

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF090817\
 Data File : BF098367.D
 Acq On : 8 Sep 2017 22:58
 Operator : SJ/JU
 Sample : I5113-07
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RL-3-11.75-23.5

Manual Integrations
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Quant Time: Sep 09 03:59:39 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 05 17:28:20 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	97242	20.00	ng	-0.02
21) Naphthalene-d8	7.96	136	342862	20.00	ng	-0.02
38) Acenaphthene-d10	9.72	164	123993	20.00	ng	-0.02
63) Phenanthrene-d10	11.20	188	207914	20.00	ng	-0.02
75) Chrysene-d12	13.84	240	205670	20.00	ng	-0.02
86) Perylene-d12	15.25	264	145504	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	730100	114.20	ng	0.00
7) Phenol-d6	6.34	99	968023	111.44	ng	-0.01
23) Nitrobenzene-d5	7.25	82	548246	86.87	ng	-0.02
41) 2,4,6-Tribromophenol	10.51	330	118946	110.56	ng	-0.02
44) 2-Fluorobiphenyl	9.05	172	770911	91.35	ng	-0.02
78) Terphenyl-d14	12.79	244	513215	52.04	ng	-0.02
Target Compounds						
10) Phenol	6.35	94	43257	4.258	ng	89
20) 3+4-Methylphenols	7.11	107	103942	14.323	ng	# 59
31) Naphthalene	7.99	128	237954	13.368	ng	99
37) 2-Methylnaphthalene	8.68	142	78461	7.190	ng	99
48) Acenaphthylene	9.58	152	41940	3.197	ng	97
49) Dimethylphthalate	9.44	163	99969	11.030	ng	99
57) Fluorene	10.26	166	24651	2.875	ng	93
70) Phenanthrene	11.22	178	132033	11.917	ng	98
71) Anthracene	11.27	178	38198	3.399	ng	97
74) Fluoranthene	12.41	202	143773	12.433	ng	97
77) Pyrene	12.64	202	136763	8.130	ng	97
80) Benzo(a)anthracene	13.83	228	62609	5.079	ng	93
82) Chrysene	13.86	228	59929m	4.887	ng	
87) Benzo(b)fluoranthene	14.85	252	56199m	6.128	ng	
89) Benzo(a)pyrene	15.19	252	34893	4.298	ng	# 75
91) Benzo(g,h,i)perylene	17.02	276	17458	2.531	ng	# 92

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

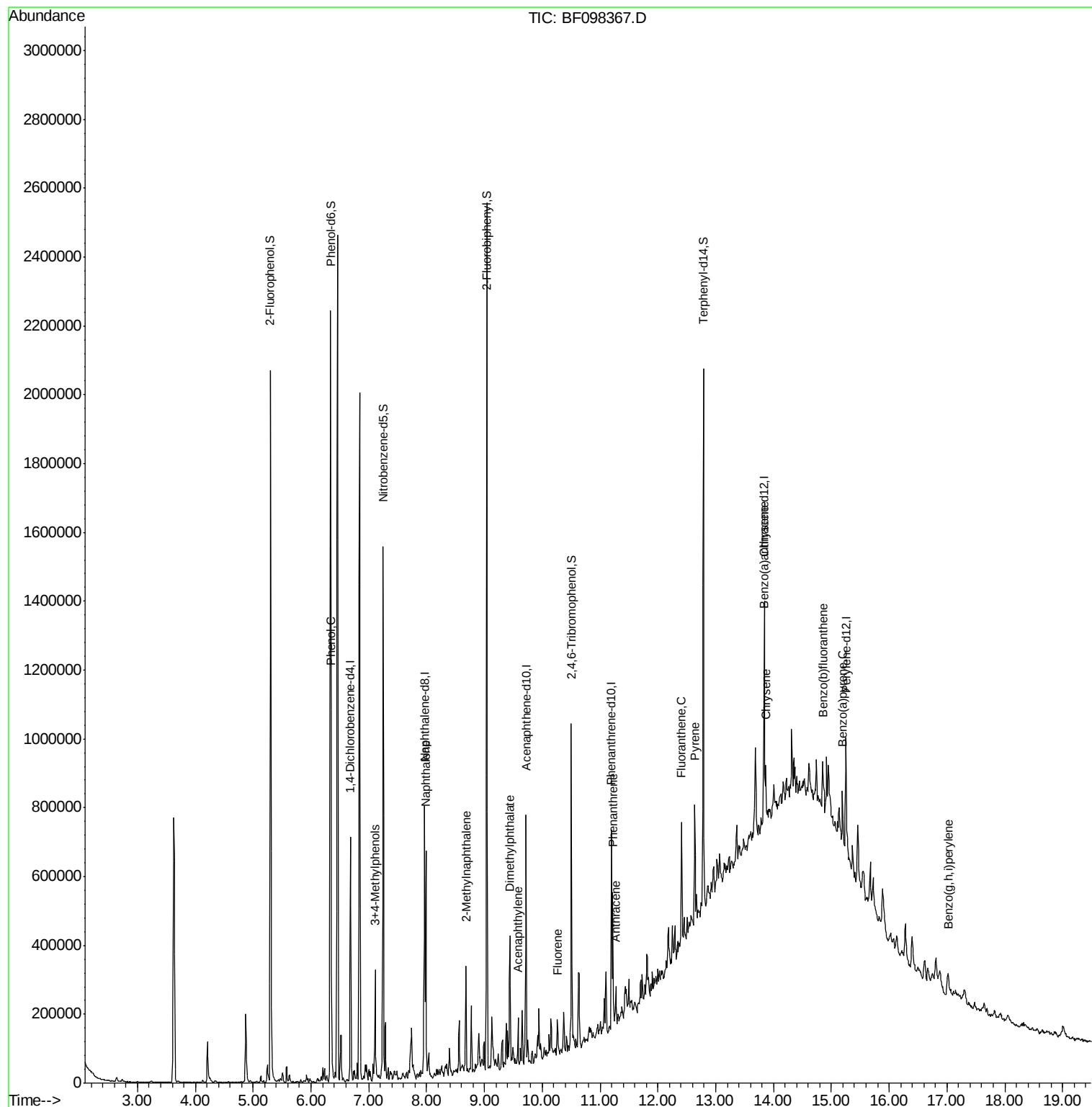
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF090817\
Data File : BF098367.D
Acq On : 8 Sep 2017 22:58
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Sample : I5113-07
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ALS Vial : 22 Sample Multiplier: 1

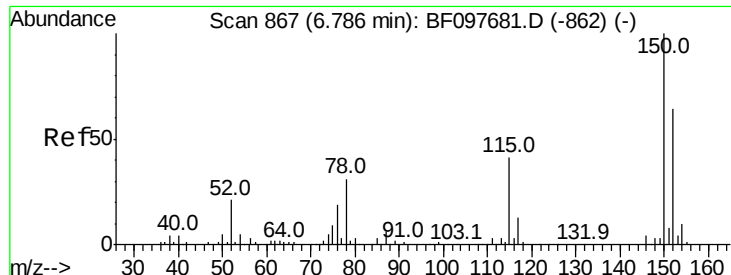
Instrument :
BNA_F
ClientSampled :
RL-3-11.75-23.5

Manual Integrations
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#1

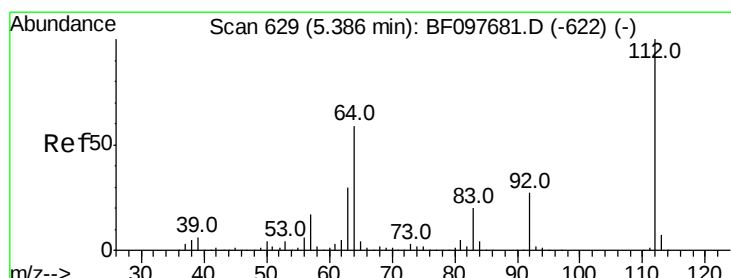
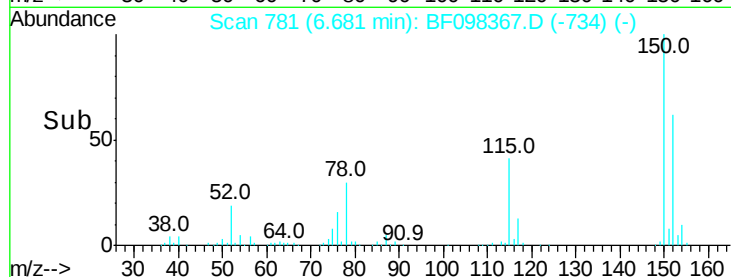
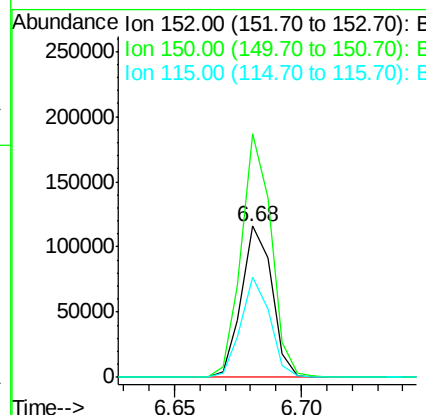
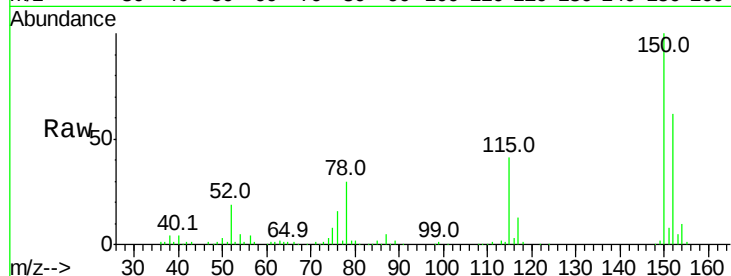
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.68 min Scan# 781
Delta R.T. -0.02 min
Lab File: BF098367.D
Acq: 8 Sep 2017 22:58

Instrument :
BNA_F
ClientSampled :
RL-3-11.75-23.5

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.0	126.2	189.2
115	66.2	52.2	78.2

