

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091417\
 Data File : BF098542.D
 Acq On : 14 Sep 2017 21:53
 Operator : SJ/JU
 Sample : I5160-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G-8-2

Manual Integrations
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Sohil
 9/15/2017 5:43:58 PM

Quant Time: Sep 15 06:38:26 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	137030	20.00	ng	-0.02
21) Naphthalene-d8	7.93	136	552336	20.00	ng	-0.02
38) Acenaphthene-d10	9.68	164	241558	20.00	ng	-0.02
63) Phenanthrene-d10	11.16	188	381059	20.00	ng	-0.02
75) Chrysene-d12	13.80	240	258570	20.00	ng	-0.02
86) Perylene-d12	15.20	264	298660	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	1192122	128.63	ng	-0.02
7) Phenol-d6	6.30	99	1467361	124.70	ng	-0.02
23) Nitrobenzene-d5	7.22	82	894347	90.27	ng	-0.02
41) 2,4,6-Tribromophenol	10.47	330	236204	146.51	ng	-0.02
44) 2-Fluorobiphenyl	9.01	172	1483805	104.11	ng	-0.02
78) Terphenyl-d14	12.74	244	913475	76.25	ng	-0.02
Target Compounds						Qvalue
10) Phenol	6.32	94	31850	2.330	ng	86
31) Naphthalene	7.95	128	106418	3.897	ng	99
37) 2-Methylnaphthalene	8.65	142	77085	4.661	ng	99
48) Acenaphthylene	9.54	152	51464	2.242	ng	# 95
49) Dimethylphthalate	9.40	163	214186	11.455	ng	99
54) Dibenzofuran	9.89	168	39444	2.052	ng	# 95
70) Phenanthrene	11.19	178	449096	22.231	ng	98
71) Anthracene	11.24	178	118130	5.696	ng	98
72) Carbazole	11.40	167	55075	2.849	ng	96
74) Fluoranthene	12.37	202	806816	39.896	ng	99
77) Pyrene	12.60	202	707600	34.690	ng	98
80) Benzo(a)anthracene	13.79	228	449411	29.646	ng	98
82) Chrysene	13.82	228	437450	28.547	ng	97
85) Indeno(1,2,3-cd)pyrene	16.54	276	305673	28.432	ng	# 91
87) Benzo(b)fluoranthene	14.81	252	722236m	38.460	ng	
88) Benzo(k)fluoranthene	14.83	252	246841m	14.080	ng	
89) Benzo(a)pyrene	15.14	252	456944	27.313	ng	97
90) Dibenz(a,h)anthracene	16.54	278	78904m	6.483	ng	
91) Benzo(a,h,i)perylene	16.94	276	279495	22.833	ng	96

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

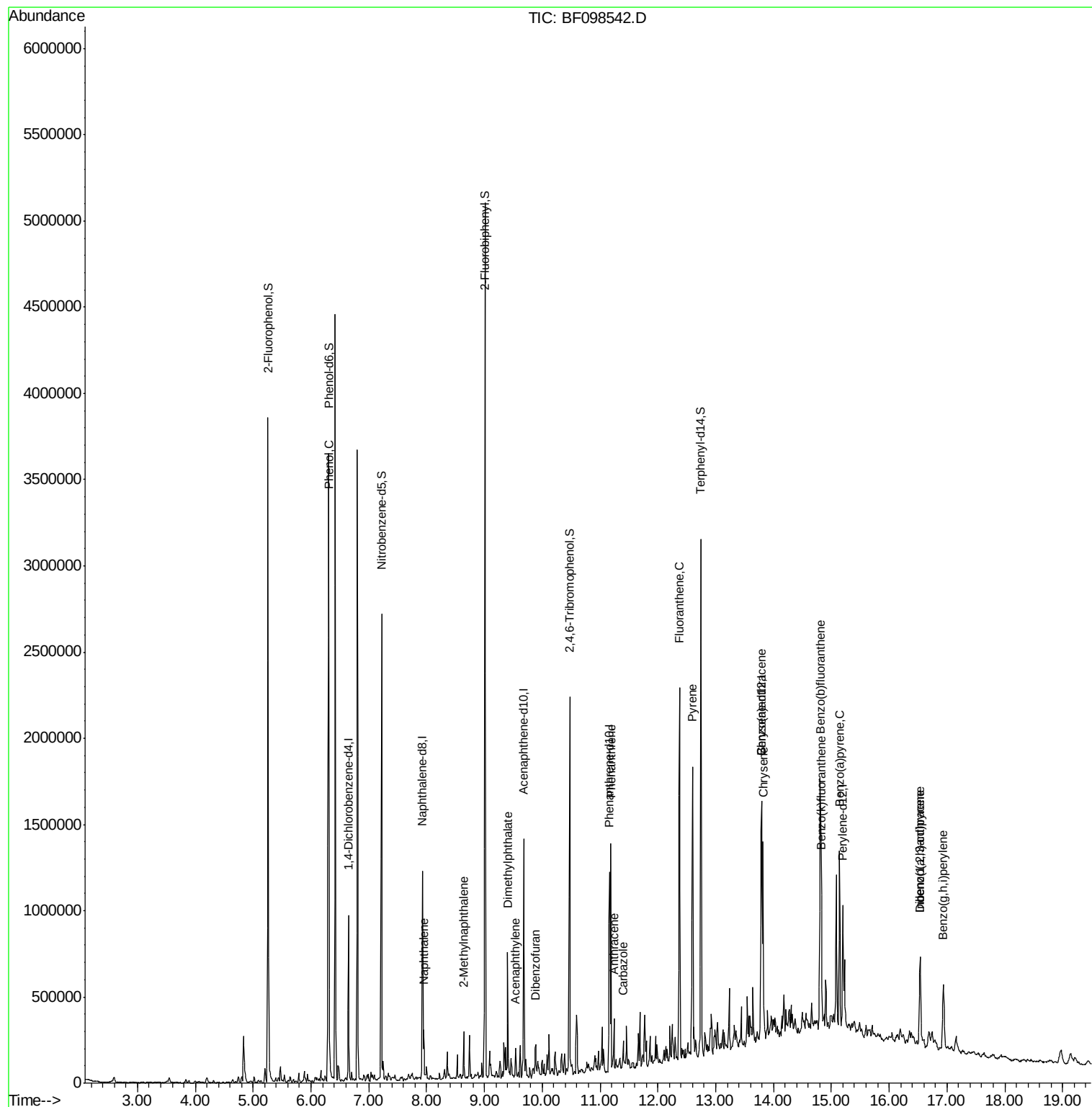
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF091417\
Data File : BF098542.D
Acq On : 14 Sep 2017 21:53
Operator : SJ/JU
Sample : I5160-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

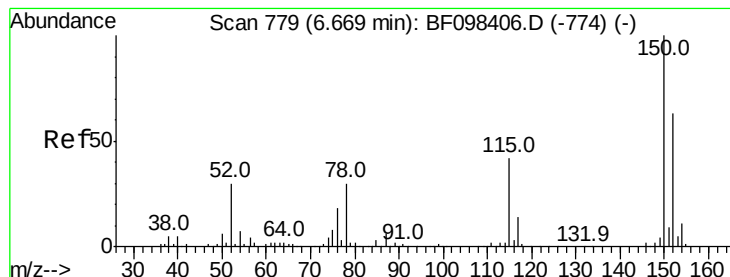
Instrument :
BNA_F
ClientSampled :
G-8-2

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9/15/2017 5:43:58 PM

Quant Time: Sep 15 06:38:26 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

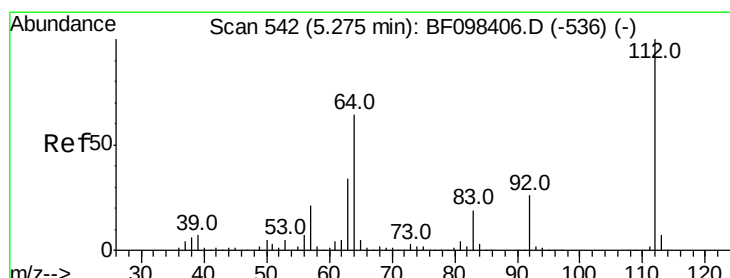
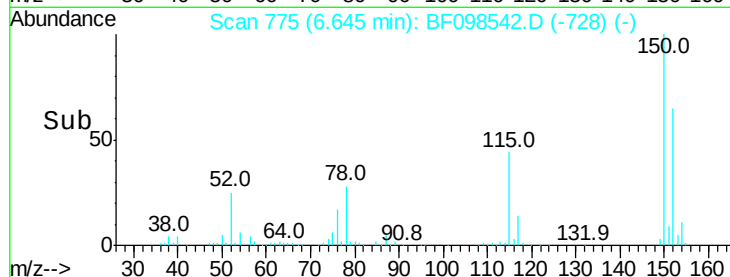
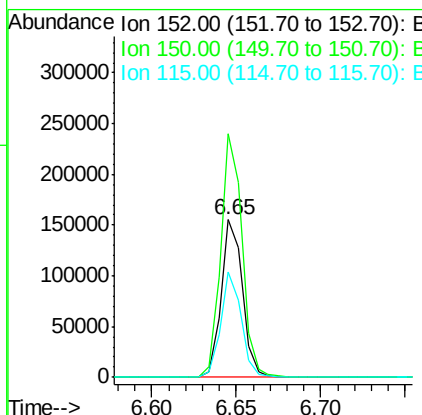
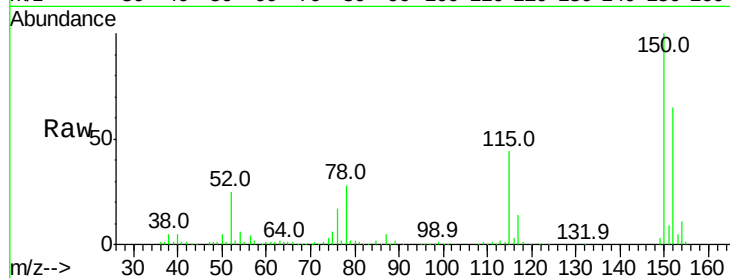
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.65 min Scan# 775
Delta R.T. -0.02 min
Lab File: BF098542.D
Acq: 14 Sep 2017 21:53

Instrument :
BNA_F
ClientSampled :
G-8-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	126.2	189.2
115	67.2	52.2	78.2

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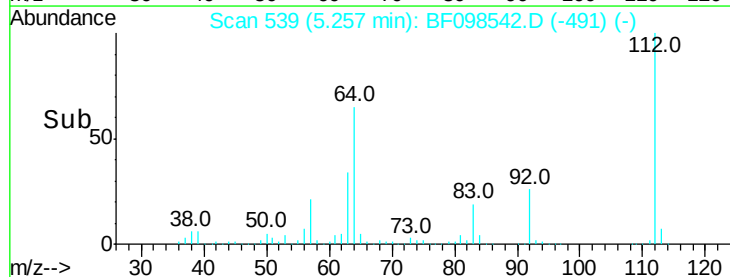
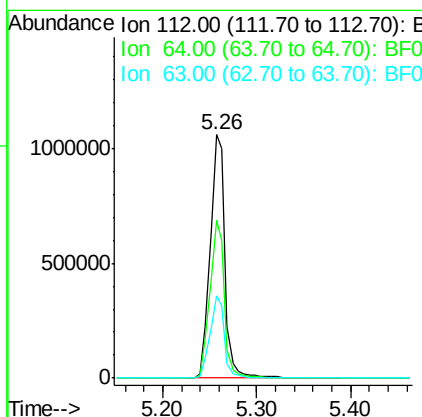
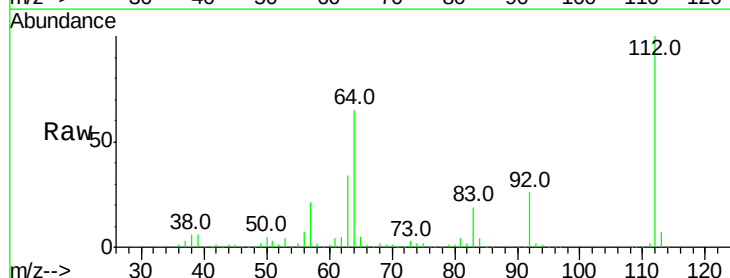
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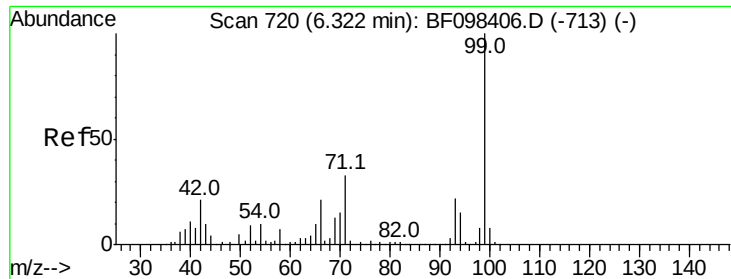


