

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091417\
 Data File : BF098530.D
 Acq On : 14 Sep 2017 15:40
 Operator : SJ/JU
 Sample : I5159-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G-9A-2

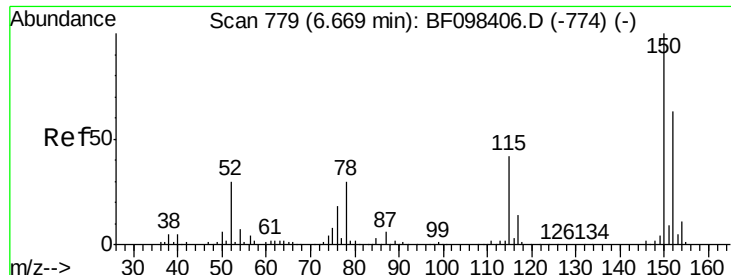
Manual Integrations
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Sohil
 9/15/2017 5:43:40 PM

Quant Time: Sep 14 18:05:55 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 14 17:58:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	134052	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	552079	20.00	ng	0.00
38) Acenaphthene-d10	9.68	164	244724	20.00	ng	0.00
63) Phenanthrene-d10	11.16	188	389827	20.00	ng	0.00
75) Chrysene-d12	13.80	240	249408	20.00	ng	0.00
86) Perylene-d12	15.19	264	289590	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	1129088	124.53	ng	0.00
7) Phenol-d6	6.30	99	1376674	119.59	ng	0.00
23) Nitrobenzene-d5	7.22	82	848505	85.68	ng	0.00
41) 2,4,6-Tribromophenol	10.47	330	219038	134.10	ng	0.00
44) 2-Fluorobiphenyl	9.01	172	1328742	92.03	ng	0.00
78) Terphenyl-d14	12.74	244	785816	68.01	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.31	94	39054	2.921	ng	78
31) Naphthalene	7.95	128	93530	3.427	ng	99
37) 2-Methylnaphthalene	8.65	142	51632	3.123	ng	97
48) Acenaphthylene	9.54	152	153928	6.618	ng	98
49) Dimethylphthalate	9.40	163	207485	10.953	ng	99
70) Phenanthrene	11.19	178	193776	9.377	ng	98
71) Anthracene	11.23	178	76159	3.589	ng	97
74) Fluoranthene	12.37	202	356735	17.243	ng	98
77) Pyrene	12.60	202	386553	19.647	ng	98
80) Benzo(a)anthracene	13.79	228	229978m	15.728	ng	
82) Chrysene	13.82	228	280617	18.985	ng	97
85) Indeno(1,2,3-cd)pyrene	16.53	276	181057	17.460	ng	91
87) Benzo(b)fluoranthene	14.80	252	437026m	24.001	ng	
88) Benzo(k)fluoranthene	14.83	252	94604m	5.565	ng	
89) Benzo(a)pyrene	15.14	252	249030	15.351	ng	97
90) Dibenzo(a,h)anthracene	16.53	278	48789m	4.134	ng	
91) Benzo(g,h,i)perylene	16.93	276	164532	13.862	ng	96

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



#1

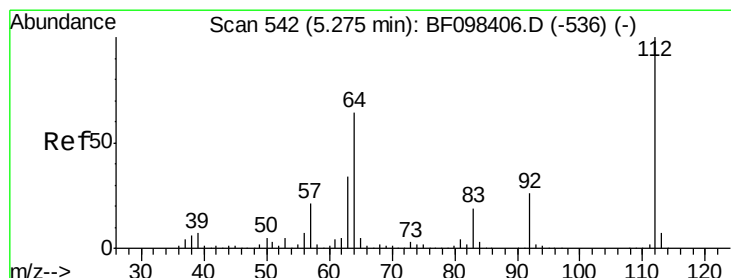
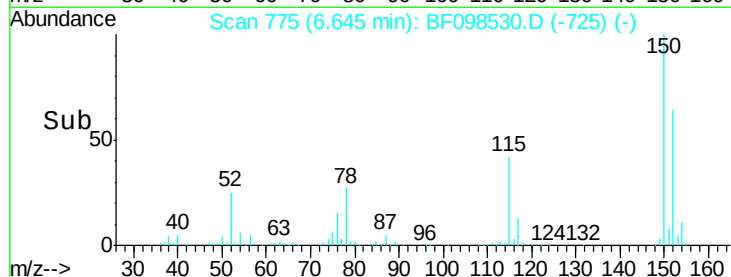
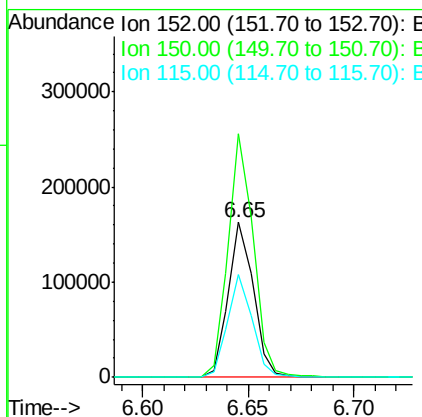
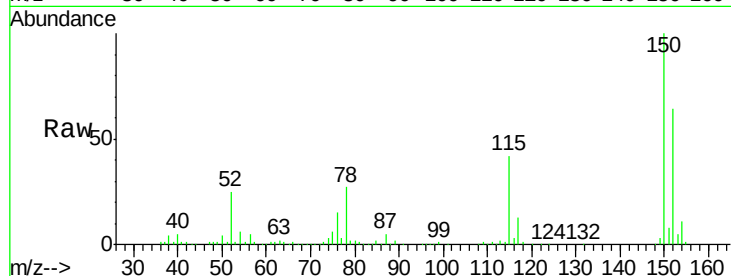
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.65 min Scan# 775
Delta R.T. -0.01 min
Lab File: BF098530.D
Acq: 14 Sep 2017 15:40

Instrument :
BNA_F
ClientSampled :
G-9A-2

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.9	126.2	189.2
115	66.3	52.2	78.2

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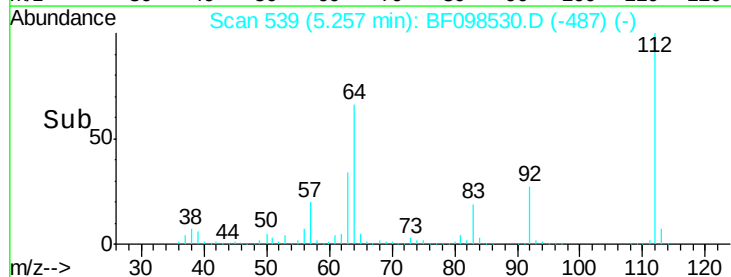
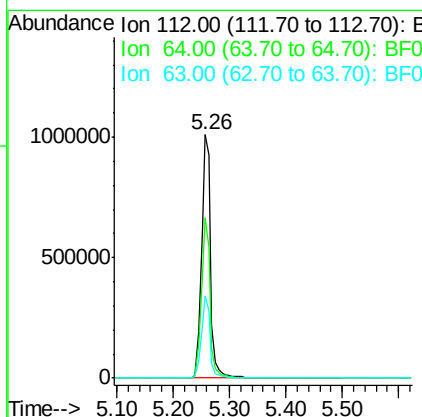
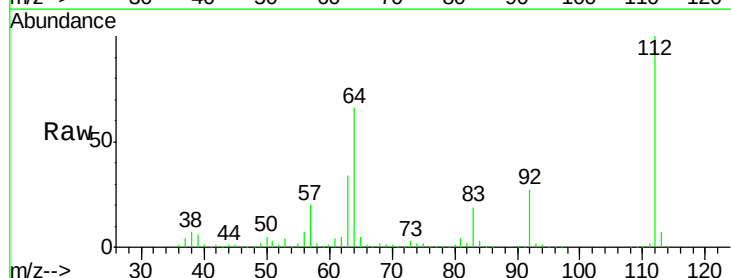
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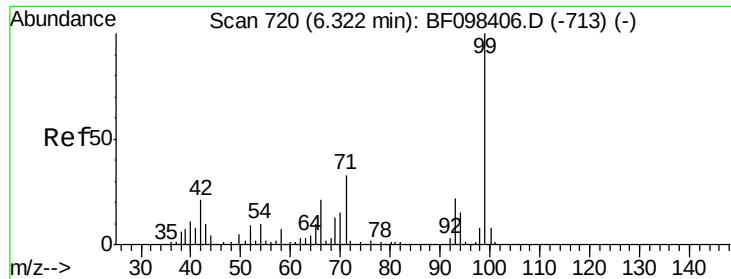


#5

2-Fluorophenol
Concen: 124.533 ng
RT: 5.26 min Scan# 539
Delta R.T. 0.01 min
Lab File: BF098530.D
Acq: 14 Sep 2017 15:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.0	46.0	69.0
63	33.7	23.4	35.0





#7

Phenol-d6

Concen: 119.591 ng

RT: 6.30 min Scan# 717

Delta R.T. 0.00 min

Lab File: BF098530.D

Acq: 14 Sep 2017 15:40

Instrument :

BNA_F

ClientSampled :

G-9A-2

Tgt Ion: 99 Resp: 1376674

Ion Ratio Lower Upper

99 100

42 17.6 13.5 20.3

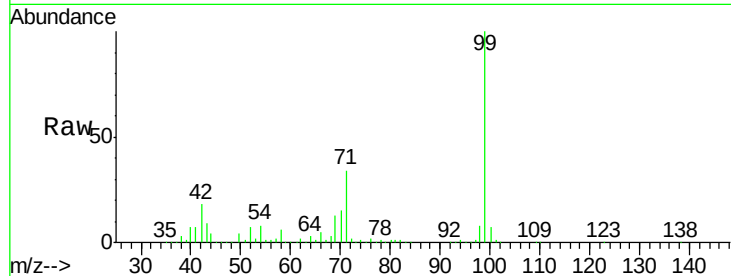
71 33.8 24.5 36.7

Manual Integrations

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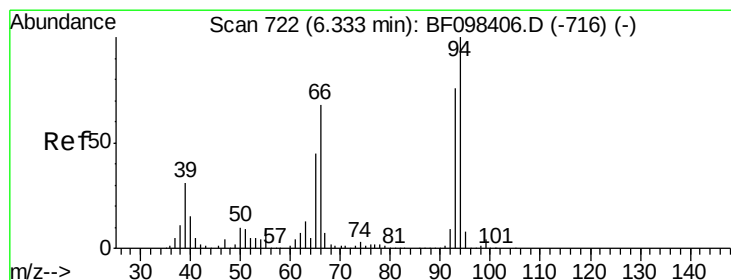
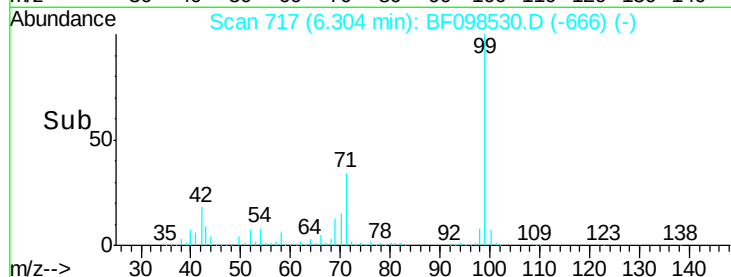
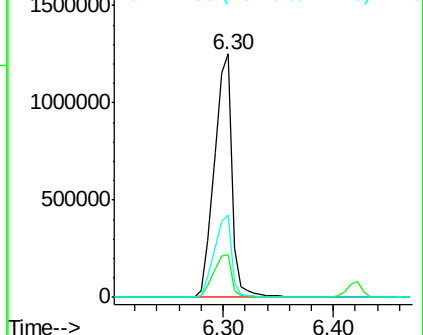
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.921 ng

