

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062618\
 Data File : BF106822.D
 Acq On : 26 Jun 2018 15:01
 Operator : JU/SJ
 Sample : J3676-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-1-4

Manual Integrations
 APPROVED

Sohil
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Quant Time: Jun 27 09:09:18 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 25 18:50:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	48095	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	181922	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	84466	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	143268	20.00	ng	0.00
75) Chrysene-d12	14.16	240	129046	20.00	ng	0.00
86) Perylene-d12	15.72	264	100068	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	292255	102.90	ng	0.00
7) Phenol-d6	6.61	99	365610	103.08	ng	0.00
23) Nitrobenzene-d5	7.52	82	228816	69.90	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	102467	104.67	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	345429	65.91	ng	0.00
78) Terphenyl-d14	13.08	244	323805	60.78	ng	0.00
Target Compounds						
31) Naphthalene	8.27	128	54325	6.387	ng	98
37) 2-Methylnaphthalene	8.95	142	17620	3.125	ng	92
49) Dimethylphthalate	9.71	163	89343	14.103	ng	99
51) Acenaphthene	10.04	154	21064	3.999	ng	97
54) Dibenzofuran	10.21	168	36185	5.016	ng	94
57) Fluorene	10.55	166	46634	8.147	ng	99
70) Phenanthrene	11.52	178	316323	45.777	ng	99
71) Anthracene	11.57	178	88567	12.557	ng	99
72) Carbazole	11.73	167	23358	3.537	ng	98
74) Fluoranthene	12.72	202	356897	46.859	ng	95
77) Pyrene	12.95	202	308566	36.261	ng	100
80) Benzo(a)anthracene	14.15	228	169336	21.530	ng	99
82) Chrysene	14.19	228	145346	20.087	ng	98
83) Bis(2-ethylhexyl)phthalate	14.11	149	10742	2.401	ng	# 90
85) Indeno(1,2,3-cd)pyrene	17.30	276	51565	8.398	ng	# 88
87) Benzo(b)fluoranthene	15.26	252	160483m	25.817	ng	
88) Benzo(k)fluoranthene	15.29	252	40718m	6.878	ng	
89) Benzo(a)pyrene	15.59	252	67971	12.300	ng	98
90) Dibenzo(a,h)anthracene	17.31	278	13780	2.942	ng	# 81
91) Benzo(a,h,i)perylene	17.79	276	49506	10.815	ng	# 88

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

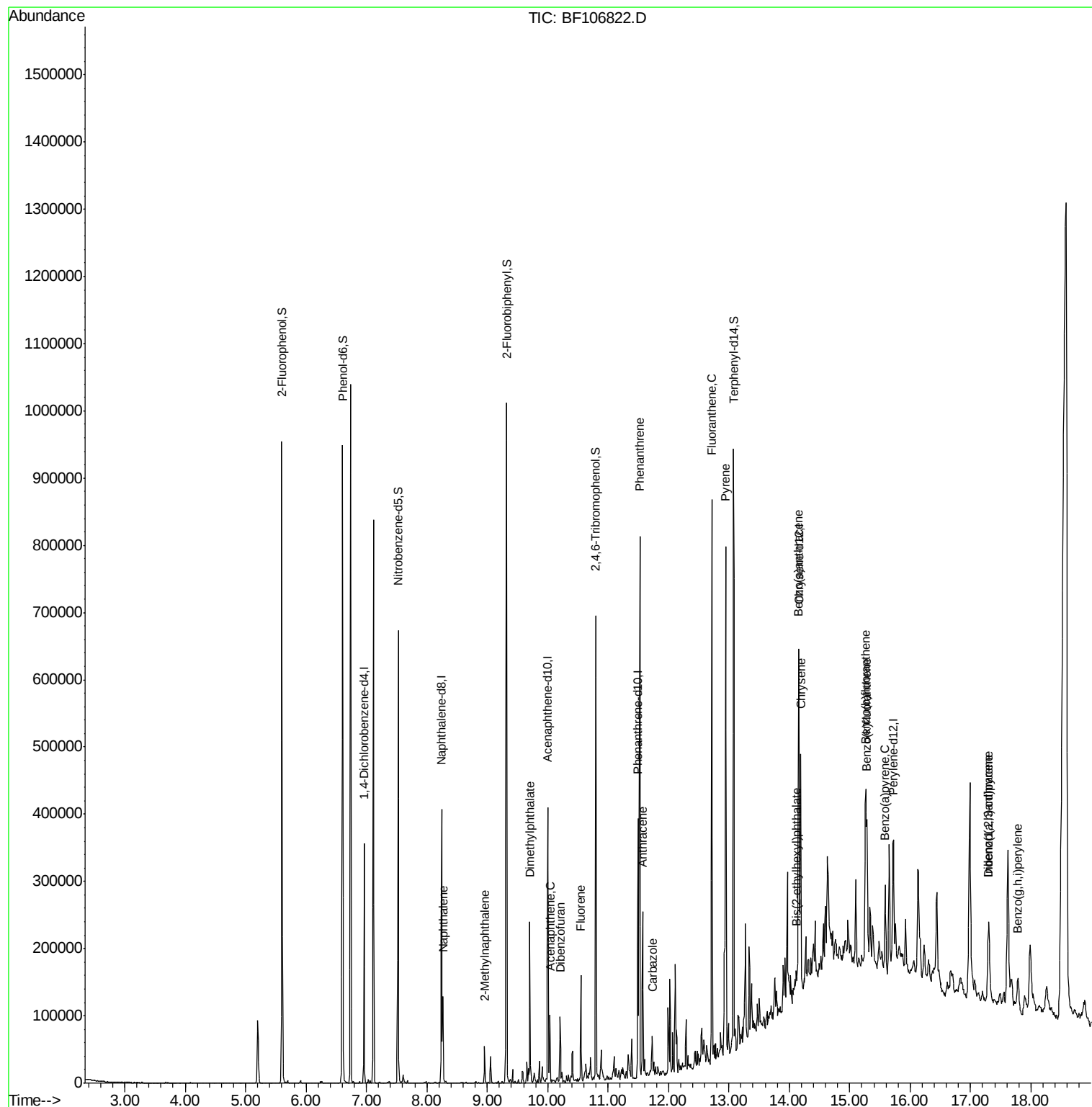
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062618\
Data File : BF106822.D
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Sample : J3676-01
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ALS Vial : 10 Sample Multiplier: 1

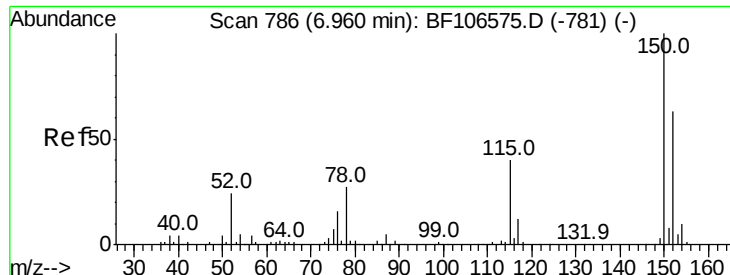
Instrument :
BNA_F
ClientSampleId :
RO-1-4

Manual Integrations
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

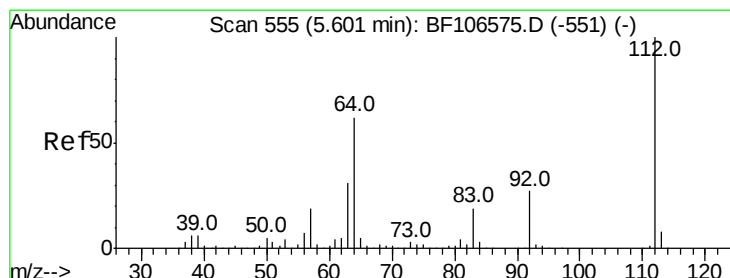
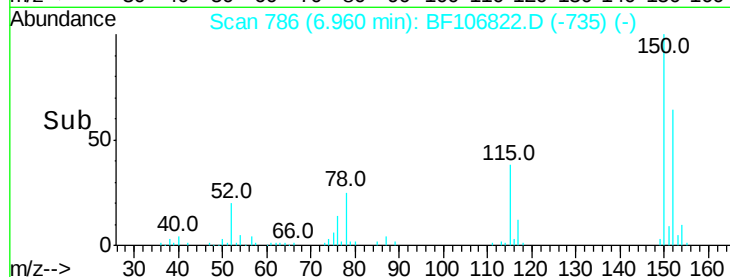
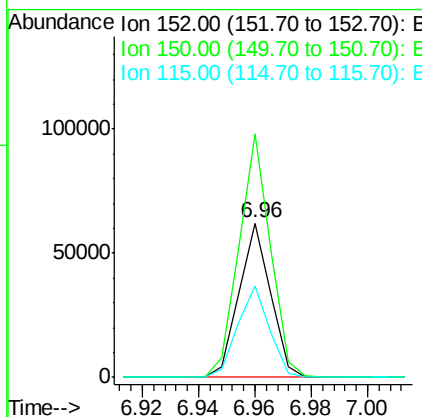
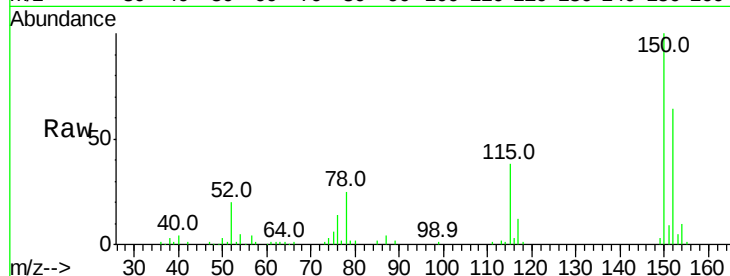
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF106822.D
Acq: 26 Jun 2018 15:01

Instrument :
BNA_F
ClientSampled :
RO-1-4

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.5	124.6	186.8
115	59.2	50.1	75.1

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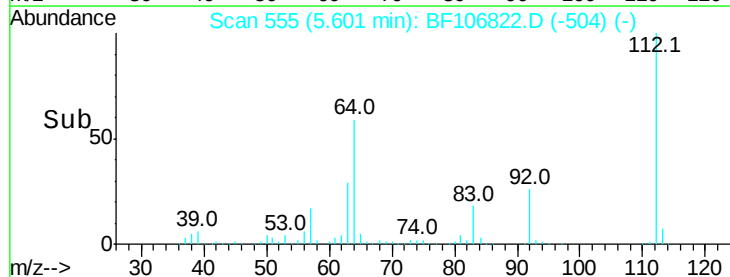
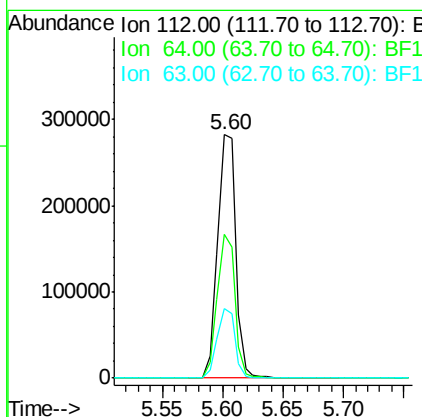
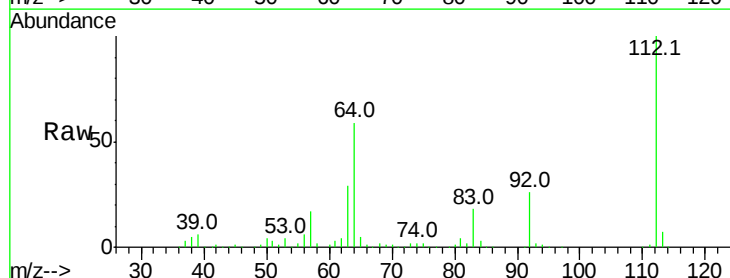
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#5

