

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091417\
 Data File : BF098536.D
 Acq On : 14 Sep 2017 19:02
 Operator : SJ/JU
 Sample : I5160-09
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G-8B-2

Manual Integrations
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Sohil
 9/15/2017 5:43:49 PM

Quant Time: Sep 15 05:37:18 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	135783	20.00	ng	-0.02
21) Naphthalene-d8	7.93	136	569171	20.00	ng	-0.02
38) Acenaphthene-d10	9.68	164	265966	20.00	ng	-0.02
63) Phenanthrene-d10	11.16	188	505484	20.00	ng	-0.02
75) Chrysene-d12	13.79	240	311797	20.00	ng	-0.02
86) Perylene-d12	15.19	264	294937	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	1378832	150.14	ng	-0.01
7) Phenol-d6	6.30	99	1695494	145.41	ng	-0.02
23) Nitrobenzene-d5	7.22	82	1071069	104.91	ng	-0.02
41) 2,4,6-Tribromophenol	10.47	330	352252	198.44	ng	-0.02
44) 2-Fluorobiphenyl	9.01	172	1808194	115.23	ng	-0.02
78) Terphenyl-d14	12.75	244	1542655	106.79	ng	-0.02
Target Compounds						
49) Dimethylphthalate	9.40	163	200156	9.722	ng	99
70) Phenanthrene	11.19	178	178069	6.645	ng	96
74) Fluoranthene	12.37	202	350911	13.081	ng	99
77) Pyrene	12.60	202	299312	12.169	ng	98
80) Benzo(a)anthracene	13.79	228	148750	8.137	ng	97
82) Chrysene	13.82	228	180370	9.761	ng	97
85) Indeno(1,2,3-cd)pyrene	16.52	276	113428	8.749	ng	92
87) Benzo(b)fluoranthene	14.80	252	230511m	12.430	ng	
88) Benzo(k)fluoranthene	14.82	252	65227m	3.768	ng	
89) Benzo(a)pyrene	15.13	252	137762	8.338	ng	97
90) Dibenzo(a,h)anthracene	16.53	278	30603	2.546	ng	# 86
91) Benzo(a,h,i)perylene	16.92	276	115507	9.555	ng	95

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

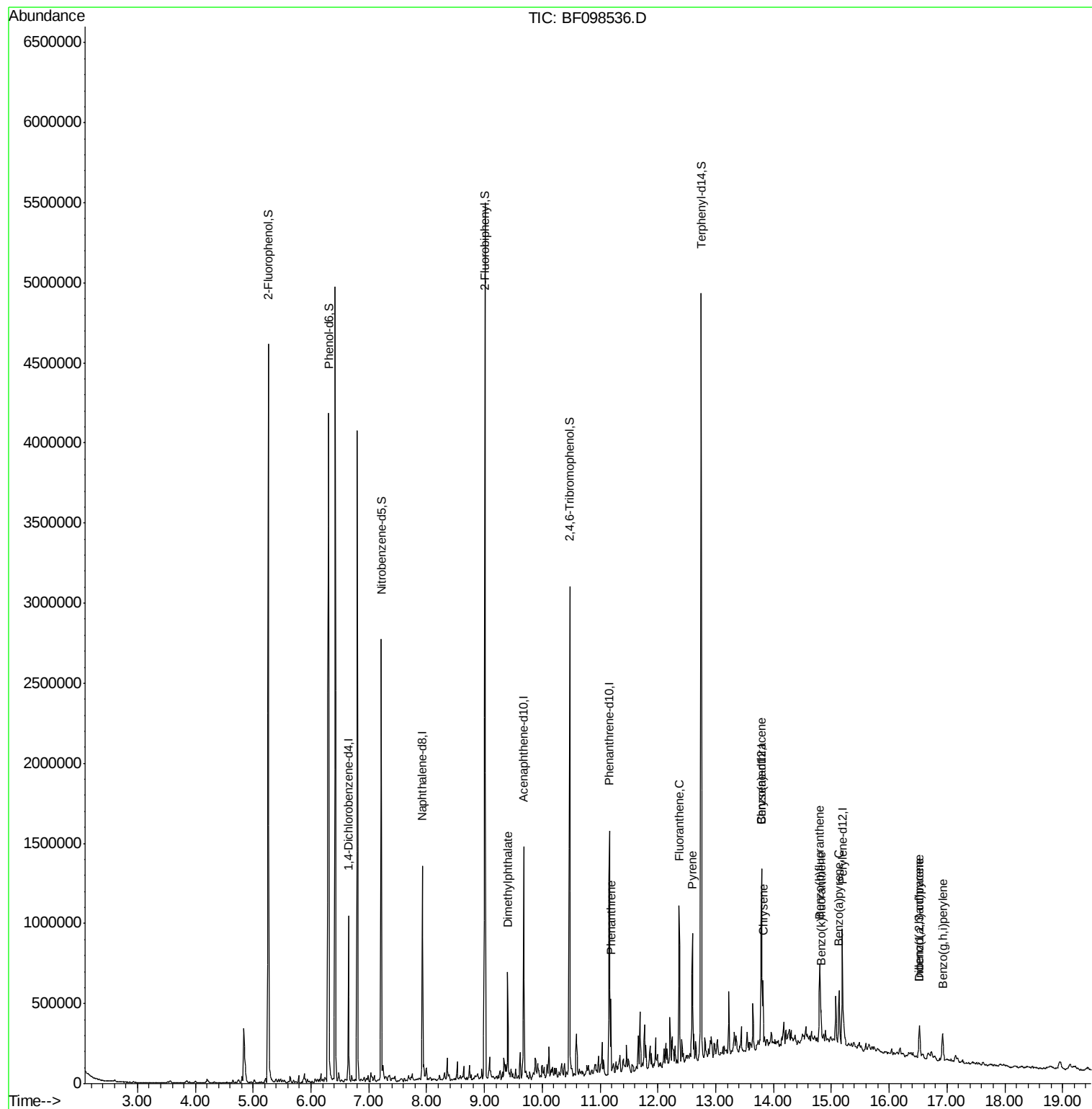
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF091417\
Data File : BF098536.D
Acq On : 14 Sep 2017 19:02
Operator : SJ/JU
Sample : I5160-09
Misc :
ALS Vial : 6 Sample Multiplier: 1

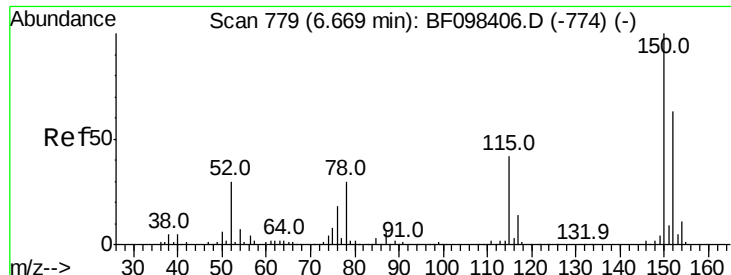
Instrument :
BNA_F
ClientSampleId :
G-8B-2

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Quant Time: Sep 15 05:37:18 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
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#1

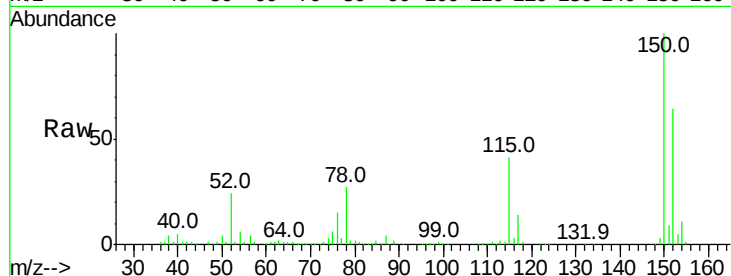
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.65 min Scan# 775
Delta R.T. -0.02 min
Lab File: BF098536.D
Acq: 14 Sep 2017 19:02

Instrument :
BNA_F
ClientSampleId :
G-8B-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	126.2	189.2
115	64.5	52.2	78.2

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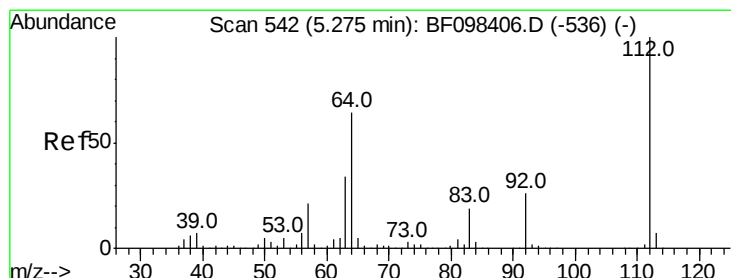
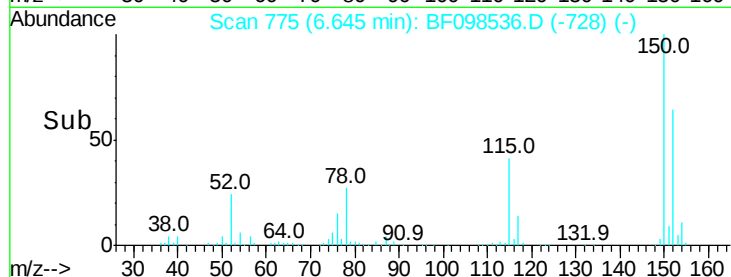
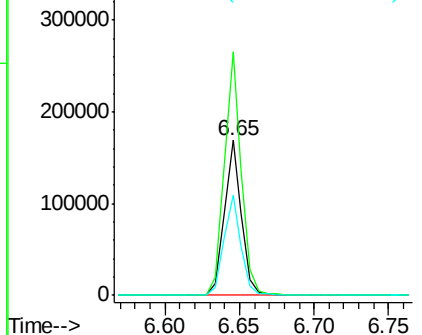