Manual Integrations
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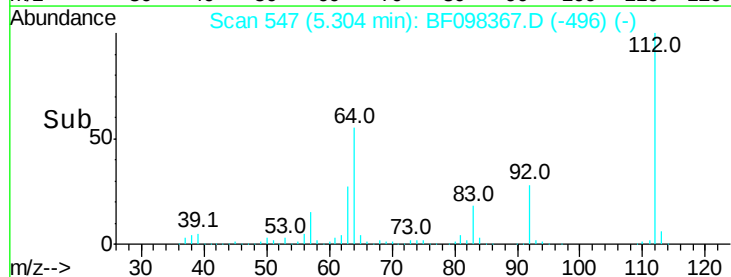
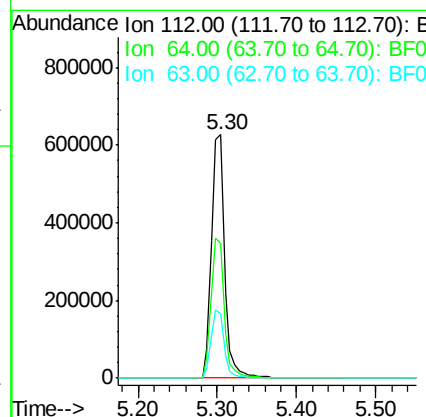
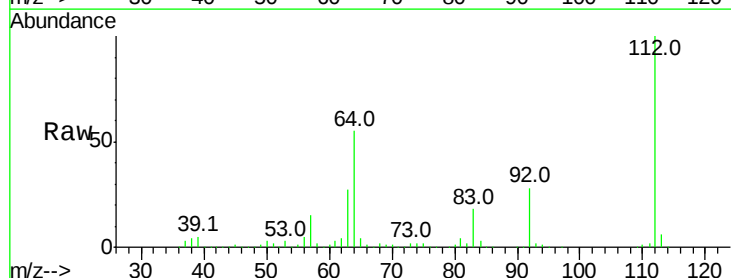
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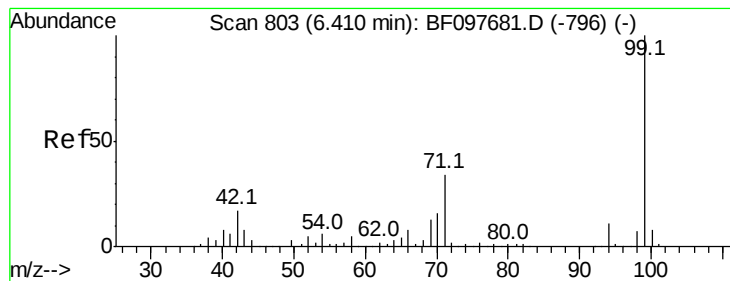


#5

2-Fluorophenol
Concen: 114.203 ng
RT: 5.30 min Scan# 547
Delta R.T. 0.00 min
Lab File: BF098367.D
Acq: 8 Sep 2017 22:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.1	46.0	69.0
63	26.6	23.4	35.0





#7

Phenol-d6

Concen: 111.443 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF098367.D

Acq: 8 Sep 2017 22:58

Instrument :

BNA_F

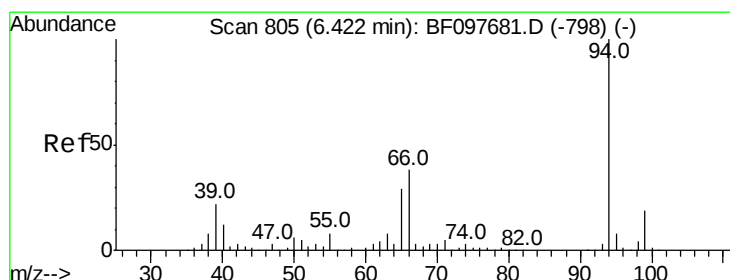
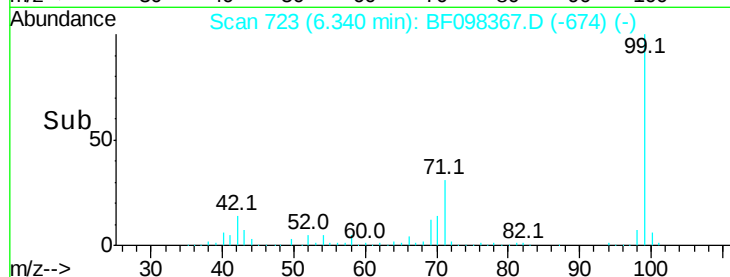
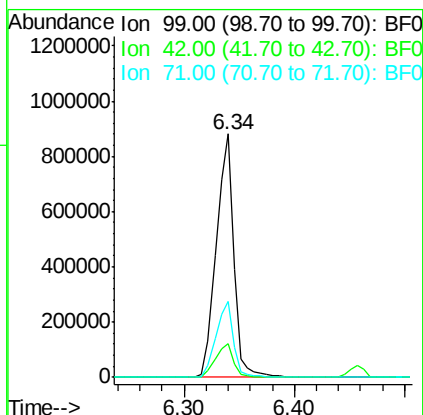
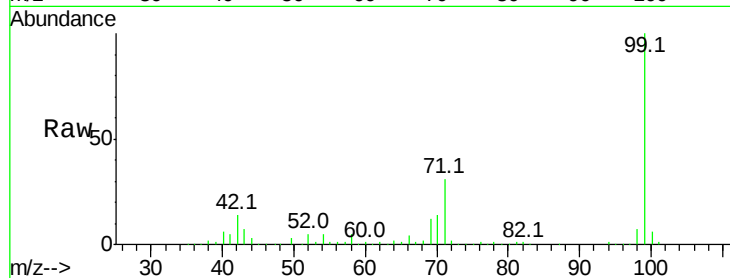
ClientSampleId :

RL-3-11.75-23.5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		968023		
42	14.0	13.5	20.3		
71	31.0	24.5	36.7		

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#10

Phenol

Concen: 4.258 ng

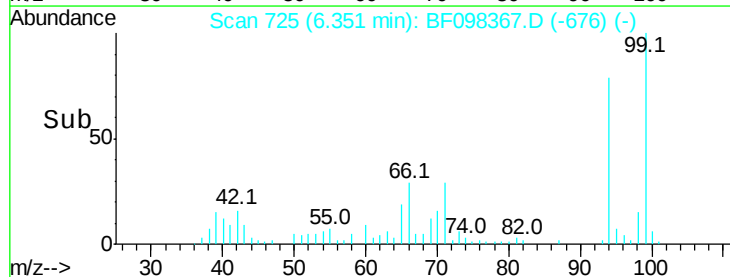
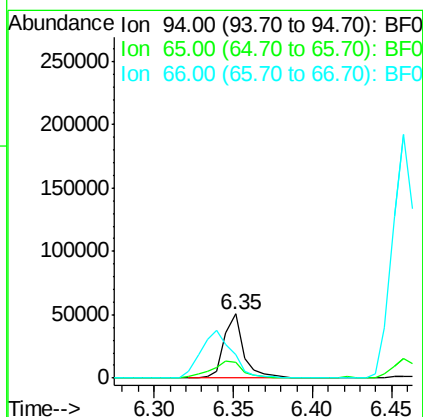
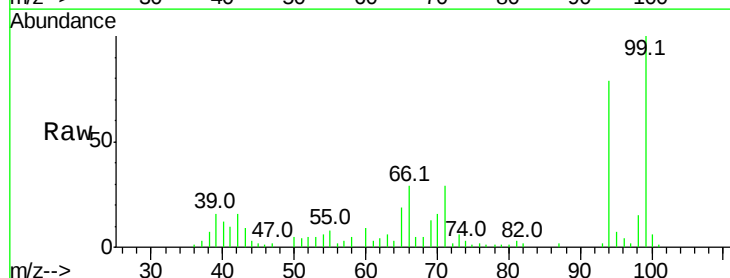
RT: 6.35 min Scan# 725

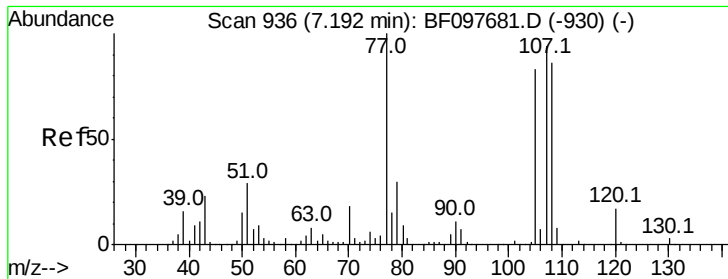
Delta R.T. -0.01 min

Lab File: BF098367.D

Acq: 8 Sep 2017 22:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
94	100		43257		
65	24.1	9.9	49.9		
66	36.3	23.1	63.1		





#20

3+4-Methylphenols

Concen: 14.323 ng

RT: 7.11 min Scan# 854

Delta R.T. -0.02 min

Lab File: BF098367.D

Acq: 8 Sep 2017 22:58

Instrument :

BNA_F

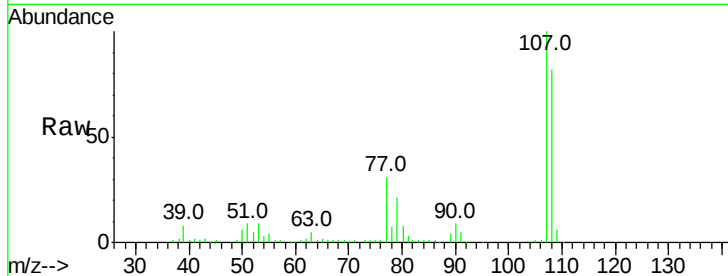
ClientSampleId :

RL-3-11.75-23.5

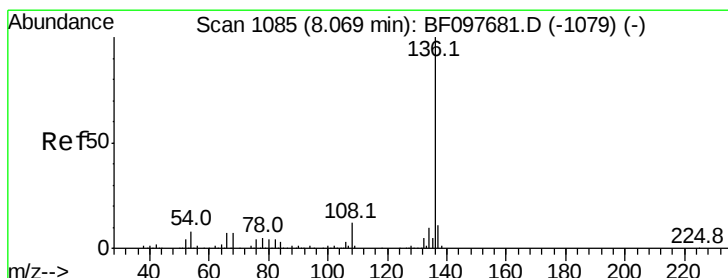
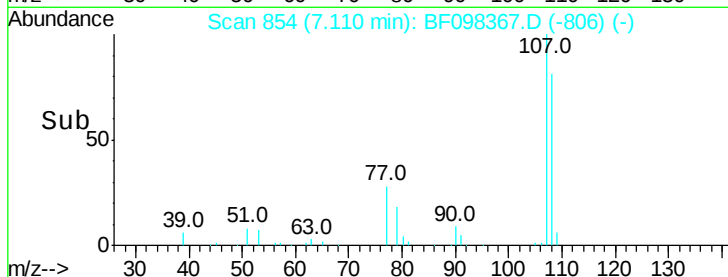
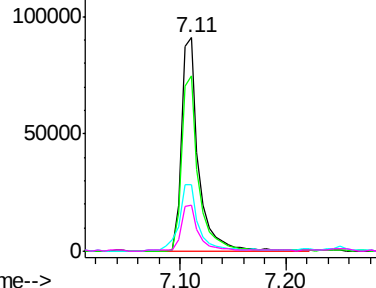
Tot Ion	Ratio	Lower	Upper
107	100		
108	82.2	71.0	111.0
77	31.1	90.5	130.5#
79	21.4	8.4	48.4