2-Fluorophenol
Concen: 102.896 ng
RT: 5.60 min Scan# 555
Delta R.T. 0.00 min
Lab File: BF106822.D
Acq: 26 Jun 2018 15:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.0	47.9	71.9
63	28.8	23.7	35.5





#7

Phenol-d6

Concen: 103.077 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF106822.D

Acq: 26 Jun 2018 15:01

Instrument :

BNA_F

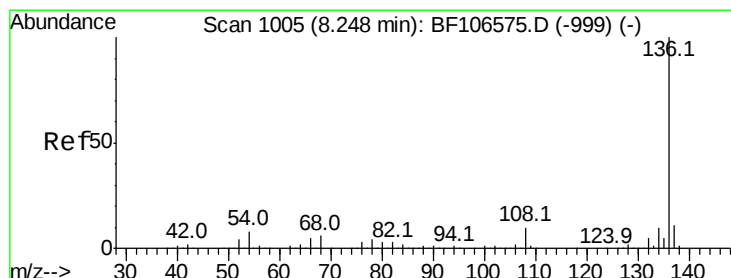
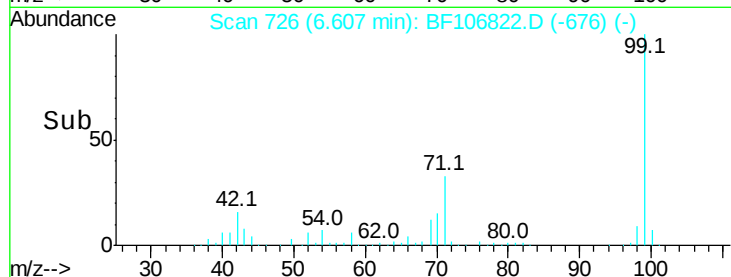
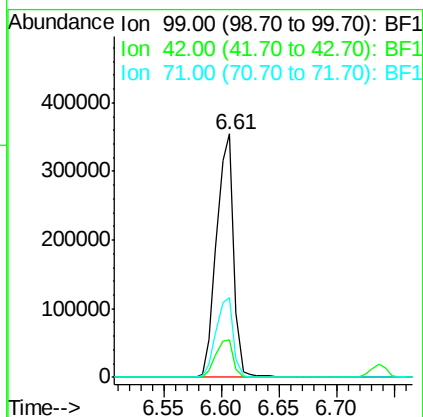
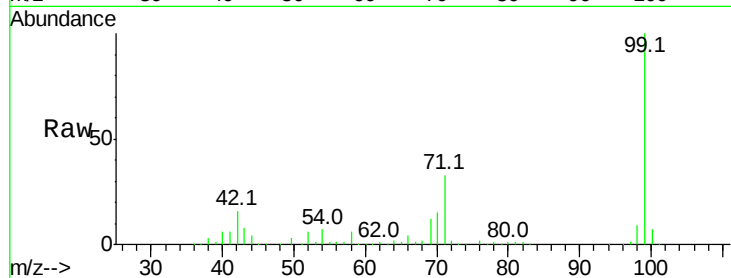
ClientSampleId :

RO-1-4

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		365610		
42	15.5	14.5	21.7		
71	32.9	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

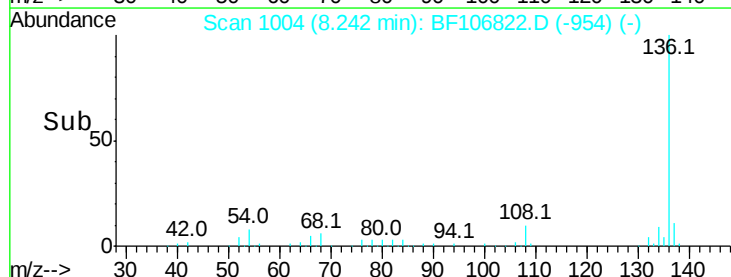
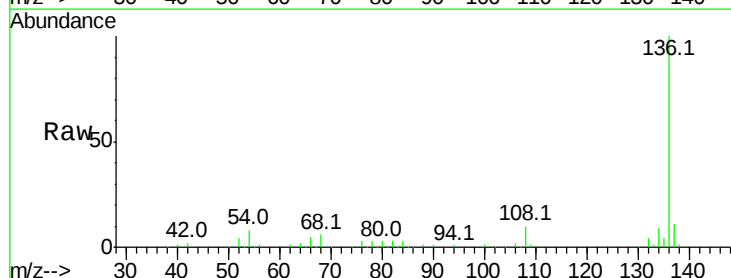
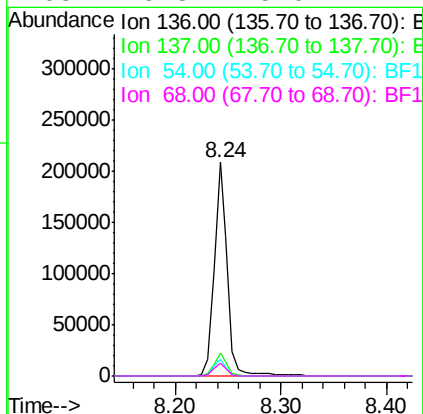
RT: 8.24 min Scan# 1004

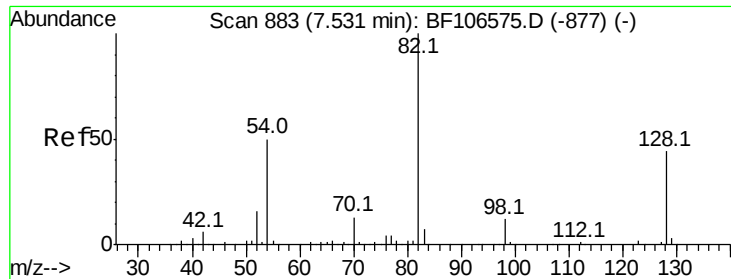
Delta R.T. -0.01 min

Lab File: BF106822.D

Acq: 26 Jun 2018 15:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		181922		
137	11.0	8.9	13.3		
54	7.9	6.6	9.8		
68	5.8	5.0	7.4		





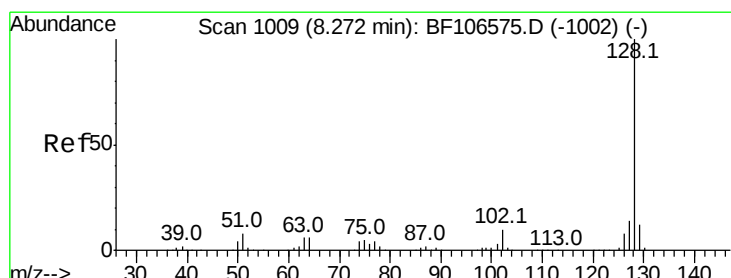
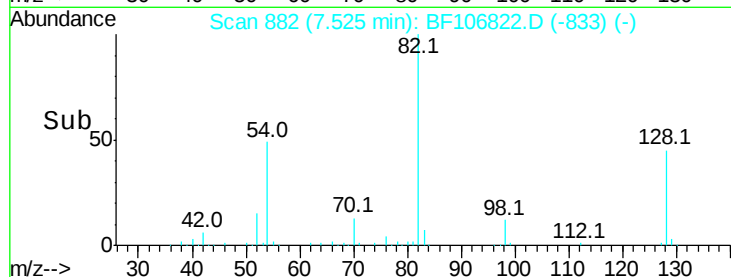
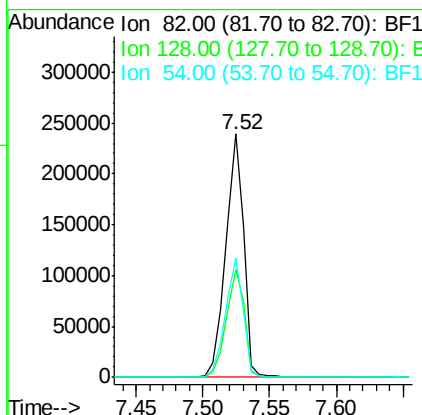
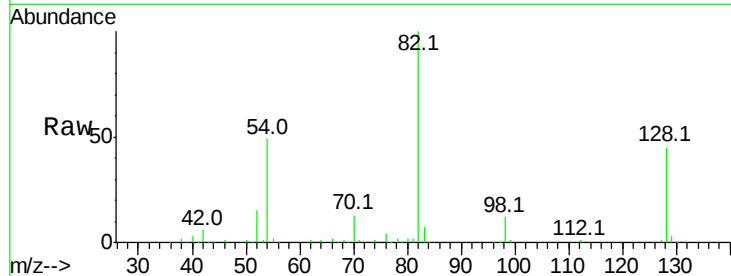
#23
Nitrobenzene-d5
Concen: 69.899 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF106822.D
Acq: 26 Jun 2018 15:01

Instrument :
BNA_F
ClientSampleId :
RO-1-4

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.5	36.1	54.1
54	49.2	41.4	62.2

