

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091417\
 Data File : BF098537.D
 Acq On : 14 Sep 2017 19:30
 Operator : SJ/JU
 Sample : I5161-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RL-15-0-17.5

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

Quant Time: Sep 15 05:42:25 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	136133	20.00	ng	-0.02
21) Naphthalene-d8	7.93	136	569758	20.00	ng	-0.02
38) Acenaphthene-d10	9.68	164	258508	20.00	ng	-0.02
63) Phenanthrene-d10	11.16	188	465507	20.00	ng	-0.02
75) Chrysene-d12	13.80	240	294192	20.00	ng	-0.02
86) Perylene-d12	15.20	264	308177	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	980324	106.47	ng	-0.02
7) Phenol-d6	6.30	99	1204920	103.07	ng	-0.02
23) Nitrobenzene-d5	7.22	82	696698	68.17	ng	-0.02
41) 2,4,6-Tribromophenol	10.47	330	229885	133.24	ng	-0.02
44) 2-Fluorobiphenyl	9.01	172	1229671	80.62	ng	-0.02
78) Terphenyl-d14	12.74	244	906266	66.49	ng	-0.02
Target Compounds						
10) Phenol	6.32	94	32869	2.421	ng	Qvalue # 68
20) 3+4-Methylphenols	7.09	107	74485	7.149	ng	# 58
49) Dimethylphthalate	9.40	163	266729	13.329	ng	99
57) Fluorene	10.23	166	47298	2.777	ng	97
70) Phenanthrene	11.19	178	583583	23.648	ng	99
71) Anthracene	11.24	178	113689	4.487	ng	99
72) Carbazole	11.40	167	57014	2.415	ng	97
74) Fluoranthene	12.37	202	842716	34.112	ng	99
77) Pyrene	12.60	202	693291	29.873	ng	98
80) Benzo(a)anthracene	13.79	228	311276	18.047	ng	99
82) Chrysene	13.82	228	290978	16.690	ng	97
83) Bis(2-ethylhexyl)phthalate	13.78	149	50768	4.018	ng	# 98
85) Indeno(1,2,3-cd)pyrene	16.53	276	163119	13.335	ng	# 90
87) Benzo(b)fluoranthene	14.80	252	408896m	21.102	ng	
88) Benzo(k)fluoranthene	14.83	252	100855m	5.575	ng	
89) Benzo(a)pyrene	15.14	252	272859	15.806	ng	98
90) Dibenzo(a,h)anthracene	16.53	278	42372	3.374	ng	# 73
91) Benzo(g,h,i)perylene	16.93	276	158093	12.516	ng	94

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

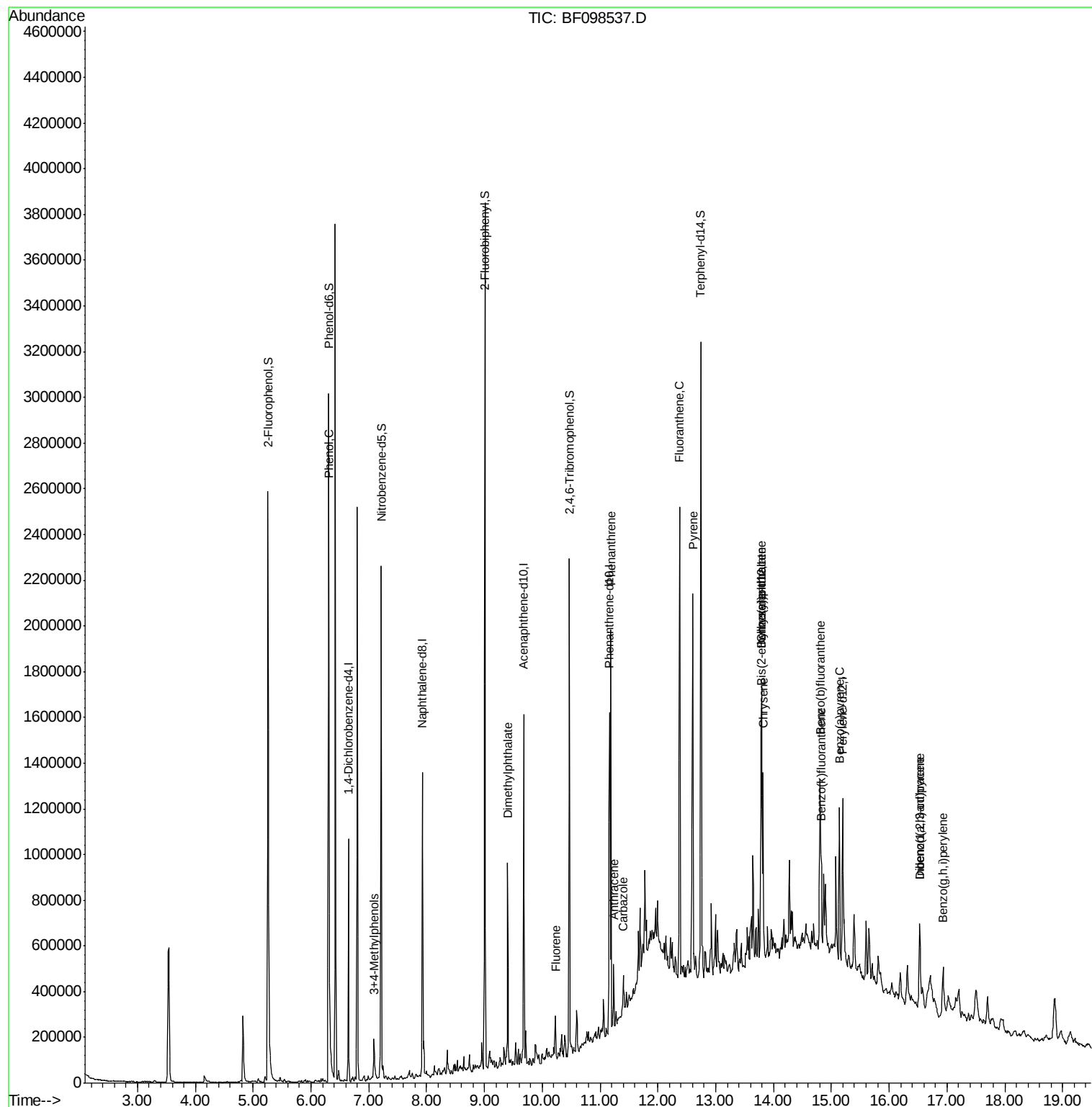
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF091417\
Data File : BF098537.D
Acq On : 14 Sep 2017 19:30
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Sample : I5161-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

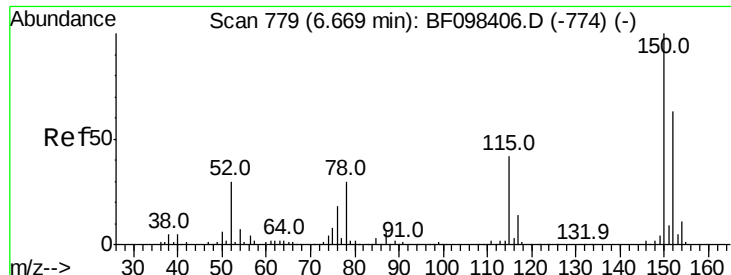
Instrument :
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RL-15-0-17.5

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Quant Time: Sep 15 05:42:25 2017
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QLast Update : Tue Sep 12 02:14:50 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.65 min Scan# 775

Delta R.T. -0.02 min

Lab File: BF098537.D

Acq: 14 Sep 2017 19:30

Instrument :

BNA_F

ClientSampleId :

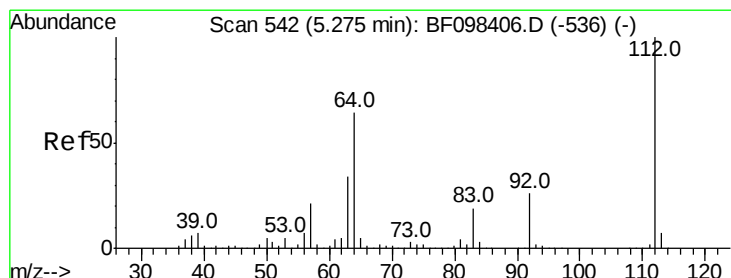
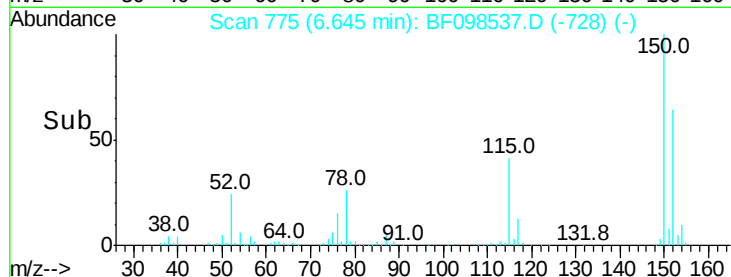
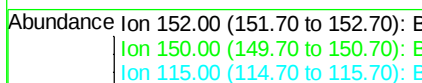
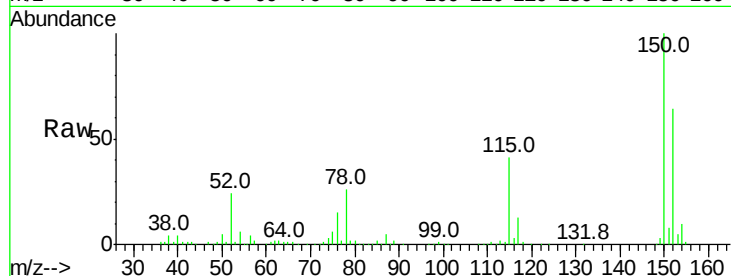
RL-15-0-17.5

Tot Ion:	152	Resp:	136133
Ion Ratio	Lower	Upper	
152	100		
150	155.9	126.2	189.2
115	63.7	52.2	78.2

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#5

2-Fluorophenol

Concen: 106.472 ng

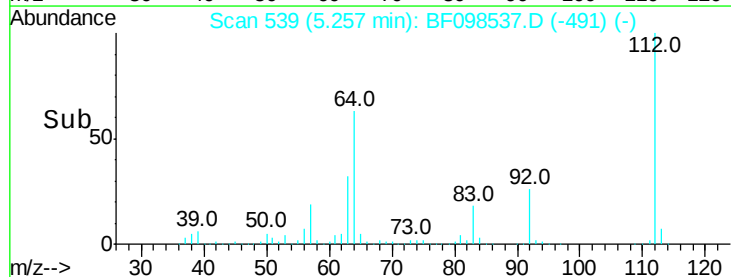
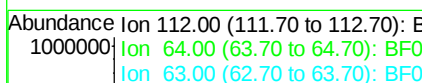
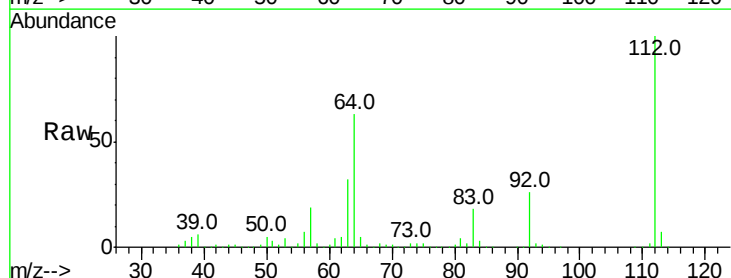
RT: 5.26 min Scan# 539

