

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091417\
 Data File : BF098543.D
 Acq On : 14 Sep 2017 22:21
 Operator : SJ/JU
 Sample : I5161-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RL-14-14.25-28.5

Manual Integrations
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Sohil
 9/15/2017 5:44:00 PM

Quant Time: Sep 15 06:42:45 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	127606	20.00	ng	-0.02
21) Naphthalene-d8	7.93	136	533442	20.00	ng	-0.02
38) Acenaphthene-d10	9.68	164	235384	20.00	ng	-0.02
63) Phenanthrene-d10	11.16	188	379143	20.00	ng	-0.02
75) Chrysene-d12	13.79	240	267664	20.00	ng	-0.02
86) Perylene-d12	15.19	264	295885	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	996411	115.45	ng	-0.02
7) Phenol-d6	6.30	99	1223012	111.61	ng	-0.02
23) Nitrobenzene-d5	7.22	82	676447	70.69	ng	-0.02
41) 2,4,6-Tribromophenol	10.47	330	186811	118.91	ng	-0.02
44) 2-Fluorobiphenyl	9.01	172	917494	66.07	ng	-0.02
78) Terphenyl-d14	12.75	244	605128	48.80	ng	-0.02
Target Compounds						
10) Phenol	6.32	94	38668	3.038	ng	98
20) 3+4-Methylphenols	7.09	107	51253	5.248	ng	# 56
49) Dimethylphthalate	9.40	163	151689	8.325	ng	98
70) Phenanthrene	11.19	178	284717	14.165	ng	97
71) Anthracene	11.24	178	78101	3.785	ng	96
74) Fluoranthene	12.37	202	338778	16.837	ng	99
77) Pyrene	12.60	202	268171	12.700	ng	98
80) Benzo(a)anthracene	13.79	228	150123	9.566	ng	95
82) Chrysene	13.82	228	137495	8.668	ng	95
85) Indeno(1,2,3-cd)pyrene	16.53	276	61487	5.525	ng	93
87) Benzo(b)fluoranthene	14.80	252	163547m	8.791	ng	
88) Benzo(k)fluoranthene	14.83	252	60991m	3.512	ng	
89) Benzo(a)pyrene	15.13	252	127504	7.693	ng	96
91) Benzo(a,h,i)perylene	16.93	276	49703	4.099	ng	94

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

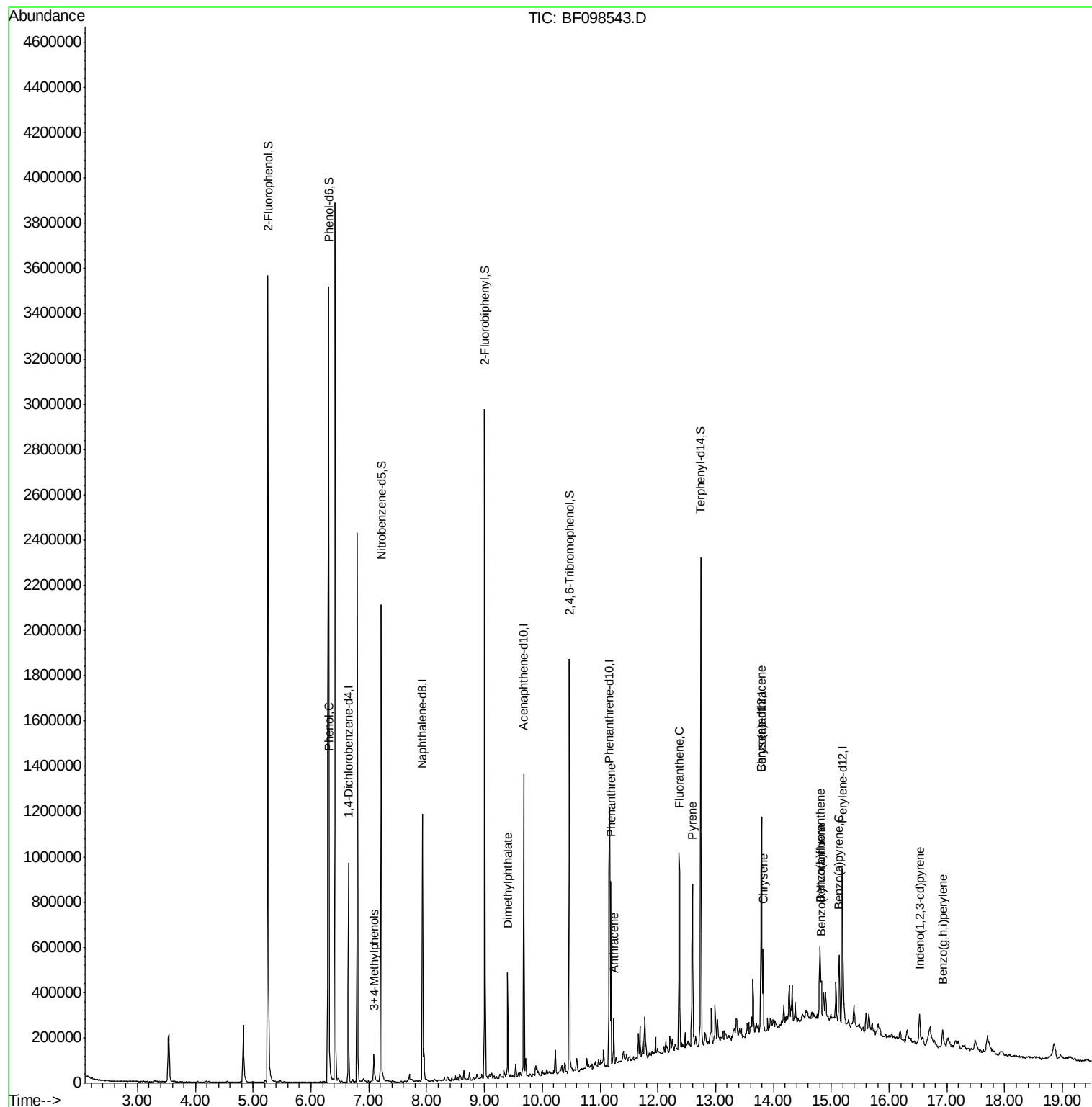
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF091417\
Data File : BF098543.D
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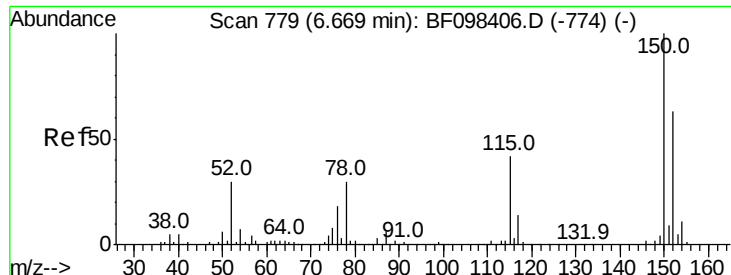
Instrument :
BNA_F
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RL-14-14.25-28.5

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
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#1

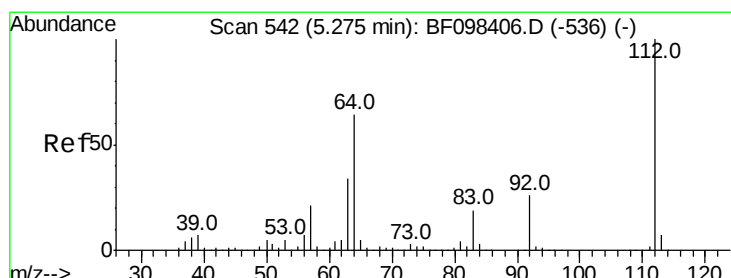
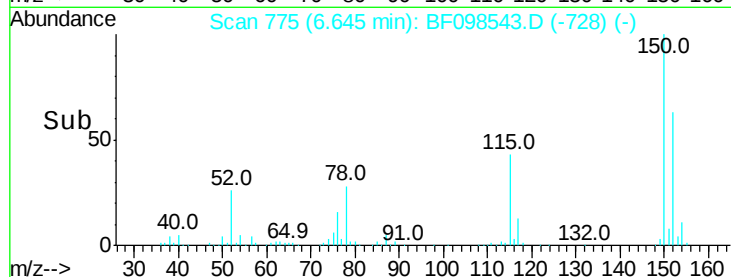
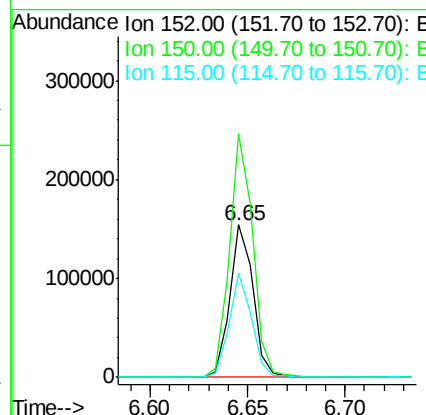
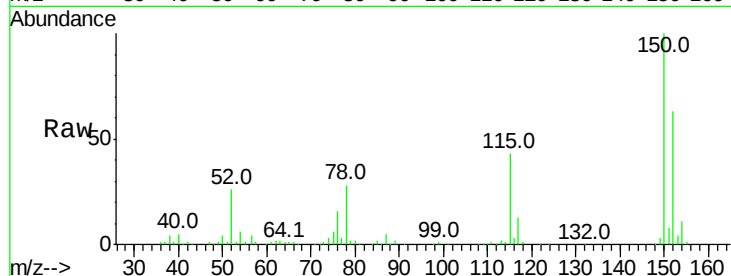
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.65 min Scan# 775
Delta R.T. -0.02 min
Lab File: BF098543.D
Acq: 14 Sep 2017 22:21

Instrument :
BNA_F
ClientSampleId :
RL-14-14.25-28.5

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.0	126.2	189.2
115	68.3	52.2	78.2