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

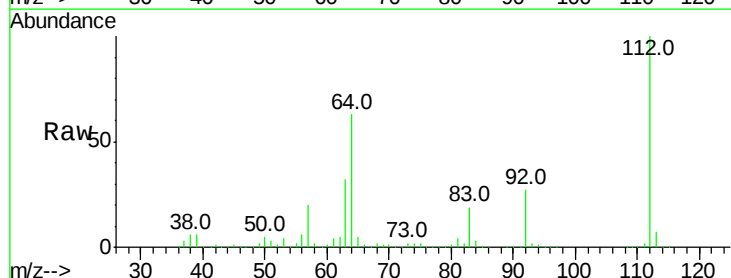
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 150.139 ng
RT: 5.26 min Scan# 540
Delta R.T. -0.01 min
Lab File: BF098536.D
Acq: 14 Sep 2017 19:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.9	46.0	69.0
63	32.4	23.4	35.0

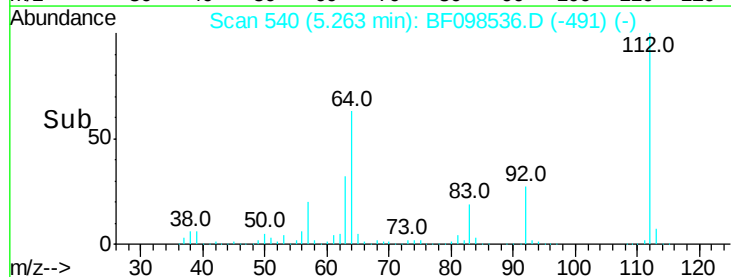
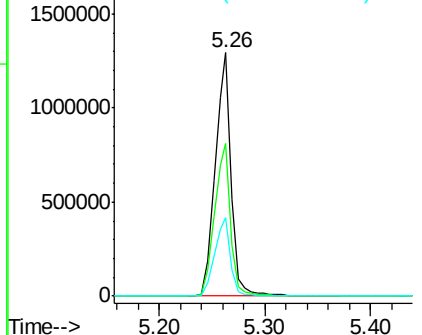


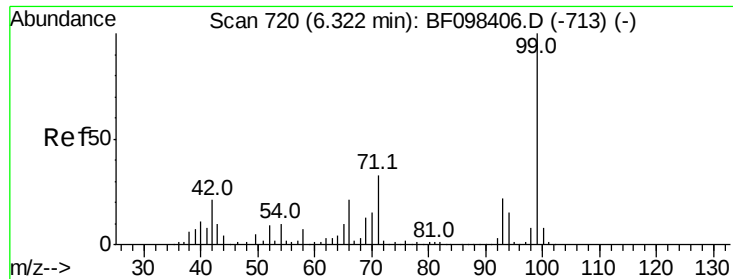
Abundance

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: 145.409 ng

RT: 6.30 min Scan# 717

Delta R.T. -0.02 min

Lab File: BF098536.D

Acq: 14 Sep 2017 19:02

Instrument :

BNA_F

ClientSampled :

G-8B-2

Tot Ion: 99 Resp: 1695494

Ion Ratio Lower Upper

99 100

42 18.3 13.5 20.3

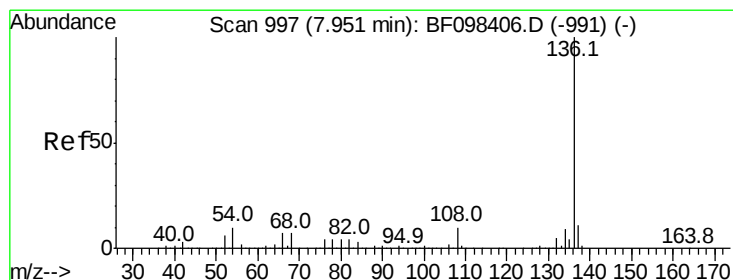
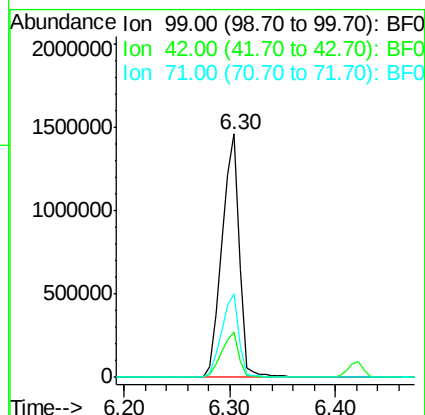
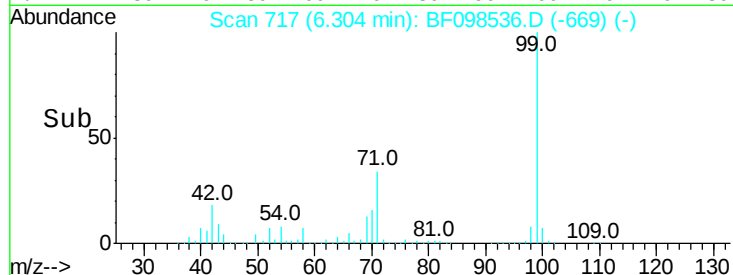
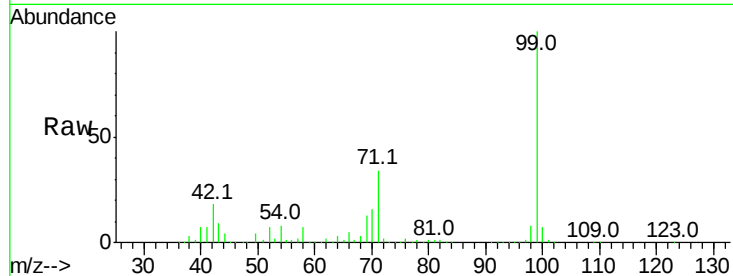
71 34.5 24.5 36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.93 min Scan# 993

Delta R.T. -0.02 min

Lab File: BF098536.D

Acq: 14 Sep 2017 19:02

Tgt Ion: 136 Resp: 569171

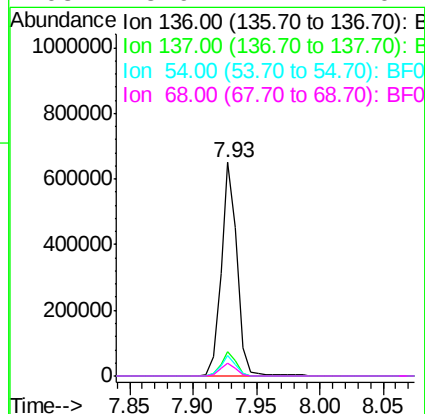
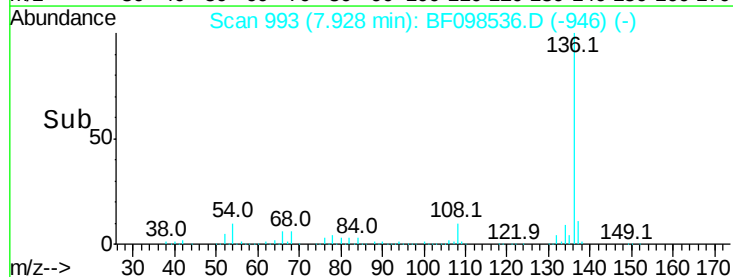
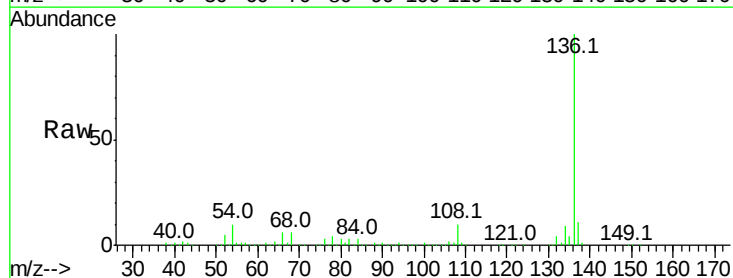
Ion Ratio Lower Upper

