

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF090817\
 Data File : BF098364.D
 Acq On : 8 Sep 2017 21:35
 Operator : SJ/JU
 Sample : I5113-01 20X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RL-1-0-12.25

Manual Integrations
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Quant Time: Sep 09 02:34:31 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	80021	20.00	ng	-0.02
21) Naphthalene-d8	7.97	136	280909	20.00	ng	-0.02
38) Acenaphthene-d10	9.72	164	103783	20.00	ng	-0.02
63) Phenanthrene-d10	11.20	188	182058	20.00	ng	-0.02
75) Chrysene-d12	13.84	240	192783	20.00	ng	-0.02
86) Perylene-d12	15.24	264	142858	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	13724	2.61	ng	-0.02
7) Phenol-d6	6.33	99	34187	4.78	ng	-0.02
23) Nitrobenzene-d5	7.25	82	18759	3.63	ng	-0.03
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	9.04	172	33296	4.71	ng	-0.03
78) Terphenyl-d14	12.78	244	27733	3.00	ng	-0.03
Target Compounds						
						Qvalue
31) Naphthalene	7.99	128	31671	2.172	ng	99
37) 2-Methylnaphthalene	8.68	142	20353	2.276	ng	97
51) Acenaphthene	9.75	154	59718	8.623	ng	99
54) Dibenzofuran	9.92	168	79046	8.516	ng	98
57) Fluorene	10.26	166	111809	15.580	ng	98
70) Phenanthrene	11.23	178	633753	65.326	ng	99
71) Anthracene	11.27	178	229253	23.299	ng	99
72) Carbazole	11.43	167	66111	7.078	ng	96
74) Fluoranthene	12.42	202	645281	63.726	ng	99
77) Pyrene	12.64	202	535933	33.990	ng	97
80) Benzo(a)anthracene	13.83	228	301366	26.083	ng	99
82) Chrysene	13.86	228	239940	20.876	ng	98
85) Indeno(1,2,3-cd)pyrene	16.60	276	60637	7.171	ng	# 91
87) Benzo(b)fluoranthene	14.85	252	224389m	24.919	ng	
88) Benzo(k)fluoranthene	14.87	252	77151m	9.119	ng	
89) Benzo(a)pyrene	15.19	252	147204	18.466	ng	98
90) Dibenzo(a,h)anthracene	16.60	278	17805	2.743	ng	# 82
91) Benzo(g,h,i)perylene	17.00	276	57640	8.512	ng	99

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

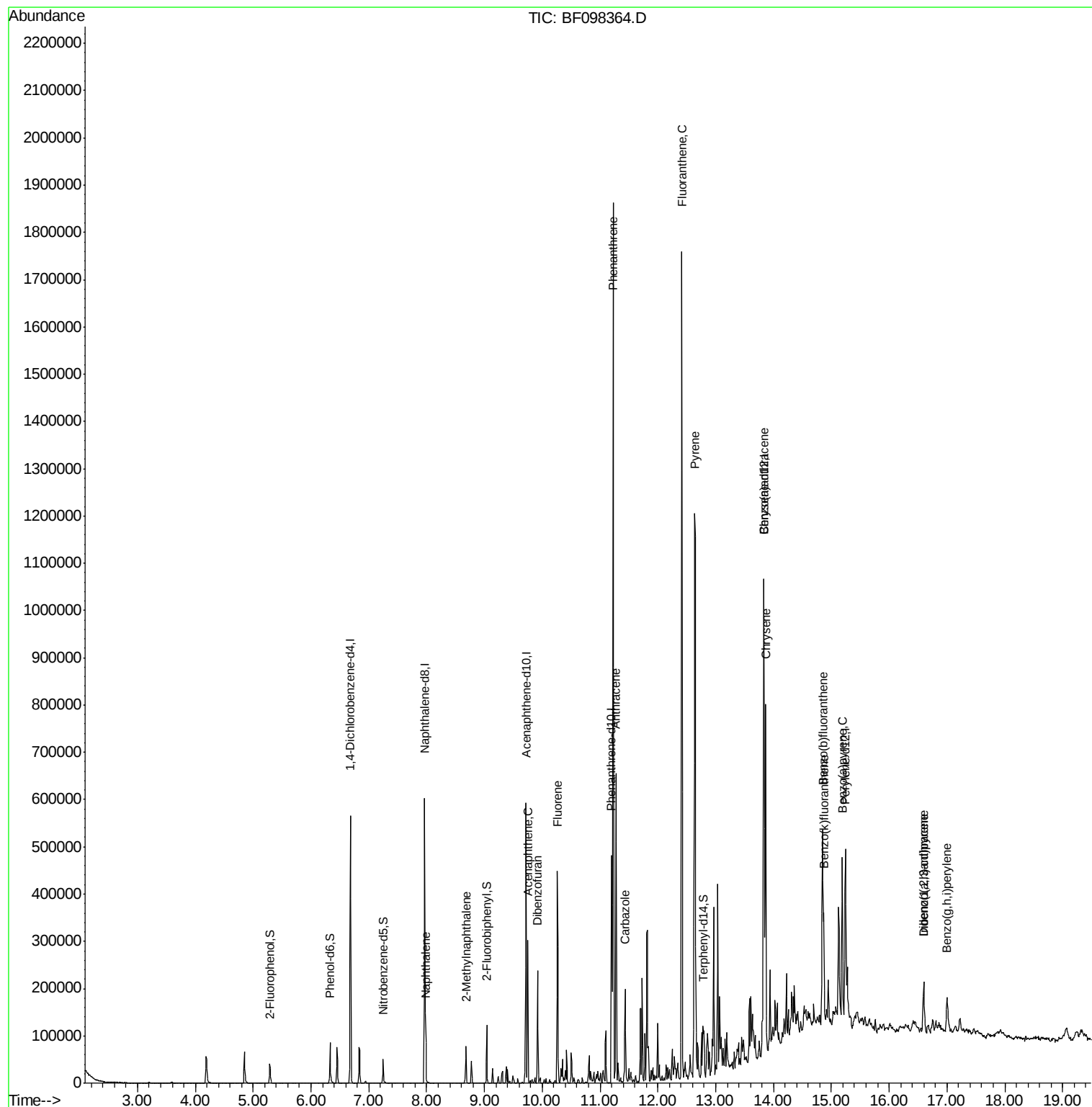
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF090817\
Data File : BF098364.D
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ALS Vial : 19 Sample Multiplier: 1

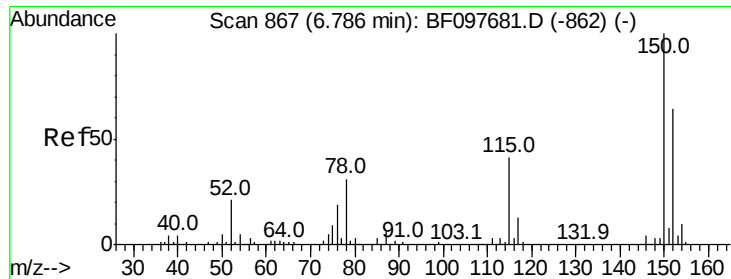
Instrument :
BNA_F
ClientSampleId :
RL-1-0-12.25

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#1

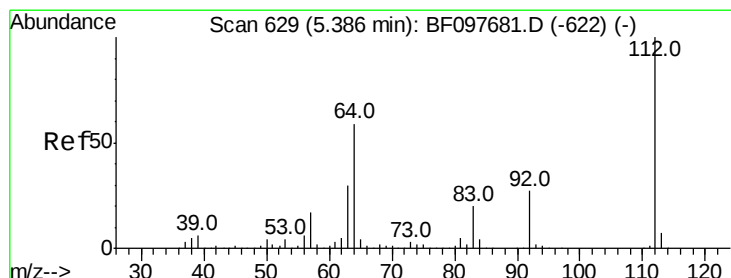
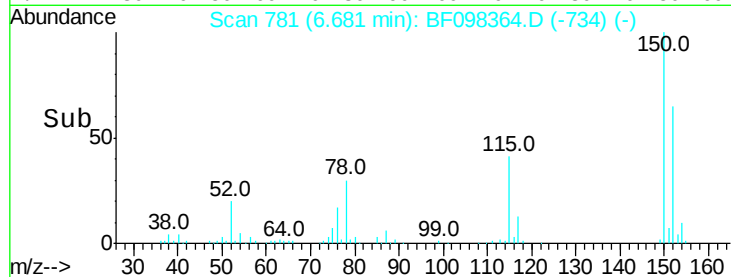
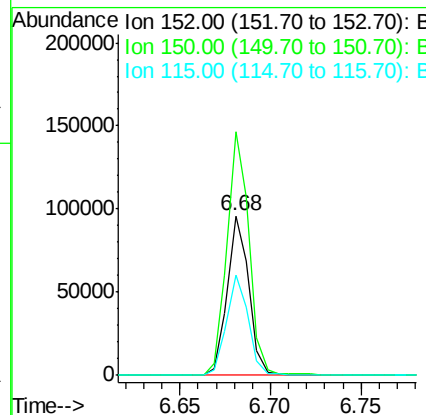
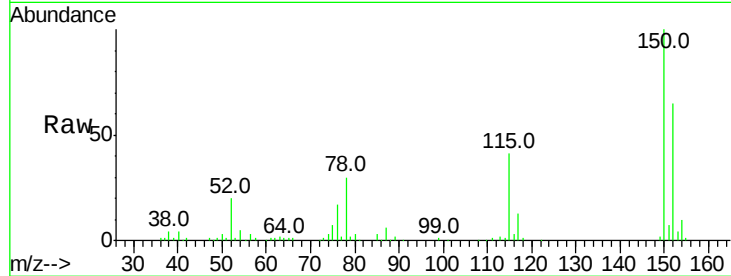
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.68 min Scan# 781
Delta R.T. -0.02 min
Lab File: BF098364.D
Acq: 8 Sep 2017 21:35

Instrument :
BNA_F
ClientSampleId :
RL-1-0-12.25

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.7	126.2	189.2
115	63.0	52.2	78.2

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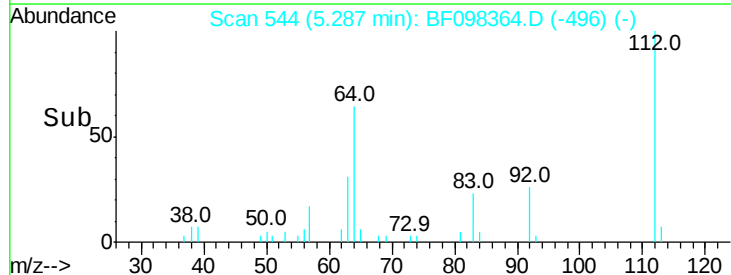
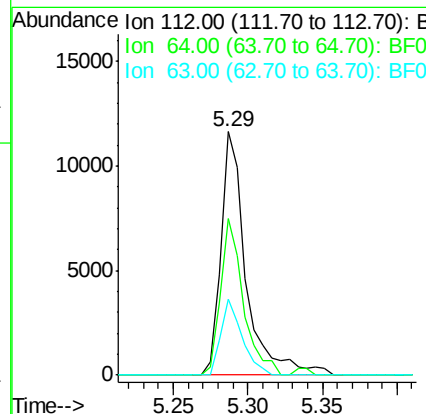
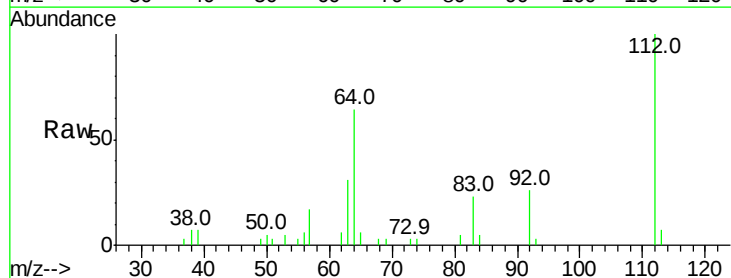
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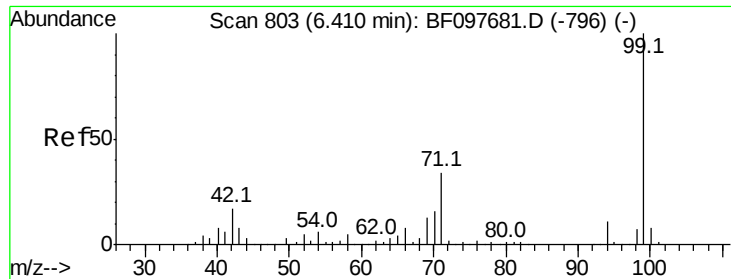


