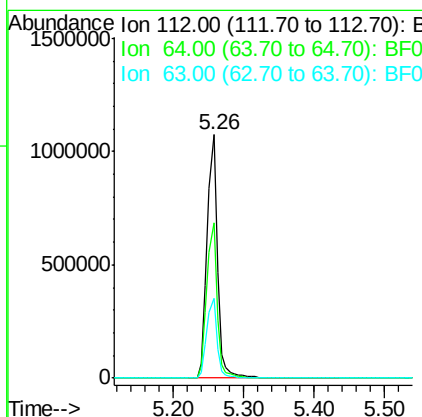
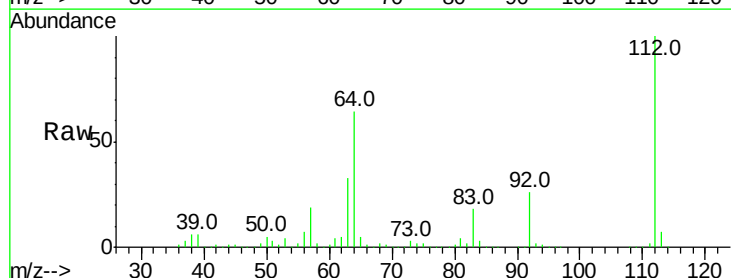
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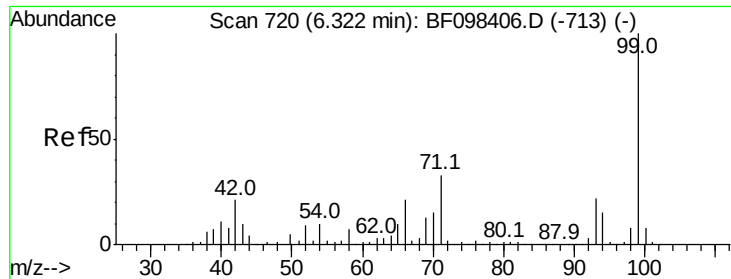


#5

2-Fluorophenol
Concen: 132.533 ng
RT: 5.26 min Scan# 539
Delta R.T. -0.02 min
Lab File: BF098535.D
Acq: 14 Sep 2017 18:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.7	46.0	69.0
63	32.7	23.4	35.0





#7

Phenol-d6

Concen: 128.653 ng

RT: 6.30 min Scan# 716

Delta R.T. -0.02 min

Lab File: BF098535.D

Acq: 14 Sep 2017 18:34

Instrument :

BNA_F

ClientSampled :

G-8-1

Tot Ion: 99 Resp: 1359998

Ion Ratio Lower Upper

99 100

42 18.6 13.5 20.3

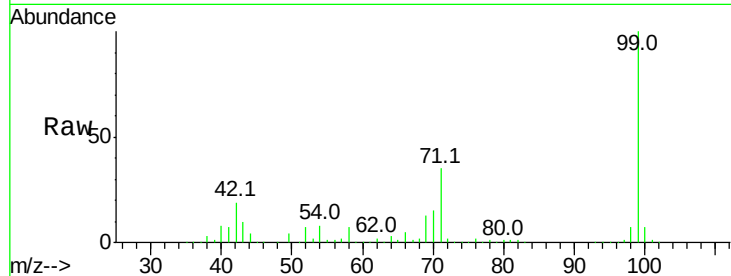
71 35.0 24.5 36.7

Manual Integrations

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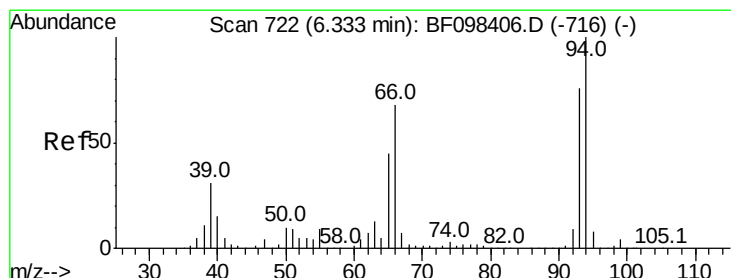
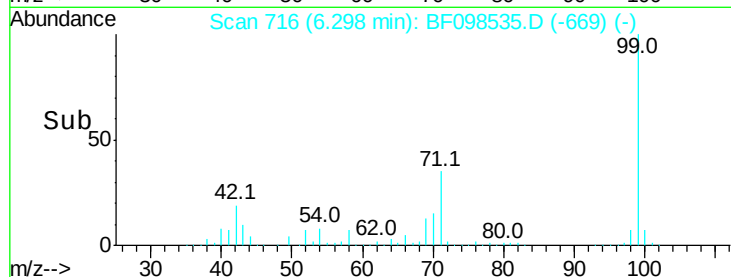
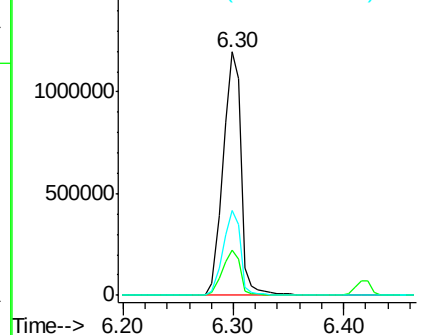
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 3.034 ng

RT: 6.31 min Scan# 718

Delta R.T. -0.02 min

Lab File: BF098535.D

Acq: 14 Sep 2017 18:34

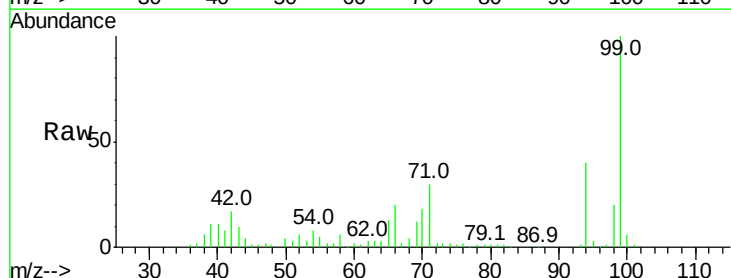
Tgt Ion: 94 Resp: 37247

Ion Ratio Lower Upper

94 100

65 31.1 9.9 49.9

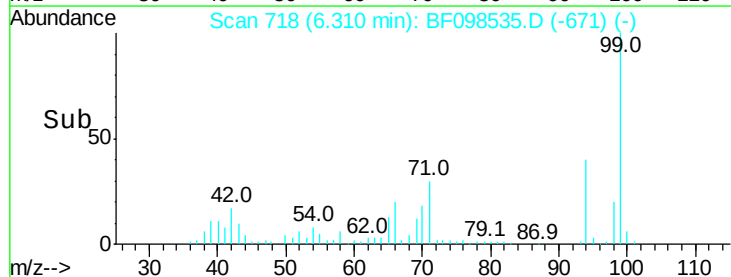
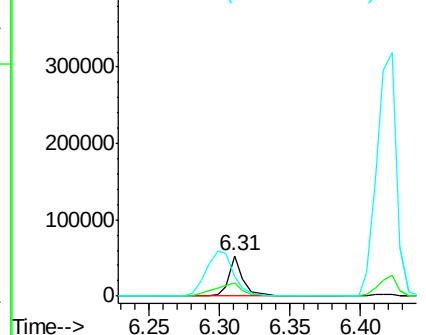
66 48.9 23.1 63.1