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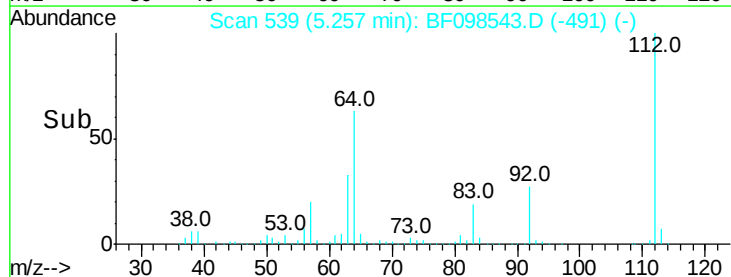
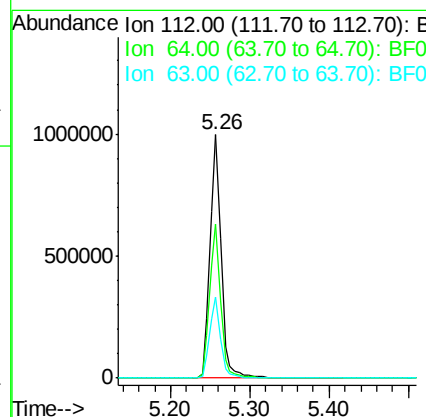
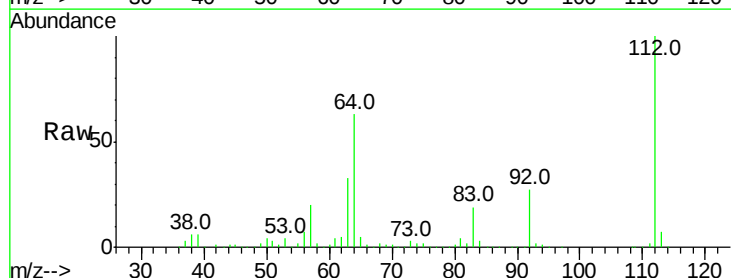
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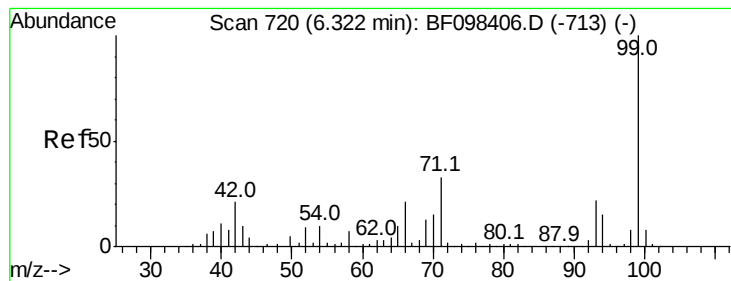


#5

2-Fluorophenol
Concen: 115.450 ng
RT: 5.26 min Scan# 539
Delta R.T. -0.02 min
Lab File: BF098543.D
Acq: 14 Sep 2017 22:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.4	46.0	69.0
63	33.2	23.4	35.0





#7

Phenol-d6

Concen: 111.609 ng

RT: 6.30 min Scan# 717

Delta R.T. -0.02 min

Lab File: BF098543.D

Acq: 14 Sep 2017 22:21

Instrument :

BNA_F

ClientSampleId :

RL-14-14.25-28.5

Tot Ion: 99 Resp: 1223012

Ion Ratio Lower Upper

99 100

42 18.2 13.5 20.3

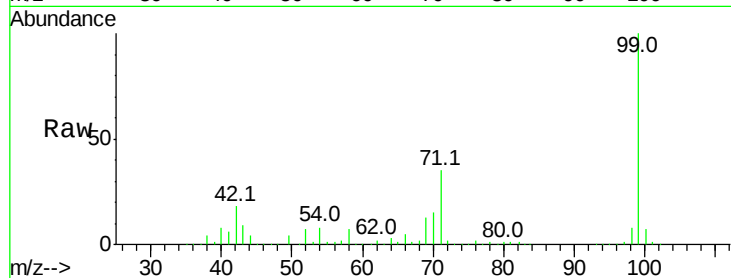
71 35.1 24.5 36.7

Manual Integrations

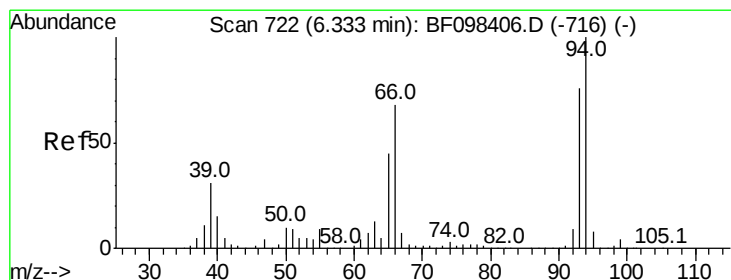
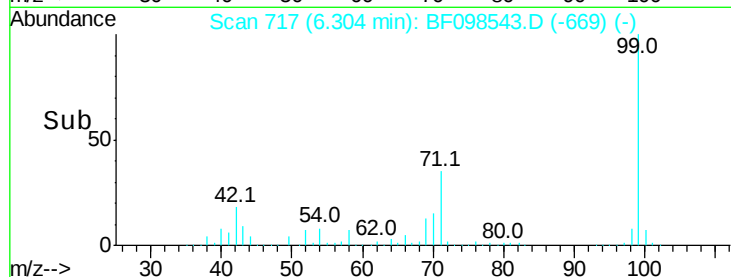
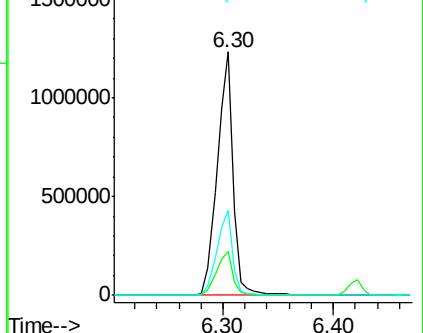
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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 3.038 ng

RT: 6.32 min Scan# 719

Delta R.T. -0.02 min

Lab File: BF098543.D

Acq: 14 Sep 2017 22:21

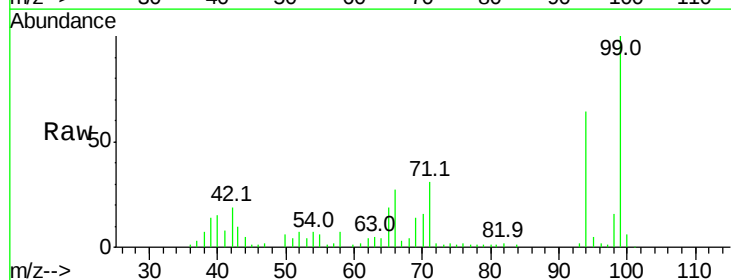
Tgt Ion: 94 Resp: 38668

Ion Ratio Lower Upper

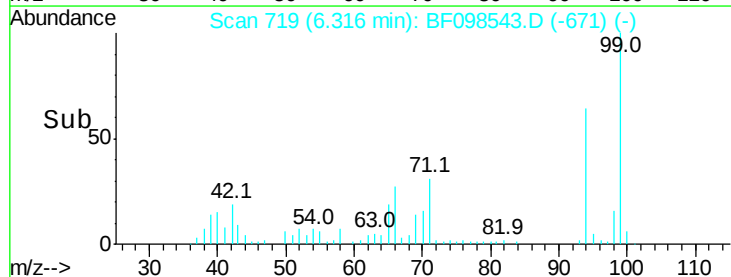
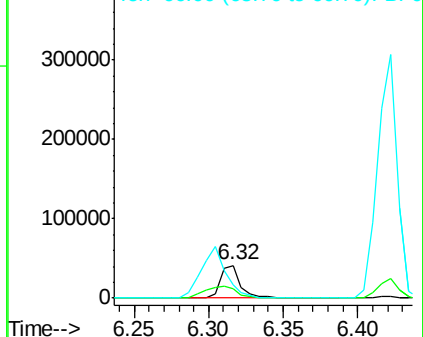
94 100

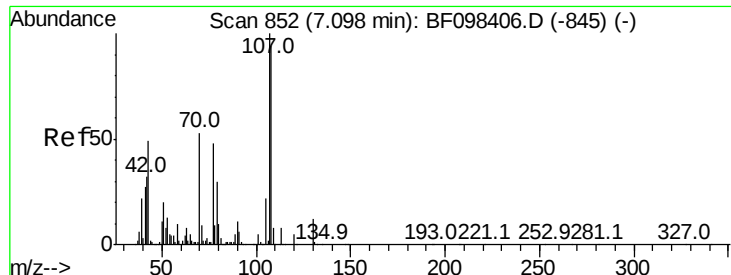
65 28.7 9.9 49.9

66 41.8 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





#20

3+4-Methylphenols

Concen: 5.248 ng

RT: 7.09 min Scan# 850

Delta R.T. -0.01 min

Lab File: BF098543.D

Acq: 14 Sep 2017 22:21

Instrument :

BNA_F

ClientSampleId :