#5

2-Fluorophenol
Concen: 2.609 ng
RT: 5.29 min Scan# 544
Delta R.T. -0.02 min
Lab File: BF098364.D
Acq: 8 Sep 2017 21:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.3	46.0	69.0
63	31.3	23.4	35.0





#7

Phenol-d6

Concen: 4.783 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.02 min

Lab File: BF098364.D

Acq: 8 Sep 2017 21:35

Instrument :

BNA_F

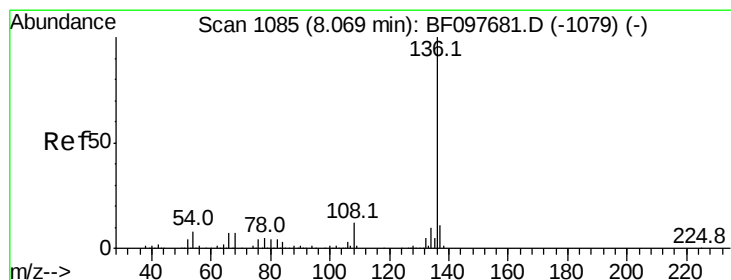
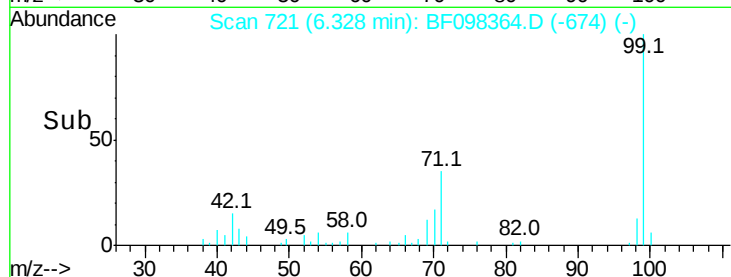
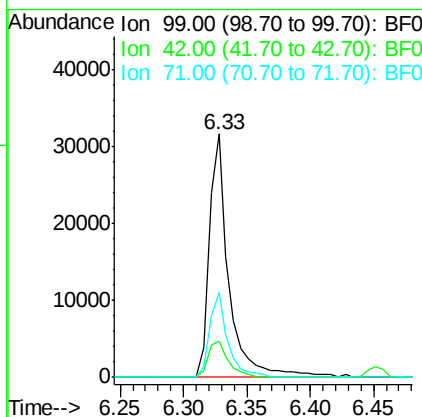
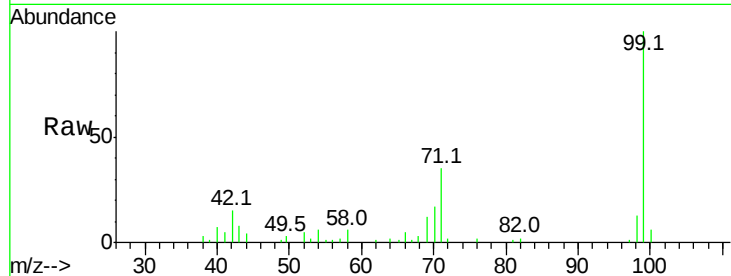
ClientSampleId :

RL-1-0-12.25

Tot Ion:	99	Resp:	34187
Ion Ratio	Lower	Upper	
99	100		
42	15.0	13.5	20.3
71	35.0	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

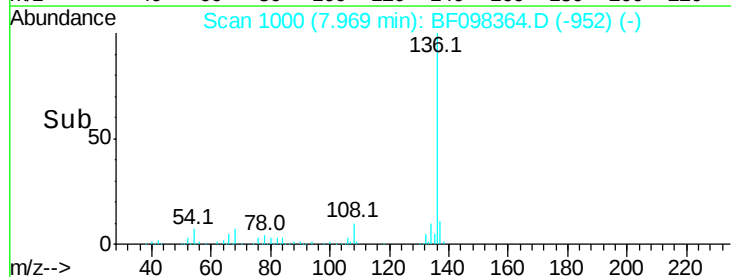
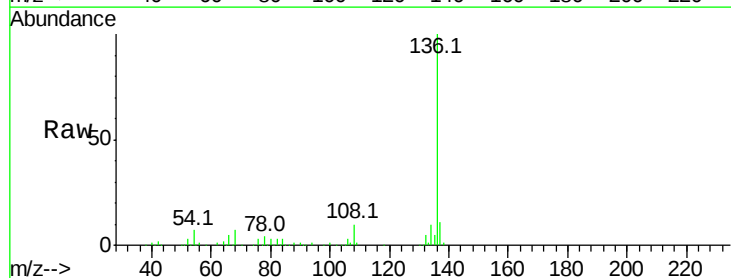
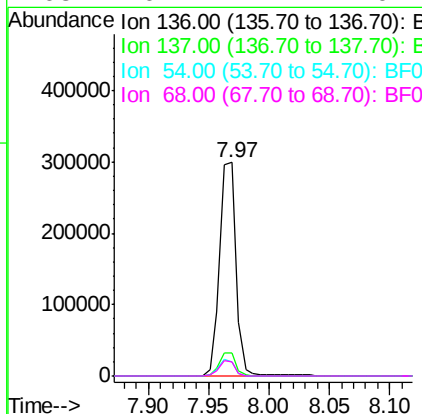
RT: 7.97 min Scan# 1000

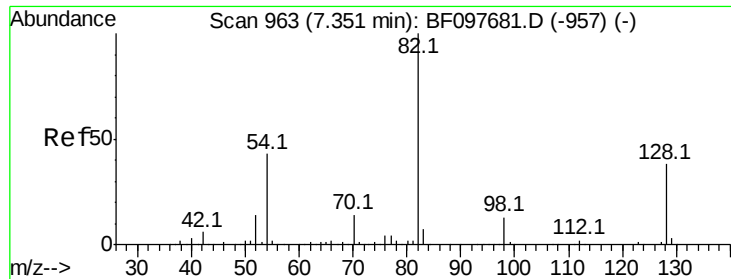
Delta R.T. -0.02 min

Lab File: BF098364.D

Acq: 8 Sep 2017 21:35

Tgt Ion:	136	Resp:	280909
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.5	12.7
54	6.8	4.9	7.3
68	6.7	4.1	6.1#





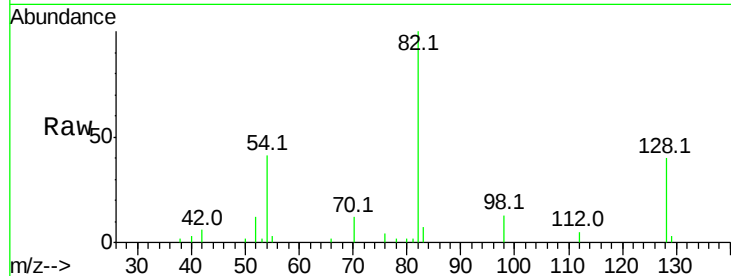
#23
 Nitrobenzene-d5
 Concen: 3.628 ng
 RT: 7.25 min Scan# 877
 Delta R.T. -0.03 min
 Lab File: BF098364.D
 Acq: 8 Sep 2017 21:35

Instrument :
 BNA_F
 ClientSampled :
 RL-1-0-12.25

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	39.5	34.0	51.0	
54	40.6	42.2	63.2	

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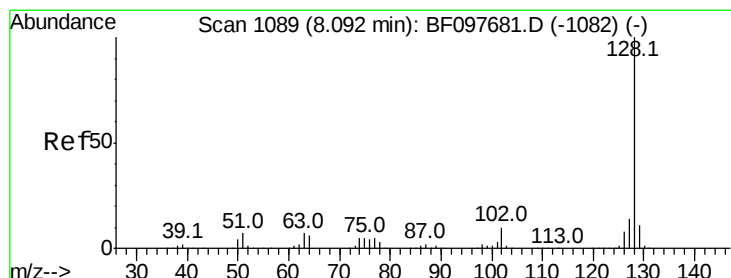
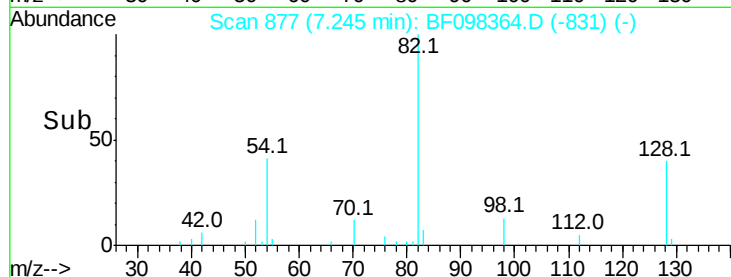
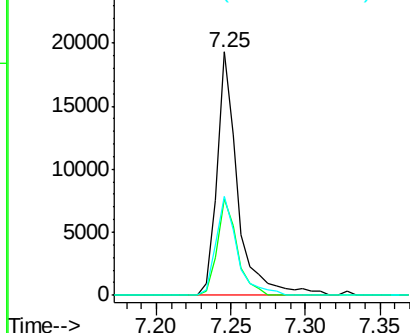


Abundance

Ion 82.00 (81.70 to 82.70): BF0

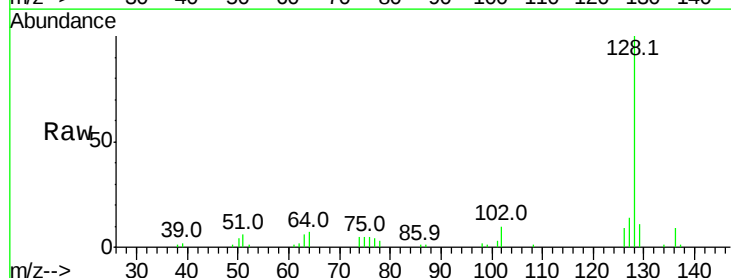
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



#31
 Naphthalene
 Concen: 2.172 ng
 RT: 7.99 min Scan# 1003
 Delta R.T. -0.02 min
 Lab File: BF098364.D
 Acq: 8 Sep 2017 21:35

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	11.0	9.0	13.6	
127	13.7	10.8	16.2	