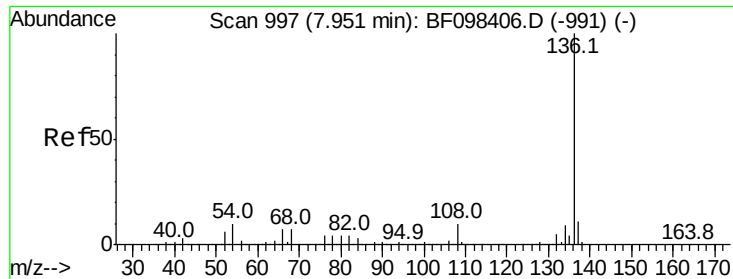


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





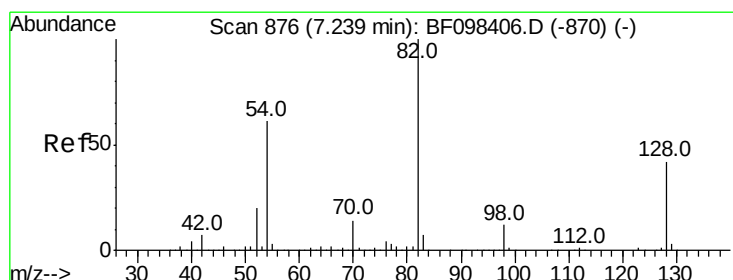
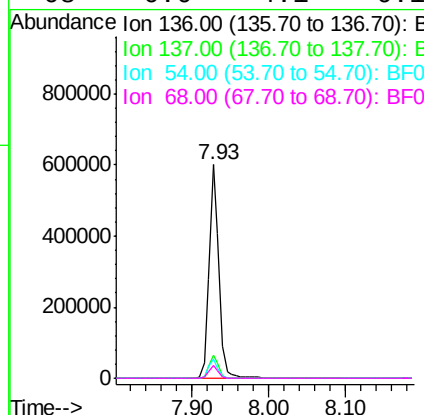
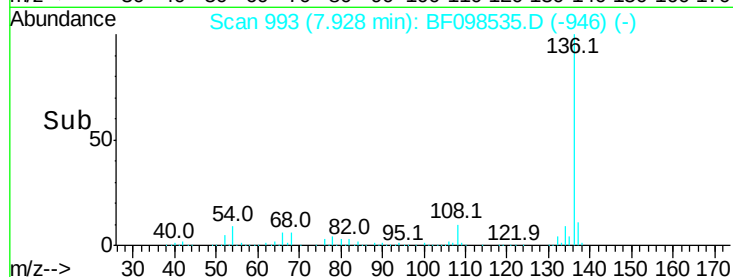
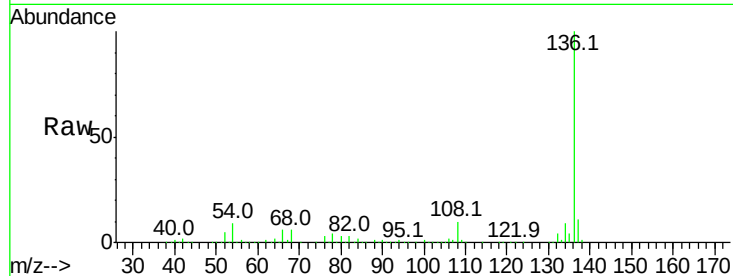
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.93 min Scan# 993
Delta R.T. -0.02 min
Lab File: BF098535.D
Acq: 14 Sep 2017 18:34

Instrument :
BNA_F
ClientSampleId :
G-8-1

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.8	8.5	12.7	
54	9.2	4.9	7.3	
68	6.0	4.1	6.1	

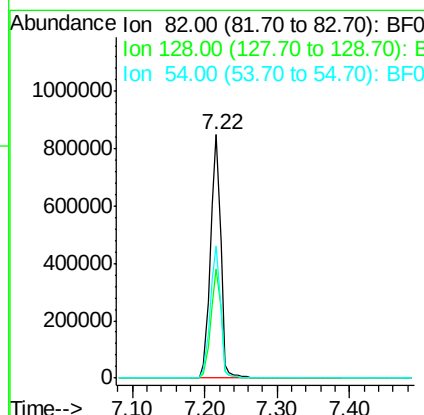
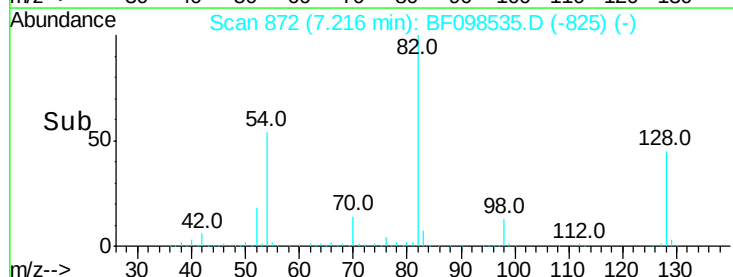
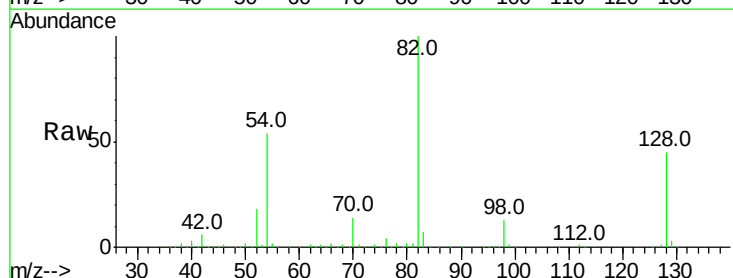
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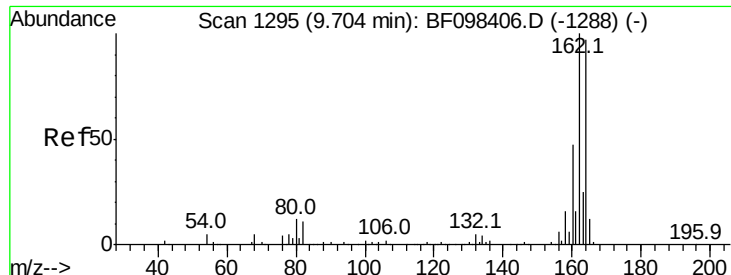
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#23
Nitrobenzene-d5
Concen: 88.882 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.02 min
Lab File: BF098535.D
Acq: 14 Sep 2017 18:34

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.0	34.0	51.0	
54	54.2	42.2	63.2	





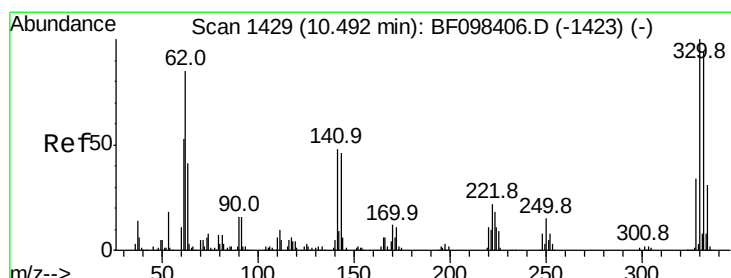
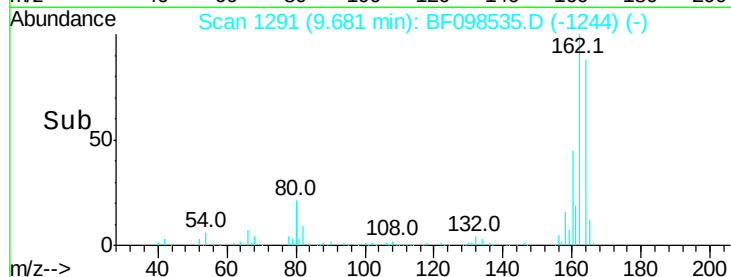
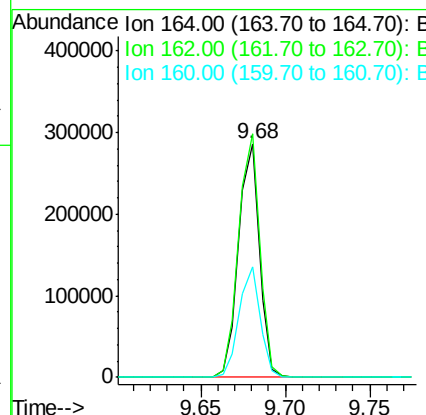
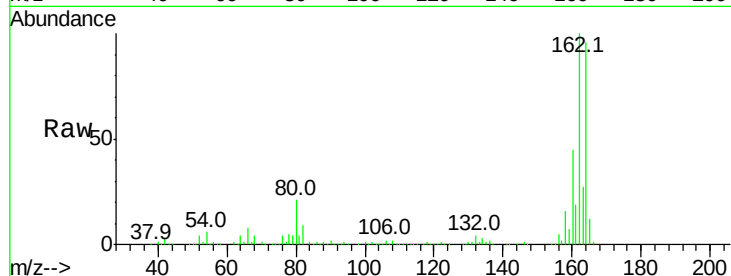
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.68 min Scan# 1291
 Delta R.T. -0.02 min
 Lab File: BF098535.D
 Acq: 14 Sep 2017 18:34

Instrument :
 BNA_F
 ClientSampleId :
 G-8-1

Tot Ion	Ratio	Resp	Lower	Upper
164	100	245085		
162	104.3	82.6	123.8	
160	47.3	36.2	54.2	