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Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.96 min Scan# 999

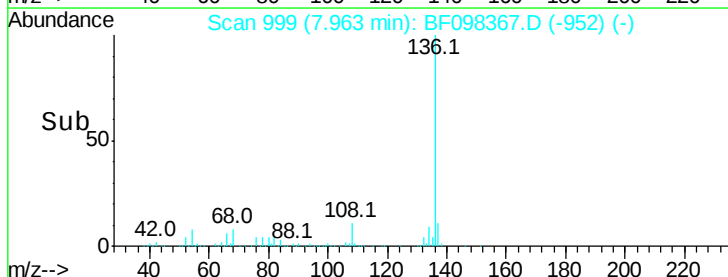
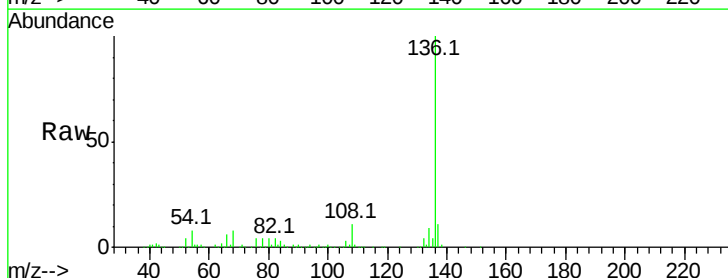
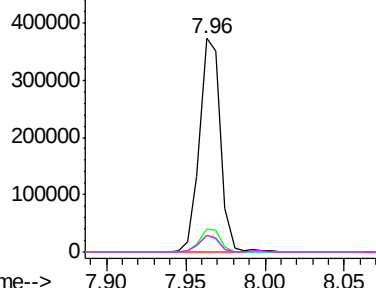
Delta R.T. -0.02 min

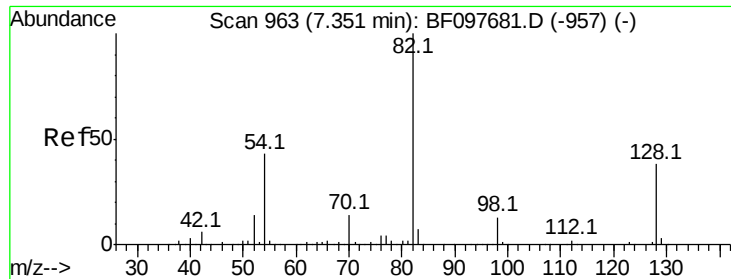
Lab File: BF098367.D

Acq: 8 Sep 2017 22:58

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	7.7	4.9	7.3#
68	7.9	4.1	6.1#

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0





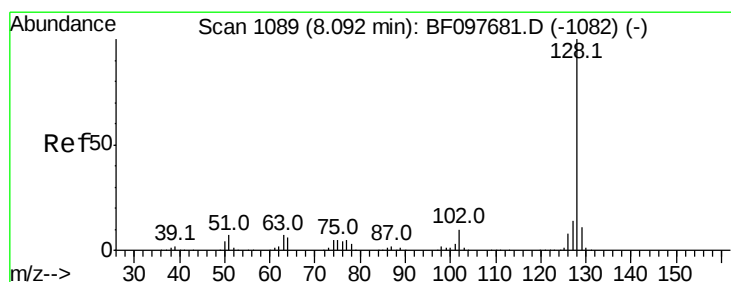
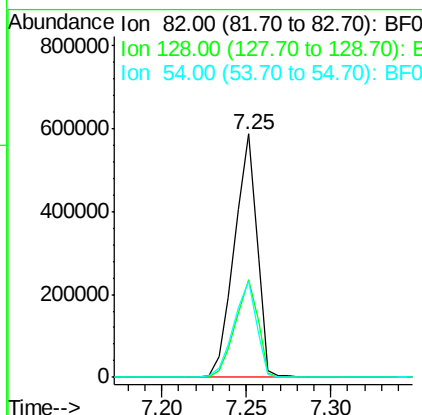
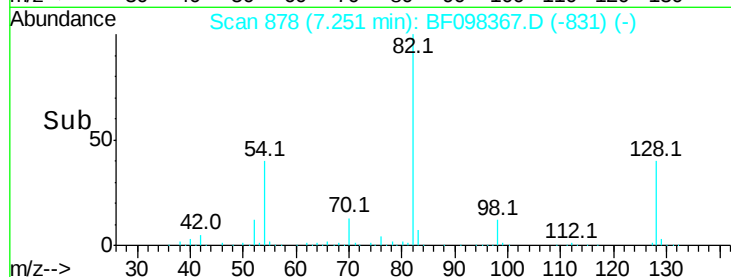
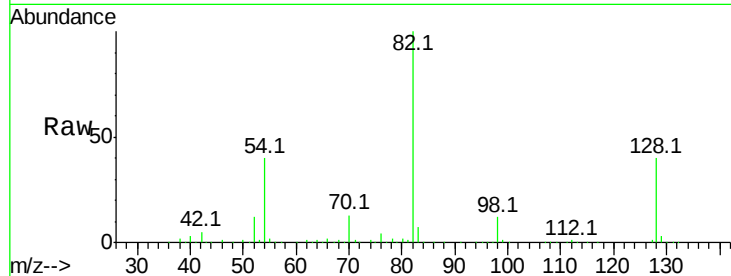
#23
Nitrobenzene-d5
Concen: 86.867 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.02 min
Lab File: BF098367.D
Acq: 8 Sep 2017 22:58

Instrument :
BNA_F
ClientSampleId :
RL-3-11.75-23.5

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	40.1	34.0	51.0	
54	39.8	42.2	63.2	

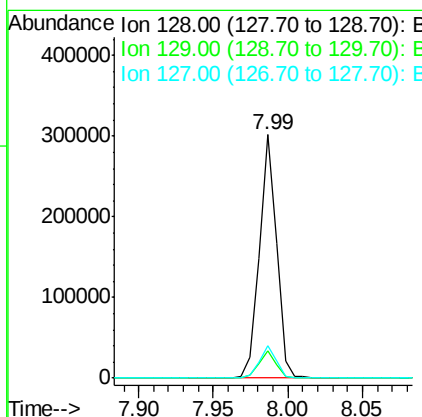
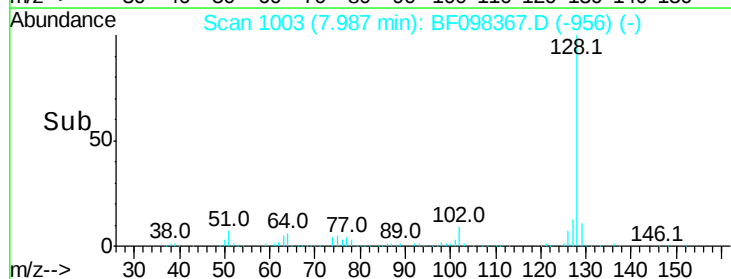
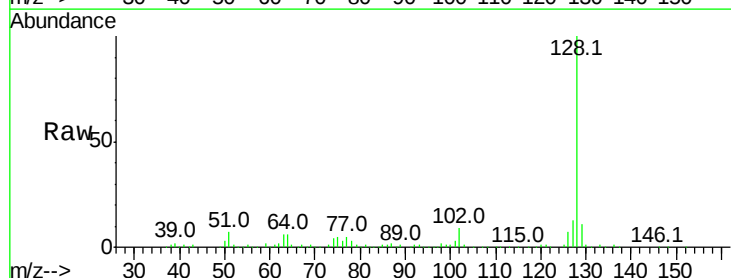
Manual Integrations
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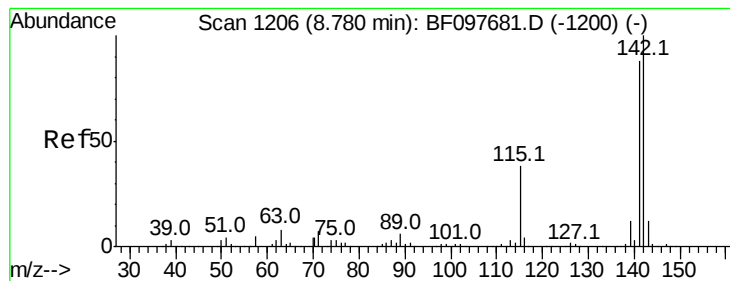
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#31
Naphthalene
Concen: 13.368 ng
RT: 7.99 min Scan# 1003
Delta R.T. -0.02 min
Lab File: BF098367.D
Acq: 8 Sep 2017 22:58

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.1	9.0	13.6	
127	13.1	10.8	16.2	





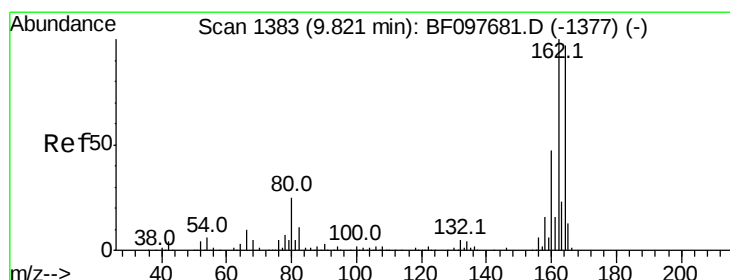
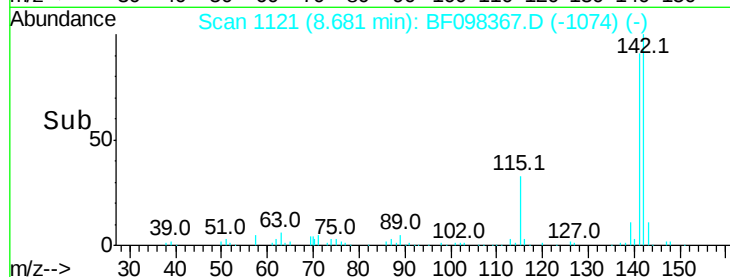
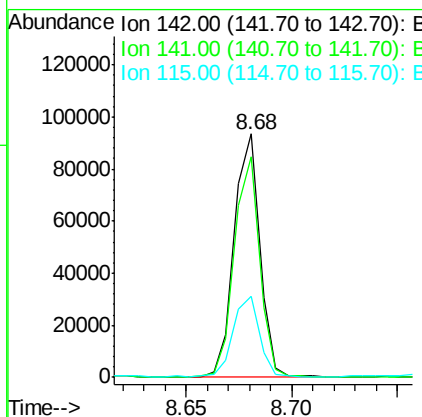
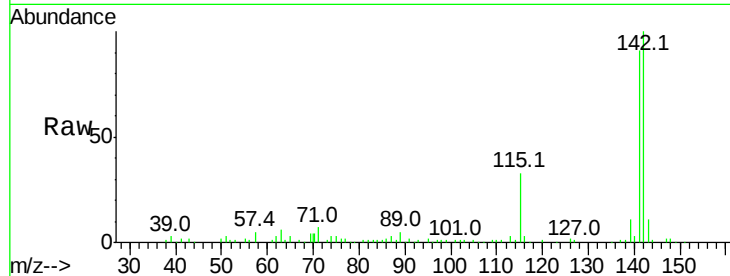
#37
2-Methylnaphthalene
Concen: 7.190 ng
RT: 8.68 min Scan# 1121
Delta R.T. -0.02 min
Lab File: BF098367.D
Acq: 8 Sep 2017 22:58