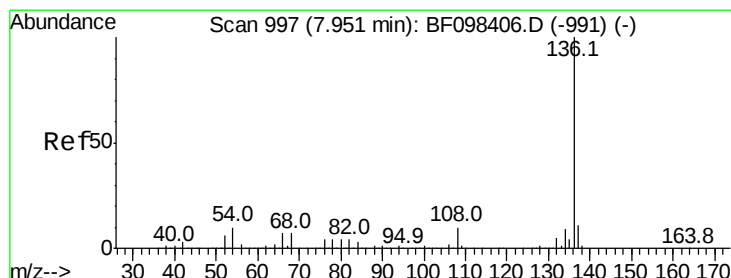
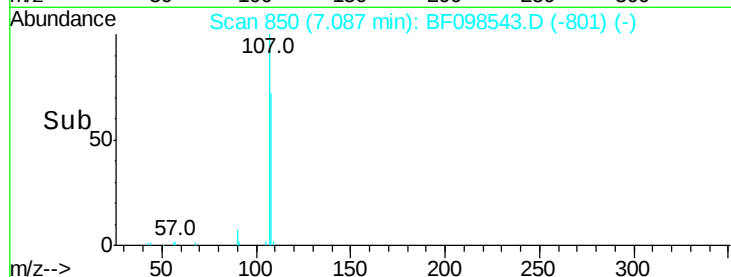
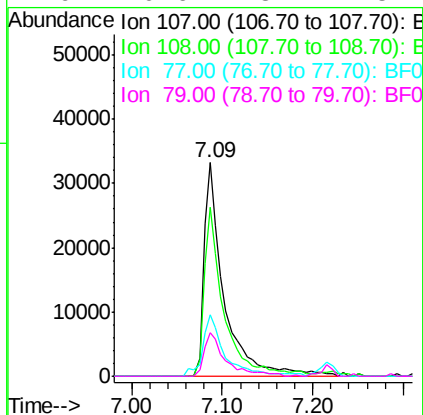
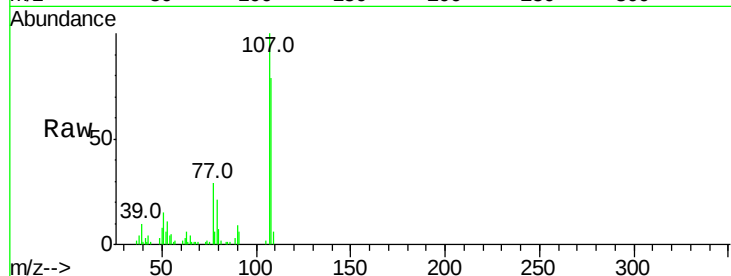
RL-14-14.25-28.5

Tot Ion:	107	Resp:	51253
Ion Ratio	Lower	Upper	
107	100		
108	79.3	71.0	111.0
77	28.9	90.5	130.5#
79	20.6	8.4	48.4

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#21

Naphthalene-d8

Concen: 20.000 ng

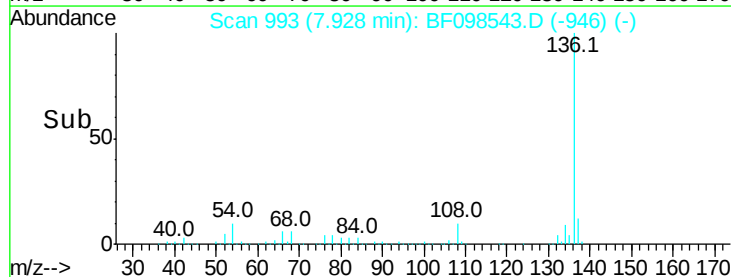
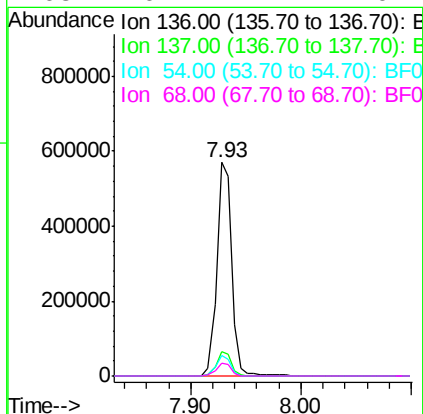
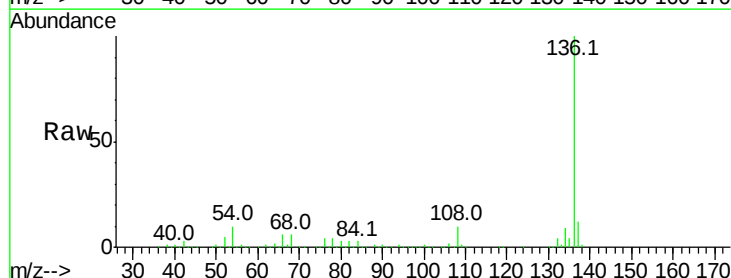
RT: 7.93 min Scan# 993

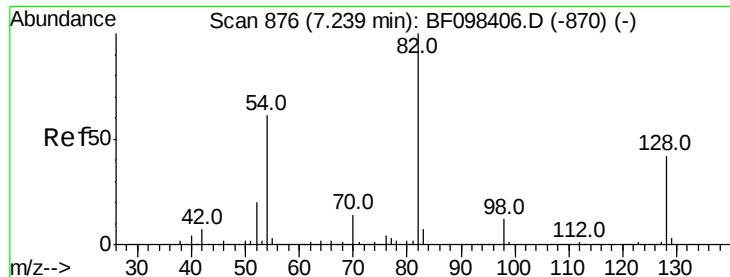
Delta R.T. -0.02 min

Lab File: BF098543.D

Acq: 14 Sep 2017 22:21

Tgt Ion:	136	Resp:	533442
Ion Ratio	Lower	Upper	
136	100		
137	11.6	8.5	12.7
54	9.8	4.9	7.3#
68	6.2	4.1	6.1#





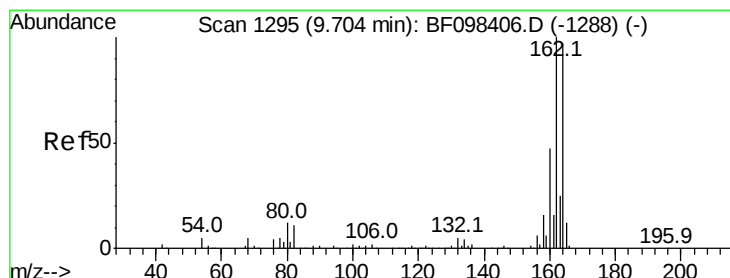
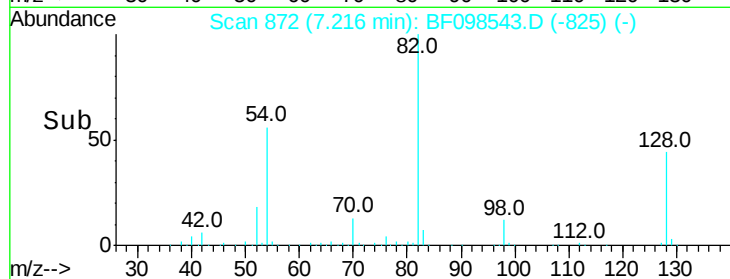
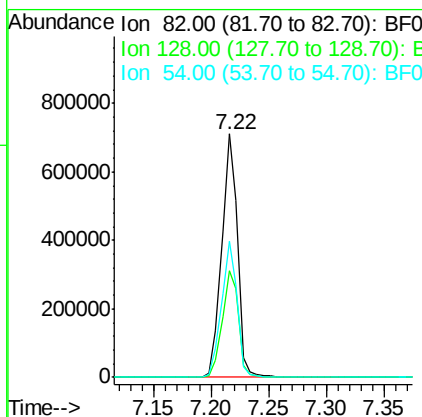
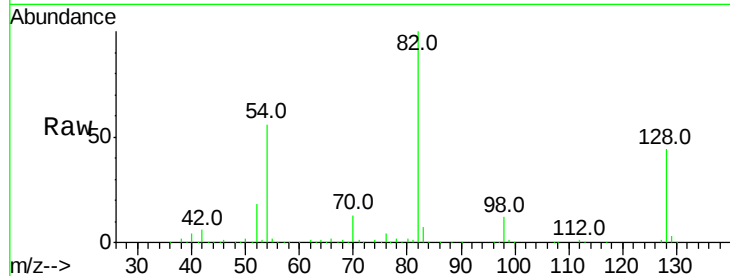
#23
Nitrobenzene-d5
Concen: 70.695 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.02 min
Lab File: BF098543.D
Acq: 14 Sep 2017 22:21

Instrument :
BNA_F
ClientSampleId :
RL-14-14.25-28.5

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.0	34.0	51.0
54	55.8	42.2	63.2

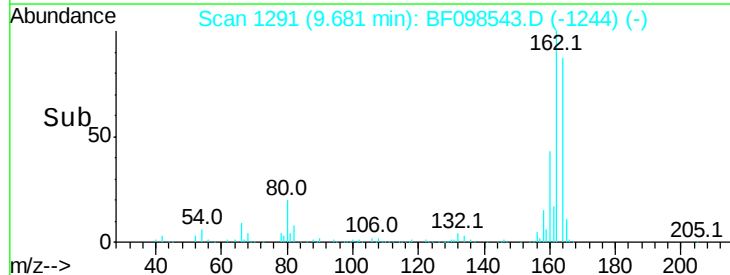
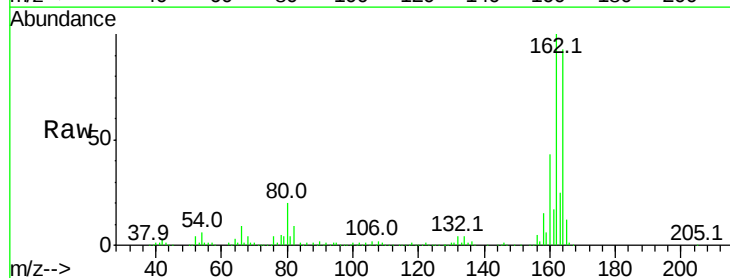
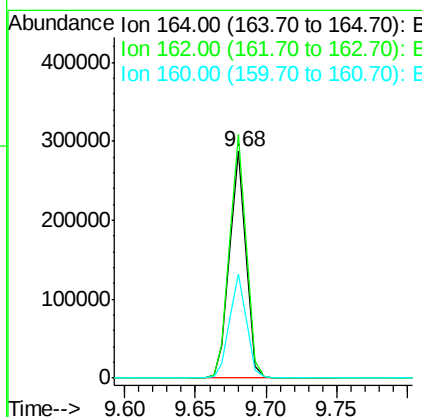
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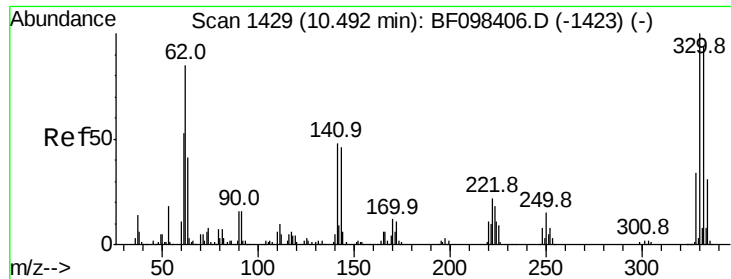
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.68 min Scan# 1291
Delta R.T. -0.02 min
Lab File: BF098543.D
Acq: 14 Sep 2017 22:21

Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.4	82.6	123.8
160	45.7	36.2	54.2





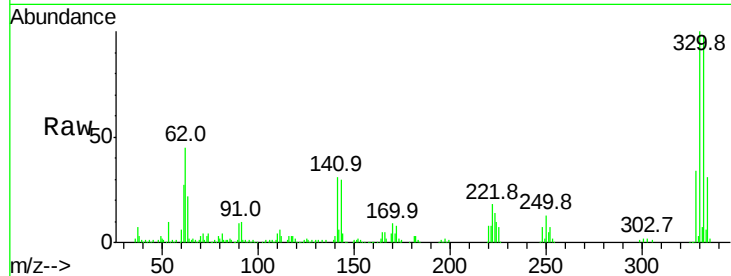
#41
 2,4,6-Tribromophenol
 Concen: 118.912 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. -0.02 min
 Lab File: BF098543.D
 Acq: 14 Sep 2017 22:21

Instrument :
 BNA_F
 ClientSampleId :
 RL-14-14.25-28.5

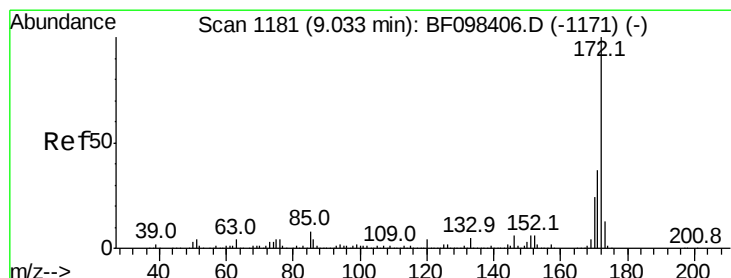
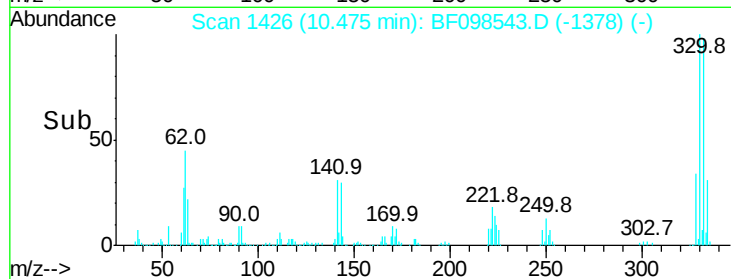
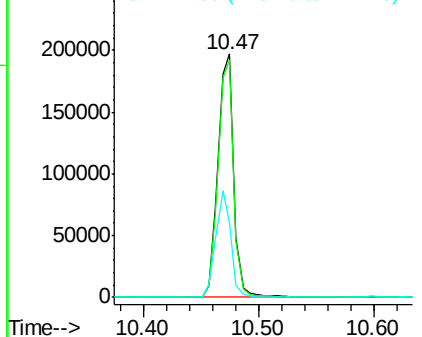
Tot Ion	Ratio	Resp	Lower	Upper
330	100	186811		
332	96.7	76.6	115.0	
141	41.9	31.4	47.2	

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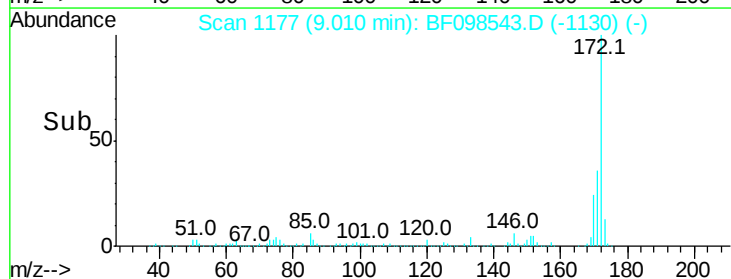
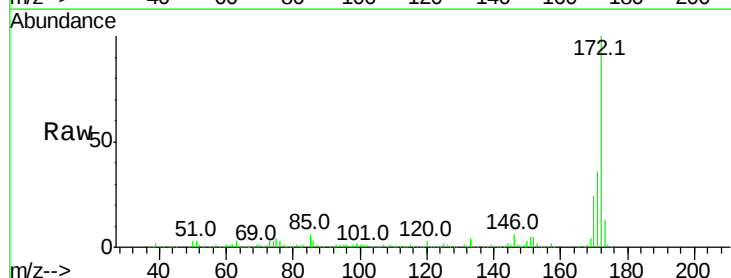
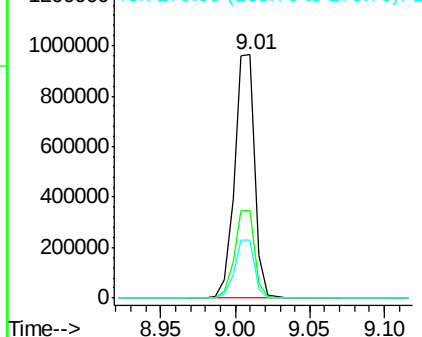
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

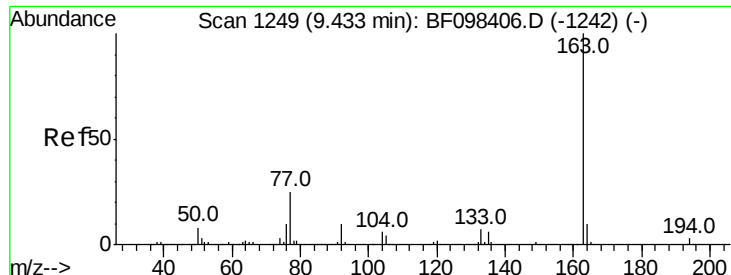


#44
 2-Fluorobiphenyl
 Concen: 66.066 ng
 RT: 9.01 min Scan# 1177
 Delta R.T. -0.02 min
 Lab File: BF098543.D
 Acq: 14 Sep 2017 22:21

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	917494		
171	36.0	29.6	44.4	
170	23.8	19.8	29.8	

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





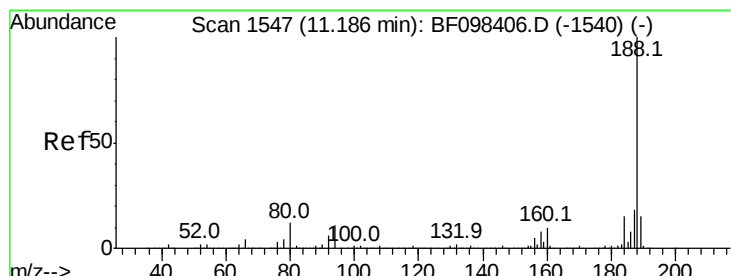
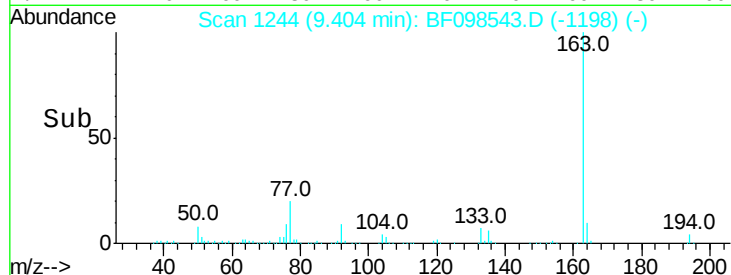
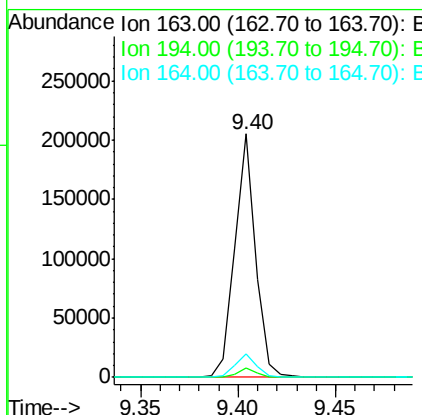
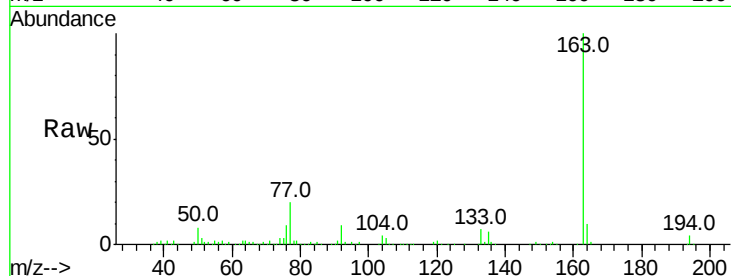
#49
Dimethylphthalate
Concen: 8.325 ng
RT: 9.40 min Scan# 1244
Delta R.T. -0.03 min
Lab File: BF098543.D
Acq: 14 Sep 2017 22:21

Instrument :
BNA_F
ClientSampleId :
RL-14-14.25-28.5

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.7	2.6	4.0	
164	9.5	8.4	12.6	