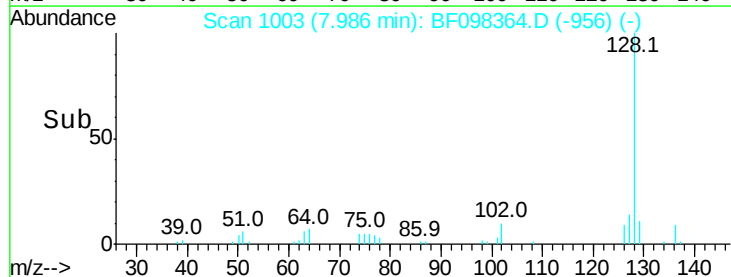
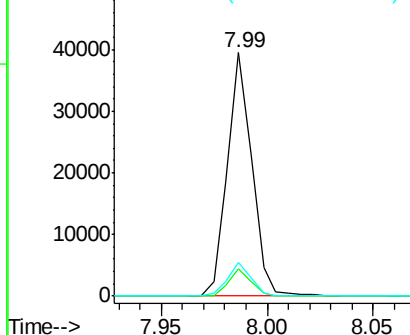


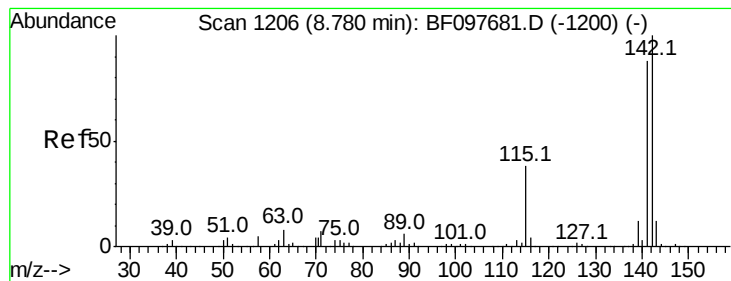
Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#37

2-Methylnaphthalene

Concen: 2.276 ng

RT: 8.68 min Scan# 1121

Delta R.T. -0.02 min

Lab File: BF098364.D

Acq: 8 Sep 2017 21:35

Instrument :

BNA_F

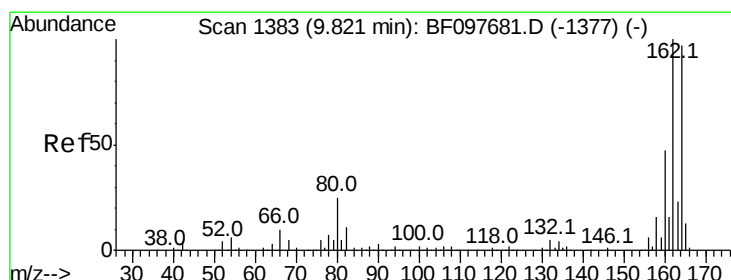
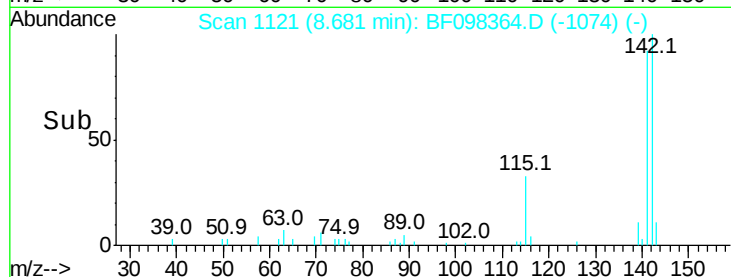
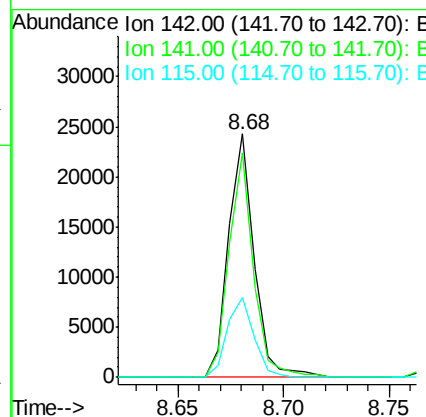
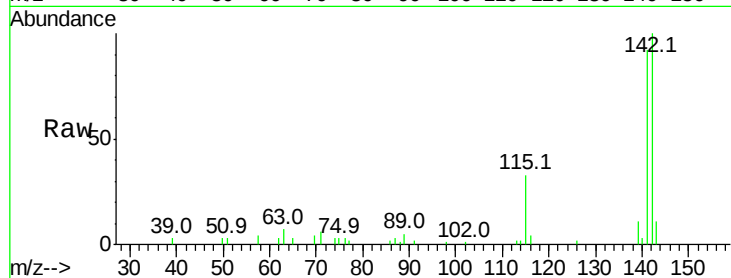
ClientSampleId :

RL-1-0-12.25

Tot Ion:	142	Resp:	20353
Ion Ratio	Lower	Upper	
142	100		
141	92.2	71.3	106.9
115	32.8	27.1	40.7

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#38

Acenaphthene-d10

Concen: 20.000 ng

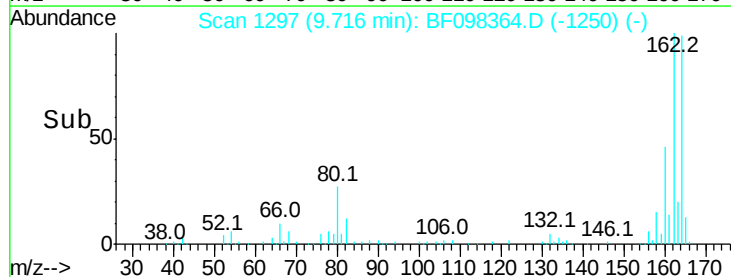
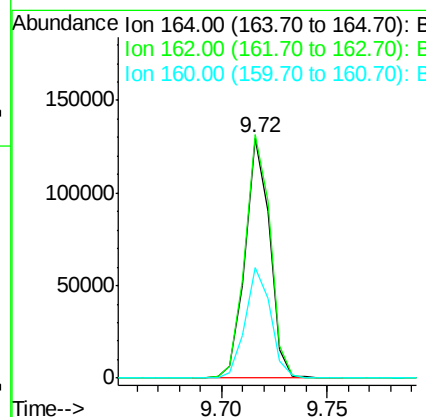
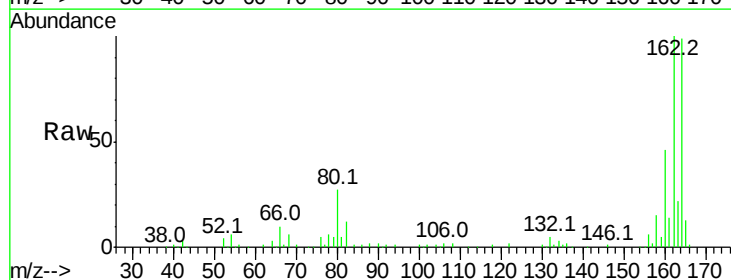
RT: 9.72 min Scan# 1297

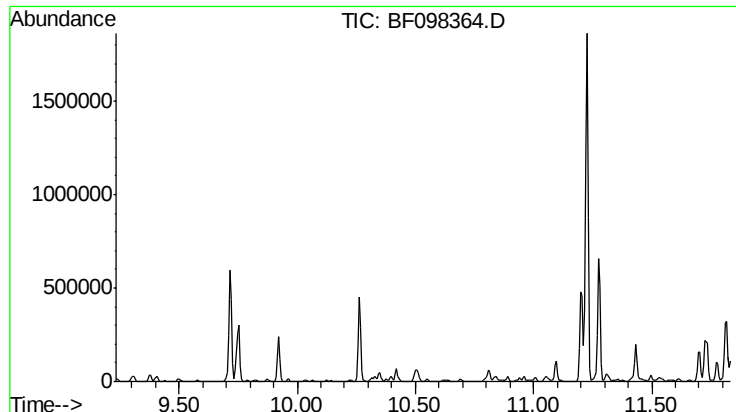
Delta R.T. -0.02 min

Lab File: BF098364.D

Acq: 8 Sep 2017 21:35

Tgt Ion:	164	Resp:	103783
Ion Ratio	Lower	Upper	
164	100		
162	101.4	82.6	123.8
160	46.2	36.2	54.2





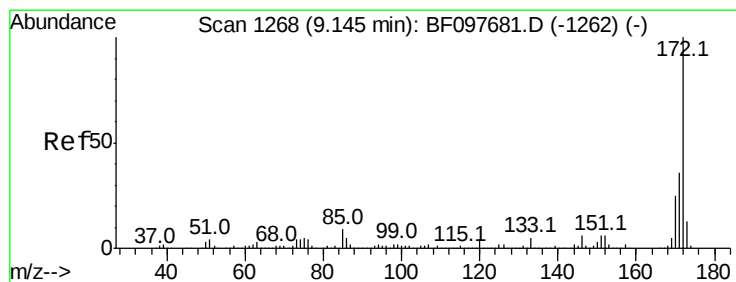
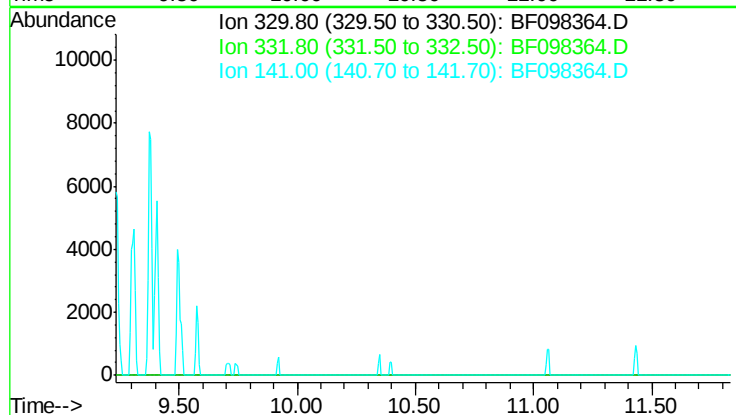
#41
 2,4,6-Tribromophenol
 Concen: 0.000 ng
 Expected RT: 10.53 min
 Lab File: BF098364.D
 Acq: 8 Sep 2017 21:35

Instrument :
 BNA_F
 ClientSampleId :
 RL-1-0-12.25

Tot Ion	330	332	141
Exp Ratio	100	95.8	39.3

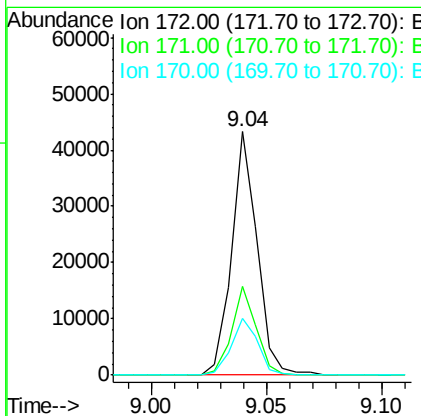
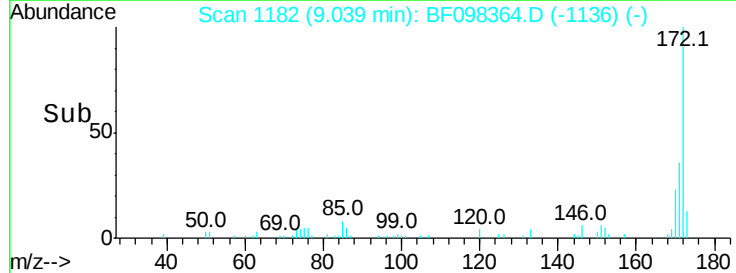
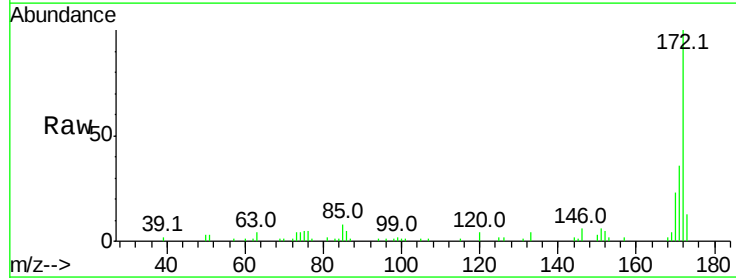
Manual Integrations
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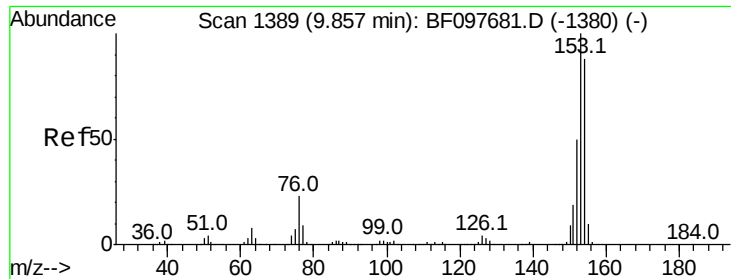
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#44
 2-Fluorobiphenyl
 Concen: 4.714 ng
 RT: 9.04 min Scan# 1182
 Delta R.T. -0.03 min
 Lab File: BF098364.D
 Acq: 8 Sep 2017 21:35