#5

2-Fluorophenol
Concen: 128.627 ng
RT: 5.26 min Scan# 539
Delta R.T. -0.02 min
Lab File: BF098542.D
Acq: 14 Sep 2017 21:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.0	46.0	69.0
63	33.6	23.4	35.0





#7

Phenol-d6

Concen: 124.698 ng

RT: 6.30 min Scan# 717

Delta R.T. -0.02 min

Lab File: BF098542.D

Acq: 14 Sep 2017 21:53

Instrument :

BNA_F

ClientSampleId :

G-8-2

Tot Ion: 99 Resp: 1467361

Ion Ratio Lower Upper

99 100

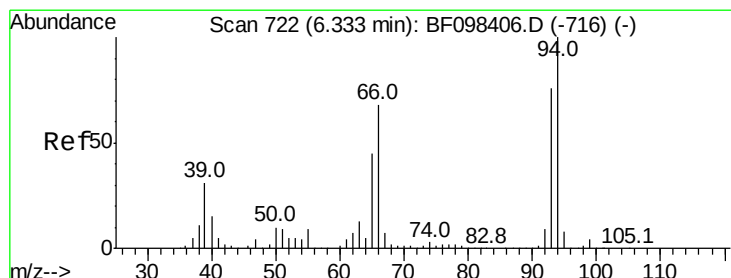
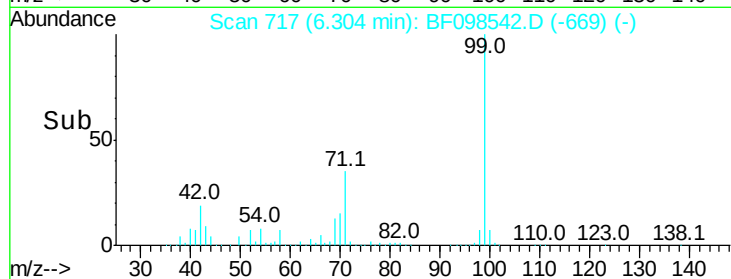
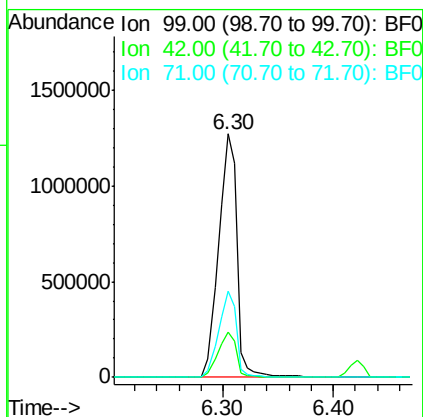
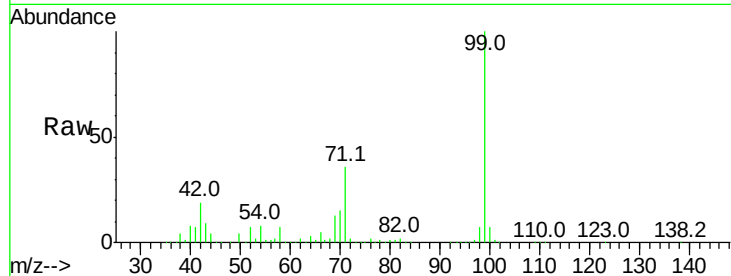
42 18.7 13.5 20.3

71 35.5 24.5 36.7

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#10

Phenol

Concen: 2.330 ng

RT: 6.32 min Scan# 719

Delta R.T. -0.02 min

Lab File: BF098542.D

Acq: 14 Sep 2017 21:53

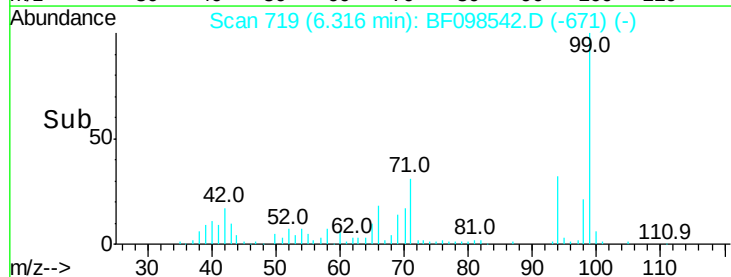
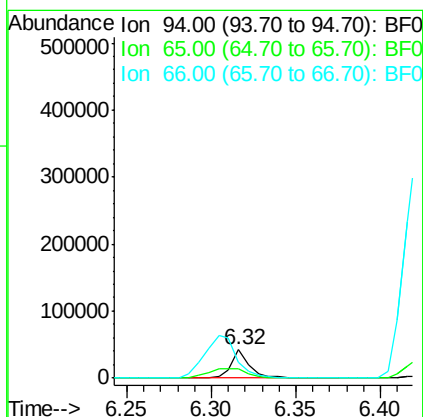
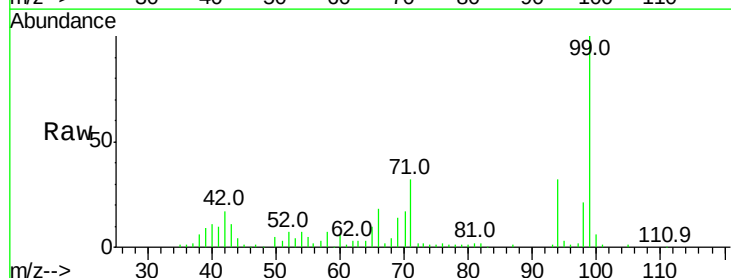
Tgt Ion: 94 Resp: 31850

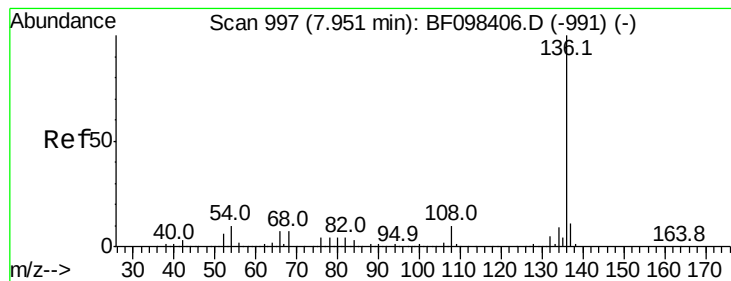
Ion Ratio Lower Upper

94 100

65 32.2 9.9 49.9

66 56.1 23.1 63.1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.93 min Scan# 994

Delta R.T. -0.02 min

Lab File: BF098542.D

Acq: 14 Sep 2017 21:53

Instrument :

BNA_F

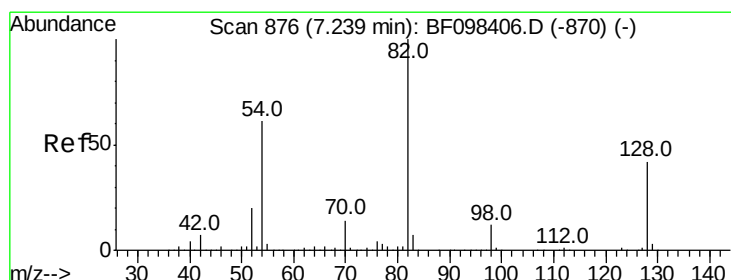
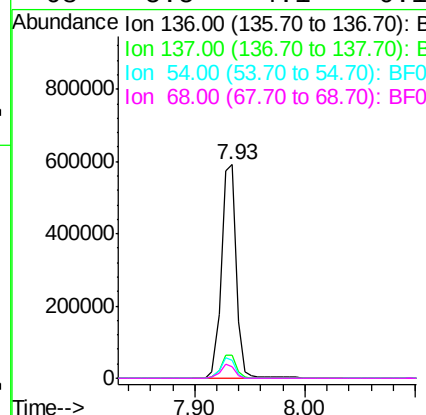
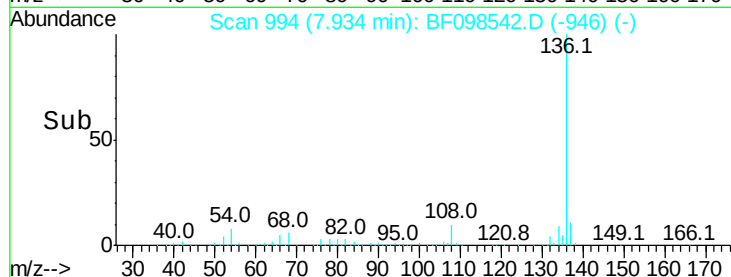
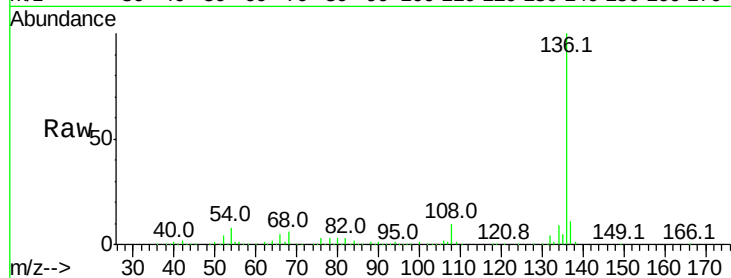
ClientSampled :

G-8-2

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.6	8.5	12.7
54	8.5	4.9	7.3#
68	5.5	4.1	6.1

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#23

Nitrobenzene-d5

Concen: 90.270 ng

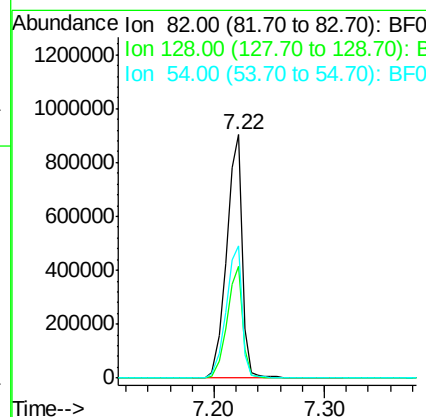
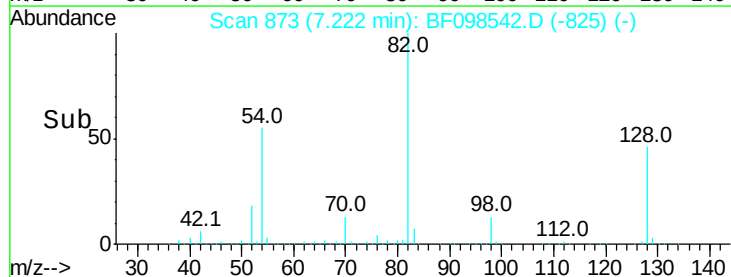
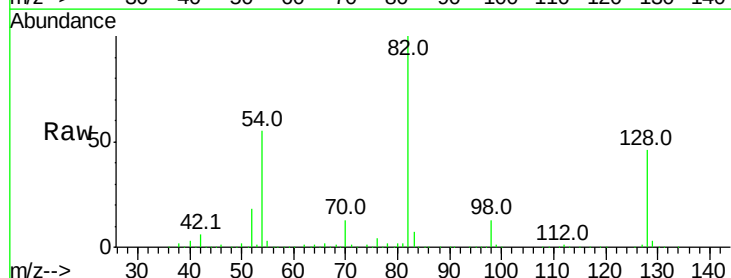
RT: 7.22 min Scan# 873

