

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091417\
 Data File : BF098549.D
 Acq On : 15 Sep 2017 1:11
 Operator : SJ/JU
 Sample : I5160-10
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G-8A-2

Manual Integrations
 APPROVED

Sohil
 9/15/2017 5:44:28 PM

Quant Time: Sep 15 07:08:37 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	140107	20.00	ng	-0.02
21) Naphthalene-d8	7.93	136	580131	20.00	ng	-0.02
38) Acenaphthene-d10	9.68	164	256957	20.00	ng	-0.02
63) Phenanthrene-d10	11.16	188	413458	20.00	ng	-0.02
75) Chrysene-d12	13.79	240	295013	20.00	ng	-0.02
86) Perylene-d12	15.19	264	312901	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	1133404	119.61	ng	-0.01
7) Phenol-d6	6.30	99	1416118	117.70	ng	-0.02
23) Nitrobenzene-d5	7.22	82	894005	85.91	ng	-0.02
41) 2,4,6-Tribromophenol	10.47	330	219120	127.77	ng	-0.02
44) 2-Fluorobiphenyl	9.01	172	1469639	96.94	ng	-0.02
78) Terphenyl-d14	12.75	244	939527	68.74	ng	-0.02
Target Compounds						
10) Phenol	6.32	94	34283	2.453	ng	93
31) Naphthalene	7.95	128	75757	2.642	ng	98
37) 2-Methylnaphthalene	8.65	142	49307	2.838	ng	99
49) Dimethylphthalate	9.40	163	277407	13.947	ng	99
70) Phenanthrene	11.19	178	156575	7.143	ng	97
74) Fluoranthene	12.37	202	205130	9.349	ng	99
77) Pyrene	12.60	202	201608	8.663	ng	98
80) Benzo(a)anthracene	13.79	228	103098	5.961	ng	96
82) Chrysene	13.82	228	126172	7.217	ng	96
85) Indeno(1,2,3-cd)pyrene	16.53	276	58113	4.738	ng	# 92
87) Benzo(b)fluoranthene	14.80	252	175089m	8.899	ng	
88) Benzo(k)fluoranthene	14.83	252	59633m	3.247	ng	
89) Benzo(a)pyrene	15.13	252	91456	5.218	ng	97
91) Benzo(a,h,i)perylene	16.93	276	51156	3.989	ng	97

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

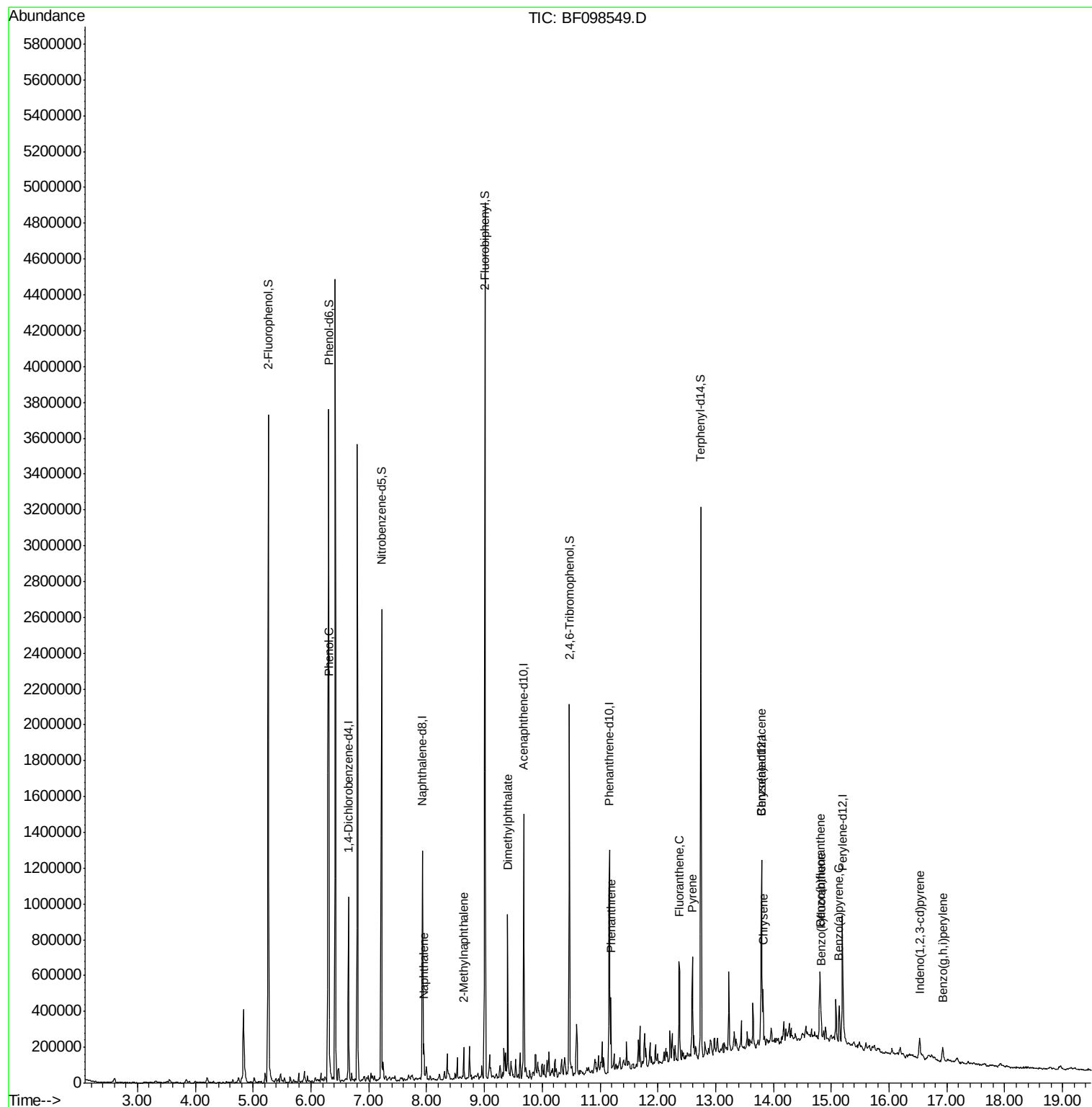
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF091417\
Data File : BF098549.D
Acq On : 15 Sep 2017 1:11
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Misc :
ALS Vial : 19 Sample Multiplier: 1

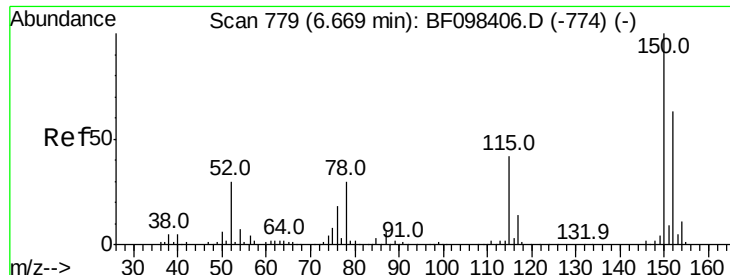
Instrument :
BNA_F
ClientSampleId :
G-8A-2

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Quant Time: Sep 15 07:08:37 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

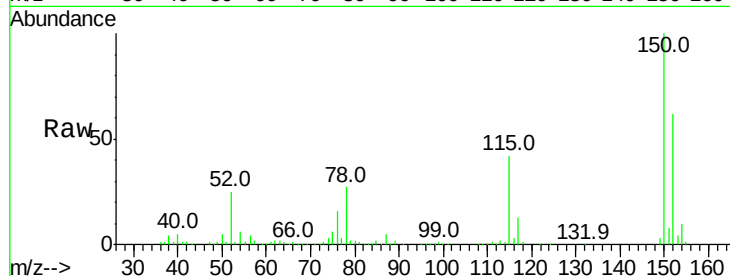
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.65 min Scan# 775
Delta R.T. -0.02 min
Lab File: BF098549.D
Acq: 15 Sep 2017 1:11

Instrument :
BNA_F
ClientSampleId :
G-8A-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.1	126.2	189.2
115	68.5	52.2	78.2

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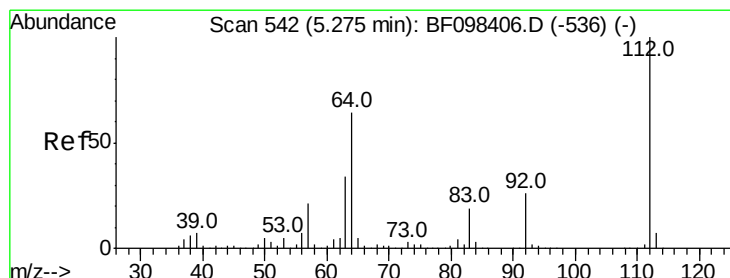
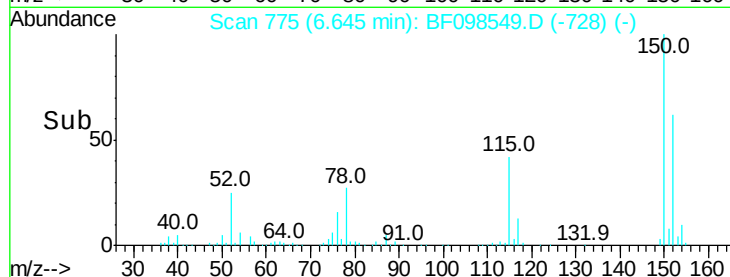
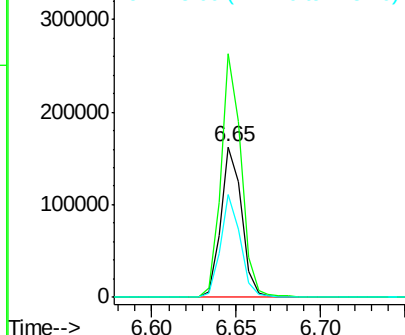