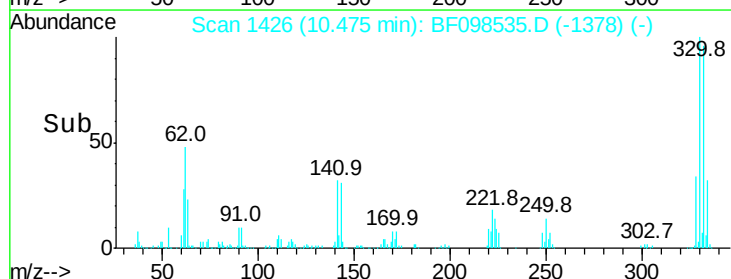
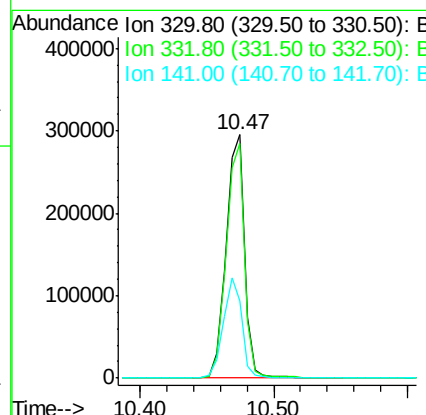
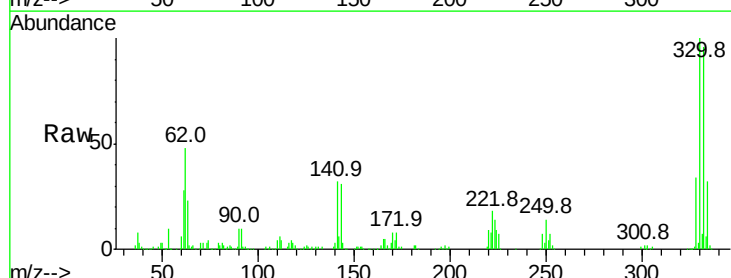
Manual Integrations
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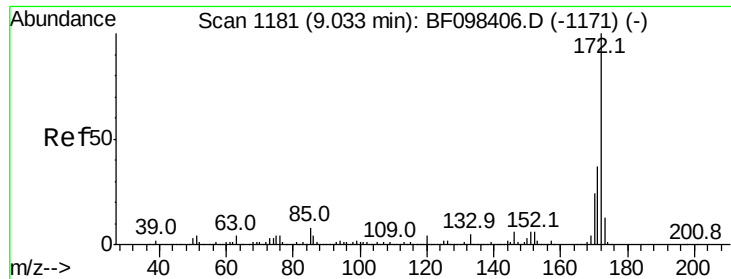
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#41
 2,4,6-Tribromophenol
 Concen: 177.299 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. -0.02 min
 Lab File: BF098535.D
 Acq: 14 Sep 2017 18:34

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	290015		
332	96.0	76.6	115.0	
141	42.1	31.4	47.2	





#44

2-Fluorobiphenyl

Concen: 101.898 ng

RT: 9.01 min Scan# 1177

Delta R.T. -0.02 min

Lab File: BF098535.D

Acq: 14 Sep 2017 18:34

Instrument :

BNA_F

ClientSampleId :

G-8-1

Tot Ion:172 Resp: 1473445

Ion Ratio Lower Upper

172 100

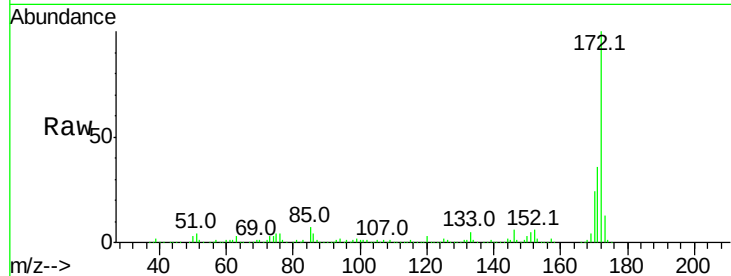
171 36.1 29.6 44.4

170 23.8 19.8 29.8

Manual Integrations
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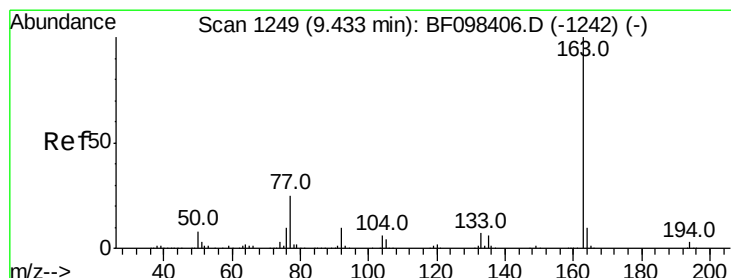
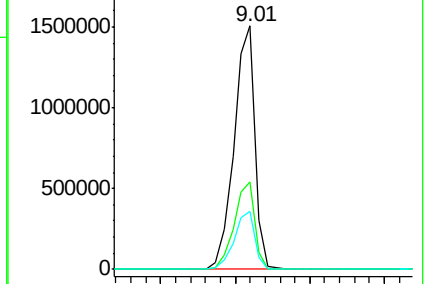
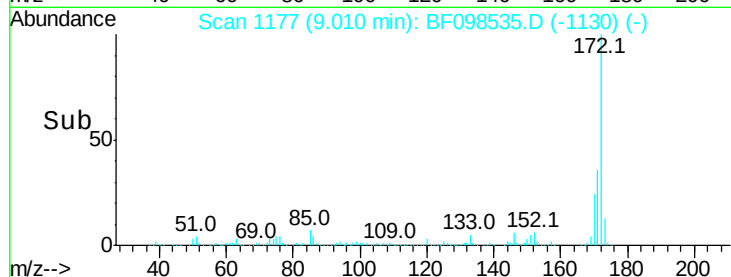
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Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49

Dimethylphthalate

Concen: 9.999 ng

RT: 9.40 min Scan# 1244

Delta R.T. -0.03 min

Lab File: BF098535.D

Acq: 14 Sep 2017 18:34

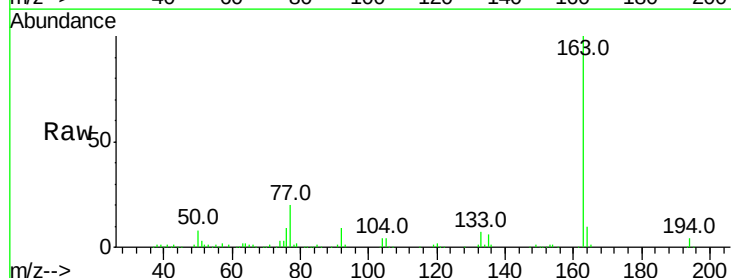
Tgt Ion:163 Resp: 189690

Ion Ratio Lower Upper

163 100

194 3.6 2.6 4.0

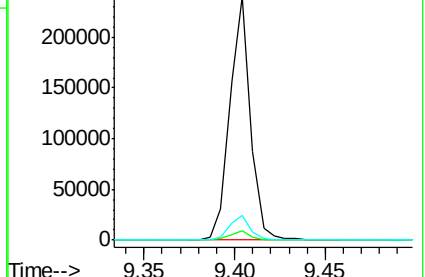
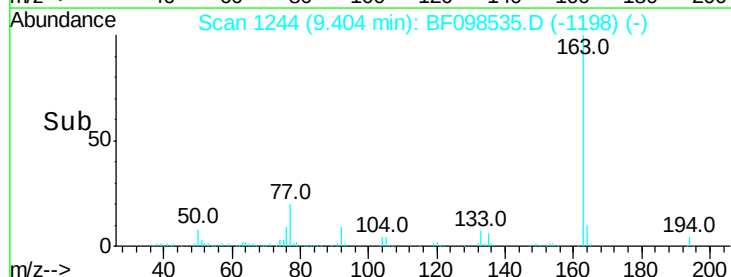
164 10.3 8.4 12.6

