

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091417\
 Data File : BF098540.D
 Acq On : 14 Sep 2017 20:56
 Operator : SJ/JU
 Sample : I5160-08
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G-8A-1

Manual Integrations
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Sohil
 9/15/2017 5:43:55 PM

Quant Time: Sep 15 05:53:41 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	121756	20.00	ng	-0.02
21) Naphthalene-d8	7.93	136	502596	20.00	ng	-0.02
38) Acenaphthene-d10	9.68	164	234193	20.00	ng	-0.02
63) Phenanthrene-d10	11.16	188	409782	20.00	ng	-0.02
75) Chrysene-d12	13.80	240	271773	20.00	ng	-0.02
86) Perylene-d12	15.19	264	300829	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.26	112	1112887	135.14	ng	-0.02
7) Phenol-d6	6.30	99	1330076	127.21	ng	-0.02
23) Nitrobenzene-d5	7.22	82	822869	91.28	ng	-0.02
41) 2,4,6-Tribromophenol	10.47	330	239874	153.47	ng	-0.02
44) 2-Fluorobiphenyl	9.01	172	1331989	96.40	ng	-0.02
78) Terphenyl-d14	12.74	244	956811	75.99	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.32	94	37044	3.050	ng	97
49) Dimethylphthalate	9.40	163	178709	9.858	ng	99
51) Acenaphthene	9.71	154	56110	3.966	ng	94
54) Dibenzofuran	9.89	168	89322	4.792	ng	98
57) Fluorene	10.23	166	44662	2.895	ng	98
70) Phenanthrene	11.19	178	161883	7.452	ng	97
71) Anthracene	11.24	178	217690	9.760	ng	96
74) Fluoranthene	12.37	202	537647	24.723	ng	97
77) Pyrene	12.60	202	444695	20.742	ng	98
80) Benzo(a)anthracene	13.79	228	183998	11.548	ng	99
82) Chrysene	13.82	228	165243	10.260	ng	95
85) Indeno(1,2,3-cd)pyrene	16.53	276	85951	7.606	ng	# 92
87) Benzo(b)fluoranthene	14.80	252	213327m	11.278	ng	
88) Benzo(k)fluoranthene	14.83	252	73366m	4.155	ng	
89) Benzo(a)pyrene	15.13	252	159196	9.447	ng	98
91) Benzo(g,h,i)perylene	16.93	276	74468	6.040	ng	95

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

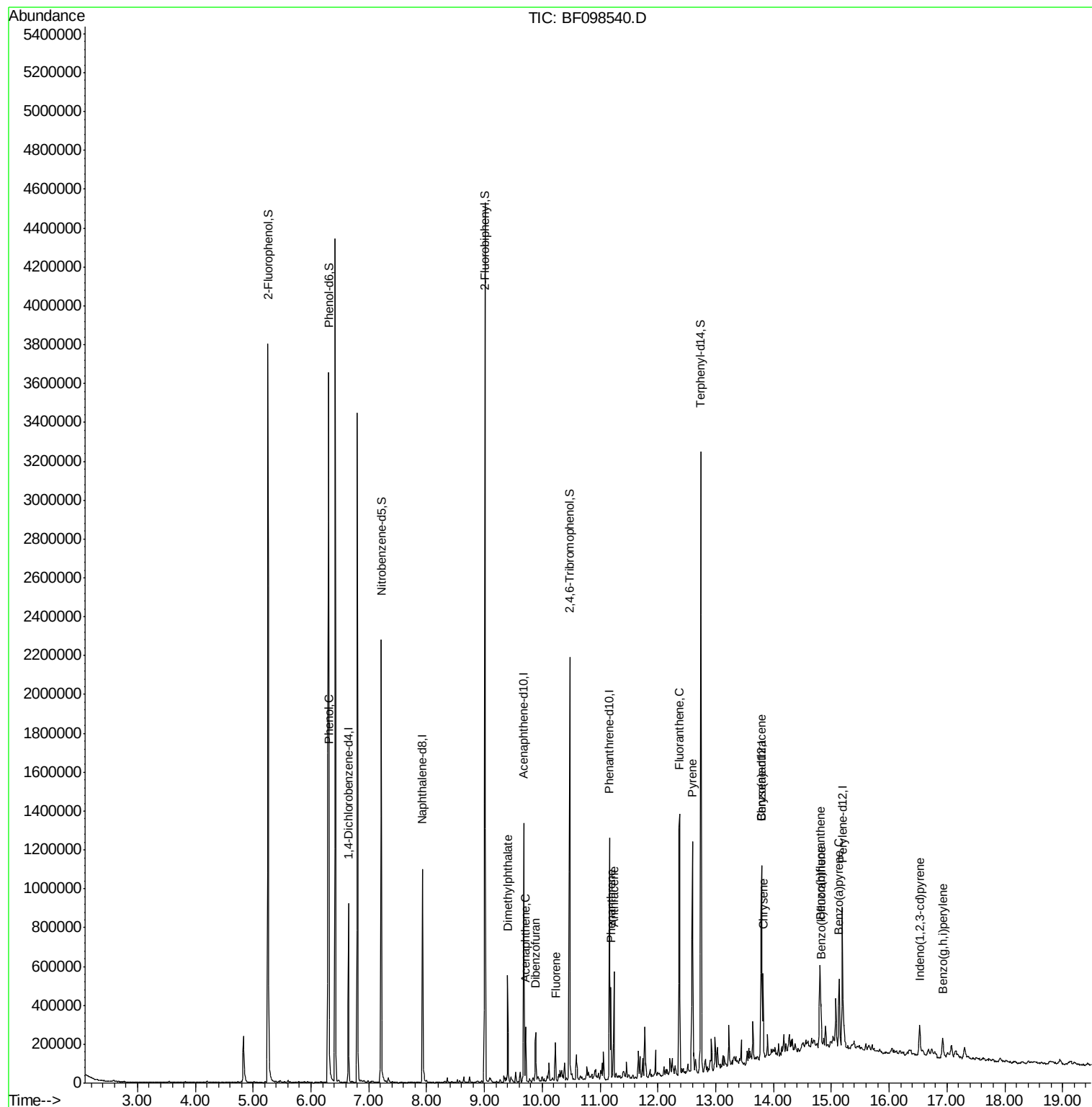
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF091417\
Data File : BF098540.D
Acq On : 14 Sep 2017 20:56
Operator : SJ/JU
Sample : I5160-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

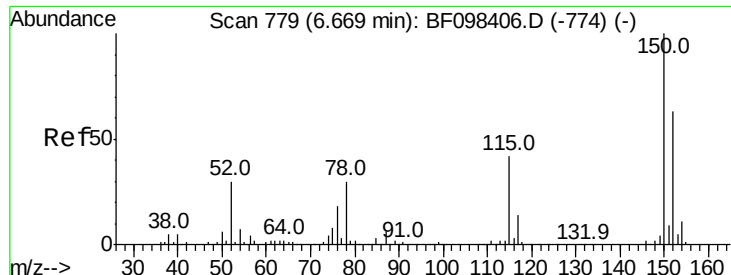
Instrument :
BNA_F
ClientSampleId :
G-8A-1

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Quant Time: Sep 15 05:53:41 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

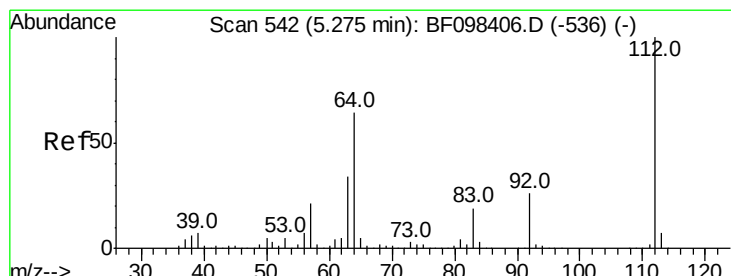
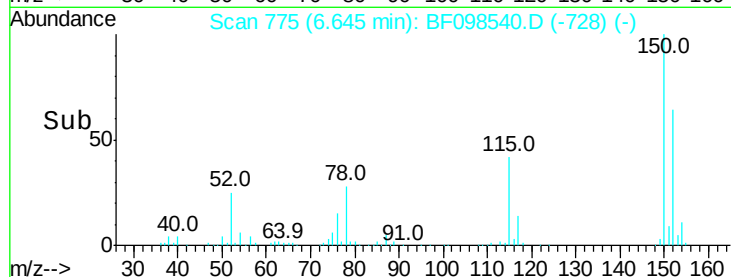
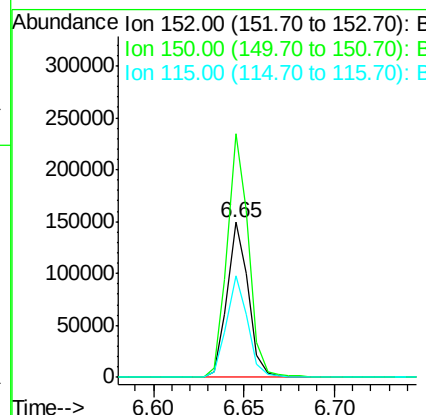
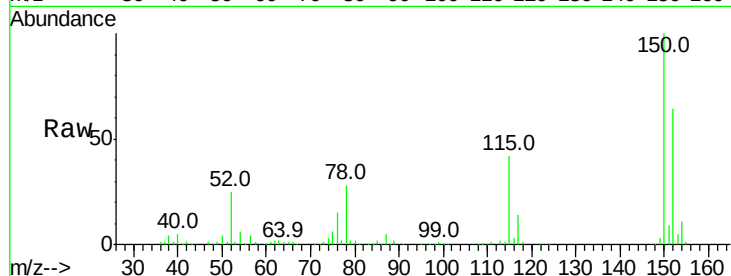
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.65 min Scan# 775
Delta R.T. -0.02 min
Lab File: BF098540.D
Acq: 14 Sep 2017 20:56

Instrument :
BNA_F
ClientSampled :
G-8A-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	126.2	189.2
115	66.0	52.2	78.2