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

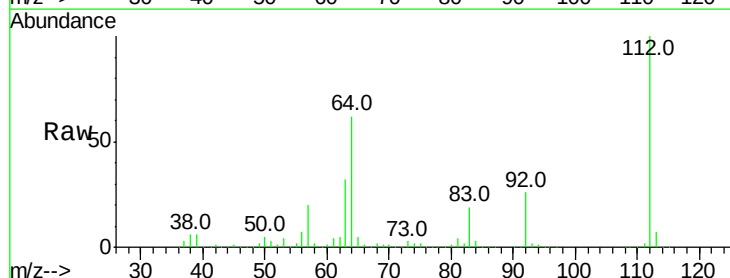
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 119.606 ng
RT: 5.26 min Scan# 540
Delta R.T. -0.01 min
Lab File: BF098549.D
Acq: 15 Sep 2017 1:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.2	46.0	69.0
63	32.3	23.4	35.0

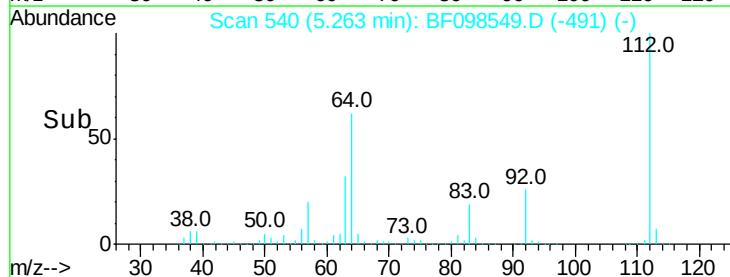
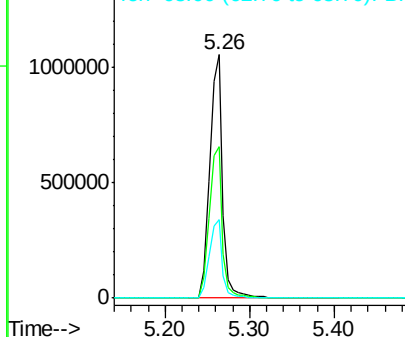


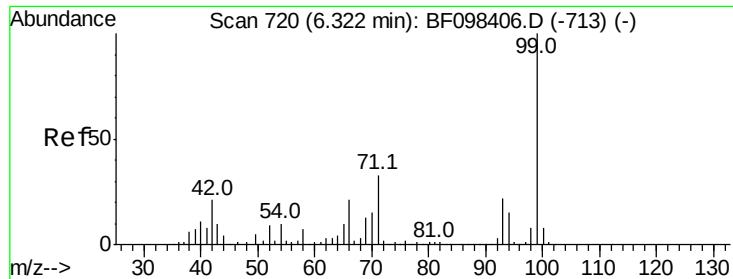
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 117.701 ng

RT: 6.30 min Scan# 717

Delta R.T. -0.02 min

Lab File: BF098549.D

Acq: 15 Sep 2017 1:11

Instrument :

BNA_F

ClientSampled :

G-8A-2

Tot Ion: 99 Resp: 1416118

Ion Ratio Lower Upper

99 100

42 18.1 13.5 20.3

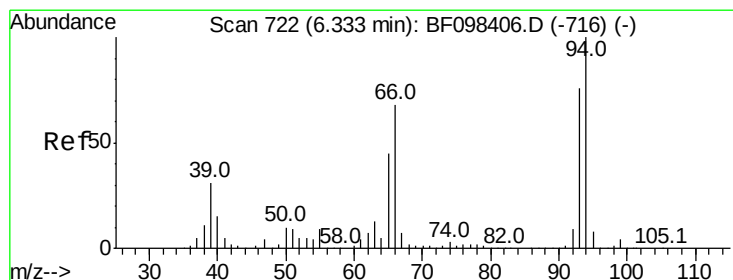
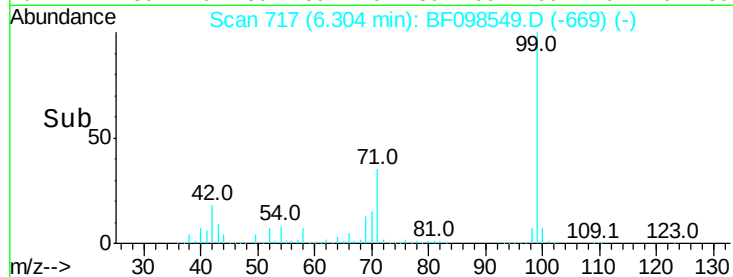
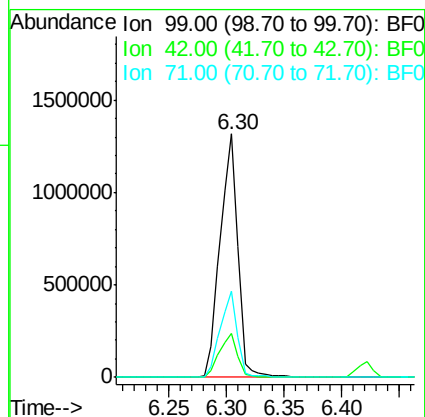
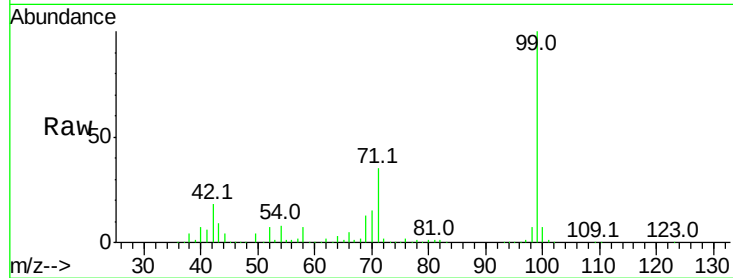
71 35.2 24.5 36.7

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#10

Phenol

Concen: 2.453 ng

RT: 6.32 min Scan# 719

Delta R.T. -0.02 min

Lab File: BF098549.D

Acq: 15 Sep 2017 1:11

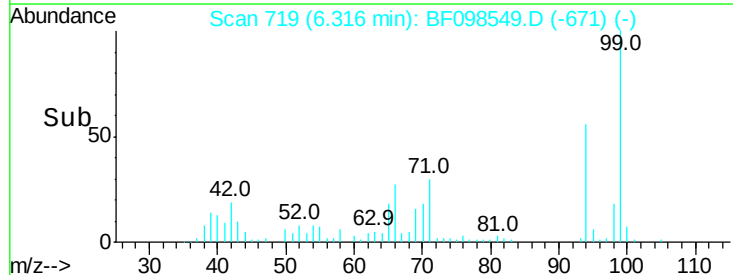
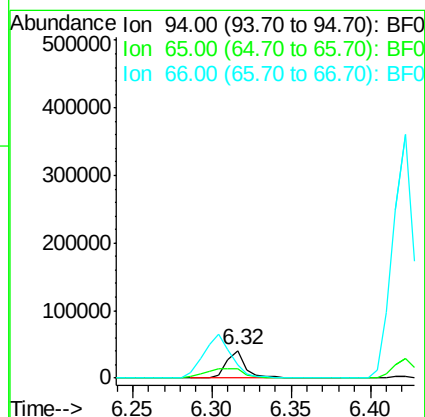
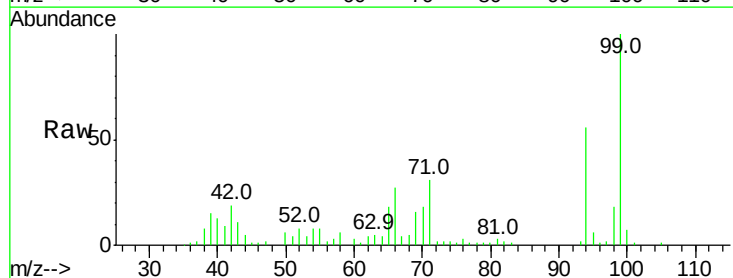
Tgt Ion: 94 Resp: 34283

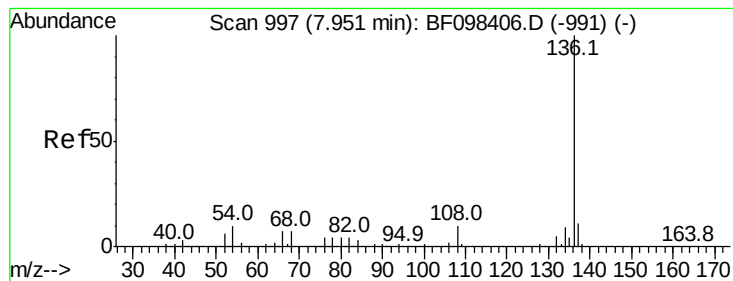
Ion Ratio Lower Upper

94 100

65 33.0 9.9 49.9

66 48.7 23.1 63.1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.93 min Scan# 993

Delta R.T. -0.02 min

Lab File: BF098549.D

Acq: 15 Sep 2017 1:11

Instrument :

BNA_F

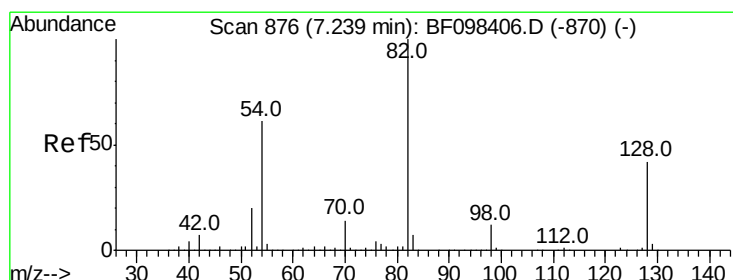
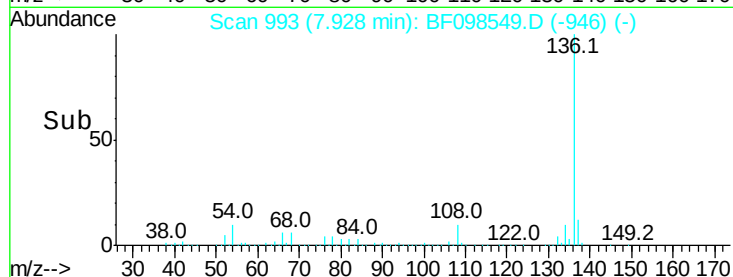
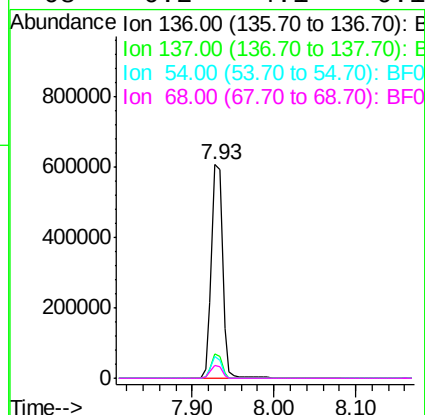
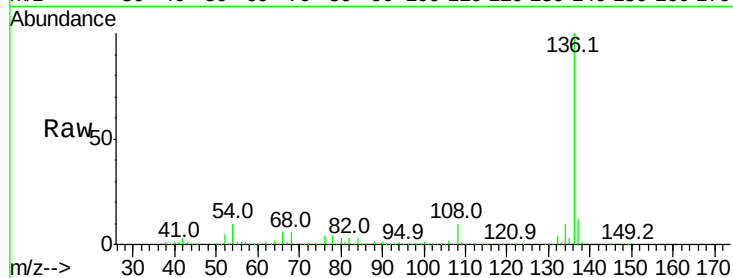
ClientSampleId :