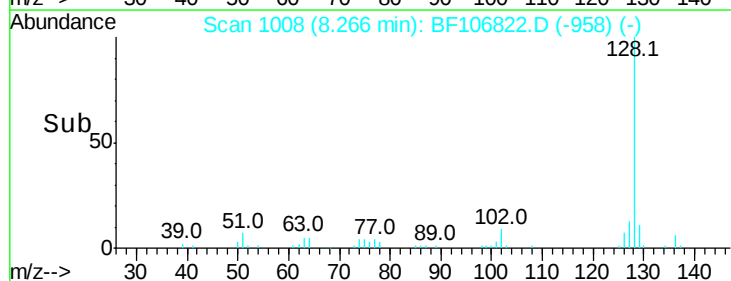
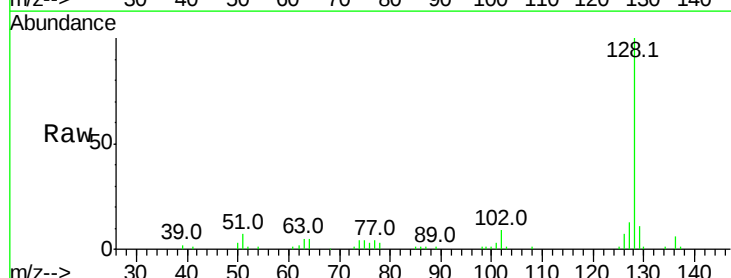
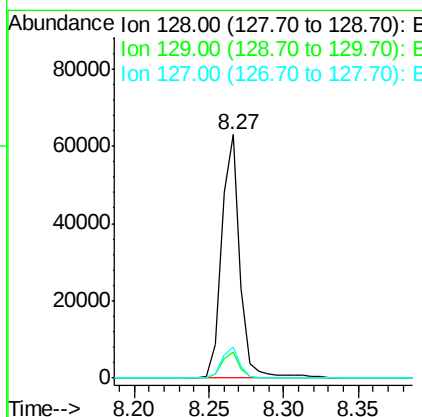
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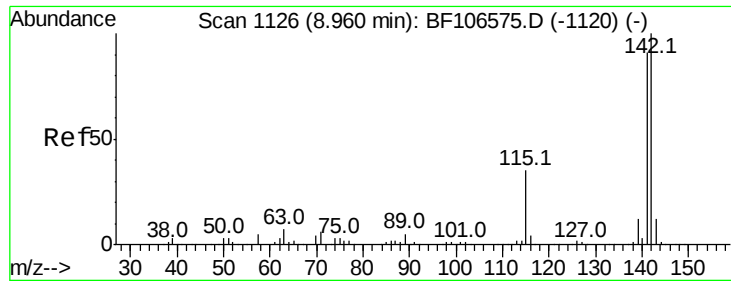
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#31
Naphthalene
Concen: 6.387 ng
RT: 8.27 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BF106822.D
Acq: 26 Jun 2018 15:01

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.8	13.2
127	12.8	10.9	16.3





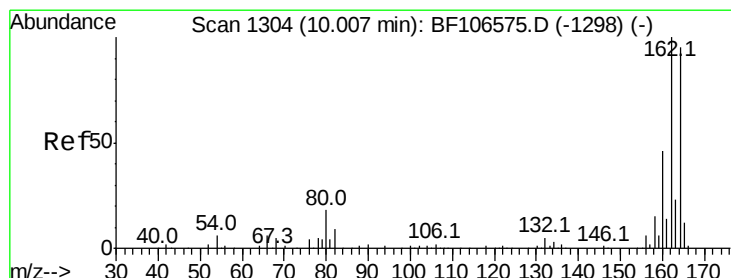
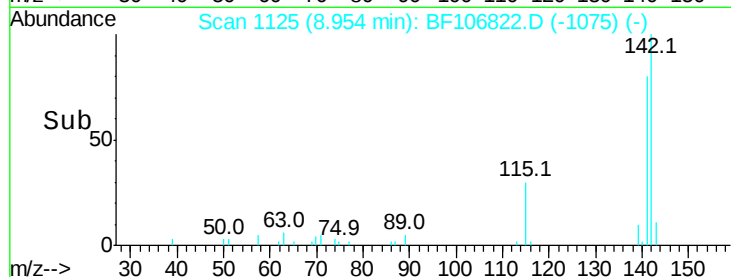
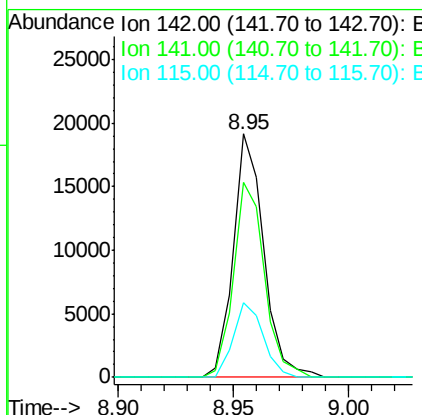
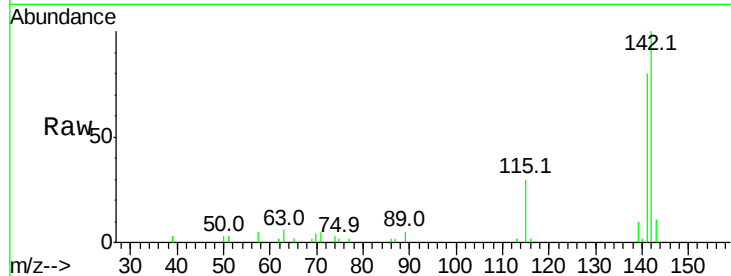
#37
2-Methylnaphthalene
Concen: 3.125 ng
RT: 8.95 min Scan# 1125
Delta R.T. -0.01 min
Lab File: BF106822.D
Acq: 26 Jun 2018 15:01

Instrument :
BNA_F
ClientSampled :
RO-1-4

Tot Ion	Ratio	Lower	Upper
142	100		
141	79.9	70.8	106.2
115	30.4	26.1	39.1

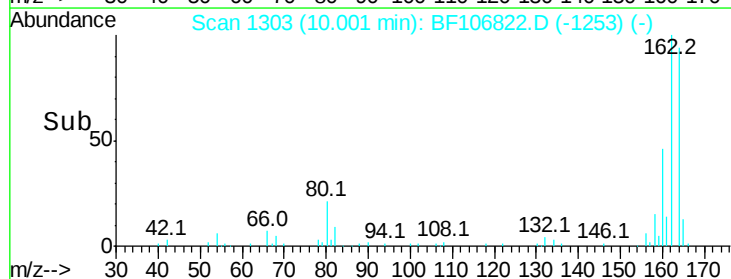
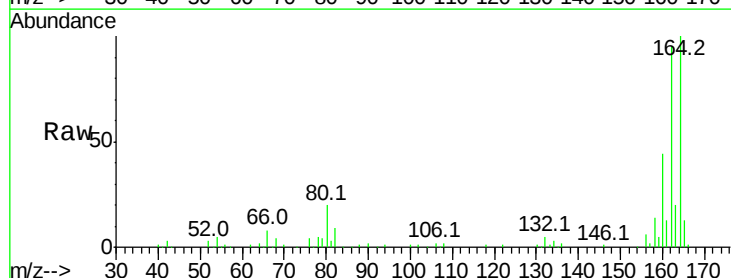
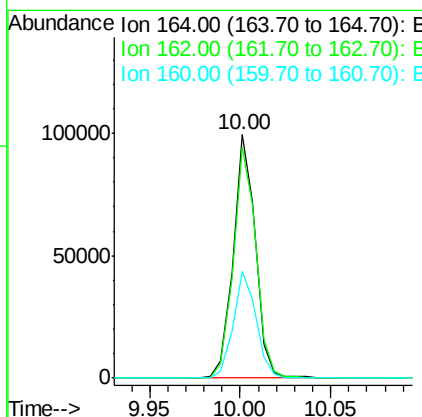
Manual Integrations
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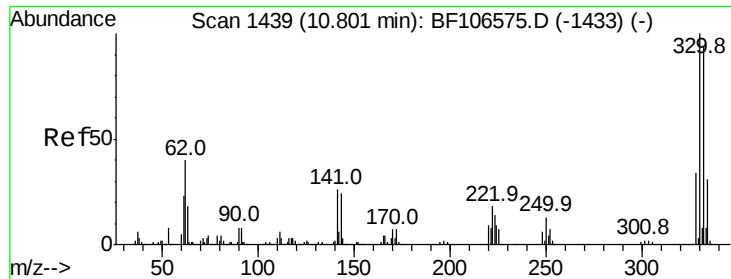
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF106822.D
Acq: 26 Jun 2018 15:01

Tgt Ion	Ratio	Lower	Upper
164	100		
162	94.9	86.1	129.1
160	43.6	38.3	57.5





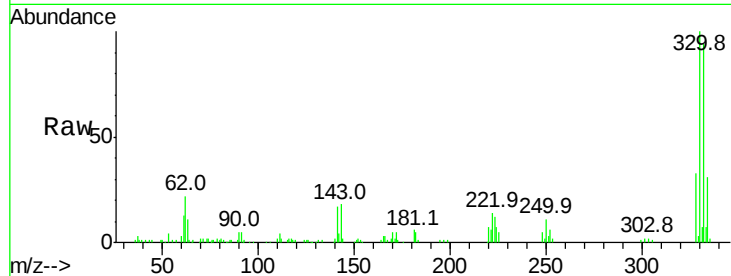
#41
 2,4,6-Tribromophenol
 Concen: 104.667 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: BF106822.D
 Acq: 26 Jun 2018 15:01

Instrument :
 BNA_F
 ClientSampled :
 RO-1-4

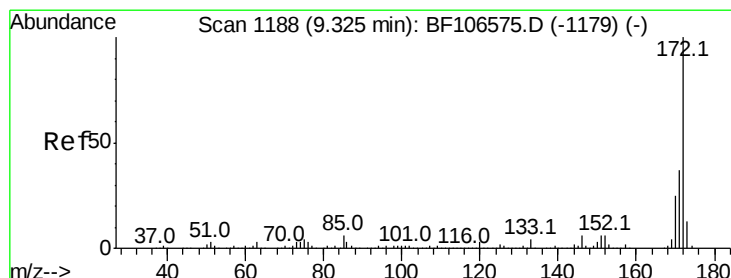
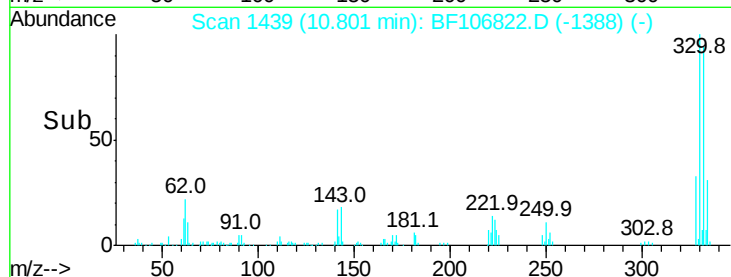
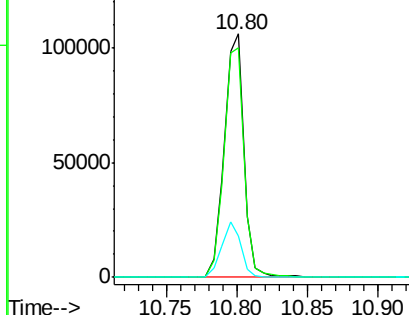
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.0	115.6
141	22.7	29.9	44.9#