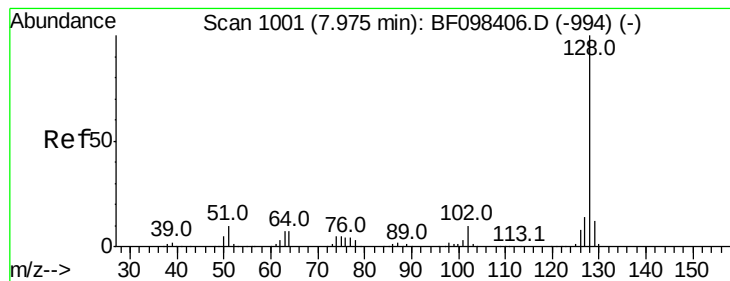
Delta R.T. -0.02 min

Lab File: BF098542.D

Acq: 14 Sep 2017 21:53

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	46.0	34.0	51.0
54	54.5	42.2	63.2





#31

Naphthalene

Concen: 3.897 ng

RT: 7.95 min Scan# 997

Delta R.T. -0.02 min

Lab File: BF098542.D

Acq: 14 Sep 2017 21:53

Instrument :

BNA_F

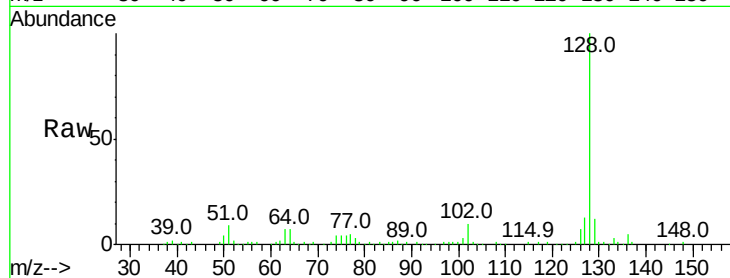
ClientSampleId :

G-8-2

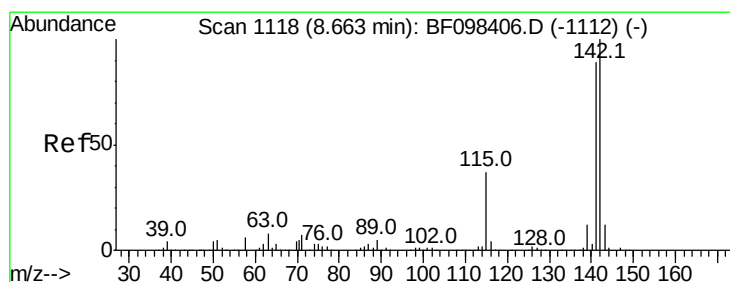
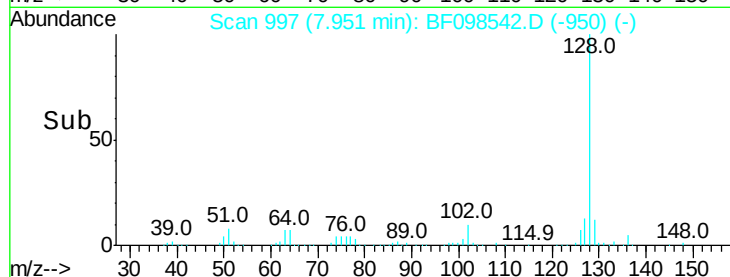
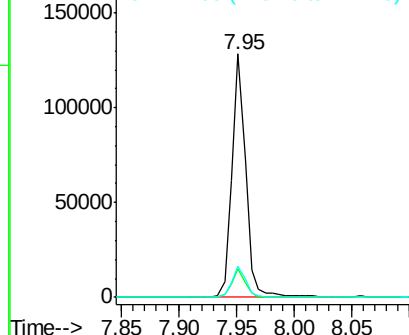
Tot Ion:	128	Resp:	106418
Ion Ratio	Lower	Upper	
128	100		
129	11.6	9.0	13.6
127	13.0	10.8	16.2

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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: 4.661 ng

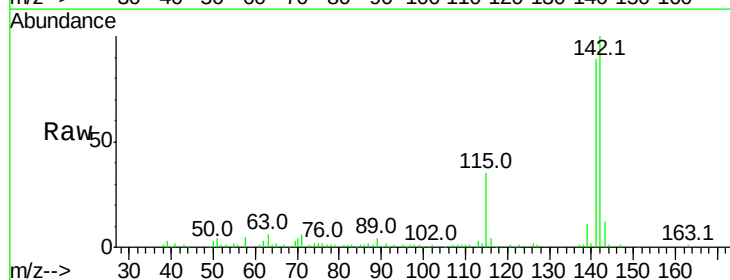
RT: 8.65 min Scan# 1115

Delta R.T. -0.02 min

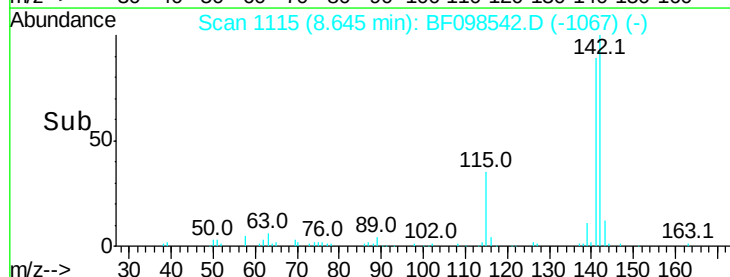
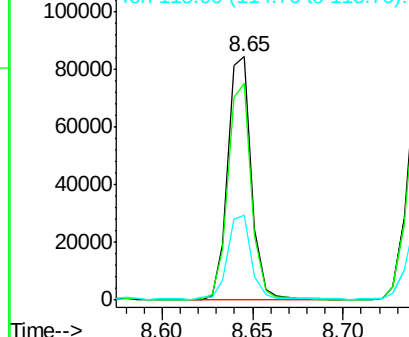
Lab File: BF098542.D

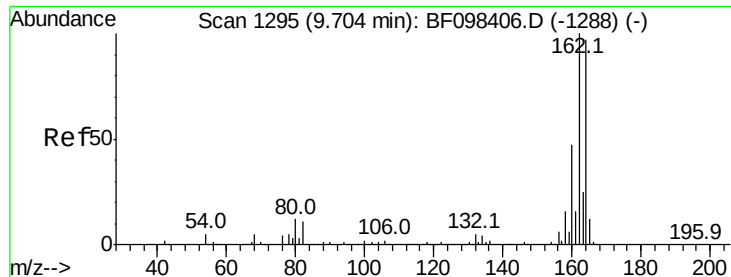
Acq: 14 Sep 2017 21:53

Tgt Ion:	142	Resp:	77085
Ion Ratio	Lower	Upper	
142	100		
141	89.1	71.3	106.9
115	34.9	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





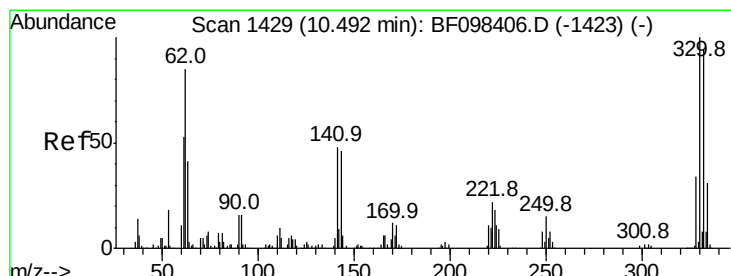
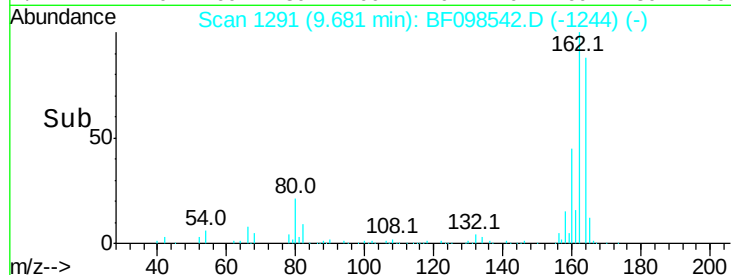
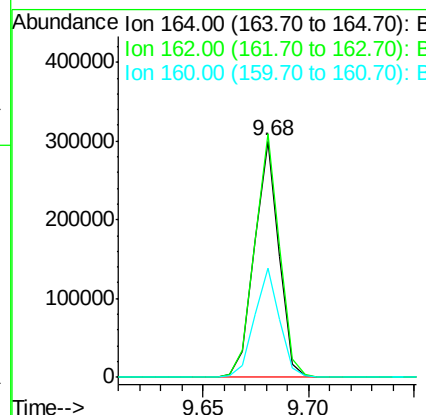
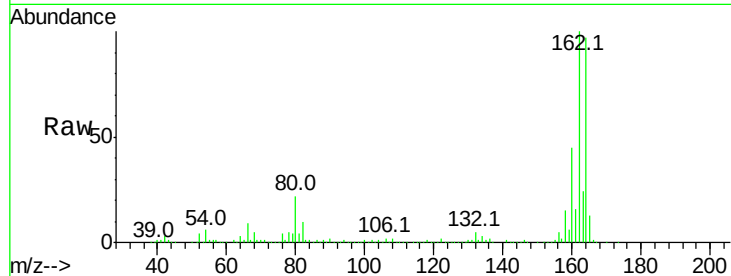
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.68 min Scan# 1291
 Delta R.T. -0.02 min
 Lab File: BF098542.D
 Acq: 14 Sep 2017 21:53

Instrument :
 BNA_F
 ClientSampled :
 G-8-2

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.1	82.6	123.8	
160	46.4	36.2	54.2	

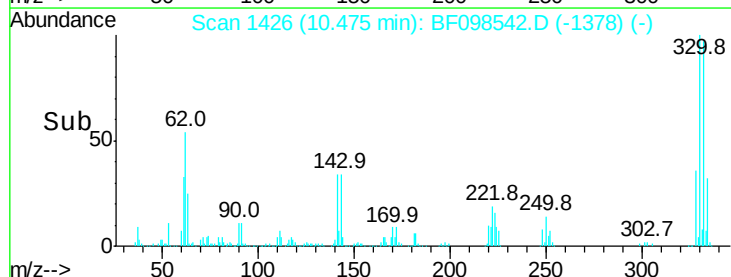
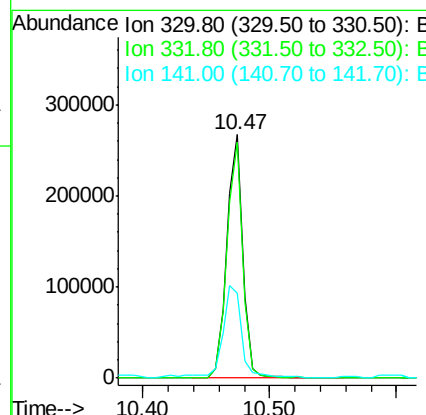
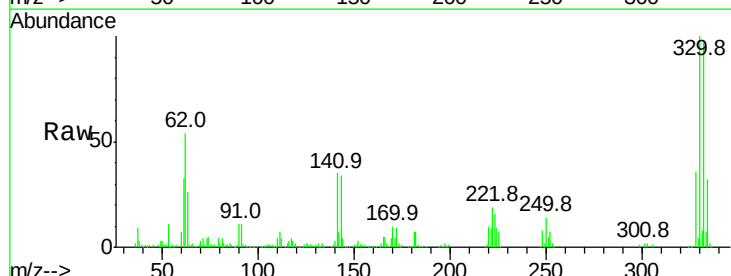
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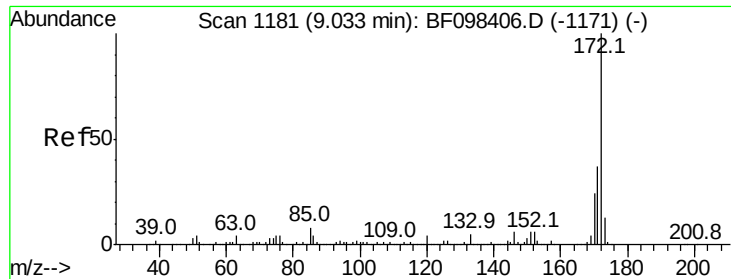
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#41
 2,4,6-Tribromophenol
 Concen: 146.510 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. -0.02 min
 Lab File: BF098542.D
 Acq: 14 Sep 2017 21:53