Delta R.T. -0.02 min

Lab File: BF098537.D

Acq: 14 Sep 2017 19:30

Tgt Ion:	112	Resp:	980324
Ion Ratio	Lower	Upper	
112	100		
64	63.3	46.0	69.0
63	31.8	23.4	35.0





#7

Phenol-d6

Concen: 103.070 ng

RT: 6.30 min Scan# 717

Delta R.T. -0.02 min

Lab File: BF098537.D

Acq: 14 Sep 2017 19:30

Instrument :

BNA_F

ClientSampled :

RL-15-0-17.5

Tot Ion: 99 Resp: 1204920

Ion Ratio Lower Upper

99 100

42 18.8 13.5 20.3

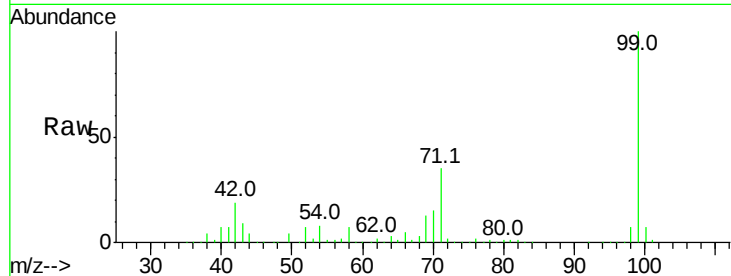
71 35.0 24.5 36.7

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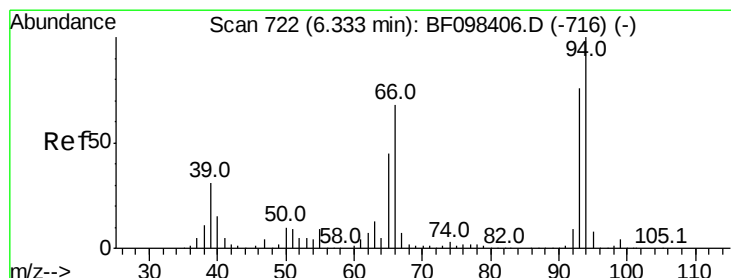
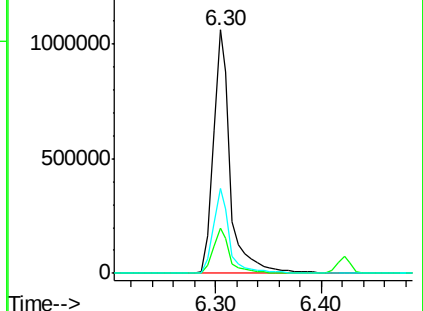
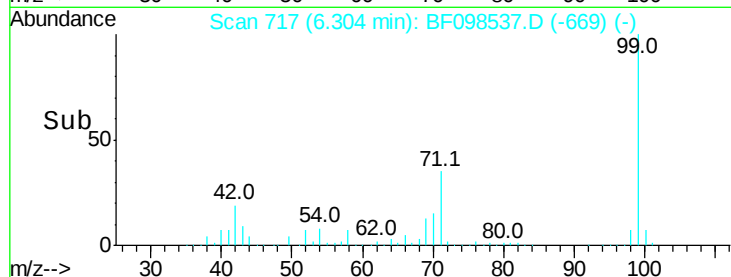
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.421 ng

RT: 6.32 min Scan# 719

Delta R.T. -0.02 min

Lab File: BF098537.D

Acq: 14 Sep 2017 19:30

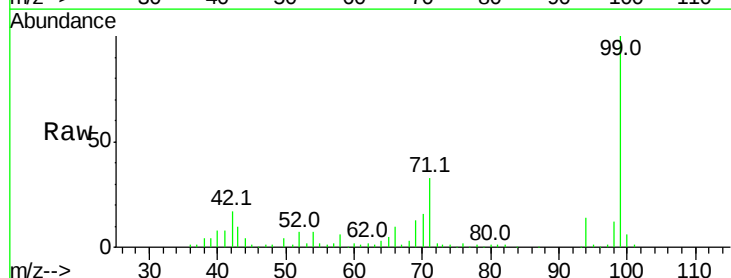
Tgt Ion: 94 Resp: 32869

Ion Ratio Lower Upper

94 100

65 36.6 9.9 49.9

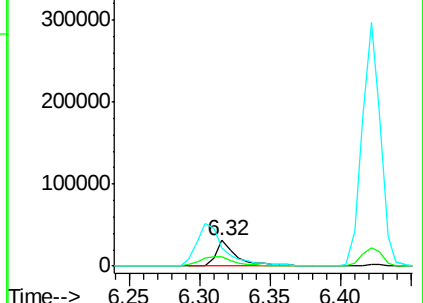
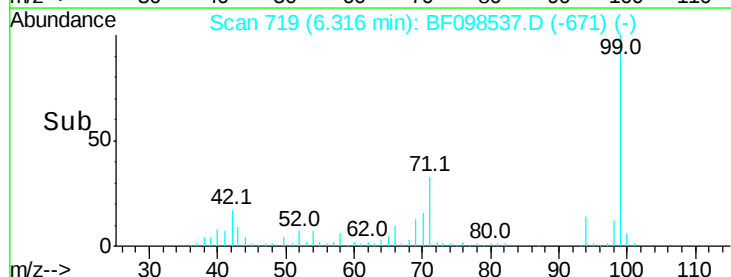
66 72.2 23.1 63.1#

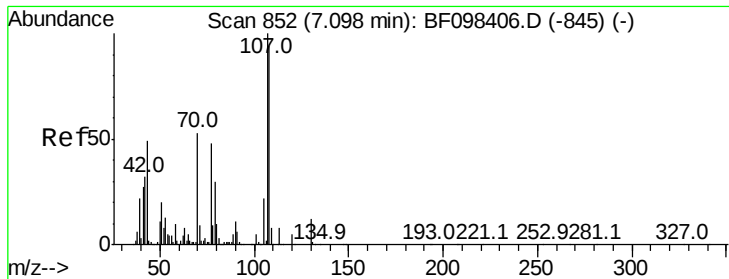


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





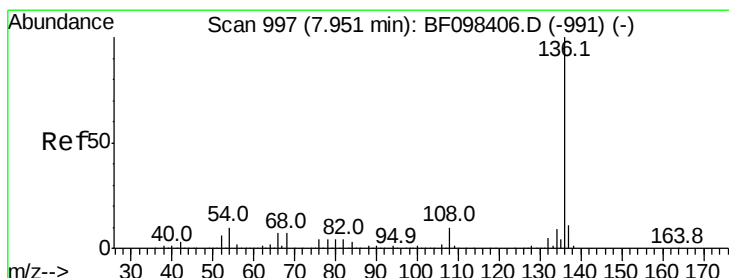
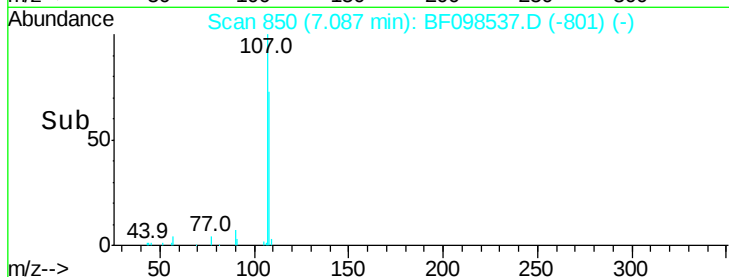
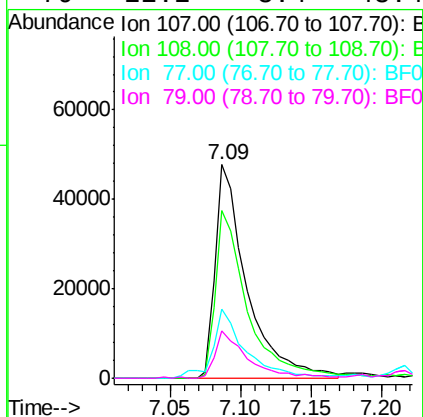
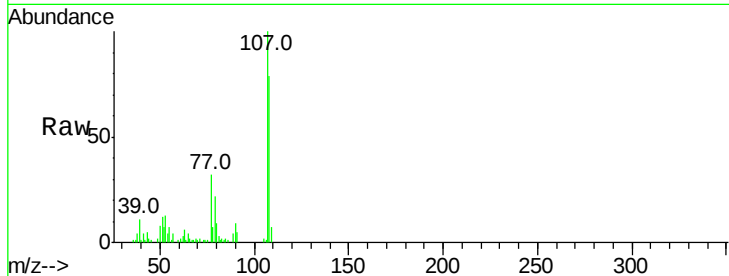
#20
3+4-Methylphenols
Concen: 7.149 ng
RT: 7.09 min Scan# 850
Delta R.T. -0.01 min
Lab File: BF098537.D
Acq: 14 Sep 2017 19:30

Instrument :
BNA_F
ClientSampleId :
RL-15-0-17.5

Tot Ion	Ratio	Lower	Upper
107	100		
108	78.7	71.0	111.0
77	32.2	90.5	130.5#
79	22.2	8.4	48.4

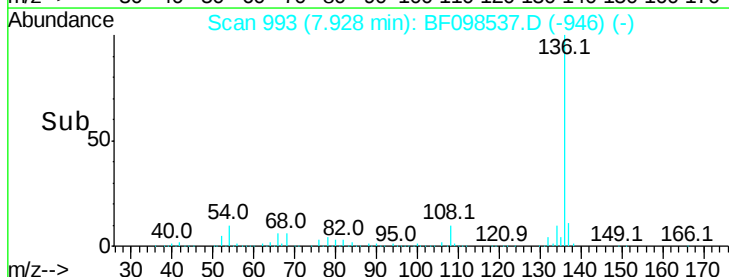
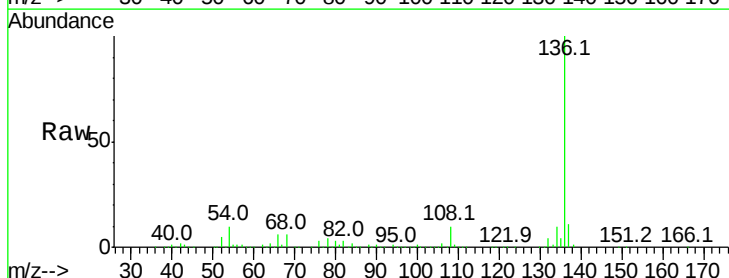
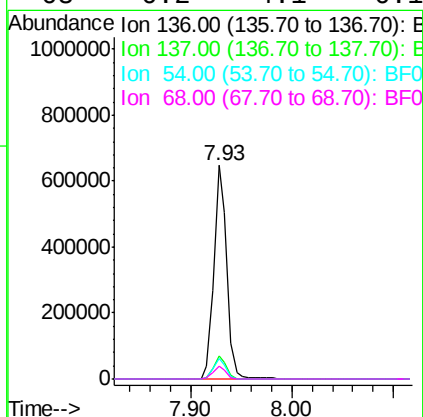
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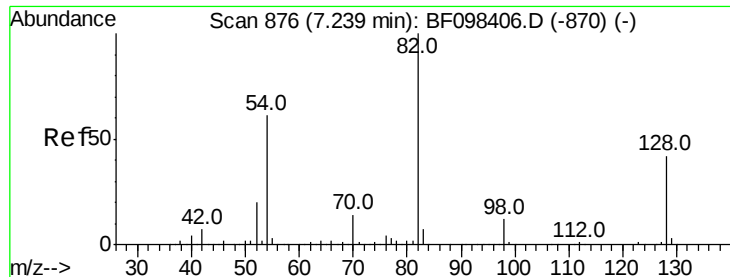
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.93 min Scan# 993
Delta R.T. -0.02 min
Lab File: BF098537.D
Acq: 14 Sep 2017 19:30