RT: 6.31 min Scan# 718

Delta R.T. -0.01 min

Lab File: BF098530.D

Acq: 14 Sep 2017 15:40

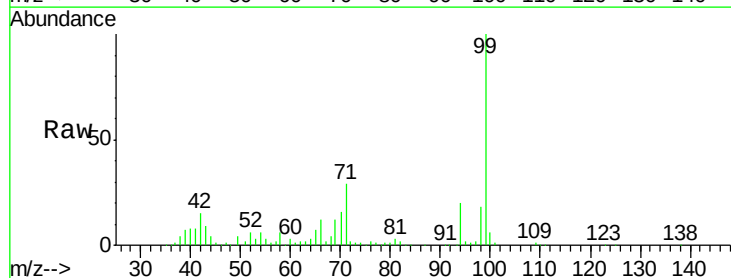
Tgt Ion: 94 Resp: 39054

Ion Ratio Lower Upper

94 100

65 37.5 9.9 49.9

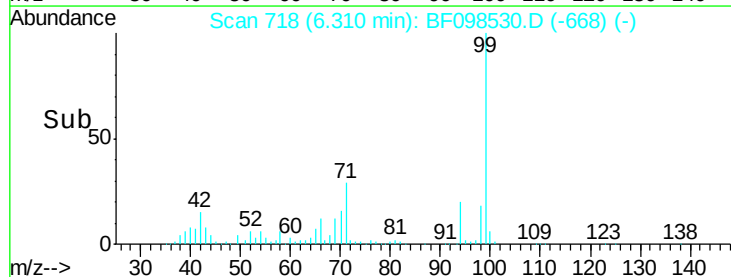
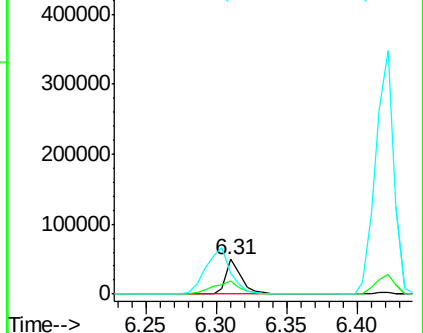
66 60.4 23.1 63.1

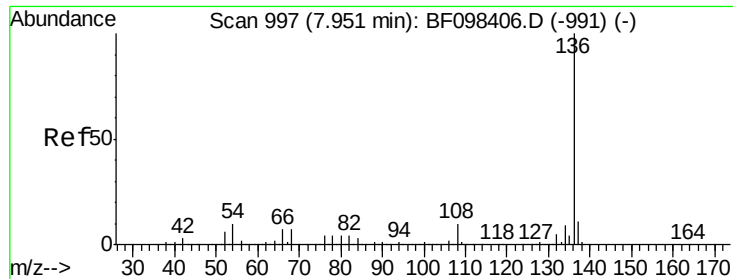


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





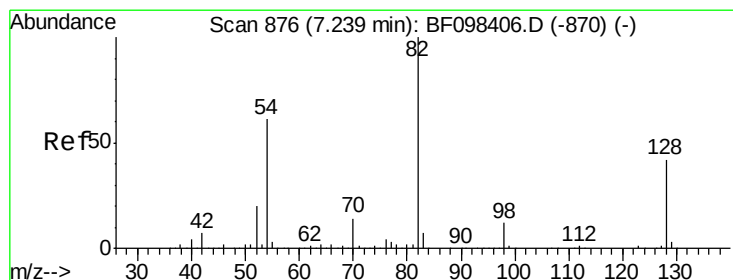
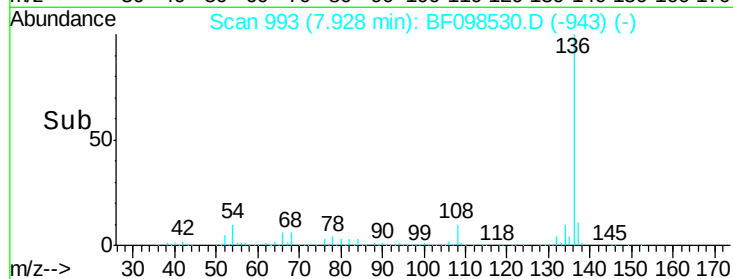
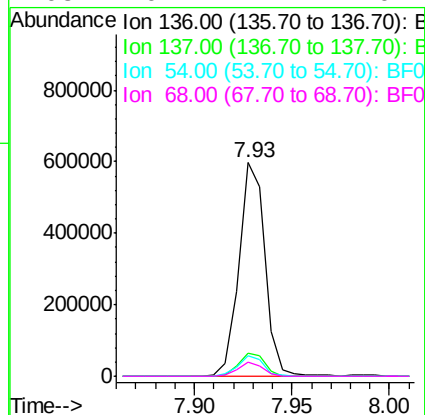
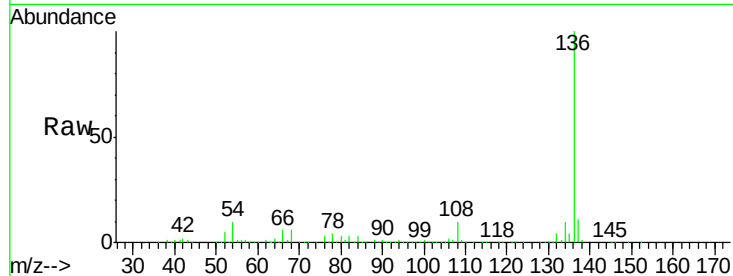
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.93 min Scan# 993
Delta R.T. -0.01 min
Lab File: BF098530.D
Acq: 14 Sep 2017 15:40

Instrument :
BNA_F
ClientSampleId :
G-9A-2

Tgt Ion	Ratio	Resp Lower	Upper
136	100		
137	10.7	8.5	12.7
54	9.6	4.9	7.3#
68	6.4	4.1	6.1#

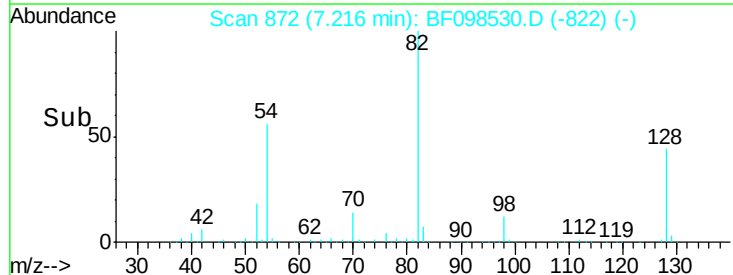
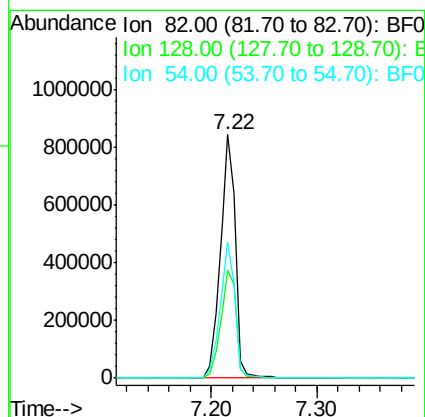
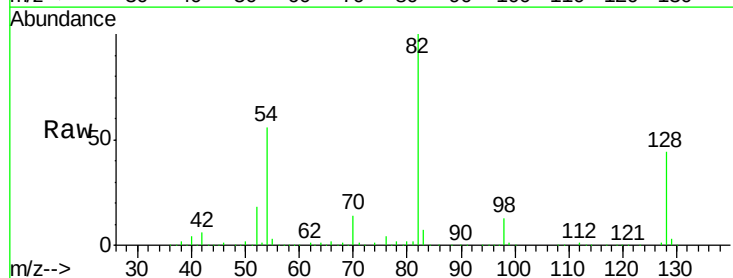
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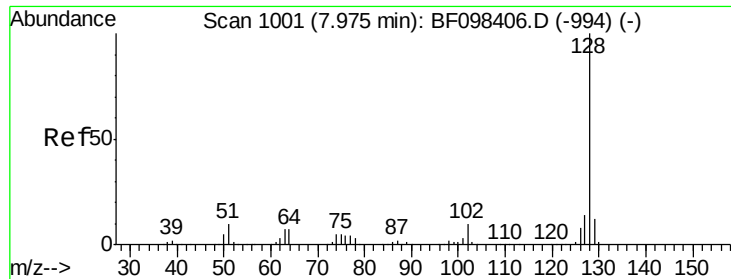
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#23
Nitrobenzene-d5
Concen: 85.683 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.01 min
Lab File: BF098530.D
Acq: 14 Sep 2017 15:40

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	44.4	34.0	51.0
54	55.6	42.2	63.2





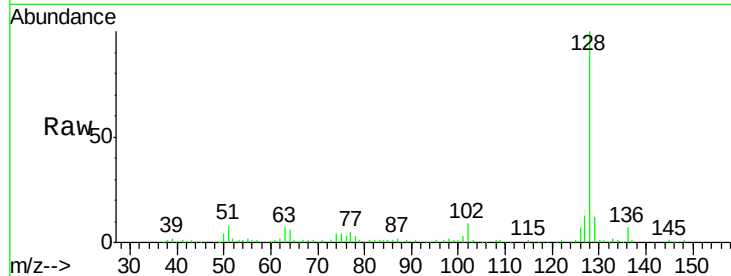
#31
Naphthalene
Concen: 3.427 ng
RT: 7.95 min Scan# 997
Delta R.T. -0.01 min
Lab File: BF098530.D
Acq: 14 Sep 2017 15:40