Tgt Ion	172	Resp	Lower	Upper
Ion Ratio	100			
171	36.3	29.6	44.4	
170	23.4	19.8	29.8	





#51

Acenaphthene

Concen: 8.623 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.02 min

Lab File: BF098364.D

Acq: 8 Sep 2017 21:35

Instrument :

BNA_F

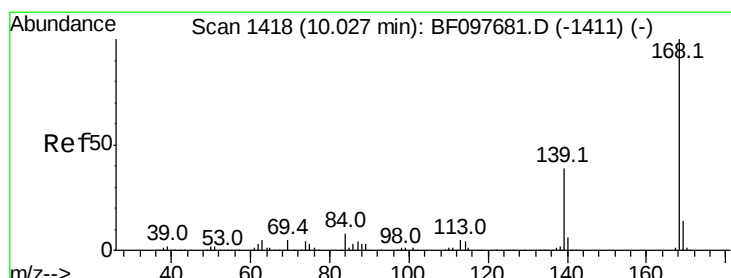
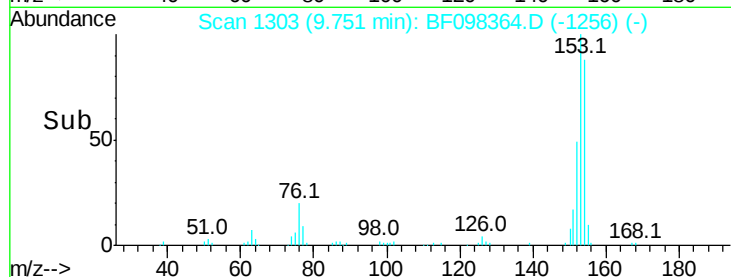
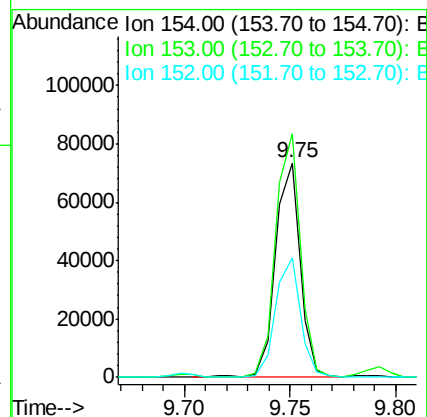
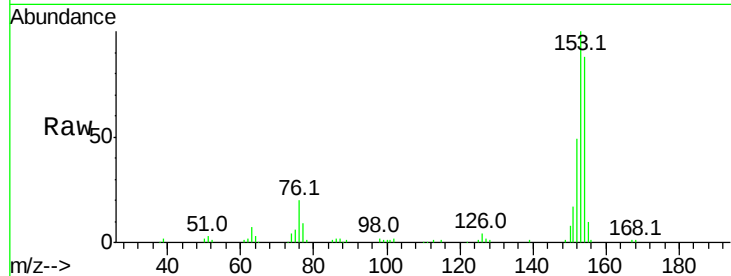
ClientSampled :

RL-1-0-12.25

Tot Ion:	154	Resp:	59718
Ion Ratio	Lower	Upper	
154	100		
153	113.4	90.5	135.7
152	55.7	43.6	65.4

Manual Integrations
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#54

Dibenzofuran

Concen: 8.516 ng

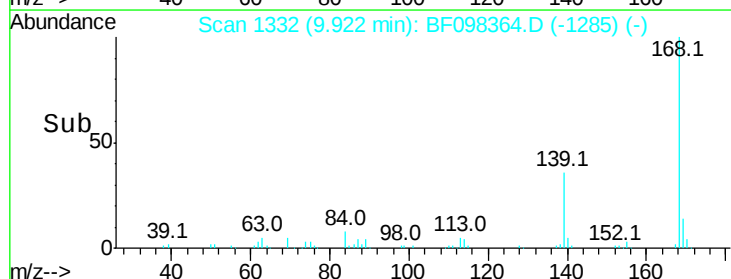
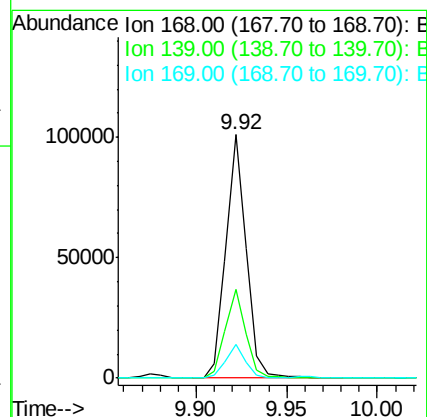
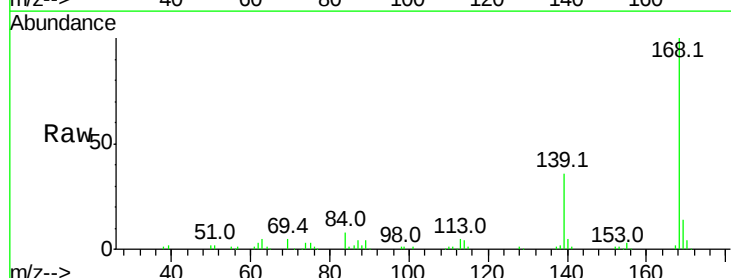
RT: 9.92 min Scan# 1332

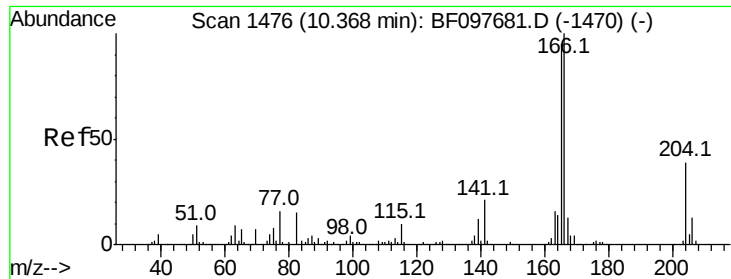
Delta R.T. -0.02 min

Lab File: BF098364.D

Acq: 8 Sep 2017 21:35

Tgt Ion:	168	Resp:	79046
Ion Ratio	Lower	Upper	
168	100		
139	36.4	30.6	45.8
169	13.7	10.8	16.2





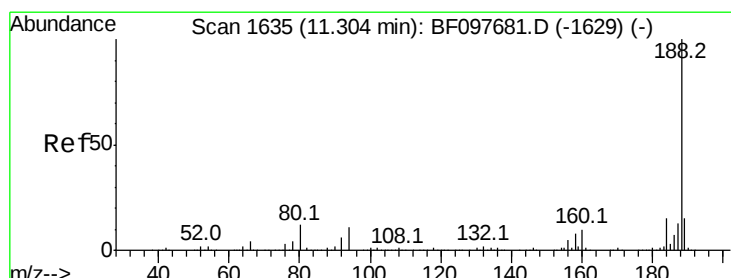
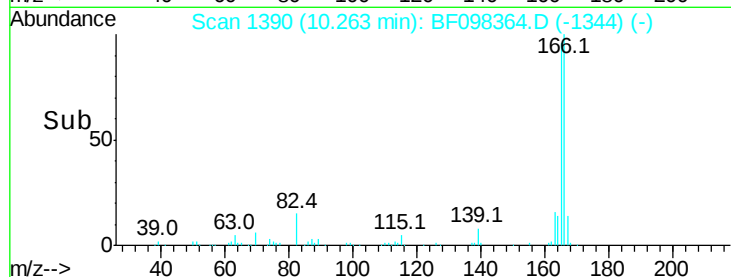
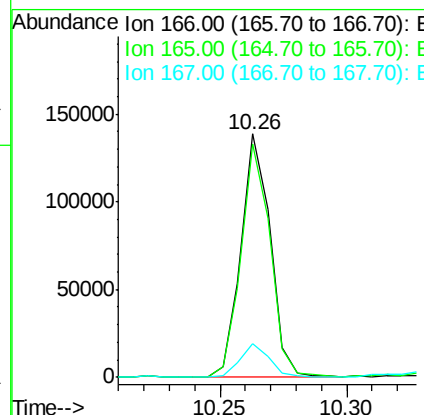
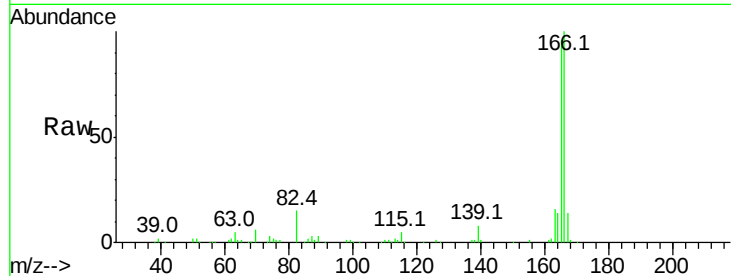
#57
Fluorene
 Concen: 15.580 ng
 RT: 10.26 min Scan# 1390
 Delta R.T. -0.03 min
 Lab File: BF098364.D
 Acq: 8 Sep 2017 21:35

Instrument :
 BNA_F
 ClientSampleId :
 RL-1-0-12.25

Tot Ion	Ratio	Resp	Lower	Upper
166	100			
165	95.9	78.8	118.2	
167	13.8	10.6	16.0	