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	9.7	4.9	7.3#
68	6.2	4.1	6.1#





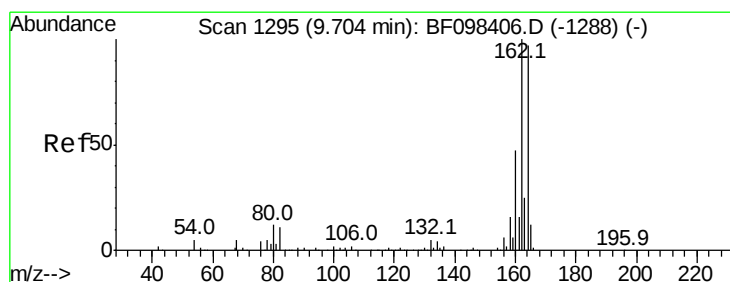
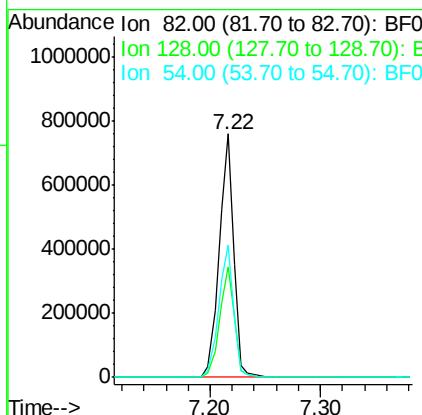
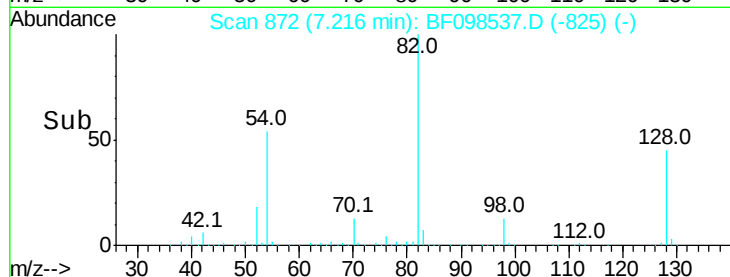
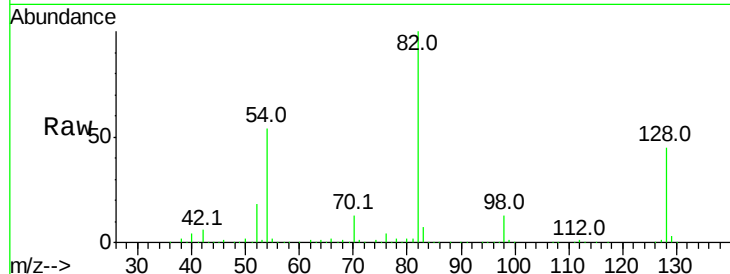
#23
Nitrobenzene-d5
Concen: 68.170 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.02 min
Lab File: BF098537.D
Acq: 14 Sep 2017 19:30

Instrument :
BNA_F
ClientSampleId :
RL-15-0-17.5

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.3	34.0	51.0
54	54.4	42.2	63.2

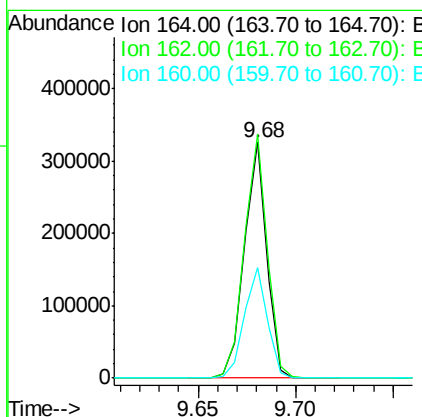
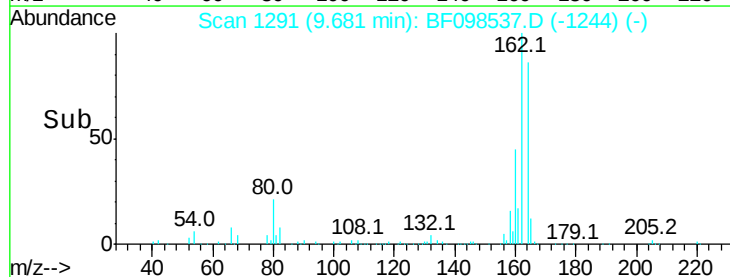
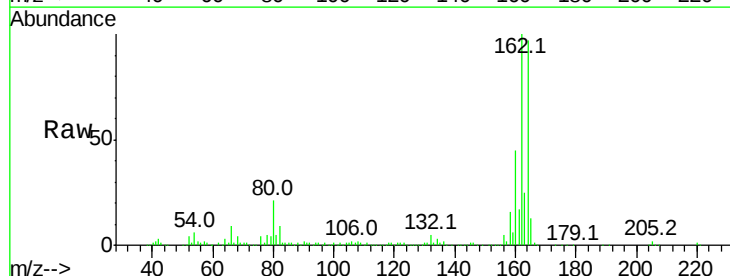
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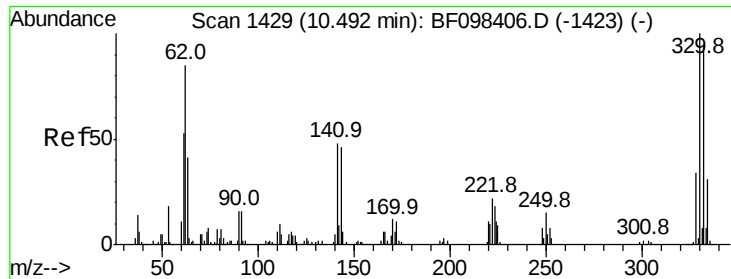
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.68 min Scan# 1291
Delta R.T. -0.02 min
Lab File: BF098537.D
Acq: 14 Sep 2017 19:30

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.3	82.6	123.8
160	46.6	36.2	54.2





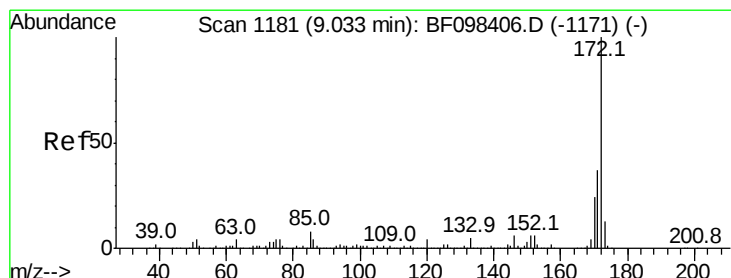
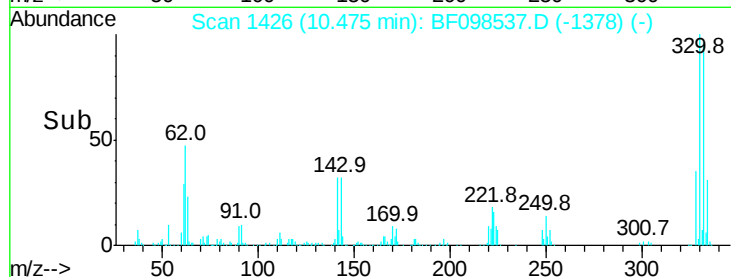
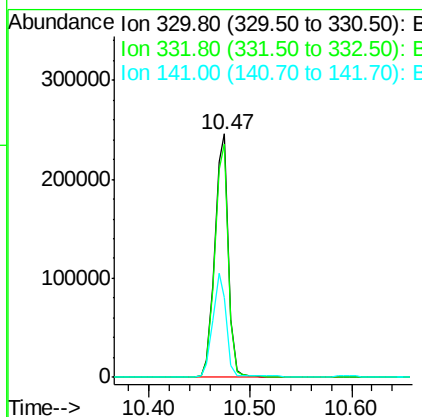
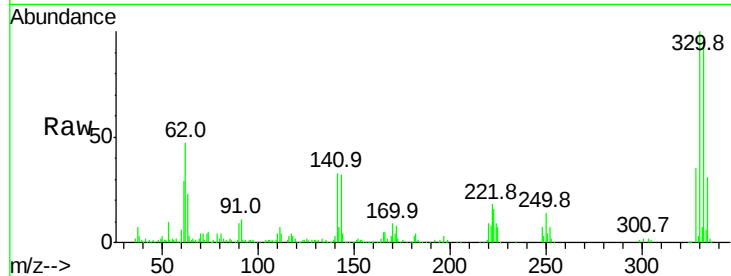
#41
 2,4,6-Tribromophenol
 Concen: 133.241 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. -0.02 min
 Lab File: BF098537.D
 Acq: 14 Sep 2017 19:30

Instrument :
 BNA_F
 ClientSampleId :
 RL-15-0-17.5

Tot Ion	Ratio	Resp	Lower	Upper
330	100	229885		
332	95.8	76.6	115.0	
141	42.4	31.4	47.2	

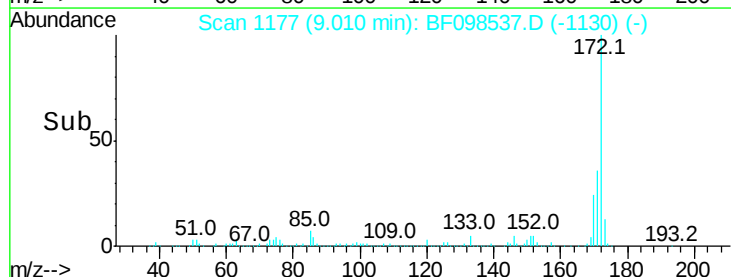
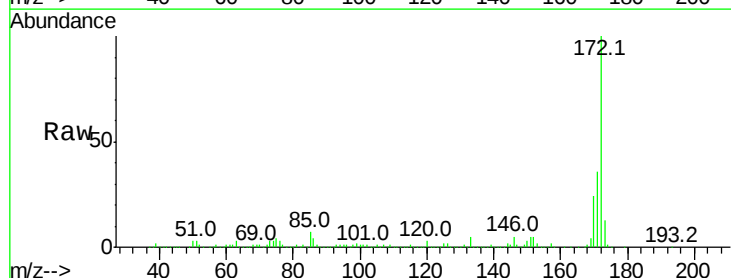
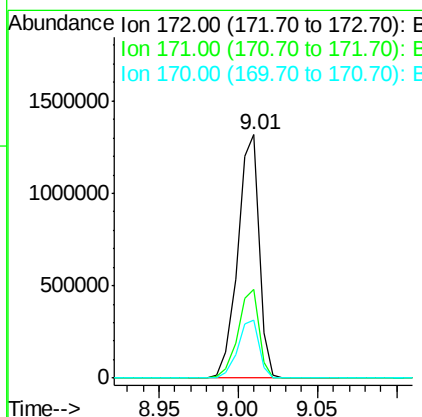
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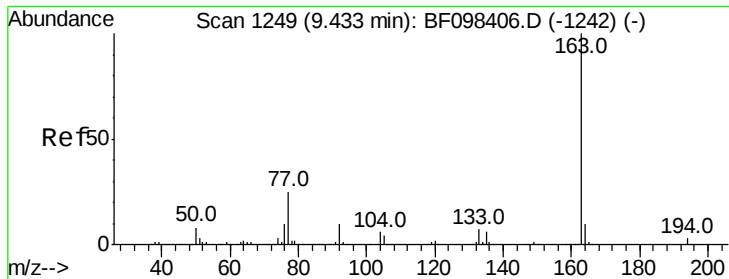
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#44
 2-Fluorobiphenyl
 Concen: 80.624 ng
 RT: 9.01 min Scan# 1177
 Delta R.T. -0.02 min
 Lab File: BF098537.D
 Acq: 14 Sep 2017 19:30