Instrument :
BNA_F
ClientSampled :
G-9A-2

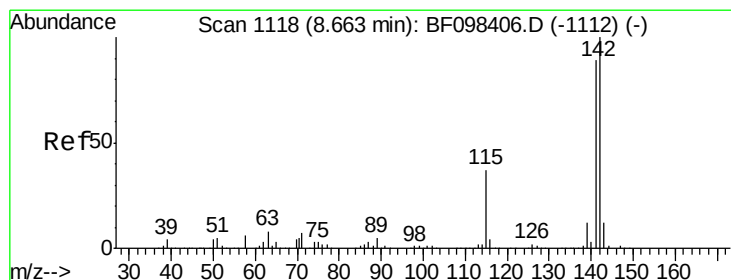
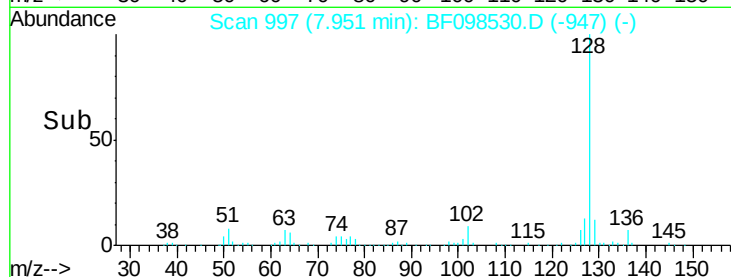
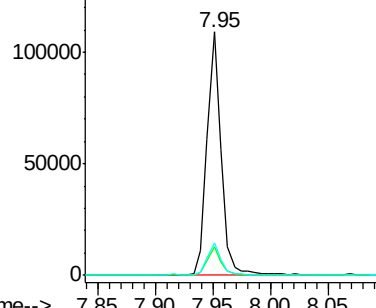
Tgt Ion	Ratio	Resp	Lower	Upper
128	100	93530		
129	11.6	9.0	13.6	
127	13.1	10.8	16.2	

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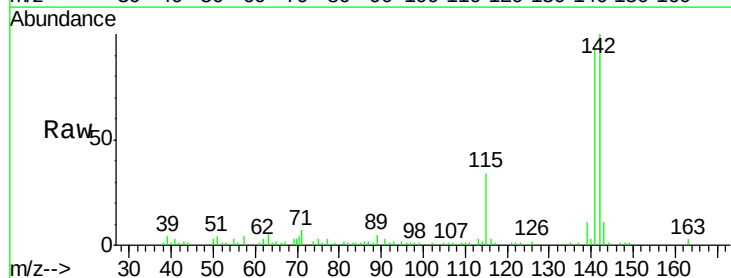


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

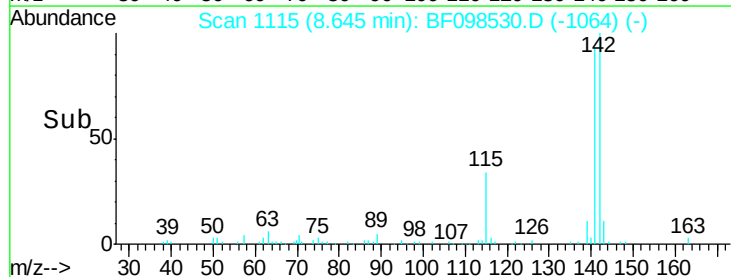
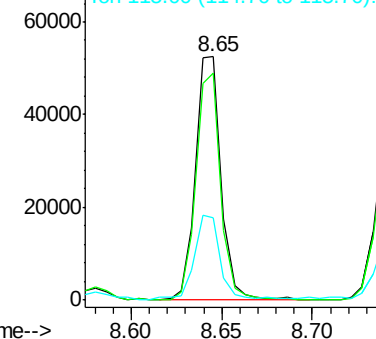


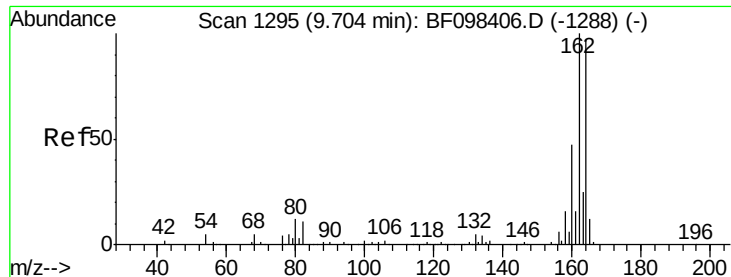
#37
2-Methylnaphthalene
Concen: 3.123 ng
RT: 8.65 min Scan# 1115
Delta R.T. 0.00 min
Lab File: BF098530.D
Acq: 14 Sep 2017 15:40

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	51632		
141	93.4	71.3	106.9	
115	33.6	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





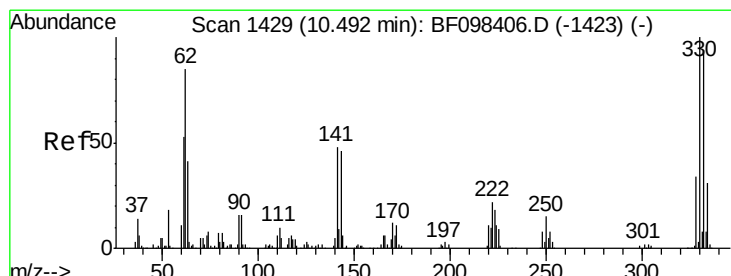
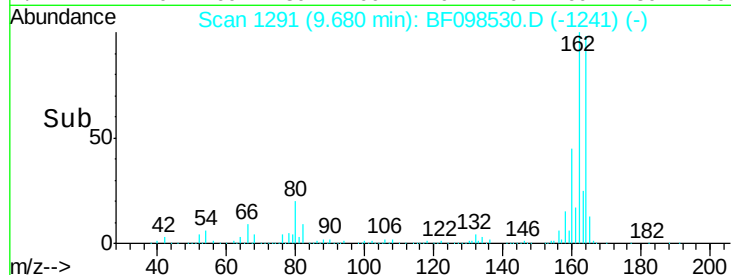
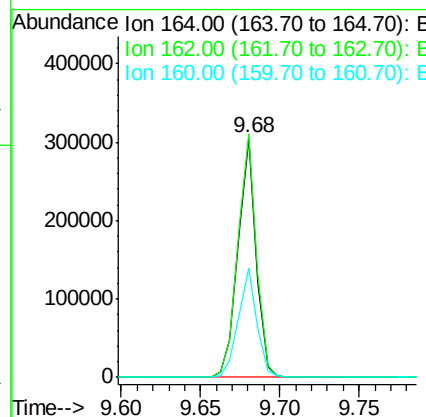
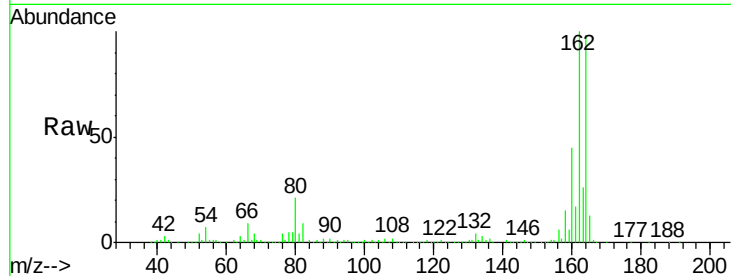
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.68 min Scan# 1291
 Delta R.T. -0.01 min
 Lab File: BF098530.D
 Acq: 14 Sep 2017 15:40

Instrument :
 BNA_F
 ClientSampled :
 G-9A-2

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	244724		
162	102.0	82.6	123.8	
160	45.9	36.2	54.2	

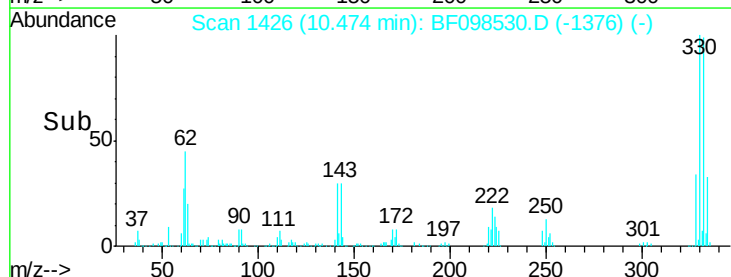
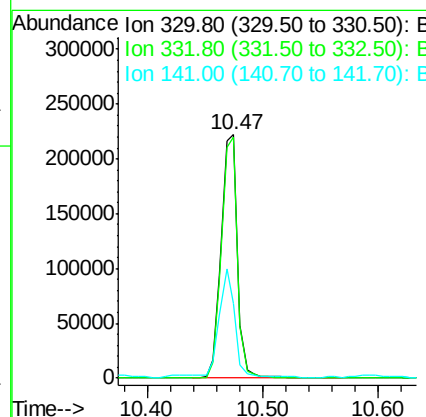
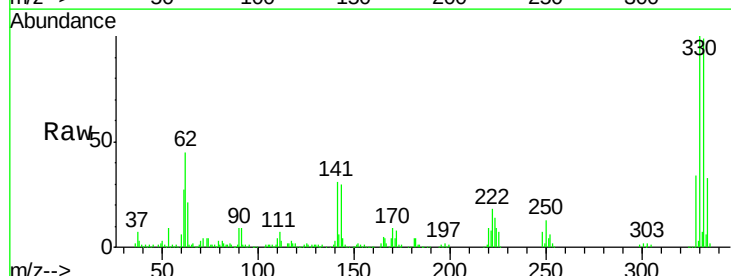
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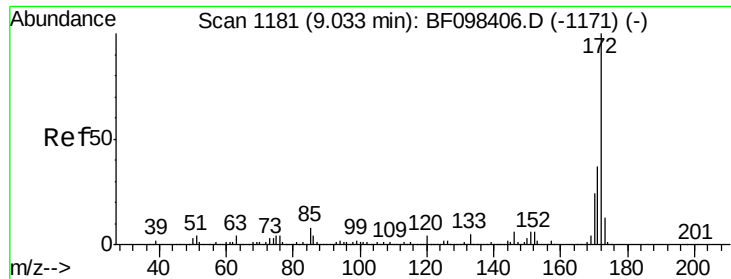
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#41
 2,4,6-Tribromophenol
 Concen: 134.105 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. -0.01 min
 Lab File: BF098530.D
 Acq: 14 Sep 2017 15:40