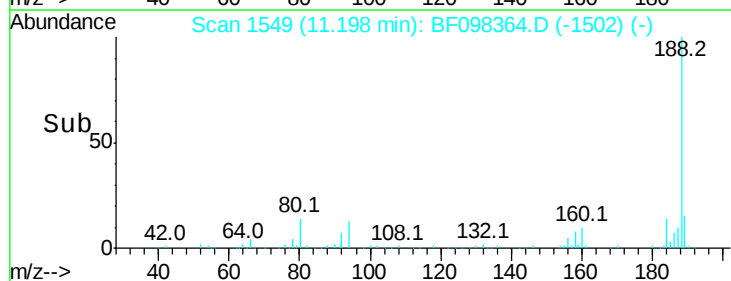
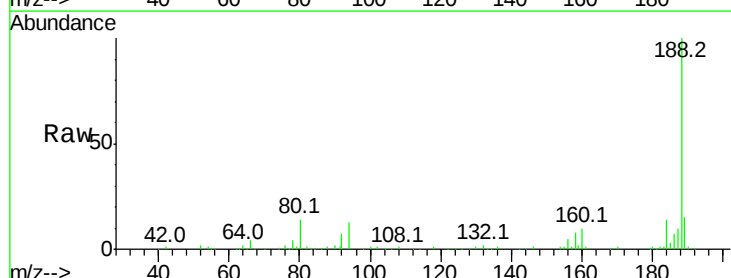
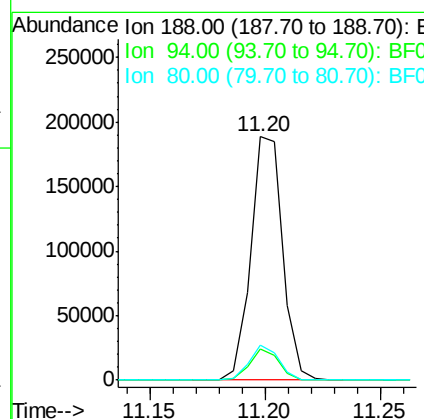
Manual Integrations
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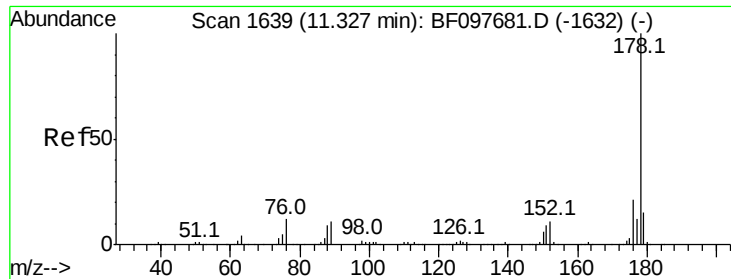
Sohil
 9/11/2017 4:47:50 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.20 min Scan# 1549
 Delta R.T. -0.02 min
 Lab File: BF098364.D
 Acq: 8 Sep 2017 21:35

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	12.7	9.4	14.2	
80	14.2	10.2	15.2	





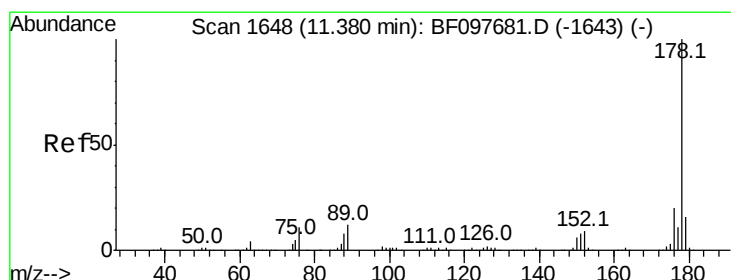
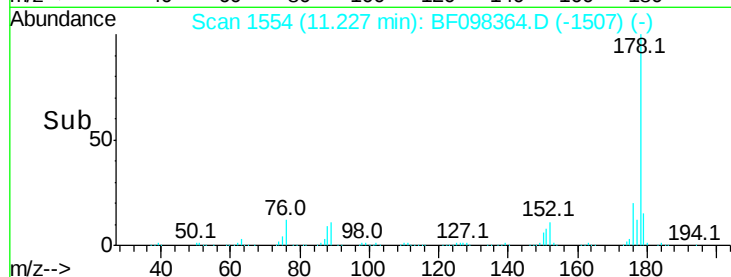
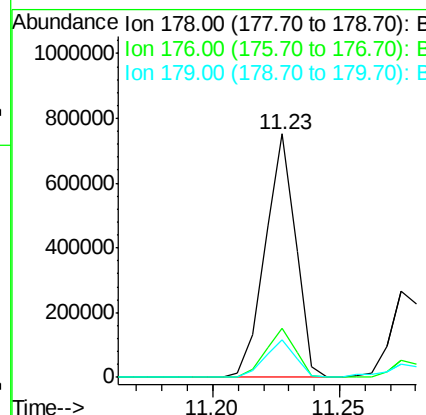
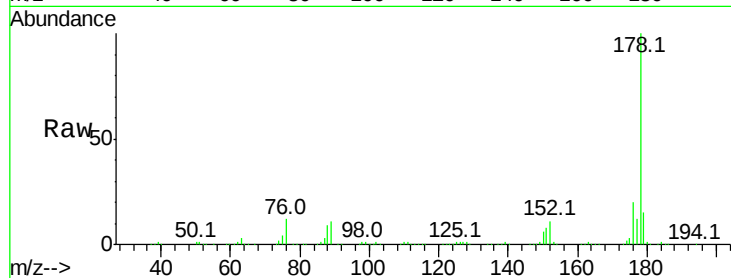
#70
Phenanthrene
Concen: 65.326 ng
RT: 11.23 min Scan# 1554
Delta R.T. -0.02 min
Lab File: BF098364.D
Acq: 8 Sep 2017 21:35

Instrument :
BNA_F
ClientSampled :
RL-1-0-12.25

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.1	16.2	24.4
179	15.4	12.6	19.0

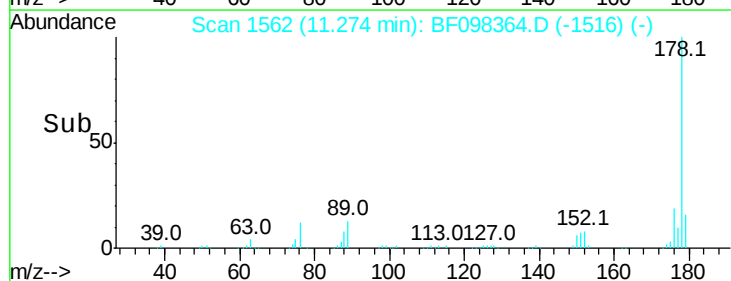
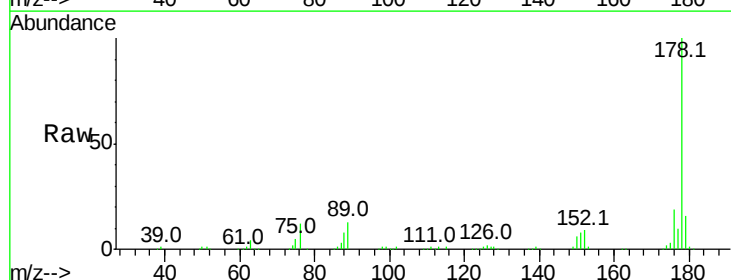
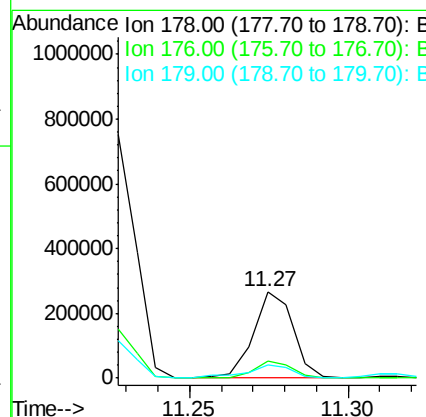
Manual Integrations
APPROVED

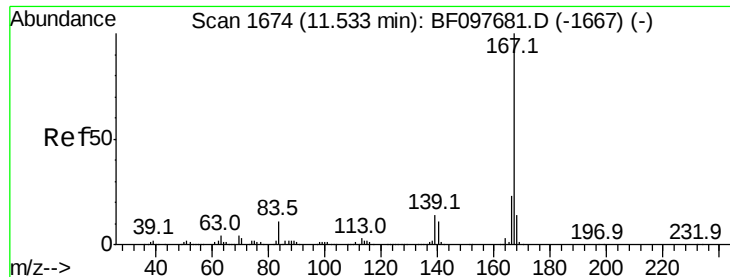
Sohil
9/11/2017 4:47:50 PM



#71
Anthracene
Concen: 23.299 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.03 min
Lab File: BF098364.D
Acq: 8 Sep 2017 21:35

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	15.7	12.7	19.1





#72

Carbazole

Concen: 7.078 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.02 min

Lab File: BF098364.D

Acq: 8 Sep 2017 21:35

Instrument :

BNA_F

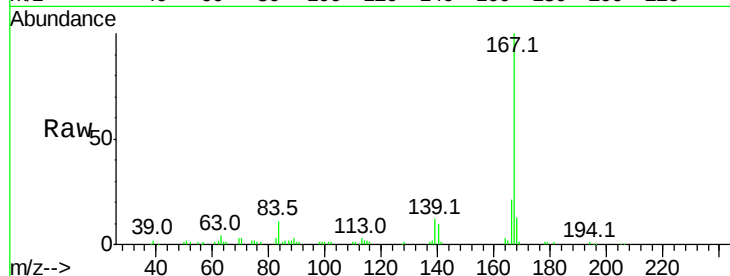
ClientSampled :

RL-1-0-12.25

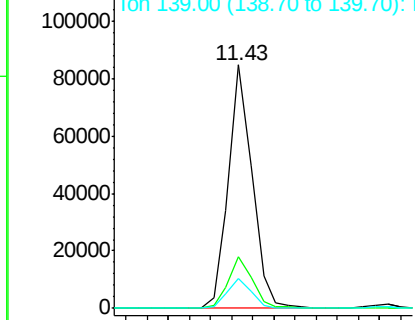
Tot Ion:	167	Resp:	66111
Ion Ratio	Lower	Upper	
167	100		
166	21.1	18.1	27.1
139	12.3	11.7	17.5

Manual Integrations
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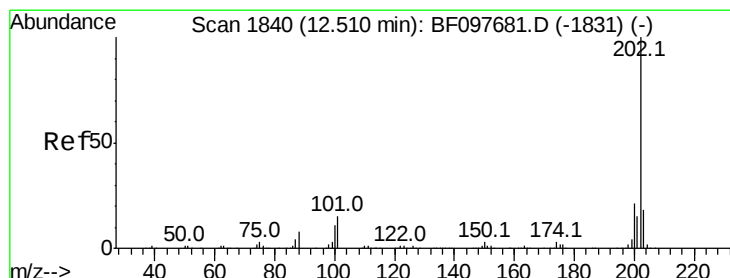
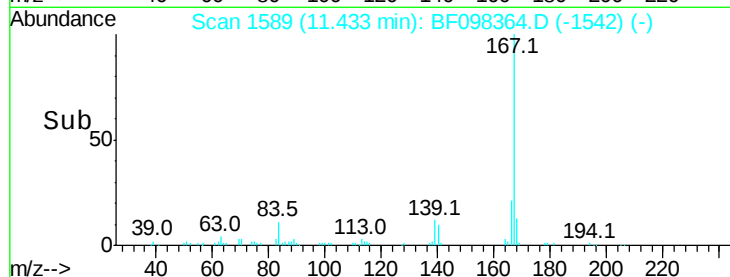
Sohil
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Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



Time-->



#74

Fluoranthene

Concen: 63.726 ng

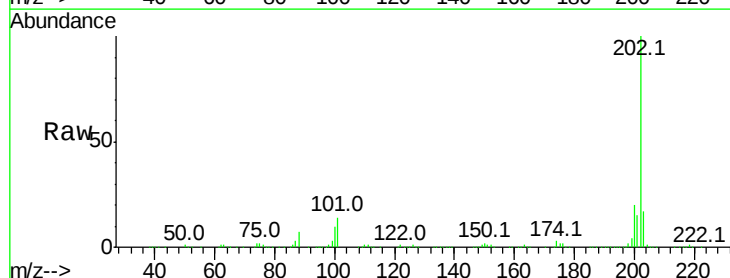
RT: 12.42 min Scan# 1756

Delta R.T. -0.02 min

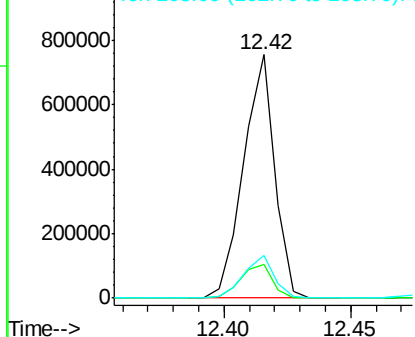
Lab File: BF098364.D

Acq: 8 Sep 2017 21:35

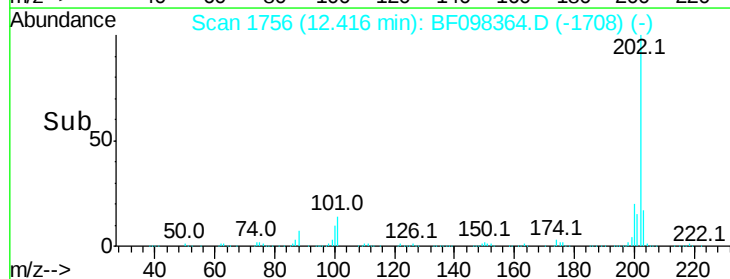
Tgt Ion:	202	Resp:	645281
Ion Ratio	Lower	Upper	
202	100		
101	13.7	0.0	33.2
203	17.5	0.0	38.1