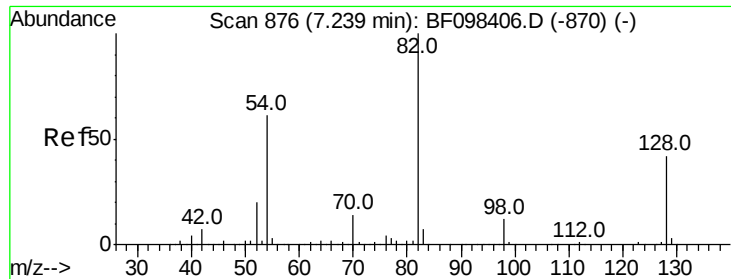
136 100

137 11.2 8.5 12.7

54 9.5 4.9 7.3#

68 5.9 4.1 6.1





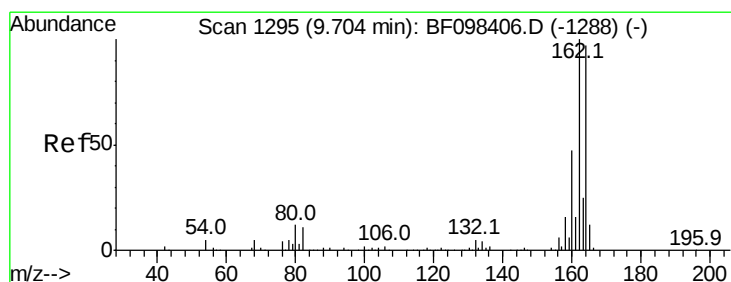
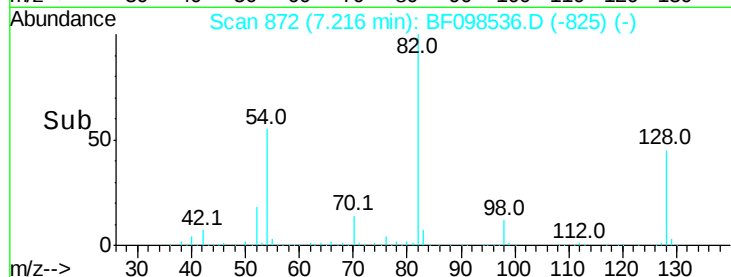
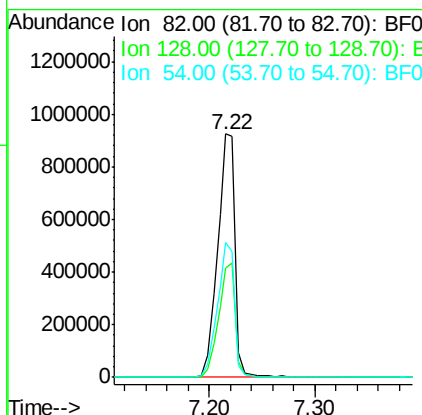
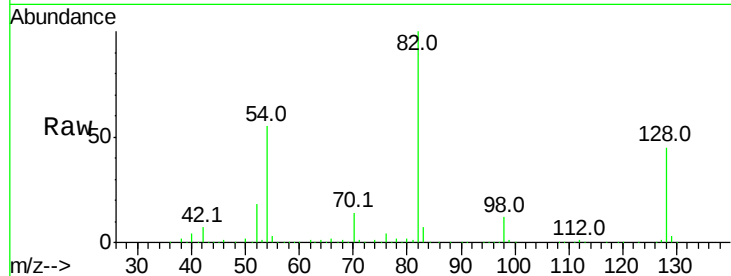
#23
Nitrobenzene-d5
Concen: 104.910 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.02 min
Lab File: BF098536.D
Acq: 14 Sep 2017 19:02

Instrument :
BNA_F
ClientSampled :
G-8B-2

Tot Ion: 82 Resp: 1071069
Ion Ratio Lower Upper
82 100
128 44.7 34.0 51.0
54 55.2 42.2 63.2

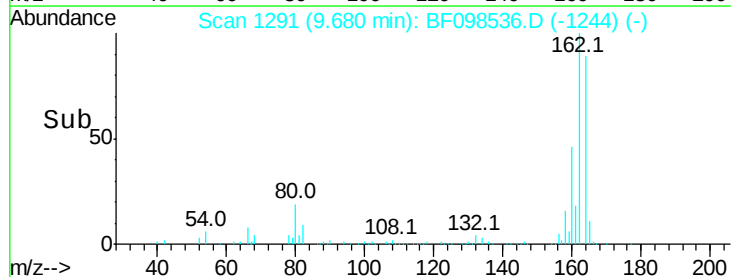
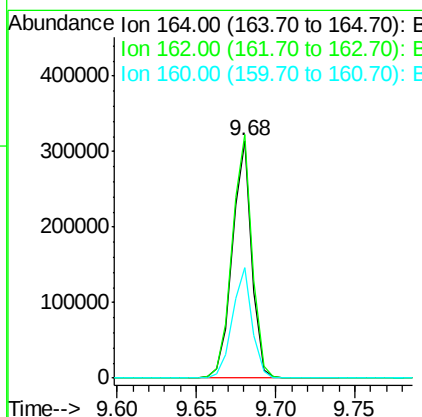
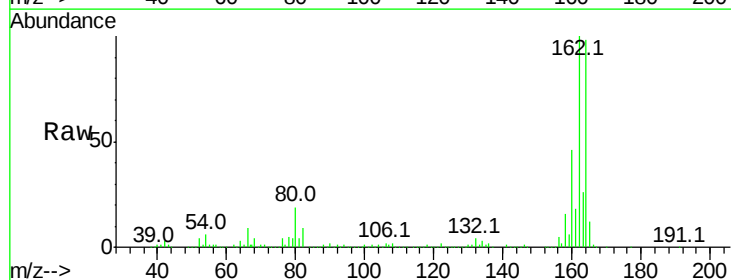
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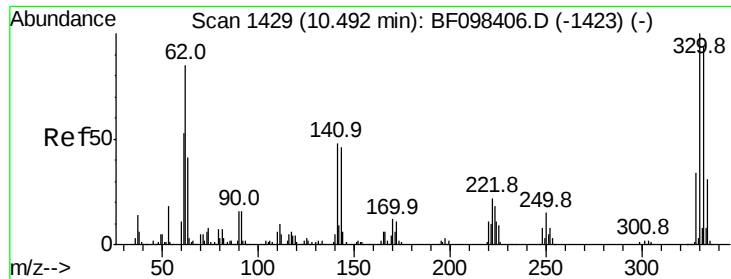
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.68 min Scan# 1291
Delta R.T. -0.02 min
Lab File: BF098536.D
Acq: 14 Sep 2017 19:02

Tgt Ion:164 Resp: 265966
Ion Ratio Lower Upper
164 100
162 102.5 82.6 123.8
160 46.7 36.2 54.2





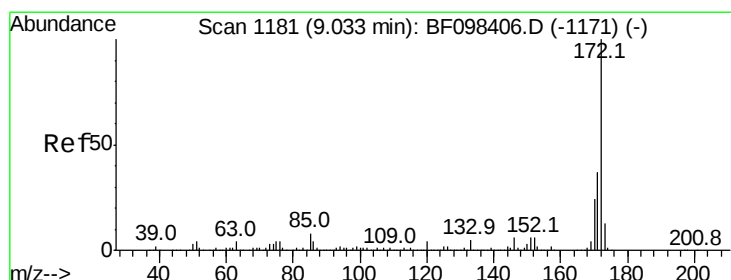
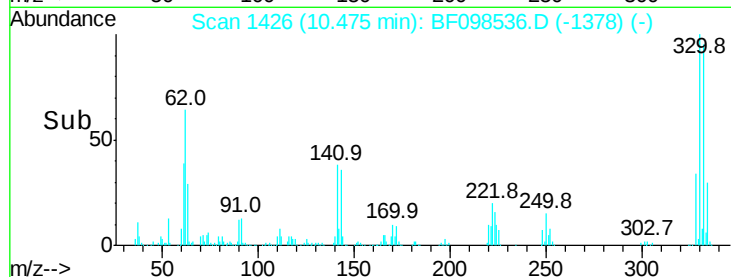
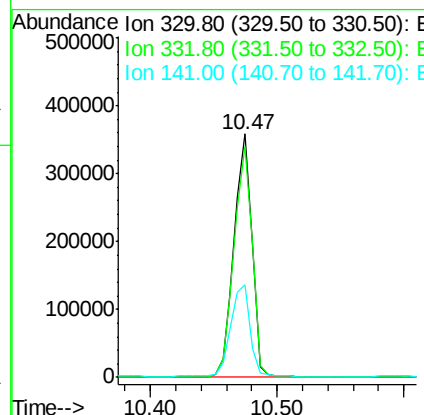
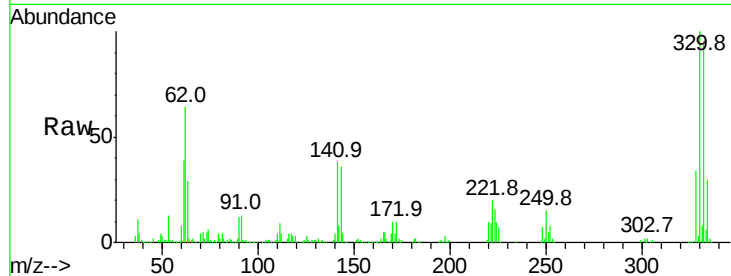
#41
 2,4,6-Tribromophenol
 Concen: 198.440 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. -0.02 min
 Lab File: BF098536.D
 Acq: 14 Sep 2017 19:02

Instrument :
 BNA_F
 ClientSampled :
 G-8B-2

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.9	76.6	115.0	
141	42.0	31.4	47.2	