Instrument :
BNA_F
ClientSampleId :
RL-3-11.75-23.5

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.6	71.3	106.9
115	33.2	27.1	40.7

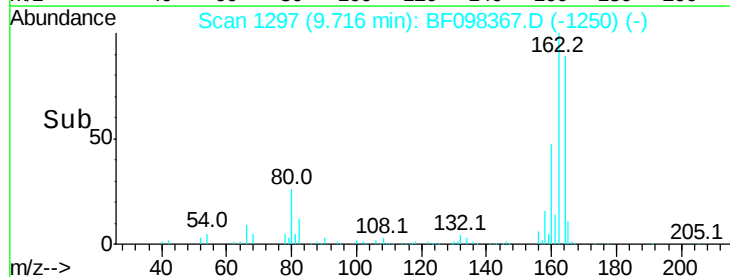
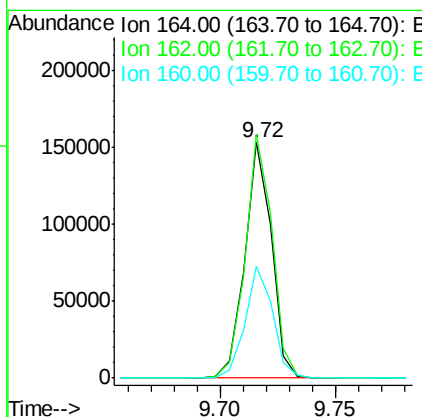
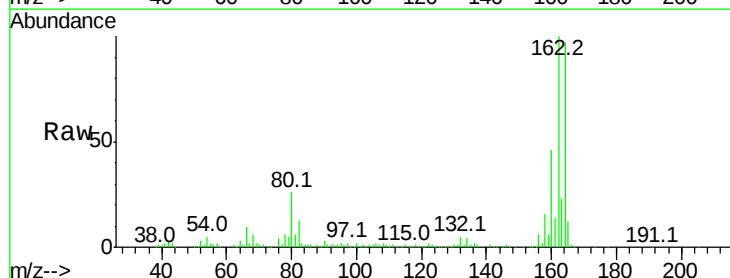
Manual Integrations
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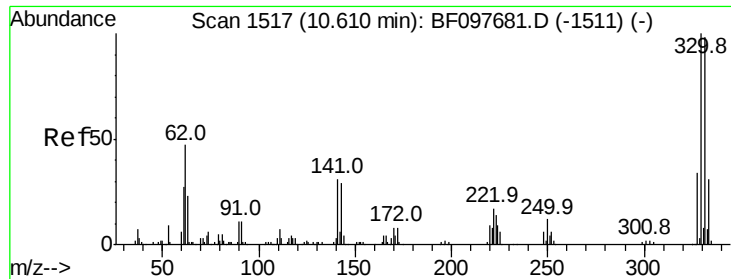
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF098367.D
Acq: 8 Sep 2017 22:58

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	82.6	123.8
160	47.7	36.2	54.2





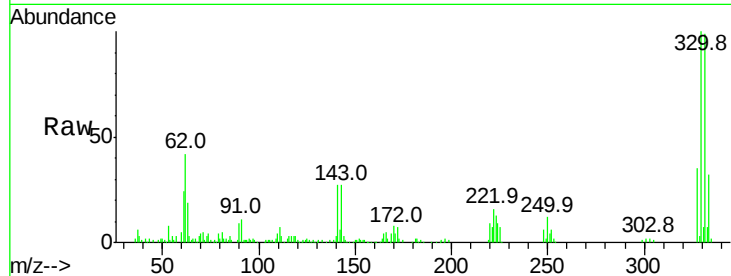
#41
 2,4,6-Tribromophenol
 Concen: 110.561 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.02 min
 Lab File: BF098367.D
 Acq: 8 Sep 2017 22:58

Instrument :
 BNA_F
 ClientSampled :
 RL-3-11.75-23.5

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.6	76.6	115.0	
141	34.0	31.4	47.2	

Manual Integrations
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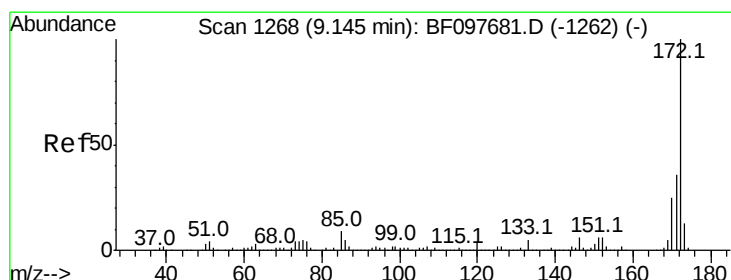
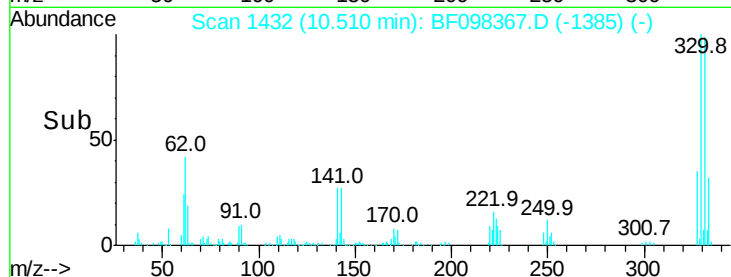
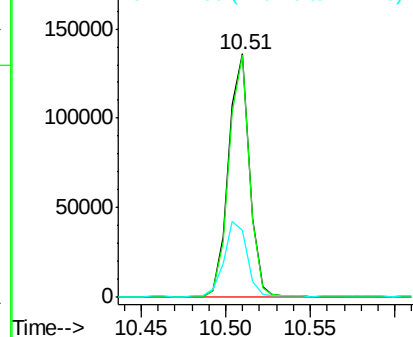


Abundance

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: 91.346 ng
 RT: 9.05 min Scan# 1183
 Delta R.T. -0.02 min
 Lab File: BF098367.D
 Acq: 8 Sep 2017 22:58

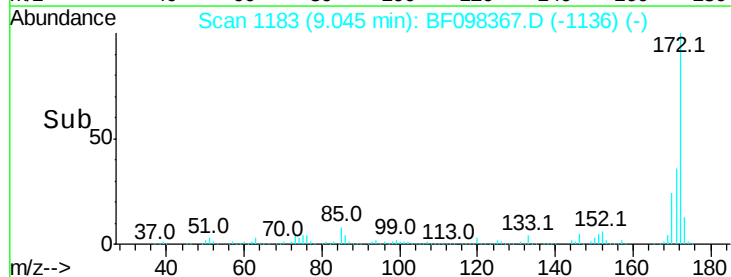
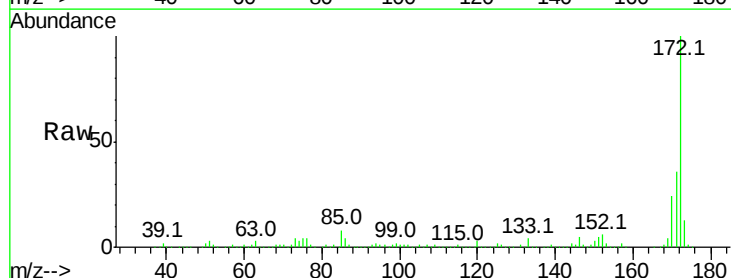
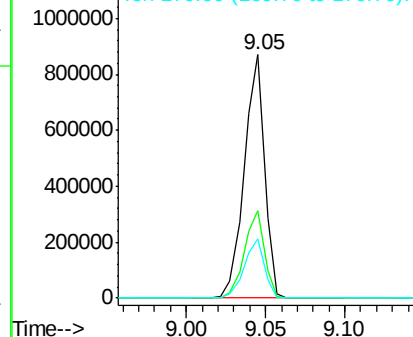
Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.0	29.6	44.4	
170	24.2	19.8	29.8	

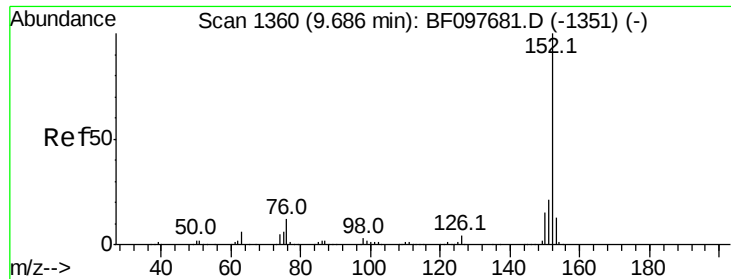
Abundance

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





#48

Acenaphthylene

Concen: 3.197 ng

RT: 9.58 min Scan# 1274

Delta R.T. -0.02 min

Lab File: BF098367.D

Acq: 8 Sep 2017 22:58

Instrument :

BNA_F

ClientSampleId :

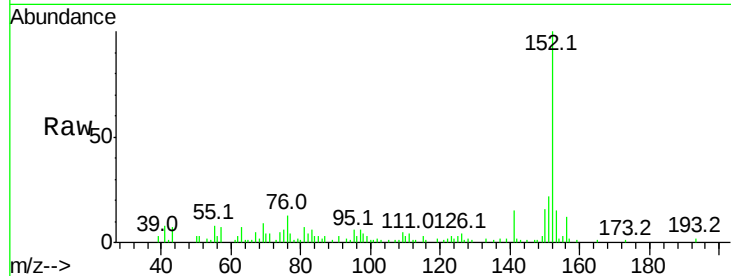
RL-3-11.75-23.5

Tot Ion:	152	Resp:	41940
Ion Ratio	Lower	Upper	
152	100		
151	21.7	16.8	25.2
153	15.5	10.8	16.2