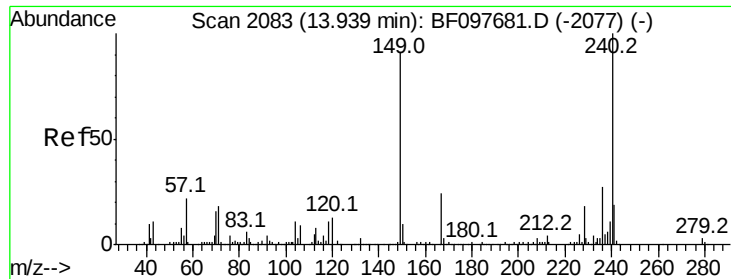


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.84 min Scan# 1998

Delta R.T. -0.02 min

Lab File: BF098364.D

Acq: 8 Sep 2017 21:35

Instrument :

BNA_F

ClientSampled :

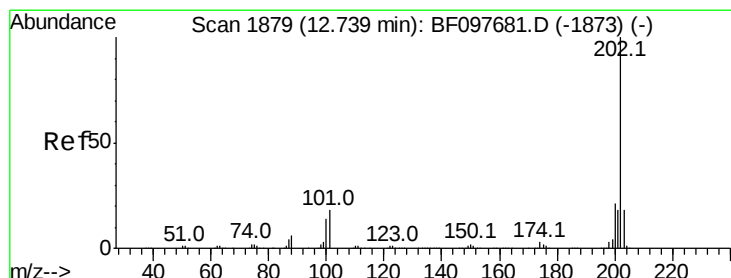
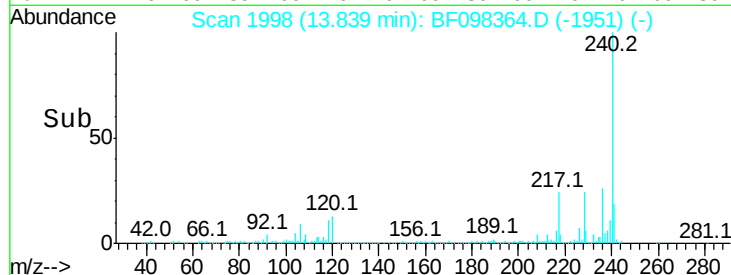
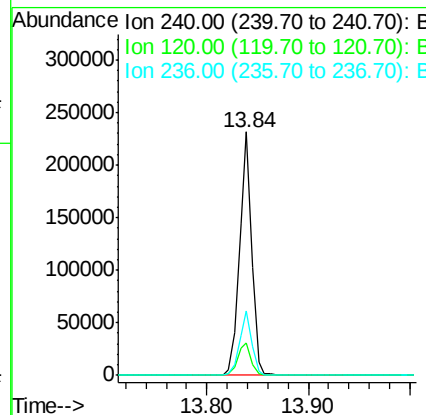
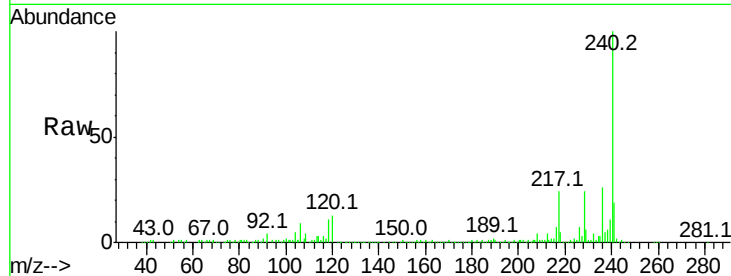
RL-1-0-12.25

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.1	5.8	8.8#
236	26.2	20.5	30.7

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#77

Pyrene

Concen: 33.990 ng

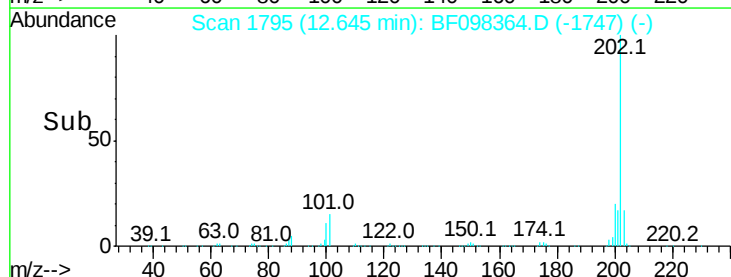
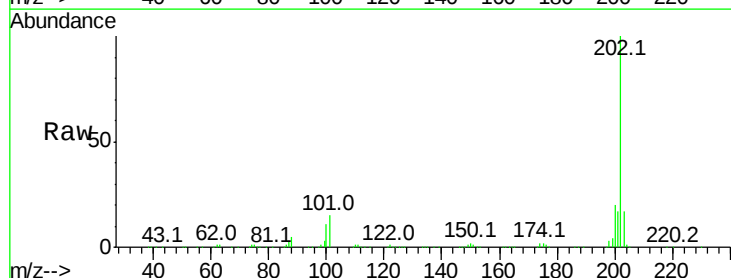
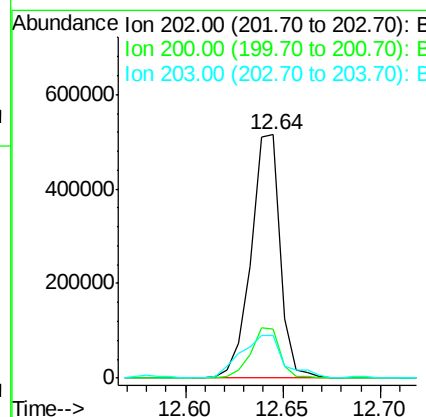
RT: 12.64 min Scan# 1795

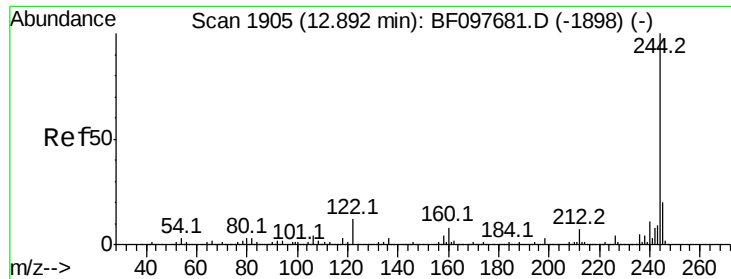
Delta R.T. -0.02 min

Lab File: BF098364.D

Acq: 8 Sep 2017 21:35

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.2	17.6	26.4
203	17.3	14.4	21.6





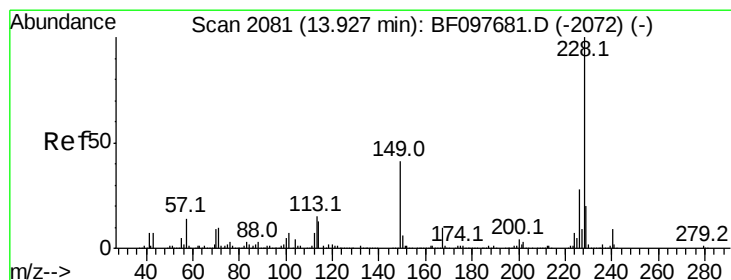
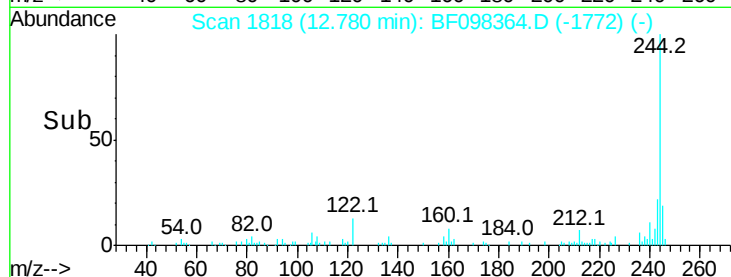
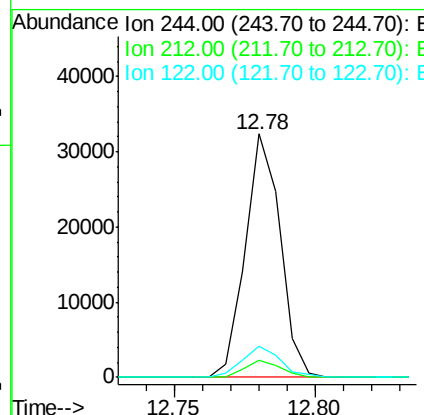
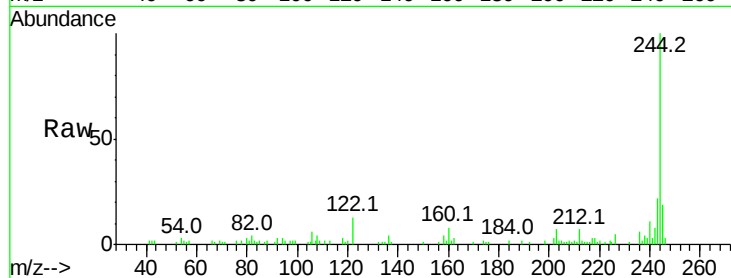
#78
 Terphenyl-d14
 Concen: 3.000 ng
 RT: 12.78 min Scan# 1818
 Delta R.T. -0.03 min
 Lab File: BF098364.D
 Acq: 8 Sep 2017 21:35