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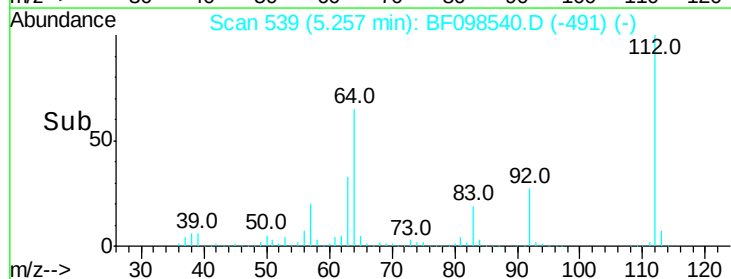
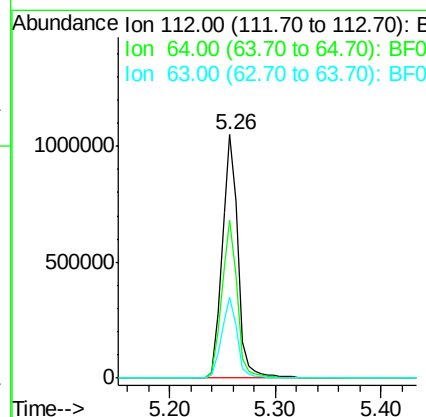
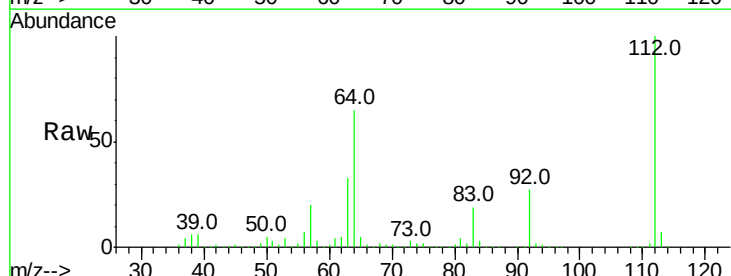
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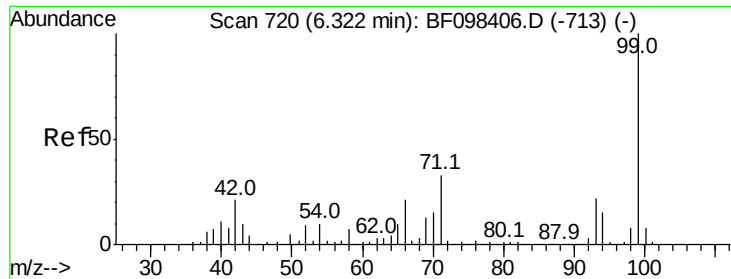


#5

2-Fluorophenol
Concen: 135.142 ng
RT: 5.26 min Scan# 539
Delta R.T. -0.02 min
Lab File: BF098540.D
Acq: 14 Sep 2017 20:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.0	46.0	69.0
63	33.4	23.4	35.0





#7

Phenol-d6

Concen: 127.211 ng

RT: 6.30 min Scan# 717

Delta R.T. -0.02 min

Lab File: BF098540.D

Acq: 14 Sep 2017 20:56

Instrument :

BNA_F

ClientSampled :

G-8A-1

Tot Ion: 99 Resp: 1330076

Ion Ratio Lower Upper

99 100

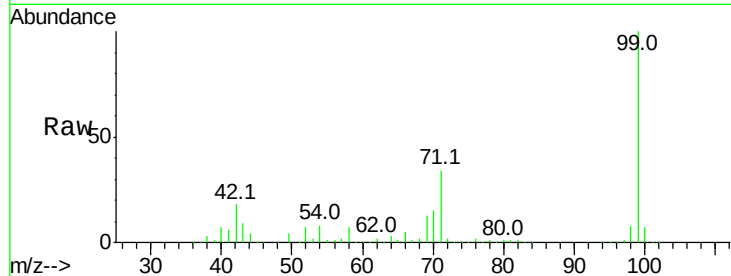
42 18.2 13.5 20.3

71 34.3 24.5 36.7

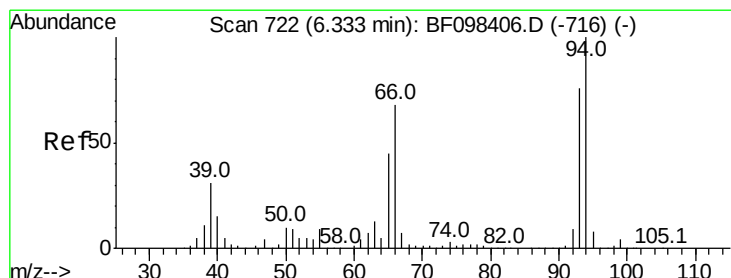
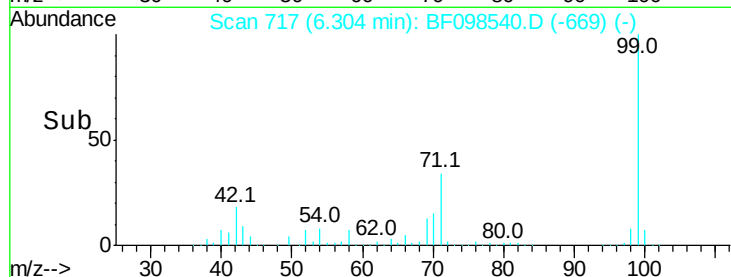
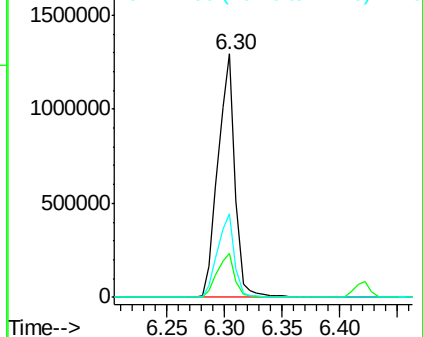
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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 3.050 ng

RT: 6.32 min Scan# 719

Delta R.T. -0.02 min

Lab File: BF098540.D

Acq: 14 Sep 2017 20:56

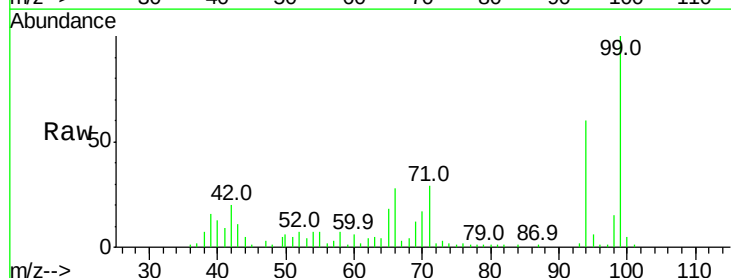
Tgt Ion: 94 Resp: 37044

Ion Ratio Lower Upper

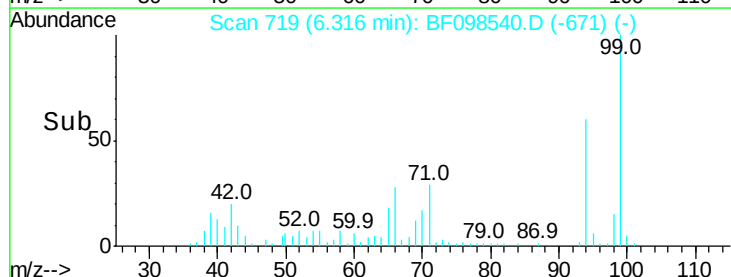
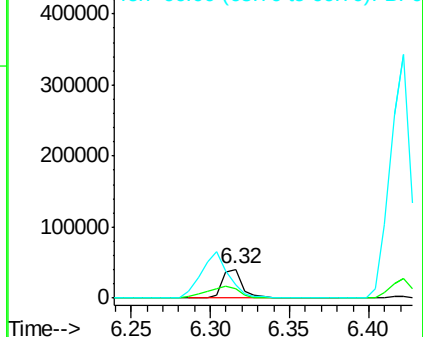
94 100

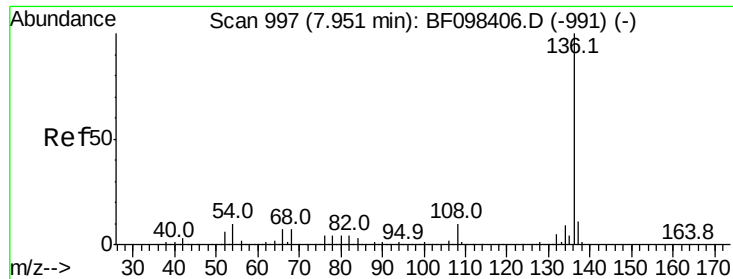
65 30.2 9.9 49.9

66 46.4 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





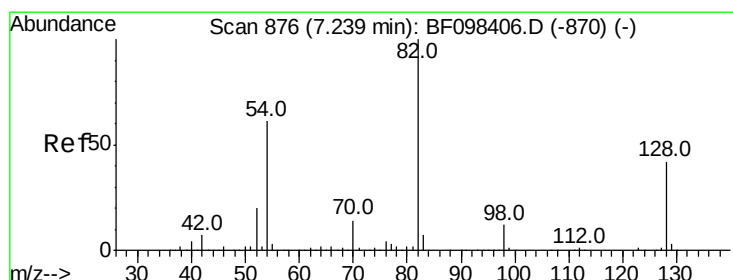
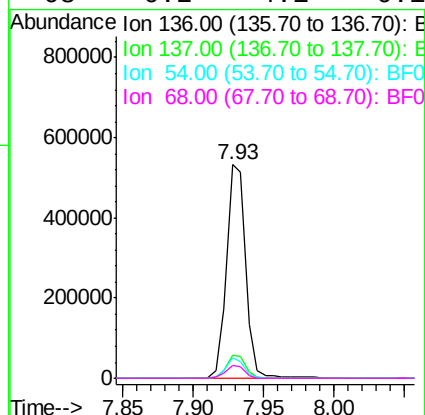
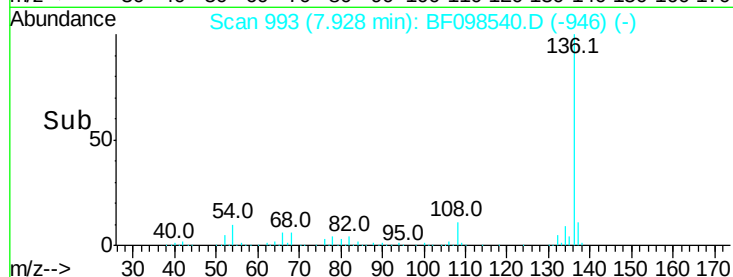
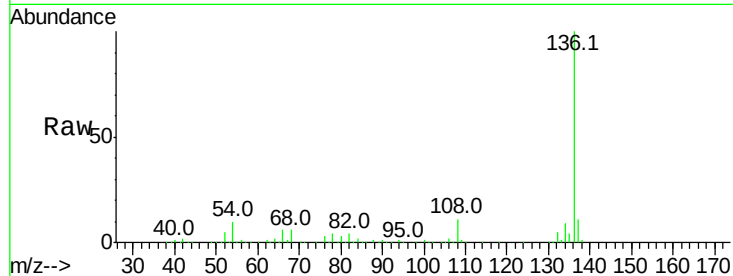
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.93 min Scan# 993
Delta R.T. -0.02 min
Lab File: BF098540.D
Acq: 14 Sep 2017 20:56