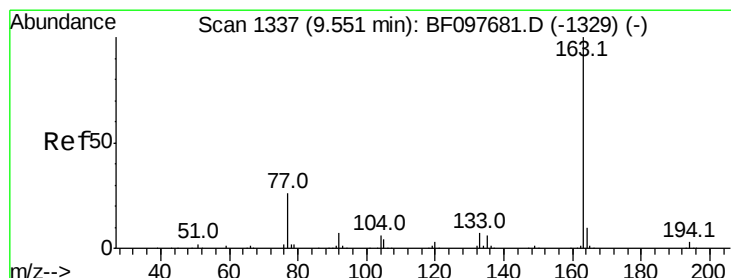
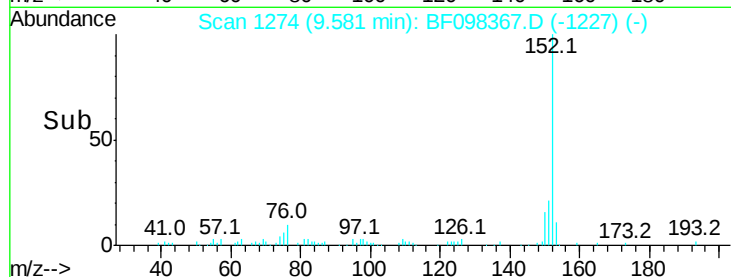
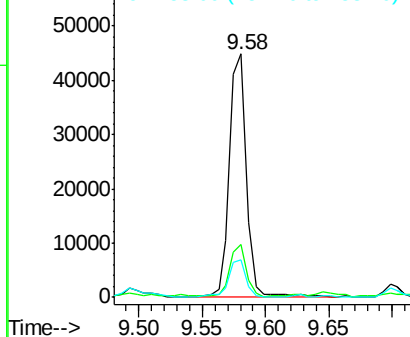
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 11.030 ng

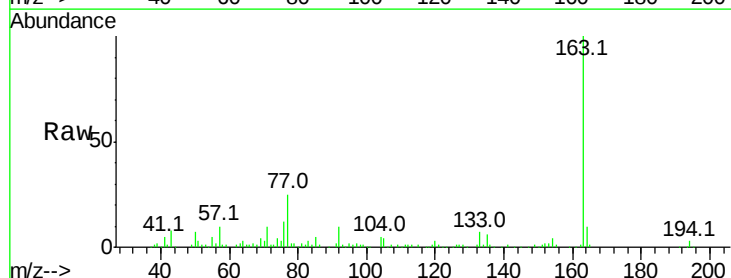
RT: 9.44 min Scan# 1250

Delta R.T. -0.04 min

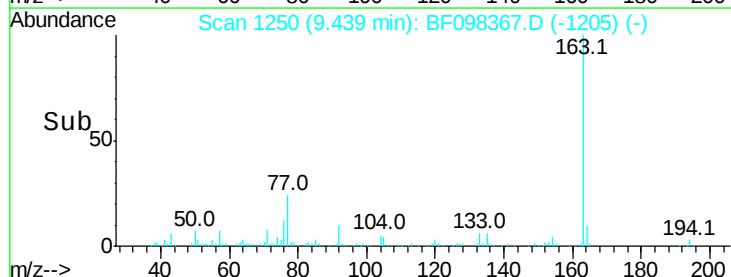
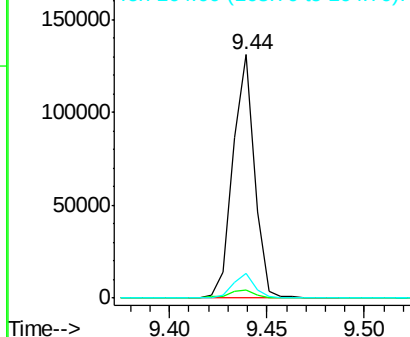
Lab File: BF098367.D

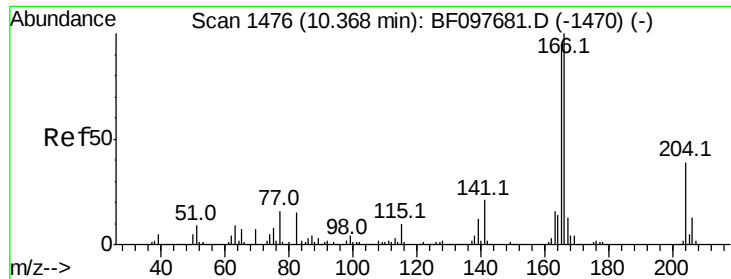
Acq: 8 Sep 2017 22:58

Tgt Ion:	163	Resp:	99969
Ion Ratio	Lower	Upper	
163	100		
194	3.4	2.6	4.0
164	10.2	8.4	12.6



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





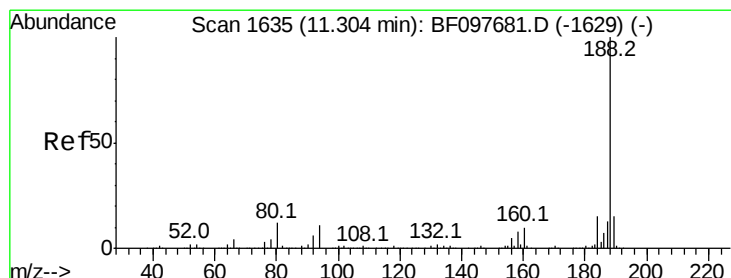
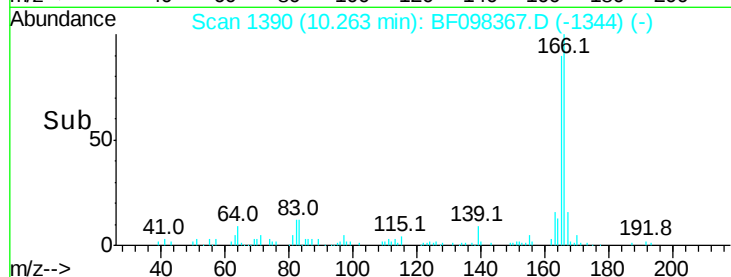
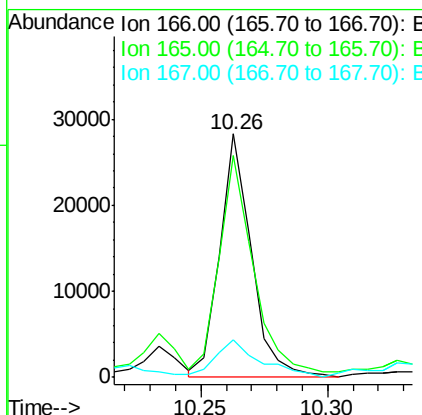
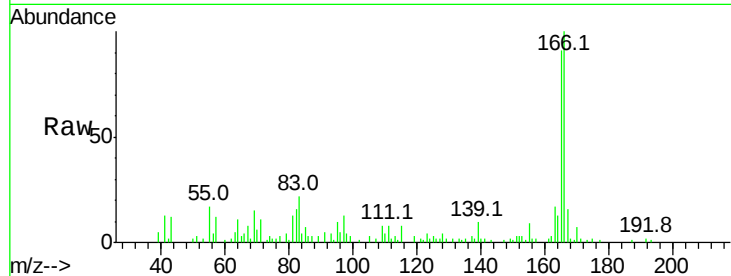
#57
Fluorene
 Concen: 2.875 ng
 RT: 10.26 min Scan# 1390
 Delta R.T. -0.03 min
 Lab File: BF098367.D
 Acq: 8 Sep 2017 22:58

Instrument :
 BNA_F
 ClientSampleId :
 RL-3-11.75-23.5

Tot Ion	Ratio	Resp	Lower	Upper
166	100	24651		
165	91.2		78.8	118.2
167	15.6		10.6	16.0

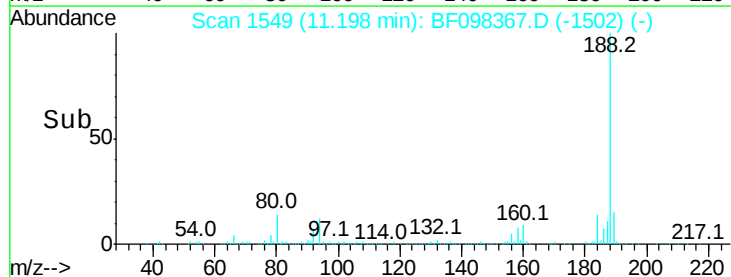
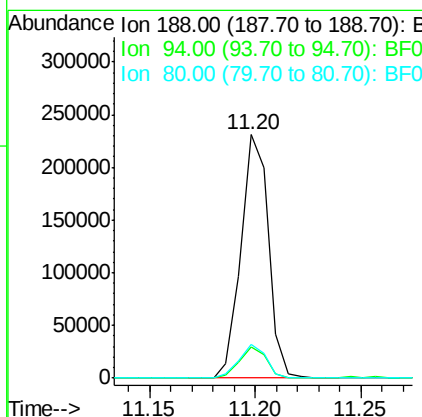
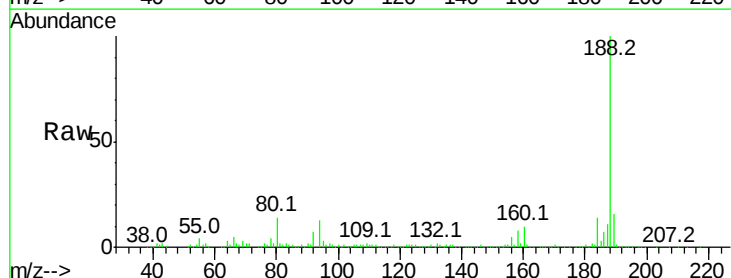
Manual Integrations
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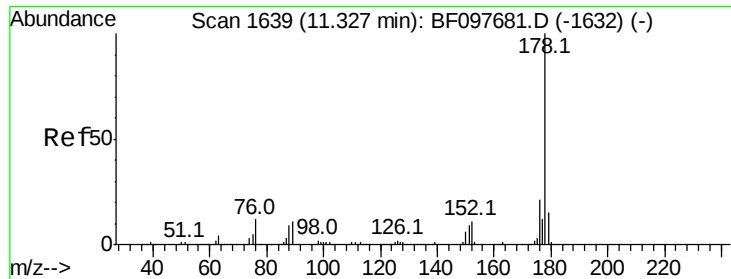
Sohil
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.20 min Scan# 1549
 Delta R.T. -0.02 min
 Lab File: BF098367.D
 Acq: 8 Sep 2017 22:58

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	207914		
94	12.6		9.4	14.2
80	13.8		10.2	15.2