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	219038		
332	96.4	76.6	115.0	
141	44.4	31.4	47.2	





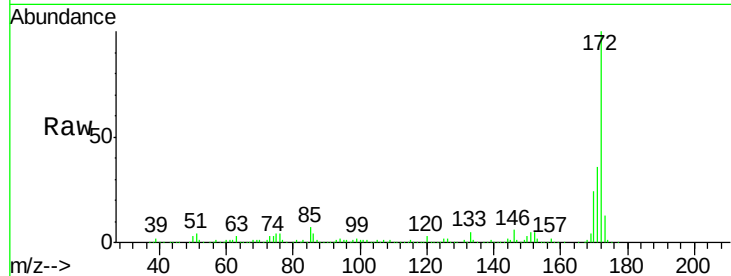
#44
2-Fluorobiphenyl
Concen: 92.026 ng
RT: 9.01 min Scan# 1177
Delta R.T. -0.01 min
Lab File: BF098530.D
Acq: 14 Sep 2017 15:40

Instrument :
BNA_F
ClientSampleId :
G-9A-2

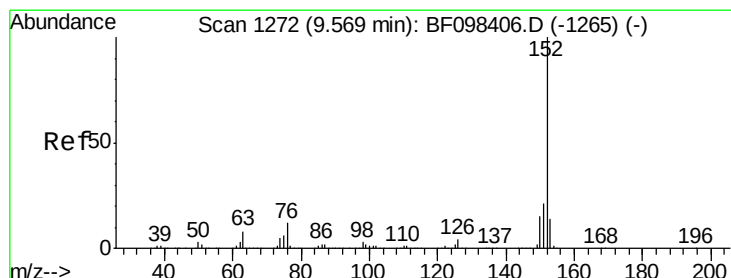
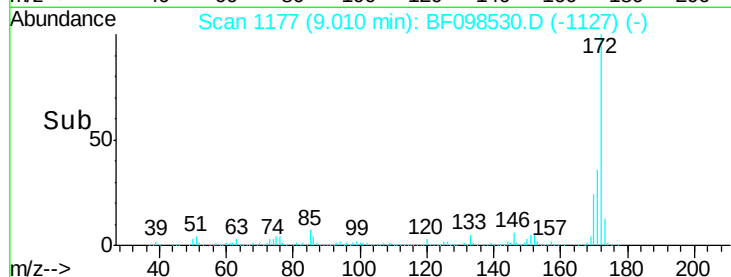
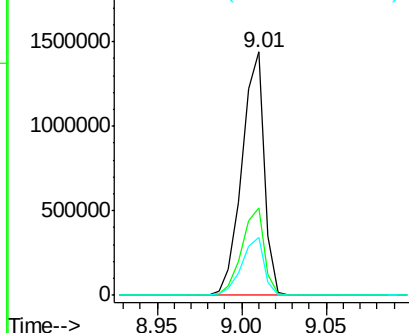
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.6	44.4
170	23.7	19.8	29.8

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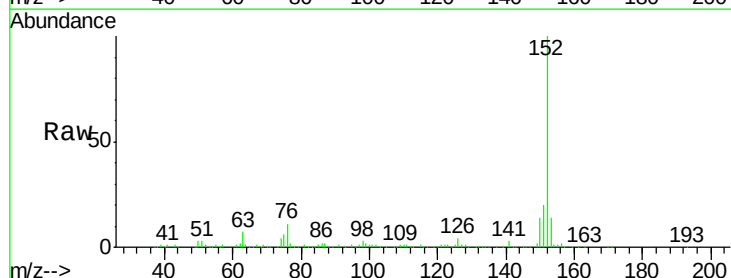


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

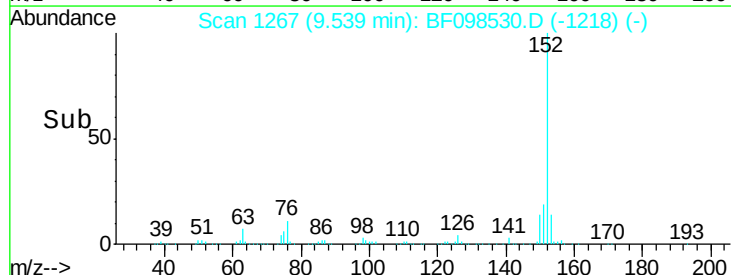
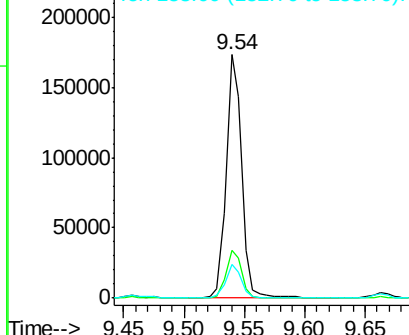


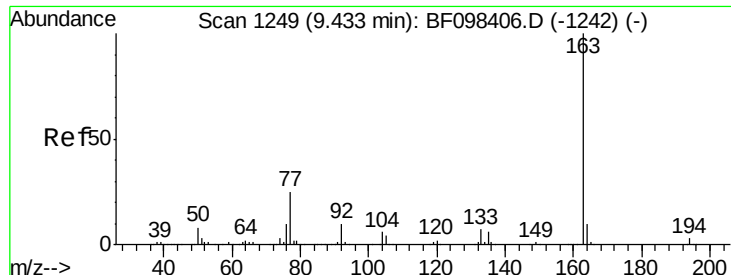
#48
Acenaphthylene
Concen: 6.618 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BF098530.D
Acq: 14 Sep 2017 15:40

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.8	25.2
153	14.0	10.8	16.2



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





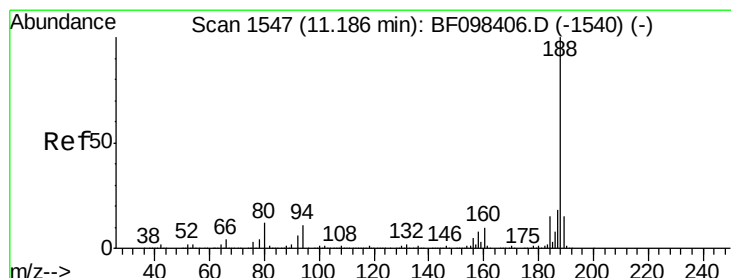
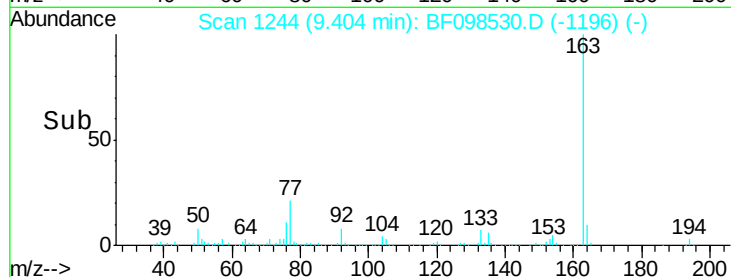
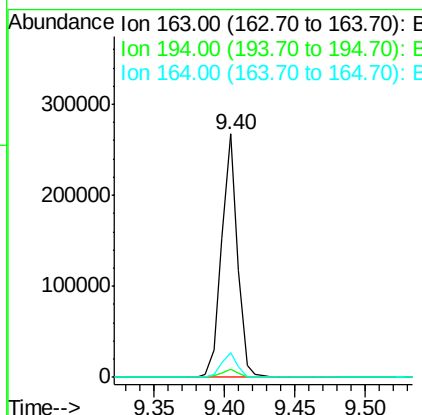
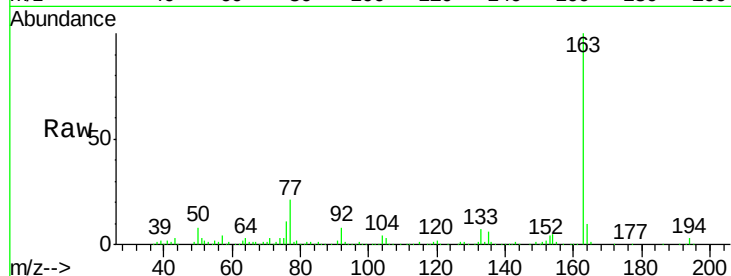
#49
Dimethylphthalate
Concen: 10.953 ng
RT: 9.40 min Scan# 1244
Delta R.T. -0.02 min
Lab File: BF098530.D
Acq: 14 Sep 2017 15:40

Instrument :
BNA_F
ClientSampleId :
G-9A-2

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	207485		
194	3.3		2.6	4.0
164	10.1		8.4	12.6

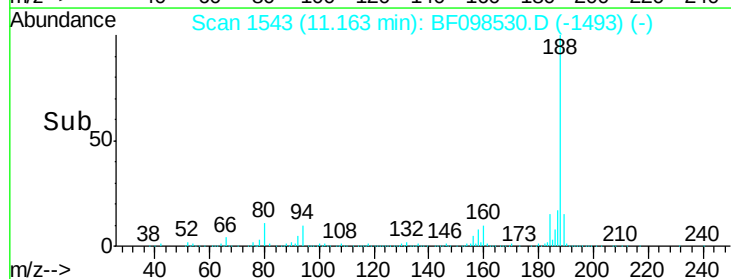
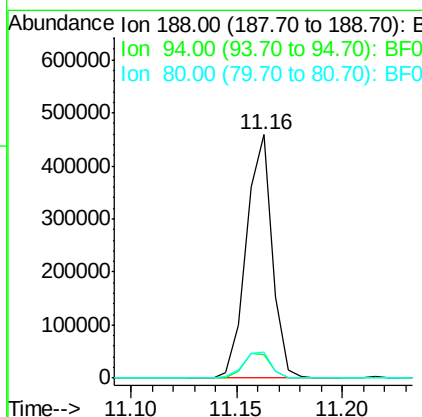
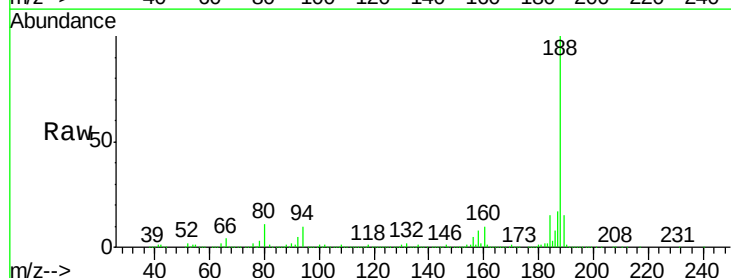
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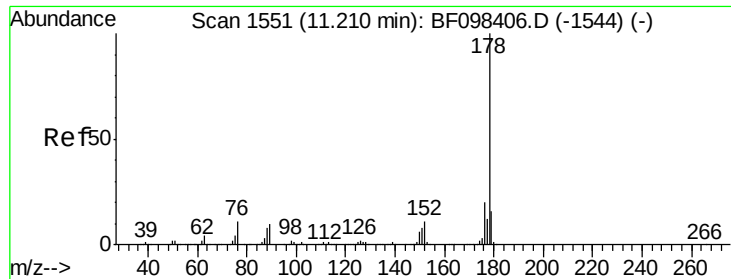
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.16 min Scan# 1543
Delta R.T. -0.01 min
Lab File: BF098530.D
Acq: 14 Sep 2017 15:40