Instrument :
 BNA_F
 ClientSampleId :
 RL-1-0-12.25

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.0	9.0
122	12.9	10.3	15.5

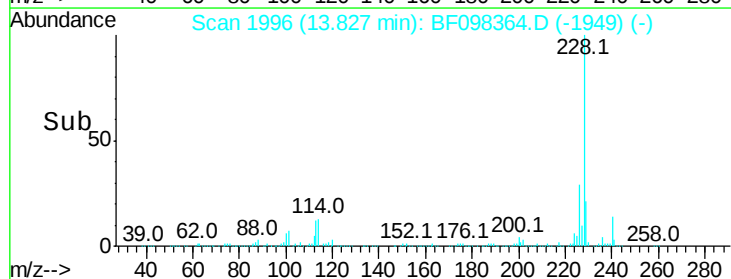
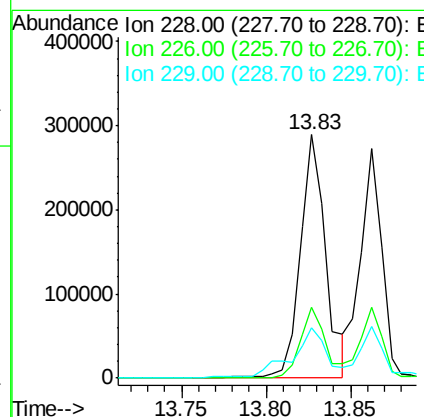
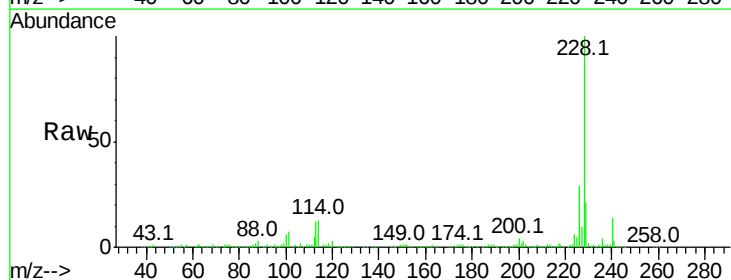
Manual Integrations
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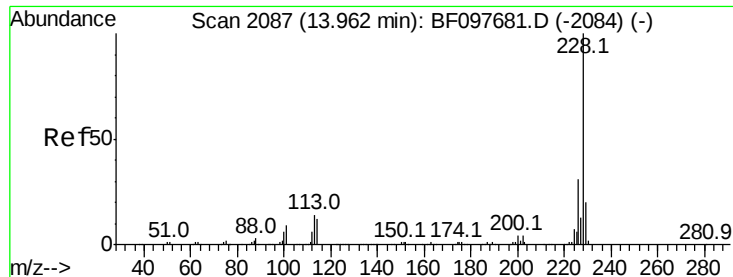
Sohil
 9/11/2017 4:47:50 PM



#80
 Benzo(a)anthracene
 Concen: 26.083 ng
 RT: 13.83 min Scan# 1996
 Delta R.T. -0.02 min
 Lab File: BF098364.D
 Acq: 8 Sep 2017 21:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.6	33.8
229	20.8	16.3	24.5





#82

Chrysene

Concen: 20.876 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.02 min

Lab File: BF098364.D

Acq: 8 Sep 2017 21:35

Instrument :

BNA_F

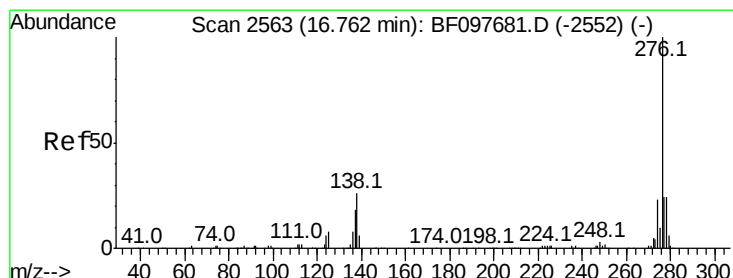
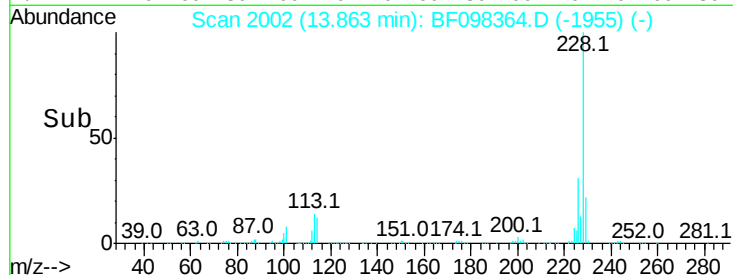
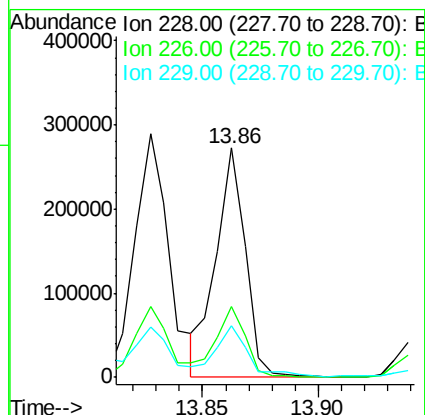
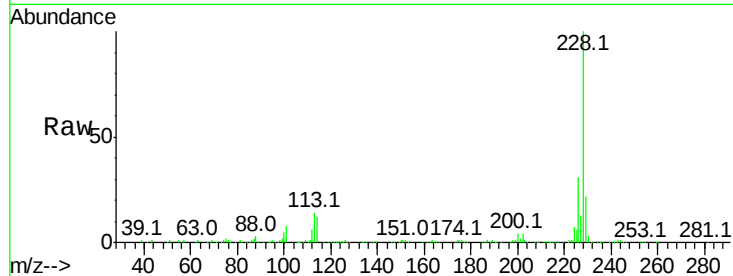
ClientSampleId :

RL-1-0-12.25

Tot Ion:	228	Resp:	239940
Ion Ratio	Lower	Upper	
228	100		
226	31.1	24.9	37.3
229	22.3	15.8	23.6

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#85

Indeno(1,2,3-cd)pyrene

Concen: 7.171 ng

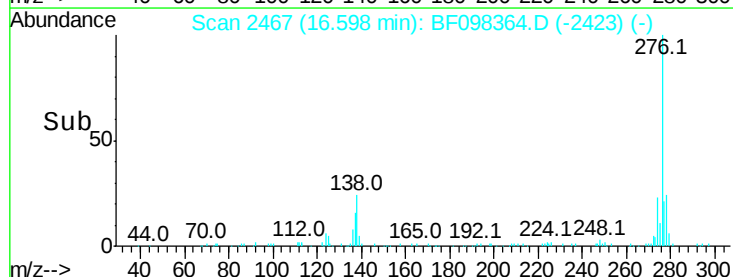
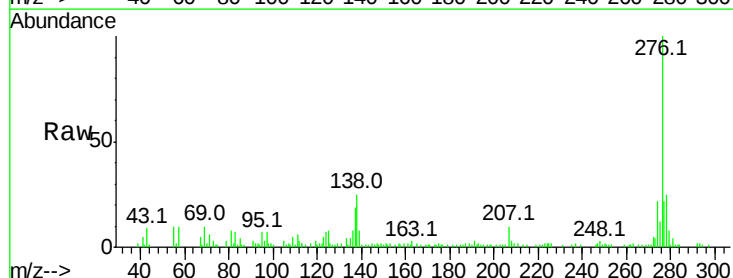
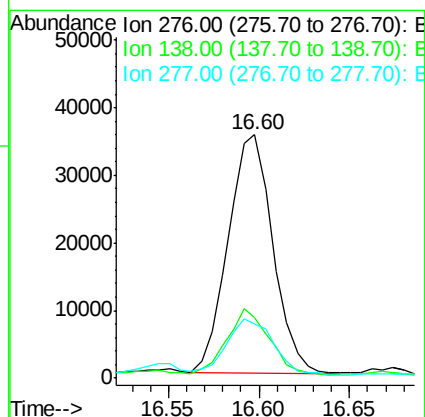
RT: 16.60 min Scan# 2467

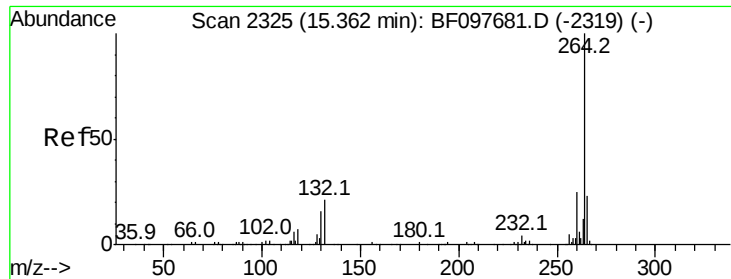
Delta R.T. -0.04 min

Lab File: BF098364.D

Acq: 8 Sep 2017 21:35

Tgt Ion:	276	Resp:	60637
Ion Ratio	Lower	Upper	
276	100		
138	26.4	27.8	41.6#
277	24.8	20.2	30.4





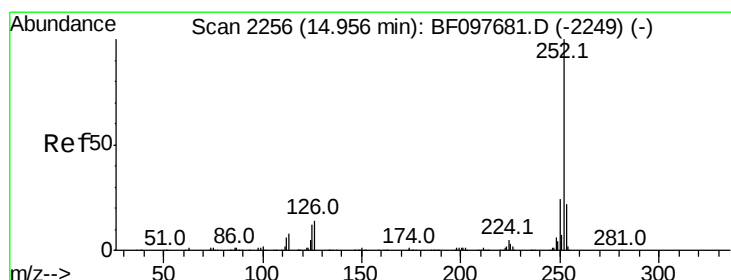
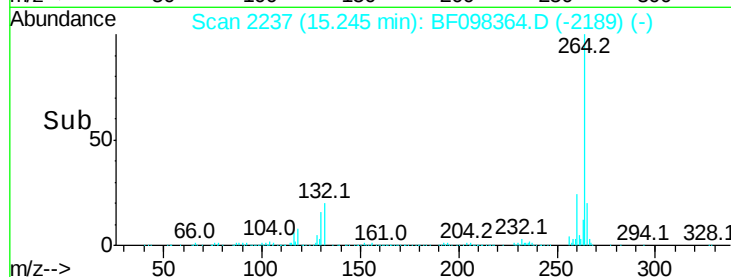
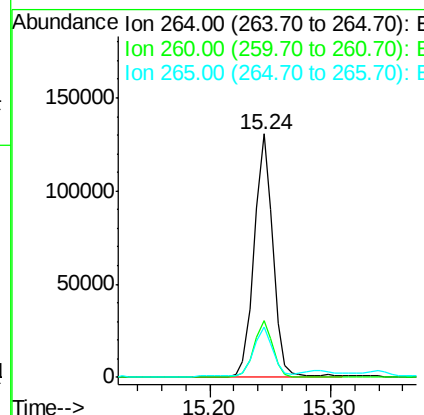
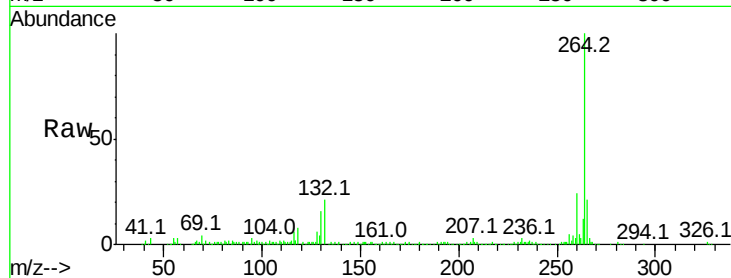
#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.24 min Scan# 2237
 Delta R.T. -0.02 min
 Lab File: BF098364.D
 Acq: 8 Sep 2017 21:35