G-8A-2

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.7	8.5	12.7
54	9.9	4.9	7.3#
68	6.2	4.1	6.1#

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#23

Nitrobenzene-d5

Concen: 85.912 ng

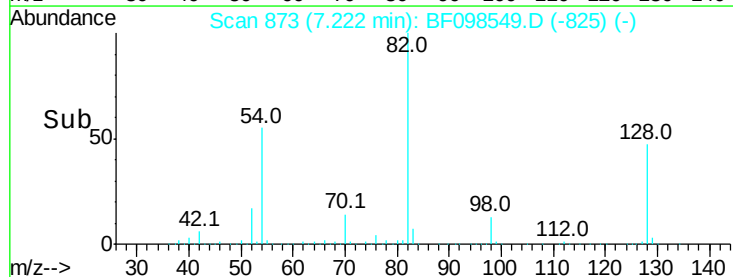
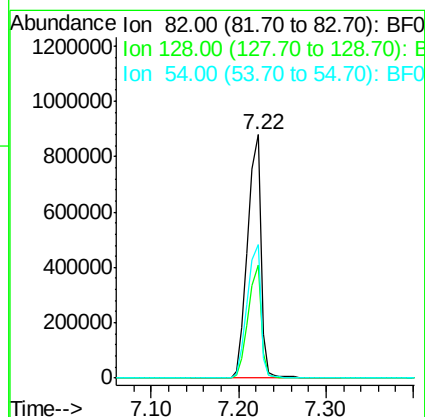
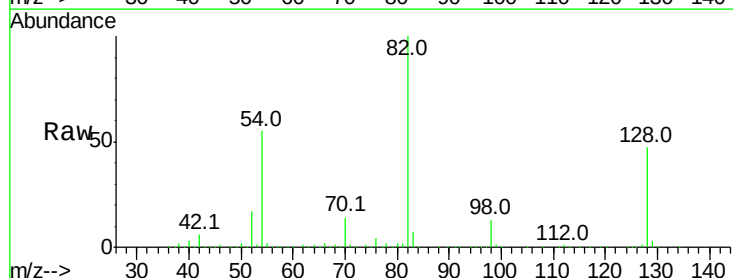
RT: 7.22 min Scan# 873

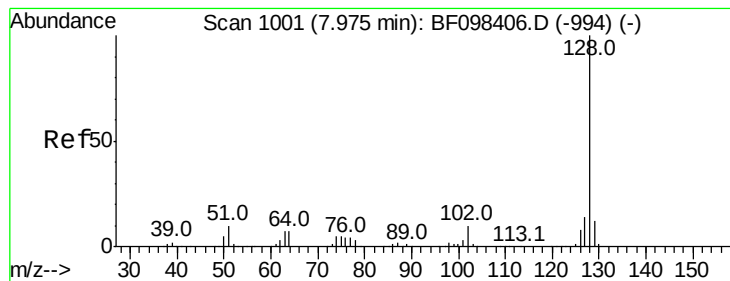
Delta R.T. -0.02 min

Lab File: BF098549.D

Acq: 15 Sep 2017 1:11

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	46.7	34.0	51.0
54	54.6	42.2	63.2





#31

Naphthalene

Concen: 2.642 ng

RT: 7.95 min Scan# 997

Delta R.T. -0.02 min

Lab File: BF098549.D

Acq: 15 Sep 2017 1:11

Instrument :

BNA_F

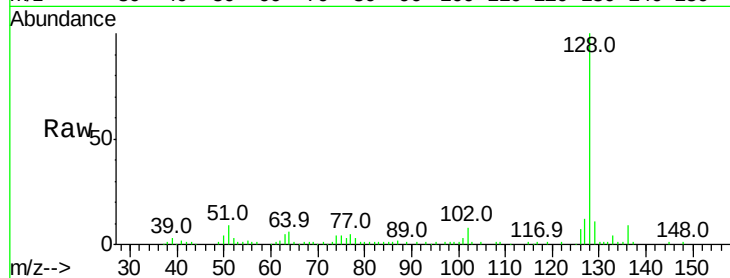
ClientSampled :

G-8A-2

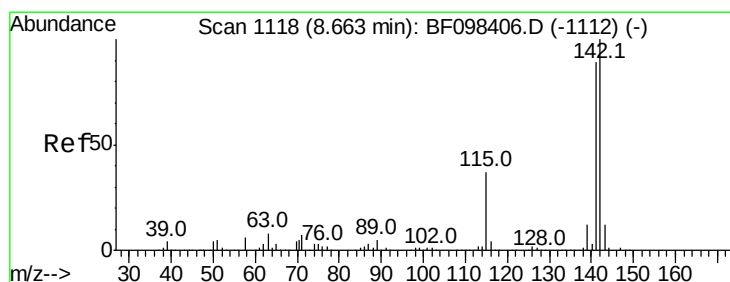
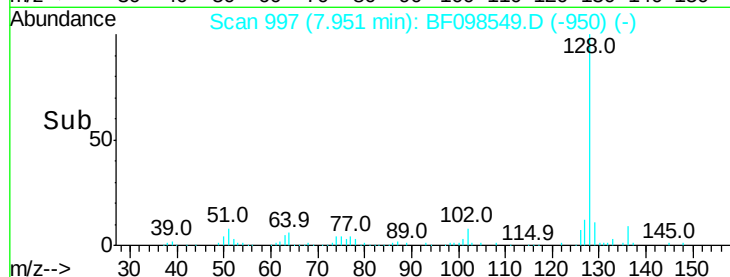
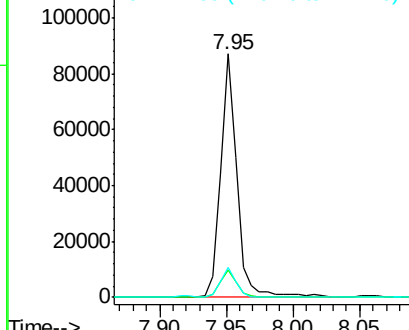
Tot Ion:	128	Resp:	75757
Ion Ratio	Lower	Upper	
128	100		
129	11.2	9.0	13.6
127	12.1	10.8	16.2

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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: 2.838 ng

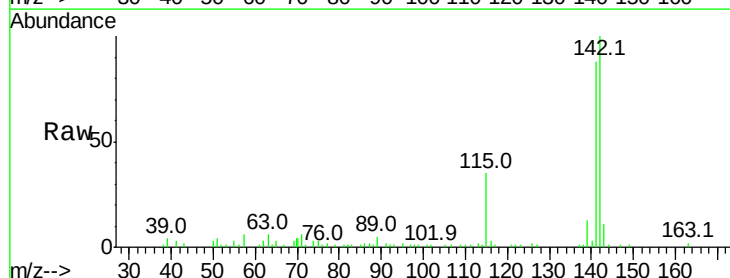
RT: 8.65 min Scan# 1115

Delta R.T. -0.02 min

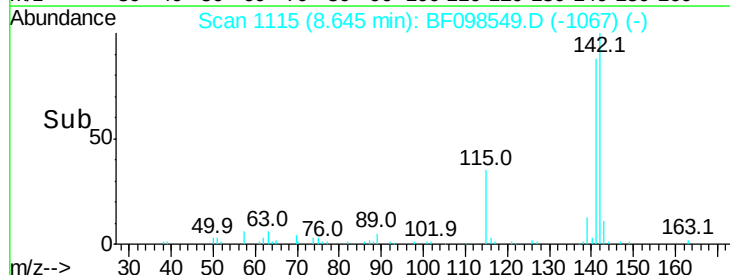
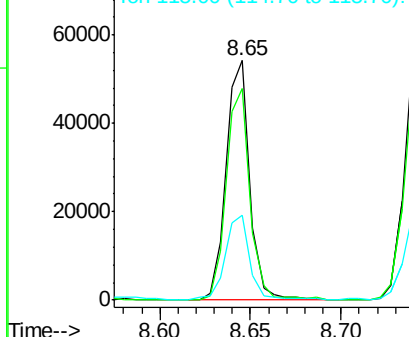
Lab File: BF098549.D

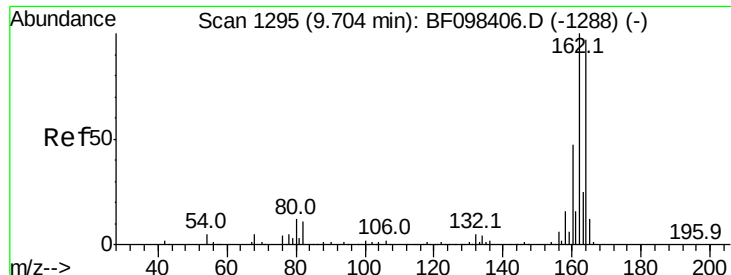
Acq: 15 Sep 2017 1:11

Tgt Ion:	142	Resp:	49307
Ion Ratio	Lower	Upper	
142	100		
141	88.4	71.3	106.9
115	35.2	27.1	40.7