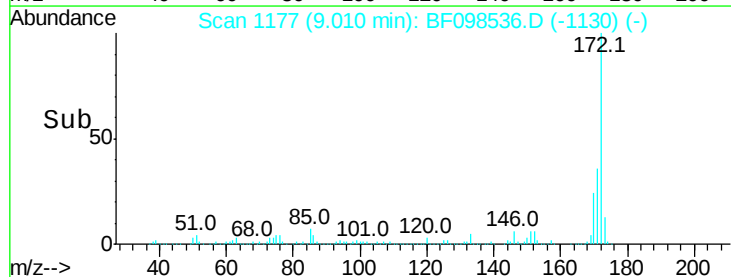
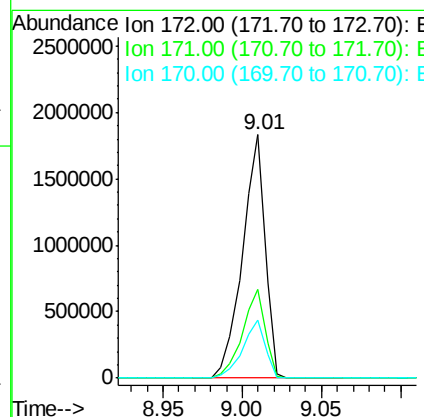
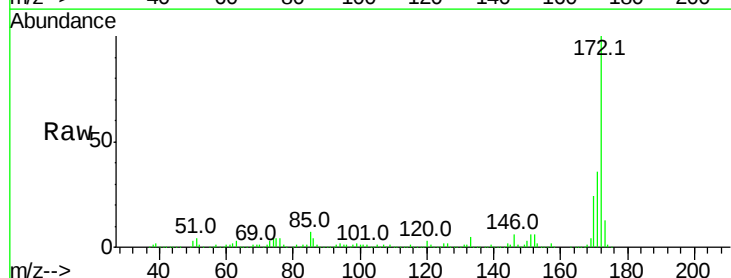
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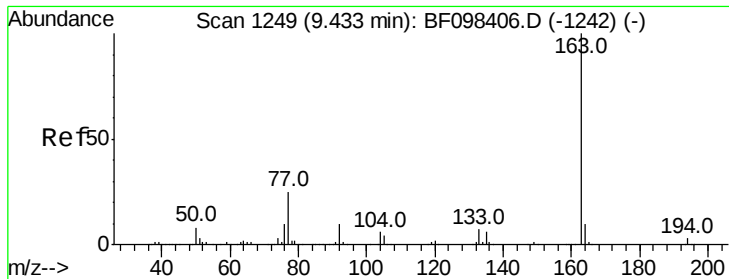
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#44
 2-Fluorobiphenyl
 Concen: 115.231 ng
 RT: 9.01 min Scan# 1177
 Delta R.T. -0.02 min
 Lab File: BF098536.D
 Acq: 14 Sep 2017 19:02

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.4	29.6	44.4	
170	23.9	19.8	29.8	





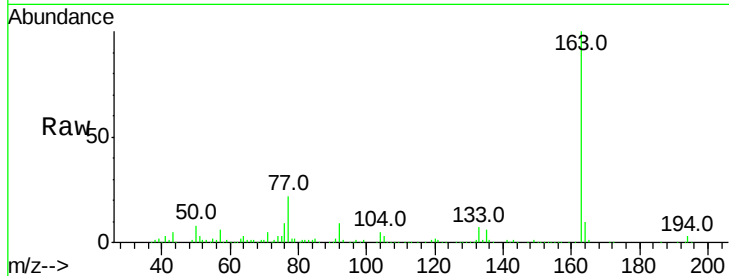
#49
Dimethylphthalate
Concen: 9.722 ng
RT: 9.40 min Scan# 1244
Delta R.T. -0.03 min
Lab File: BF098536.D
Acq: 14 Sep 2017 19:02

Instrument :
BNA_F
ClientSampleId :
G-8B-2

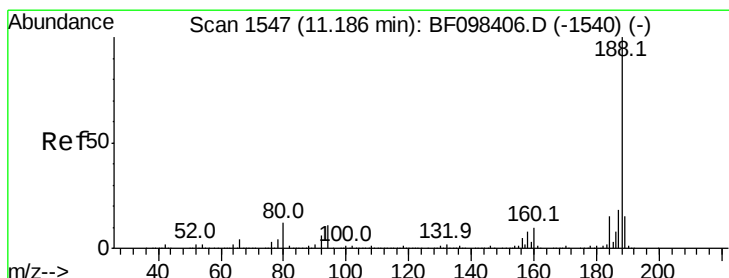
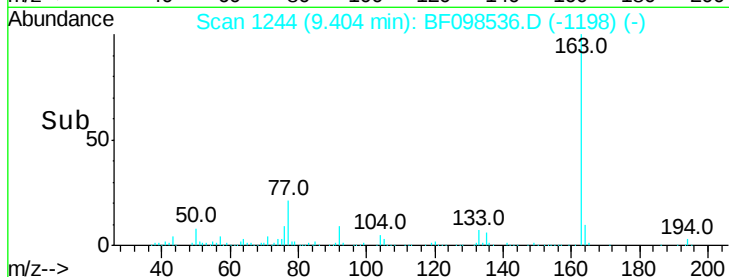
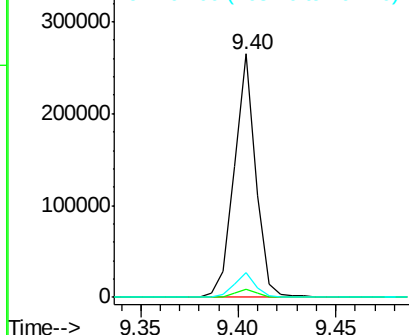
Tot Ion	Ratio	Resp	Lower	Upper
163	100	200156		
194	3.2		2.6	4.0
164	10.1		8.4	12.6

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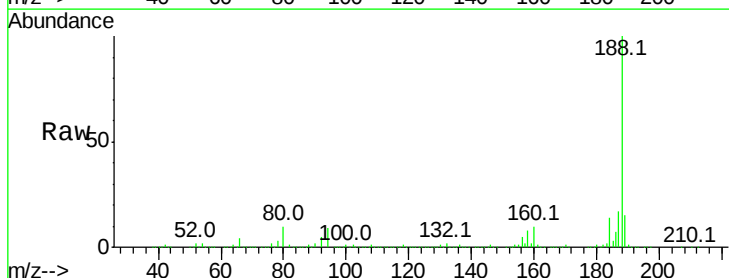


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

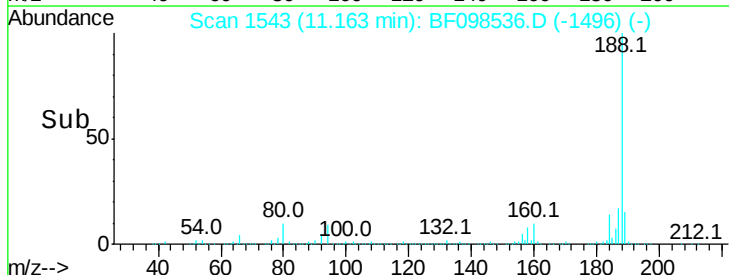
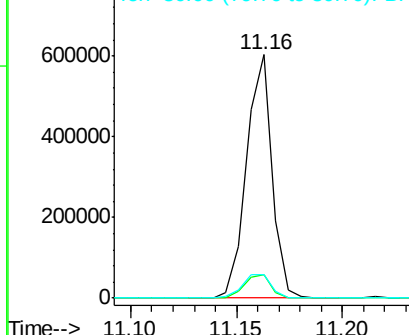


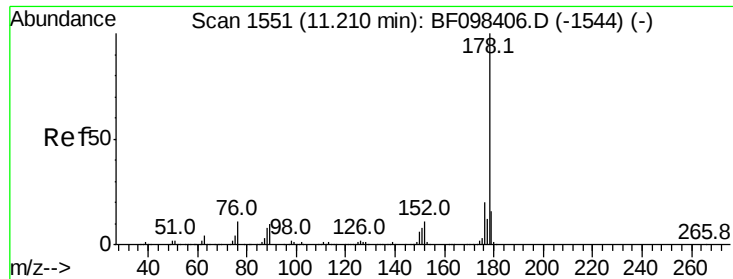
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.16 min Scan# 1543
Delta R.T. -0.02 min
Lab File: BF098536.D
Acq: 14 Sep 2017 19:02

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	505484		
94	9.4		9.4	14.2#
80	9.8		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