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	389827		
94	9.8		9.4	14.2
80	10.7		10.2	15.2





#70

Phenanthrene

Concen: 9.377 ng

RT: 11.19 min Scan# 1547

Delta R.T. -0.01 min

Lab File: BF098530.D

Acq: 14 Sep 2017 15:40

Instrument :

BNA_F

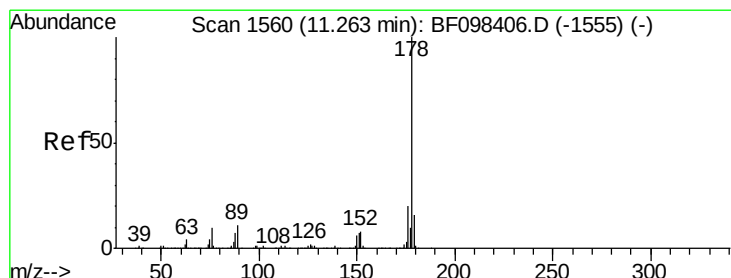
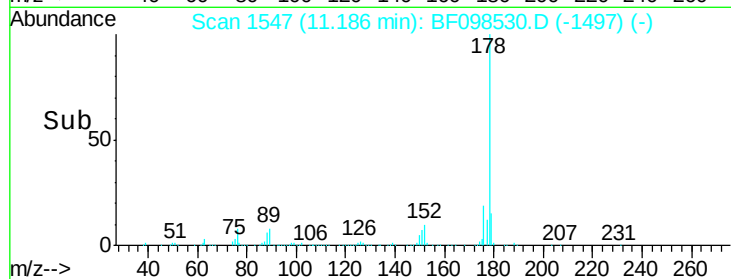
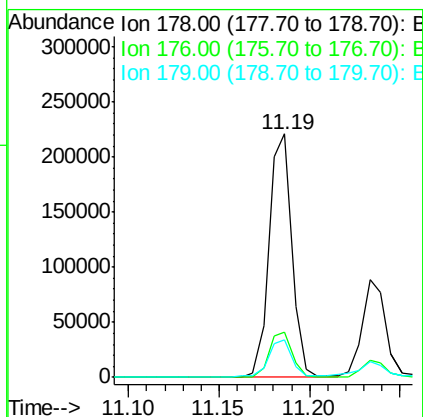
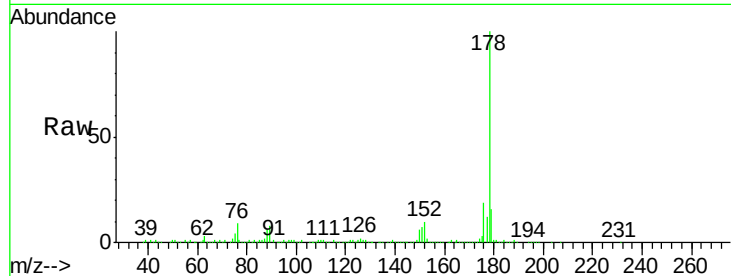
ClientSampled :

G-9A-2

Tgt Ion:	178	Resp:	193776
Ion Ratio	Lower	Upper	
178	100		
176	18.6	16.2	24.4
179	15.6	12.6	19.0

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9/15/2017 5:43:40 PM



#71

Anthracene

Concen: 3.589 ng

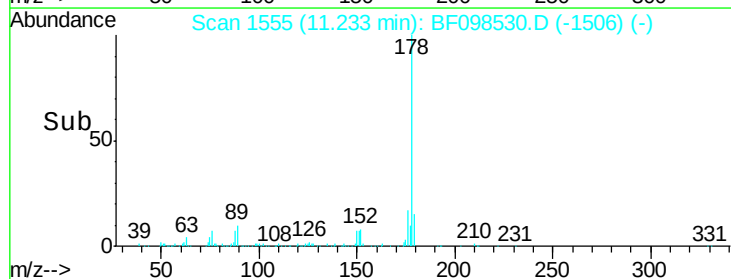
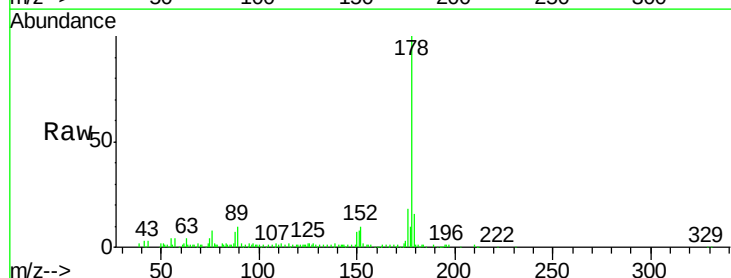
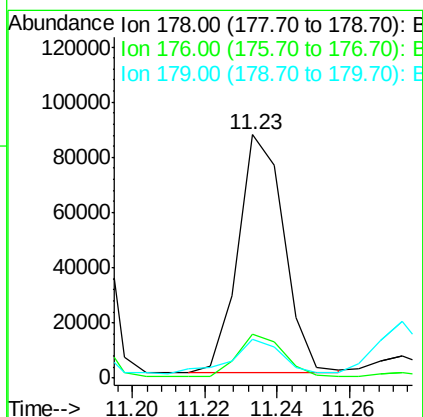
RT: 11.23 min Scan# 1555

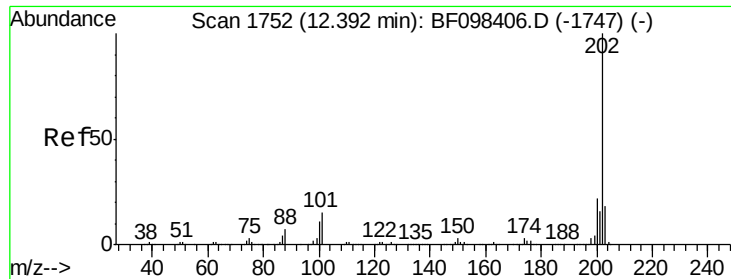
Delta R.T. -0.01 min

Lab File: BF098530.D

Acq: 14 Sep 2017 15:40

Tgt Ion:	178	Resp:	76159
Ion Ratio	Lower	Upper	
178	100		
176	17.8	15.8	23.8
179	15.7	12.7	19.1





#74

Fluoranthene

Concen: 17.243 ng

RT: 12.37 min Scan# 1748

Delta R.T. -0.01 min

Lab File: BF098530.D

Acq: 14 Sep 2017 15:40

Instrument :

BNA_F

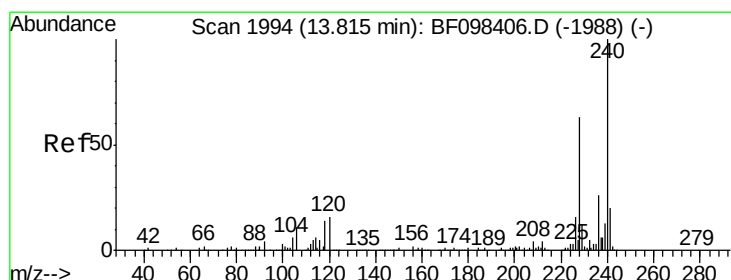
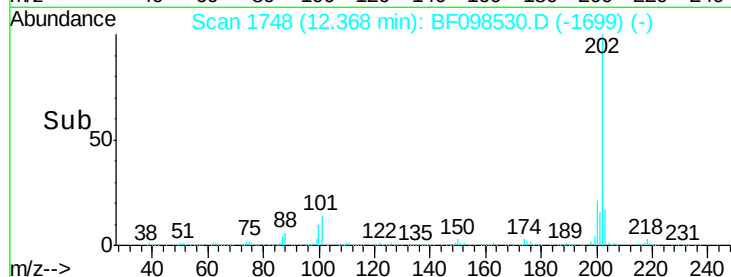
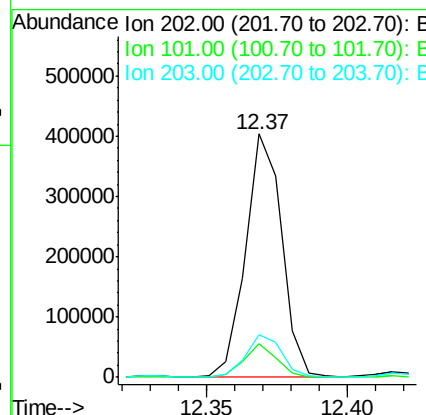
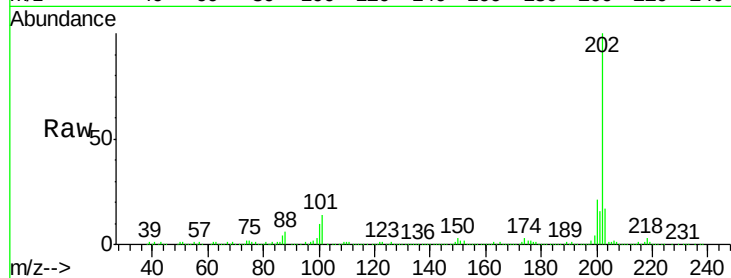
ClientSampled :

G-9A-2

Tgt Ion:	202	Resp:	356735
Ion Ratio	Lower	Upper	
202	100		
101	13.8	0.0	33.2
203	17.3	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