Instrument :
BNA_F
ClientSampleId :
G-8A-1

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.8	8.5	12.7
54	9.7	4.9	7.3#
68	6.2	4.1	6.1#

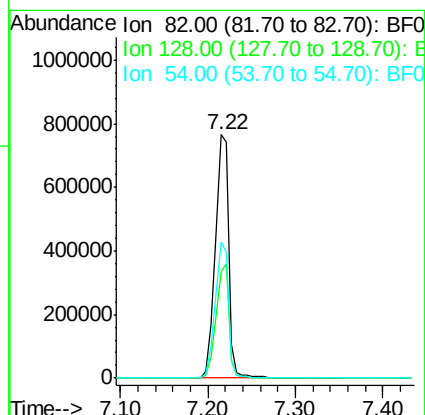
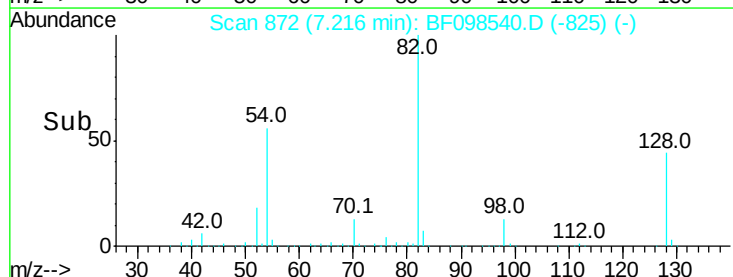
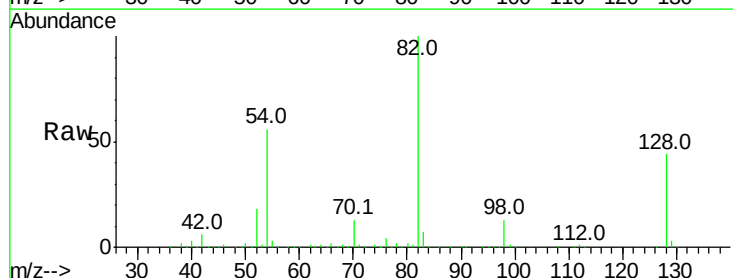
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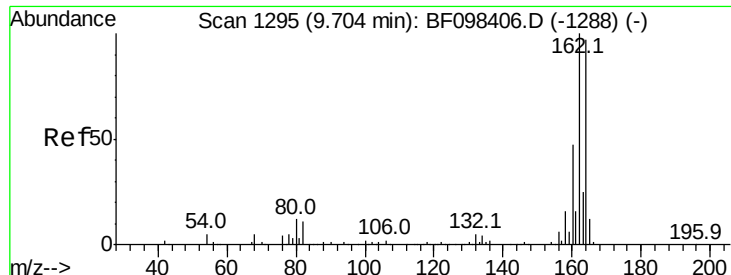
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#23
Nitrobenzene-d5
Concen: 91.275 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.02 min
Lab File: BF098540.D
Acq: 14 Sep 2017 20:56

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	44.0	34.0	51.0
54	56.1	42.2	63.2





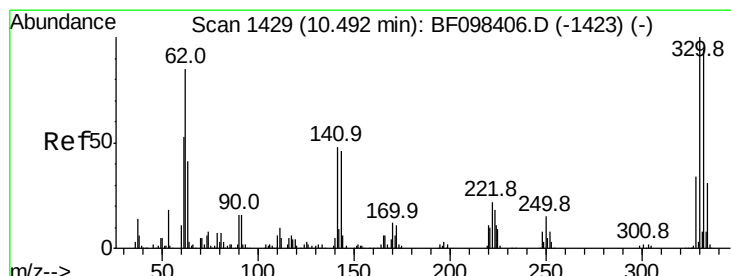
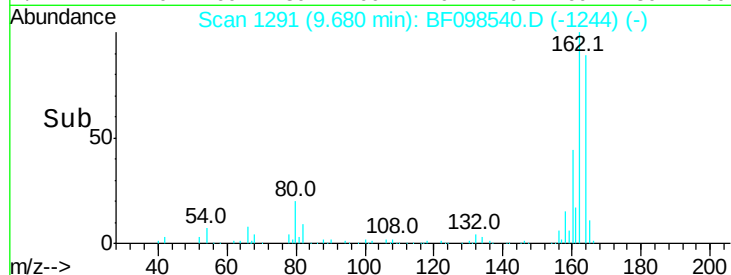
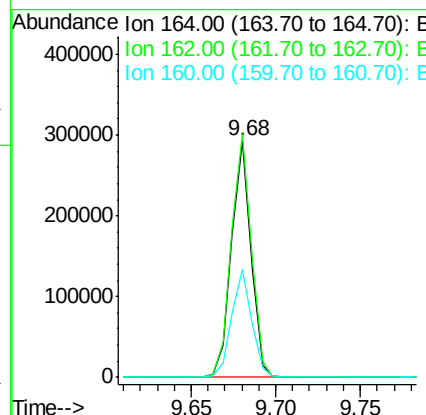
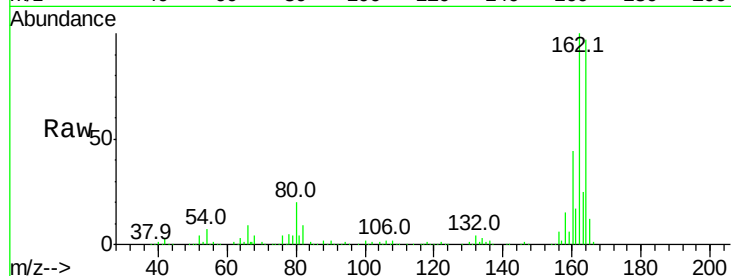
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.68 min Scan# 1291
 Delta R.T. -0.02 min
 Lab File: BF098540.D
 Acq: 14 Sep 2017 20:56

Instrument :
 BNA_F
 ClientSampleId :
 G-8A-1

Tot Ion	Ratio	Resp	Lower	Upper
164	100	234193		
162	103.0	82.6	123.8	
160	45.5	36.2	54.2	

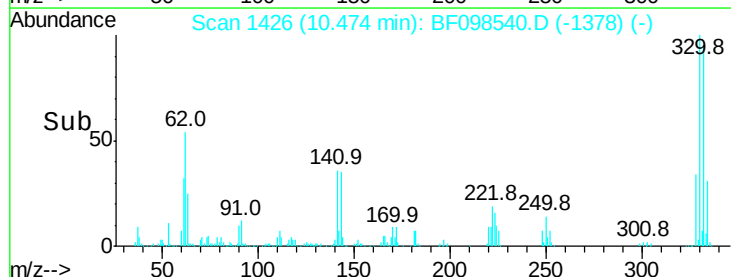
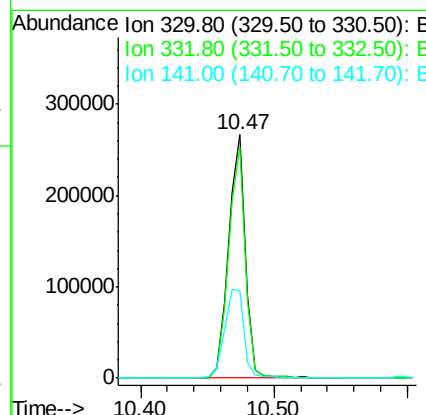
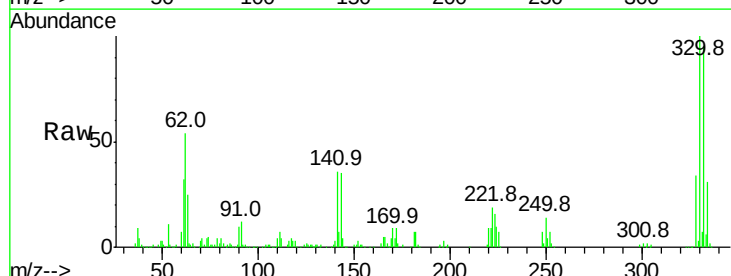
Manual Integrations
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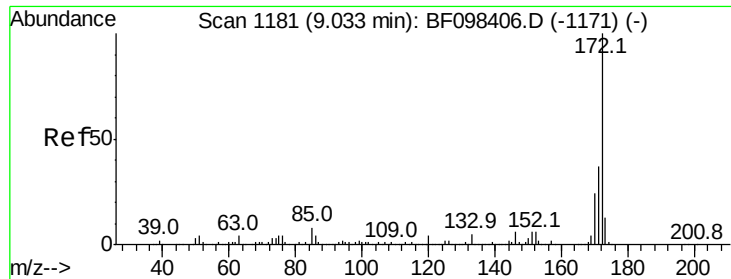
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#41
 2,4,6-Tribromophenol
 Concen: 153.466 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. -0.02 min
 Lab File: BF098540.D
 Acq: 14 Sep 2017 20:56

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	239874		
332	94.4	76.6	115.0	
141	41.7	31.4	47.2	





#44

2-Fluorobiphenyl

Concen: 96.400 ng

RT: 9.01 min Scan# 1177

Delta R.T. -0.02 min

Lab File: BF098540.D

Acq: 14 Sep 2017 20:56

Instrument :

BNA_F

ClientSampled :

G-8A-1

Tot Ion:172 Resp: 1331989

Ion Ratio Lower Upper

172 100

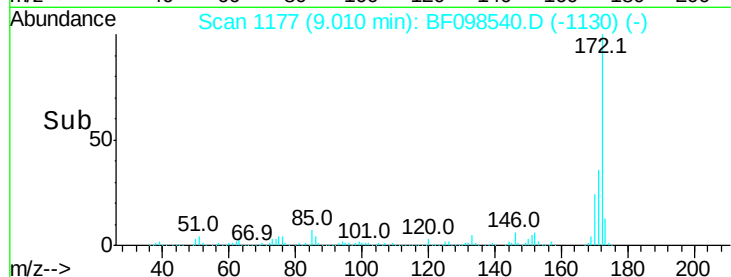
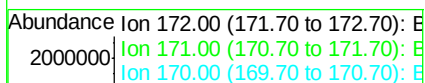
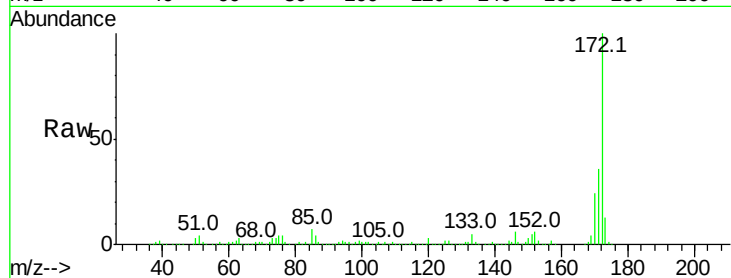
171 36.4 29.6 44.4