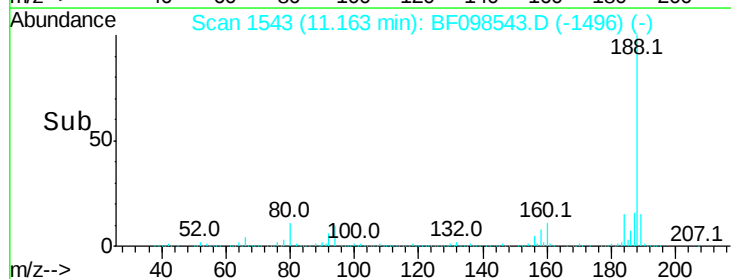
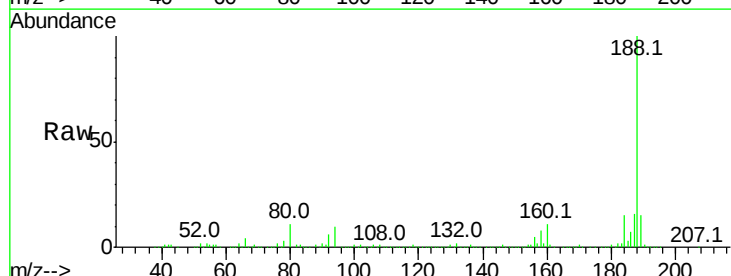
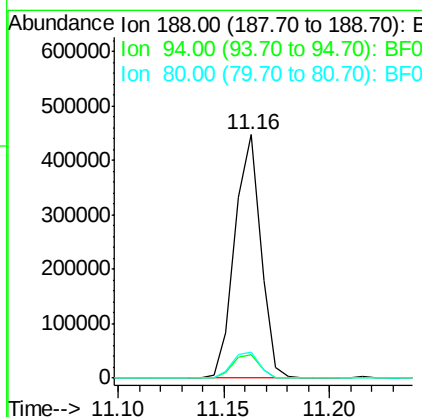
Manual Integrations
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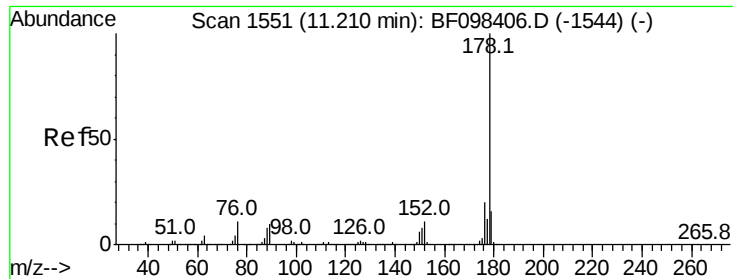
Sohil
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.16 min Scan# 1543
Delta R.T. -0.02 min
Lab File: BF098543.D
Acq: 14 Sep 2017 22:21

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





#70

Phenanthrene

Concen: 14.165 ng

RT: 11.19 min Scan# 1547

Delta R.T. -0.02 min

Lab File: BF098543.D

Acq: 14 Sep 2017 22:21

Instrument :

BNA_F

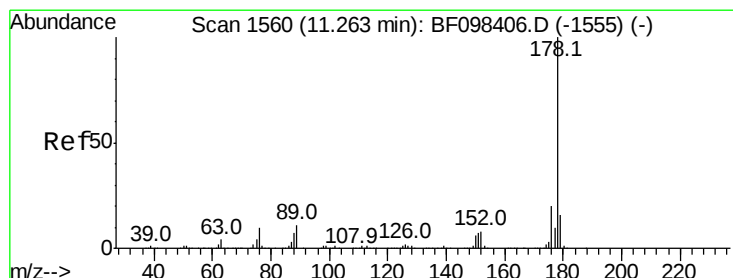
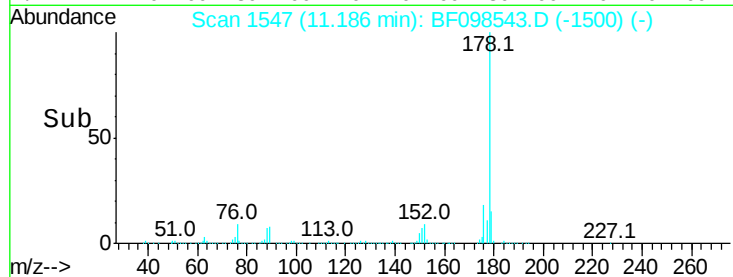
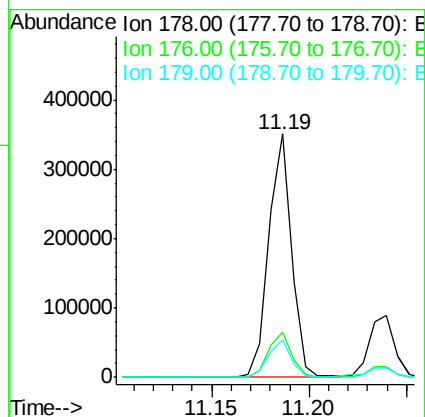
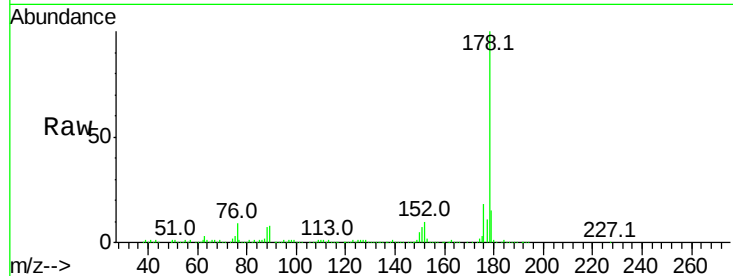
ClientSampleId :

RL-14-14.25-28.5

Tot Ion:	178	Resp:	284717
Ion Ratio	Lower	Upper	
178	100		
176	18.4	16.2	24.4
179	15.2	12.6	19.0

Manual Integrations
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#71

Anthracene

Concen: 3.785 ng

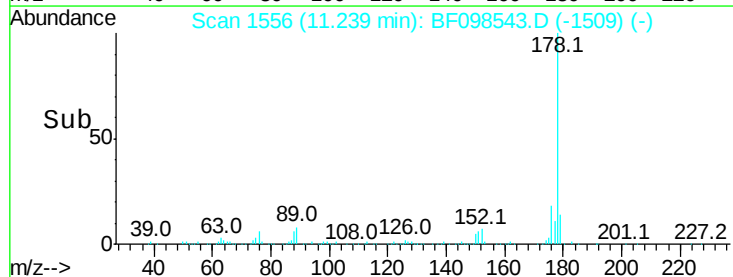
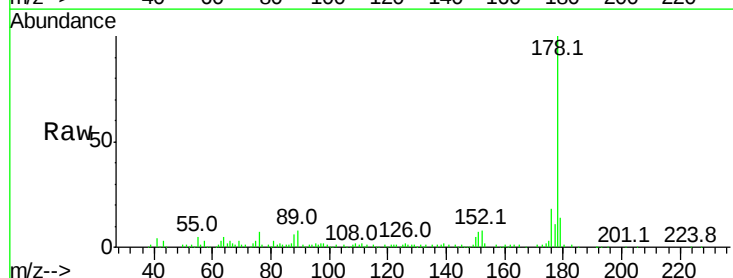
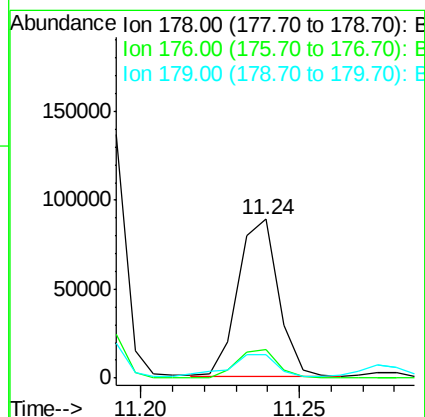
RT: 11.24 min Scan# 1556

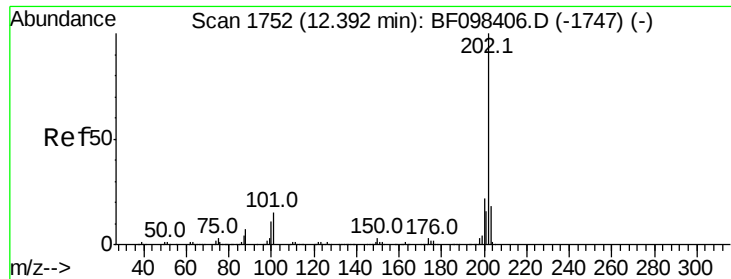
Delta R.T. -0.02 min

Lab File: BF098543.D

Acq: 14 Sep 2017 22:21

Tgt Ion:	178	Resp:	78101
Ion Ratio	Lower	Upper	
178	100		
176	18.1	15.8	23.8
179	14.5	12.7	19.1





#74

Fluoranthene

Concen: 16.837 ng

RT: 12.37 min Scan# 1748

Delta R.T. -0.02 min

Lab File: BF098543.D

Acq: 14 Sep 2017 22:21

Instrument :

BNA_F

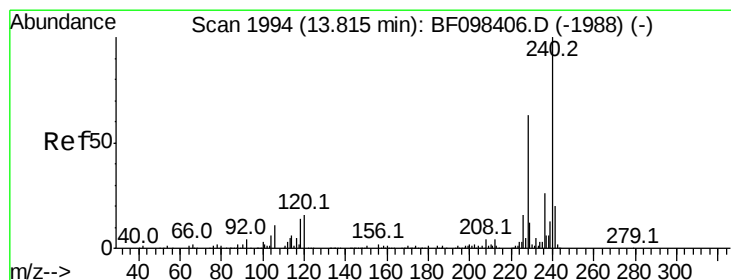
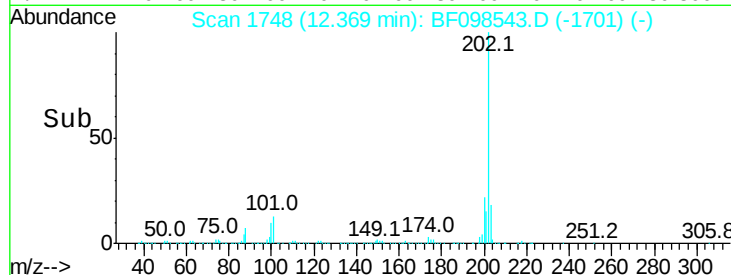
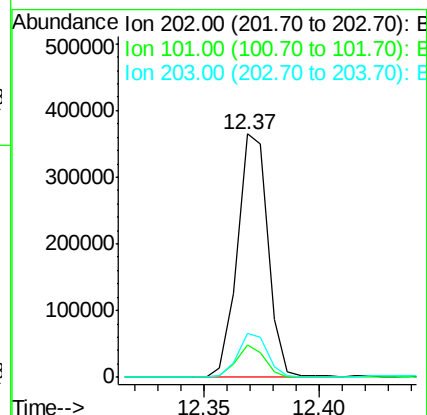
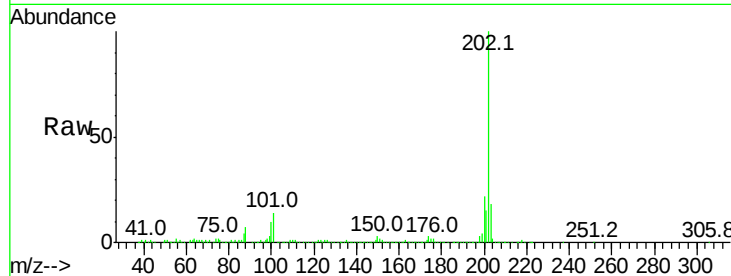
ClientSampleId :