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





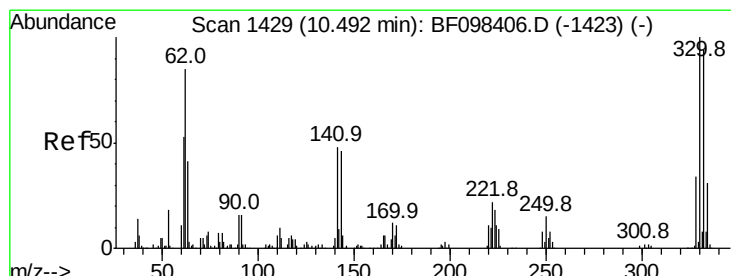
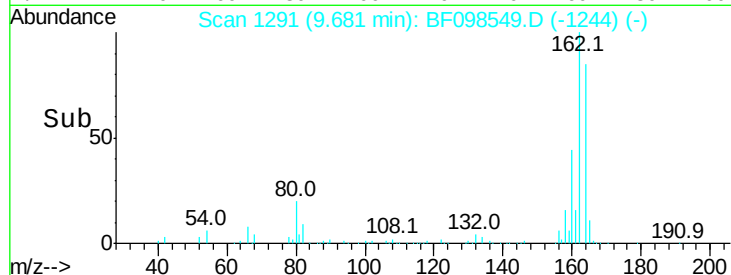
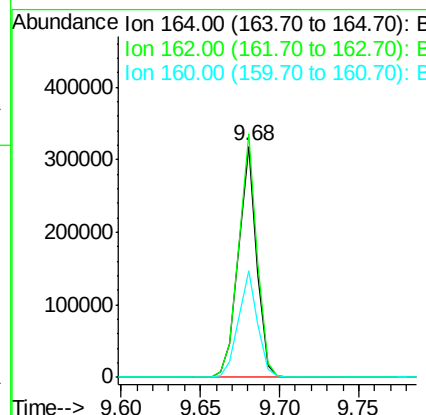
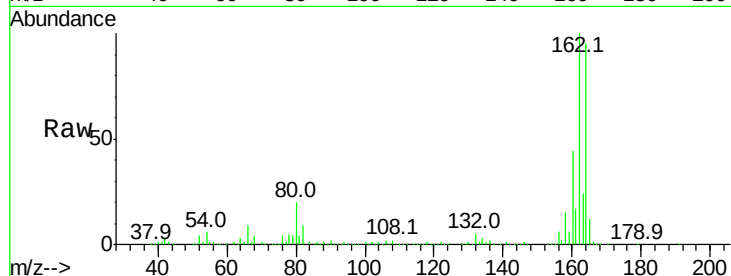
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.68 min Scan# 1291
 Delta R.T. -0.02 min
 Lab File: BF098549.D
 Acq: 15 Sep 2017 1:11

Instrument :
 BNA_F
 ClientSampleId :
 G-8A-2

Tot Ion	Ratio	Resp	Lower	Upper
164	100	256957		
162	105.4		82.6	123.8
160	46.3		36.2	54.2

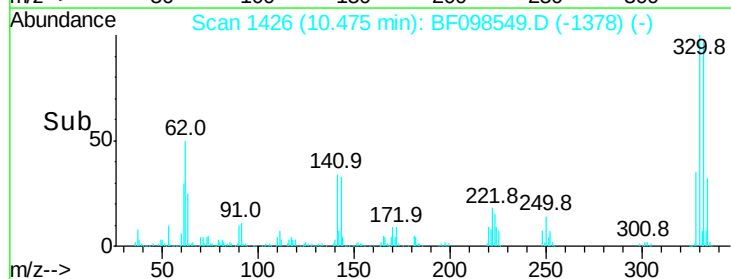
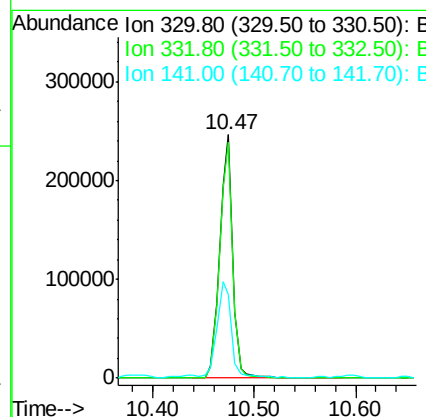
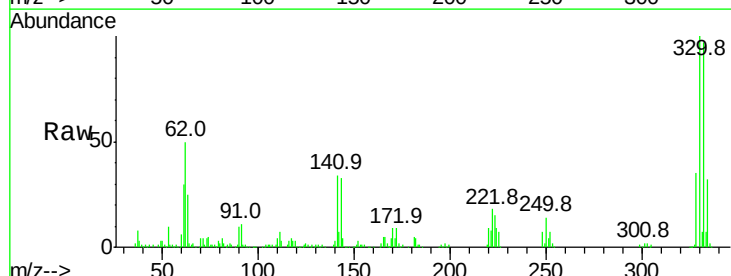
Manual Integrations
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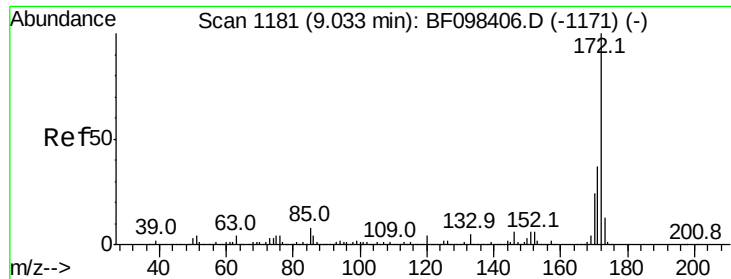
Sohil
 9/15/2017 5:44:28 PM



#41
 2,4,6-Tribromophenol
 Concen: 127.768 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. -0.02 min
 Lab File: BF098549.D
 Acq: 15 Sep 2017 1:11

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	219120		
332	97.5		76.6	115.0
141	45.9		31.4	47.2





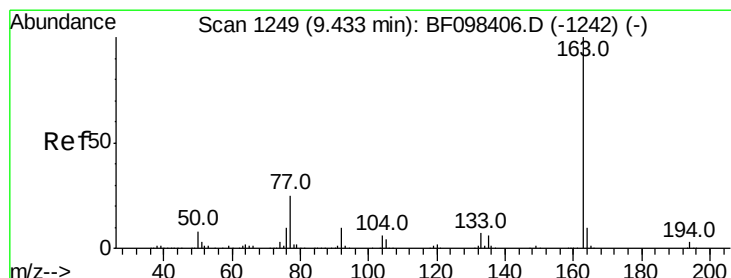
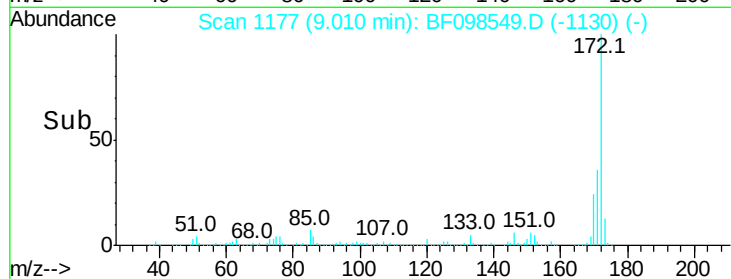
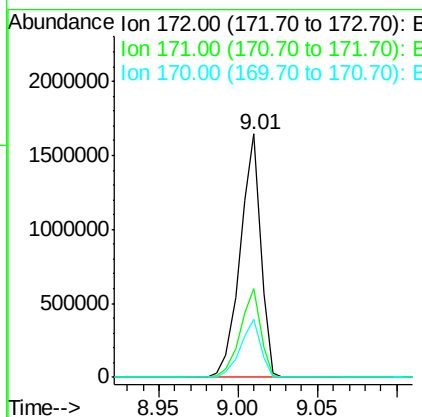
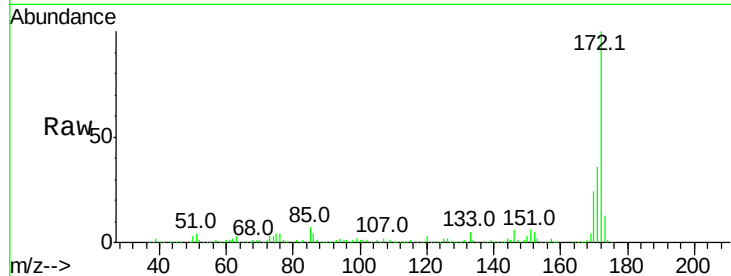
#44
2-Fluorobiphenyl
Concen: 96.939 ng
RT: 9.01 min Scan# 1177
Delta R.T. -0.02 min
Lab File: BF098549.D
Acq: 15 Sep 2017 1:11