Instrument :
 BNA_F
 ClientSampleId :
 RL-1-0-12.25

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.5	29.3
265	20.8	17.2	25.8

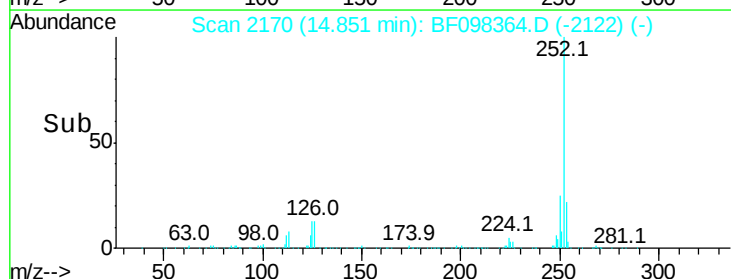
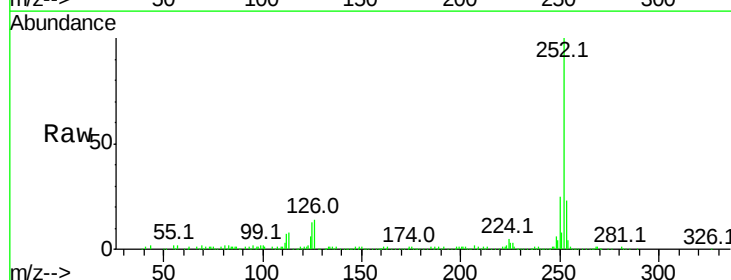
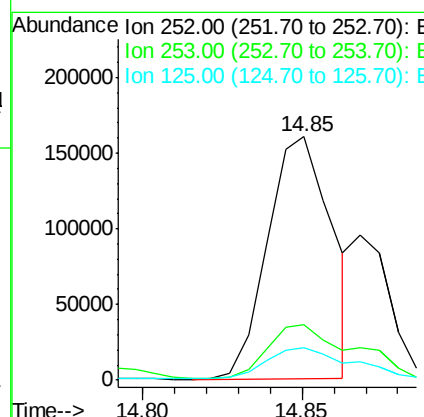
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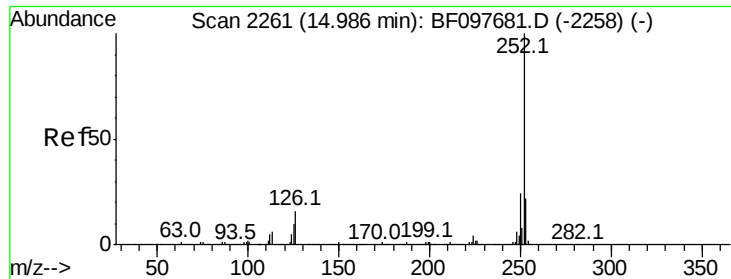
Sohil
 9/11/2017 4:47:50 PM



#87
 Benzo(b)fluoranthene
 Concen: 24.919 ng m
 RT: 14.85 min Scan# 2170
 Delta R.T. -0.02 min
 Lab File: BF098364.D
 Acq: 8 Sep 2017 21:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.1	27.1
125	13.3	9.8	14.8





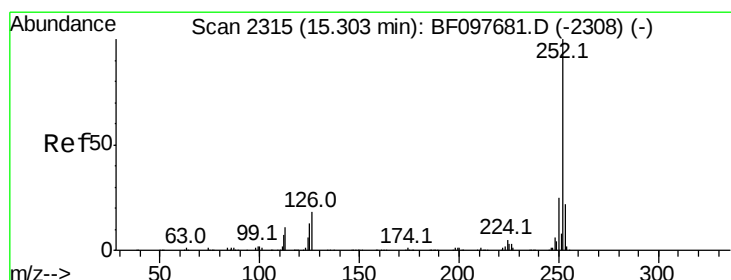
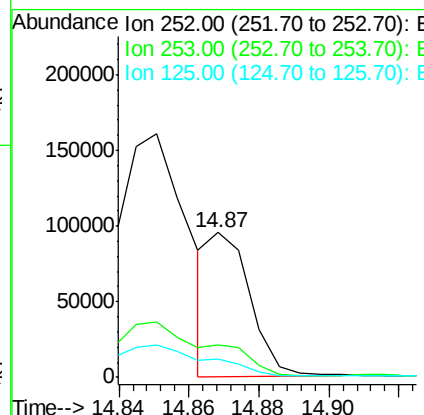
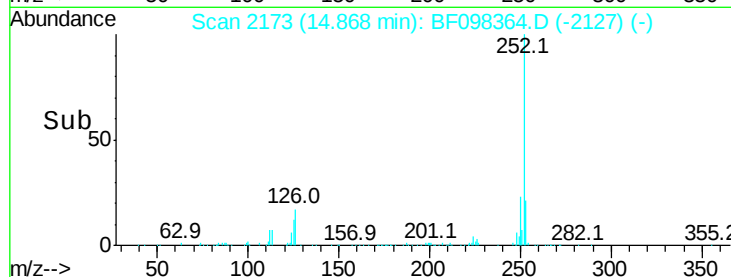
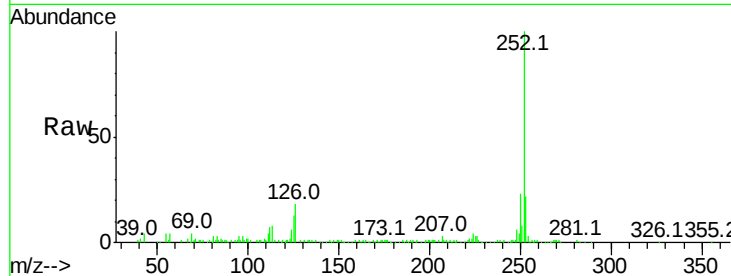
#88
Benzo(k)fluoranthene
Concen: 9.119 ng/mL
RT: 14.87 min Scan# 2173
Delta R.T. -0.03 min
Lab File: BF098364.D
Acq: 8 Sep 2017 21:35

Instrument :
BNA_F
ClientSampleId :
RL-1-0-12.25

Tot Ion:	252	Resp:	77151
Ion Ratio	Lower	Upper	
252	100		
253	22.5	18.4	27.6
125	13.1	13.1	19.7

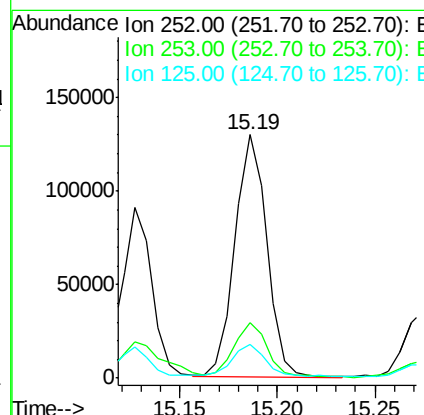
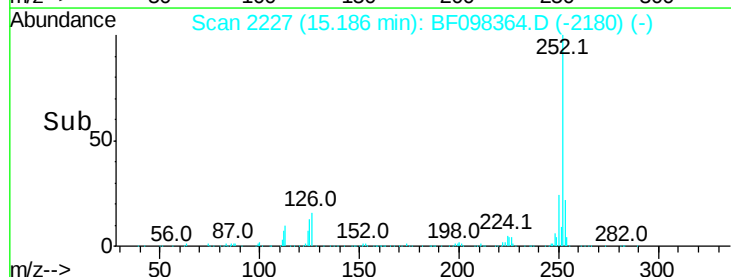
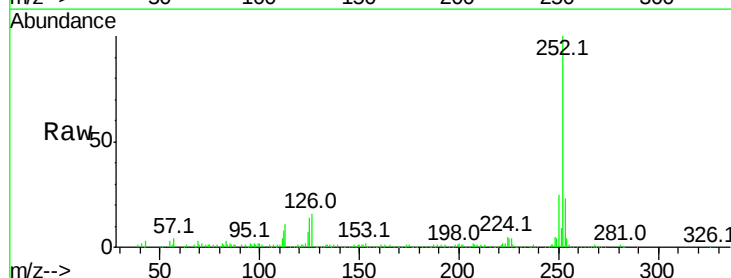
Manual Integrations
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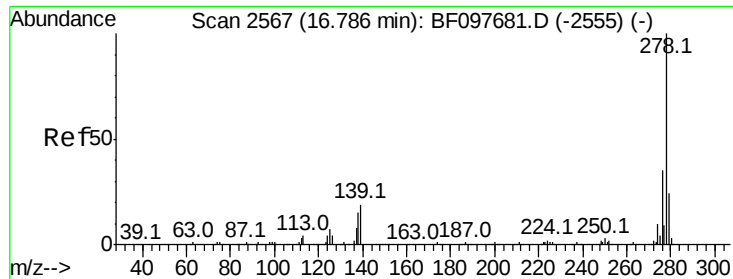
Sohil
9/11/2017 4:47:50 PM



#89
Benzo(a)pyrene
Concen: 18.466 ng/mL
RT: 15.19 min Scan# 2227
Delta R.T. -0.02 min
Lab File: BF098364.D
Acq: 8 Sep 2017 21:35

Tgt Ion:	252	Resp:	147204
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.5	26.3
125	13.8	11.0	16.4





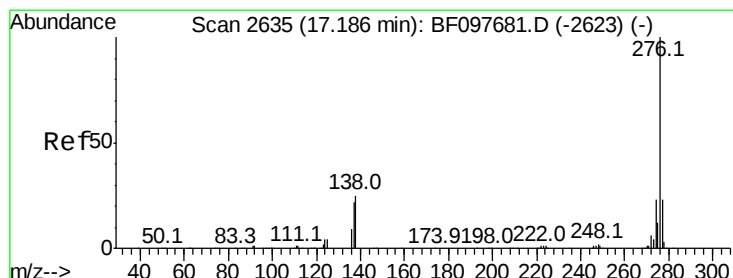
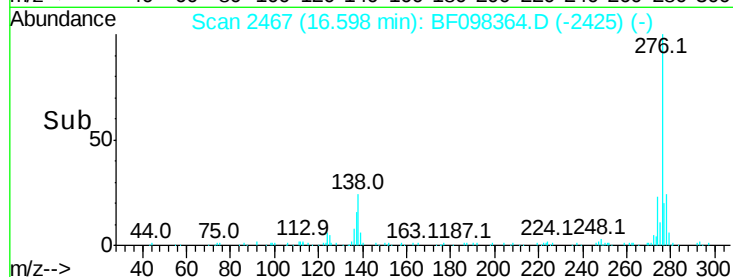
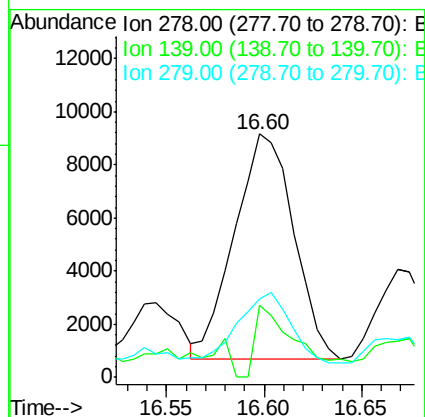
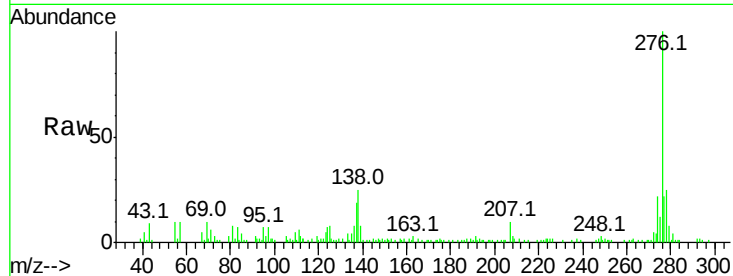
#90
Dibenzo(a,h)anthracene
Concen: 2.743 ng
RT: 16.60 min Scan# 2467
Delta R.T. -0.05 min
Lab File: BF098364.D
Acq: 8 Sep 2017 21:35

Instrument :
BNA_F
ClientSampleId :
RL-1-0-12.25

Tot Ion	Ratio	Lower	Upper
278	100		
139	29.6	16.6	24.8#
279	32.3	19.3	28.9#

Manual Integrations
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9/11/2017 4:47:50 PM



#91
Benzo(g,h,i)perylene
Concen: 8.512 ng
RT: 17.00 min Scan# 2536
Delta R.T. -0.05 min
Lab File: BF098364.D
Acq: 8 Sep 2017 21:35

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.6	28.0
138	31.1	25.4	38.0