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1229671		
171	36.2	29.6	44.4	
170	23.9	19.8	29.8	





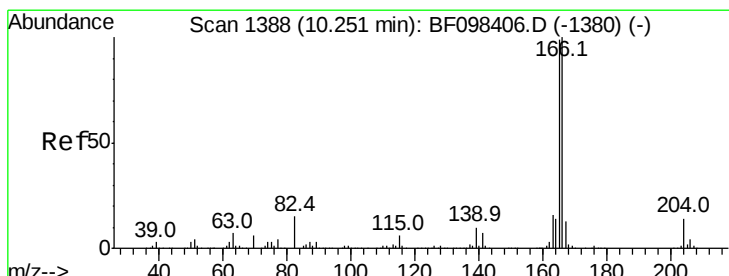
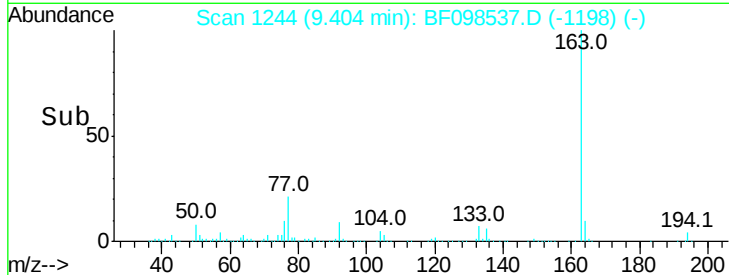
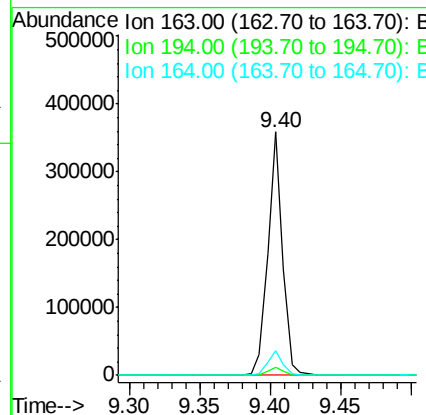
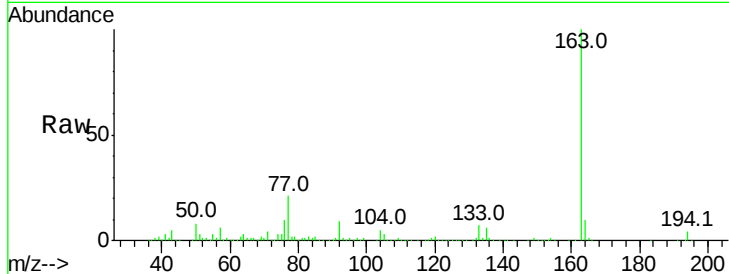
#49
Dimethylphthalate
Concen: 13.329 ng
RT: 9.40 min Scan# 1244
Delta R.T. -0.03 min
Lab File: BF098537.D
Acq: 14 Sep 2017 19:30

Instrument :
BNA_F
ClientSampleId :
RL-15-0-17.5

Tot Ion	Ratio	Resp	Lower	Upper
163	100	266729		
194	3.6		2.6	4.0
164	10.0		8.4	12.6

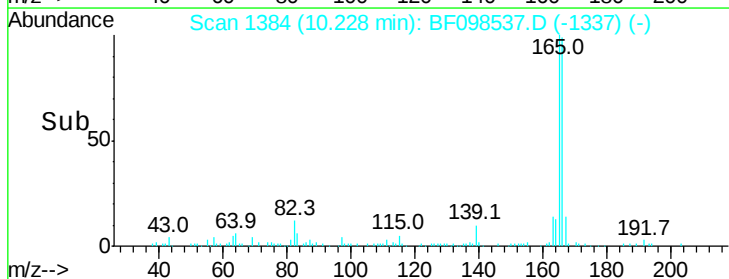
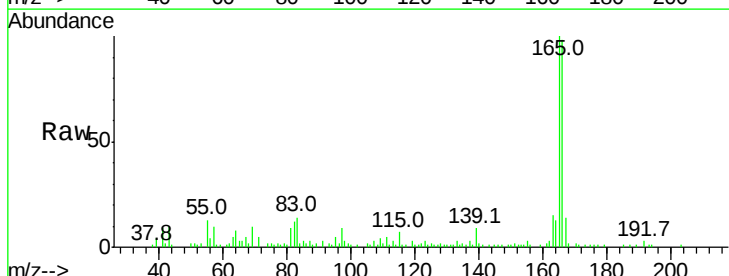
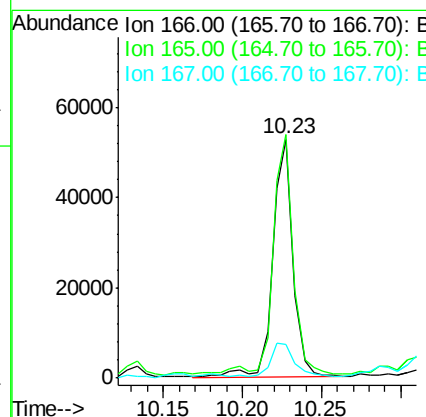
Manual Integrations
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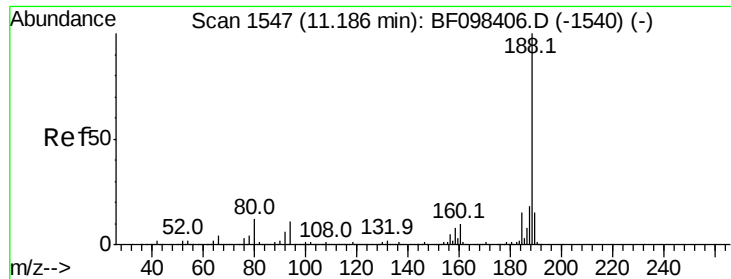
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#57
Fluorene
Concen: 2.777 ng
RT: 10.23 min Scan# 1384
Delta R.T. -0.02 min
Lab File: BF098537.D
Acq: 14 Sep 2017 19:30

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	47298		
165	101.9		78.8	118.2
167	14.3		10.6	16.0





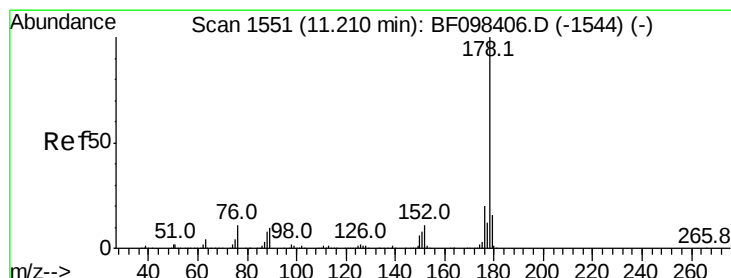
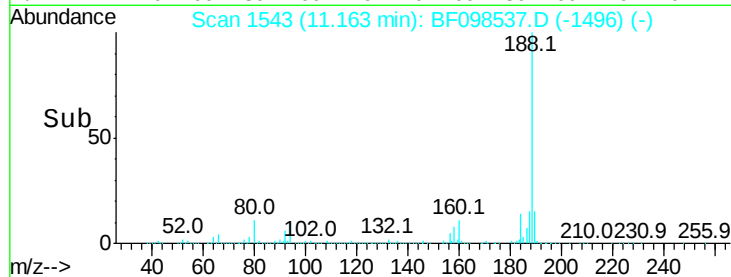
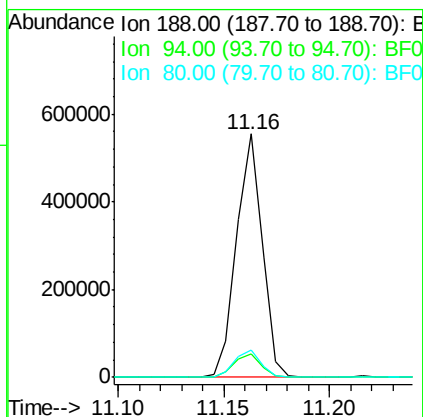
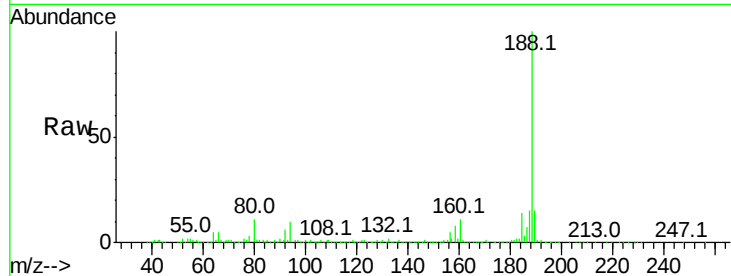
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.16 min Scan# 1543
Delta R.T. -0.02 min
Lab File: BF098537.D
Acq: 14 Sep 2017 19:30

Instrument :
BNA_F
ClientSampleId :
RL-15-0-17.5

Tot Ion	Ratio	Resp	Lower	Upper
188	100	465507		
94	9.7		9.4	14.2
80	11.0		10.2	15.2