RL-14-14.25-28.5

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.6	0.0	33.2
203	17.9	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

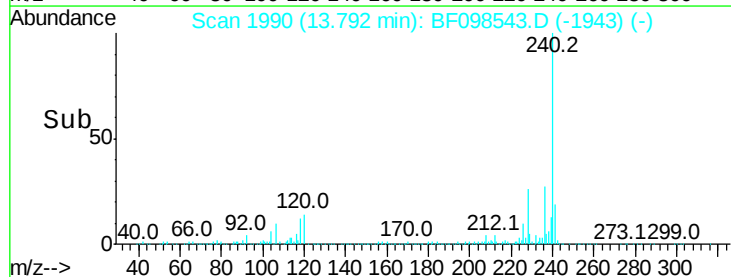
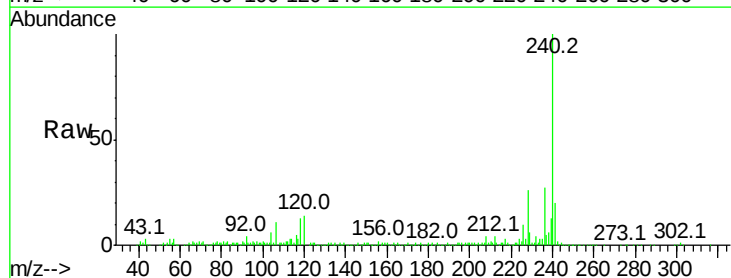
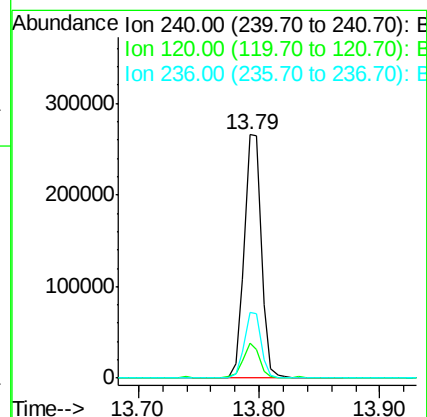
RT: 13.79 min Scan# 1990

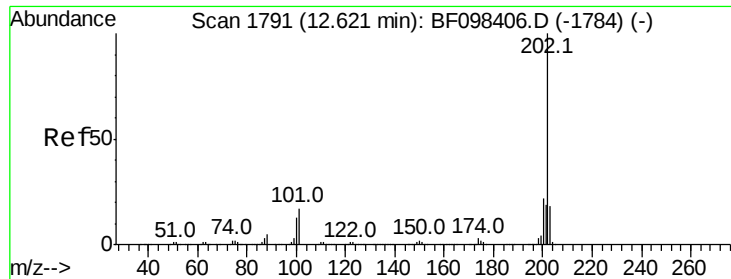
Delta R.T. -0.02 min

Lab File: BF098543.D

Acq: 14 Sep 2017 22:21

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	14.4	5.8	8.8#
236	26.8	20.5	30.7





#77

Pvrene

Concen: 12.700 ng

RT: 12.60 min Scan# 1787

Delta R.T. -0.02 min

Lab File: BF098543.D

Acq: 14 Sep 2017 22:21

Instrument :

BNA_F

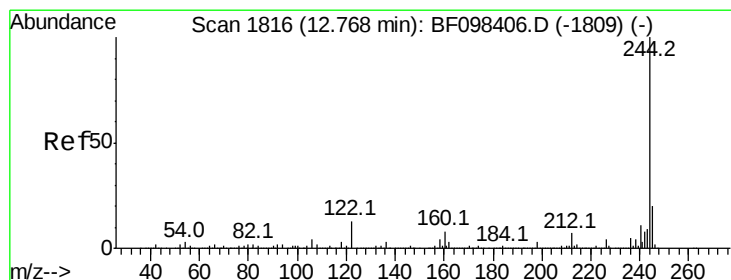
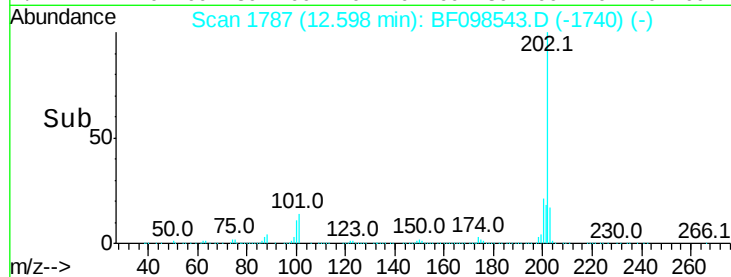
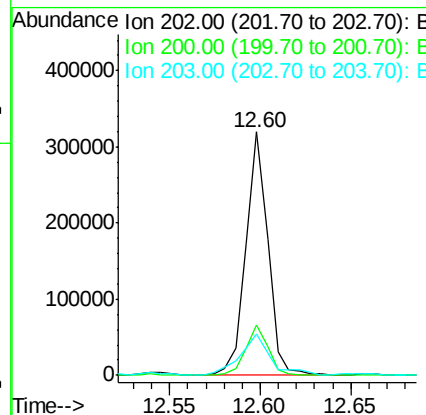
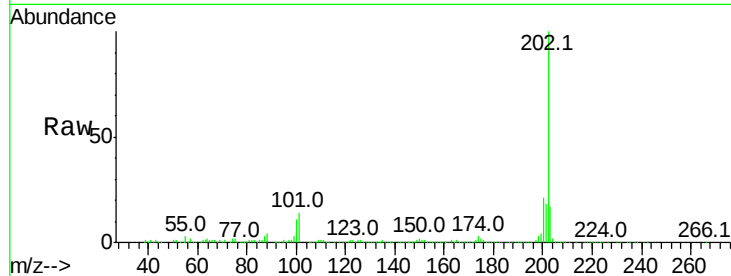
ClientSampleId :

RL-14-14.25-28.5

Tot Ion:	202	Resp:	268171
Ion Ratio		Lower	Upper
202	100		
200	20.9	17.6	26.4
203	16.8	14.4	21.6

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#78

Terphenyl-d14

Concen: 48.798 ng

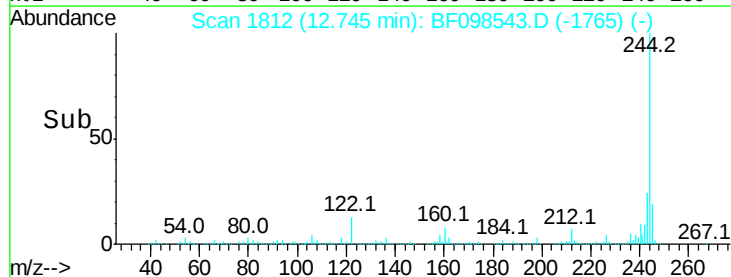
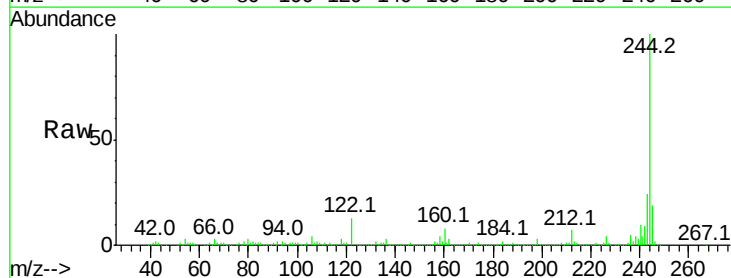
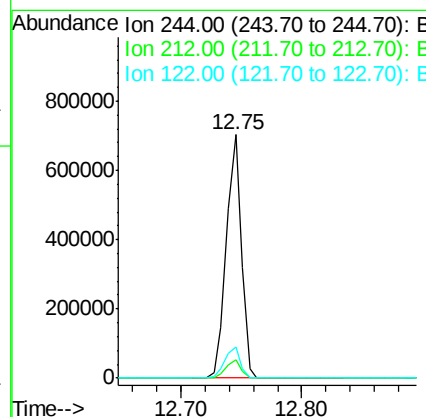
RT: 12.75 min Scan# 1812

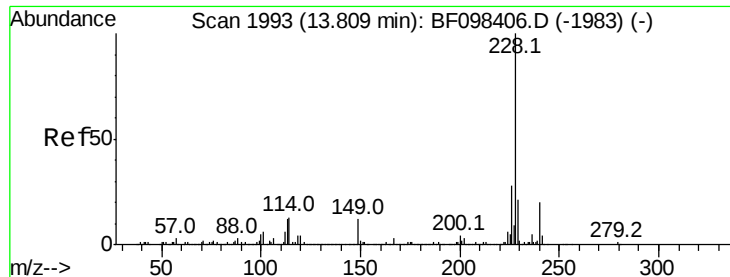
Delta R.T. -0.02 min

Lab File: BF098543.D

Acq: 14 Sep 2017 22:21

Tgt Ion:	244	Resp:	605128
Ion Ratio		Lower	Upper
244	100		
212	7.3	6.0	9.0
122	12.8	10.3	15.5