Instrument :
BNA_F
ClientSampleId :
G-8A-2

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.6	44.4
170	23.8	19.8	29.8

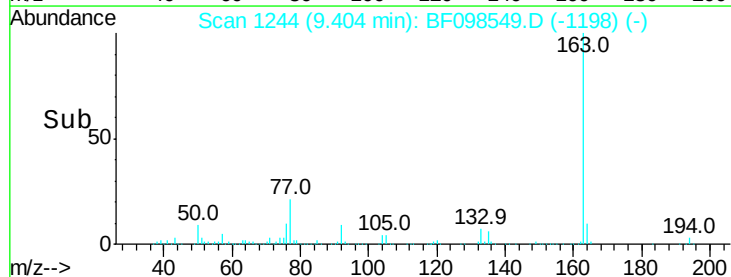
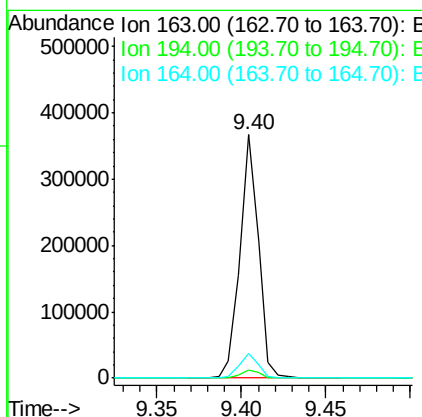
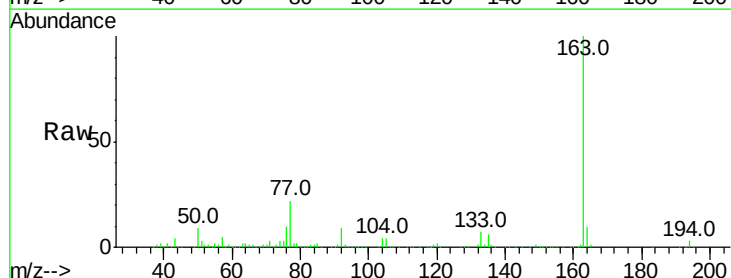
Manual Integrations
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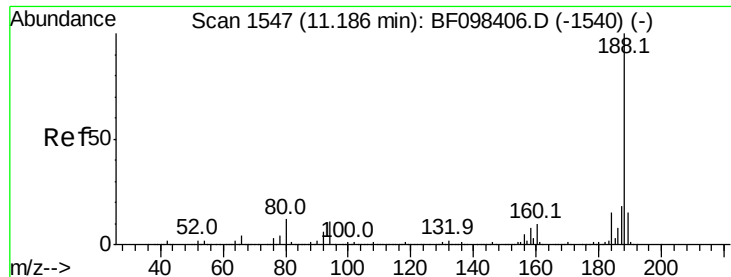
Sohil
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#49
Dimethylphthalate
Concen: 13.947 ng
RT: 9.40 min Scan# 1244
Delta R.T. -0.03 min
Lab File: BF098549.D
Acq: 15 Sep 2017 1:11

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.6	4.0
164	10.0	8.4	12.6





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.16 min Scan# 1543

Delta R.T. -0.02 min

Lab File: BF098549.D

Acq: 15 Sep 2017 1:11

Instrument :

BNA_F

ClientSampled :

G-8A-2

Tot Ion:188 Resp: 413458

Ion Ratio Lower Upper

188 100

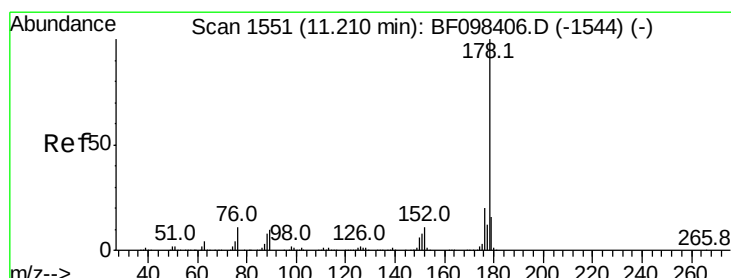
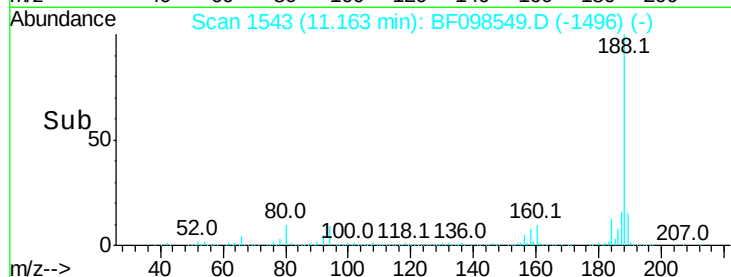
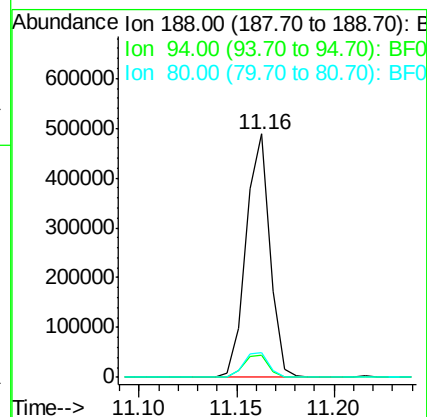
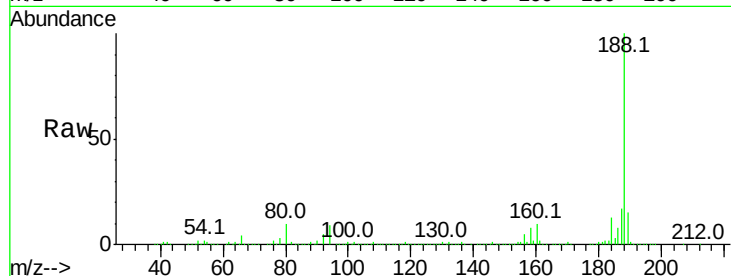
94 9.2 9.4 14.2#

80 10.2 10.2 15.2

Manual Integrations
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#70

Phenanthrene

Concen: 7.143 ng

RT: 11.19 min Scan# 1547

Delta R.T. -0.02 min

Lab File: BF098549.D

Acq: 15 Sep 2017 1:11

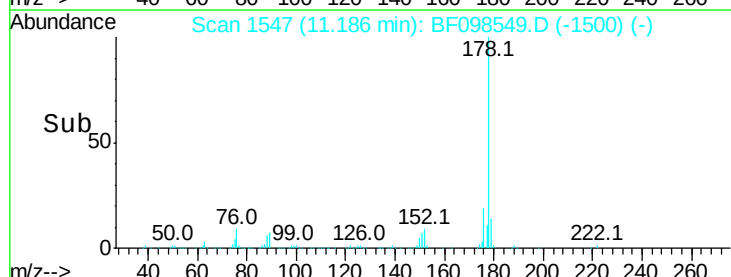
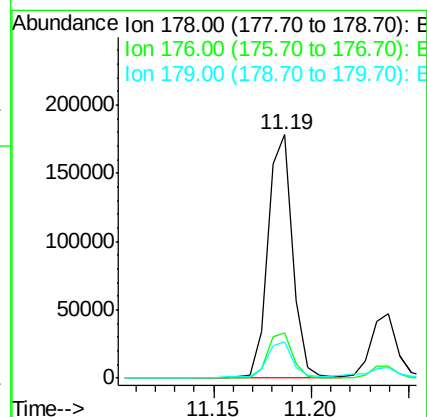
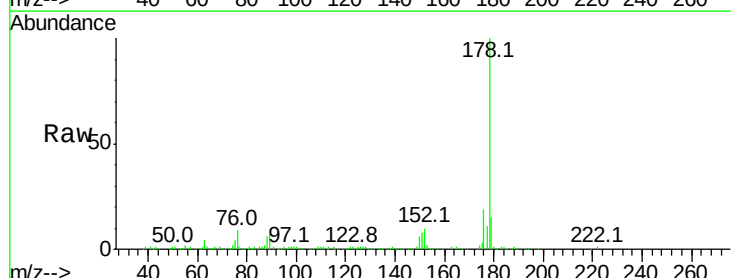
Tgt Ion:178 Resp: 156575

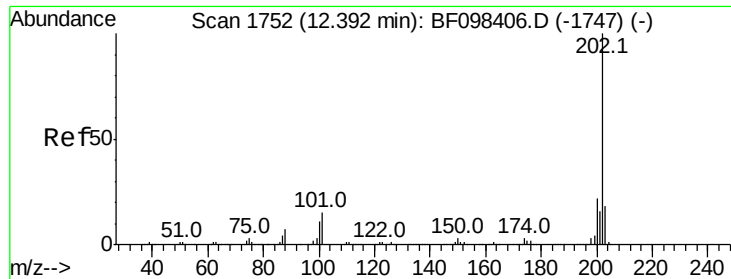
Ion Ratio Lower Upper

178 100

176 18.6 16.2 24.4

179 14.6 12.6 19.0





#74

Fluoranthene

Concen: 9.349 ng

RT: 12.37 min Scan# 1748

Delta R.T. -0.02 min

Lab File: BF098549.D

Acq: 15 Sep 2017 1:11

Instrument :

BNA_F

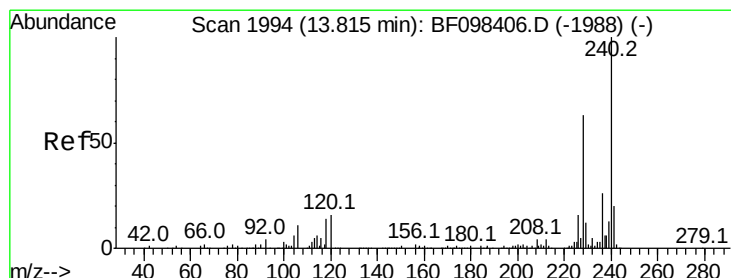
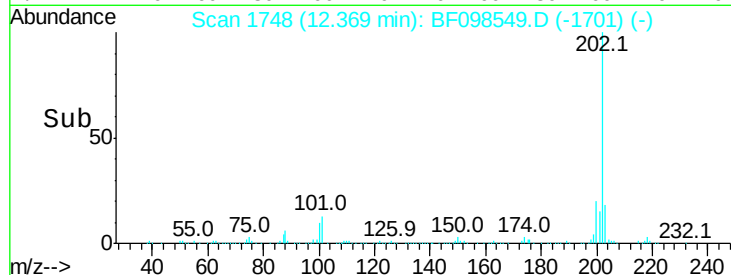
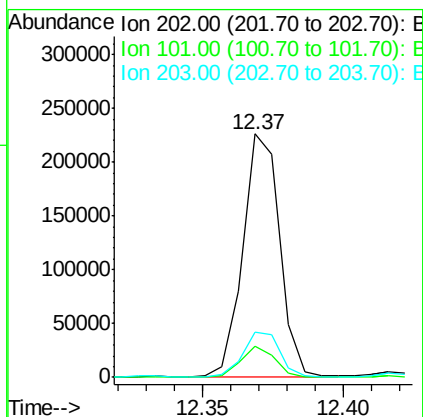
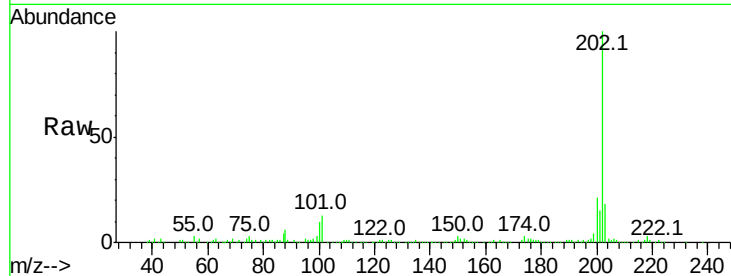
ClientSampleId :