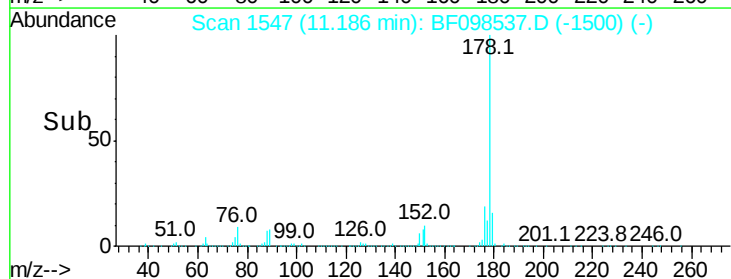
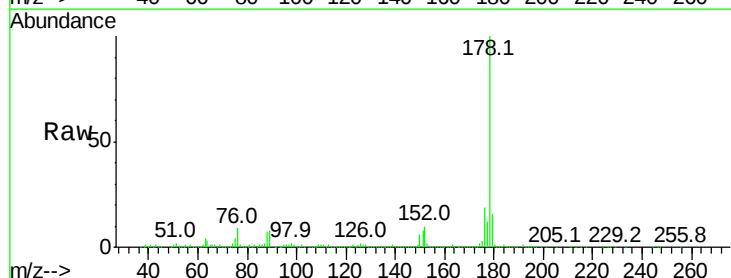
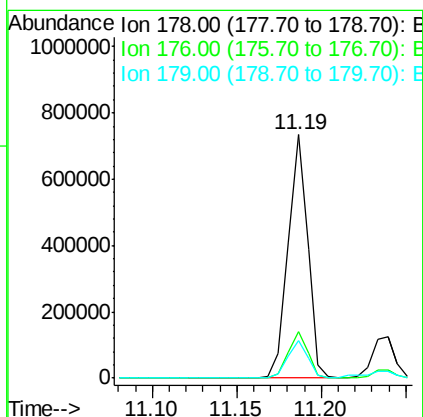
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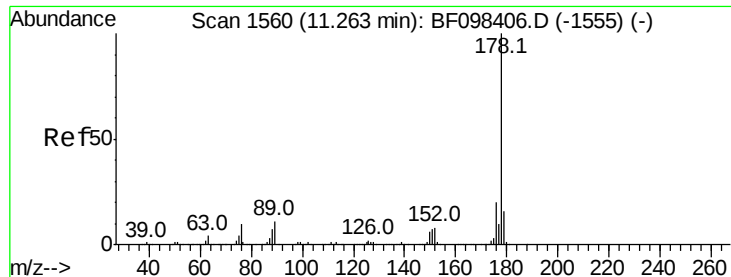
Sohil
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#70
Phenanthrene
Concen: 23.648 ng
RT: 11.19 min Scan# 1547
Delta R.T. -0.02 min
Lab File: BF098537.D
Acq: 14 Sep 2017 19:30

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	583583		
176	19.2		16.2	24.4
179	15.7		12.6	19.0





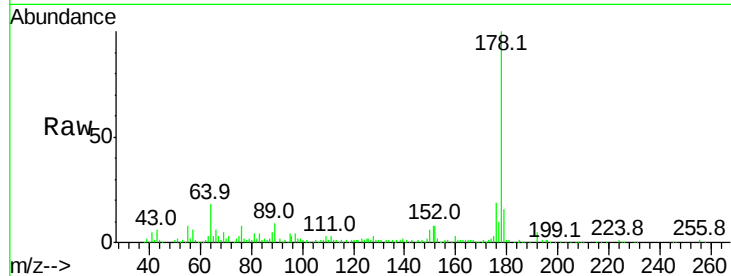
#71
 Anthracene
 Concen: 4.487 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.02 min
 Lab File: BF098537.D
 Acq: 14 Sep 2017 19:30

Instrument :
 BNA_F
 ClientSampleId :
 RL-15-0-17.5

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	15.8	12.7	19.1

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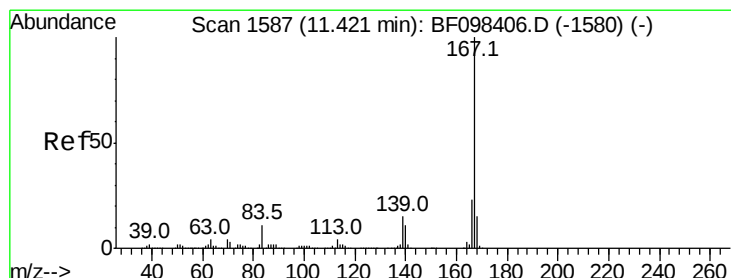
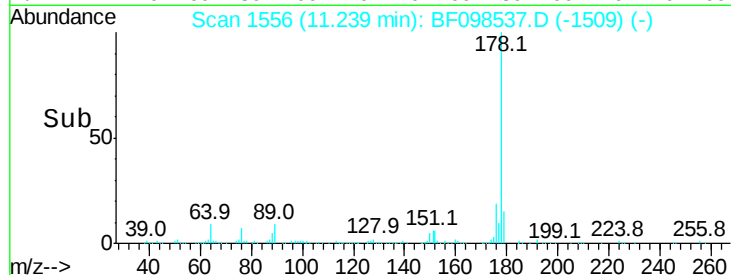
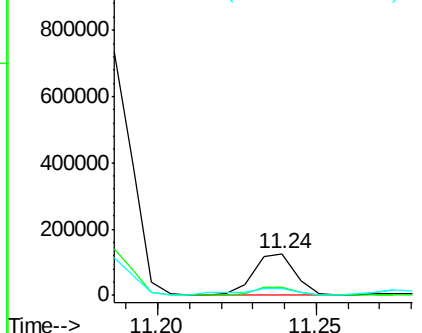


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72
 Carbazole
 Concen: 2.415 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.02 min
 Lab File: BF098537.D
 Acq: 14 Sep 2017 19:30

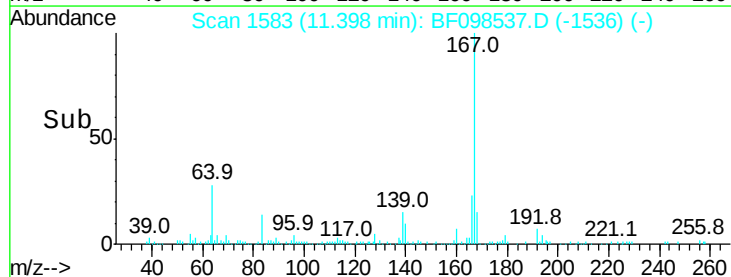
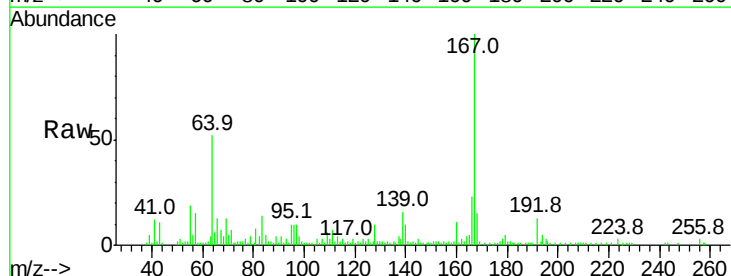
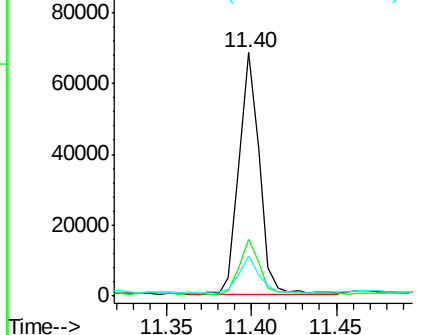
Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.4	18.1	27.1
139	16.4	11.7	17.5

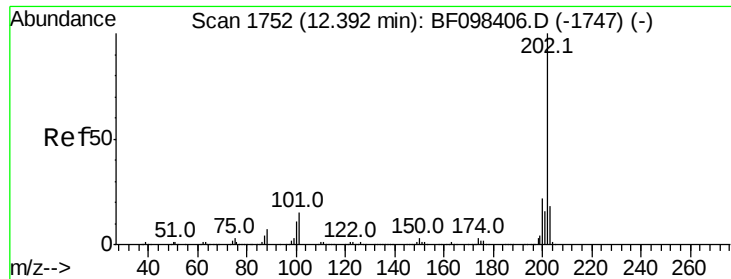
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





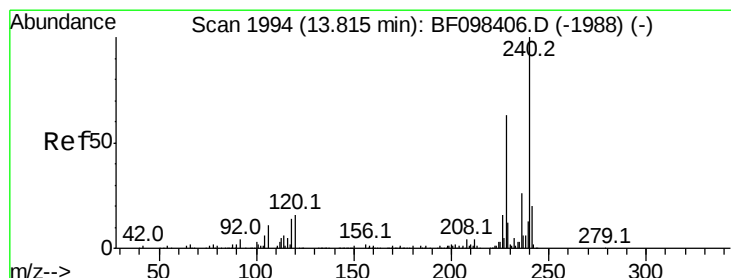
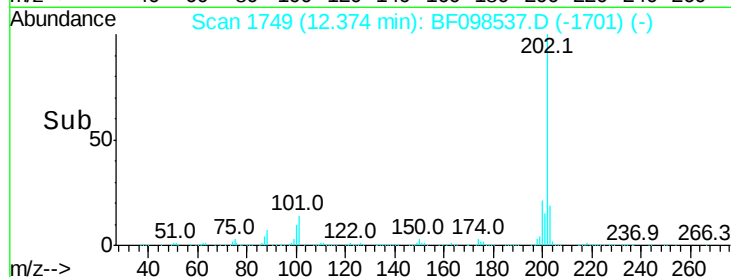
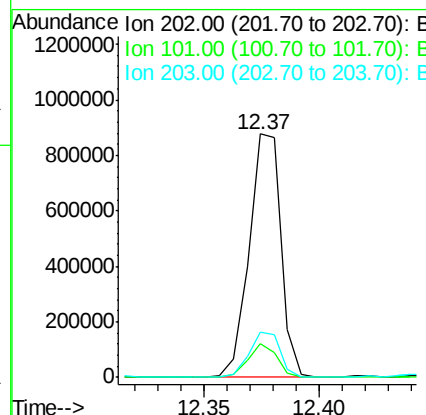
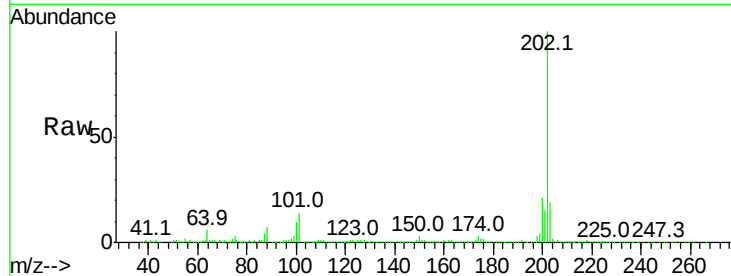
#74
Fluoranthene
Concen: 34.112 ng
RT: 12.37 min Scan# 1749
Delta R.T. -0.02 min
Lab File: BF098537.D
Acq: 14 Sep 2017 19:30

Instrument :
BNA_F
ClientSampleId :
RL-15-0-17.5

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.9	0.0	33.2
203	18.6	0.0	38.1