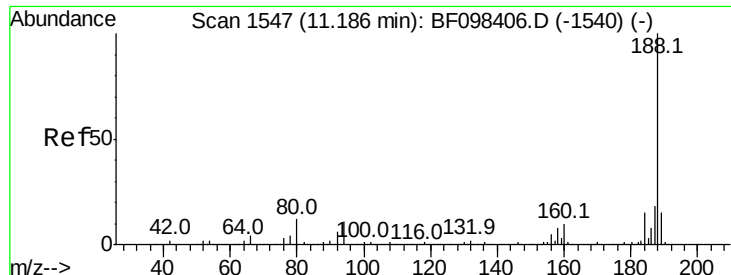


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





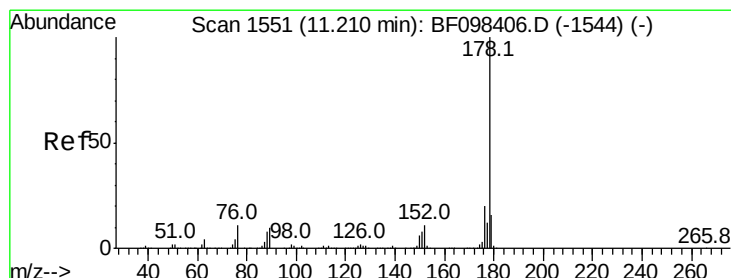
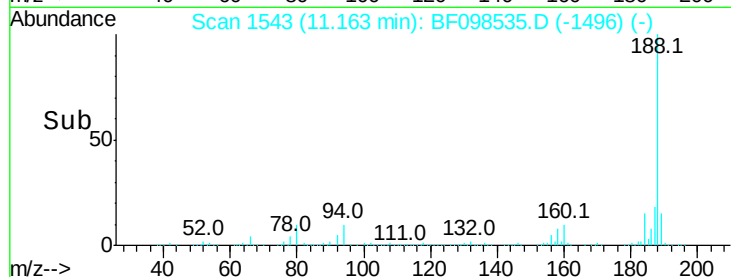
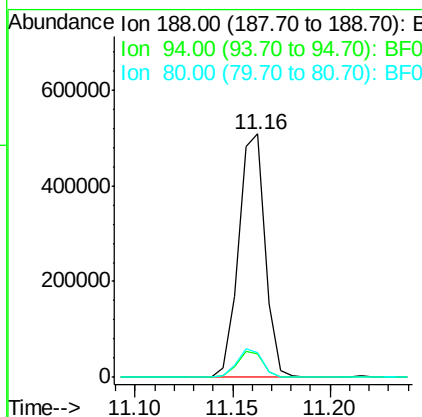
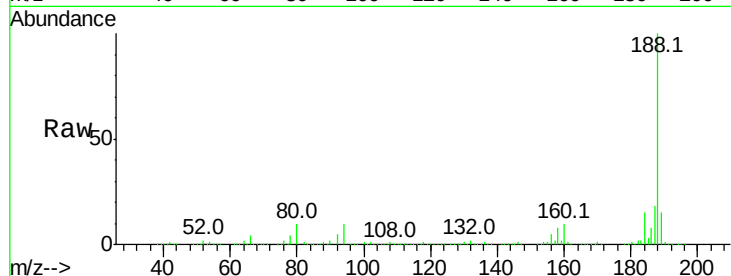
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.16 min Scan# 1543
Delta R.T. -0.02 min
Lab File: BF098535.D
Acq: 14 Sep 2017 18:34

Instrument :
BNA_F
ClientSampleId :
G-8-1

Tot Ion	Ratio	Resp	Lower	Upper
188	100	476931		
94	9.7		9.4	14.2
80	10.2		10.2	15.2

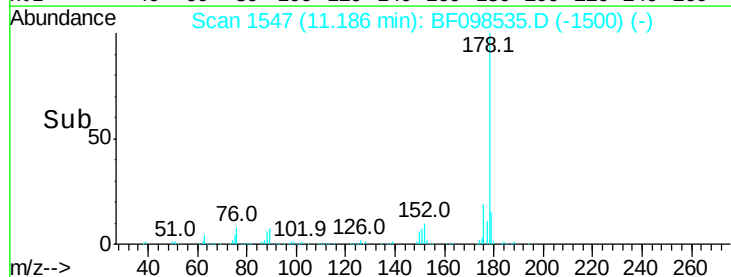
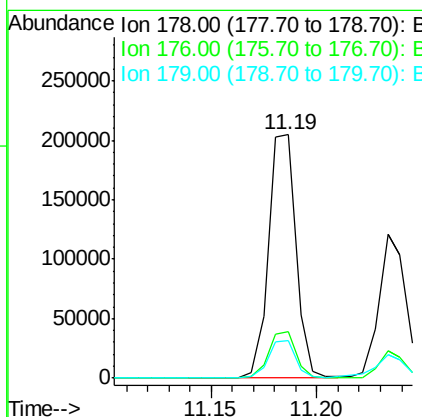
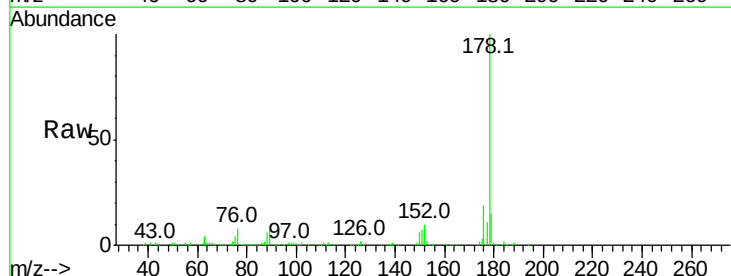
Manual Integrations
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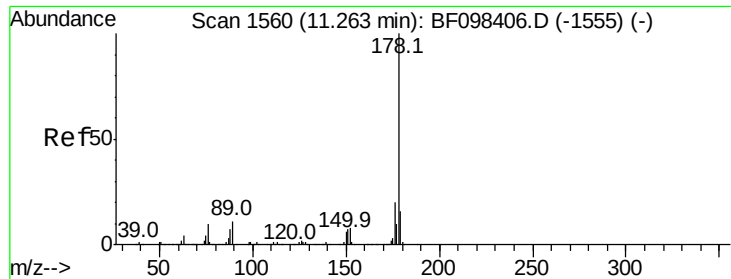
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#70
Phenanthrene
Concen: 7.347 ng
RT: 11.19 min Scan# 1547
Delta R.T. -0.02 min
Lab File: BF098535.D
Acq: 14 Sep 2017 18:34

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	185755		
176	19.3		16.2	24.4
179	15.2		12.6	19.0





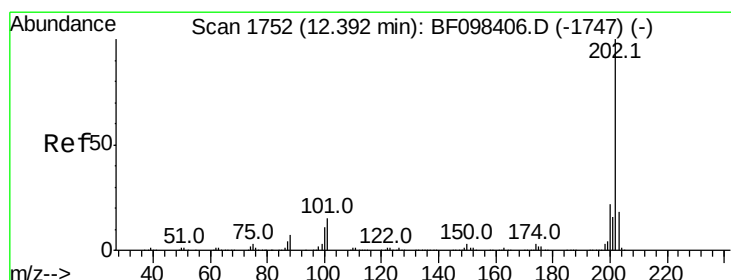
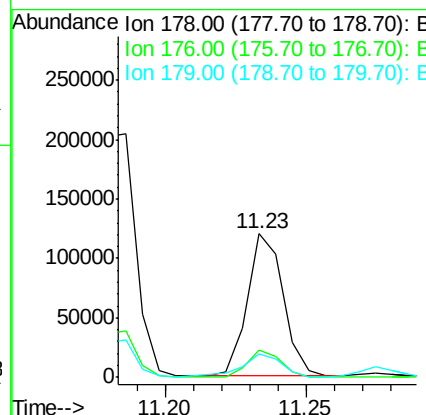
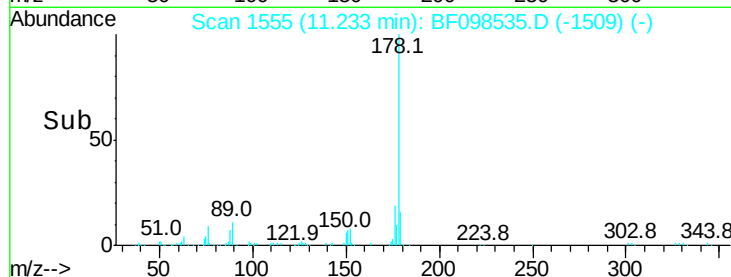
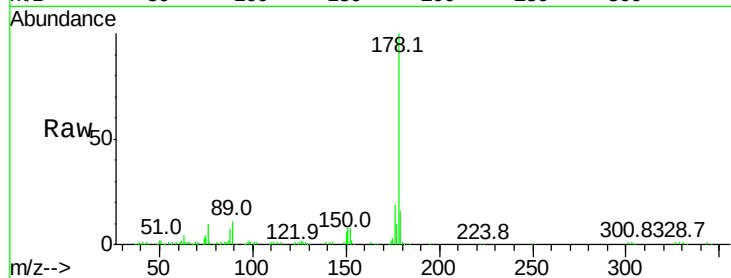
#71
 Anthracene
 Concen: 4.111 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.03 min
 Lab File: BF098535.D
 Acq: 14 Sep 2017 18:34