170 23.8 19.8 29.8

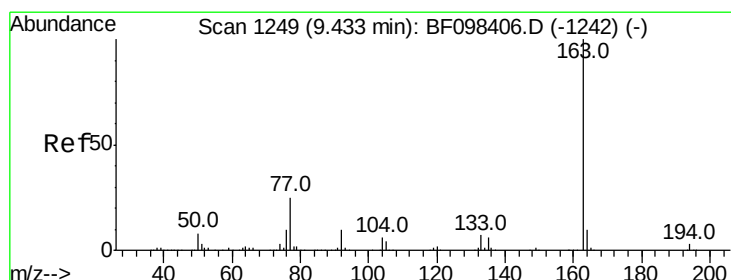
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Time-->



#49

Dimethylphthalate

Concen: 9.858 ng

RT: 9.40 min Scan# 1244

Delta R.T. -0.03 min

Lab File: BF098540.D

Acq: 14 Sep 2017 20:56

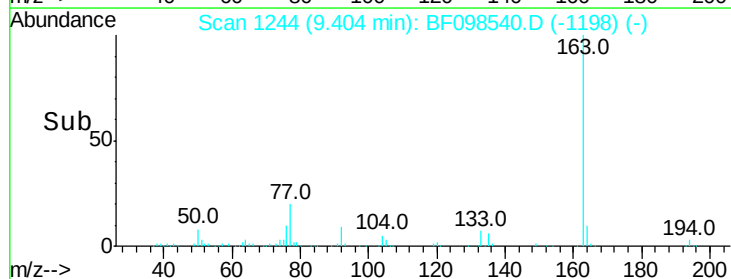
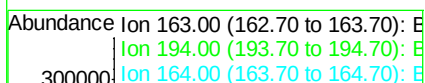
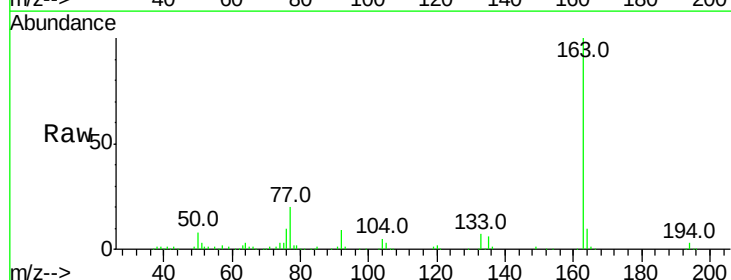
Tgt Ion:163 Resp: 178709

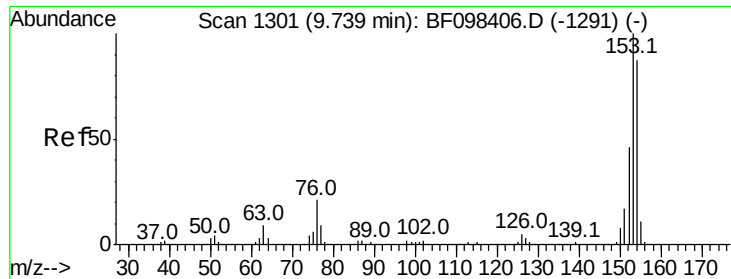
Ion Ratio Lower Upper

163 100

194 3.3 2.6 4.0

164 10.1 8.4 12.6





#51

Acenaphthene

Concen: 3.966 ng

RT: 9.71 min Scan# 1296

Delta R.T. -0.03 min

Lab File: BF098540.D

Acq: 14 Sep 2017 20:56

Instrument :

BNA_F

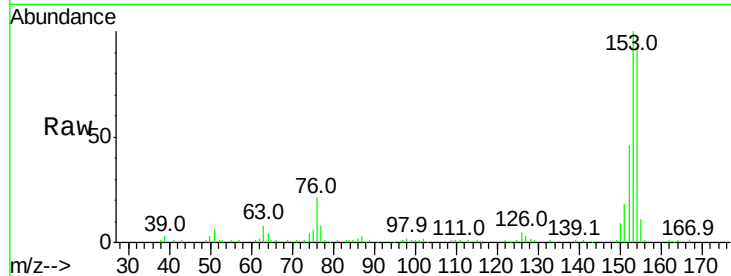
ClientSampled :

G-8A-1

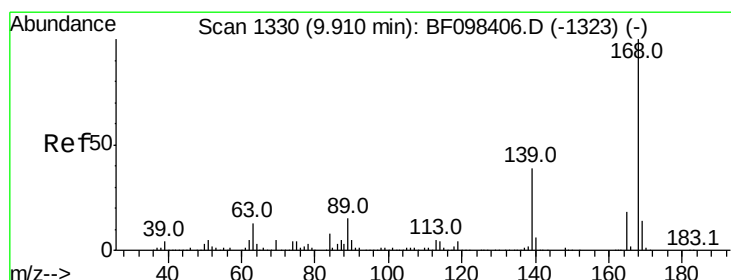
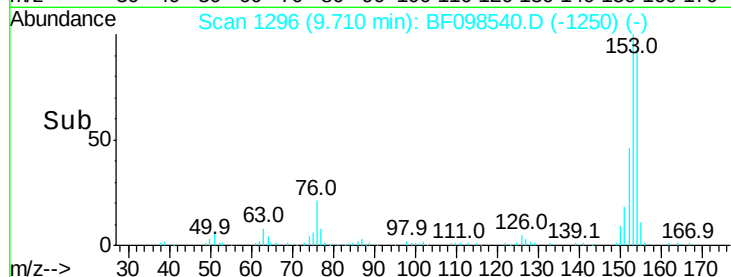
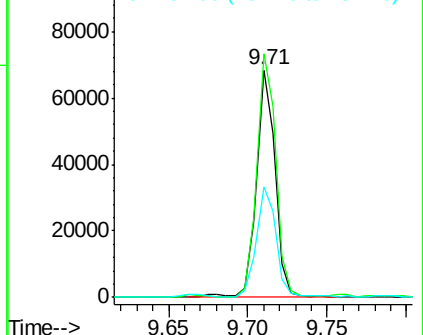
Tot Ion:	154	Resp:	56110
Ion Ratio	Lower	Upper	
154	100		
153	107.1	90.5	135.7
152	48.8	43.6	65.4

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 4.792 ng

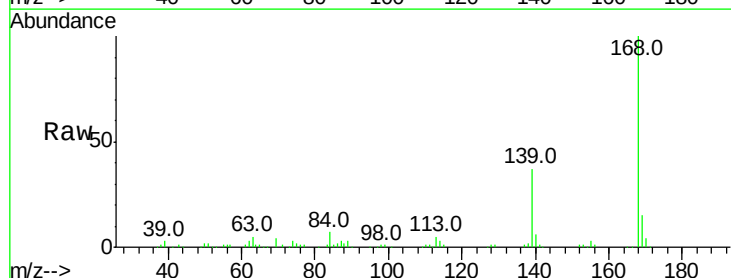
RT: 9.89 min Scan# 1326

Delta R.T. -0.02 min

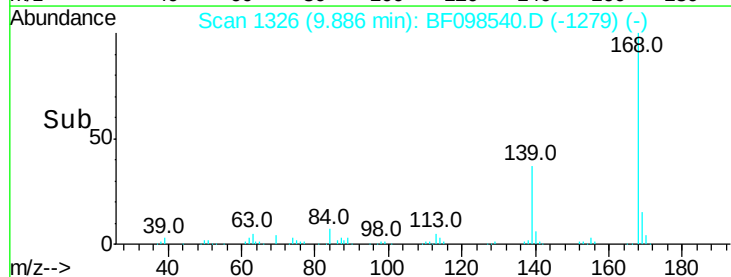
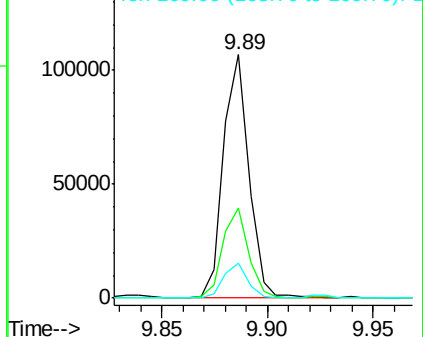
Lab File: BF098540.D

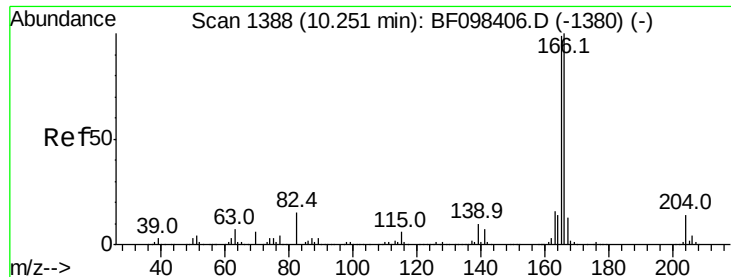
Acq: 14 Sep 2017 20:56

Tgt Ion:	168	Resp:	89322
Ion Ratio	Lower	Upper	
168	100		
139	37.1	30.6	45.8
169	14.6	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





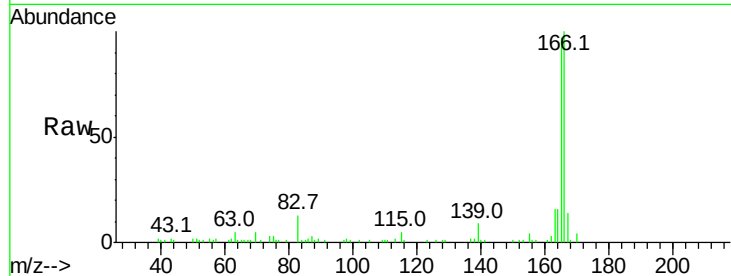
#57
Fluorene
 Concen: 2.895 ng
 RT: 10.23 min Scan# 1384
 Delta R.T. -0.02 min
 Lab File: BF098540.D
 Acq: 14 Sep 2017 20:56