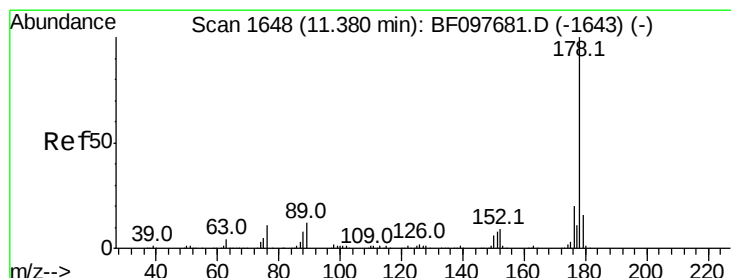
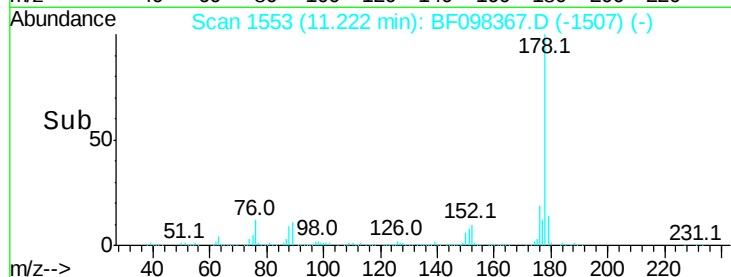
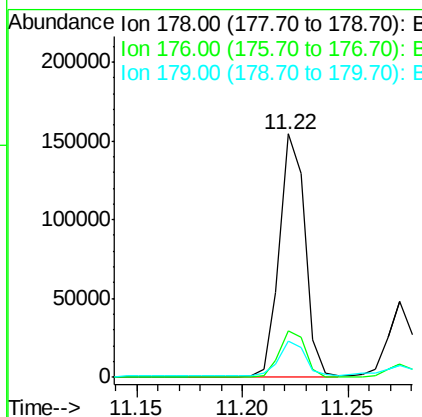
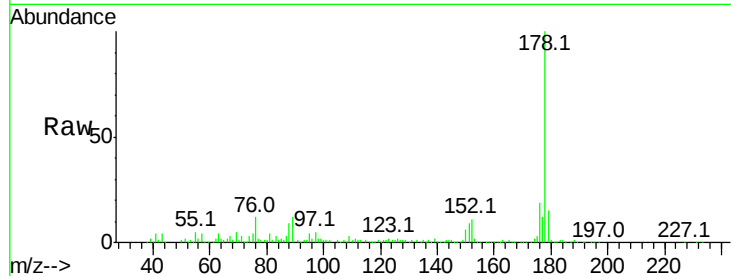
#70
Phenanthrene
Concen: 11.917 ng
RT: 11.22 min Scan# 1553
Delta R.T. -0.03 min
Lab File: BF098367.D
Acq: 8 Sep 2017 22:58

Instrument :
BNA_F
ClientSampleId :
RL-3-11.75-23.5

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.2	24.4
179	15.0	12.6	19.0

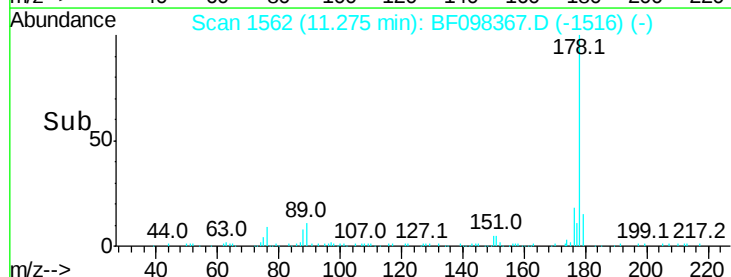
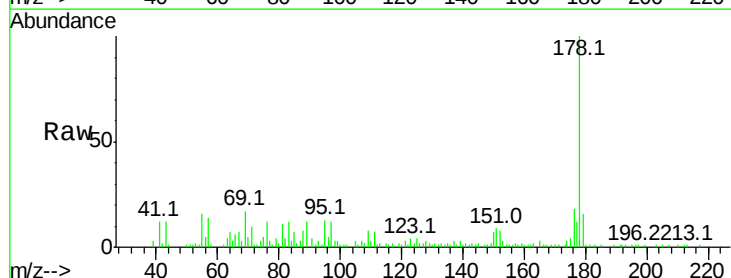
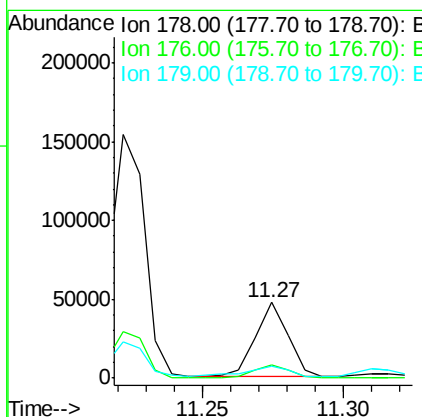
Manual Integrations
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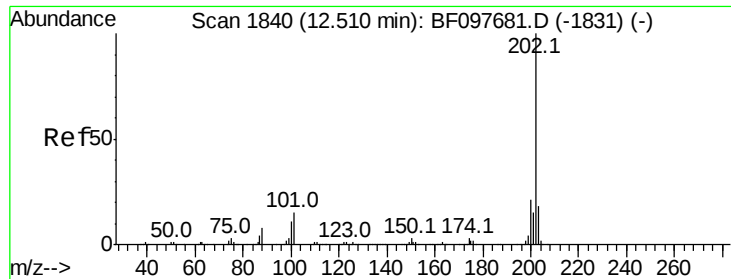
Sohil
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#71
Anthracene
Concen: 3.399 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.03 min
Lab File: BF098367.D
Acq: 8 Sep 2017 22:58

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.8	23.8
179	16.4	12.7	19.1





#74

Fluoranthene

Concen: 12.433 ng

RT: 12.41 min Scan# 1755

Delta R.T. -0.02 min

Lab File: BF098367.D

Acq: 8 Sep 2017 22:58

Instrument :

BNA_F

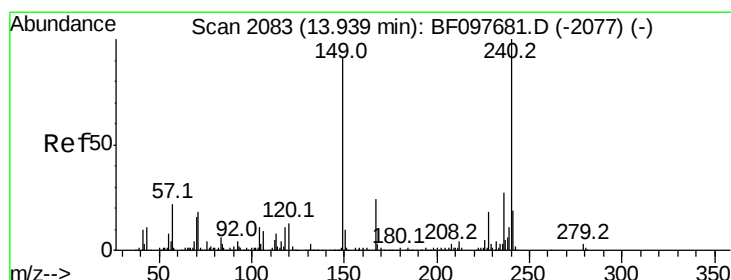
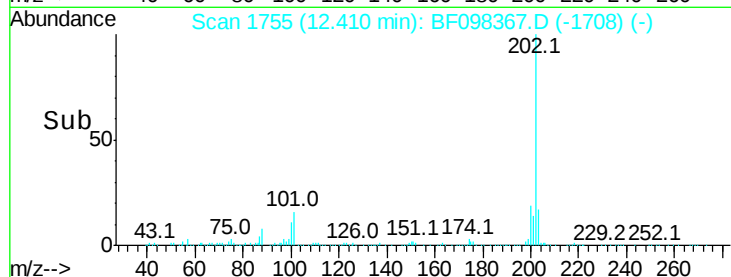
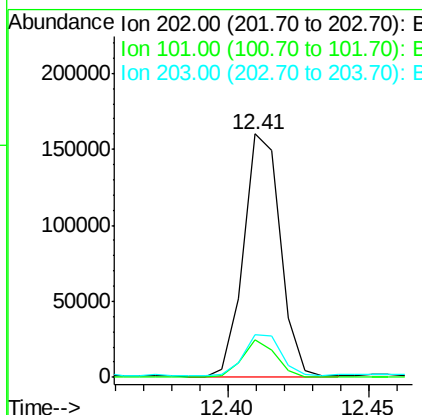
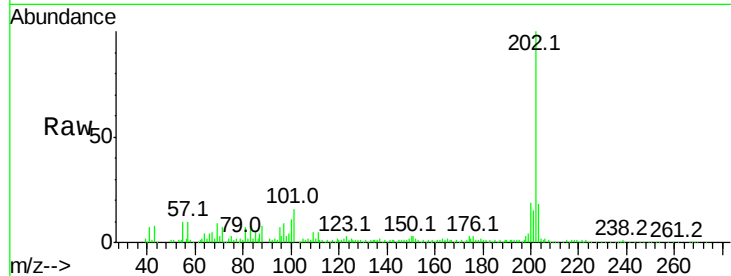
ClientSampleId :

RL-3-11.75-23.5

Tot Ion:	202	Resp:	143773
Ion Ratio	Lower	Upper	
202	100		
101	15.5	0.0	33.2
203	17.6	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

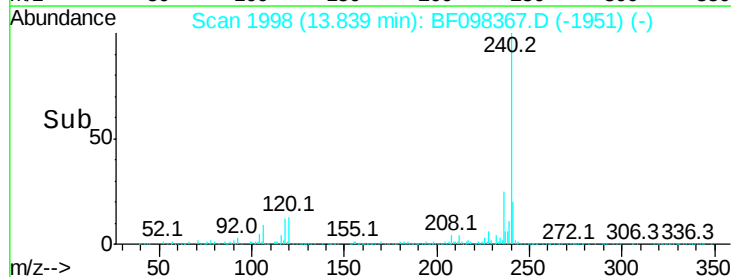
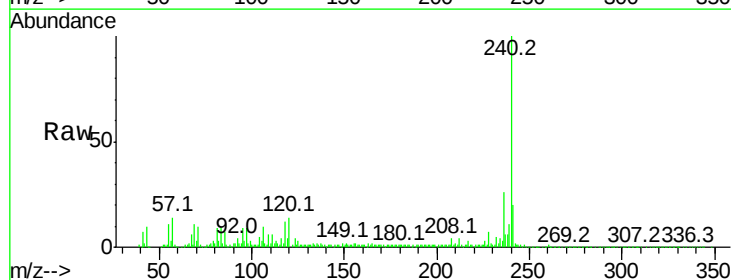
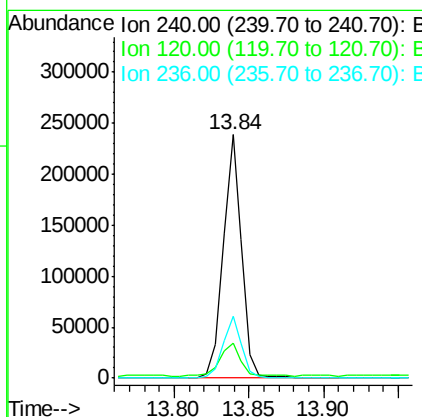
RT: 13.84 min Scan# 1998

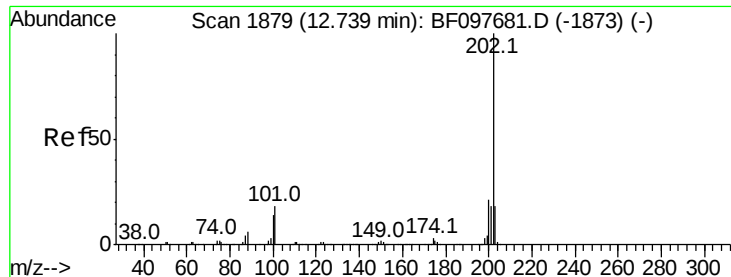
Delta R.T. -0.02 min

Lab File: BF098367.D

Acq: 8 Sep 2017 22:58

Tgt Ion:	240	Resp:	205670
Ion Ratio	Lower	Upper	
240	100		
120	14.2	5.8	8.8#
236	25.5	20.5	30.7