G-8A-2

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.7	0.0	33.2
203	18.3	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

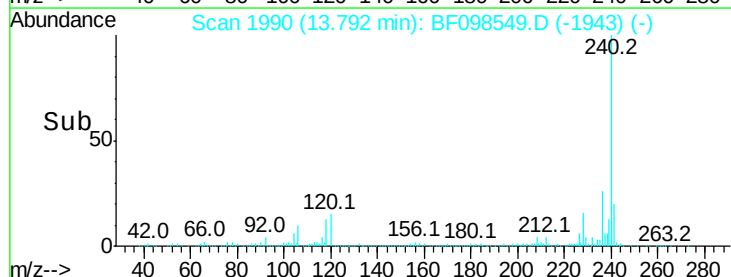
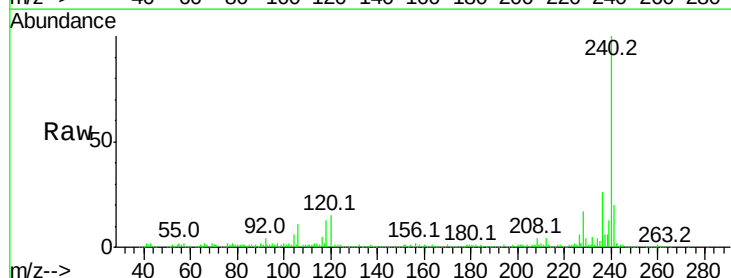
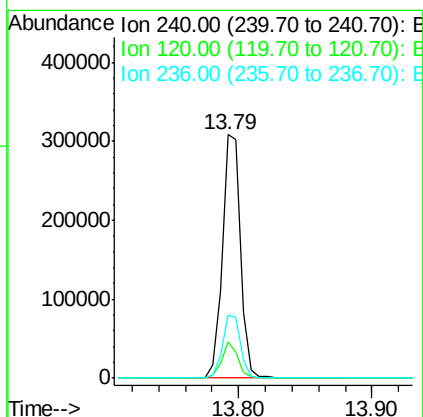
RT: 13.79 min Scan# 1990

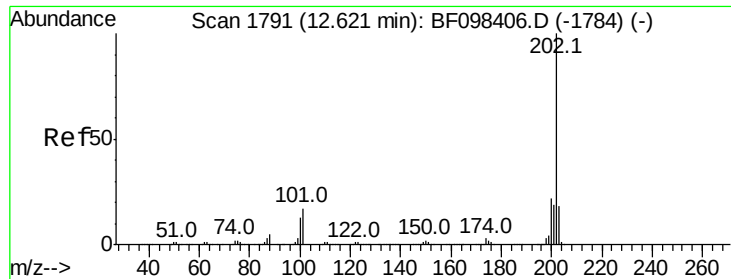
Delta R.T. -0.02 min

Lab File: BF098549.D

Acq: 15 Sep 2017 1:11

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	15.0	5.8	8.8#
236	25.9	20.5	30.7





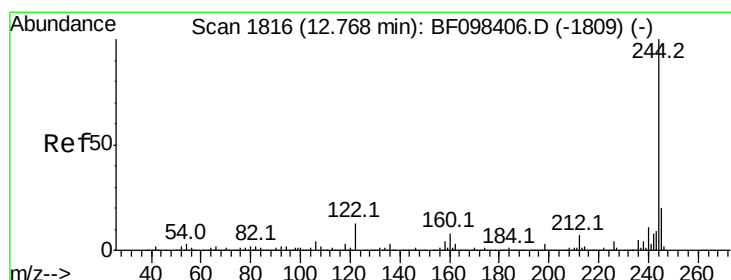
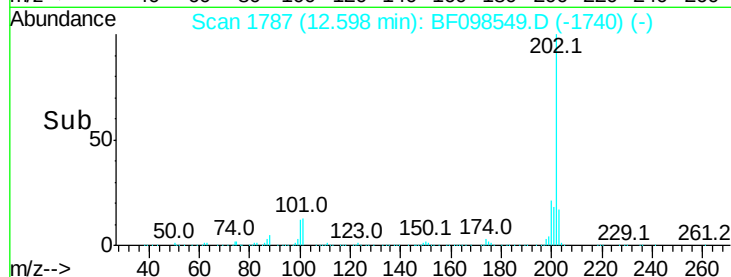
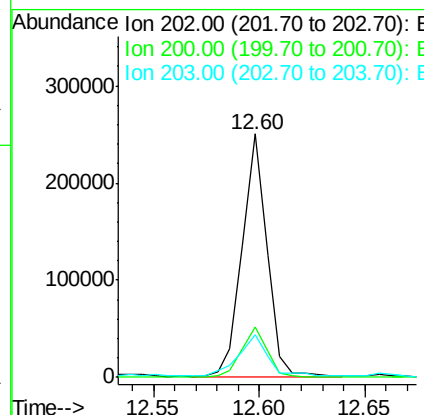
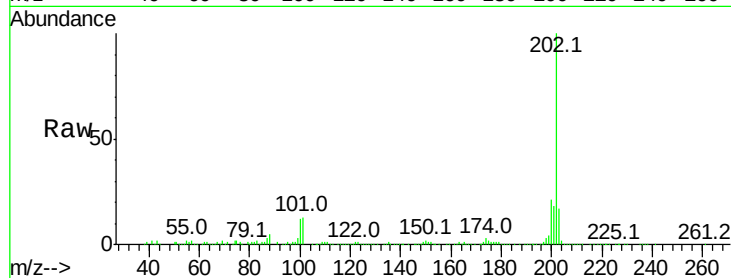
#77
Pvrene
Concen: 8.663 ng
RT: 12.60 min Scan# 1787
Delta R.T. -0.02 min
Lab File: BF098549.D
Acq: 15 Sep 2017 1:11

Instrument :
BNA_F
ClientSampleId :
G-8A-2

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.8	17.6	26.4
203	17.4	14.4	21.6

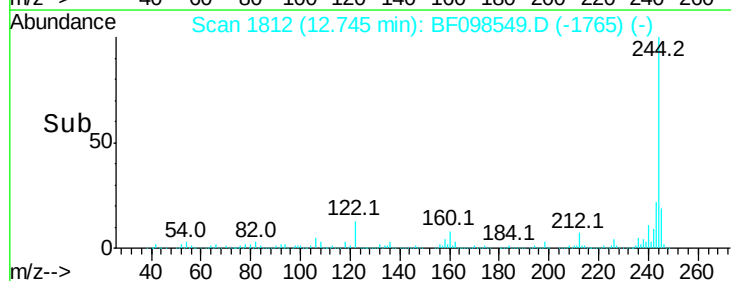
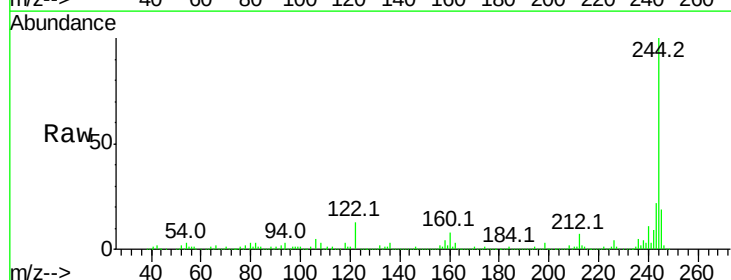
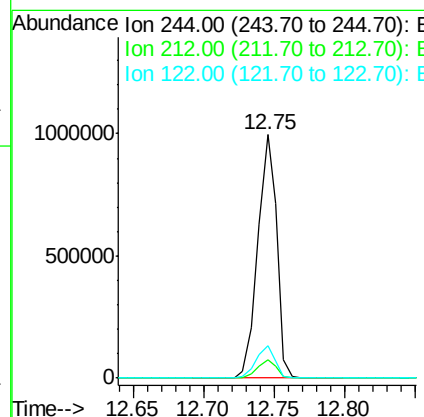
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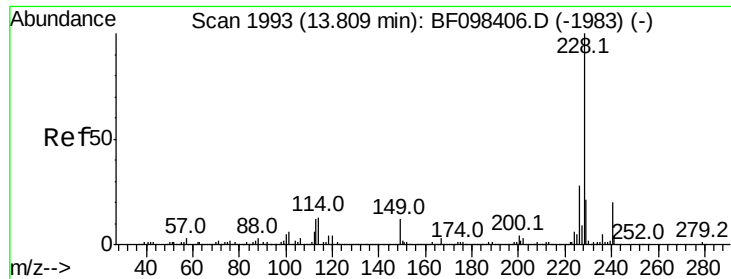
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#78
Terphenyl-d14
Concen: 68.740 ng
RT: 12.75 min Scan# 1812
Delta R.T. -0.02 min
Lab File: BF098549.D
Acq: 15 Sep 2017 1:11

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.3	6.0	9.0
122	13.3	10.3	15.5