Instrument :
 BNA_F
 ClientSampled :
 G-8-1

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.8	23.8
179	16.3	12.7	19.1

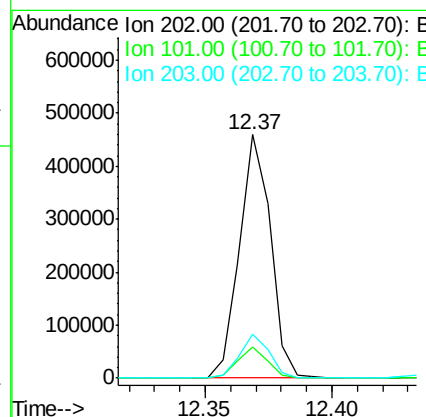
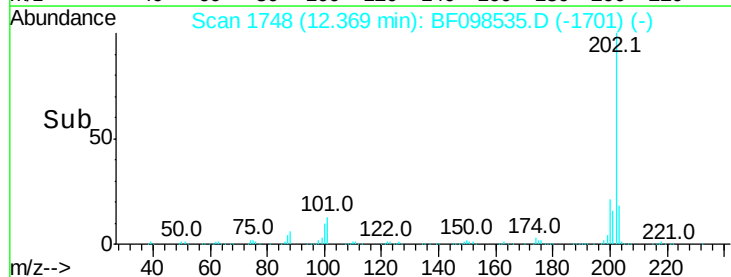
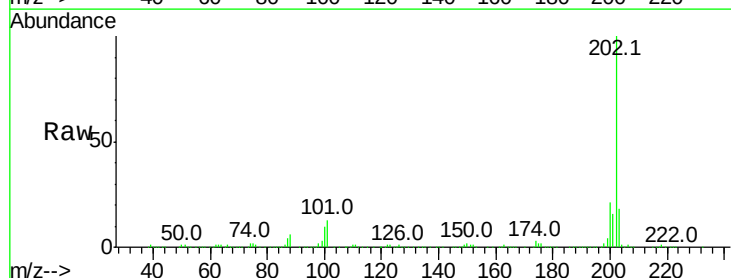
Manual Integrations
 APPROVED

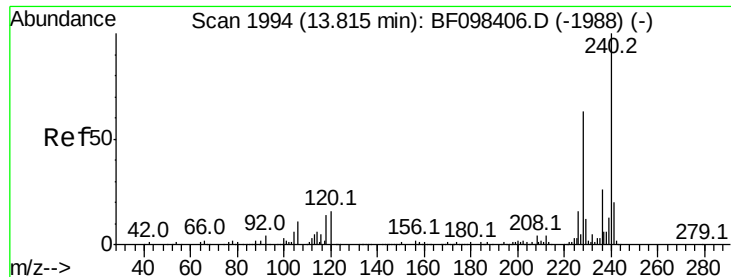
Sohil
 9/15/2017 5:43:47 PM



#74
 Fluoranthene
 Concen: 15.421 ng
 RT: 12.37 min Scan# 1748
 Delta R.T. -0.02 min
 Lab File: BF098535.D
 Acq: 14 Sep 2017 18:34

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	33.2
203	18.0	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.79 min Scan# 1990

Delta R.T. -0.02 min

Lab File: BF098535.D

Acq: 14 Sep 2017 18:34

Instrument :

BNA_F

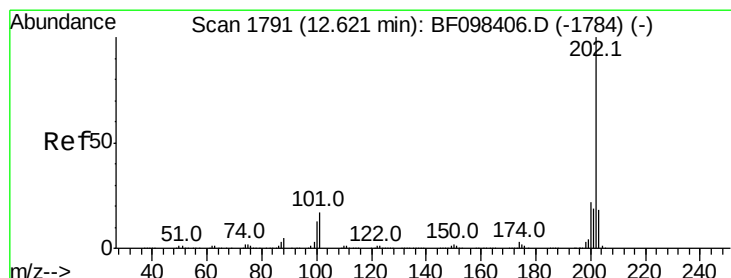
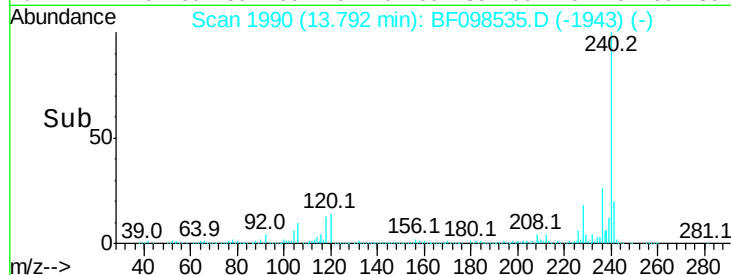
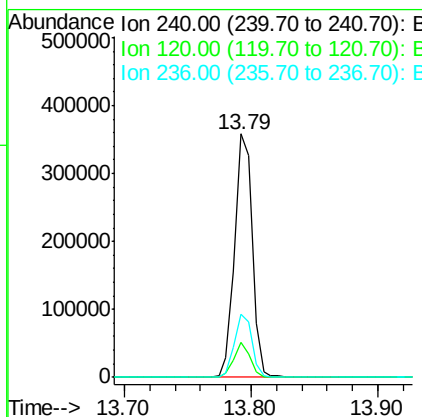
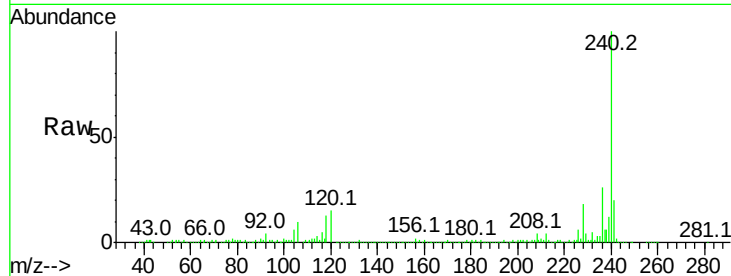
ClientSampleId :

G-8-1

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	14.5	5.8	8.8#	
236	26.1	20.5	30.7	

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#77

Pyrene

Concen: 13.871 ng

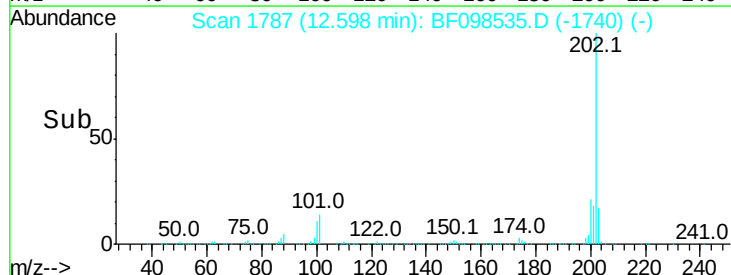
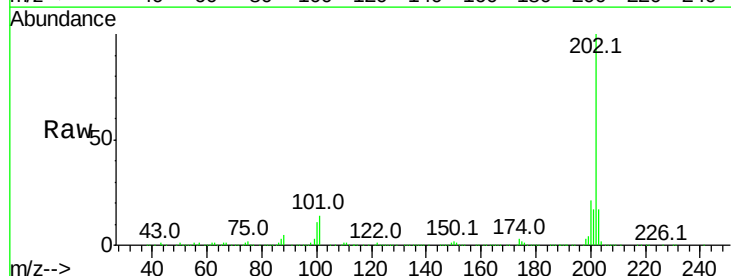
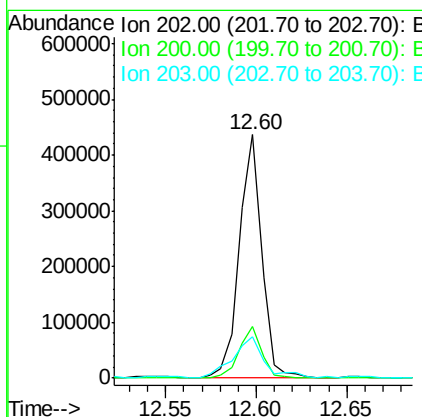
RT: 12.60 min Scan# 1787

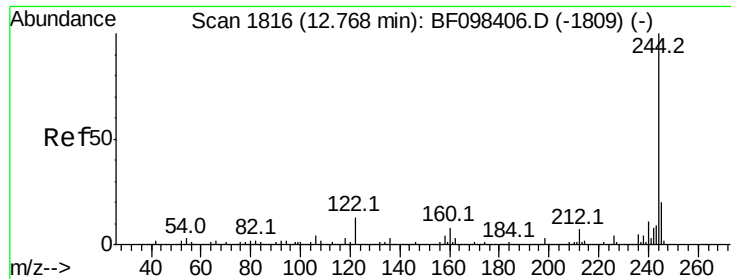
Delta R.T. -0.02 min

Lab File: BF098535.D

Acq: 14 Sep 2017 18:34

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.0	17.6	26.4	
203	17.1	14.4	21.6	