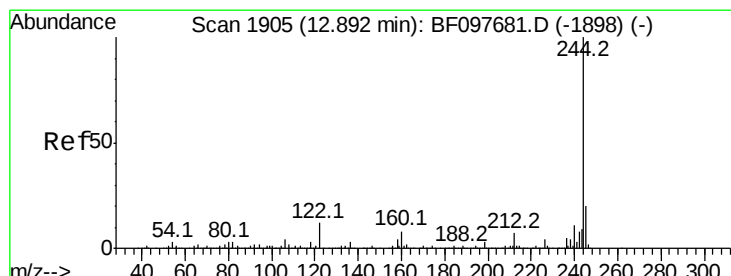
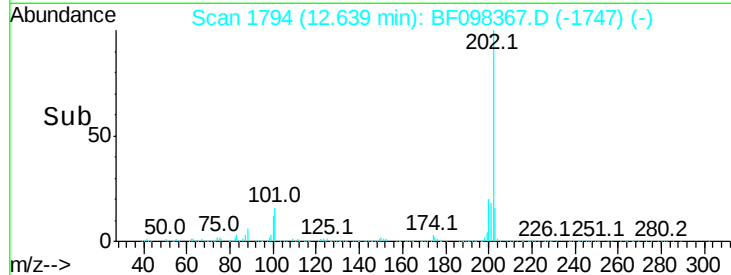
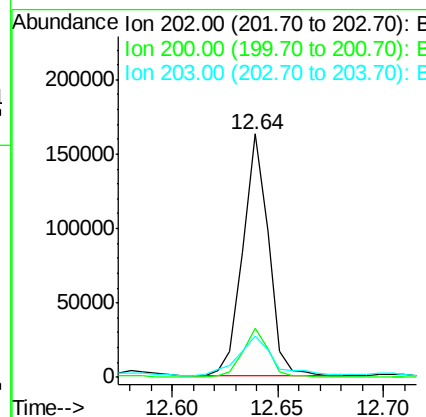
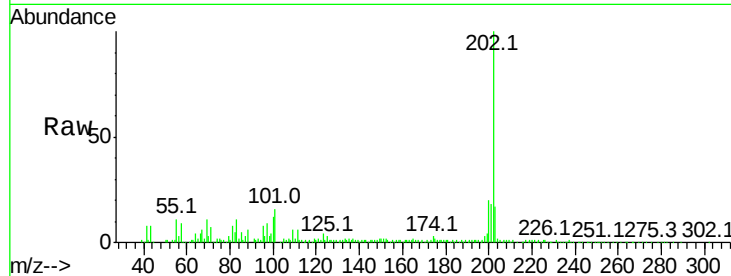
#77
Pvrene
Concen: 8.130 ng
RT: 12.64 min Scan# 1794
Delta R.T. -0.02 min
Lab File: BF098367.D
Acq: 8 Sep 2017 22:58

Instrument :
BNA_F
ClientSampleId :
RL-3-11.75-23.5

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.2	17.6	26.4
203	16.8	14.4	21.6

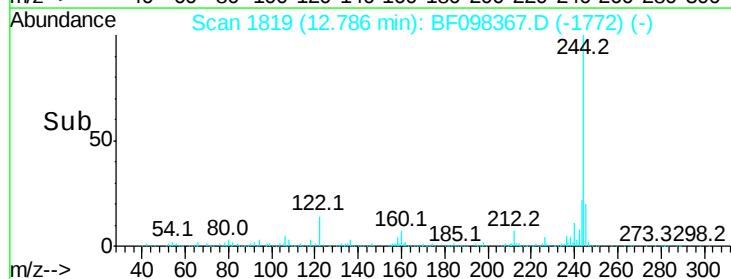
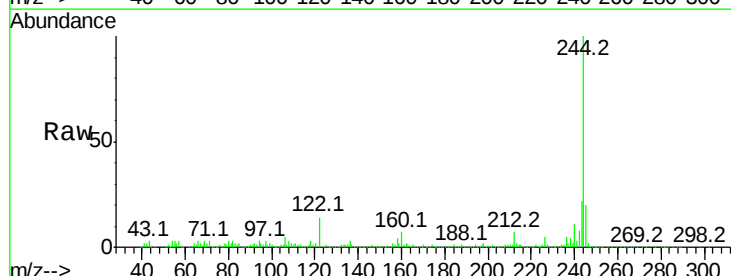
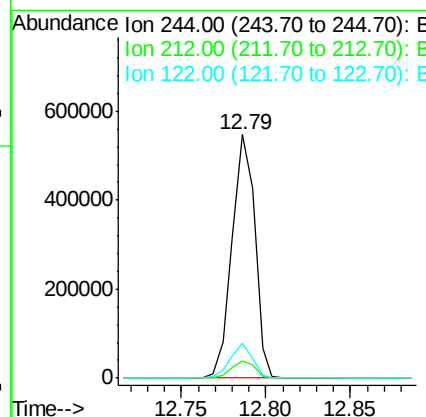
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APPROVED

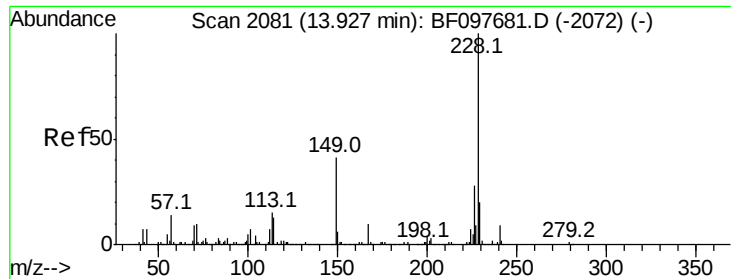
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#78
Terphenyl-d14
Concen: 52.036 ng
RT: 12.79 min Scan# 1819
Delta R.T. -0.02 min
Lab File: BF098367.D
Acq: 8 Sep 2017 22:58

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.0	6.0	9.0
122	14.1	10.3	15.5





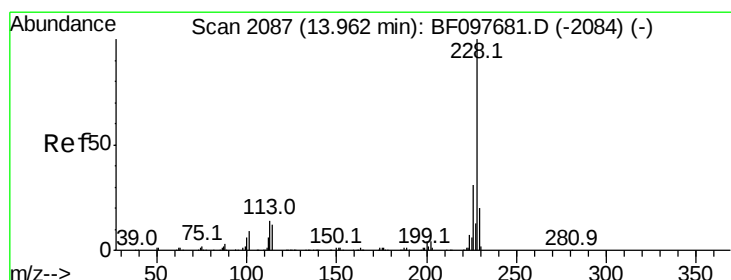
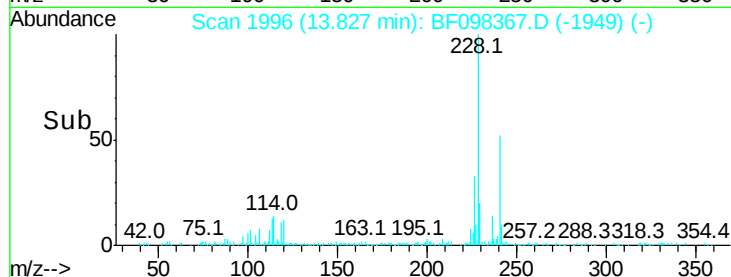
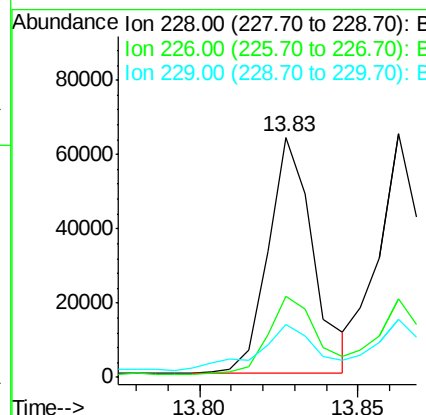
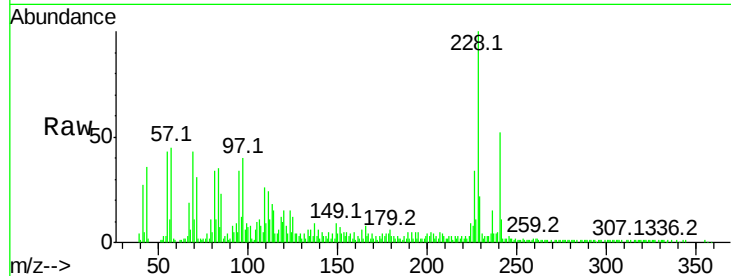
#80
Benzo(a)anthracene
Concen: 5.079 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.02 min
Lab File: BF098367.D
Acq: 8 Sep 2017 22:58

Instrument :
BNA_F
ClientSampleId :
RL-3-11.75-23.5

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.7	22.6	33.8
229	21.9	16.3	24.5

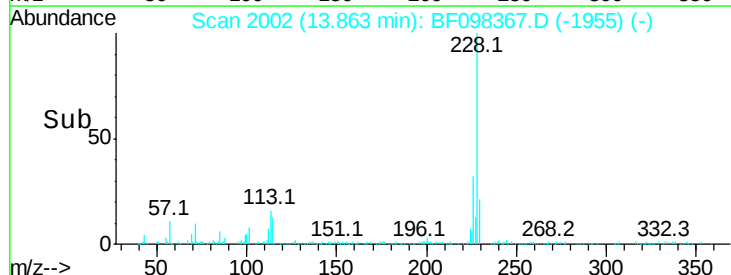
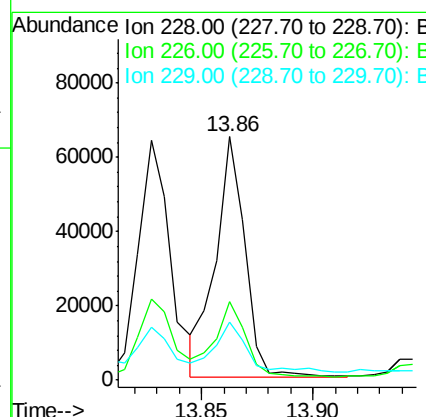
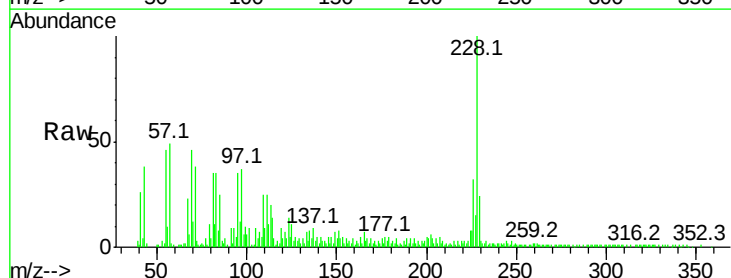
Manual Integrations
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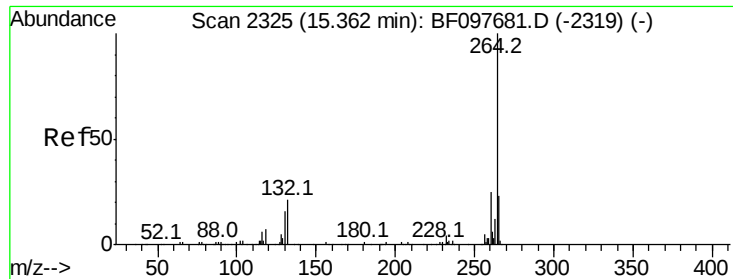
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#82
Chrysene
Concen: 4.887 ng m
RT: 13.86 min Scan# 2002
Delta R.T. -0.02 min
Lab File: BF098367.D
Acq: 8 Sep 2017 22:58