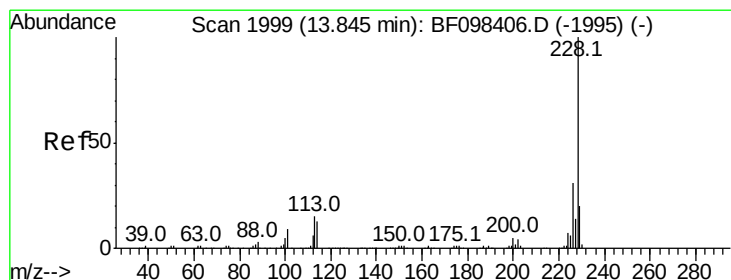
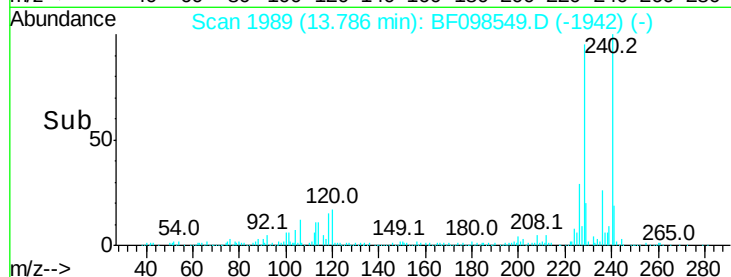
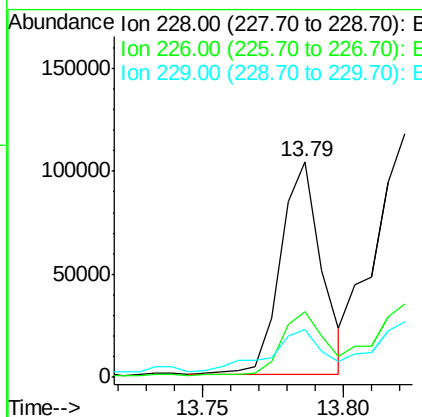
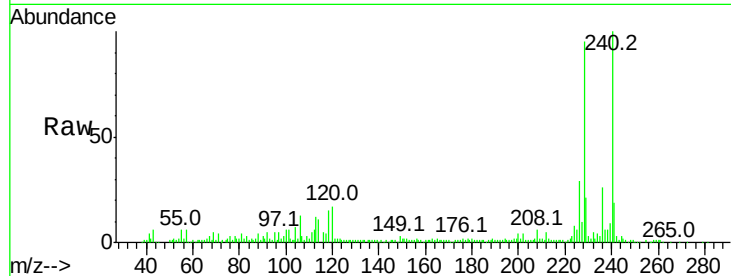
#80
Benzo(a)anthracene
Concen: 5.961 ng
RT: 13.79 min Scan# 1989
Delta R.T. -0.02 min
Lab File: BF098549.D
Acq: 15 Sep 2017 1:11

Instrument :
BNA_F
ClientSampled :
G-8A-2

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.7	22.6	33.8
229	22.1	16.3	24.5

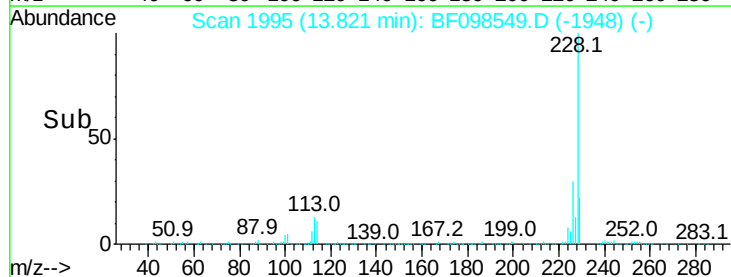
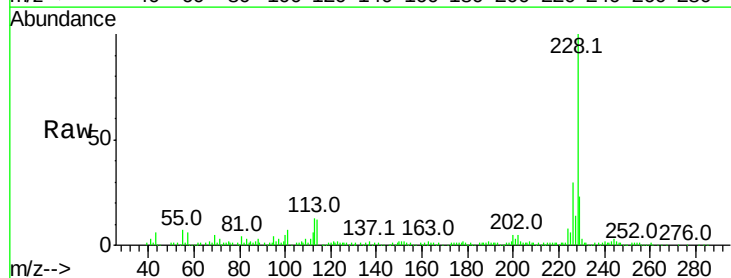
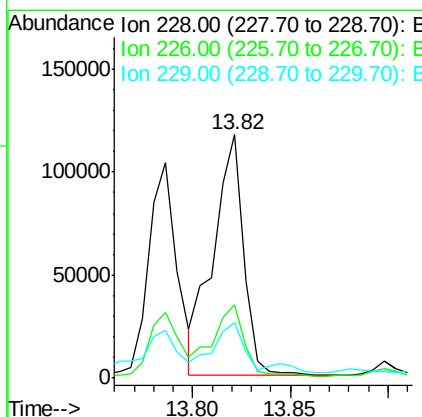
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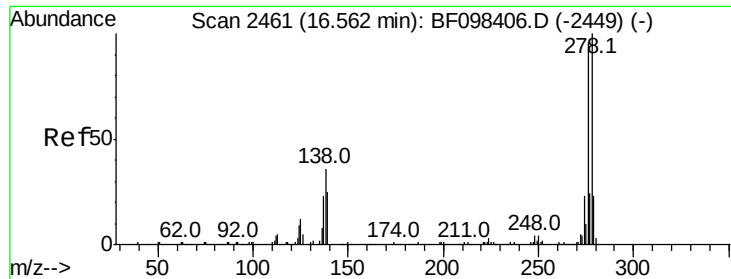
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#82
Chrysene
Concen: 7.217 ng
RT: 13.82 min Scan# 1995
Delta R.T. -0.02 min
Lab File: BF098549.D
Acq: 15 Sep 2017 1:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.9	37.3
229	23.0	15.8	23.6





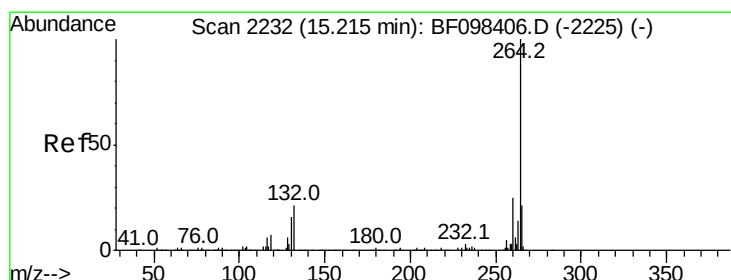
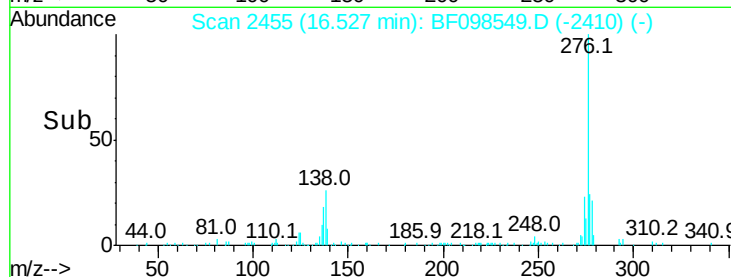
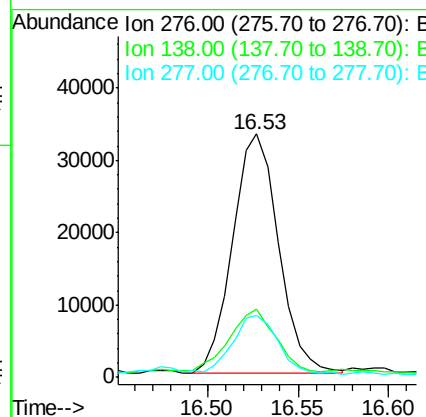
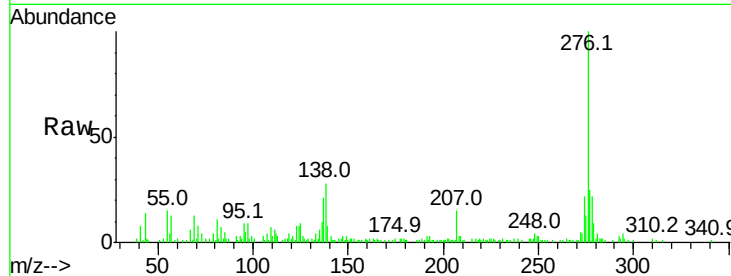
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.738 ng
 RT: 16.53 min Scan# 2455
 Delta R.T. -0.04 min
 Lab File: BF098549.D
 Acq: 15 Sep 2017 1:11

Instrument :
 BNA_F
 ClientSampled :
 G-8A-2

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.6	27.8	41.6#
277	23.9	20.2	30.4

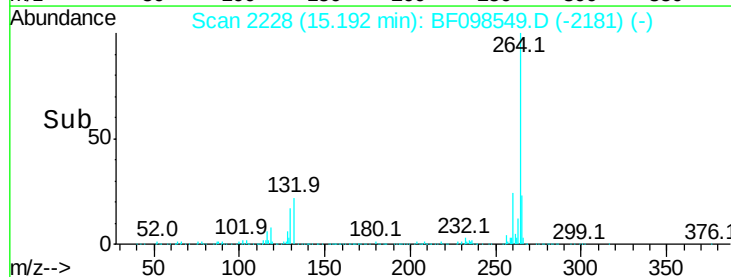
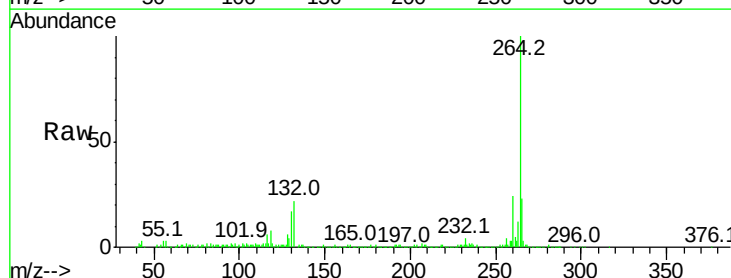
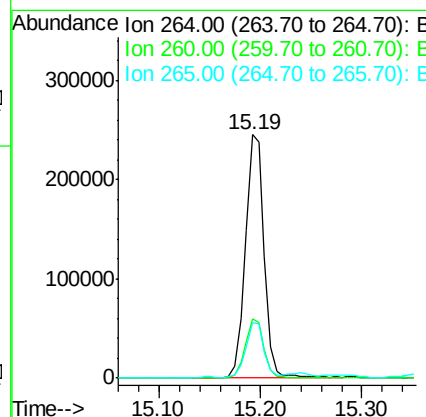
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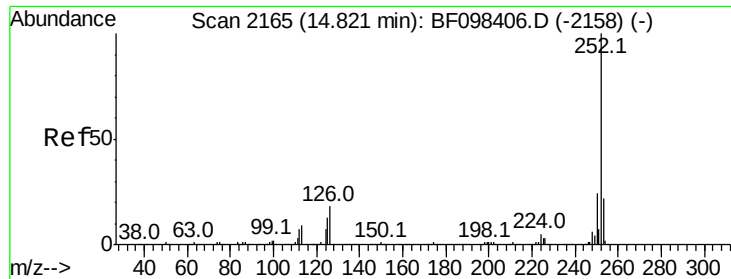
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.19 min Scan# 2228
 Delta R.T. -0.02 min
 Lab File: BF098549.D
 Acq: 15 Sep 2017 1:11