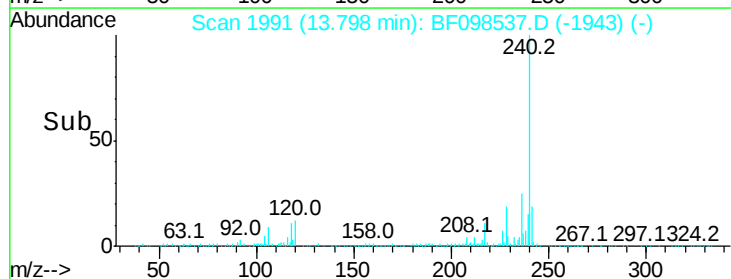
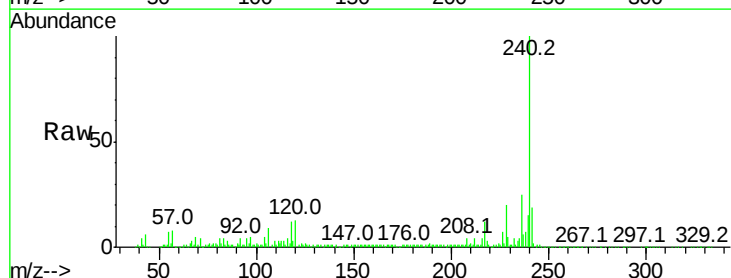
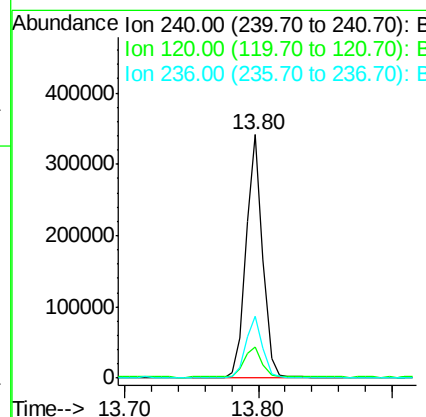
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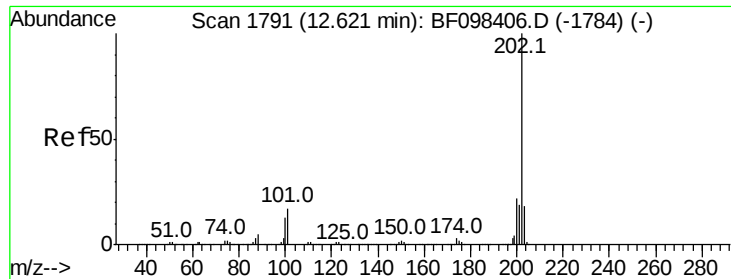
Sohil
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#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.80 min Scan# 1991
Delta R.T. -0.02 min
Lab File: BF098537.D
Acq: 14 Sep 2017 19:30

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.8	5.8	8.8#
236	25.3	20.5	30.7





#77

Pvrene

Concen: 29.873 ng

RT: 12.60 min Scan# 1788

Delta R.T. -0.02 min

Lab File: BF098537.D

Acq: 14 Sep 2017 19:30

Instrument :

BNA_F

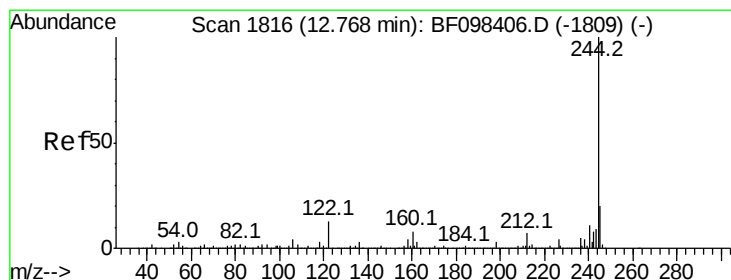
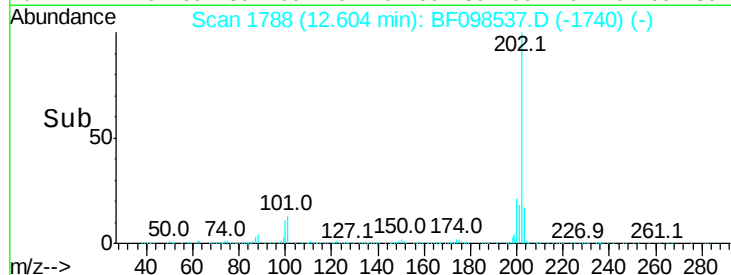
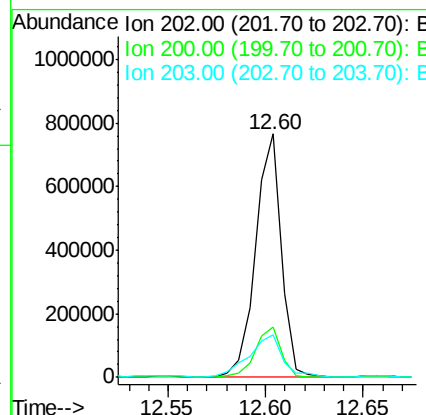
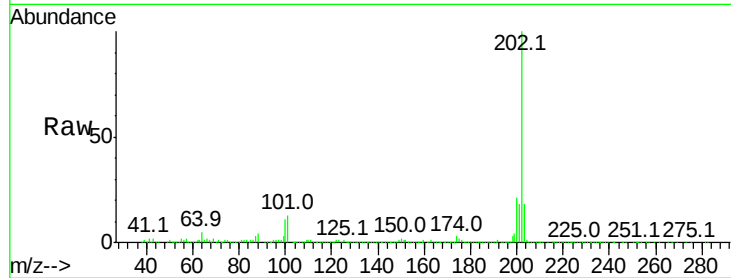
ClientSampled :

RL-15-0-17.5

Tot Ion:	202	Resp:	693291
Ion Ratio	Lower	Upper	
202	100		
200	20.7	17.6	26.4
203	17.5	14.4	21.6

Manual Integrations
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#78

Terphenyl-d14

Concen: 66.492 ng

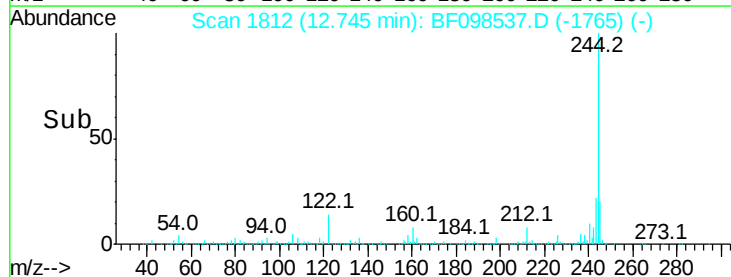
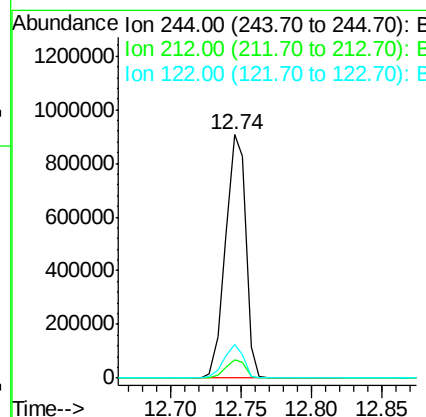
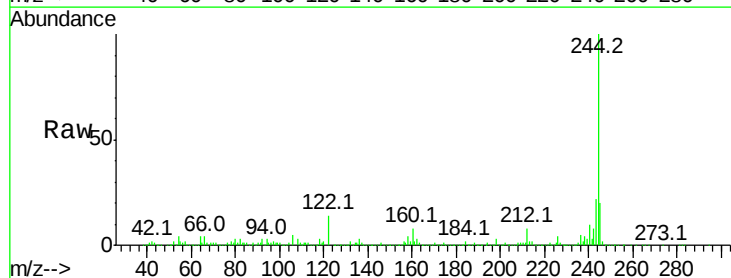
RT: 12.74 min Scan# 1812

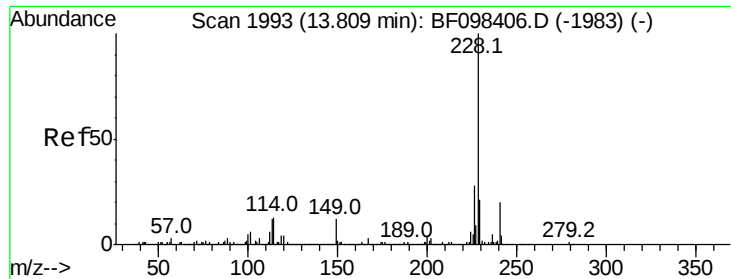
Delta R.T. -0.02 min

Lab File: BF098537.D

Acq: 14 Sep 2017 19:30

Tgt Ion:	244	Resp:	906266
Ion Ratio	Lower	Upper	
244	100		
212	7.7	6.0	9.0
122	14.0	10.3	15.5





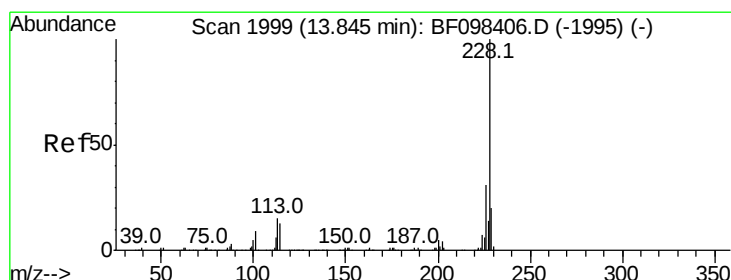
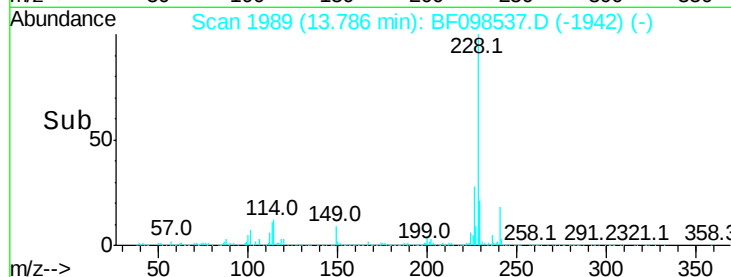
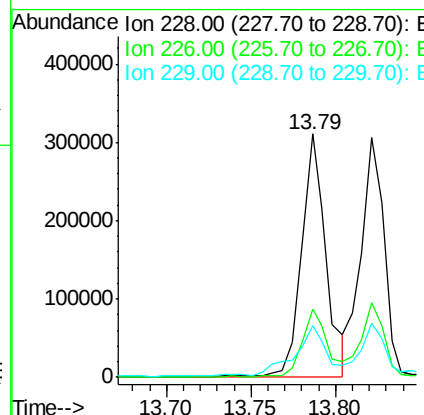
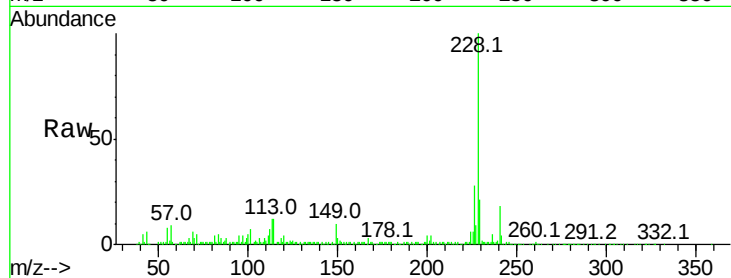
#80
Benzo(a)anthracene
Concen: 18.047 ng
RT: 13.79 min Scan# 1989
Delta R.T. -0.02 min
Lab File: BF098537.D
Acq: 14 Sep 2017 19:30