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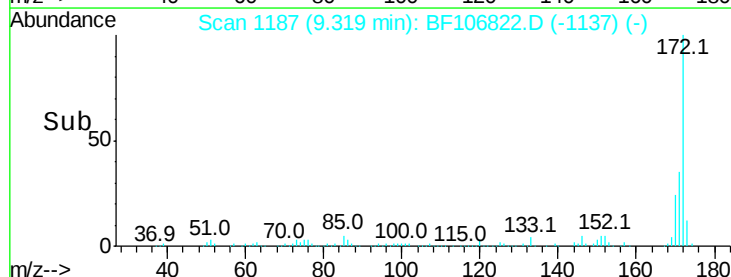
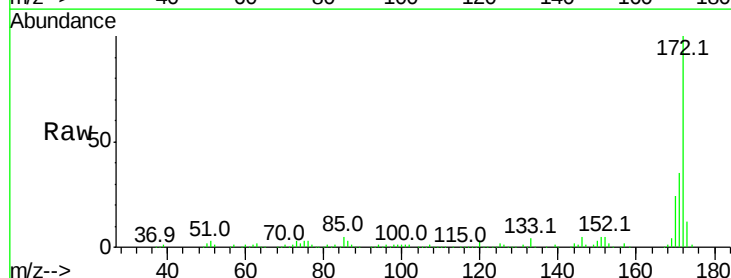
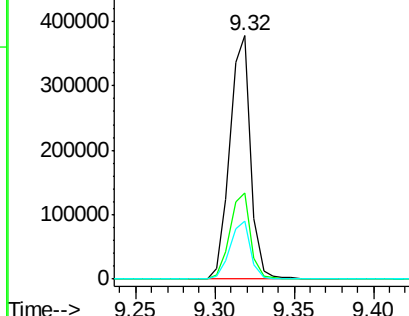
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

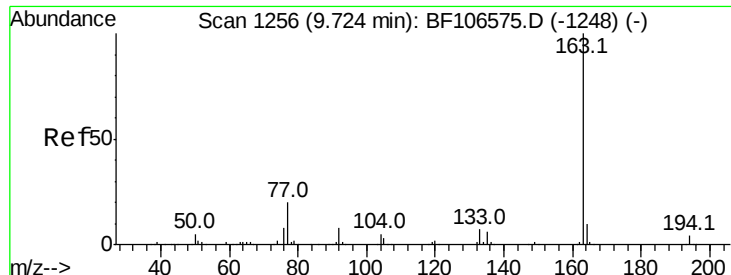


#44
 2-Fluorobiphenyl
 Concen: 65.908 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF106822.D
 Acq: 26 Jun 2018 15:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.7	44.5
170	23.6	19.6	29.4

Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





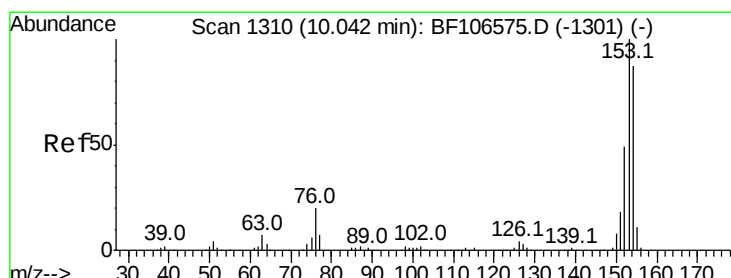
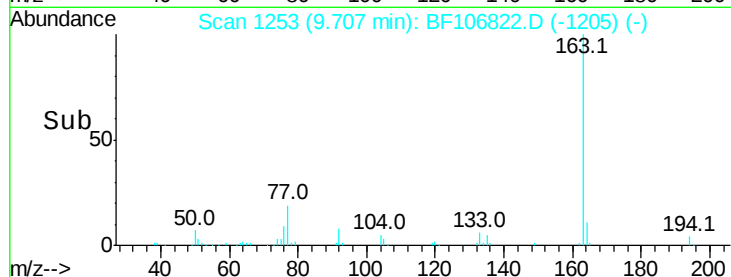
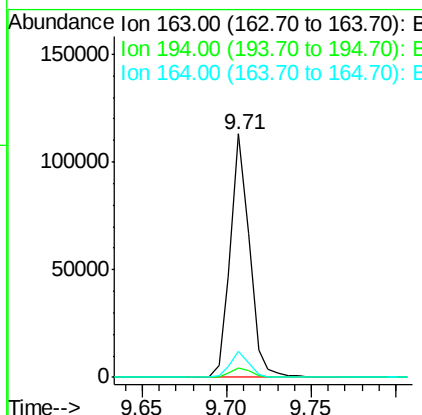
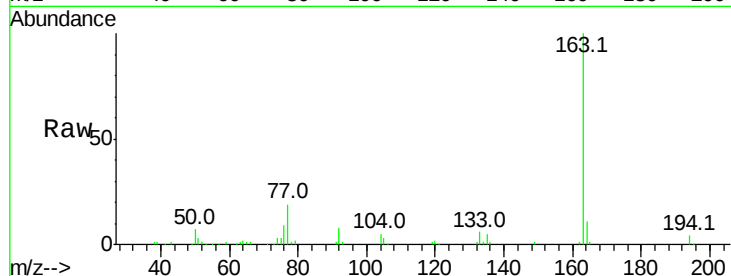
#49
Dimethylphthalate
Concen: 14.103 ng
RT: 9.71 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF106822.D
Acq: 26 Jun 2018 15:01

Instrument :
BNA_F
ClientSampled :
RO-1-4

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.8	2.7	4.1	
164	10.6	8.2	12.2	

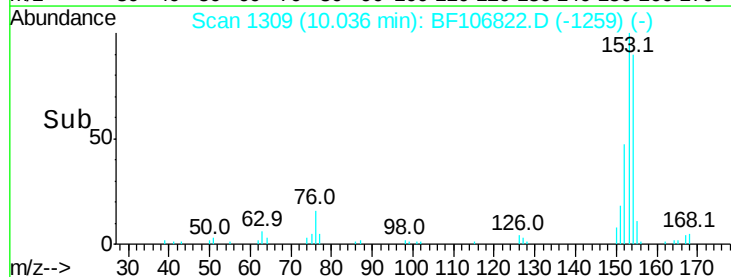
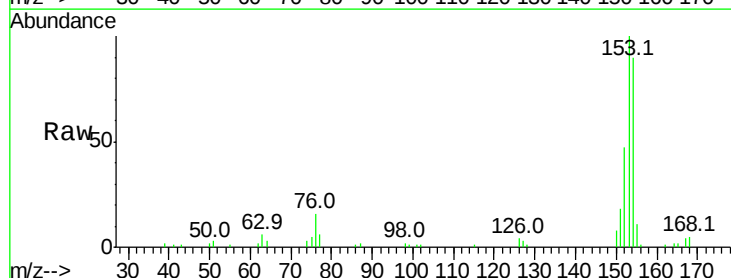
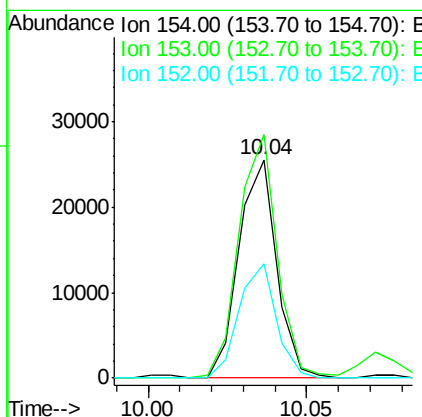
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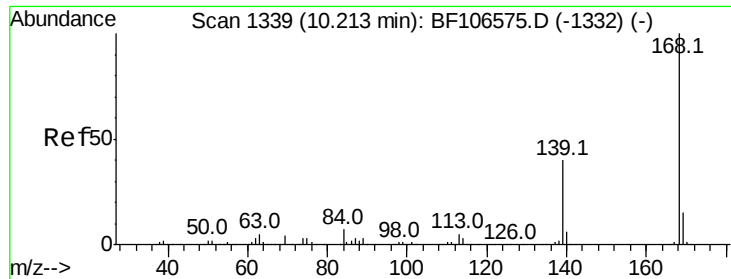
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#51
Acenaphthene
Concen: 3.999 ng
RT: 10.04 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BF106822.D
Acq: 26 Jun 2018 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	111.6	91.2	136.8	
152	52.5	43.8	65.8	





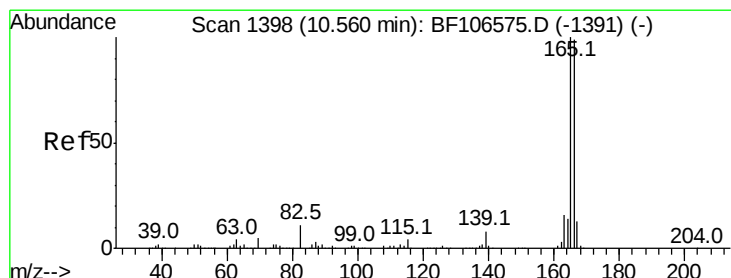
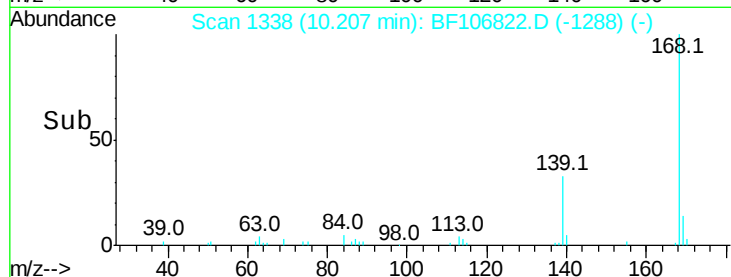
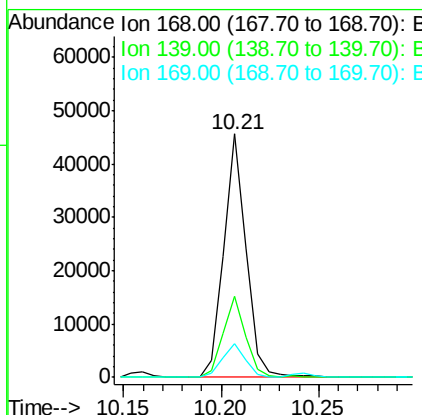
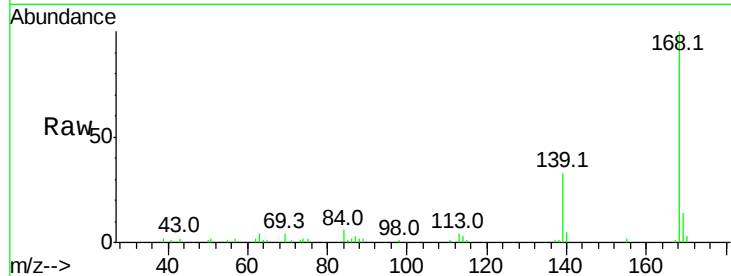
#54
Dibenzenofuran
Concen: 5.016 ng
RT: 10.21 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BF106822.D
Acq: 26 Jun 2018 15:01