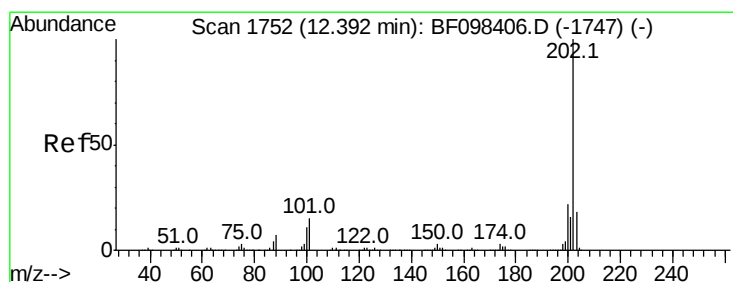
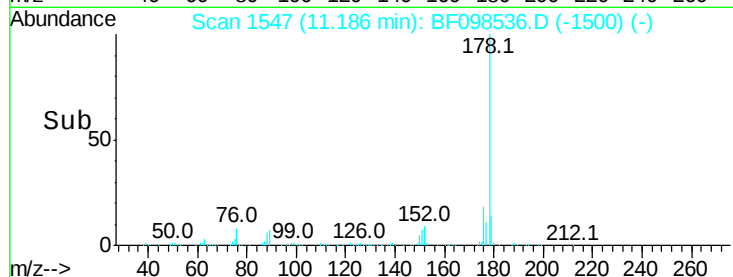
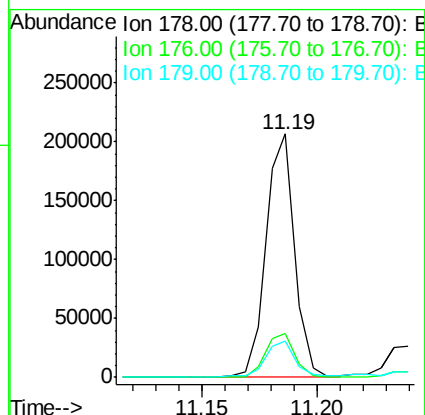
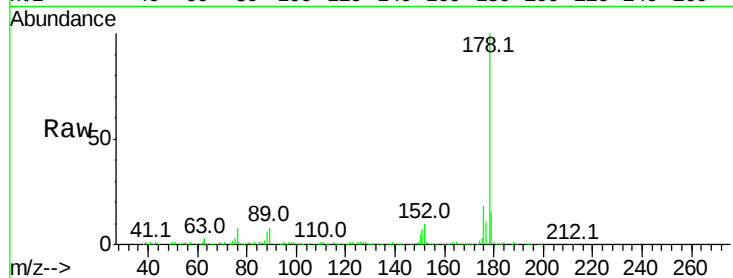
#70
Phenanthrene
Concen: 6.645 ng
RT: 11.19 min Scan# 1547
Delta R.T. -0.02 min
Lab File: BF098536.D
Acq: 14 Sep 2017 19:02

Instrument :
BNA_F
ClientSampled :
G-8B-2

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	16.2	24.4
179	14.7	12.6	19.0

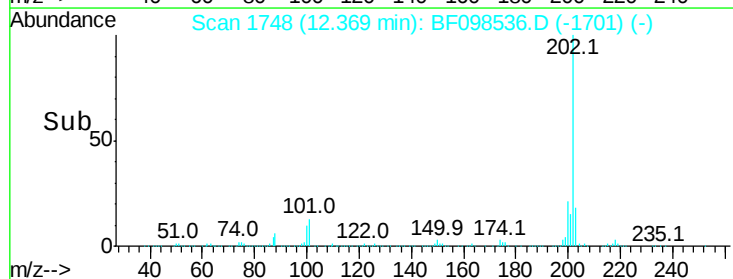
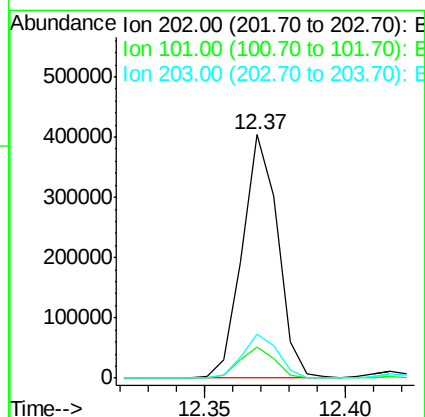
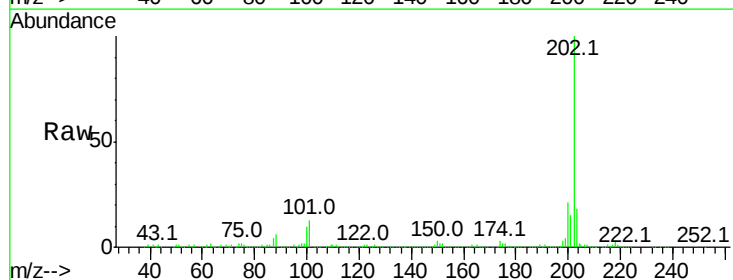
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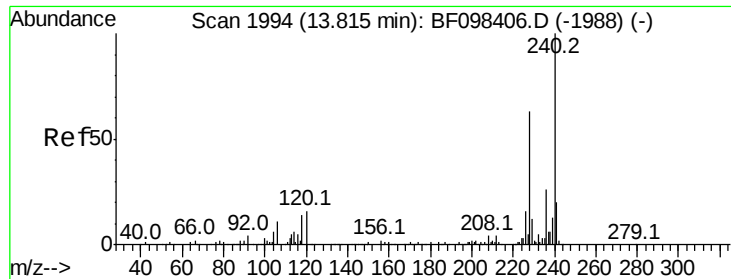
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#74
Fluoranthene
Concen: 13.081 ng
RT: 12.37 min Scan# 1748
Delta R.T. -0.02 min
Lab File: BF098536.D
Acq: 14 Sep 2017 19:02

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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.79 min Scan# 1990

Delta R.T. -0.02 min

Lab File: BF098536.D

Acq: 14 Sep 2017 19:02

Instrument :

BNA_F

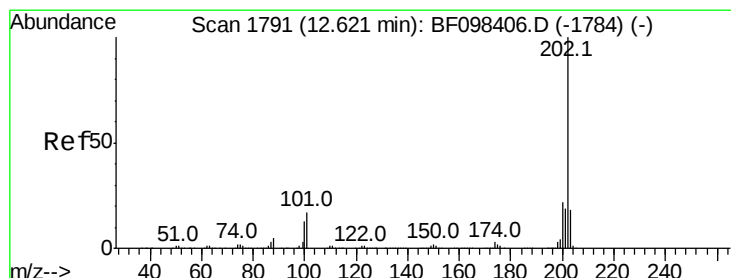
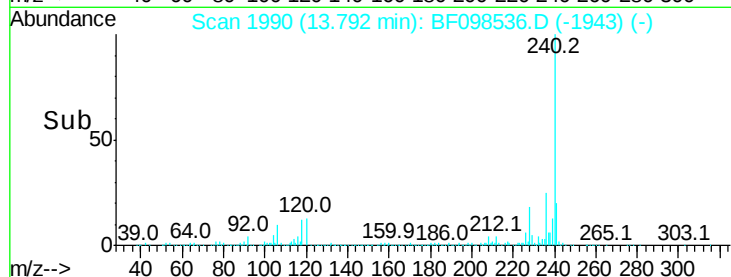
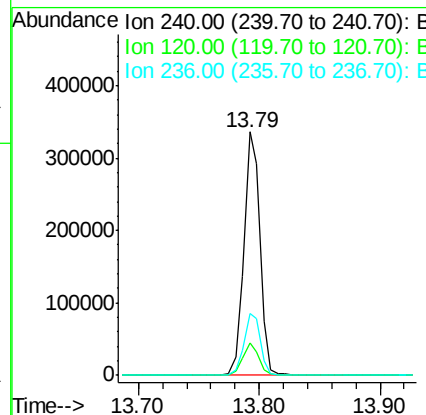
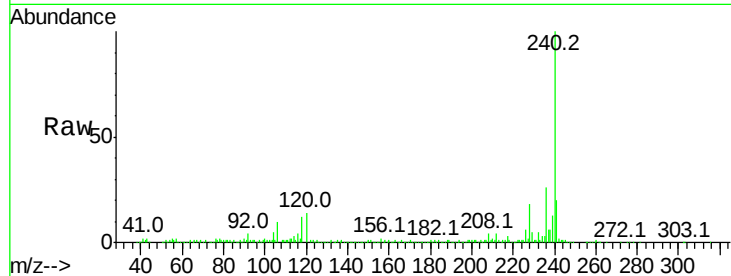
ClientSampled :

G-8B-2

Tot Ion:	240	Resp:	311797
Ion Ratio	Lower	Upper	
240	100		
120	13.5	5.8	8.8#
236	25.6	20.5	30.7

Manual Integrations
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#77

Pyrene

Concen: 12.169 ng

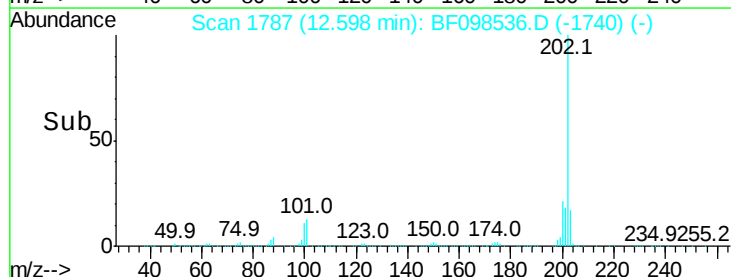
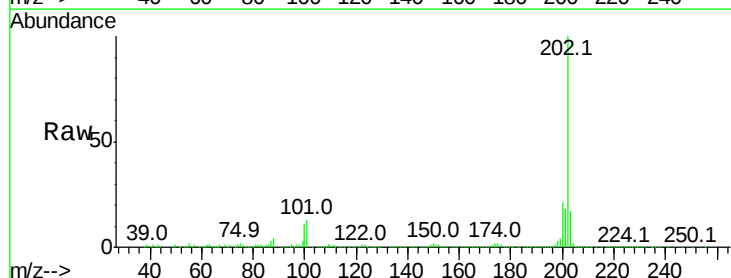
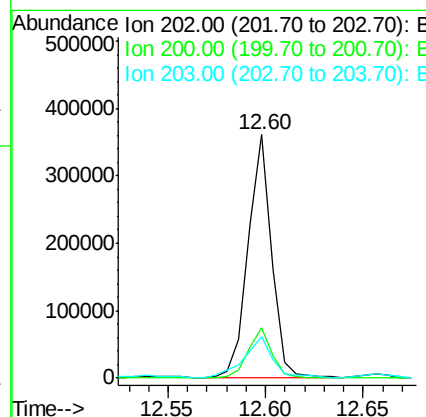
RT: 12.60 min Scan# 1787