Instrument :
 BNA_F
 ClientSampleId :
 G-8A-1

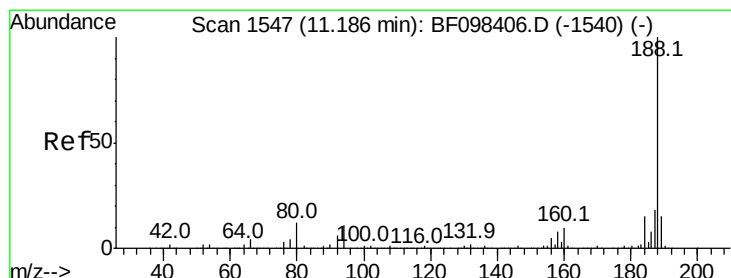
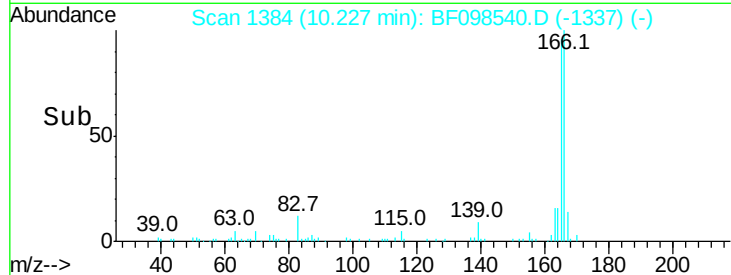
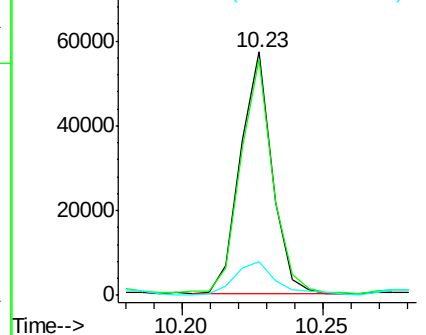
Tot Ion	Ratio	Resp	Lower	Upper
166	100	44662		
165	96.9		78.8	118.2
167	13.9		10.6	16.0

Manual Integrations
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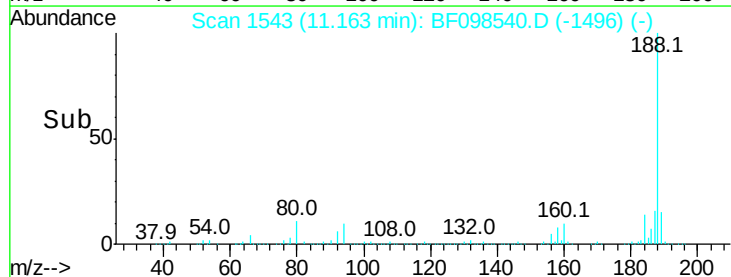
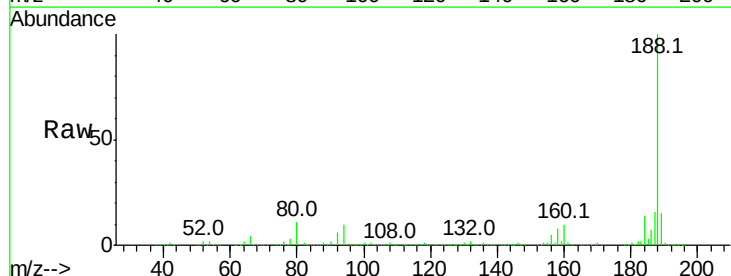
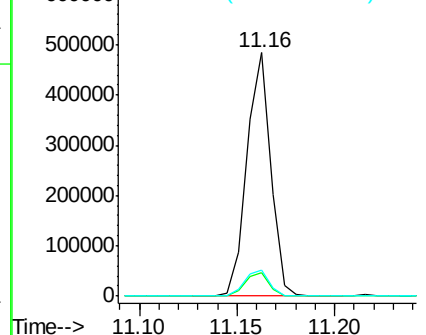
Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

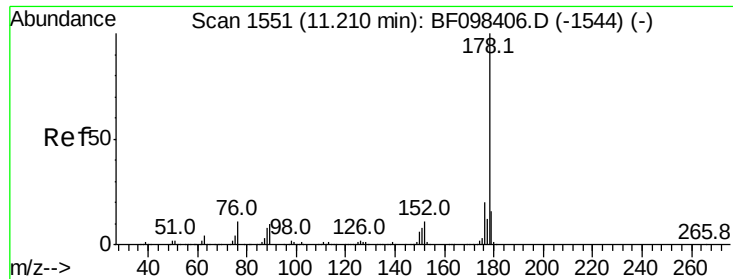


#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.16 min Scan# 1543
 Delta R.T. -0.02 min
 Lab File: BF098540.D
 Acq: 14 Sep 2017 20:56

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	409782		
94	9.6		9.4	14.2
80	10.8		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: 7.452 ng

RT: 11.19 min Scan# 1547

Delta R.T. -0.02 min

Lab File: BF098540.D

Acq: 14 Sep 2017 20:56

Instrument :

BNA_F

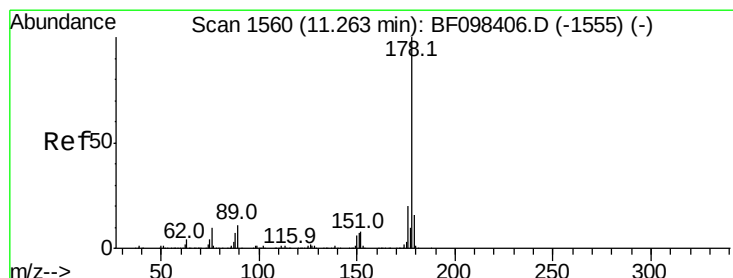
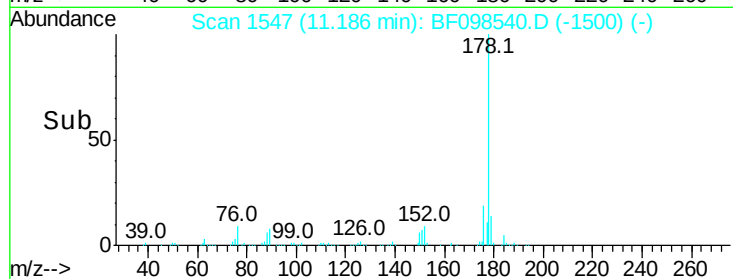
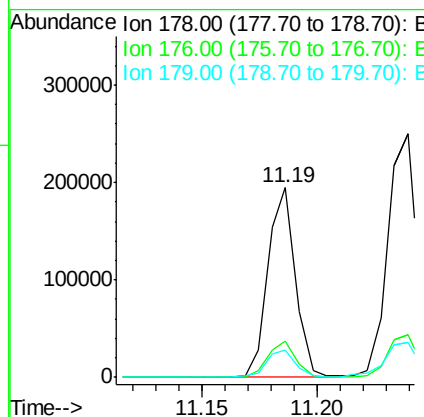
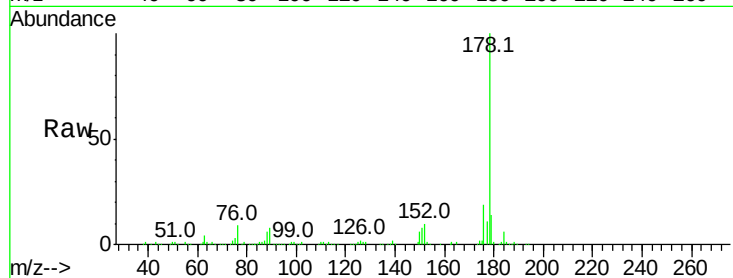
ClientSampleId :

G-8A-1

Tot Ion:	178	Resp:	161883
Ion Ratio	Lower	Upper	
178	100		
176	18.9	16.2	24.4
179	14.3	12.6	19.0

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#71

Anthracene

Concen: 9.760 ng

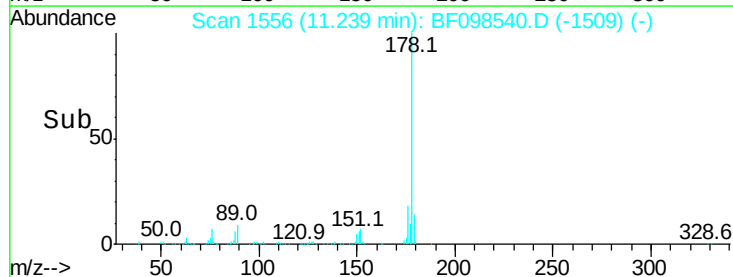
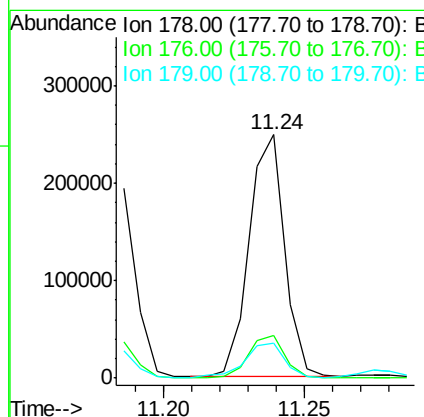
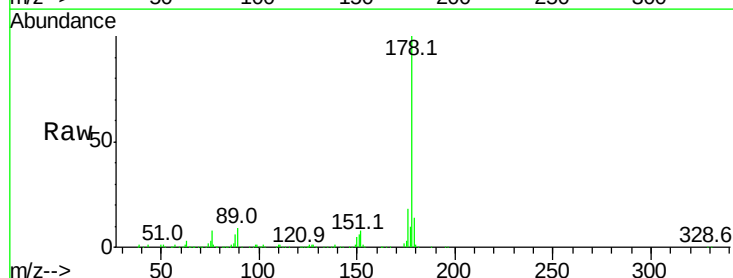
RT: 11.24 min Scan# 1556

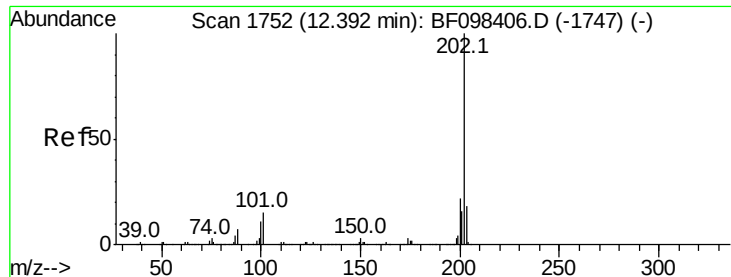
Delta R.T. -0.02 min

Lab File: BF098540.D

Acq: 14 Sep 2017 20:56

Tgt Ion:	178	Resp:	217690
Ion Ratio	Lower	Upper	
178	100		
176	17.7	15.8	23.8
179	14.4	12.7	19.1





#74

Fluoranthene

Concen: 24.723 ng

RT: 12.37 min Scan# 1749

Delta R.T. -0.02 min

Lab File: BF098540.D

Acq: 14 Sep 2017 20:56

Instrument :