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.9	76.6	115.0	
141	45.4	31.4	47.2	





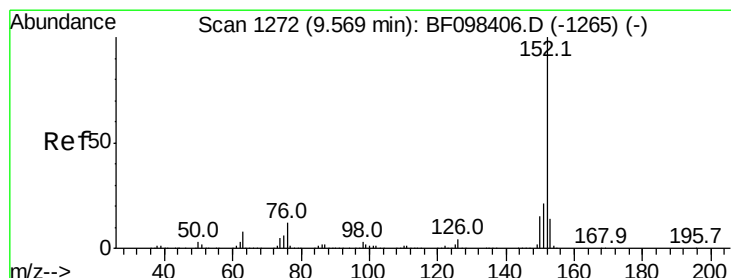
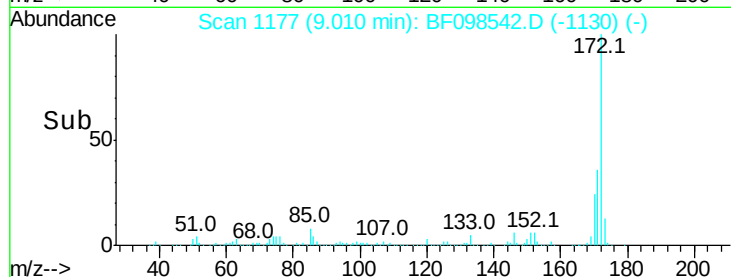
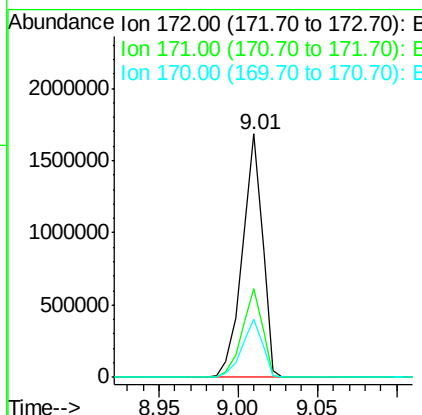
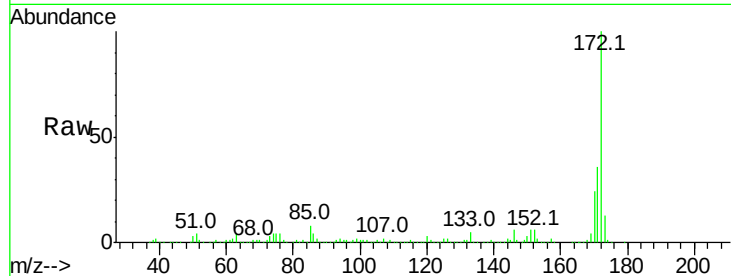
#44
2-Fluorobiphenyl
Concen: 104.113 ng
RT: 9.01 min Scan# 1177
Delta R.T. -0.02 min
Lab File: BF098542.D
Acq: 14 Sep 2017 21:53

Instrument :
BNA_F
ClientSampled :
G-8-2

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.6	44.4
170	23.9	19.8	29.8

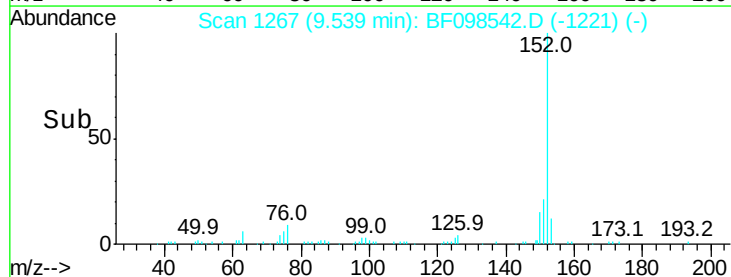
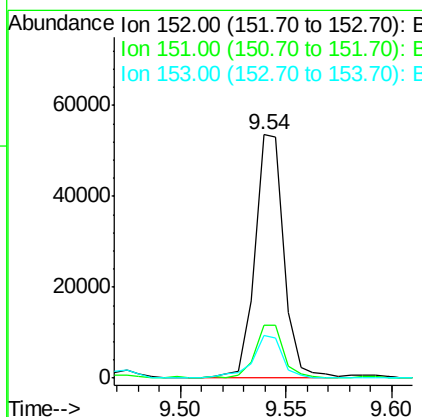
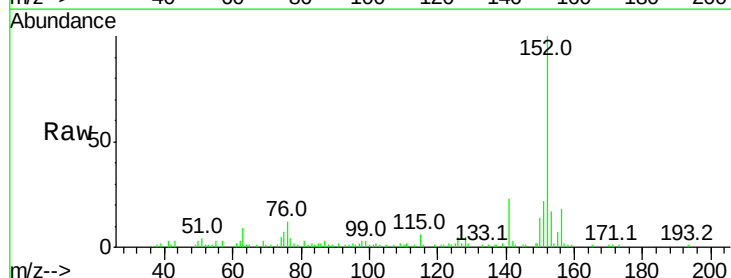
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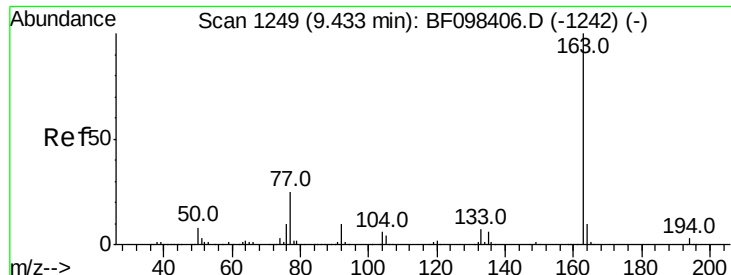
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#48
Acenaphthylene
Concen: 2.242 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.03 min
Lab File: BF098542.D
Acq: 14 Sep 2017 21:53

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.6	16.8	25.2
153	17.4	10.8	16.2#





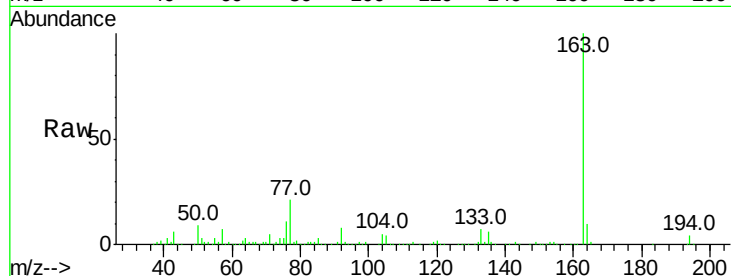
#49
Dimethylphthalate
Concen: 11.455 ng
RT: 9.40 min Scan# 1244
Delta R.T. -0.03 min
Lab File: BF098542.D
Acq: 14 Sep 2017 21:53

Instrument :
BNA_F
ClientSampled :
G-8-2

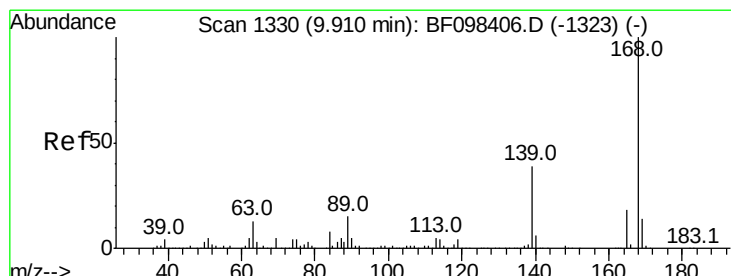
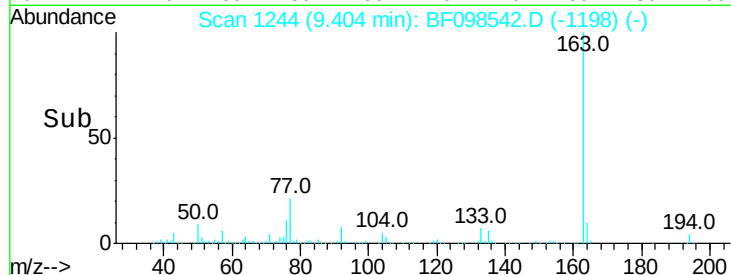
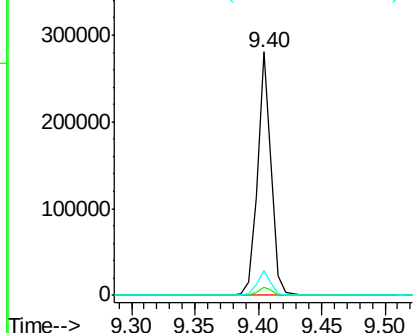
Tot Ion:	163	Resp:	214186
Ion Ratio	Lower	Upper	
163	100		
194	3.5	2.6	4.0
164	10.0	8.4	12.6

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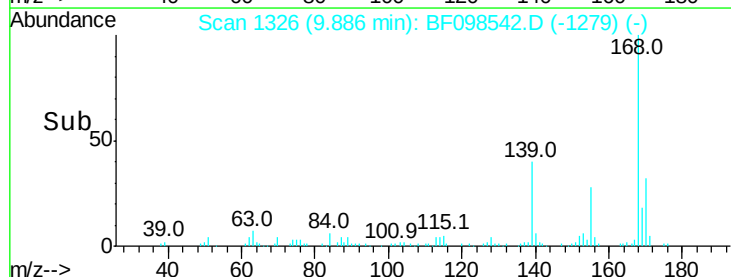
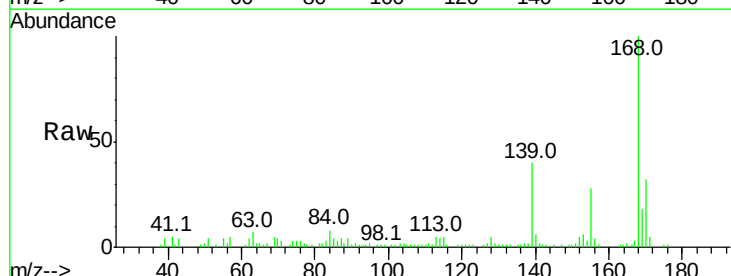
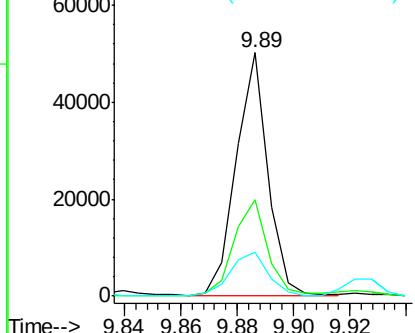
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

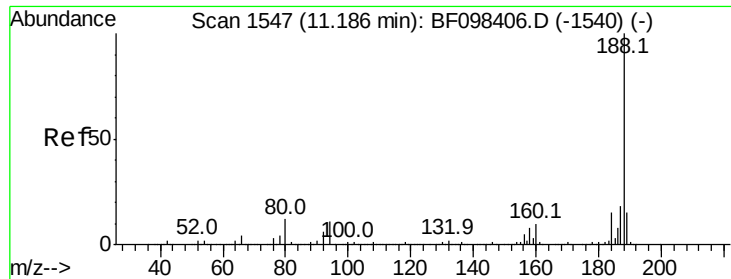


#54
Dibenzofuran
Concen: 2.052 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.02 min
Lab File: BF098542.D
Acq: 14 Sep 2017 21:53

Tgt Ion:	168	Resp:	39444
Ion Ratio	Lower	Upper	
168	100		
139	39.9	30.6	45.8
169	18.2	10.8	16.2#