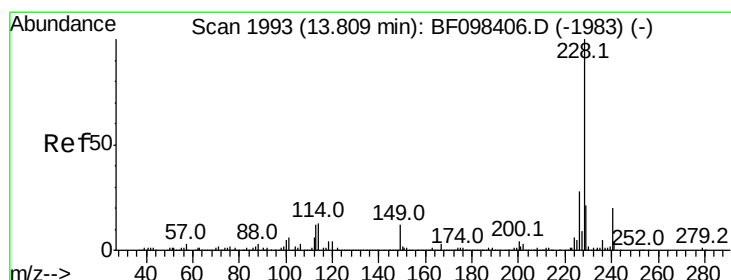
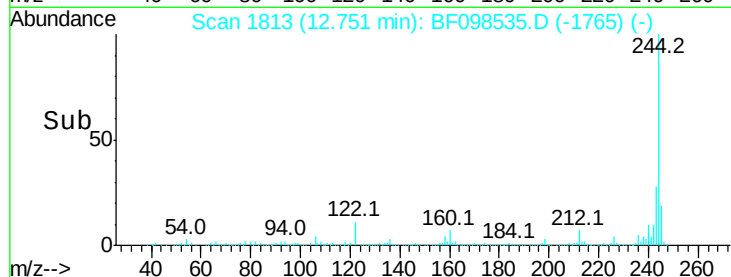
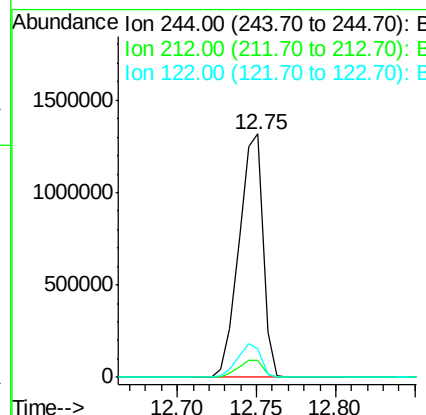
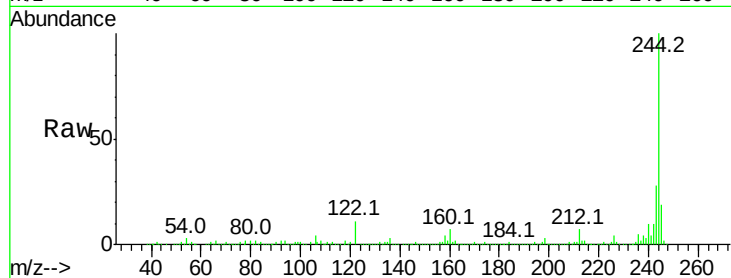
#78
 Terphenyl-d14
 Concen: 87.162 ng
 RT: 12.75 min Scan# 1813
 Delta R.T. -0.02 min
 Lab File: BF098535.D
 Acq: 14 Sep 2017 18:34

Instrument :
 BNA_F
 ClientSampleId :
 G-8-1

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	11.5	10.3	15.5

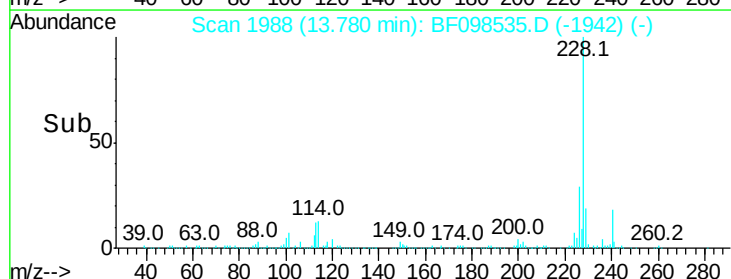
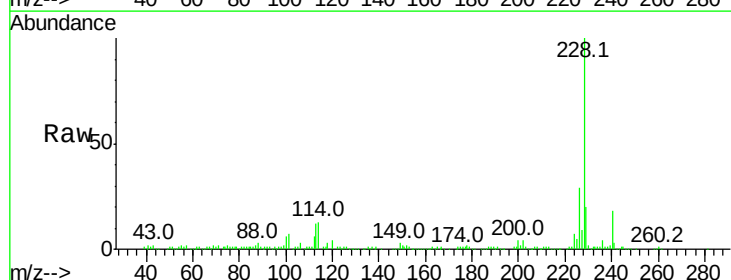
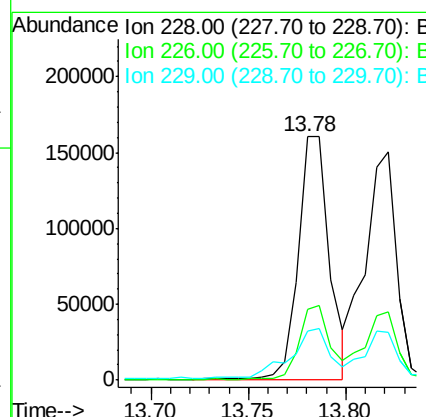
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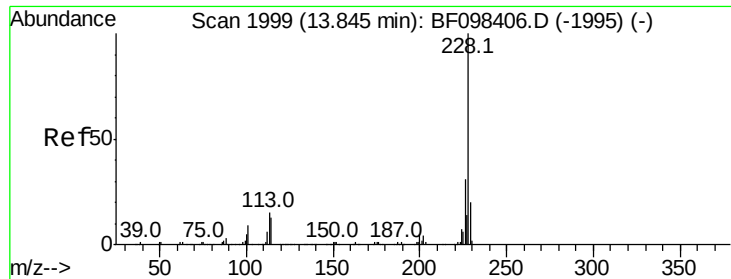
Sohil
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#80
 Benzo(a)anthracene
 Concen: 8.812 ng
 RT: 13.78 min Scan# 1988
 Delta R.T. -0.03 min
 Lab File: BF098535.D
 Acq: 14 Sep 2017 18:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.6	33.8
229	20.0	16.3	24.5





#82

Chrysene

Concen: 8.347 ng

RT: 13.82 min Scan# 1995

Delta R.T. -0.02 min

Lab File: BF098535.D

Acq: 14 Sep 2017 18:34

Instrument :

BNA_F

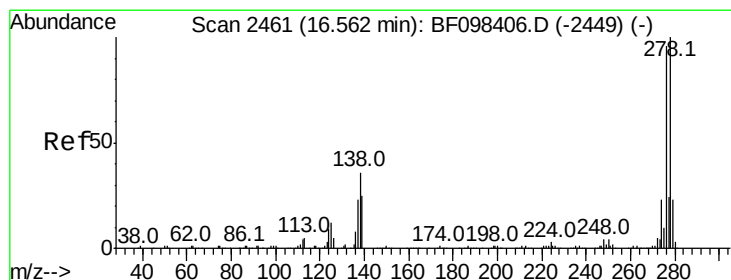
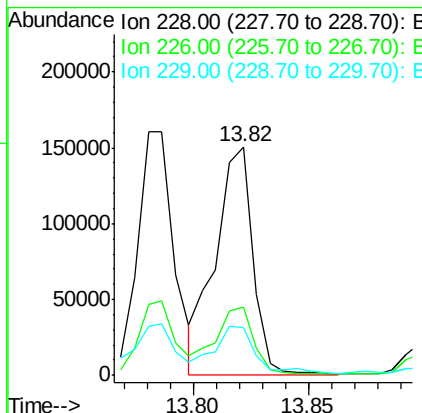
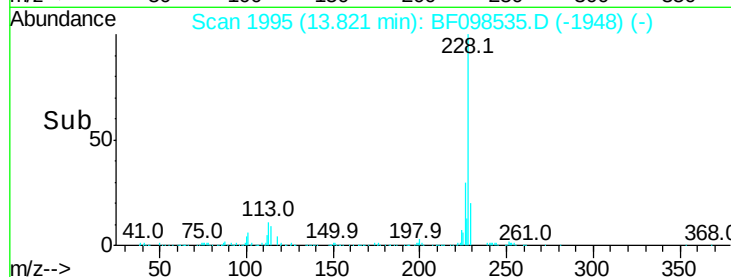
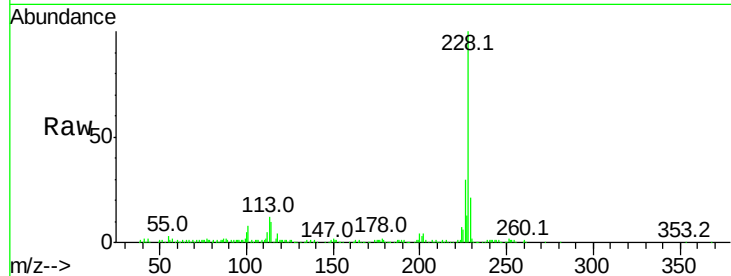
ClientSampled :

G-8-1

Tot Ion:	228	Resp:	169328
Ion Ratio	Lower	Upper	
228	100		
226	29.9	24.9	37.3
229	20.7	15.8	23.6