Instrument :
BNA_F
ClientSampleId :
RL-15-0-17.5

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.6	33.8
229	21.1	16.3	24.5

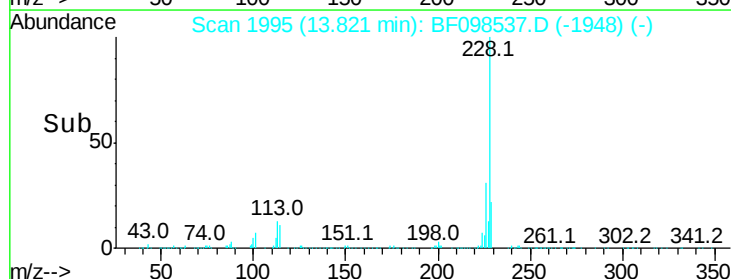
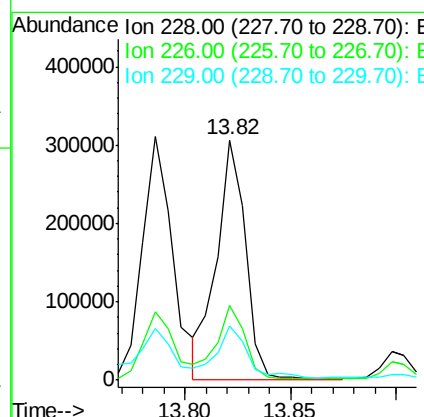
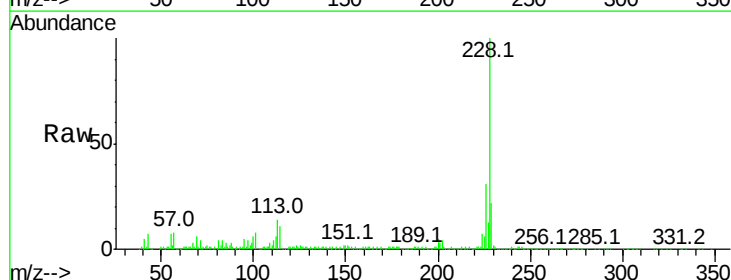
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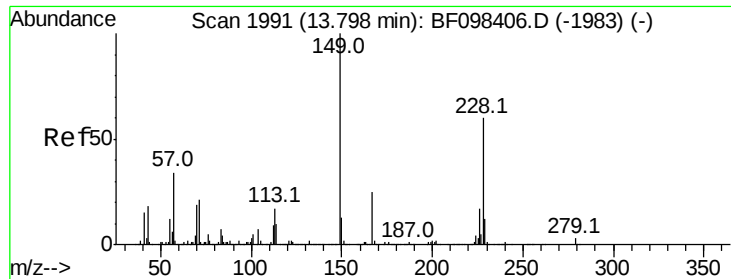
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#82
Chrysene
Concen: 16.690 ng
RT: 13.82 min Scan# 1995
Delta R.T. -0.02 min
Lab File: BF098537.D
Acq: 14 Sep 2017 19:30

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.9	37.3
229	22.4	15.8	23.6





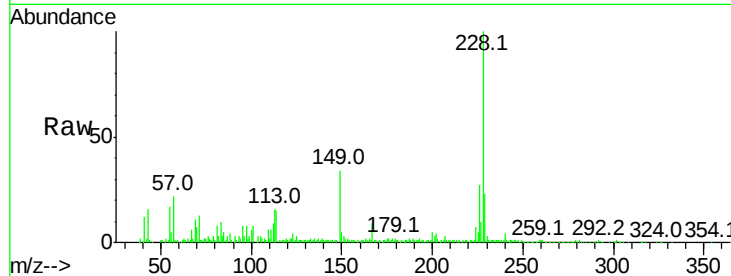
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 4.018 ng
 RT: 13.78 min Scan# 1988
 Delta R.T. -0.02 min
 Lab File: BF098537.D
 Acq: 14 Sep 2017 19:30

Instrument :
 BNA_F
 ClientSampleId :
 RL-15-0-17.5

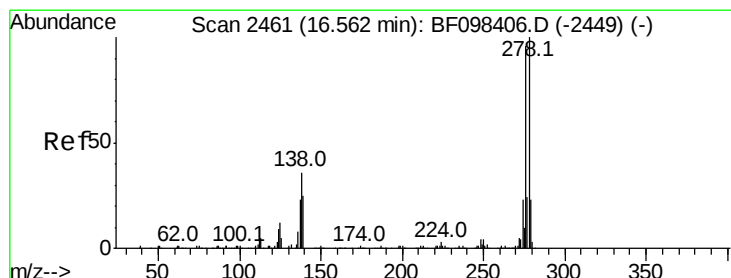
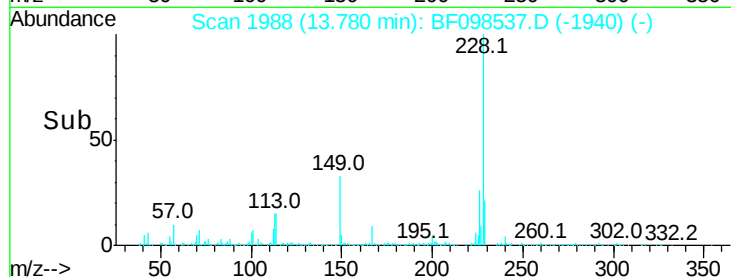
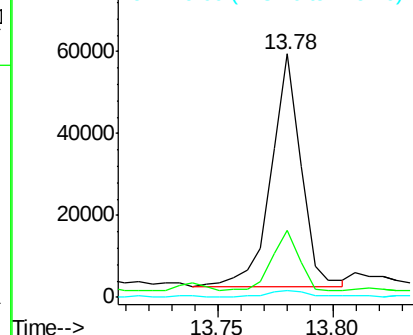
Tot Ion	Ratio	Lower	Upper
149	100		
167	27.4	21.0	31.4
279	3.0	1.9	2.9#

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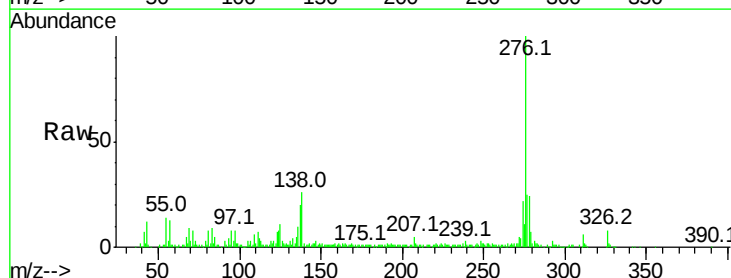


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

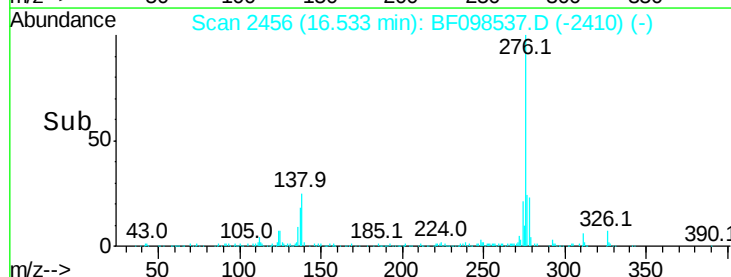
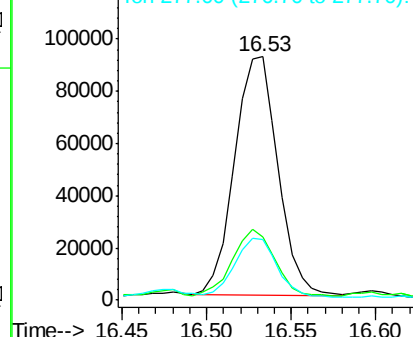


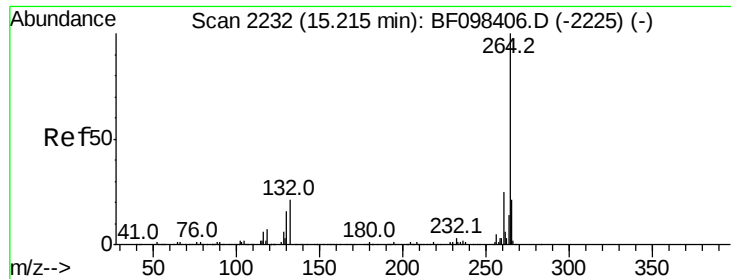
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 13.335 ng
 RT: 16.53 min Scan# 2456
 Delta R.T. -0.03 min
 Lab File: BF098537.D
 Acq: 14 Sep 2017 19:30

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.2	27.8	41.6#
277	24.0	20.2	30.4



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





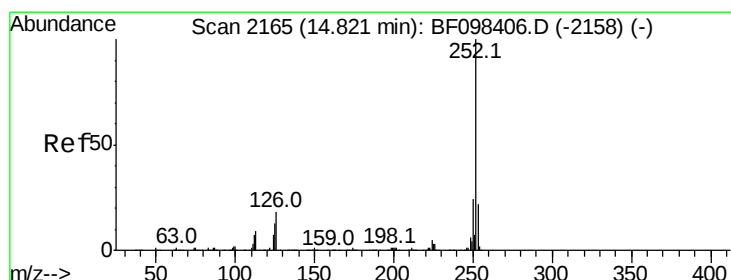
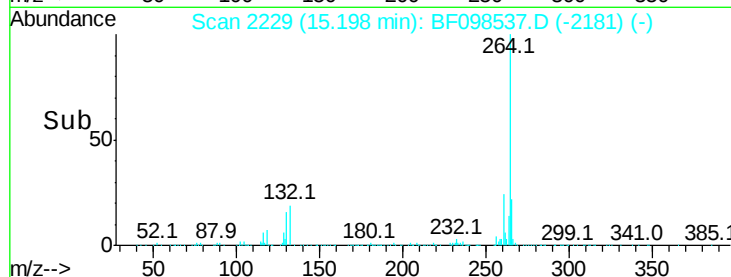
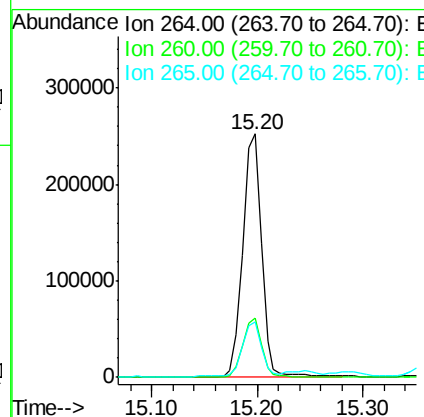
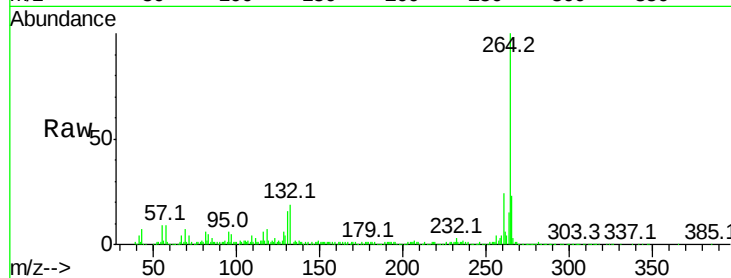
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.20 min Scan# 2229
Delta R.T. -0.02 min
Lab File: BF098537.D
Acq: 14 Sep 2017 19:30