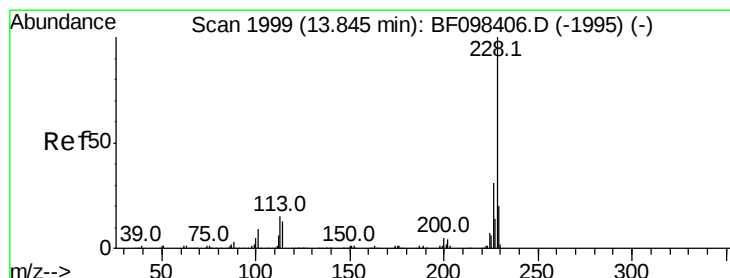
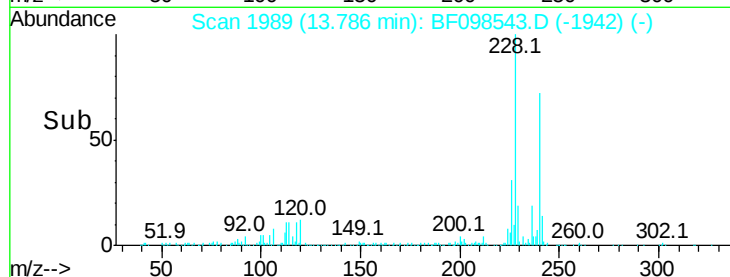
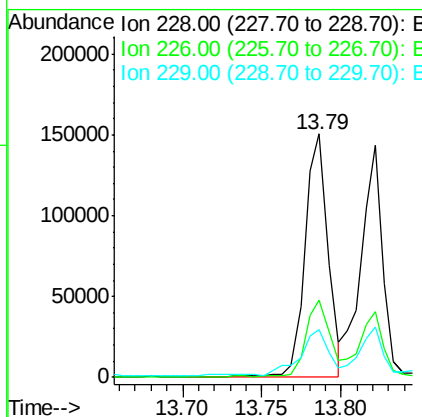
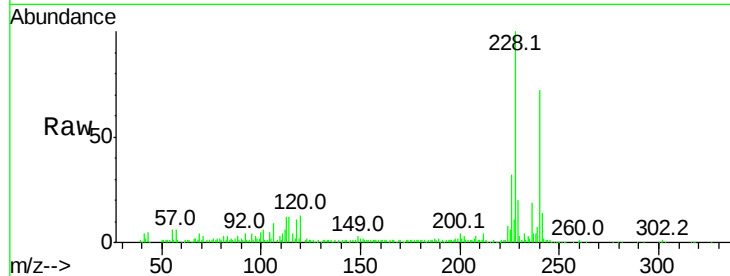
#80
Benzo(a)anthracene
Concen: 9.566 ng
RT: 13.79 min Scan# 1989
Delta R.T. -0.02 min
Lab File: BF098543.D
Acq: 14 Sep 2017 22:21

Instrument :
BNA_F
ClientSampleId :
RL-14-14.25-28.5

Tot Ion:	228	Resp:	150123
Ion Ratio	Lower	Upper	
228	100		
226	31.7	22.6	33.8
229	19.6	16.3	24.5

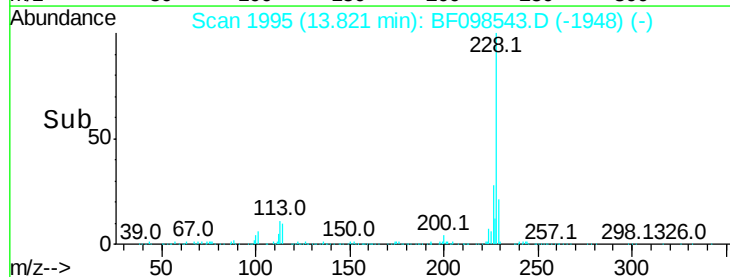
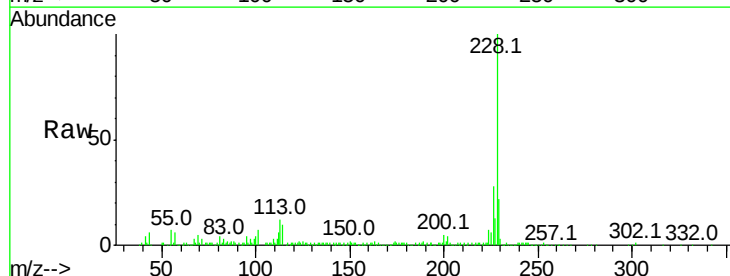
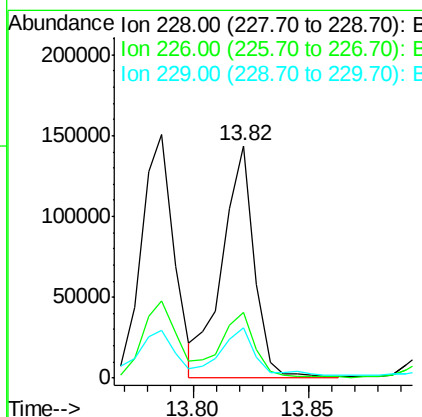
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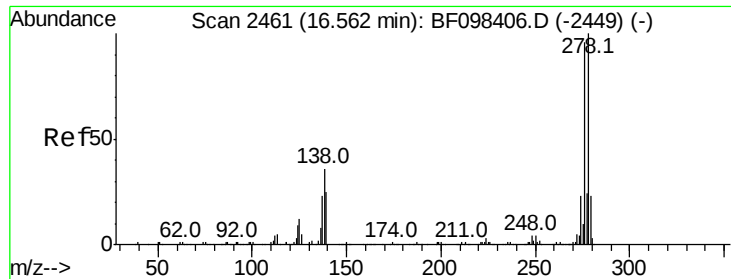
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#82
Chrysene
Concen: 8.668 ng
RT: 13.82 min Scan# 1995
Delta R.T. -0.02 min
Lab File: BF098543.D
Acq: 14 Sep 2017 22:21

Tgt Ion:	228	Resp:	137495
Ion Ratio	Lower	Upper	
228	100		
226	28.2	24.9	37.3
229	21.6	15.8	23.6





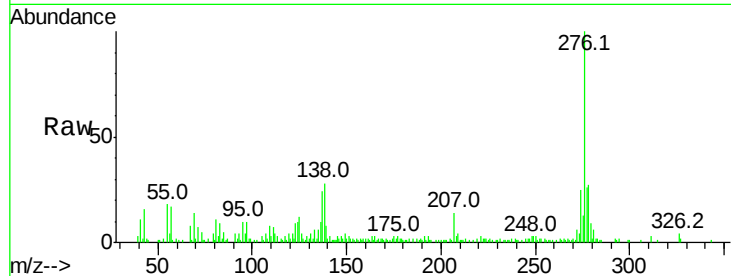
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.525 ng
RT: 16.53 min Scan# 2455
Delta R.T. -0.04 min
Lab File: BF098543.D
Acq: 14 Sep 2017 22:21

Instrument :
BNA_F
ClientSampleId :
RL-14-14.25-28.5

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.8	27.8	41.6
277	24.1	20.2	30.4

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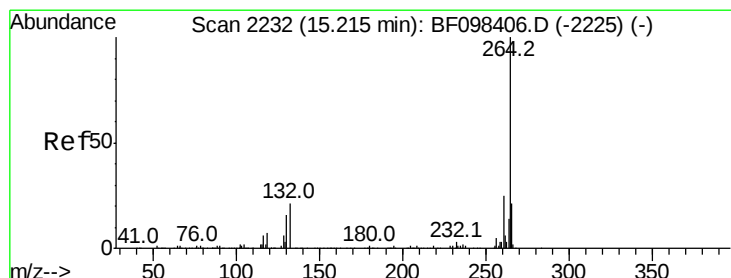
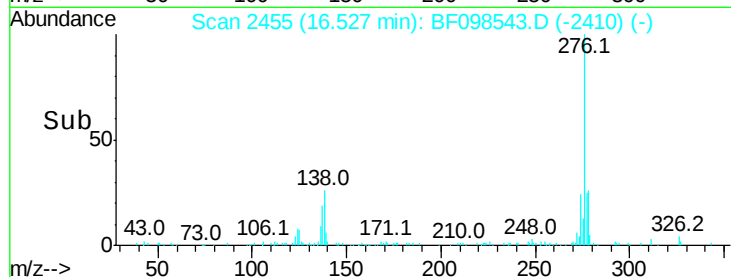
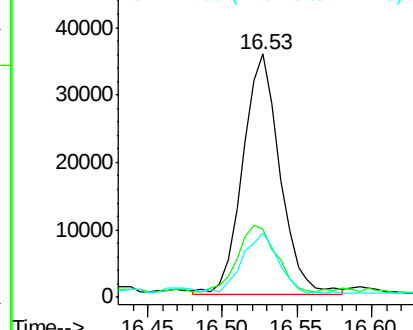


Abundance

Ion 276.00 (275.70 to 276.70): E

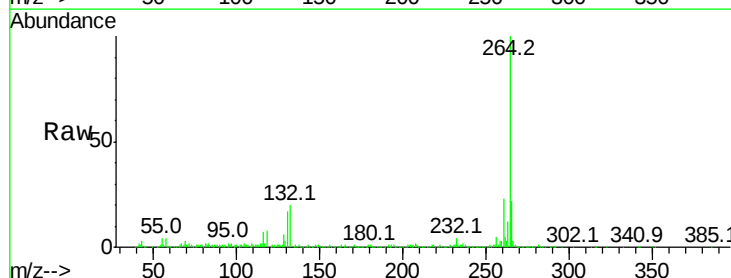
Ion 138.00 (137.70 to 138.70): E

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. -0.02 min
Lab File: BF098543.D
Acq: 14 Sep 2017 22:21

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.5	29.3
265	22.3	17.2	25.8

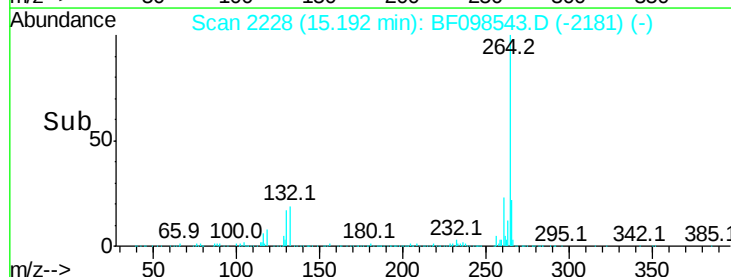
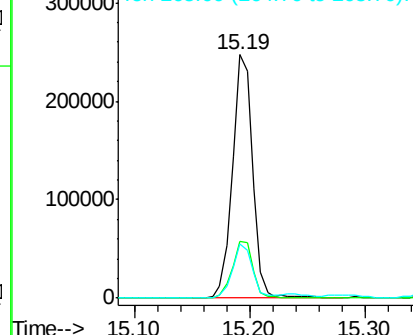