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





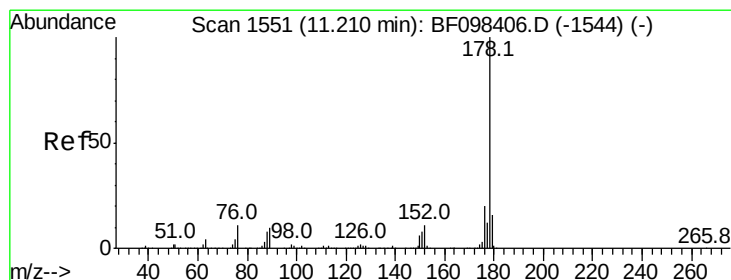
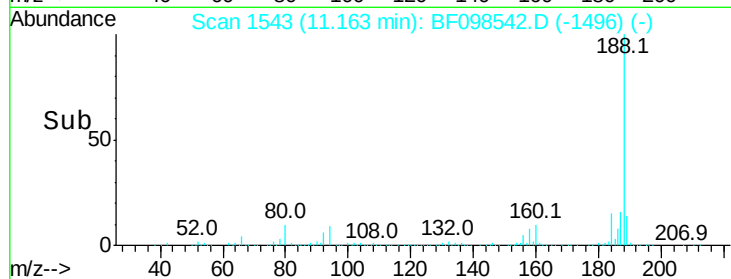
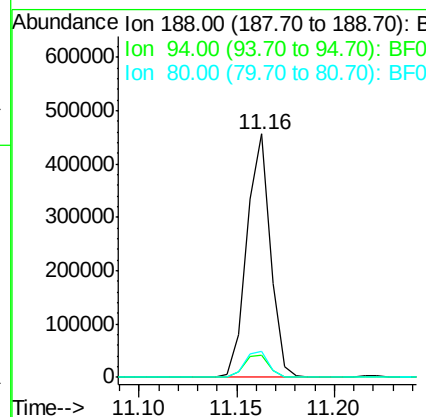
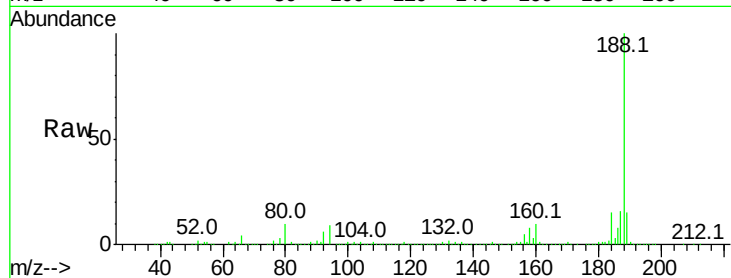
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.16 min Scan# 1543
Delta R.T. -0.02 min
Lab File: BF098542.D
Acq: 14 Sep 2017 21:53

Instrument :
BNA_F
ClientSampled :
G-8-2

Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	9.2	9.4	14.2#	
80	10.4	10.2	15.2	

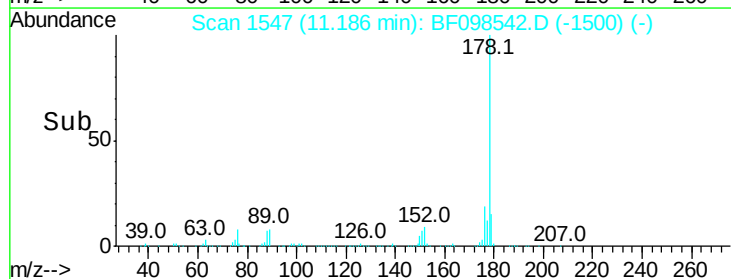
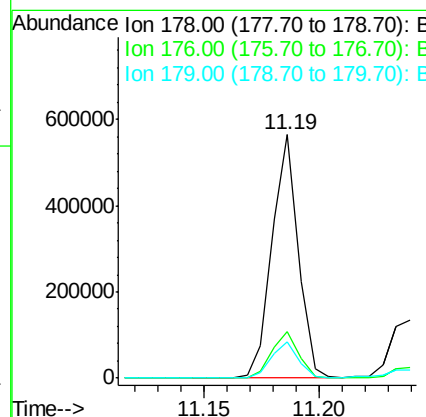
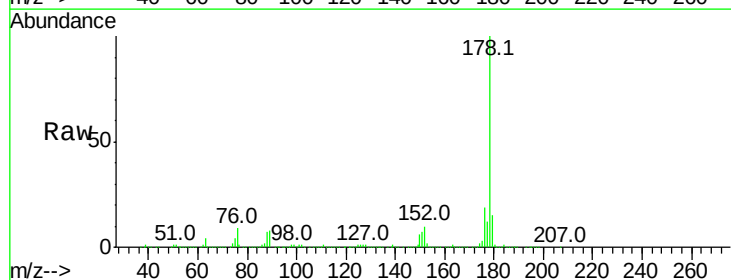
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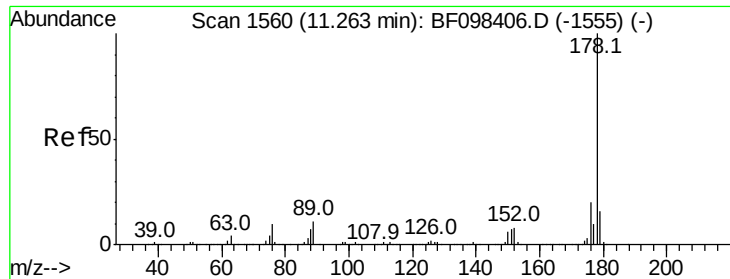
Sohil
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#70
Phenanthrene
Concen: 22.231 ng
RT: 11.19 min Scan# 1547
Delta R.T. -0.02 min
Lab File: BF098542.D
Acq: 14 Sep 2017 21:53

Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
176	19.1	16.2	24.4	
179	15.1	12.6	19.0	





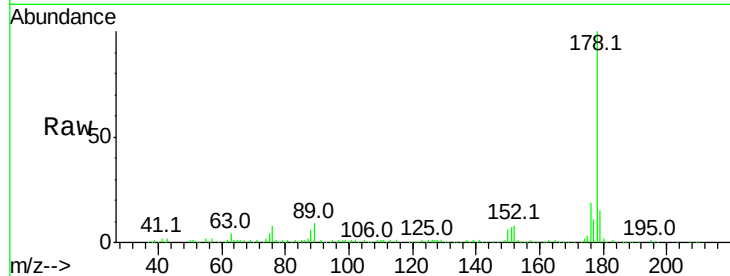
#71
 Anthracene
 Concen: 5.696 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.02 min
 Lab File: BF098542.D
 Acq: 14 Sep 2017 21:53

Instrument :
 BNA_F
 ClientSampled :
 G-8-2

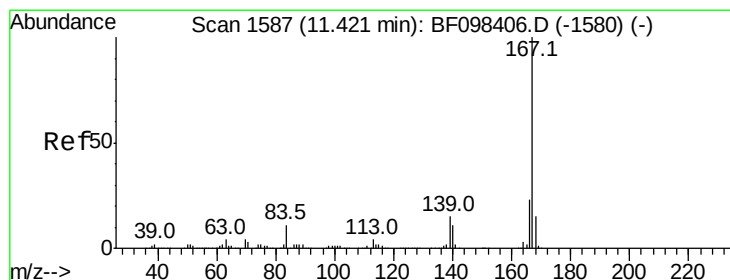
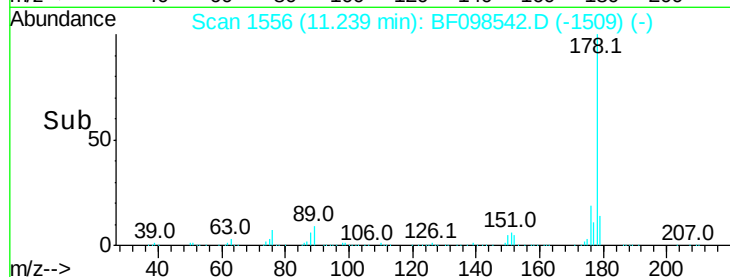
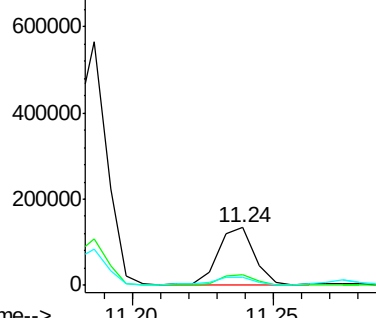
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	14.7	12.7	19.1

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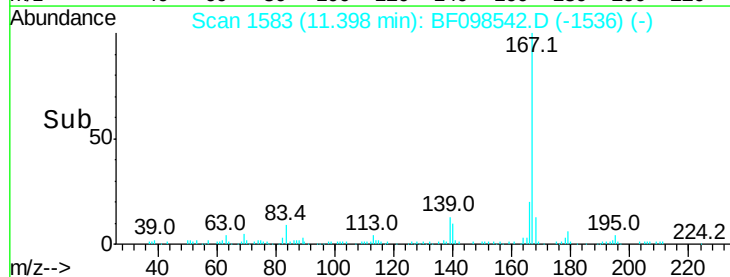
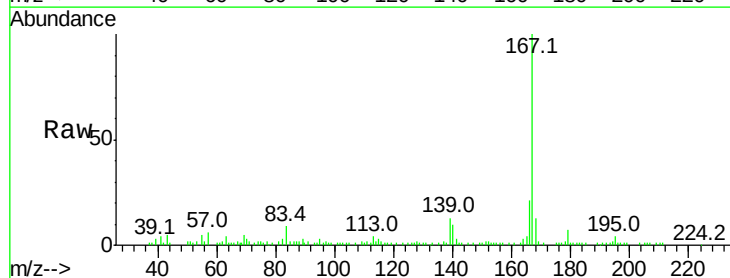
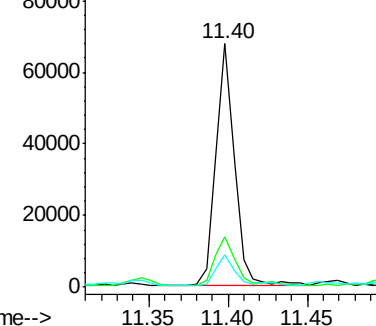
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

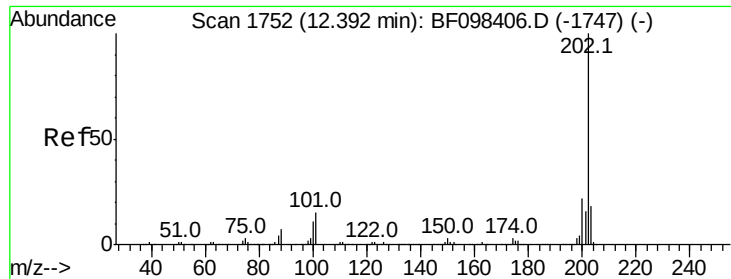


#72
 Carbazole
 Concen: 2.849 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.02 min
 Lab File: BF098542.D
 Acq: 14 Sep 2017 21:53

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.5	18.1	27.1
139	13.1	11.7	17.5

Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





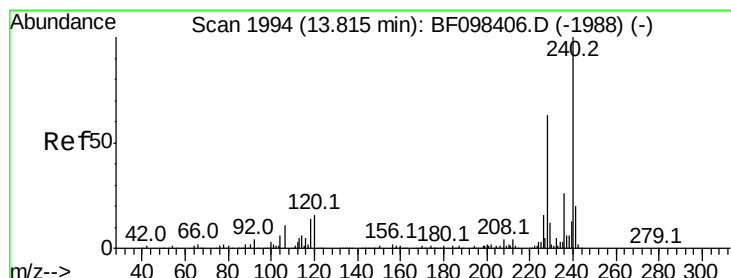
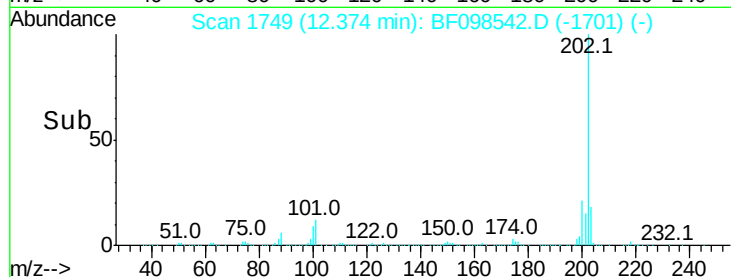
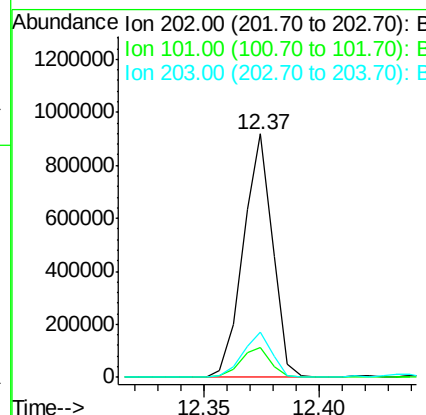
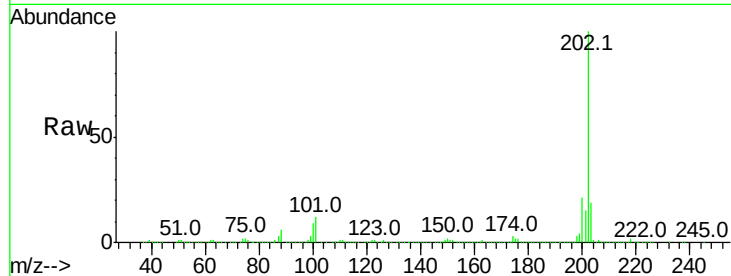
#74
Fluoranthene
Concen: 39.896 ng
RT: 12.37 min Scan# 1749
Delta R.T. -0.02 min
Lab File: BF098542.D
Acq: 14 Sep 2017 21:53

Instrument :
BNA_F
ClientSampleId :
G-8-2

Tot Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	12.4	0.0	33.2
203	18.5	0.0	38.1

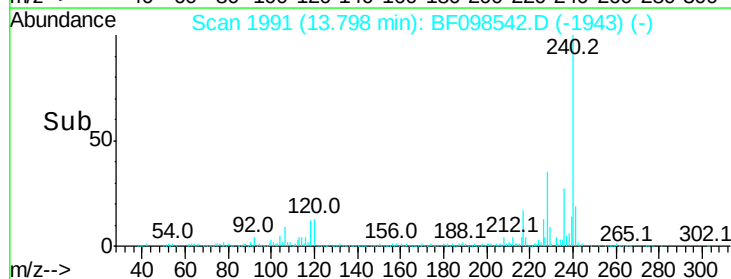
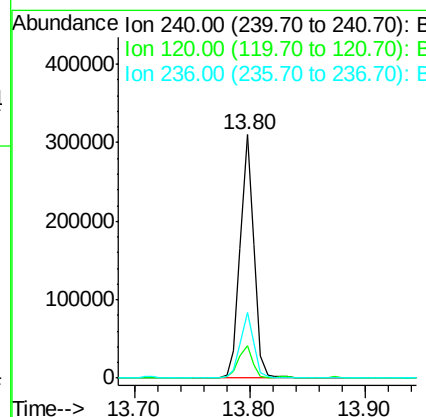
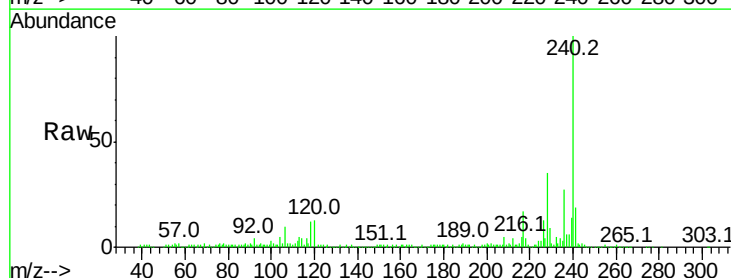
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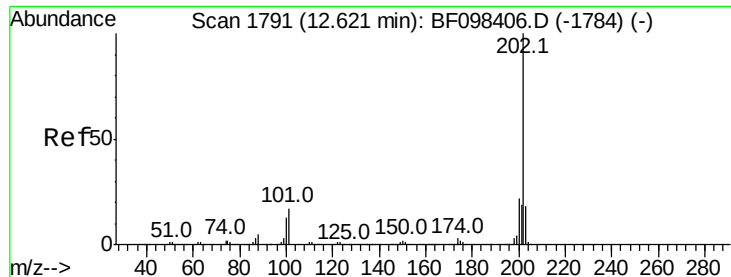
Sohil
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#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.80 min Scan# 1991
Delta R.T. -0.02 min
Lab File: BF098542.D
Acq: 14 Sep 2017 21:53

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	13.3	5.8	8.8#
236	26.9	20.5	30.7





#77

Pvrene

Concen: 34.690 ng

RT: 12.60 min Scan# 1788

Delta R.T. -0.02 min

Lab File: BF098542.D

Acq: 14 Sep 2017 21:53

Instrument :

BNA_F

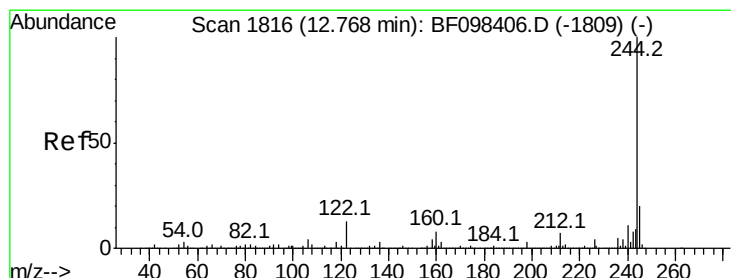
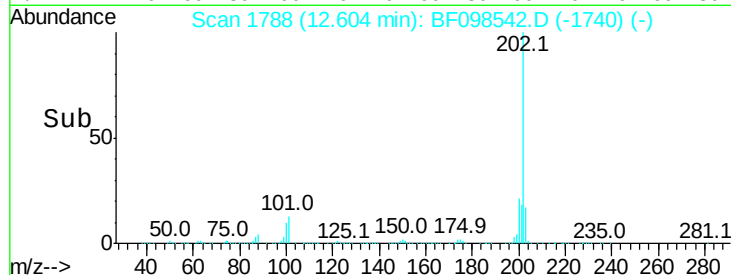
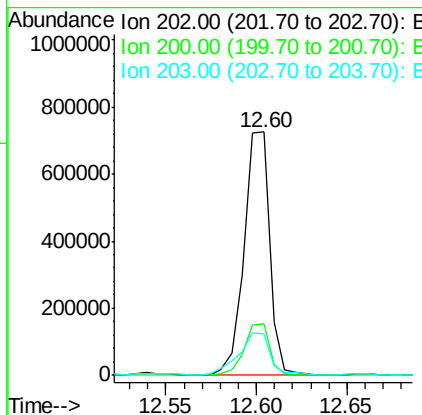
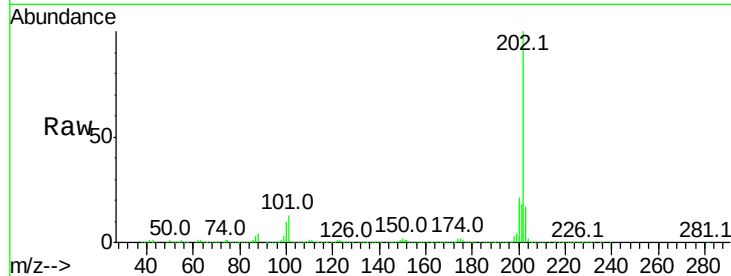
ClientSampled :

G-8-2

Tot Ion:	202	Resp:	707600
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.6	26.4
203	17.0	14.4	21.6

Manual Integrations
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#78

Terphenyl-d14

Concen: 76.254 ng

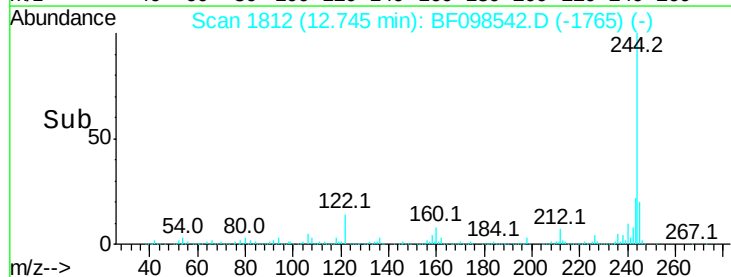
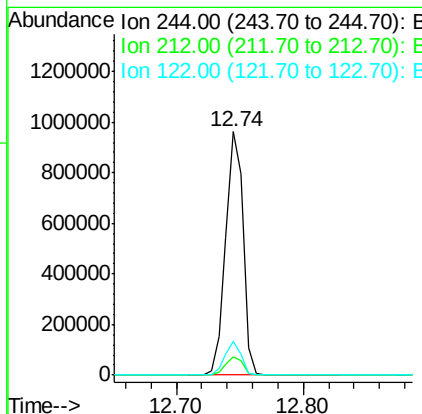
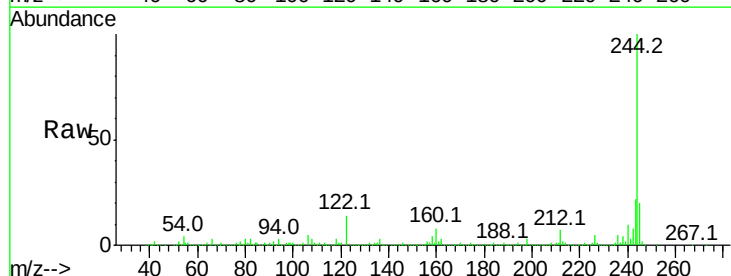
RT: 12.74 min Scan# 1812

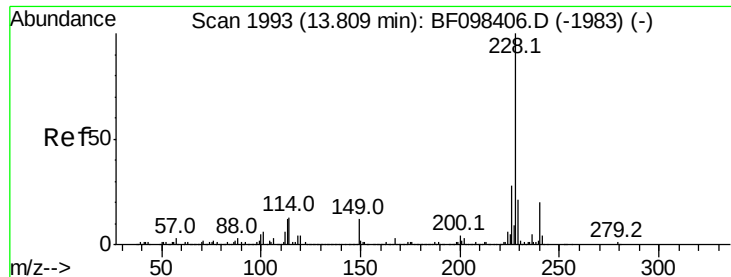
Delta R.T. -0.02 min

Lab File: BF098542.D

Acq: 14 Sep 2017 21:53

Tgt Ion:	244	Resp:	913475
Ion Ratio	Lower	Upper	
244	100		
212	7.5	6.0	9.0
122	13.8	10.3	15.5





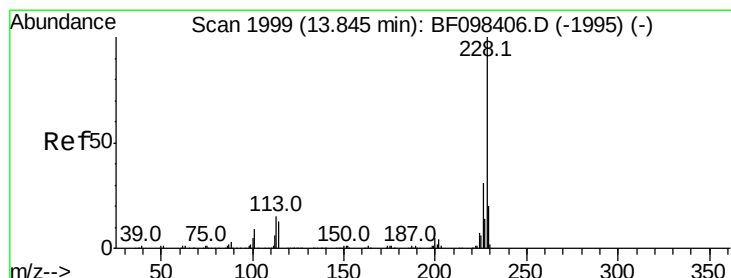
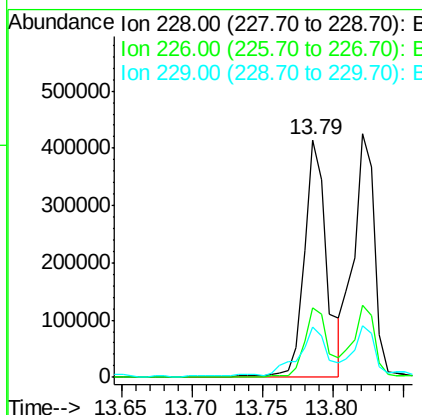
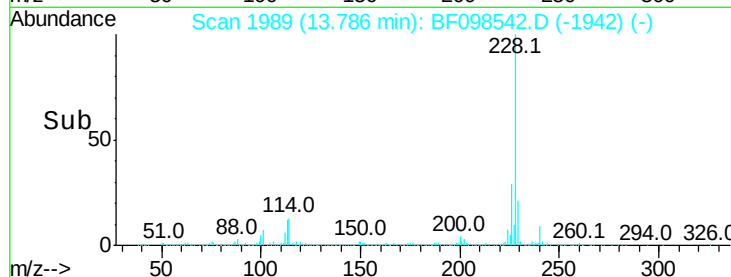
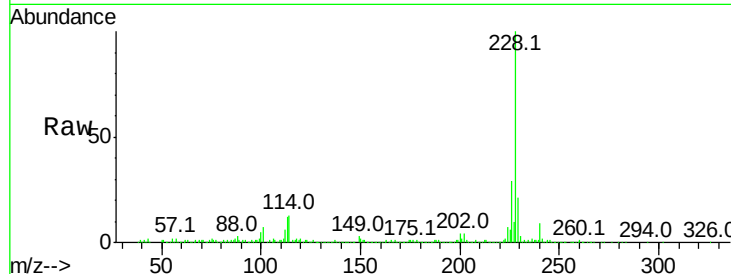
#80
Benzo(a)anthracene
Concen: 29.646 ng
RT: 13.79 min Scan# 1989
Delta R.T. -0.02 min
Lab File: BF098542.D
Acq: 14 Sep 2017 21:53