Instrument :
BNA_F
ClientSampleId :
RO-1-4

Tot Ion	Ratio	Lower	Upper
168	100		
139	33.3	30.1	45.1
169	14.0	10.9	16.3

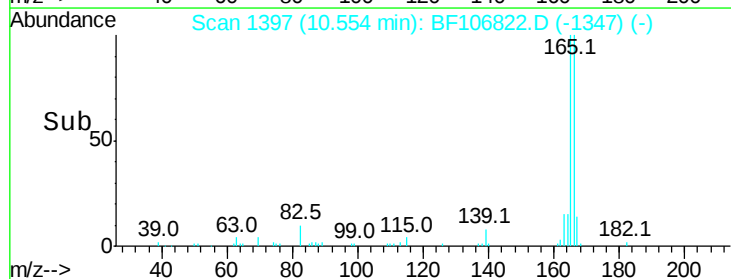
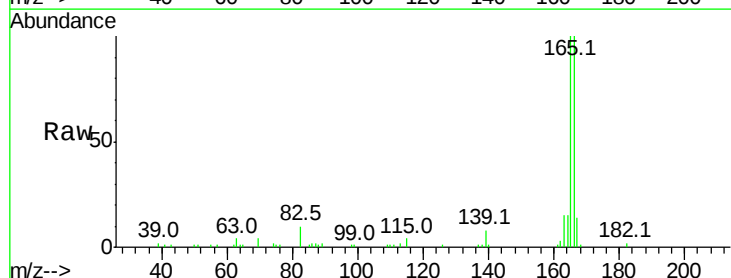
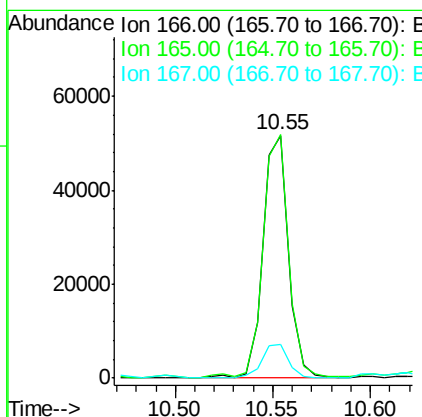
Manual Integrations
APPROVED

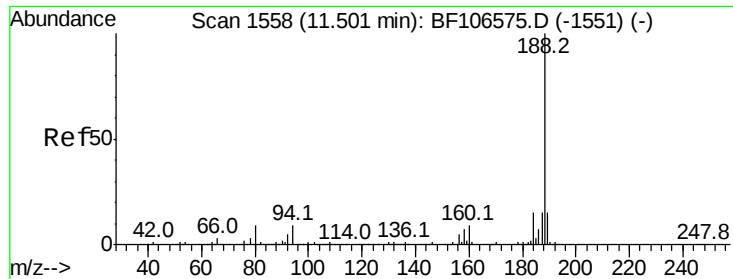
Sohil
6/27/2018 2:14:02 PM



#57
Fluorene
Concen: 8.147 ng
RT: 10.55 min Scan# 1397
Delta R.T. -0.01 min
Lab File: BF106822.D
Acq: 26 Jun 2018 15:01

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.4	79.8	119.8
167	13.8	10.6	16.0





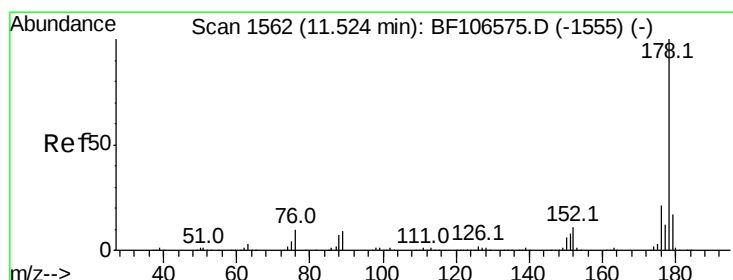
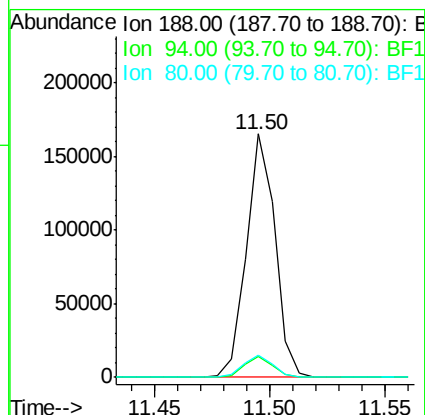
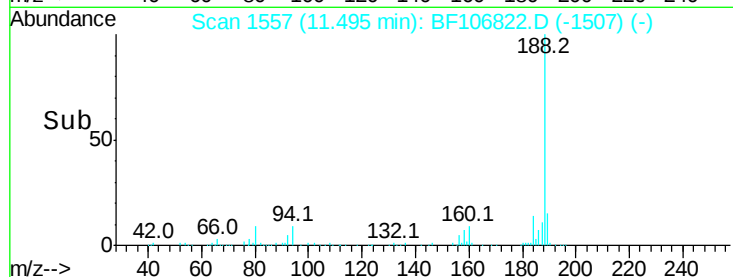
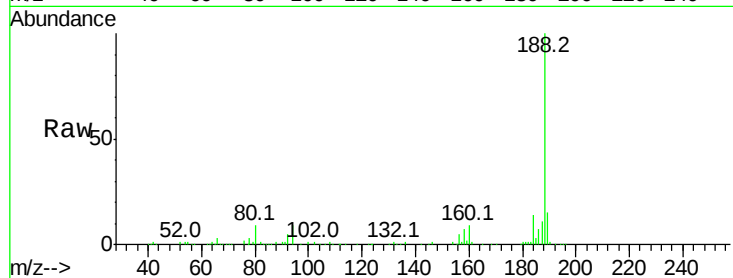
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: BF106822.D
 Acq: 26 Jun 2018 15:01

Instrument :
 BNA_F
 ClientSampled :
 RO-1-4

Tot Ion	Ratio	Resp	Lower	Upper
188	100	143268		
94	8.6		8.5	12.7
80	9.3		9.2	13.8

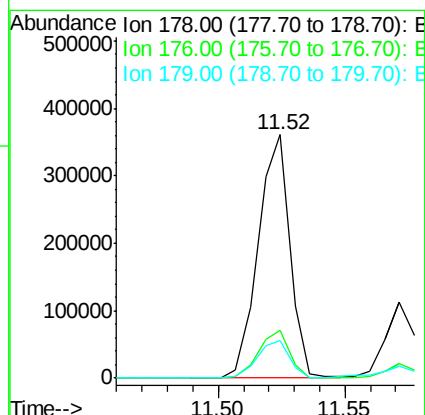
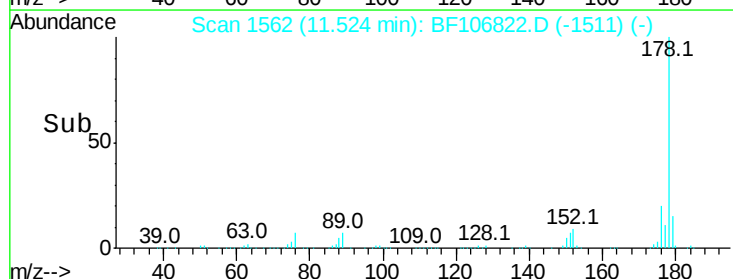
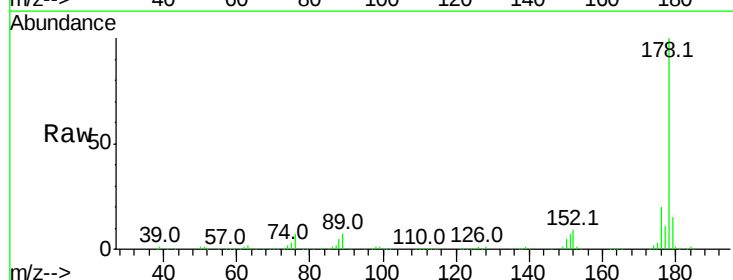
Manual Integrations
 APPROVED

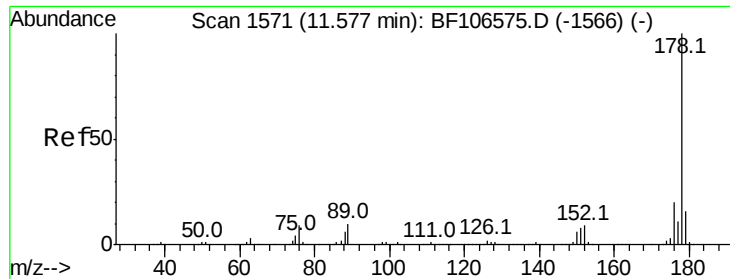
Sohil
 6/27/2018 2:14:02 PM



#70
 Phenanthrene
 Concen: 45.777 ng
 RT: 11.52 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: BF106822.D
 Acq: 26 Jun 2018 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	316323		
176	19.8		15.8	23.8
179	15.3		13.0	19.6





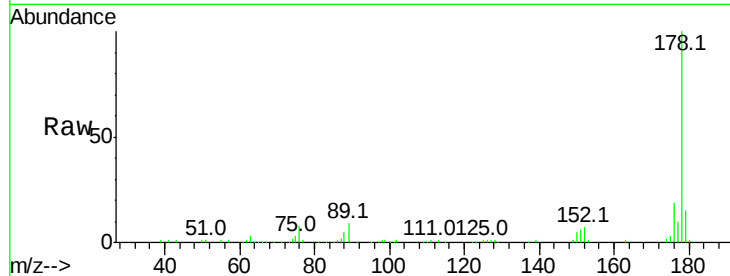
#71
 Anthracene
 Concen: 12.557 ng
 RT: 11.57 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BF106822.D
 Acq: 26 Jun 2018 15:01

Instrument :
 BNA_F
 ClientSampled :
 RO-1-4

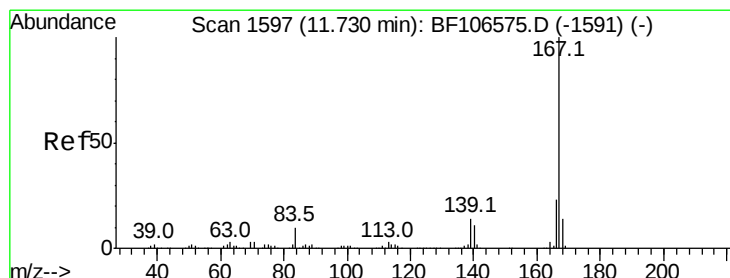
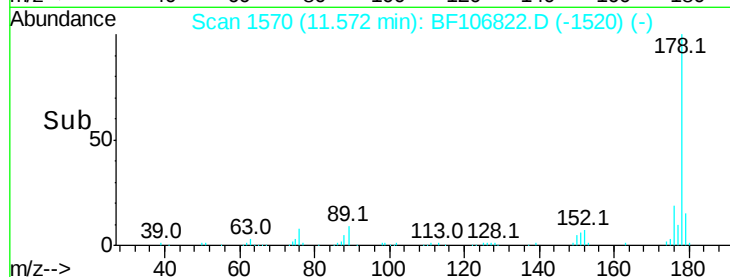
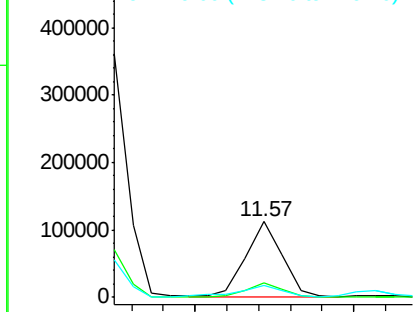
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	15.2	12.6	19.0