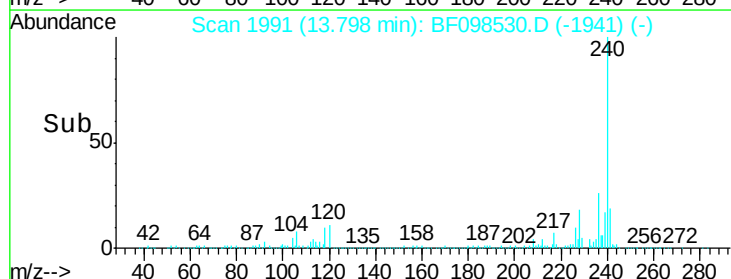
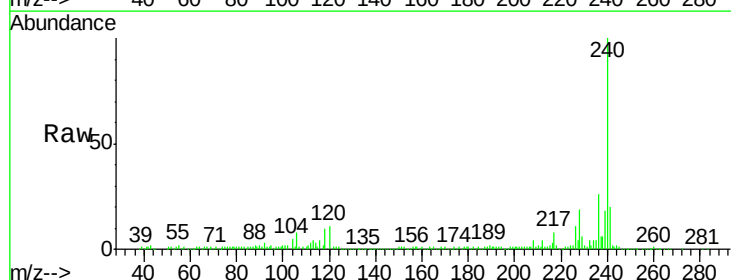
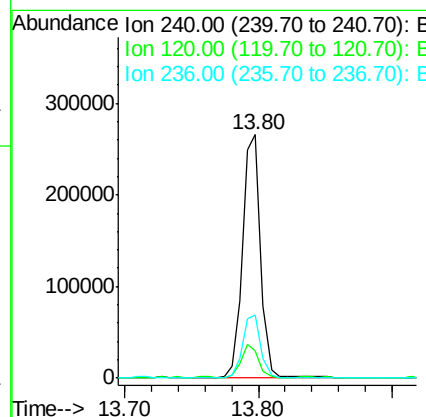
RT: 13.80 min Scan# 1991

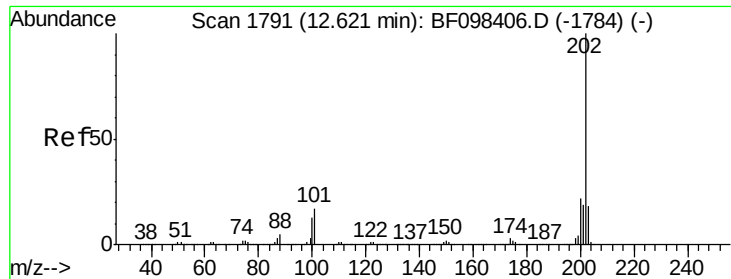
Delta R.T. -0.01 min

Lab File: BF098530.D

Acq: 14 Sep 2017 15:40

Tgt Ion:	240	Resp:	249408
Ion Ratio	Lower	Upper	
240	100		
120	11.3	5.8	8.8#
236	26.0	20.5	30.7





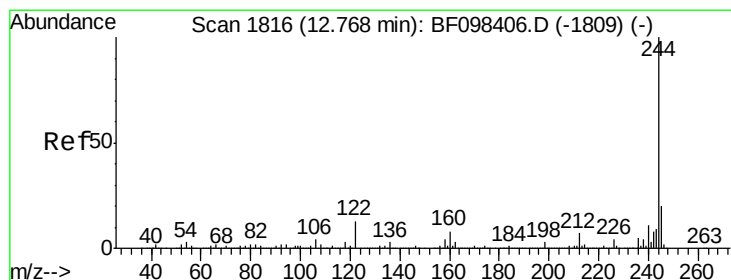
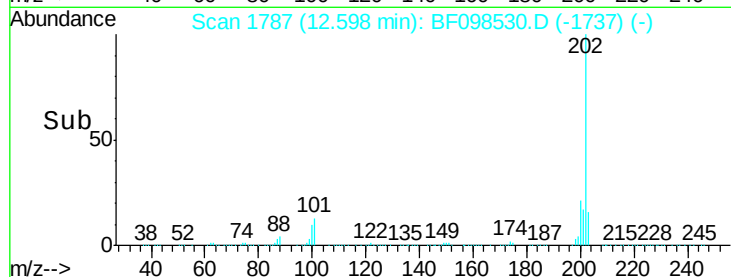
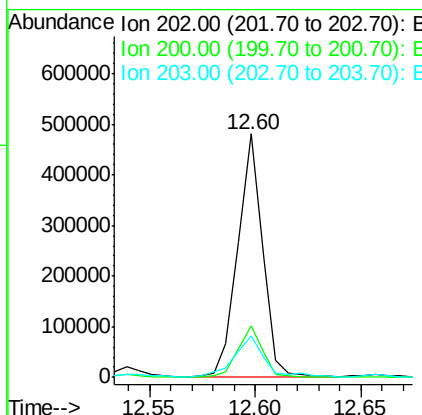
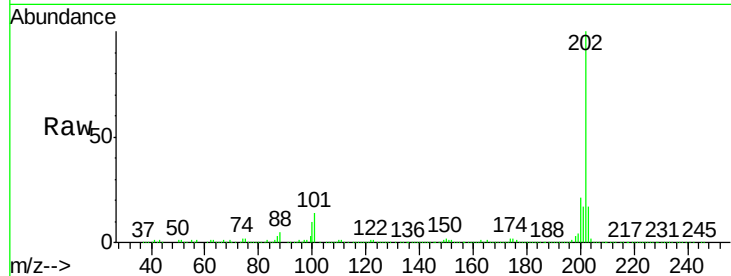
#77
Pyrene
Concen: 19.647 ng
RT: 12.60 min Scan# 1787
Delta R.T. -0.01 min
Lab File: BF098530.D
Acq: 14 Sep 2017 15:40

Instrument :
BNA_F
ClientSampleId :
G-9A-2

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	21.3	17.6	26.4
203	17.1	14.4	21.6

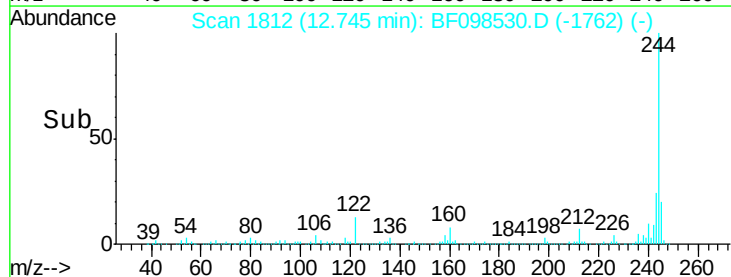
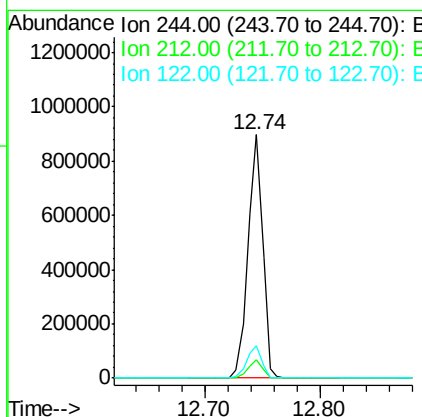
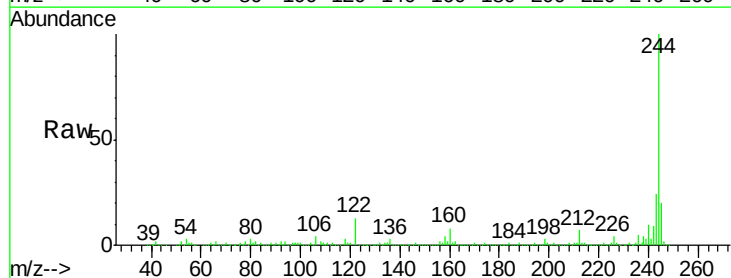
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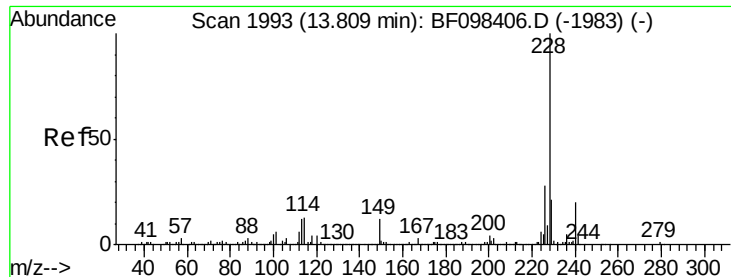
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9/15/2017 5:43:40 PM



#78
Terphenyl-d14
Concen: 68.007 ng
RT: 12.74 min Scan# 1812
Delta R.T. -0.01 min
Lab File: BF098530.D
Acq: 14 Sep 2017 15:40

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	7.3	6.0	9.0
122	13.2	10.3	15.5





#80

Benzo(a)anthracene

Concen: 15.728 ng m

RT: 13.79 min Scan# 1989

Delta R.T. -0.01 min

Lab File: BF098530.D

Acq: 14 Sep 2017 15:40

Instrument :

BNA_F

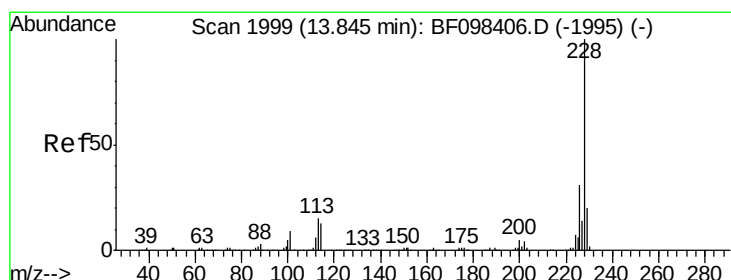
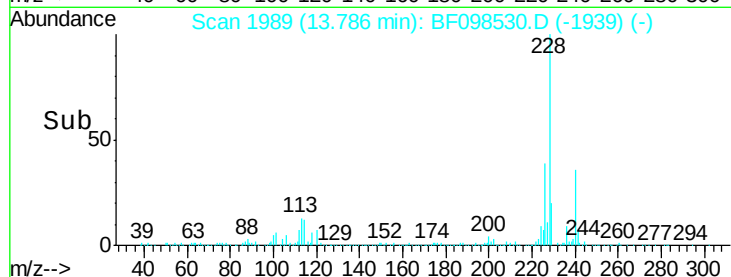
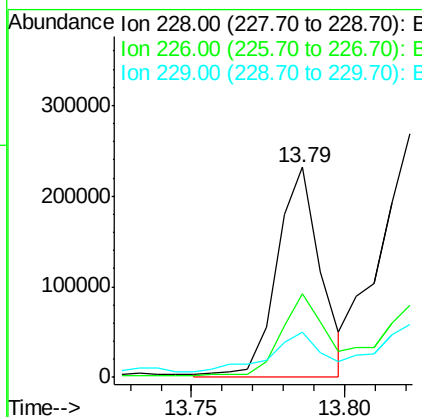
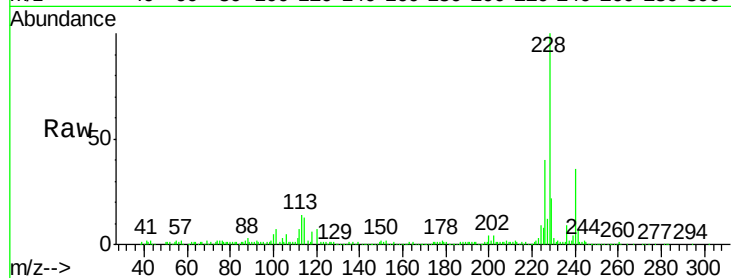
ClientSampleId :