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.5	29.3
265	22.7	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 8.899 ng m

RT: 14.80 min Scan# 2162

Delta R.T. -0.02 min

Lab File: BF098549.D

Acq: 15 Sep 2017 1:11

Instrument :

BNA_F

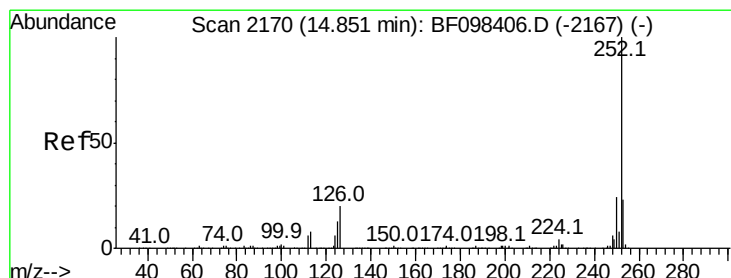
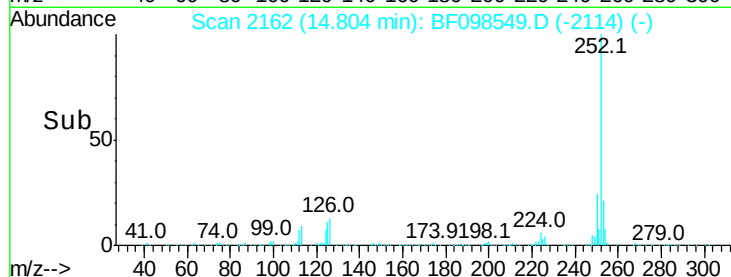
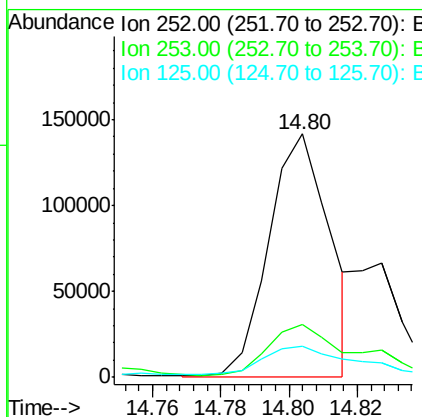
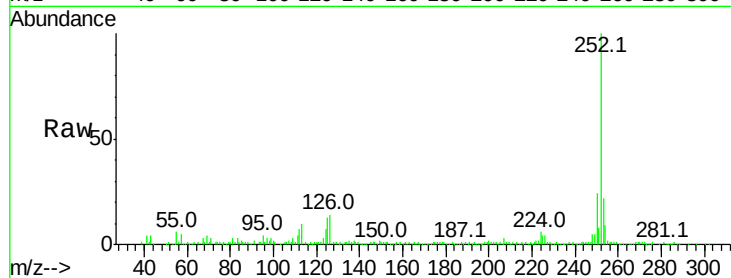
ClientSampled :

G-8A-2

Tot Ion:	252	Resp:	175089
Ion Ratio	Lower	Upper	
252	100		
253	21.8	18.1	27.1
125	12.8	9.8	14.8

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#88

Benzo(k)fluoranthene

Concen: 3.247 ng m

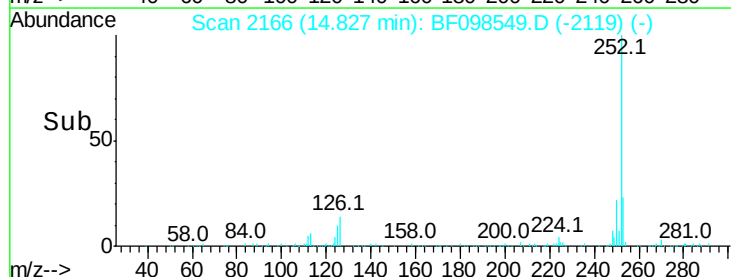
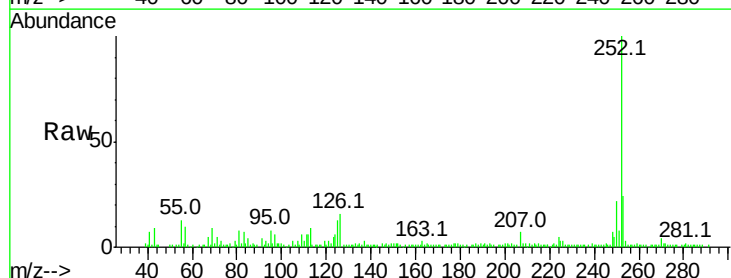
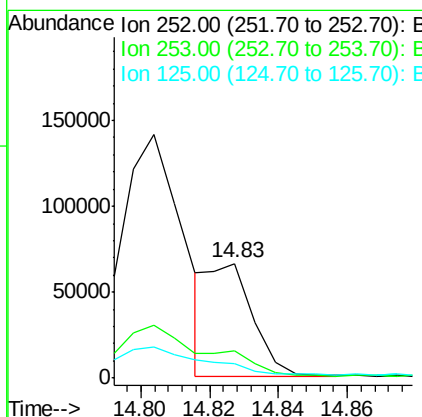
RT: 14.83 min Scan# 2166

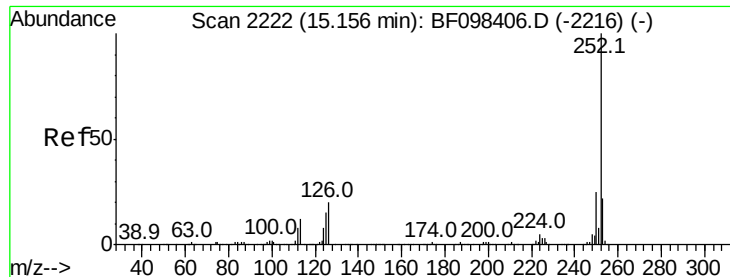
Delta R.T. -0.02 min

Lab File: BF098549.D

Acq: 15 Sep 2017 1:11

Tgt Ion:	252	Resp:	59633
Ion Ratio	Lower	Upper	
252	100		
253	23.6	18.4	27.6
125	12.6	13.1	19.7#





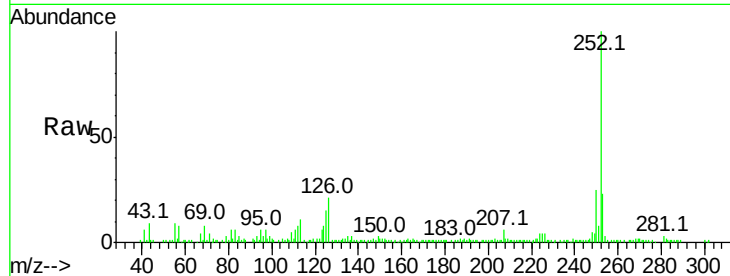
#89
Benzo(a)pyrene
Concen: 5.218 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.02 min
Lab File: BF098549.D
Acq: 15 Sep 2017 1:11

Instrument :
BNA_F
ClientSampleId :
G-8A-2

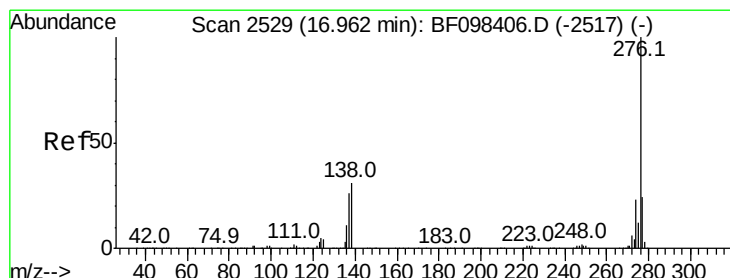
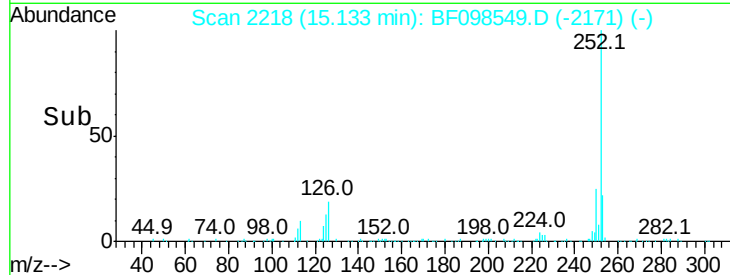
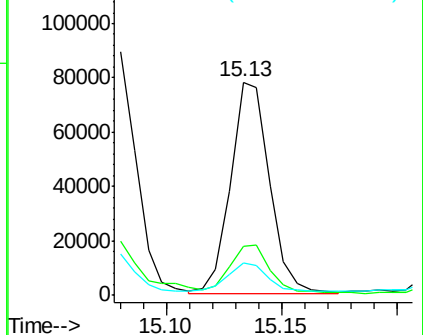
Tot Ion:	252	Resp:	91456
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.5	26.3
125	15.3	11.0	16.4

Manual Integrations
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 3.989 ng
RT: 16.93 min Scan# 2523
Delta R.T. -0.04 min
Lab File: BF098549.D
Acq: 15 Sep 2017 1:11

Tgt Ion:	276	Resp:	51156
Ion Ratio	Lower	Upper	
276	100		
277	25.4	18.6	28.0
138	30.5	25.4	38.0

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