Manual Integrations
 APPROVED

Sohil
 6/27/2018 2:14:02 PM



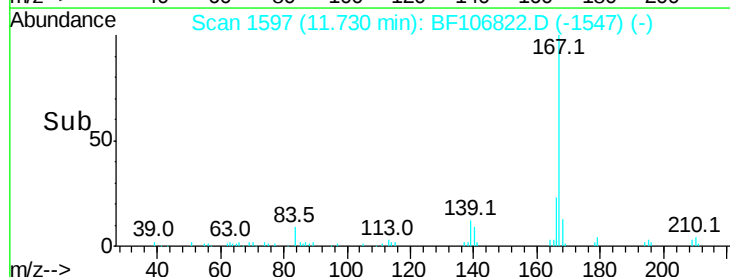
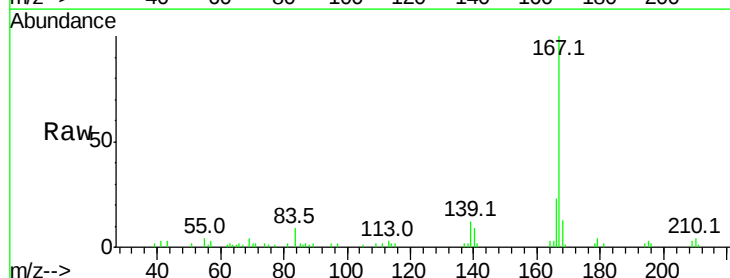
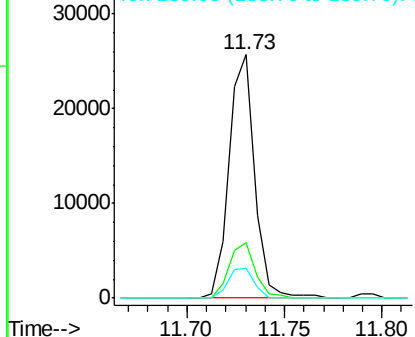
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

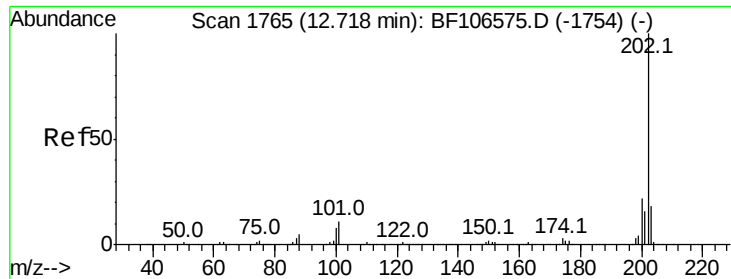


#72
 Carbazole
 Concen: 3.537 ng
 RT: 11.73 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF106822.D
 Acq: 26 Jun 2018 15:01

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.7	17.6	26.4
139	12.4	10.9	16.3

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: 46.859 ng

RT: 12.72 min Scan# 1765

Delta R.T. 0.00 min

Lab File: BF106822.D

Acq: 26 Jun 2018 15:01

Instrument :

BNA_F

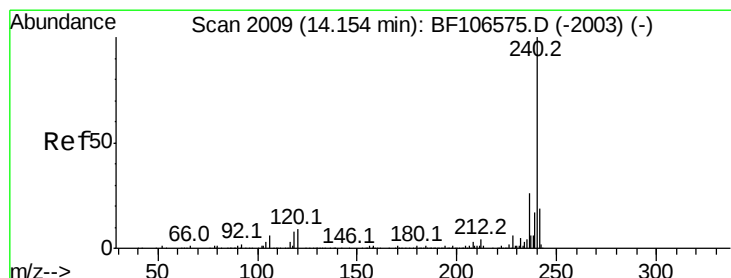
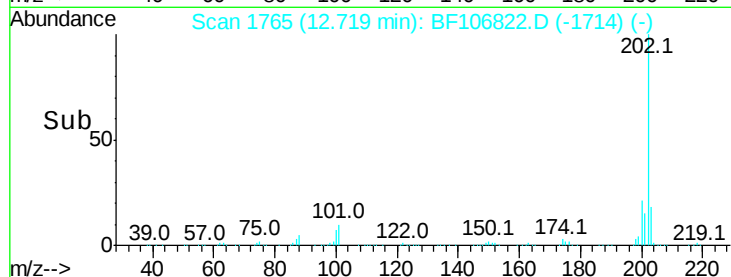
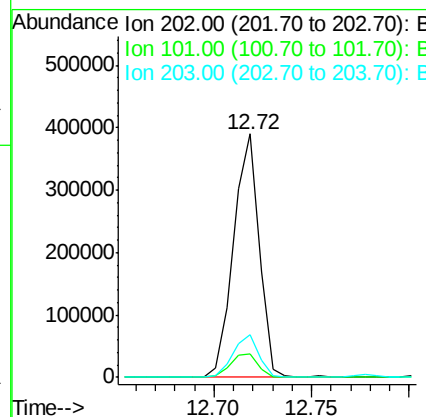
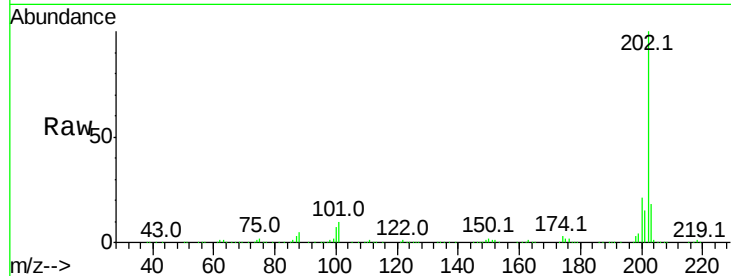
ClientSampled :

RO-1-4

Tot Ion:	202	Resp:	356897
Ion Ratio	Lower	Upper	
202	100		
101	9.8	0.0	34.1
203	17.7	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

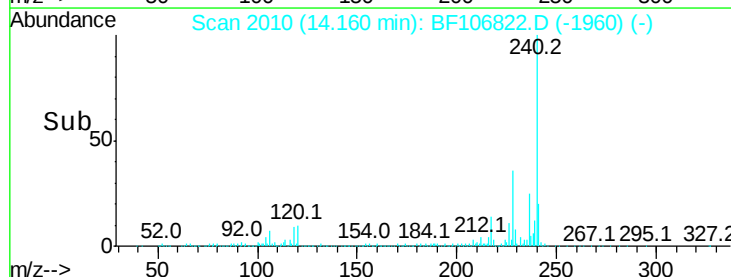
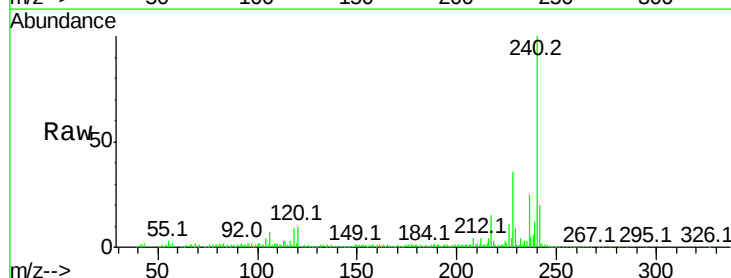
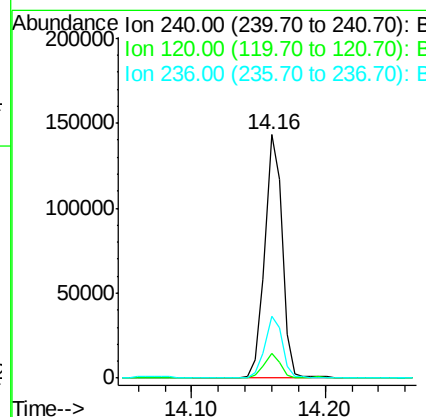
RT: 14.16 min Scan# 2010

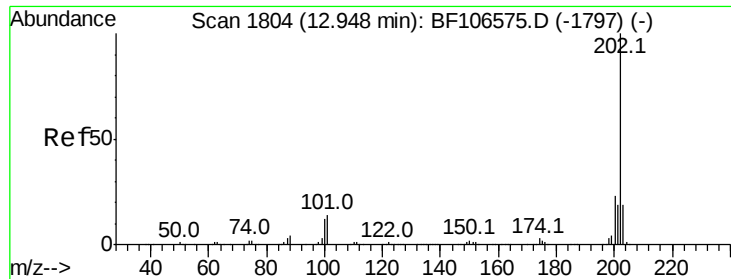
Delta R.T. -0.01 min

Lab File: BF106822.D

Acq: 26 Jun 2018 15:01

Tgt Ion:	240	Resp:	129046
Ion Ratio	Lower	Upper	
240	100		
120	10.2	9.5	14.3
236	25.5	20.7	31.1





#77

Pvrene

Concen: 36.261 ng

RT: 12.95 min Scan# 1804

Delta R.T. 0.00 min

Lab File: BF106822.D

Acq: 26 Jun 2018 15:01

Instrument :

BNA_F

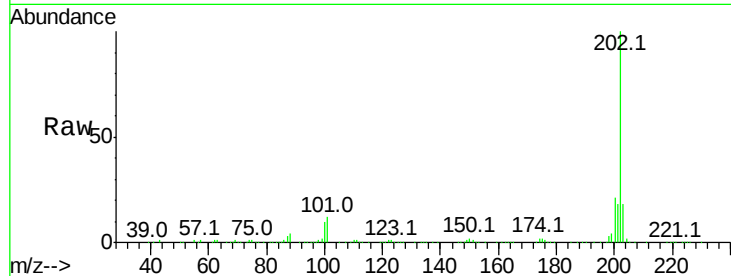
ClientSampleId :

RO-1-4

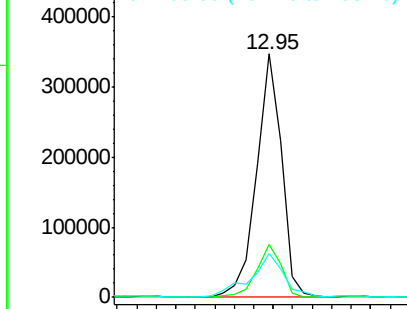
Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.5	17.4	26.2	
203	17.9	14.3	21.5	

Manual Integrations
APPROVED

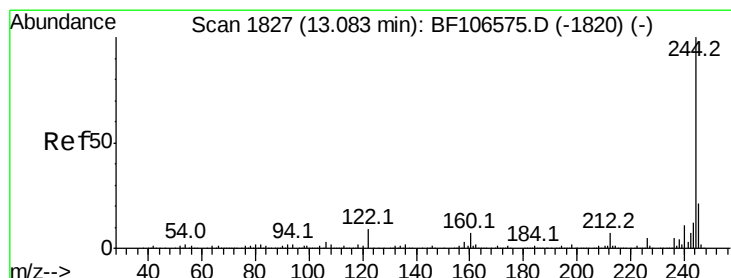
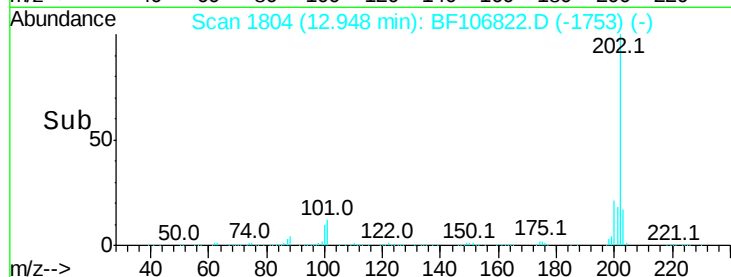
Sohil
6/27/2018 2:14:02 PM