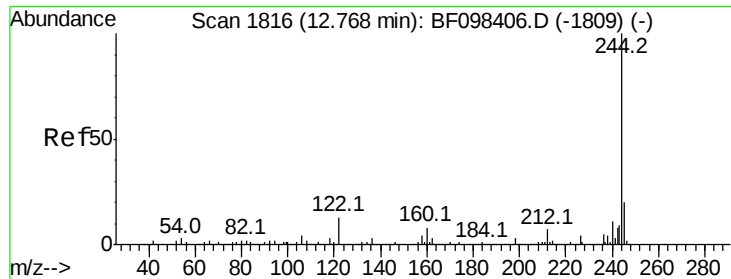
Delta R.T. -0.02 min

Lab File: BF098536.D

Acq: 14 Sep 2017 19:02

Tgt Ion:	202	Resp:	299312
Ion Ratio	Lower	Upper	
202	100		
200	20.8	17.6	26.4
203	17.0	14.4	21.6





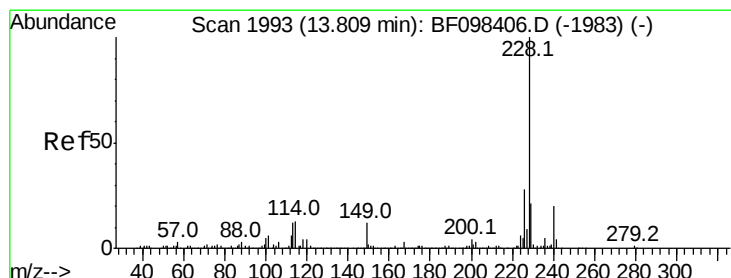
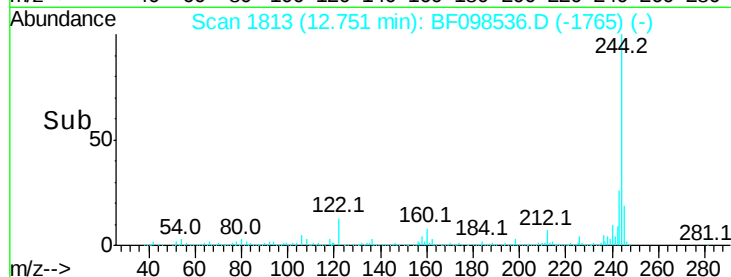
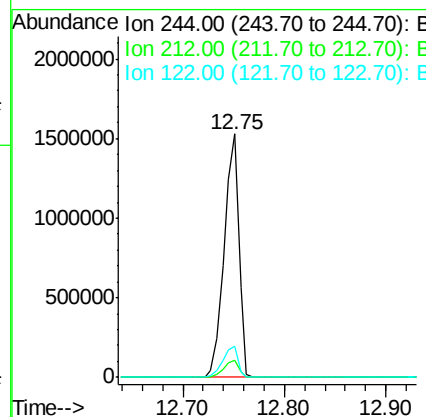
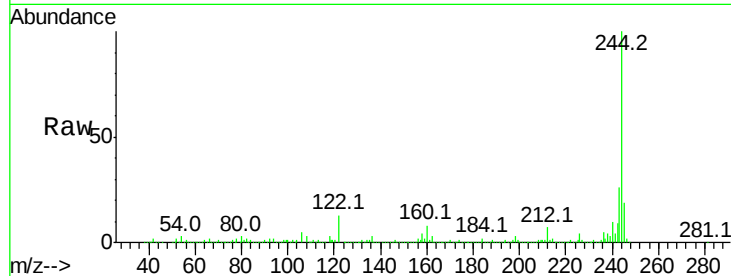
#78
 Terphenyl-d14
 Concen: 106.793 ng
 RT: 12.75 min Scan# 1813
 Delta R.T. -0.02 min
 Lab File: BF098536.D
 Acq: 14 Sep 2017 19:02

Instrument :
 BNA_F
 ClientSampled :
 G-8B-2

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	12.8	10.3	15.5

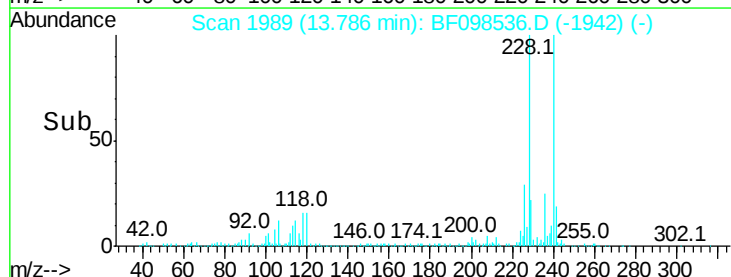
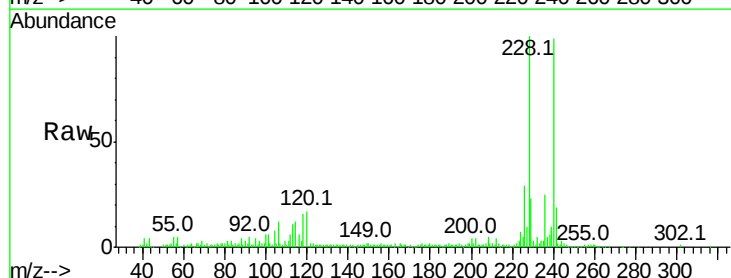
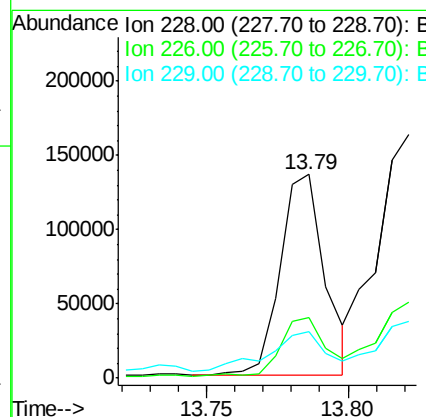
Manual Integrations
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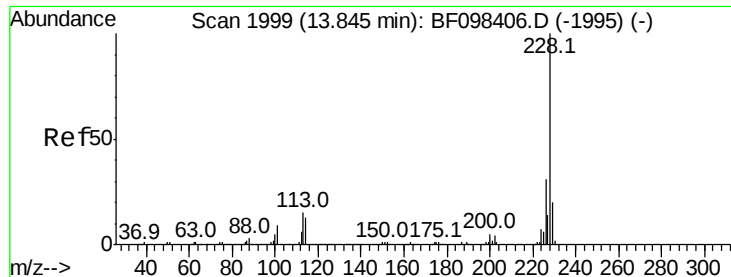
Sohil
 9/15/2017 5:43:49 PM



#80
 Benzo(a)anthracene
 Concen: 8.137 ng
 RT: 13.79 min Scan# 1989
 Delta R.T. -0.02 min
 Lab File: BF098536.D
 Acq: 14 Sep 2017 19:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.6	33.8
229	22.6	16.3	24.5





#82

Chrysene

Concen: 9.761 ng

RT: 13.82 min Scan# 1995

Delta R.T. -0.02 min

Lab File: BF098536.D

Acq: 14 Sep 2017 19:02

Instrument :

BNA_F

ClientSampled :

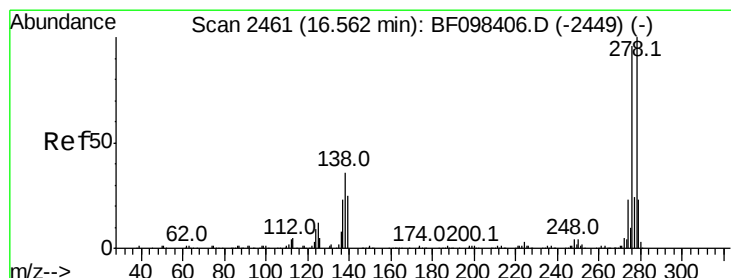
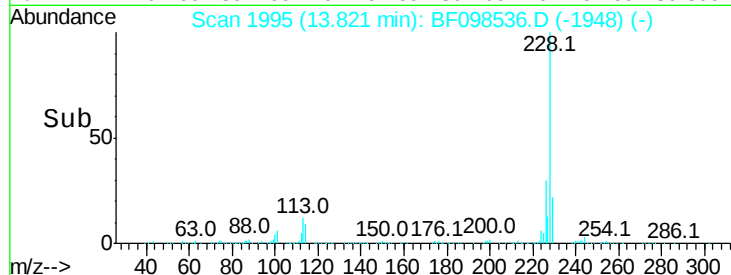
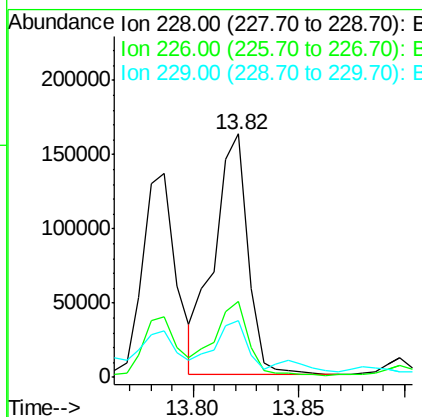
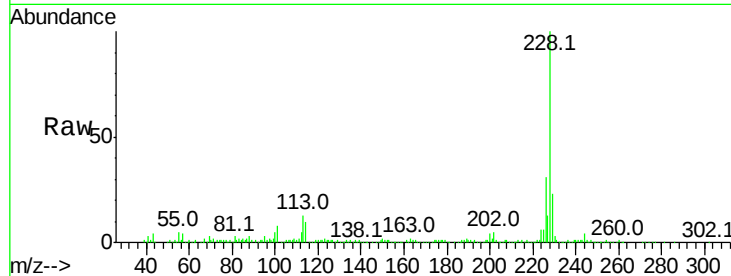
G-8B-2