G-9A-2

Tgt Ion:	228	Resp:	229978
Ion Ratio	Lower	Upper	
228	100		
226	40.1	22.6	33.8#
229	21.6	16.3	24.5

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#82

Chrysene

Concen: 18.985 ng

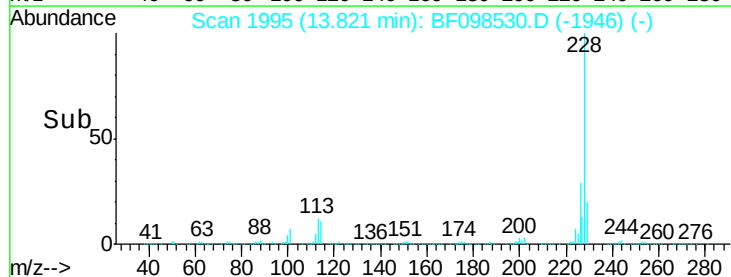
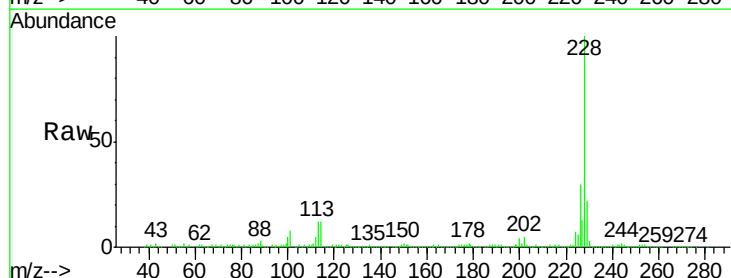
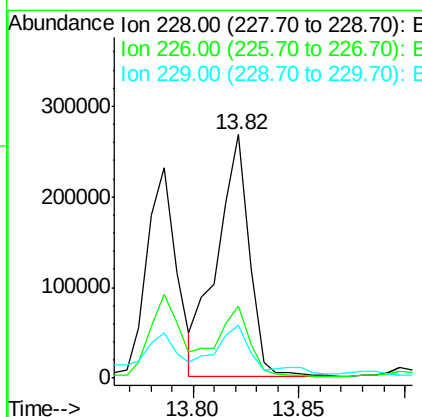
RT: 13.82 min Scan# 1995

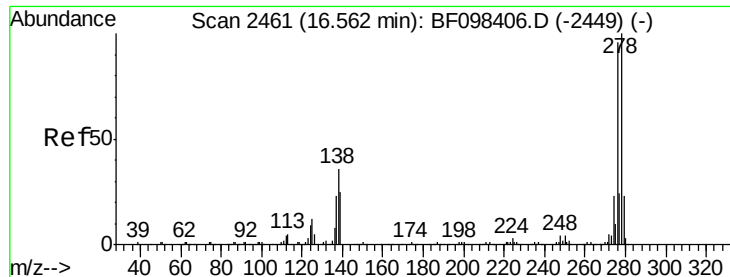
Delta R.T. -0.01 min

Lab File: BF098530.D

Acq: 14 Sep 2017 15:40

Tgt Ion:	228	Resp:	280617
Ion Ratio	Lower	Upper	
228	100		
226	29.7	24.9	37.3
229	21.9	15.8	23.6





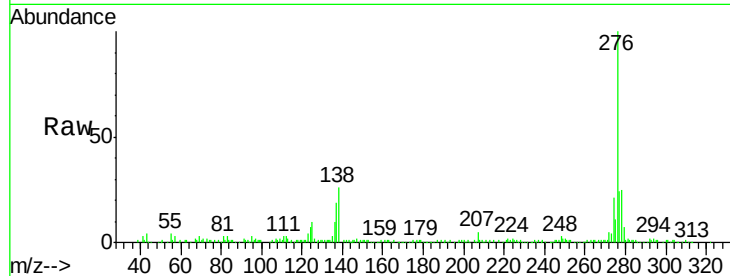
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 17.460 ng
 RT: 16.53 min Scan# 2455
 Delta R.T. -0.01 min
 Lab File: BF098530.D
 Acq: 14 Sep 2017 15:40

Instrument :
 BNA_F
 ClientSampled :
 G-9A-2

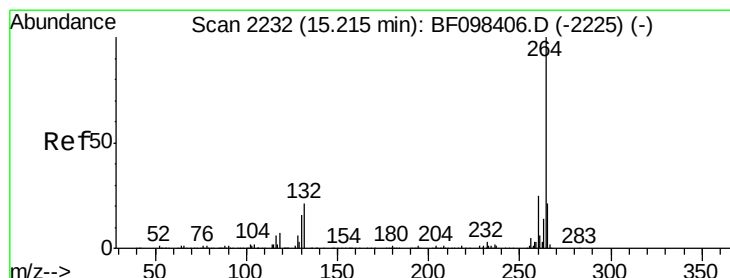
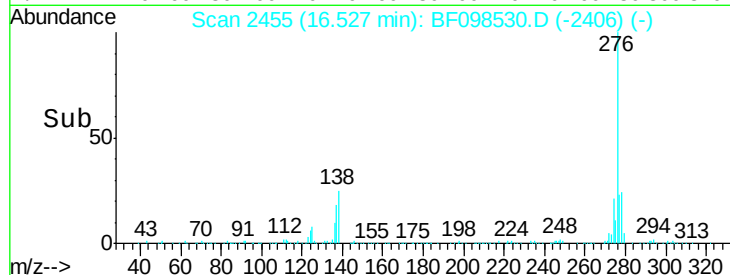
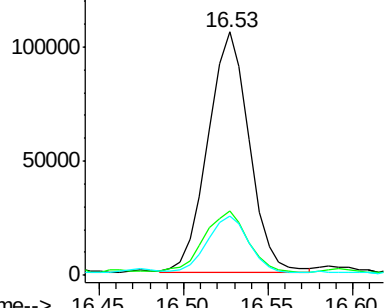
Tgt Ion	Ratio	Resp	Lower	Upper
276	100	181057		
138	27.9	27.8	41.6	
277	23.1	20.2	30.4	

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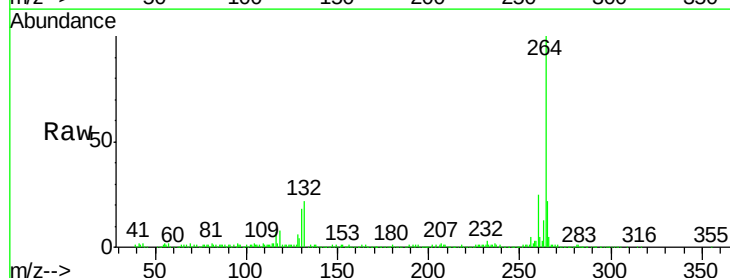


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

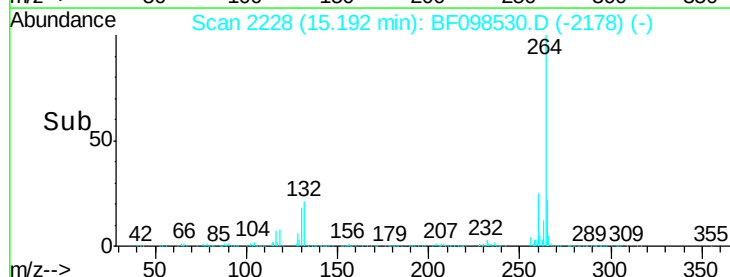
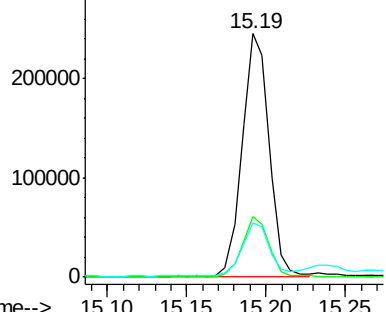


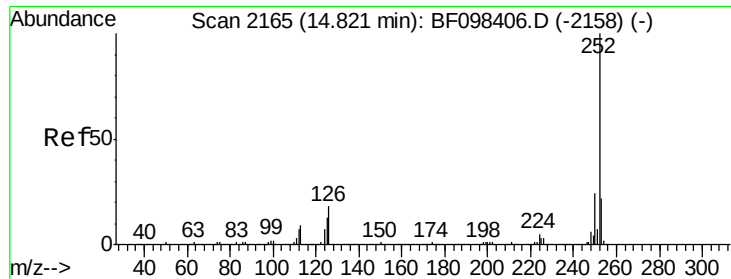
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.19 min Scan# 2228
 Delta R.T. -0.01 min
 Lab File: BF098530.D
 Acq: 14 Sep 2017 15:40

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	289590		
260	25.0	19.5	29.3	
265	22.2	17.2	25.8	



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





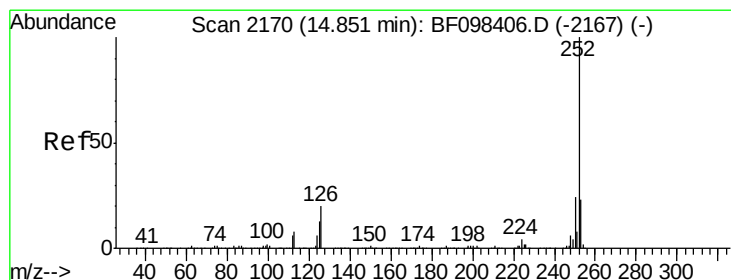
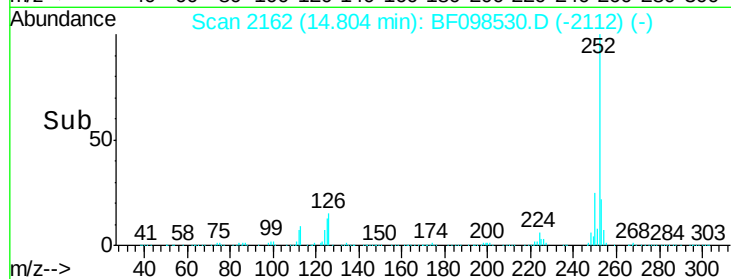
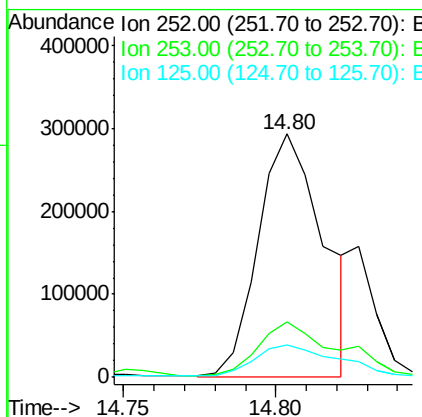
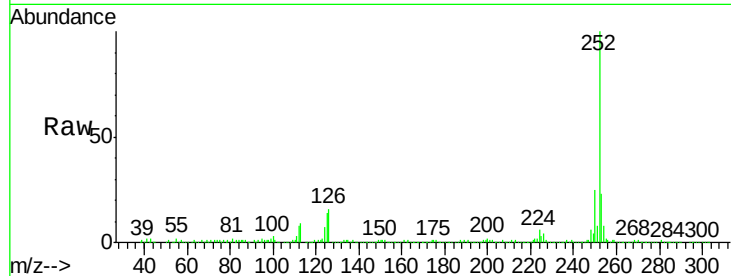
#87
Benzo(b)fluoranthene
Concen: 24.001 ng m
RT: 14.80 min Scan# 2162
Delta R.T. -0.01 min
Lab File: BF098530.D
Acq: 14 Sep 2017 15:40