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->



#78

Terphenyl-d14

Concen: 60.781 ng

RT: 13.08 min Scan# 1826

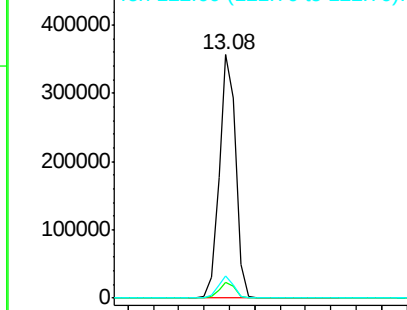
Delta R.T. -0.01 min

Lab File: BF106822.D

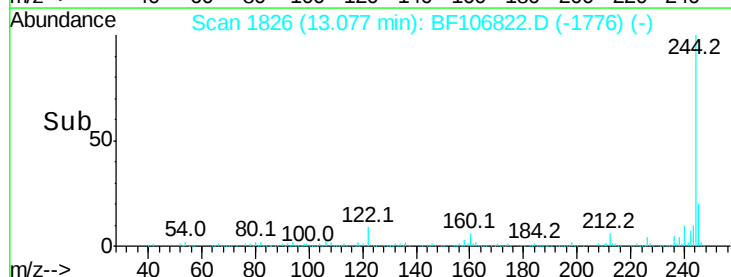
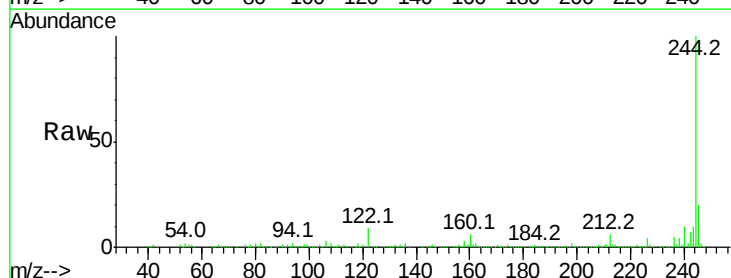
Acq: 26 Jun 2018 15:01

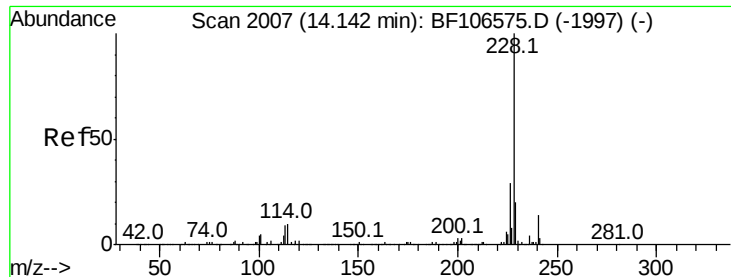
Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.5	5.4	8.0	
122	8.9	11.0	16.4	

Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



Time-->





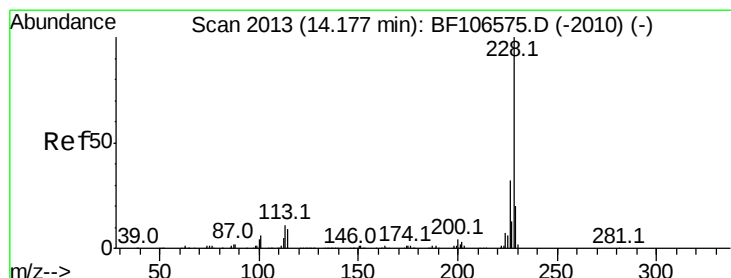
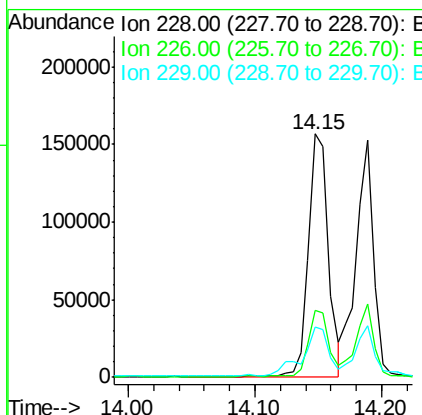
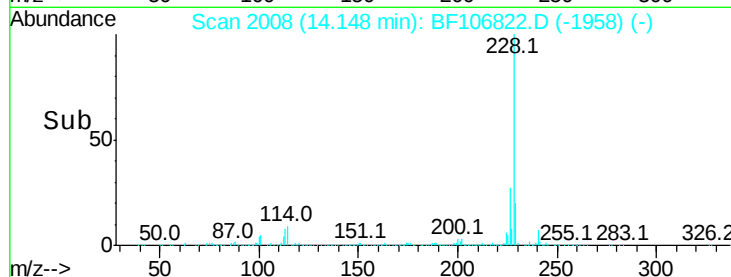
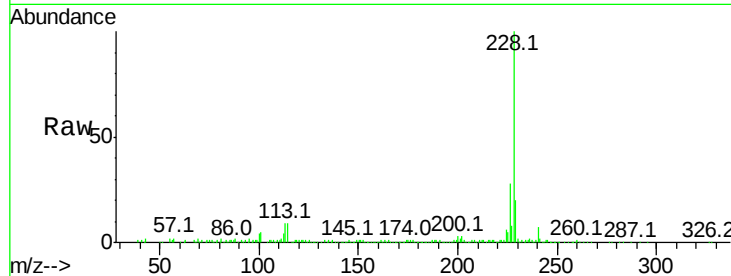
#80
Benzo(a)anthracene
Concen: 21.530 ng
RT: 14.15 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF106822.D
Acq: 26 Jun 2018 15:01

Instrument :
BNA_F
ClientSampleId :
RO-1-4

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.6	33.8
229	20.4	15.8	23.6

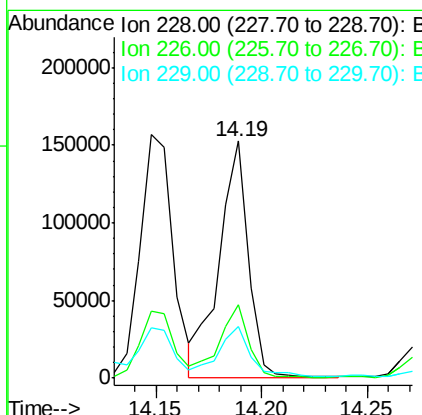
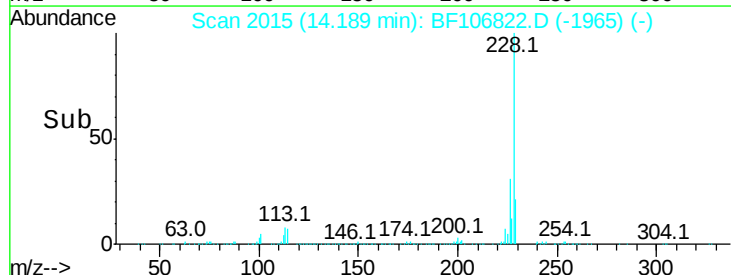
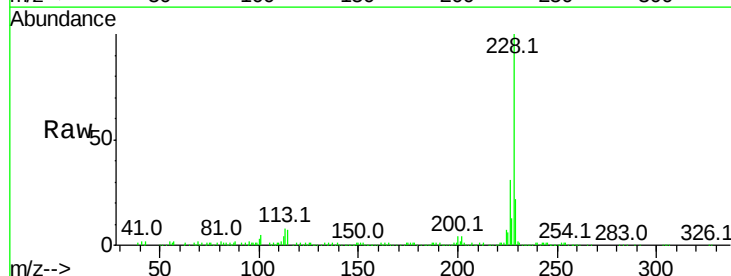
Manual Integrations
APPROVED

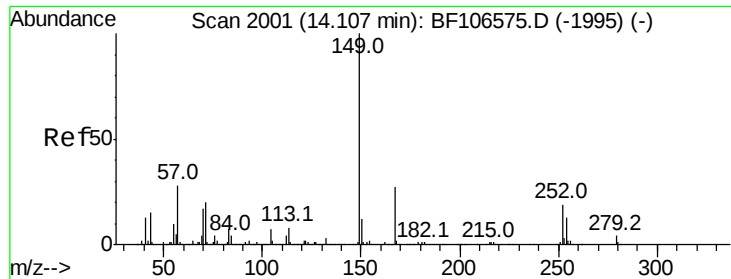
Sohil
6/27/2018 2:14:02 PM



#82
Chrysene
Concen: 20.087 ng
RT: 14.19 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BF106822.D
Acq: 26 Jun 2018 15:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.0	37.6
229	21.6	16.2	24.4





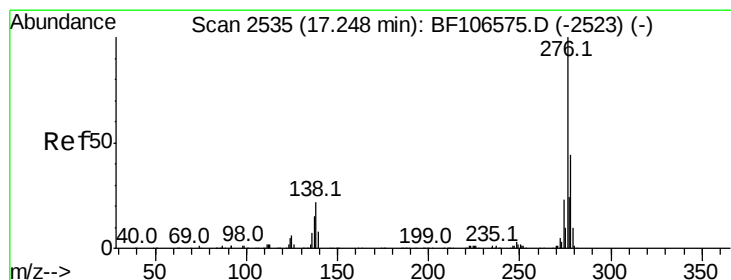
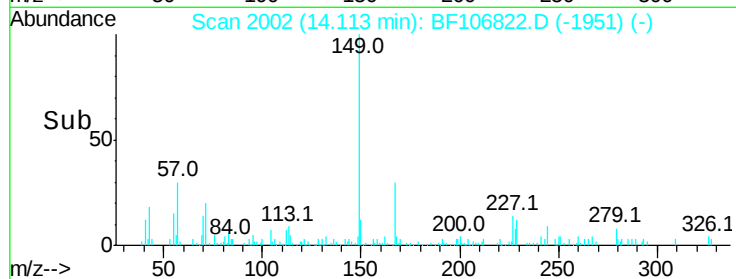
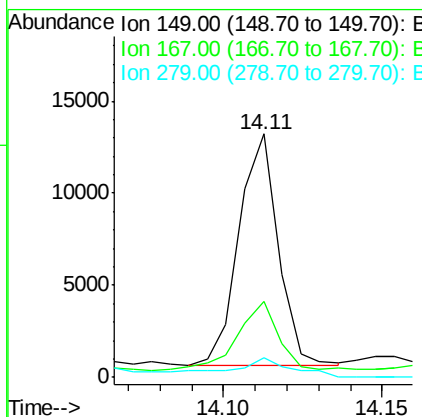
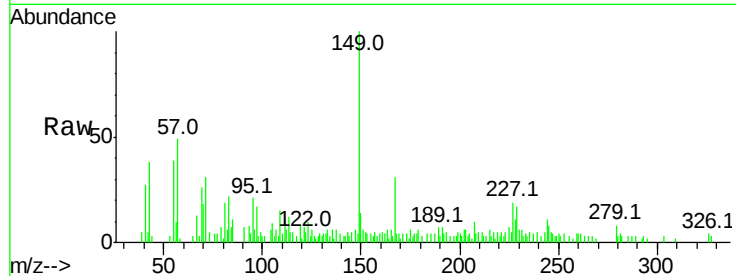
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.401 ng
 RT: 14.11 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: BF106822.D
 Acq: 26 Jun 2018 15:01