Tot Ion:	228	Resp:	180370
Ion Ratio	Lower	Upper	
228	100		
226	30.9	24.9	37.3
229	23.3	15.8	23.6

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 8.749 ng

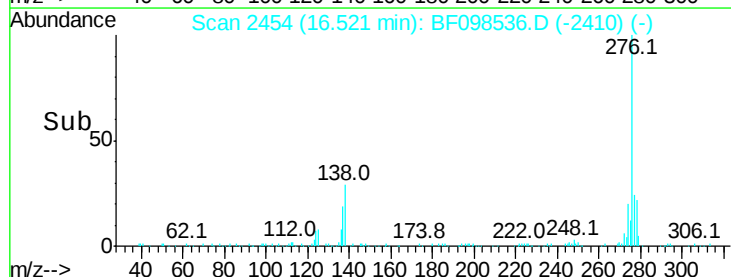
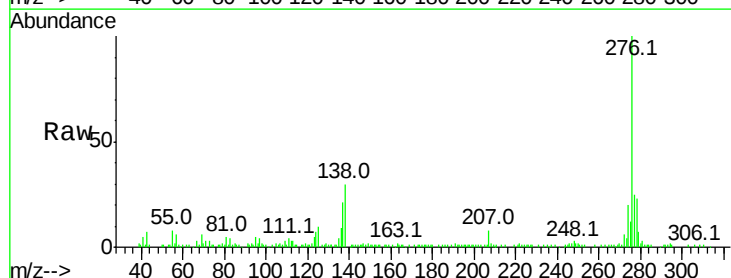
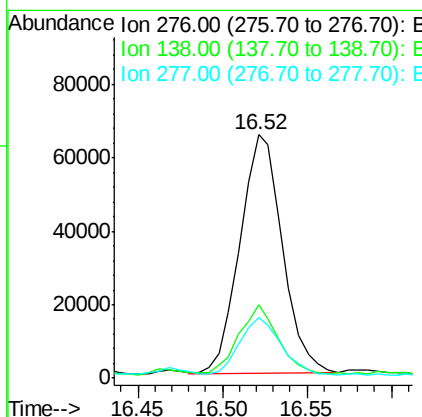
RT: 16.52 min Scan# 2454

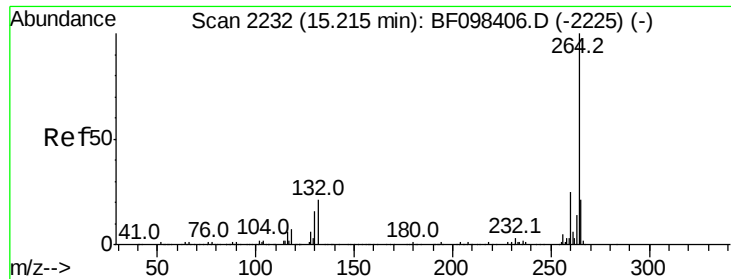
Delta R.T. -0.04 min

Lab File: BF098536.D

Acq: 14 Sep 2017 19:02

Tgt Ion:	276	Resp:	113428
Ion Ratio	Lower	Upper	
276	100		
138	28.2	27.8	41.6
277	23.5	20.2	30.4





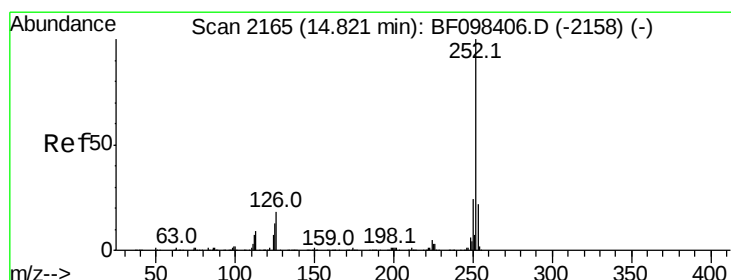
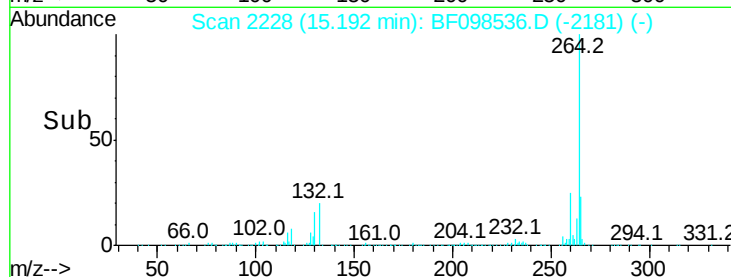
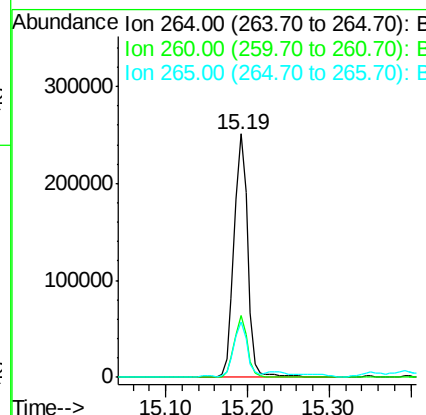
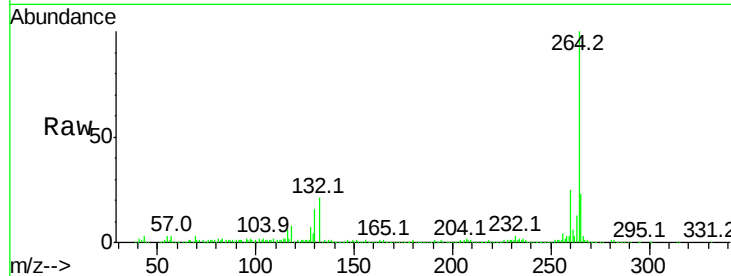
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.19 min Scan# 2228
Delta R.T. -0.02 min
Lab File: BF098536.D
Acq: 14 Sep 2017 19:02

Instrument :
BNA_F
ClientSampleId :
G-8B-2

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	25.4	19.5	29.3	
265	23.0	17.2	25.8	

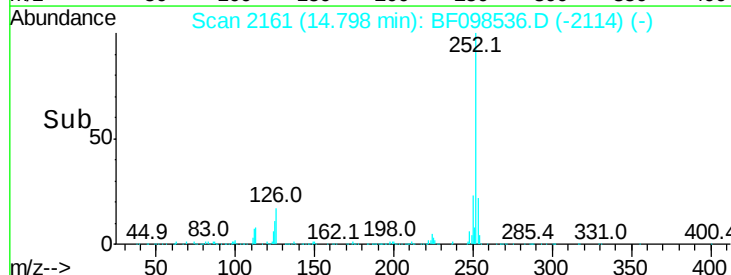
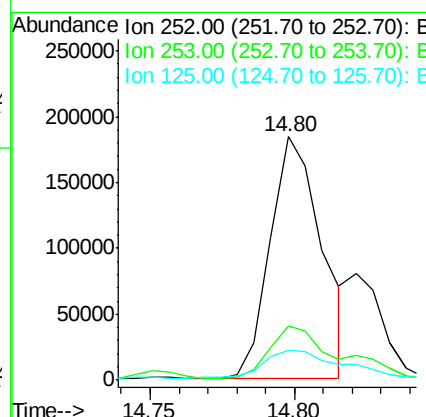
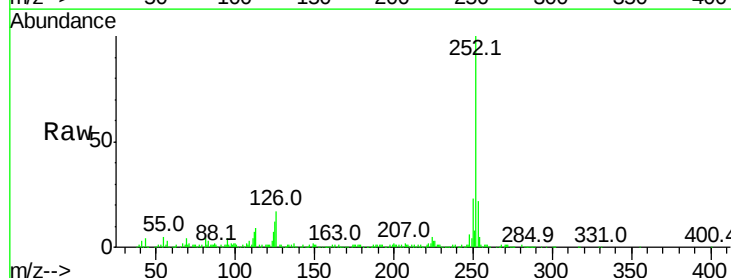
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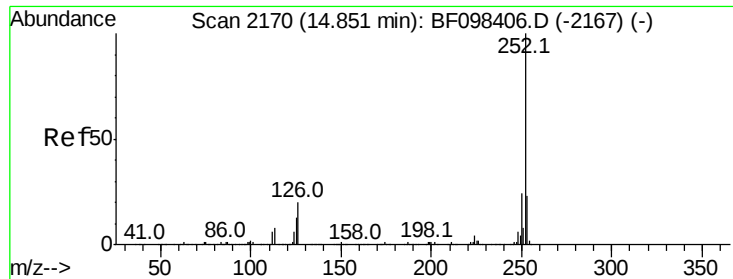
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#87
Benzo(b)fluoranthene
Concen: 12.430 ng m
RT: 14.80 min Scan# 2161
Delta R.T. -0.02 min
Lab File: BF098536.D
Acq: 14 Sep 2017 19:02