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 5.463 ng

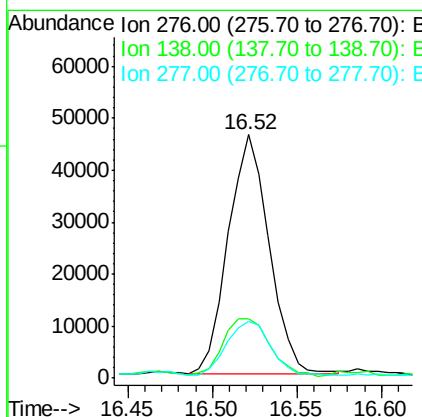
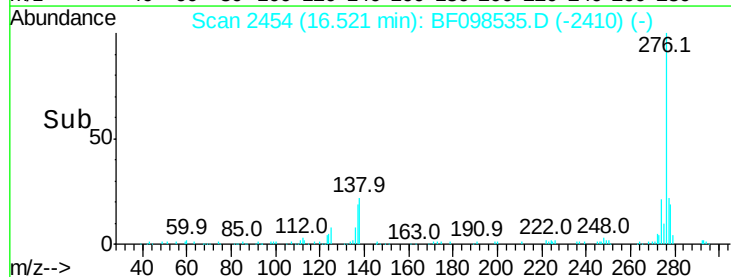
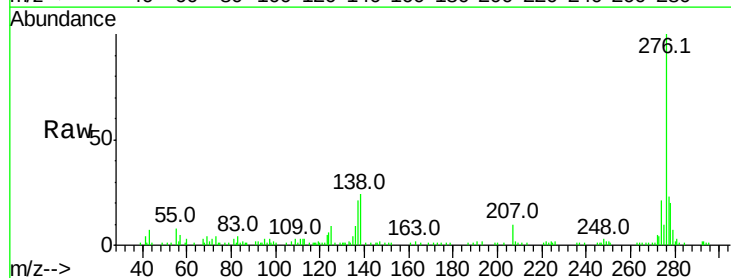
RT: 16.52 min Scan# 2454

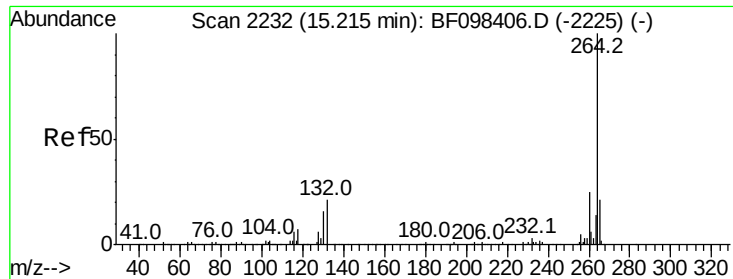
Delta R.T. -0.04 min

Lab File: BF098535.D

Acq: 14 Sep 2017 18:34

Tgt Ion:	276	Resp:	77747
Ion Ratio	Lower	Upper	
276	100		
138	27.3	27.8	41.6#
277	25.1	20.2	30.4





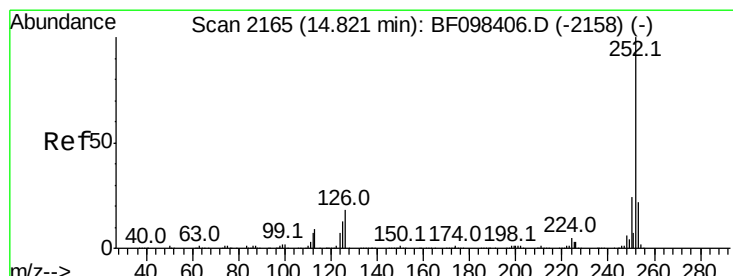
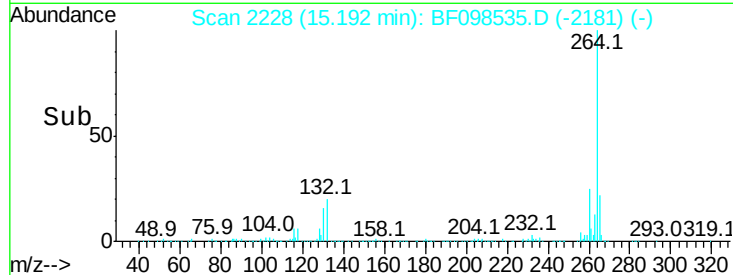
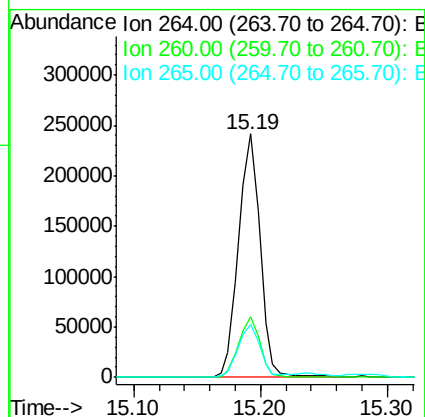
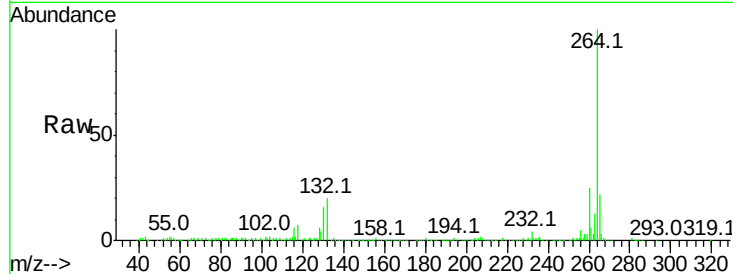
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.19 min Scan# 2228
Delta R.T. -0.02 min
Lab File: BF098535.D
Acq: 14 Sep 2017 18:34

Instrument :
BNA_F
ClientSampleId :
G-8-1

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.5	29.3
265	22.0	17.2	25.8

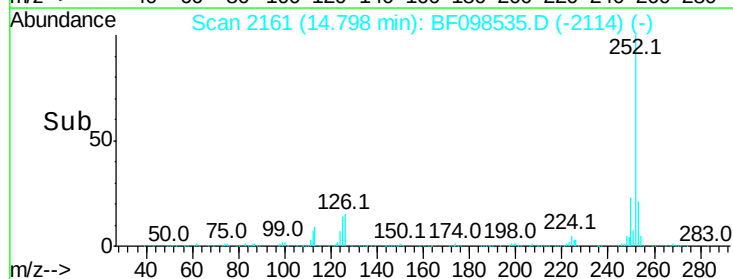
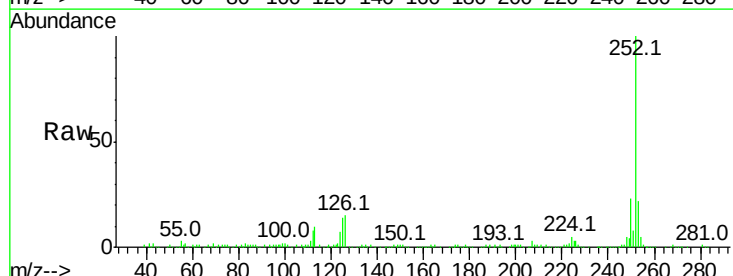
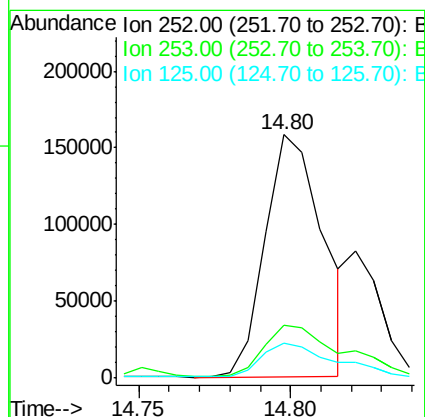
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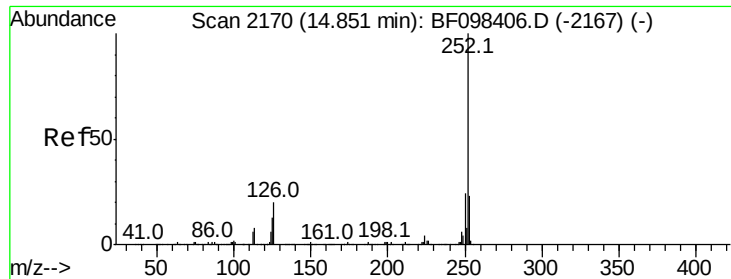
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#87
Benzo(b)fluoranthene
Concen: 11.653 ng m
RT: 14.80 min Scan# 2161
Delta R.T. -0.02 min
Lab File: BF098535.D
Acq: 14 Sep 2017 18:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.1	27.1
125	14.3	9.8	14.8





#88

Benzo(k)fluoranthene

Concen: 3.764 ng/mL

RT: 14.82 min Scan# 2165

Delta R.T. -0.03 min

Lab File: BF098535.D

Acq: 14 Sep 2017 18:34

Instrument :

BNA_F

ClientSampled :