Instrument :
BNA_F
ClientSampled :
G-8-2

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100		449411		
226	29.5	22.6	33.8		
229	21.2	16.3	24.5		

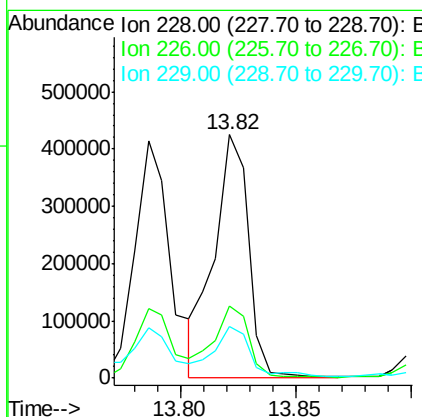
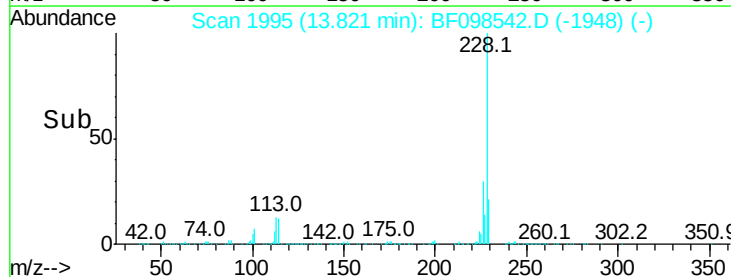
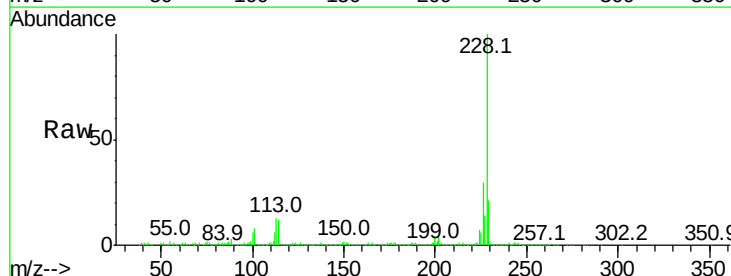
Manual Integrations
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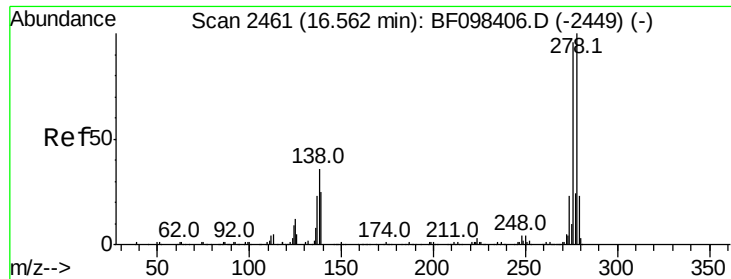
Sohil
9/15/2017 5:43:58 PM



#82
Chrysene
Concen: 28.547 ng
RT: 13.82 min Scan# 1995
Delta R.T. -0.02 min
Lab File: BF098542.D
Acq: 14 Sep 2017 21:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
228	100		437450		
226	29.8	24.9	37.3		
229	21.3	15.8	23.6		





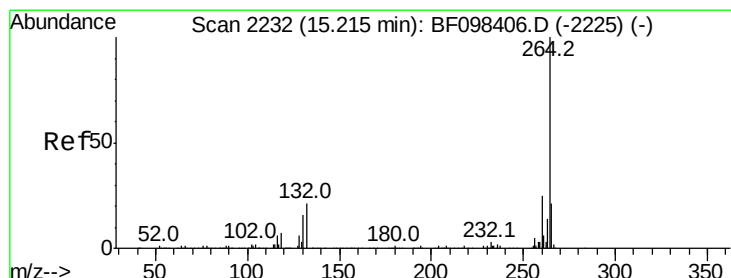
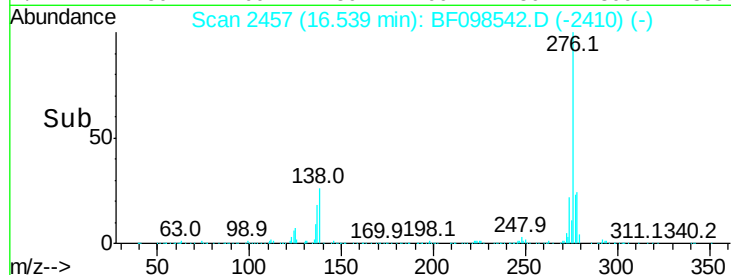
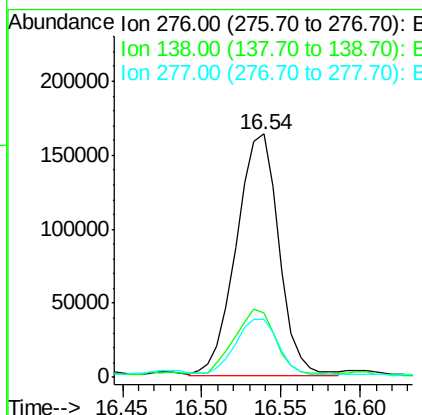
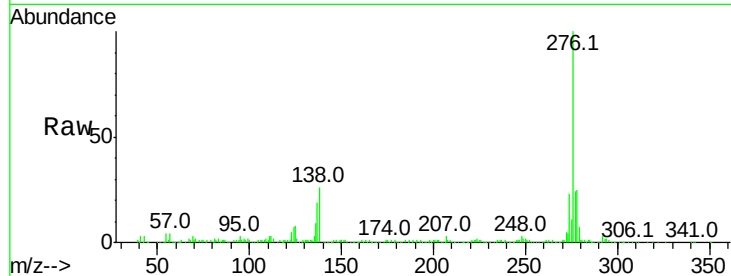
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 28.432 ng
 RT: 16.54 min Scan# 2457
 Delta R.T. -0.02 min
 Lab File: BF098542.D
 Acq: 14 Sep 2017 21:53

Instrument :
 BNA_F
 ClientSampleId :
 G-8-2

Tot Ion	Ratio	Resp	Lower	Upper
276	100	305673		
138	27.0		27.8	41.6#
277	23.1		20.2	30.4

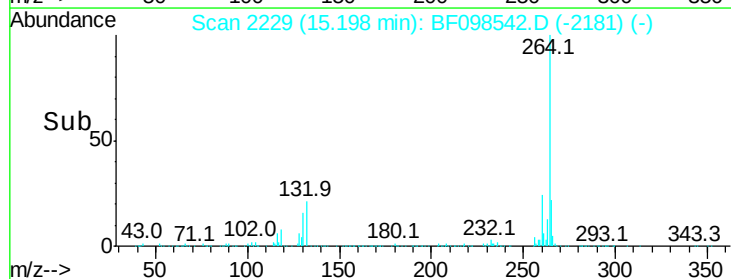
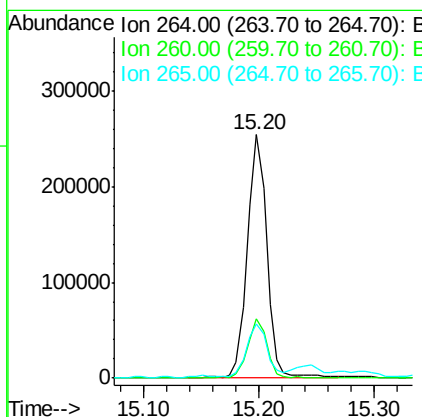
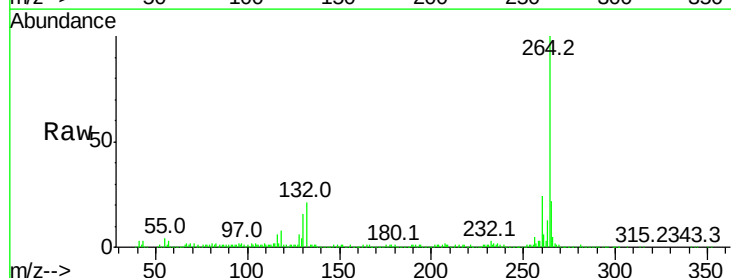
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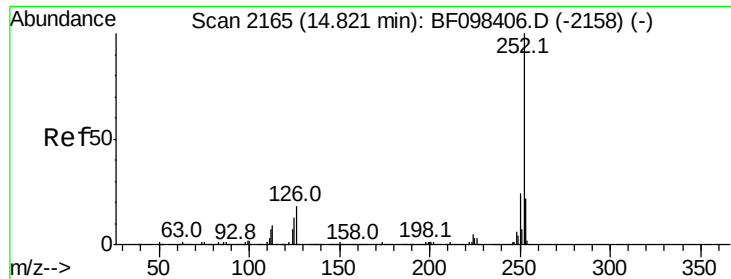
Sohil
 9/15/2017 5:43:58 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.20 min Scan# 2229
 Delta R.T. -0.02 min
 Lab File: BF098542.D
 Acq: 14 Sep 2017 21:53

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	298660		
260	24.1		19.5	29.3
265	22.4		17.2	25.8





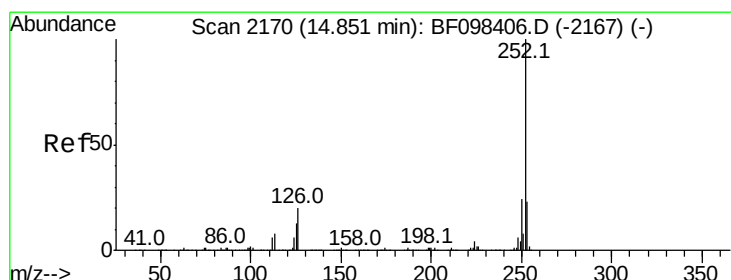
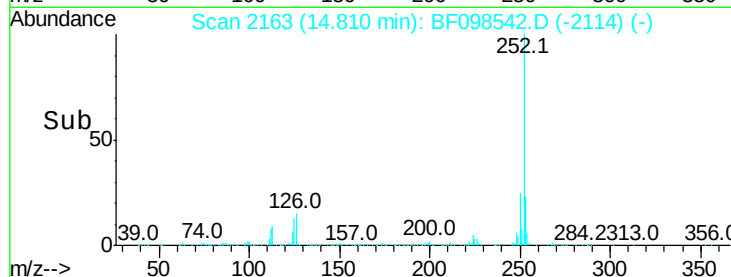
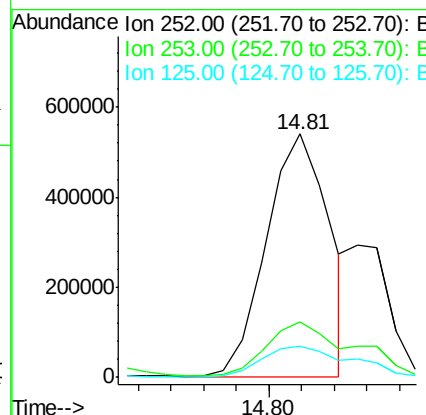
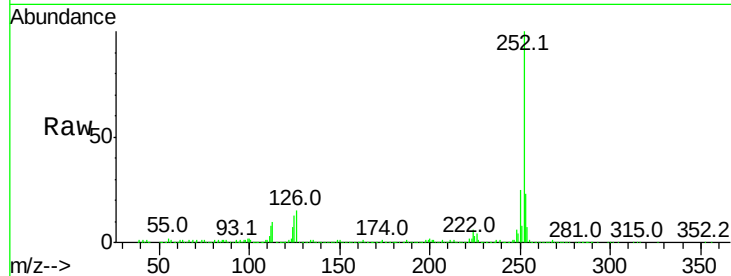
#87
Benzo(b)fluoranthene
Concen: 38.460 ng m
RT: 14.81 min Scan# 2163
Delta R.T. -0.01 min
Lab File: BF098542.D
Acq: 14 Sep 2017 21:53