Instrument :
BNA_F
ClientSampleId :
RL-15-0-17.5

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	22.5	17.2	25.8

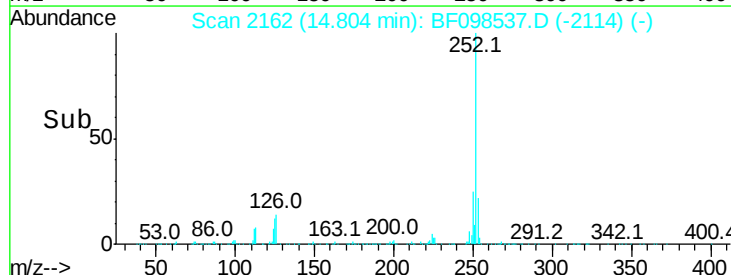
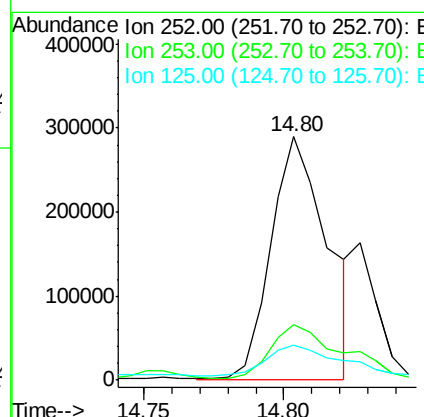
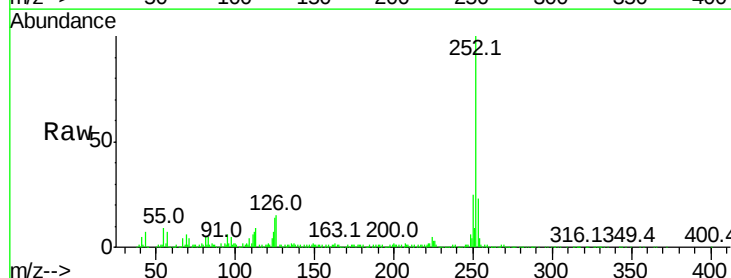
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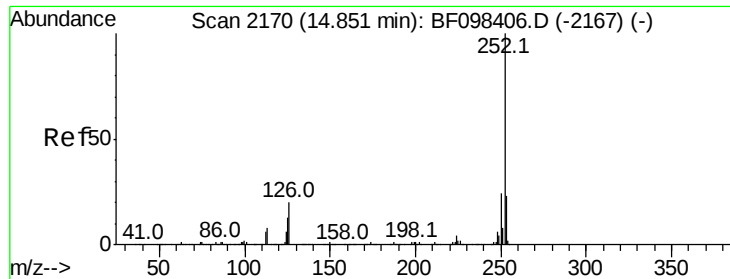
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#87
Benzo(b)fluoranthene
Concen: 21.102 ng m
RT: 14.80 min Scan# 2162
Delta R.T. -0.02 min
Lab File: BF098537.D
Acq: 14 Sep 2017 19:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	14.5	9.8	14.8





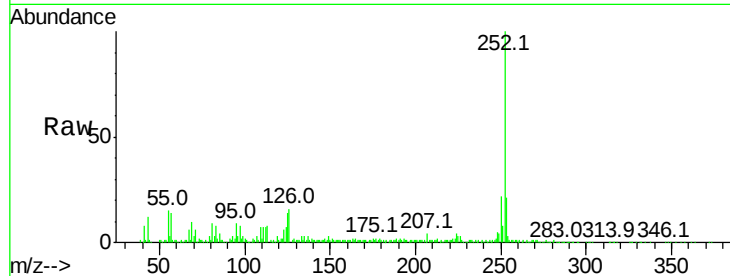
#88
Benzo(k)fluoranthene
Concen: 5.575 ng m
RT: 14.83 min Scan# 2166
Delta R.T. -0.02 min
Lab File: BF098537.D
Acq: 14 Sep 2017 19:30

Instrument :
BNA_F
ClientSampled :
RL-15-0-17.5

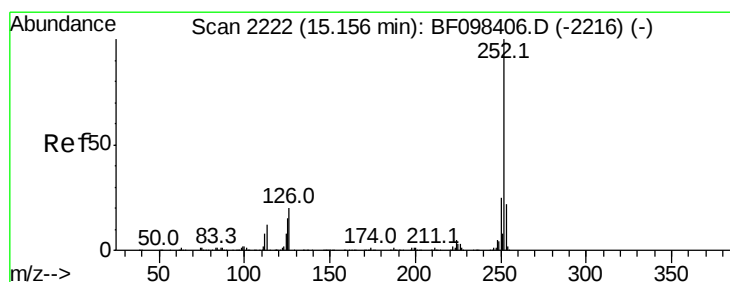
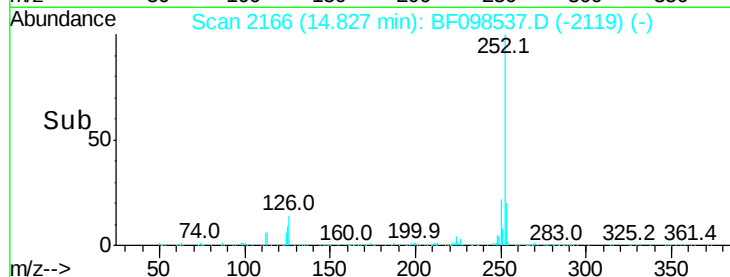
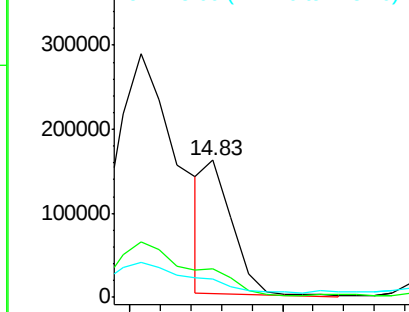
Tot Ion	Ratio	Resp	Lower	Upper
252	100	100855		
253	21.3		18.4	27.6
125	13.6		13.1	19.7

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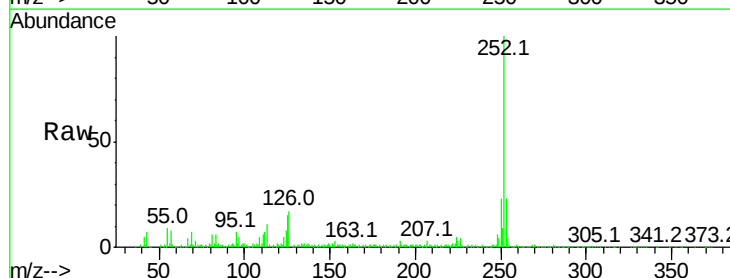


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

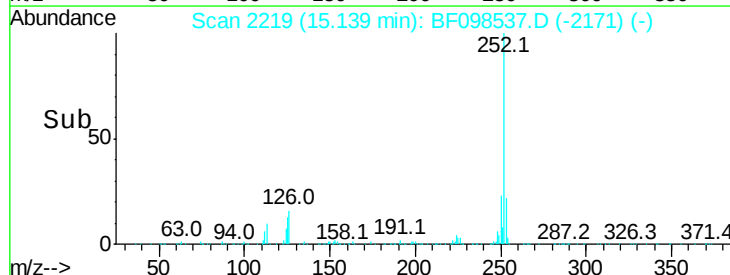
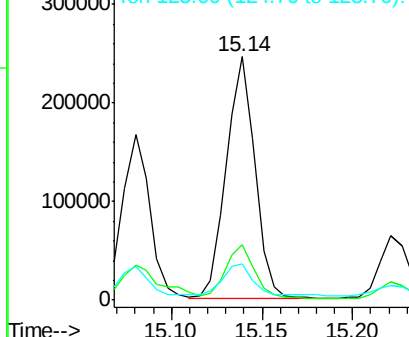


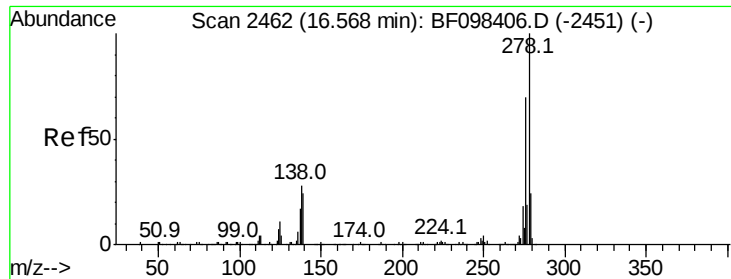
#89
Benzo(a)pyrene
Concen: 15.806 ng
RT: 15.14 min Scan# 2219
Delta R.T. -0.02 min
Lab File: BF098537.D
Acq: 14 Sep 2017 19:30

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	272859		
253	23.0		17.5	26.3
125	14.8		11.0	16.4



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





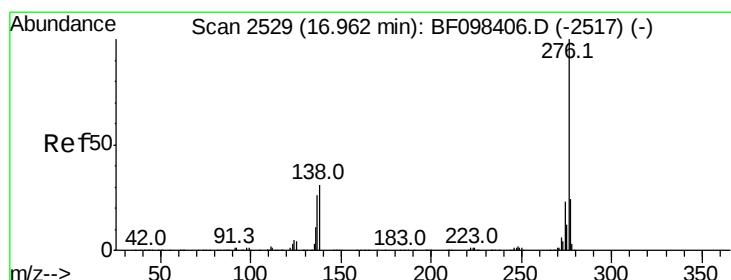
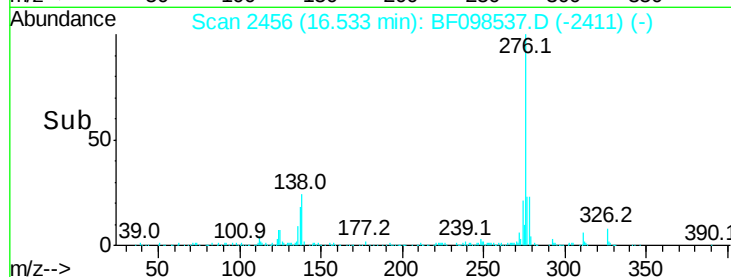
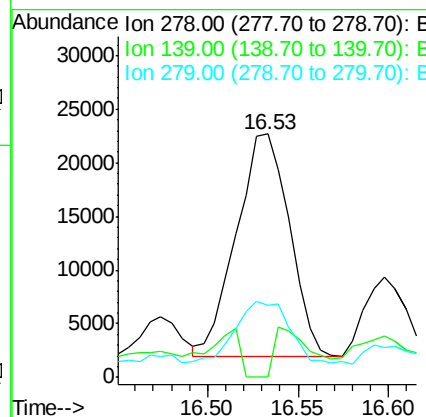
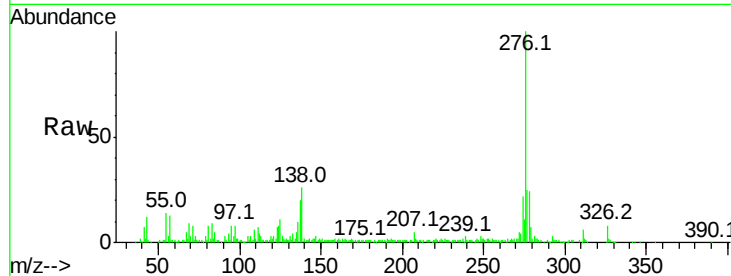
#90
Dibenzo(a,h)anthracene
Concen: 3.374 ng
RT: 16.53 min Scan# 2456
Delta R.T. -0.04 min
Lab File: BF098537.D
Acq: 14 Sep 2017 19:30

Instrument :
BNA_F
ClientSampleId :
RL-15-0-17.5

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.6	24.8#
279	29.9	19.3	28.9#

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#91
Benzo(g,h,i)perylene
Concen: 12.516 ng
RT: 16.93 min Scan# 2524
Delta R.T. -0.03 min
Lab File: BF098537.D
Acq: 14 Sep 2017 19:30

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.6	28.0
138	26.1	25.4	38.0