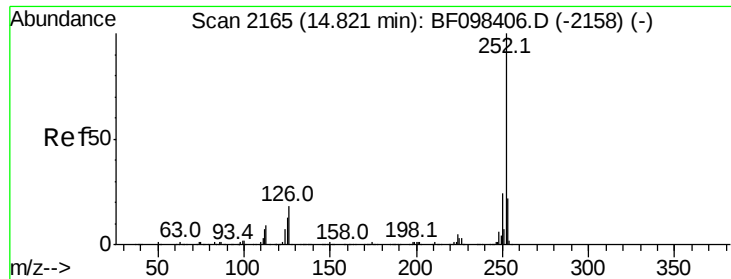
Abundance

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





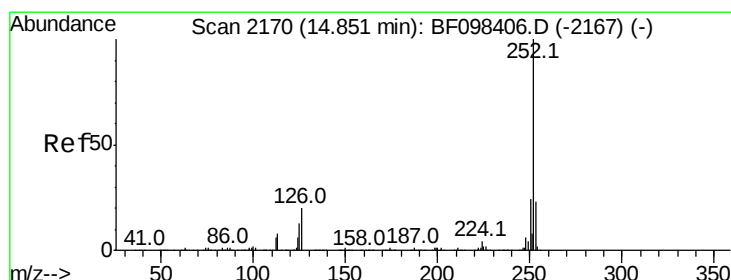
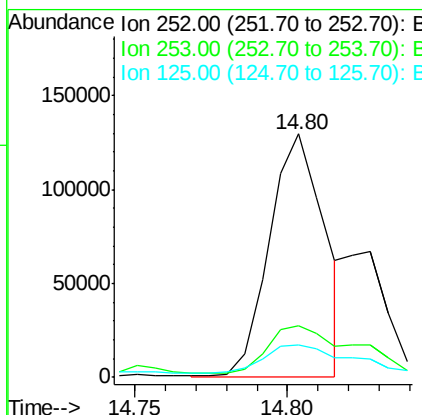
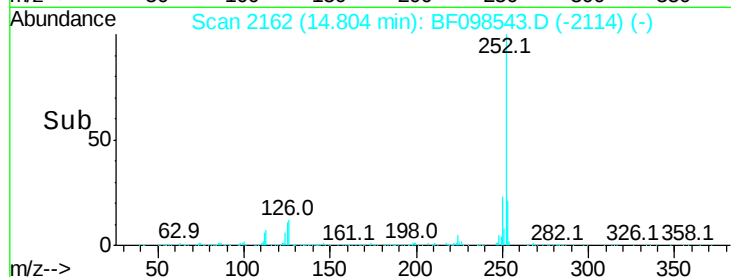
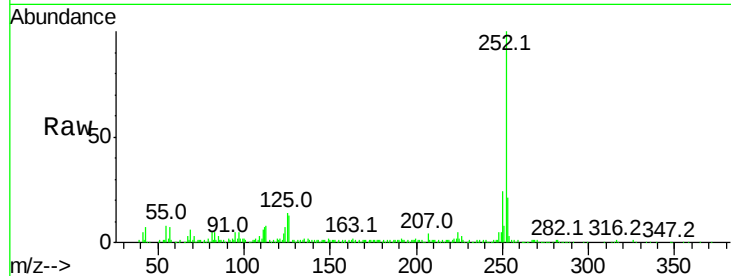
#87
Benzo(b)fluoranthene
Concen: 8.791 ng m
RT: 14.80 min Scan# 2162
Delta R.T. -0.02 min
Lab File: BF098543.D
Acq: 14 Sep 2017 22:21

Instrument :
BNA_F
ClientSampleId :
RL-14-14.25-28.5

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.1	27.1
125	13.6	9.8	14.8

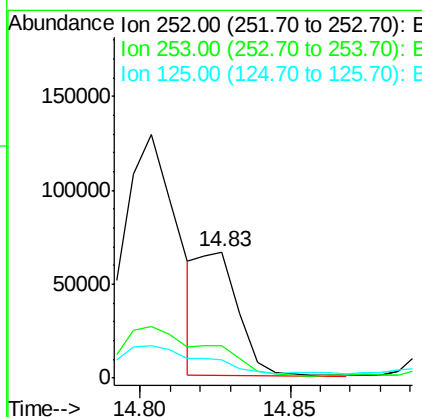
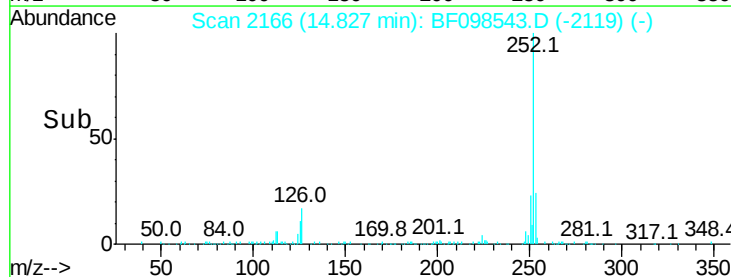
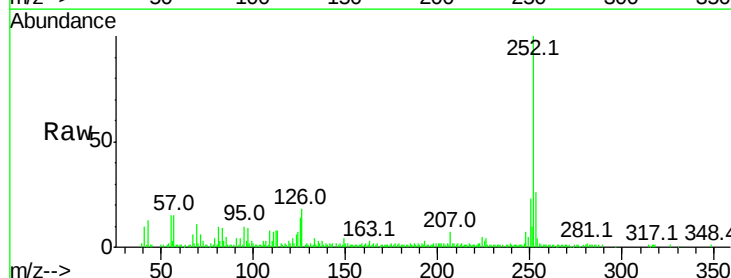
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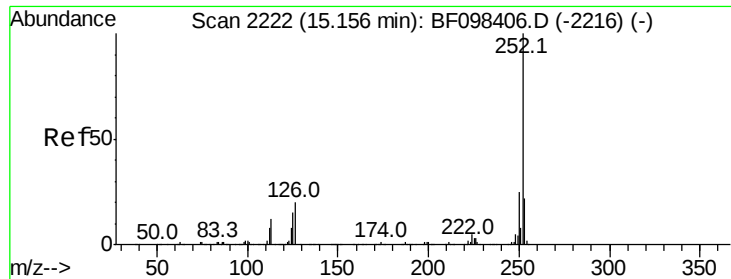
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#88
Benzo(k)fluoranthene
Concen: 3.512 ng m
RT: 14.83 min Scan# 2166
Delta R.T. -0.02 min
Lab File: BF098543.D
Acq: 14 Sep 2017 22:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.8	18.4	27.6
125	14.4	13.1	19.7





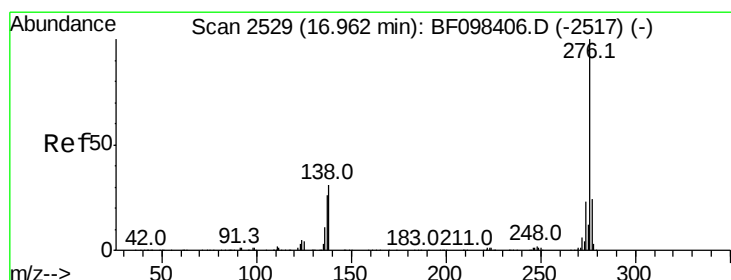
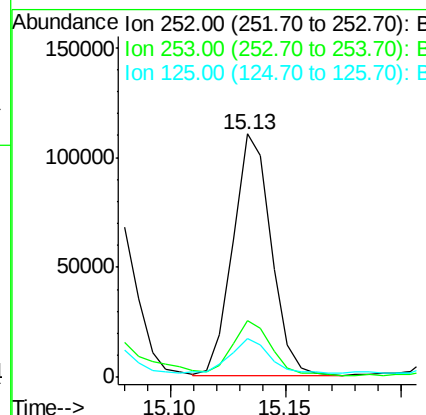
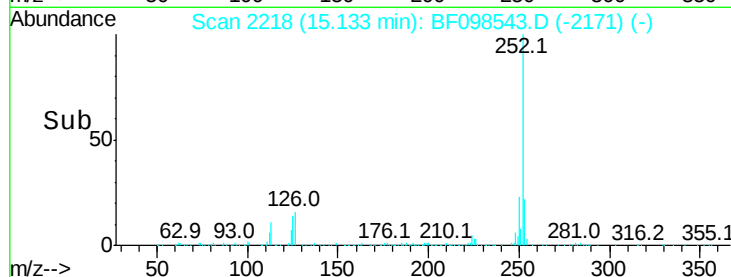
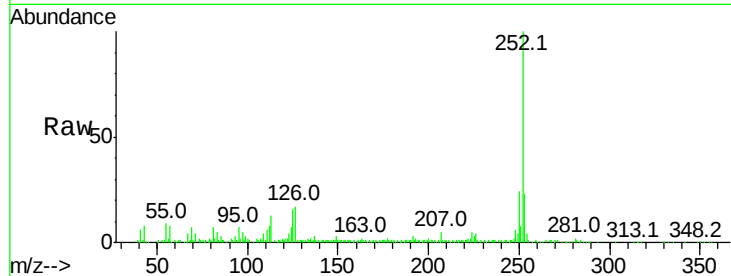
#89
Benzo(a)pyrene
Concen: 7.693 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.02 min
Lab File: BF098543.D
Acq: 14 Sep 2017 22:21

Instrument :
BNA_F
ClientSampleId :
RL-14-14.25-28.5

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.1	17.5	26.3
125	15.9	11.0	16.4

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#91
Benzo(g,h,i)perylene
Concen: 4.099 ng
RT: 16.93 min Scan# 2523
Delta R.T. -0.04 min
Lab File: BF098543.D
Acq: 14 Sep 2017 22:21

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	27.7	18.6	28.0
138	29.4	25.4	38.0