BNA_F

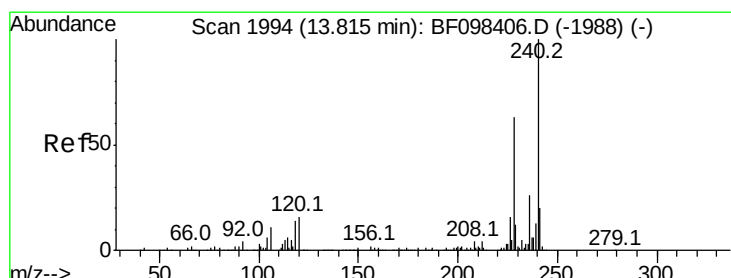
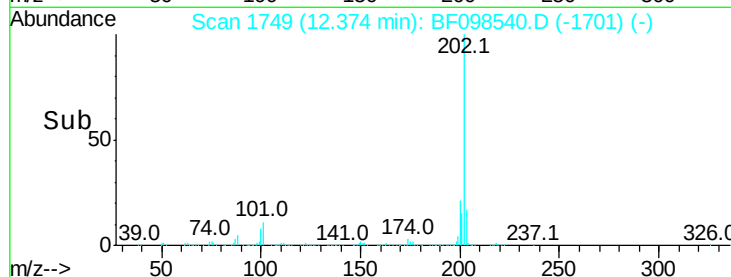
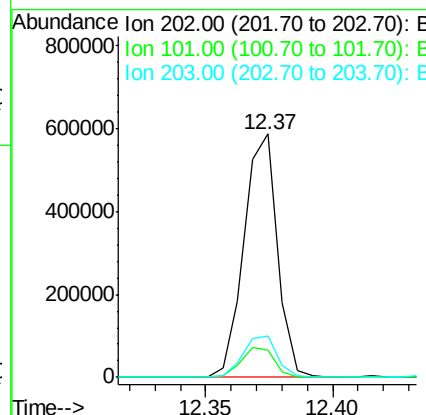
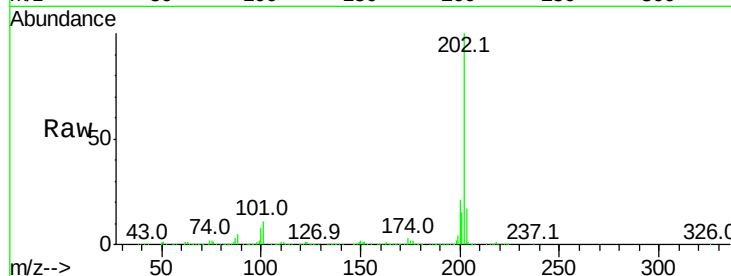
ClientSampleId :

G-8A-1

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.2	0.0	33.2
203	17.2	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

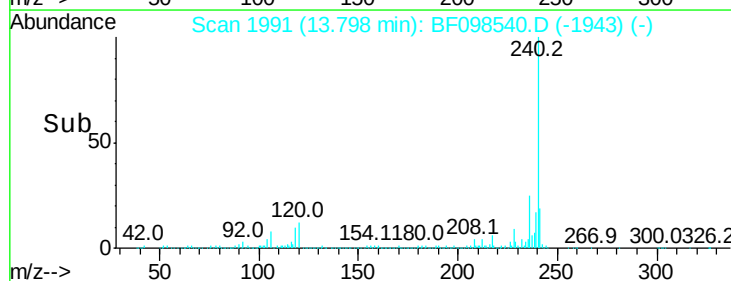
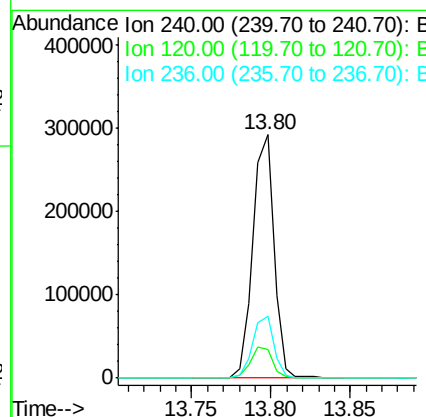
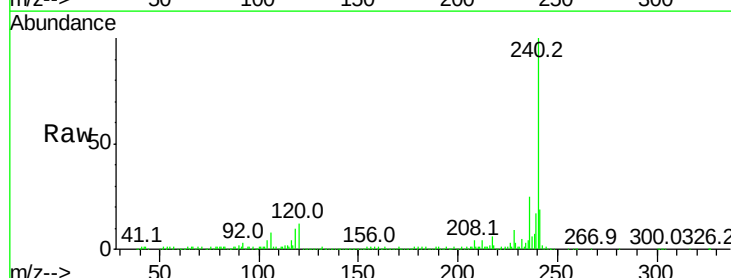
RT: 13.80 min Scan# 1991

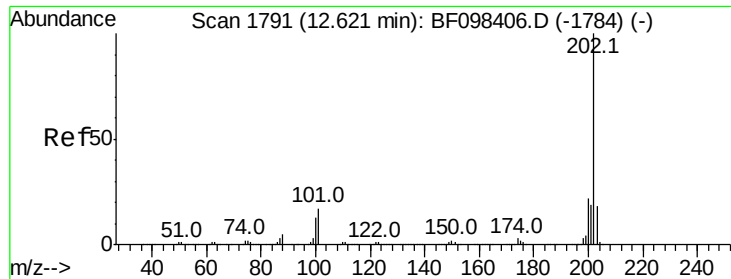
Delta R.T. -0.02 min

Lab File: BF098540.D

Acq: 14 Sep 2017 20:56

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.8	5.8	8.8#
236	25.2	20.5	30.7





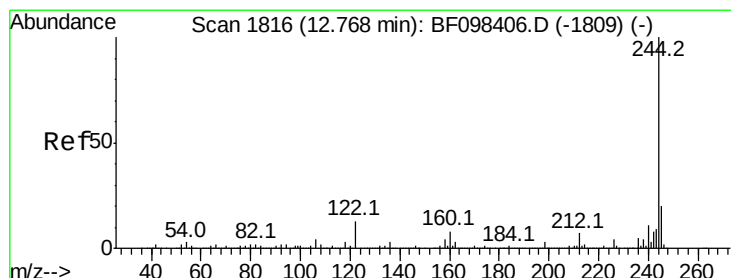
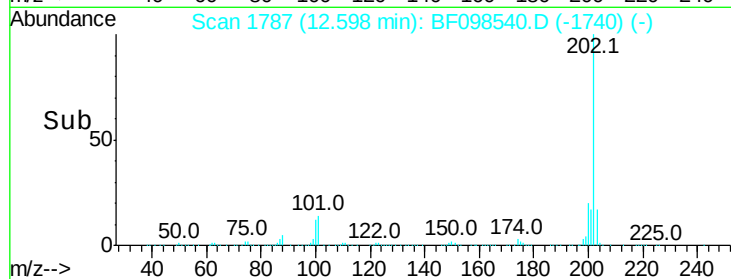
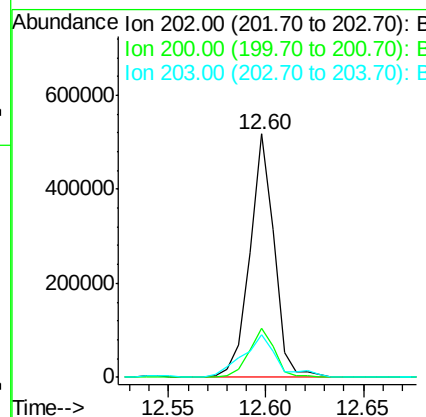
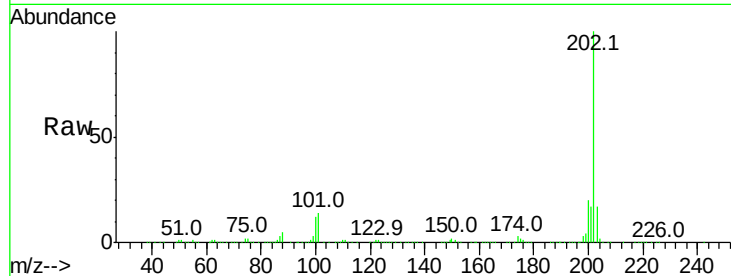
#77
Pvrene
Concen: 20.742 ng
RT: 12.60 min Scan# 1787
Delta R.T. -0.02 min
Lab File: BF098540.D
Acq: 14 Sep 2017 20:56

Instrument :
BNA_F
ClientSampleId :
G-8A-1

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.3	17.6	26.4
203	17.5	14.4	21.6

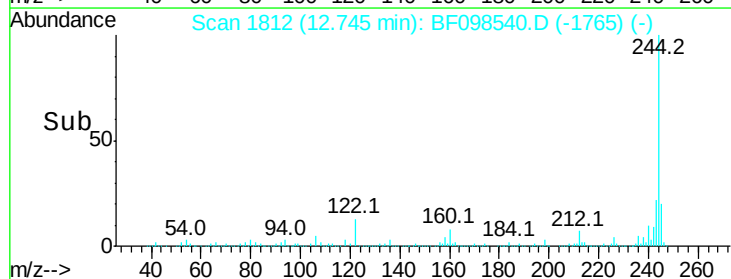
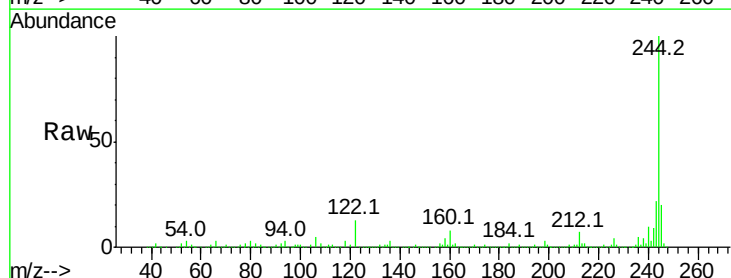
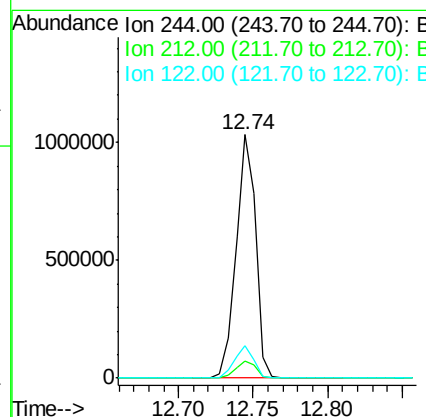
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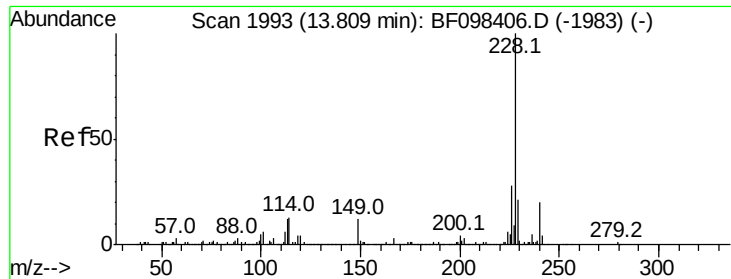
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#78
Terphenyl-d14
Concen: 75.991 ng
RT: 12.74 min Scan# 1812
Delta R.T. -0.02 min
Lab File: BF098540.D
Acq: 14 Sep 2017 20:56