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	22.3	18.1	27.1	
125	12.4	9.8	14.8	





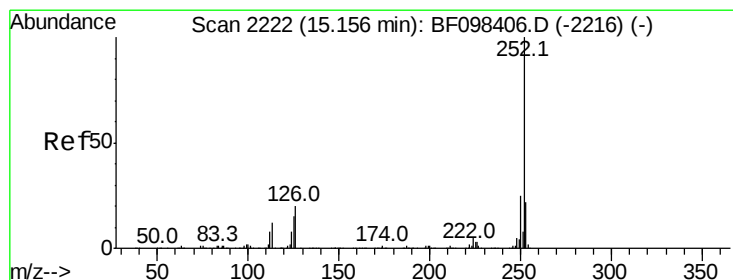
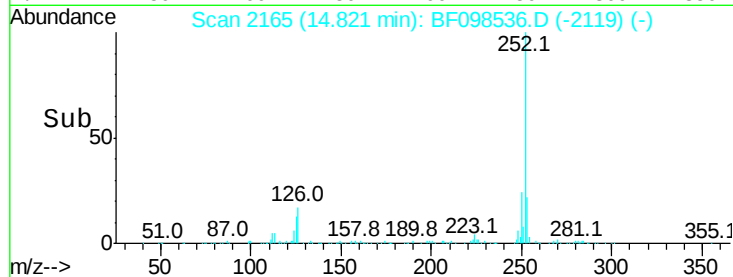
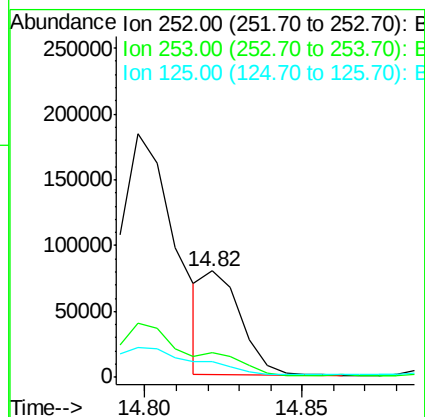
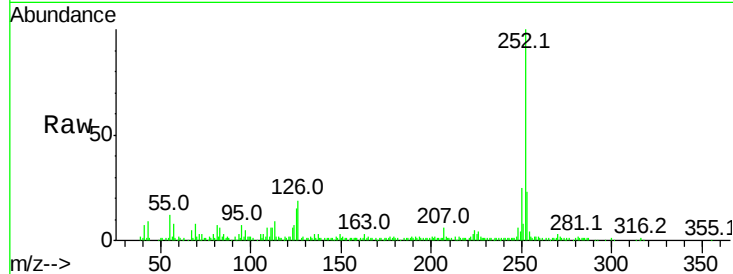
#88
Benzo(k)fluoranthene
Concen: 3.768 ng m
RT: 14.82 min Scan# 2165
Delta R.T. -0.03 min
Lab File: BF098536.D
Acq: 14 Sep 2017 19:02

Instrument :
BNA_F
ClientSampled :
G-8B-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.4	27.6
125	14.8	13.1	19.7

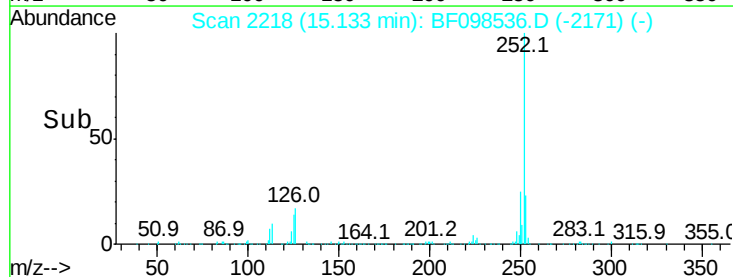
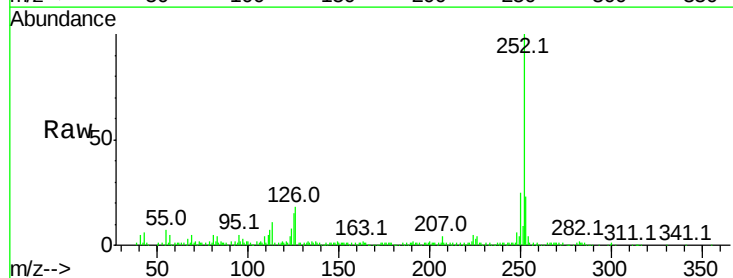
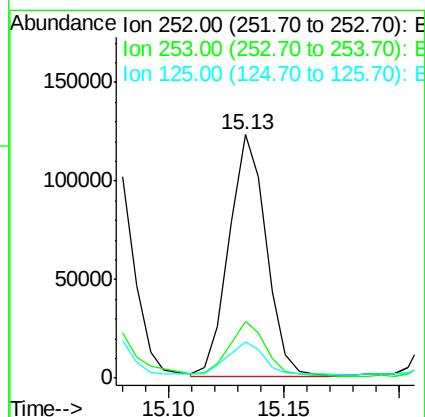
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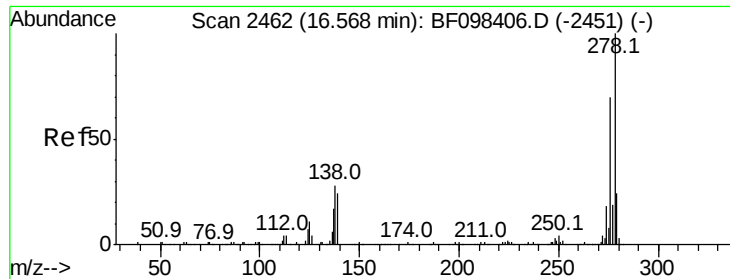
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#89
Benzo(a)pyrene
Concen: 8.338 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.02 min
Lab File: BF098536.D
Acq: 14 Sep 2017 19:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.5	26.3
125	15.0	11.0	16.4





#90

Dibenzo(a,h)anthracene

Concen: 2.546 ng

RT: 16.53 min Scan# 2455

Delta R.T. -0.04 min

Lab File: BF098536.D

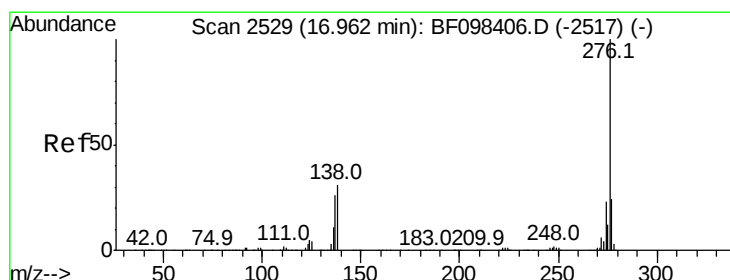
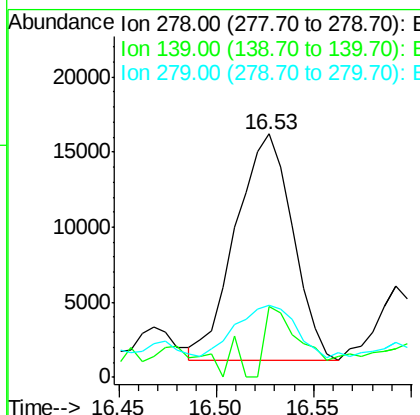
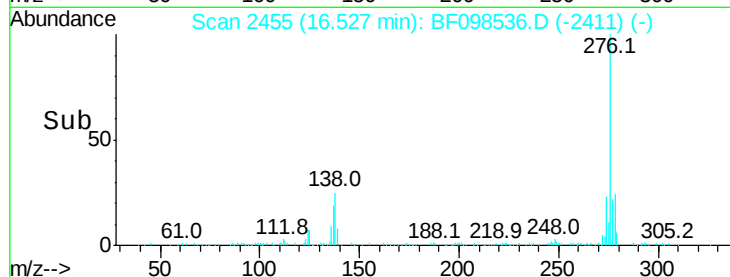
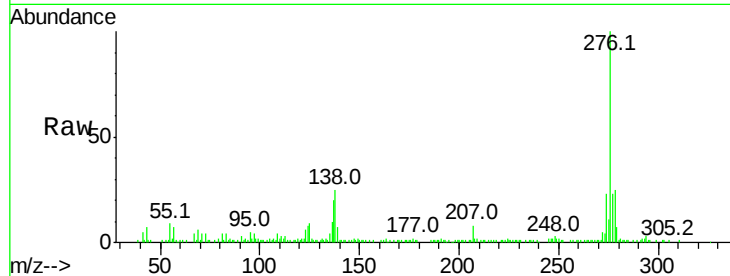
Acq: 14 Sep 2017 19:02

Instrument :
BNA_F
ClientSampled :
G-8B-2

Tot Ion	Ratio	Lower	Upper
278	100		
139	29.3	16.6	24.8#
279	29.4	19.3	28.9#

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 9.555 ng

RT: 16.92 min Scan# 2522

Delta R.T. -0.04 min

Lab File: BF098536.D

Acq: 14 Sep 2017 19:02

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.6	28.0
138	27.8	25.4	38.0