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.3	24.9	37.3
229	23.9	15.8	23.6#





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.25 min Scan# 2238

Delta R.T. -0.01 min

Lab File: BF098367.D

Acq: 8 Sep 2017 22:58

Instrument :

BNA_F

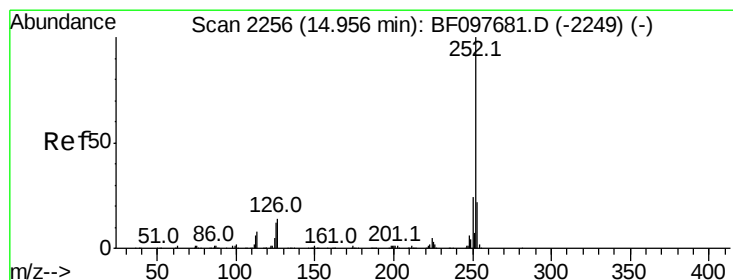
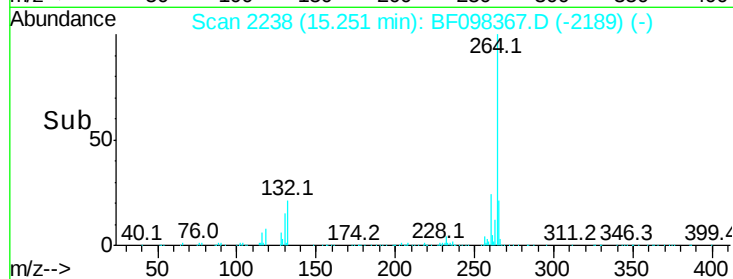
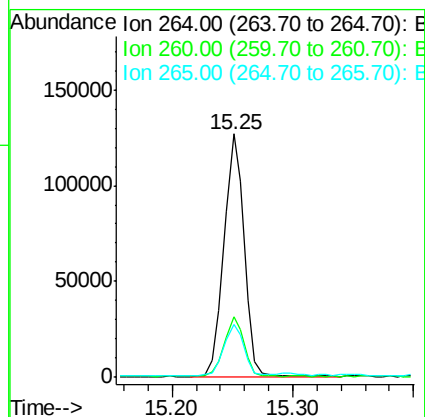
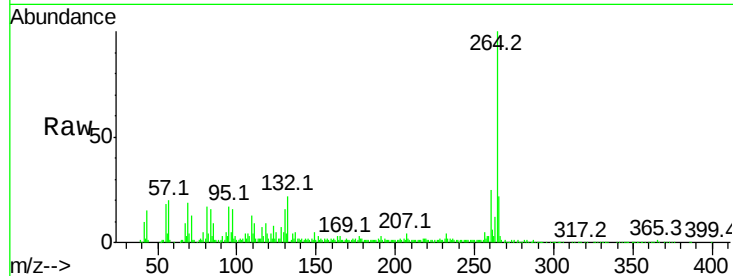
ClientSampleId :

RL-3-11.75-23.5

Tot Ion:	264	Resp:	145504
Ion Ratio	Lower	Upper	
264	100		
260	24.8	19.5	29.3
265	21.7	17.2	25.8

Manual Integrations
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#87

Benzo(b)fluoranthene

Concen: 6.128 ng m

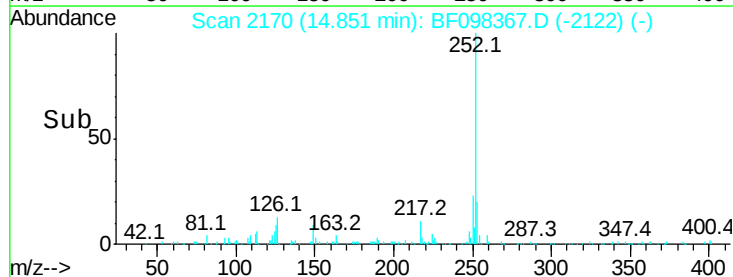
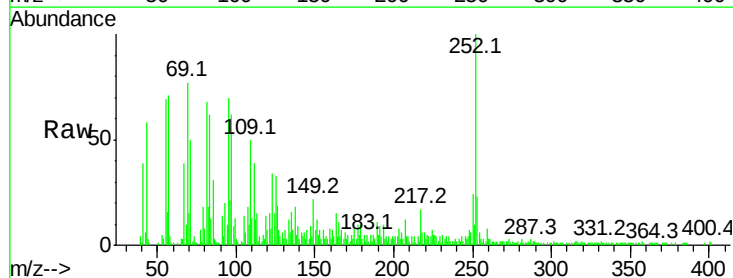
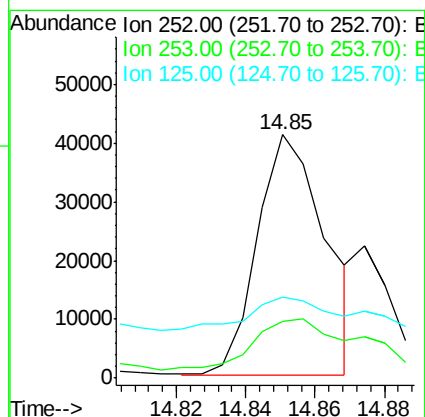
RT: 14.85 min Scan# 2170

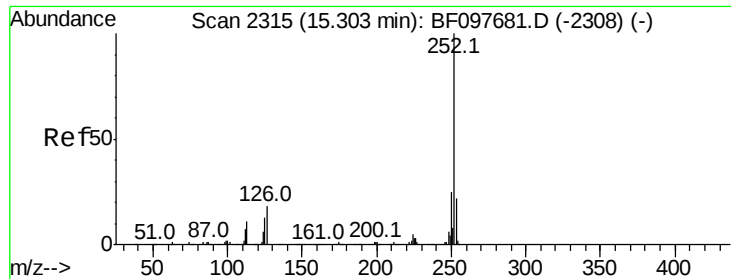
Delta R.T. -0.02 min

Lab File: BF098367.D

Acq: 8 Sep 2017 22:58

Tgt Ion:	252	Resp:	56199
Ion Ratio	Lower	Upper	
252	100		
253	23.2	18.1	27.1
125	33.4	9.8	14.8#





#89

Benzo(a)pyrene

Concen: 4.298 ng

RT: 15.19 min Scan# 2228

Delta R.T. -0.02 min

Lab File: BF098367.D

Acq: 8 Sep 2017 22:58

Instrument :

BNA_F

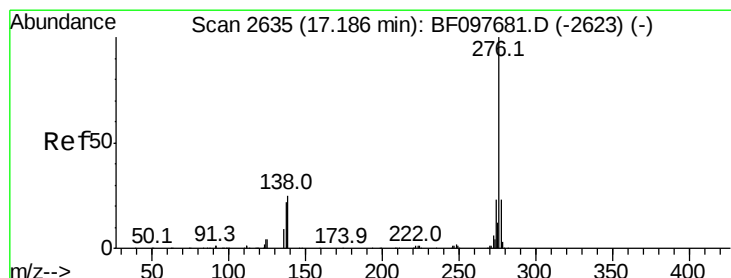
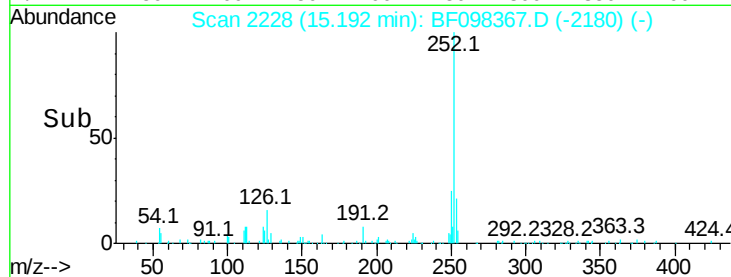
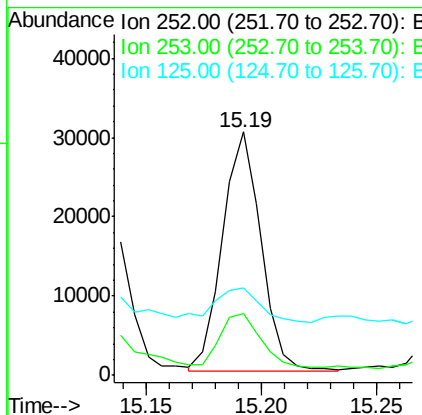
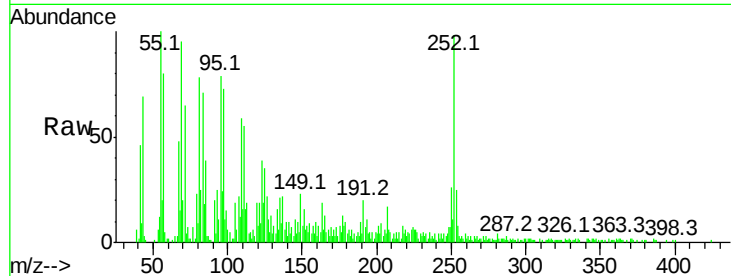
ClientSampled :

RL-3-11.75-23.5

Tot Ion:	252	Resp:	34893
Ion Ratio	Lower	Upper	
252	100		
253	25.3	17.5	26.3
125	35.7	11.0	16.4

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 2.531 ng

RT: 17.02 min Scan# 2538

Delta R.T. -0.04 min

Lab File: BF098367.D

Acq: 8 Sep 2017 22:58

Tgt Ion:	276	Resp:	17458
Ion Ratio	Lower	Upper	
276	100		
277	31.2	18.6	28.0
138	30.7	25.4	38.0