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.3	6.0	9.0
122	13.1	10.3	15.5





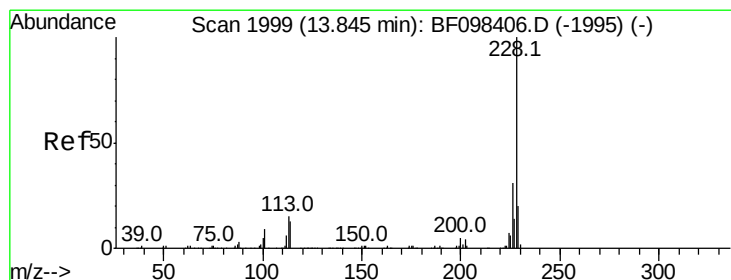
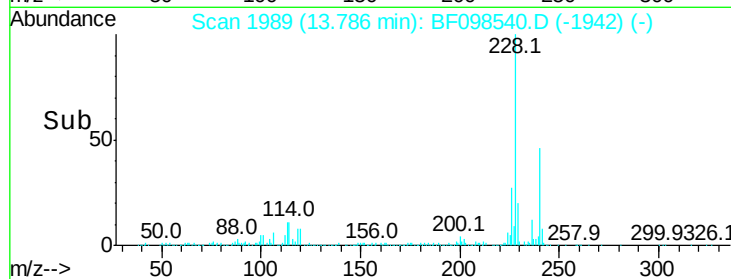
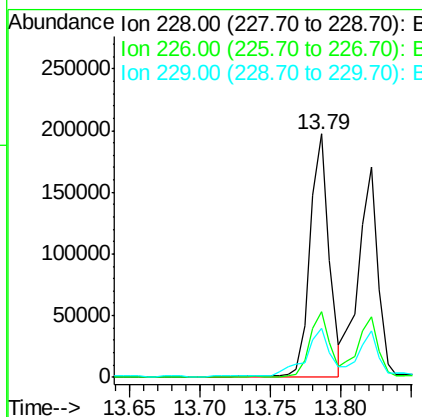
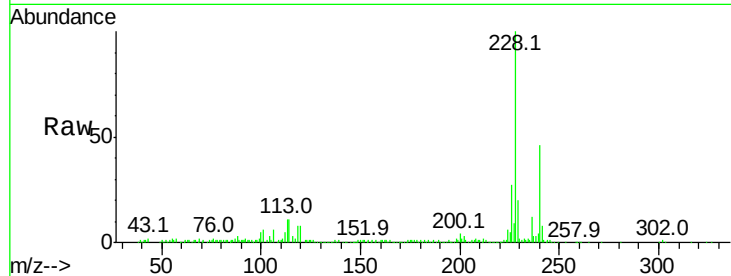
#80
Benzo(a)anthracene
Concen: 11.548 ng
RT: 13.79 min Scan# 1989
Delta R.T. -0.02 min
Lab File: BF098540.D
Acq: 14 Sep 2017 20:56

Instrument :
BNA_F
ClientSampled :
G-8A-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.6	33.8
229	20.3	16.3	24.5

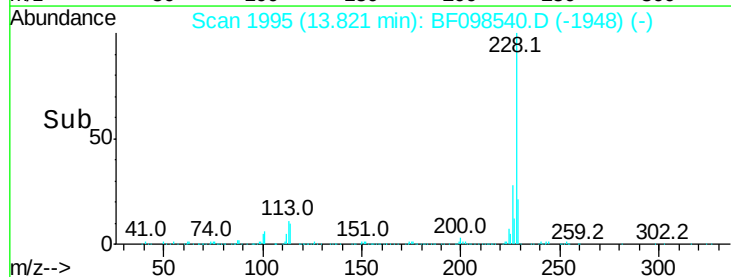
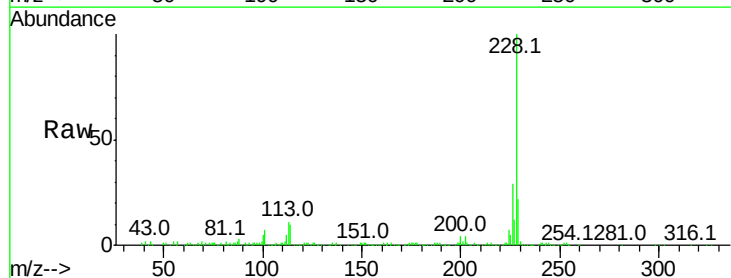
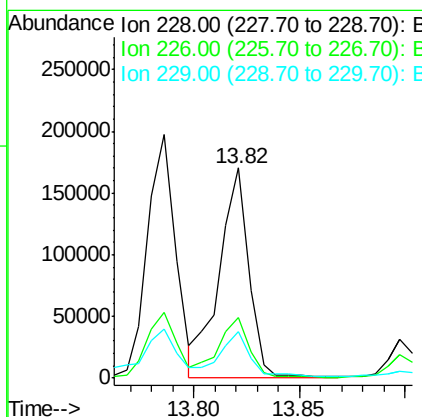
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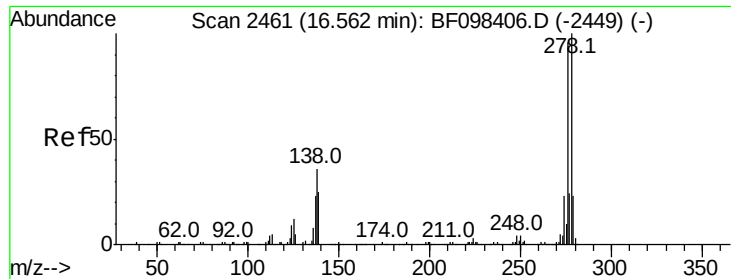
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#82
Chrysene
Concen: 10.260 ng
RT: 13.82 min Scan# 1995
Delta R.T. -0.02 min
Lab File: BF098540.D
Acq: 14 Sep 2017 20:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	24.9	37.3
229	21.9	15.8	23.6





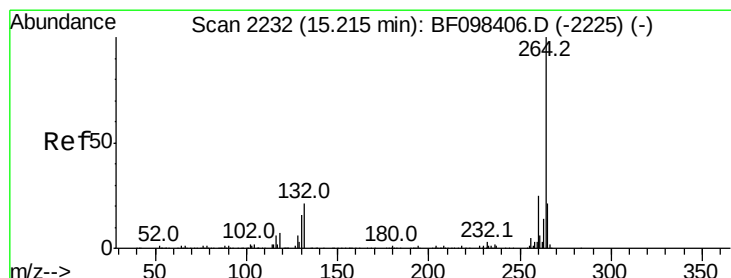
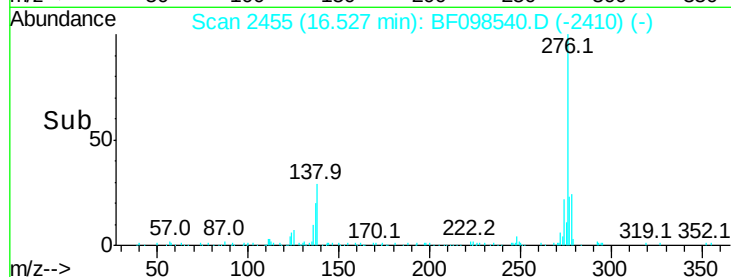
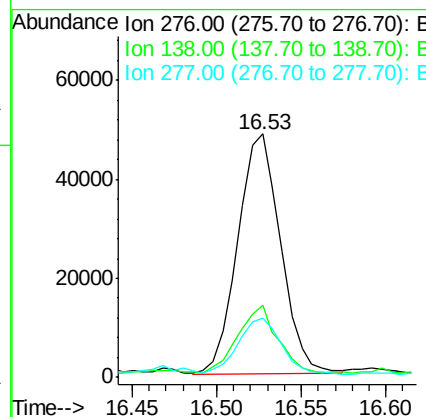
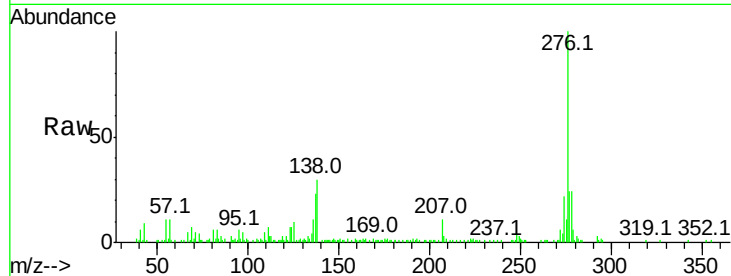
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.606 ng
 RT: 16.53 min Scan# 2455
 Delta R.T. -0.04 min
 Lab File: BF098540.D
 Acq: 14 Sep 2017 20:56

Instrument :
 BNA_F
 ClientSampleId :
 G-8A-1

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.4	27.8	41.6#
277	26.2	20.2	30.4

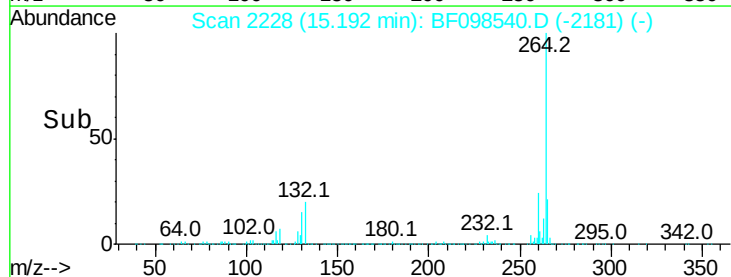
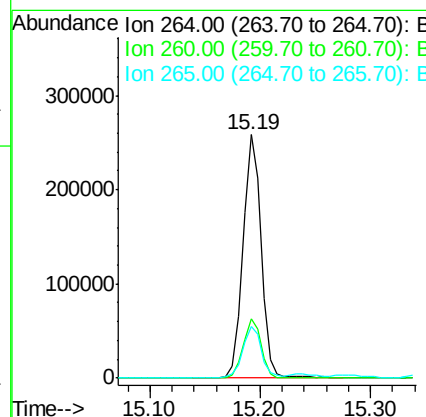
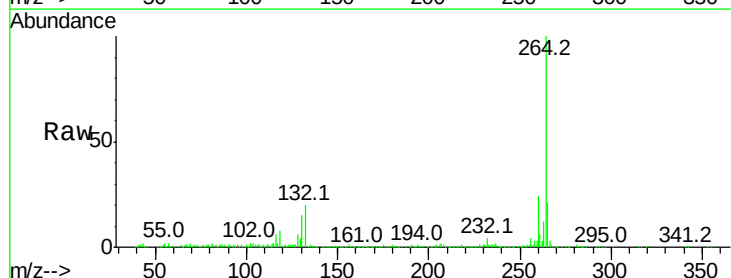
Manual Integrations
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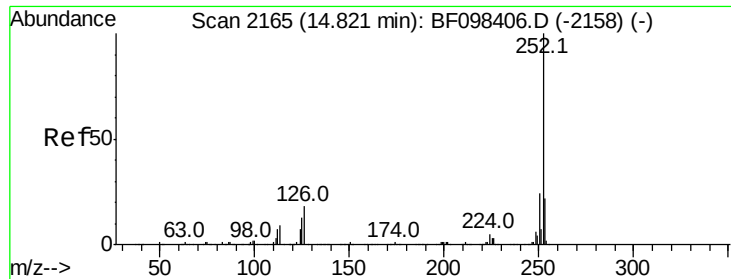
Sohil
 9/15/2017 5:43:55 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.19 min Scan# 2228
 Delta R.T. -0.02 min
 Lab File: BF098540.D
 Acq: 14 Sep 2017 20:56