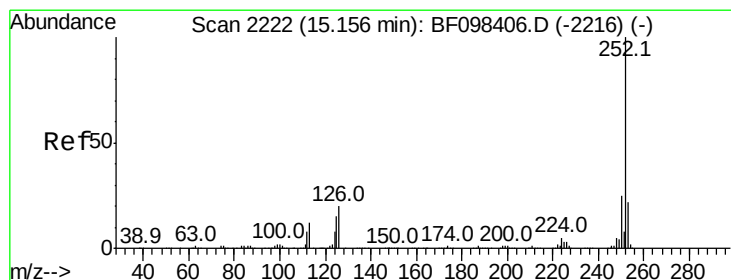
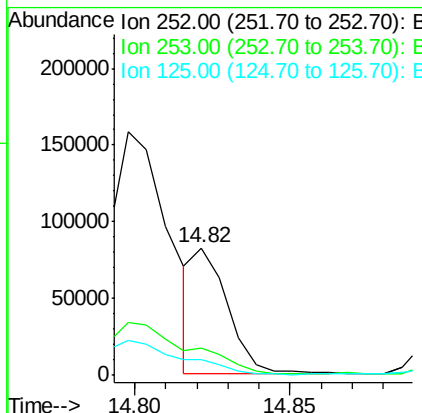
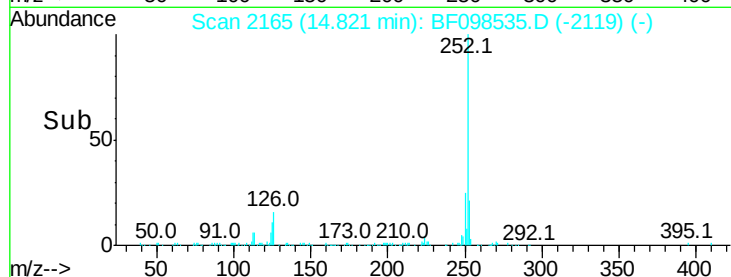
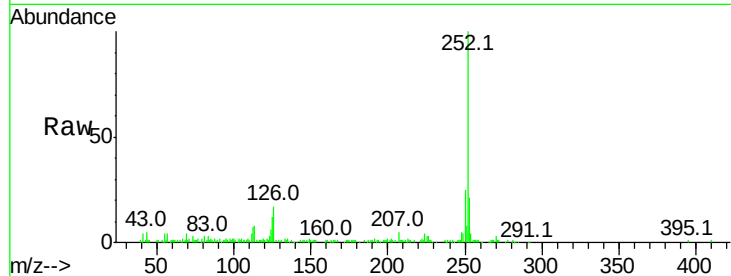
G-8-1

Tot Ion:252	Resp:	62844
Ion Ratio	Lower	Upper
252	100	
253	21.2	18.4 27.6
125	12.3	13.1 19.7#

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#89

Benzo(a)pyrene

Concen: 8.137 ng/mL

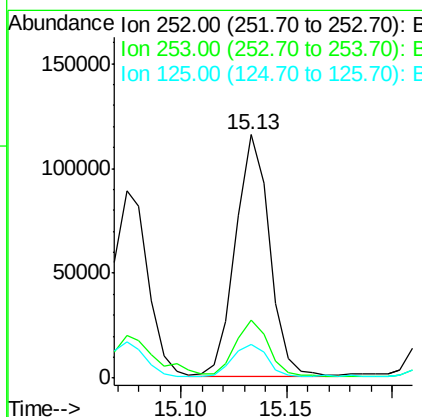
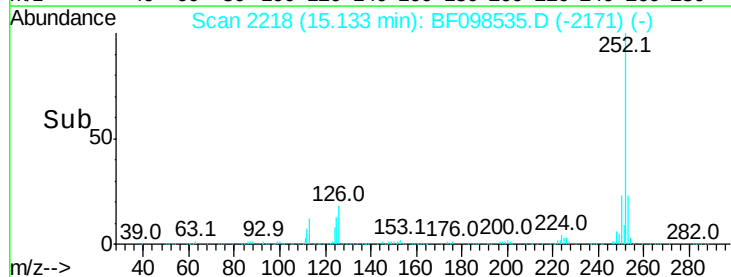
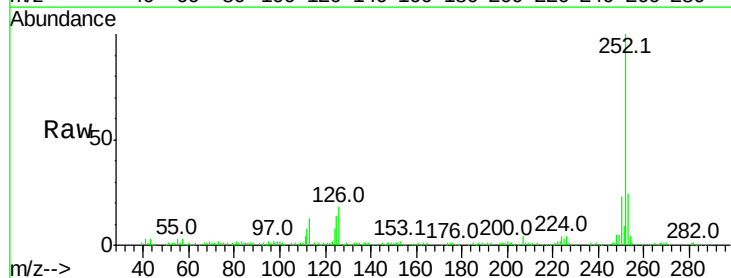
RT: 15.13 min Scan# 2218

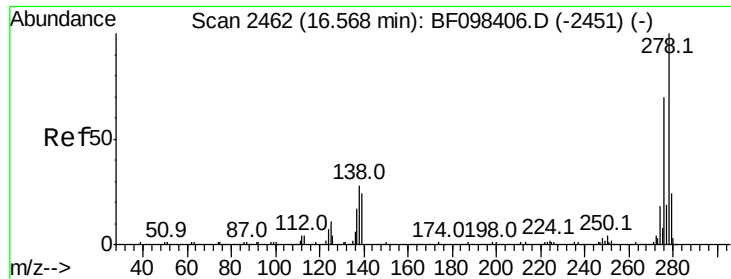
Delta R.T. -0.02 min

Lab File: BF098535.D

Acq: 14 Sep 2017 18:34

Tgt Ion:252	Resp:	129635
Ion Ratio	Lower	Upper
252	100	
253	23.7	17.5 26.3
125	13.7	11.0 16.4





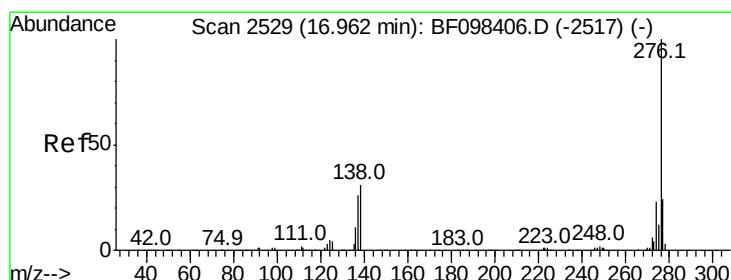
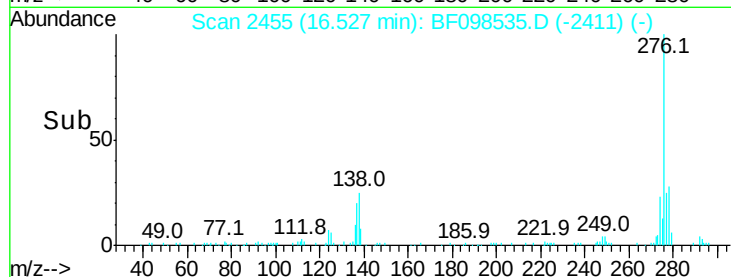
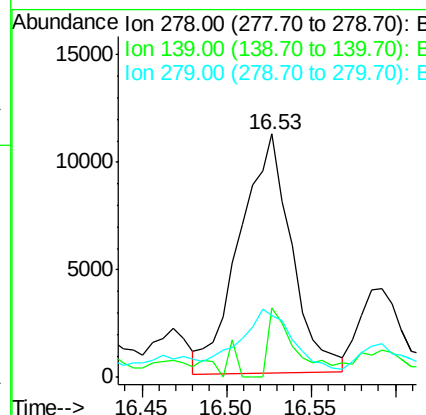
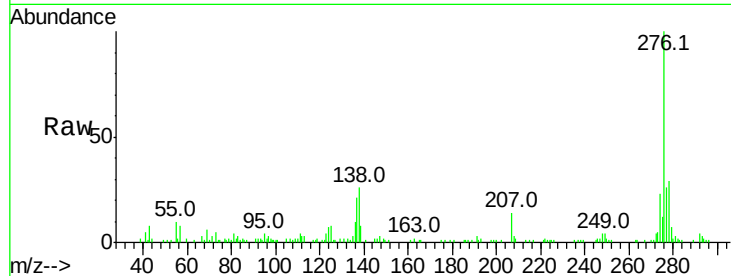
#90
Dibenzo(a,h)anthracene
Concen: 2.051 ng
RT: 16.53 min Scan# 2455
Delta R.T. -0.04 min
Lab File: BF098535.D
Acq: 14 Sep 2017 18:34

Instrument :
BNA_F
ClientSampled :
G-8-1

Tot Ion	Ratio	Lower	Upper
278	100		
139	28.8	16.6	24.8
279	25.2	19.3	28.9

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#91
Benzo(g,h,i)perylene
Concen: 6.608 ng
RT: 16.92 min Scan# 2522
Delta R.T. -0.04 min
Lab File: BF098535.D
Acq: 14 Sep 2017 18:34

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.6	28.0
138	29.4	25.4	38.0