Instrument :
BNA_F
ClientSampleId :
G-8-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.1	27.1
125	12.8	9.8	14.8

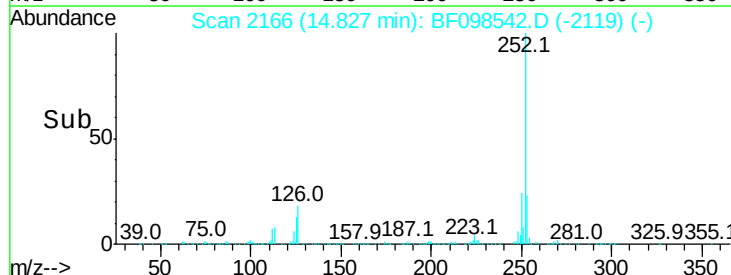
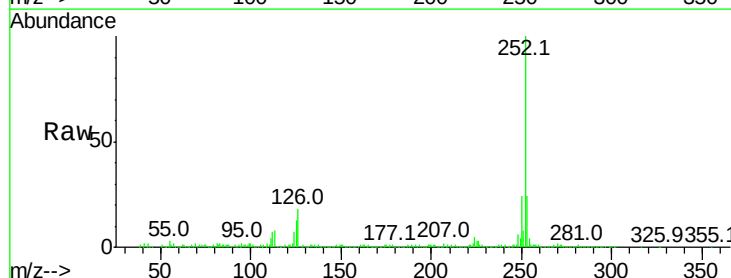
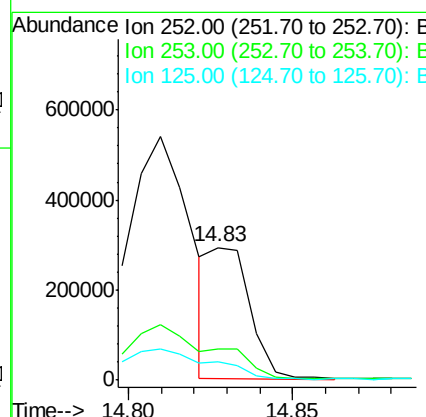
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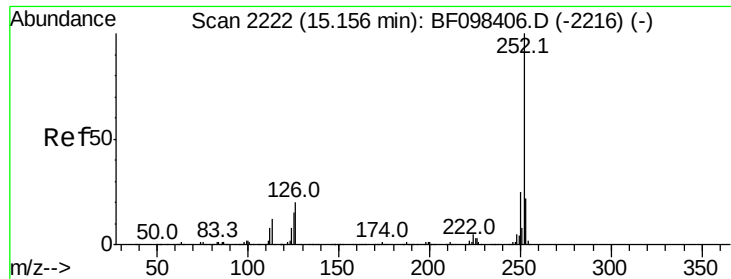
Sohil
9/15/2017 5:43:58 PM



#88
Benzo(k)fluoranthene
Concen: 14.080 ng m
RT: 14.83 min Scan# 2166
Delta R.T. -0.02 min
Lab File: BF098542.D
Acq: 14 Sep 2017 21:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.4	27.6
125	13.5	13.1	19.7





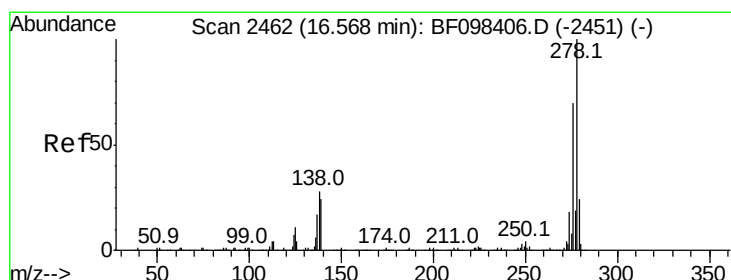
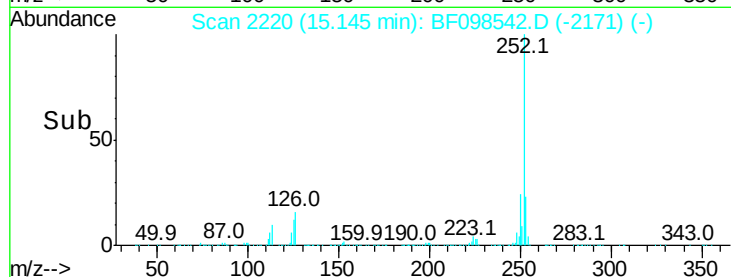
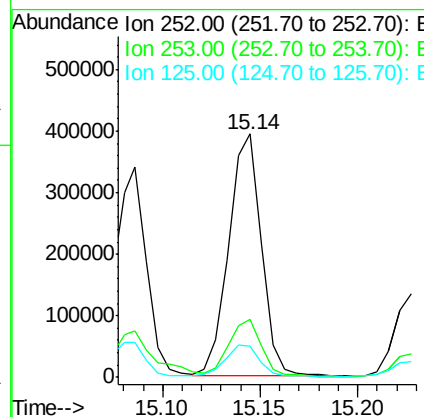
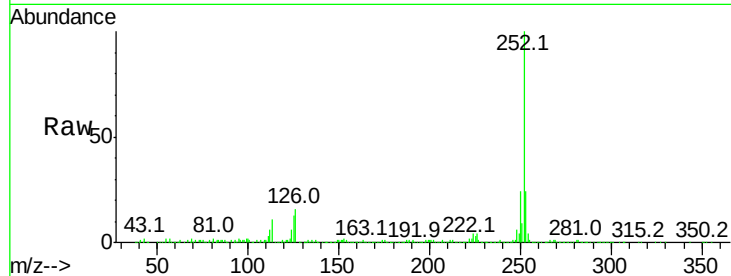
#89
Benzo(a)pyrene
Concen: 27.313 ng
RT: 15.14 min Scan# 2220
Delta R.T. -0.01 min
Lab File: BF098542.D
Acq: 14 Sep 2017 21:53

Instrument :
BNA_F
ClientSampled :
G-8-2

Tot Ion	Ratio	Resp	Lower	Upper
252	100	456944		
253	23.7		17.5	26.3
125	12.9		11.0	16.4

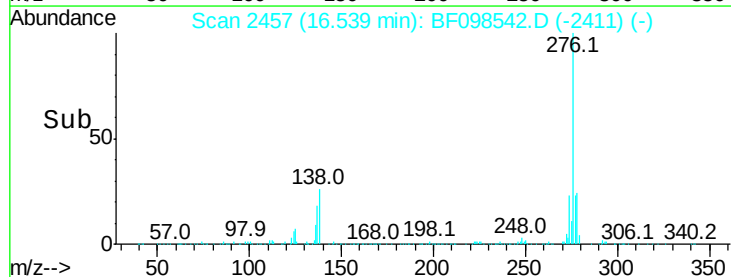
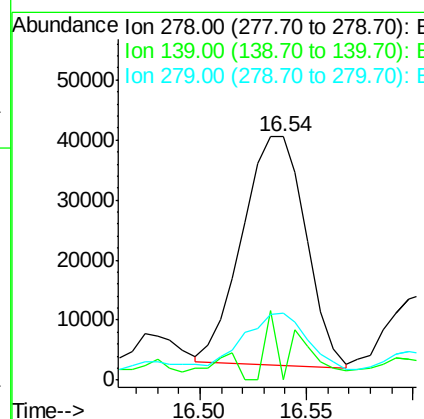
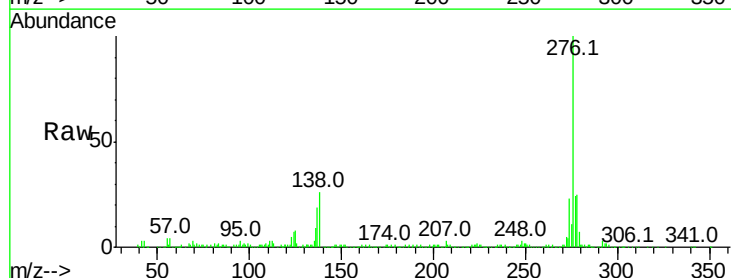
Manual Integrations
APPROVED

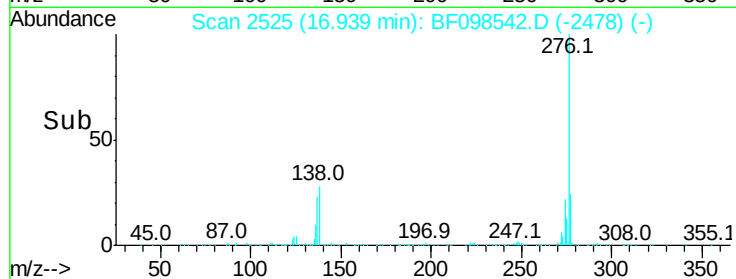
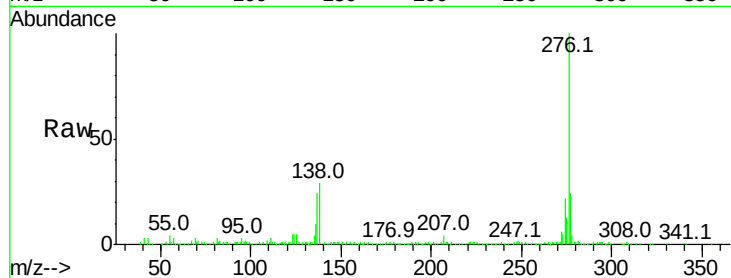
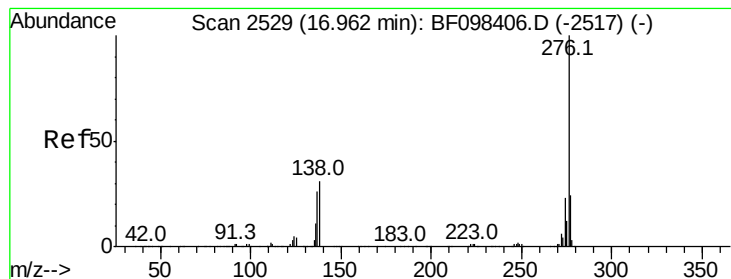
Sohil
9/15/2017 5:43:58 PM



#90
Dibenzo(a,h)anthracene
Concen: 6.483 ng m
RT: 16.54 min Scan# 2457
Delta R.T. -0.03 min
Lab File: BF098542.D
Acq: 14 Sep 2017 21:53

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	78904		
139	0.0		16.6	24.8#
279	27.6		19.3	28.9





#91

Benzo(a,h,i)perylene

Concen: 22.833 ng

RT: 16.94 min Scan# 2525

Delta R.T. -0.02 min

Lab File: BF098542.D

Acq: 14 Sep 2017 21:53

Tot Ion	Ratio	Resp	Lower	Upper
276	100	279495		
277	24.4		18.6	28.0
138	29.2		25.4	38.0

Instrument :

BNA_F

ClientSampleId :

G-8-2

Manual Integrations
APPROVED

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9/15/2017 5:43:58 PM