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.5	29.3
265	21.3	17.2	25.8





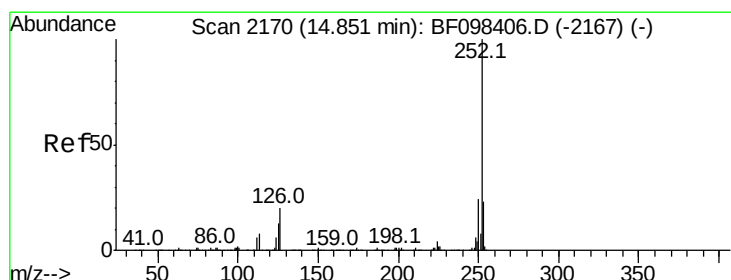
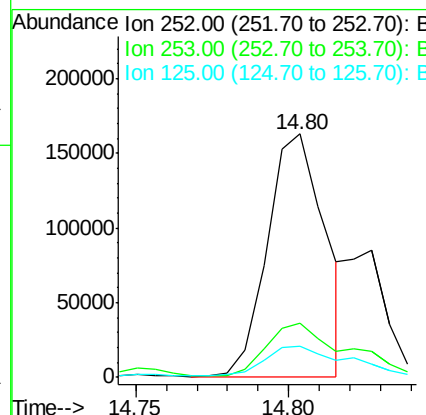
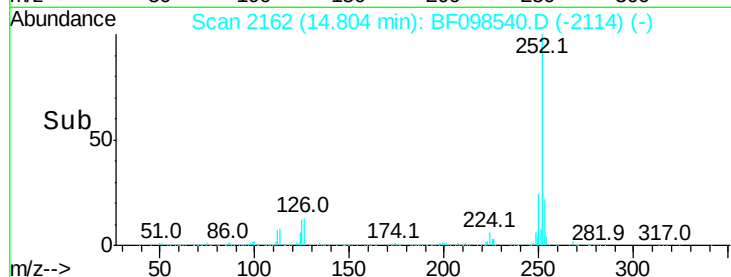
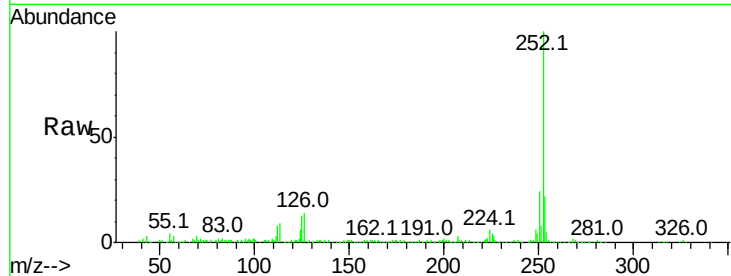
#87
Benzo(b)fluoranthene
Concen: 11.278 ng m
RT: 14.80 min Scan# 2162
Delta R.T. -0.02 min
Lab File: BF098540.D
Acq: 14 Sep 2017 20:56

Instrument :
BNA_F
ClientSampled :
G-8A-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.1	27.1
125	13.0	9.8	14.8

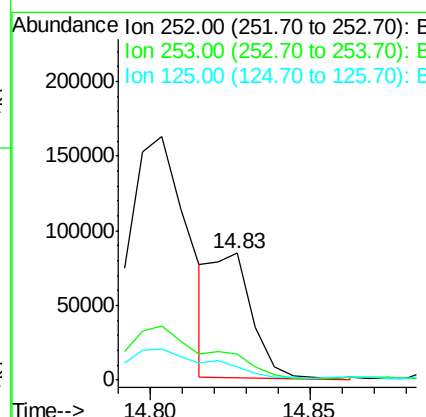
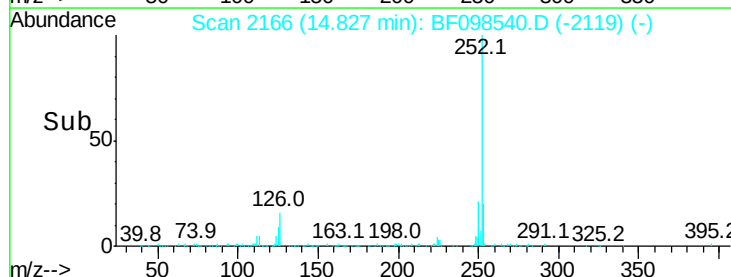
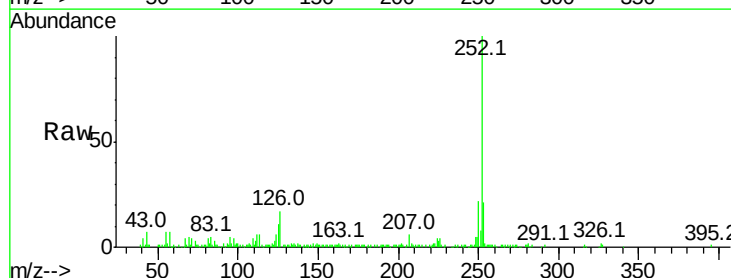
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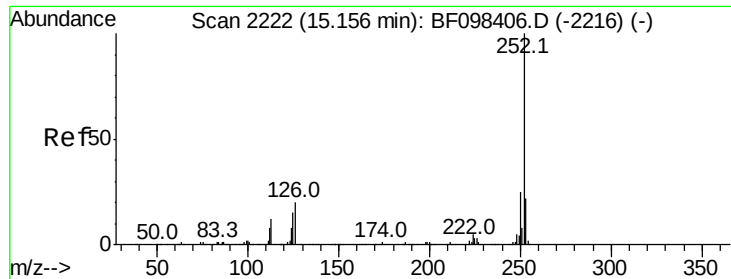
Sohil
9/15/2017 5:43:55 PM



#88
Benzo(k)fluoranthene
Concen: 4.155 ng m
RT: 14.83 min Scan# 2166
Delta R.T. -0.02 min
Lab File: BF098540.D
Acq: 14 Sep 2017 20:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.5	18.4	27.6
125	10.6	13.1	19.7





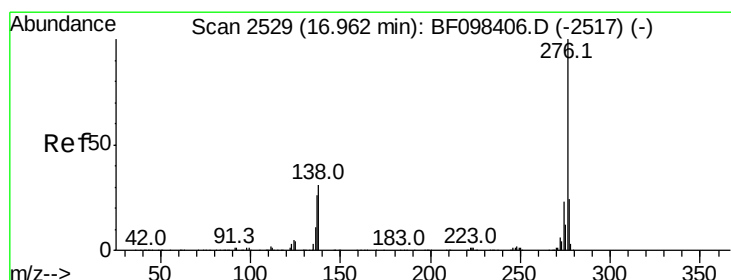
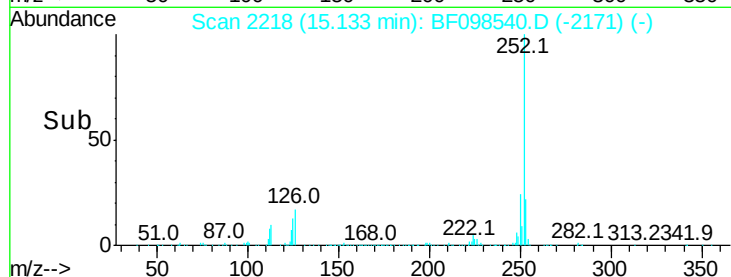
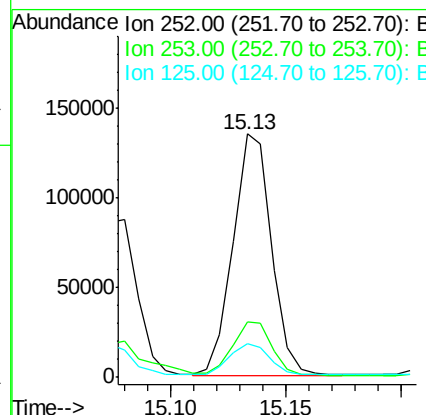
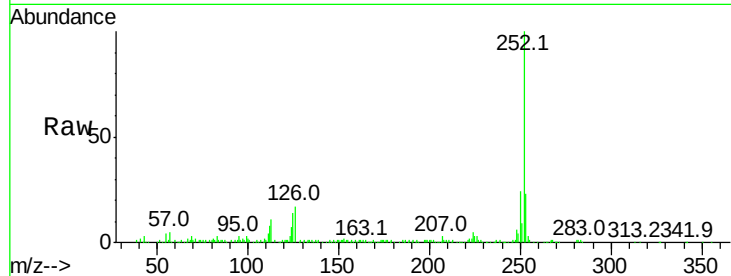
#89
Benzo(a)pyrene
Concen: 9.447 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.02 min
Lab File: BF098540.D
Acq: 14 Sep 2017 20:56

Instrument :
BNA_F
ClientSampleId :
G-8A-1

Tot Ion	Ratio	Resp	Lower	Upper
252	100	159196		
253	23.0		17.5	26.3
125	13.6		11.0	16.4

Manual Integrations
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9/15/2017 5:43:55 PM



#91
Benzo(g,h,i)perylene
Concen: 6.040 ng
RT: 16.93 min Scan# 2523
Delta R.T. -0.04 min
Lab File: BF098540.D
Acq: 14 Sep 2017 20:56

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	74468		
277	26.5		18.6	28.0
138	29.9		25.4	38.0