Instrument :
BNA_F
ClientSampleId :
G-9A-2

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.1	27.1
125	13.5	9.8	14.8

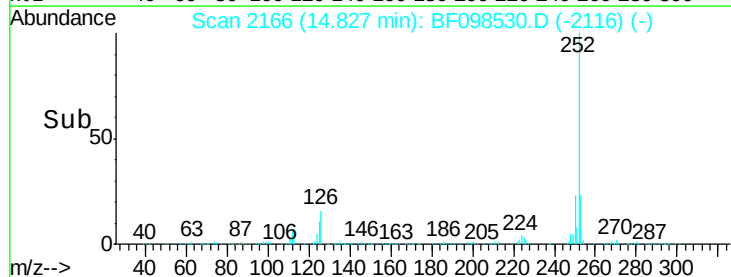
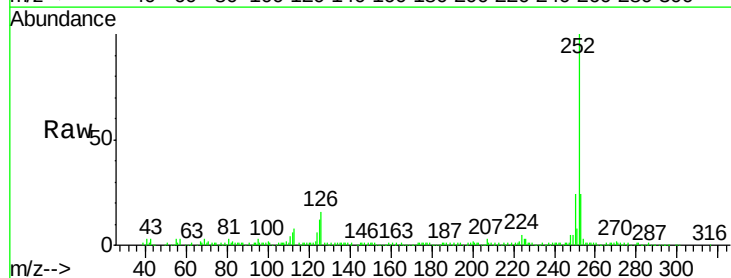
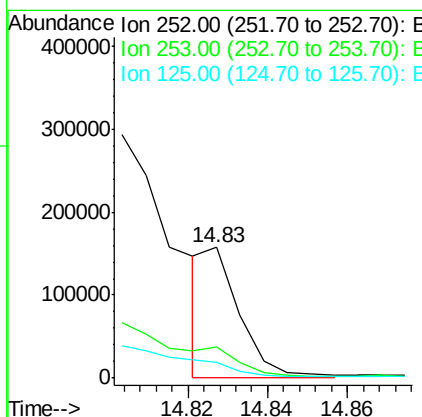
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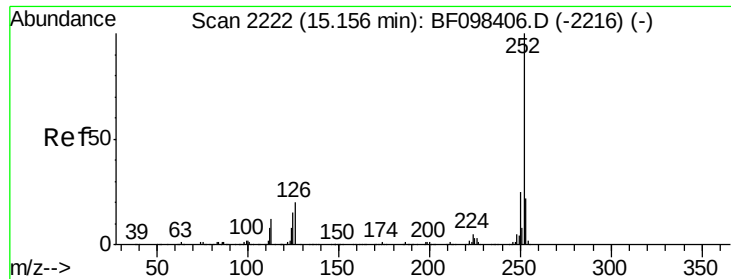
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#88
Benzo(k)fluoranthene
Concen: 5.565 ng m
RT: 14.83 min Scan# 2166
Delta R.T. -0.01 min
Lab File: BF098530.D
Acq: 14 Sep 2017 15:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.4	27.6
125	12.2	13.1	19.7#





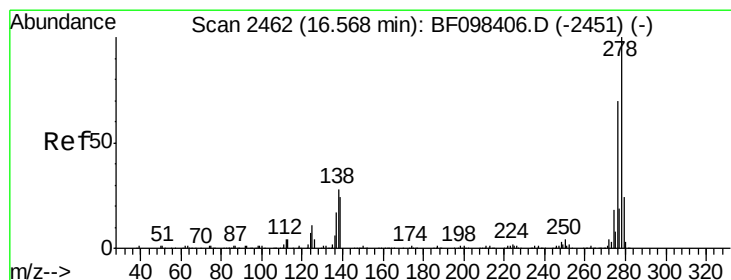
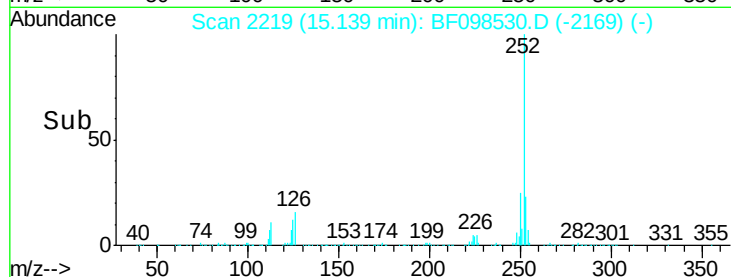
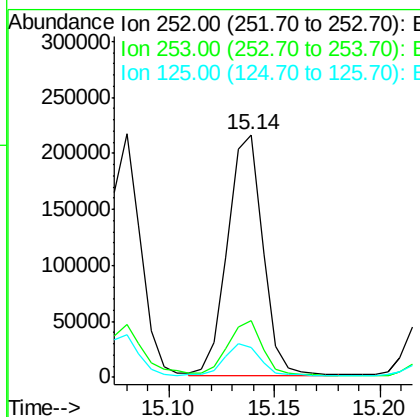
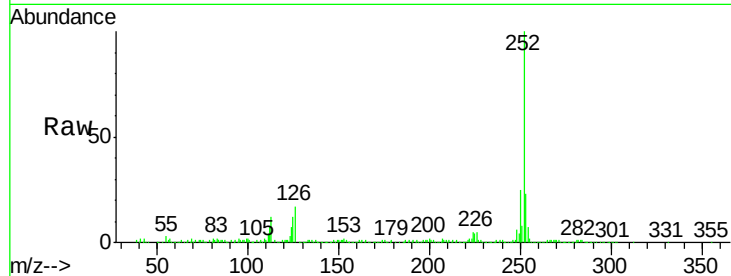
#89
Benzo(a)pyrene
Concen: 15.351 ng
RT: 15.14 min Scan# 2219
Delta R.T. -0.01 min
Lab File: BF098530.D
Acq: 14 Sep 2017 15:40

Instrument :
BNA_F
ClientSampled :
G-9A-2

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	23.3	17.5	26.3
125	12.2	11.0	16.4

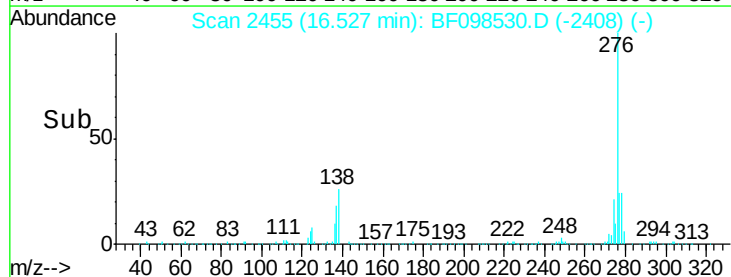
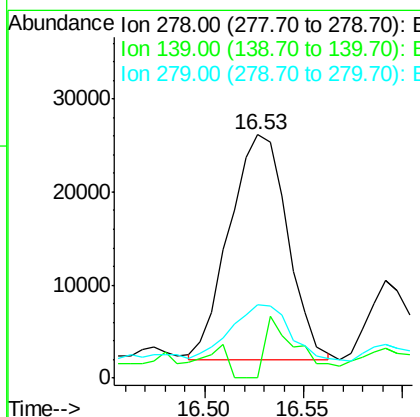
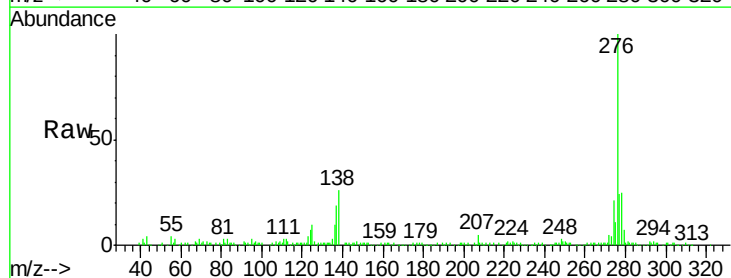
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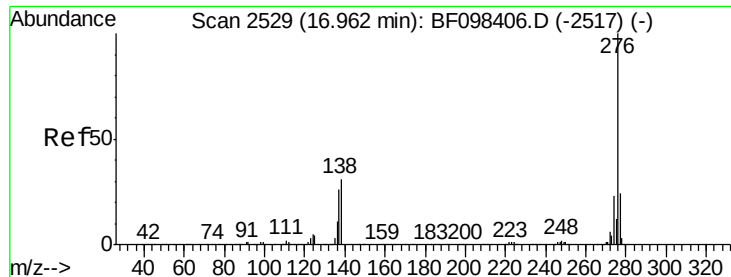
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#90
Dibenzo(a,h)anthracene
Concen: 4.134 ng m
RT: 16.53 min Scan# 2455
Delta R.T. -0.02 min
Lab File: BF098530.D
Acq: 14 Sep 2017 15:40

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	0.0	16.6	24.8#
279	30.0	19.3	28.9#





#91
 Benzo(g,h,i)perylene
 Concen: 13.862 ng
 RT: 16.93 min Scan# 2523
 Delta R.T. -0.01 min
 Lab File: BF098530.D
 Acq: 14 Sep 2017 15:40

Instrument :
 BNA_F
 ClientSampleId :
 G-9A-2

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	164532		
277	24.3	18.6	28.0	
138	28.5	25.4	38.0	

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