Instrument :
 BNA_F
 ClientSampleId :
 RO-1-4

Tot Ion	Ratio	Lower	Upper
149	100		
167	31.3	21.3	31.9
279	7.9	3.0	4.4#

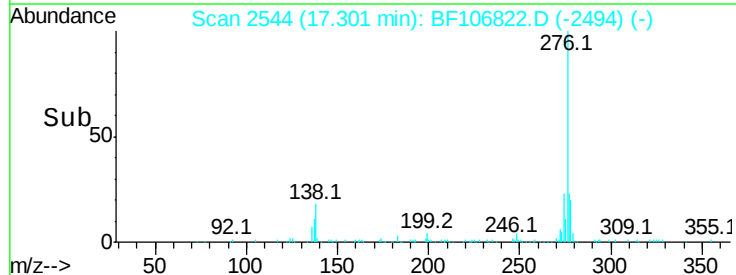
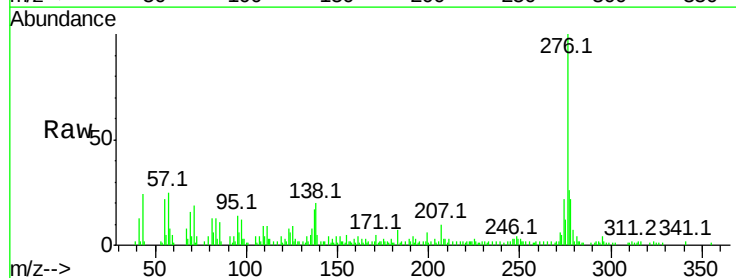
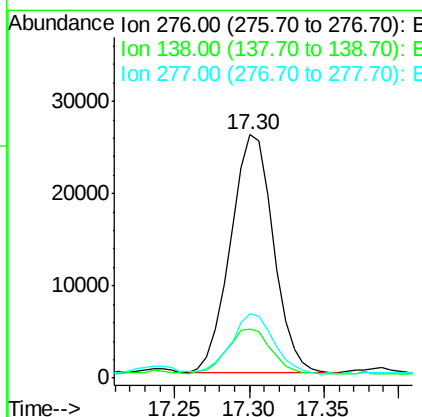
Manual Integrations
 APPROVED

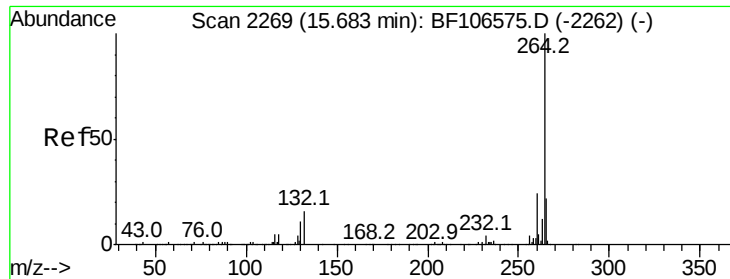
Sohil
 6/27/2018 2:14:02 PM



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.398 ng
 RT: 17.30 min Scan# 2544
 Delta R.T. -0.01 min
 Lab File: BF106822.D
 Acq: 26 Jun 2018 15:01

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.3	25.0	37.6#
277	26.0	20.1	30.1





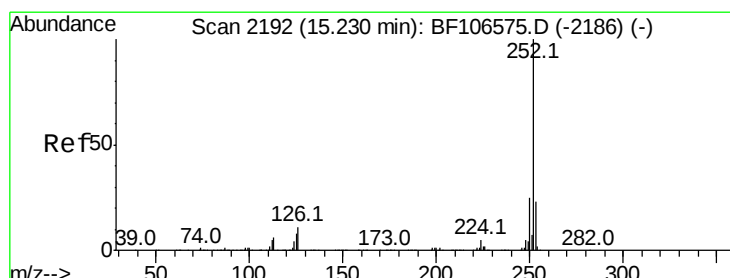
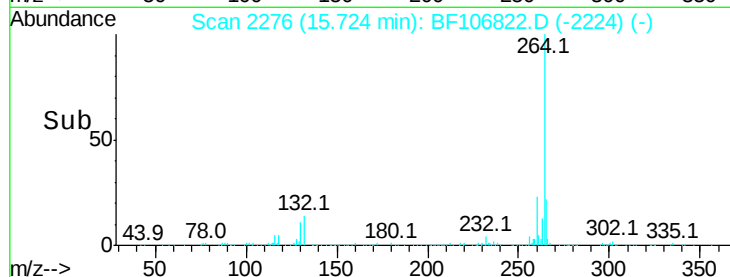
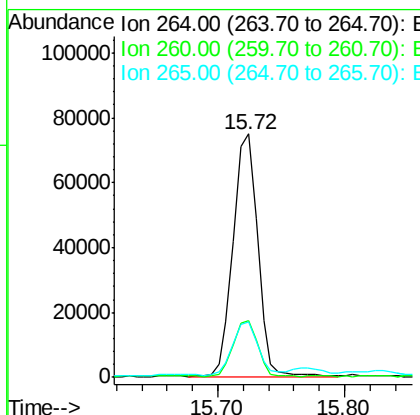
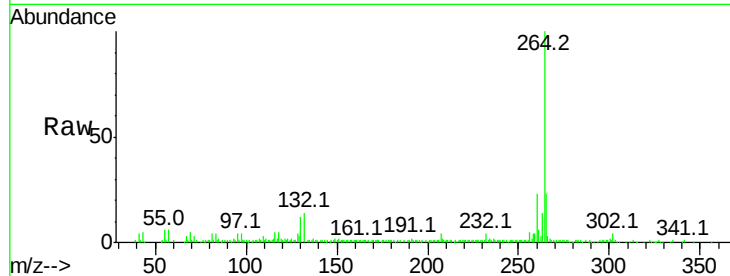
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.72 min Scan# 2276
Delta R.T. 0.01 min
Lab File: BF106822.D
Acq: 26 Jun 2018 15:01

Instrument :
BNA_F
ClientSampled :
RO-1-4

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	22.7	17.5	26.3

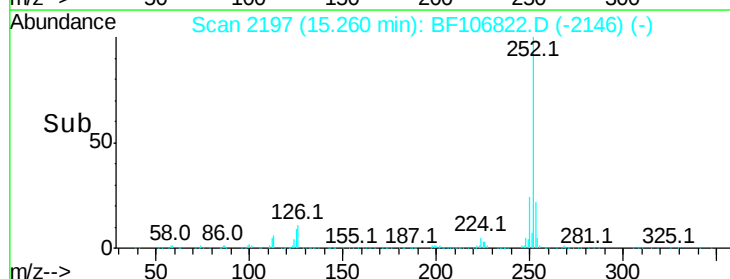
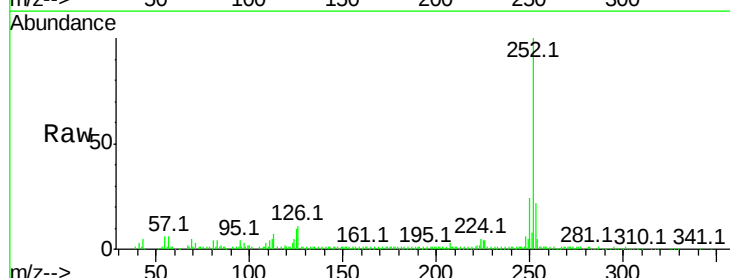
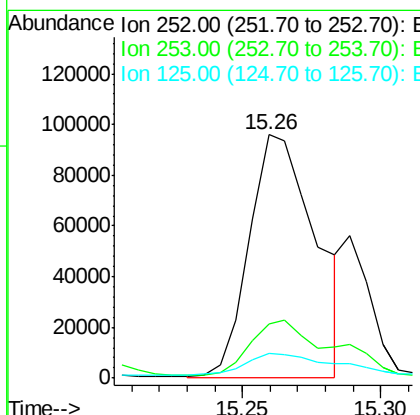
Manual Integrations
APPROVED

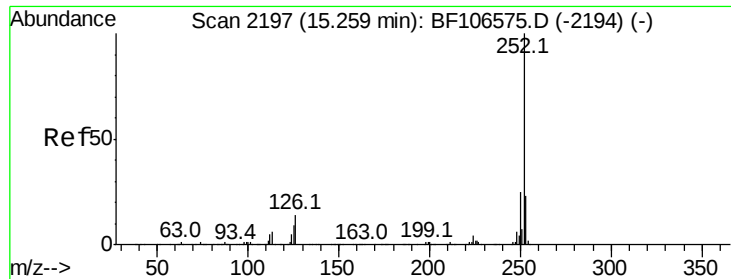
Sohil
6/27/2018 2:14:02 PM



#87
Benzo(b)fluoranthene
Concen: 25.817 ng m
RT: 15.26 min Scan# 2197
Delta R.T. -0.00 min
Lab File: BF106822.D
Acq: 26 Jun 2018 15:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.0	25.6
125	9.9	9.0	13.6





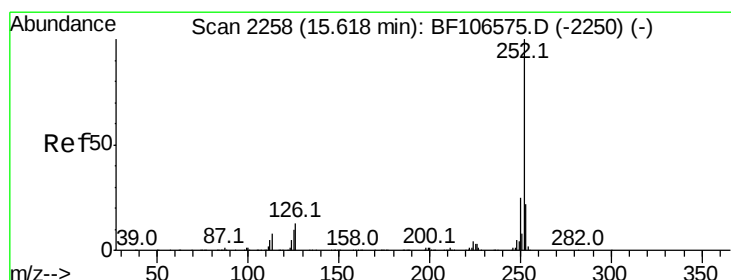
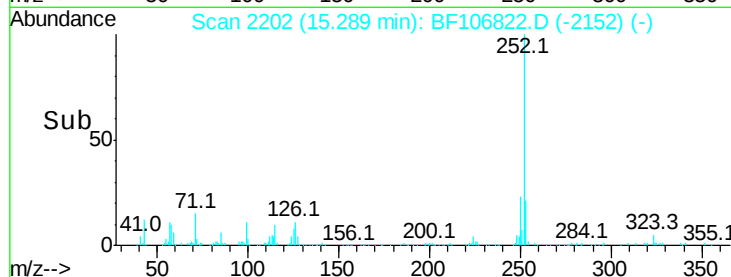
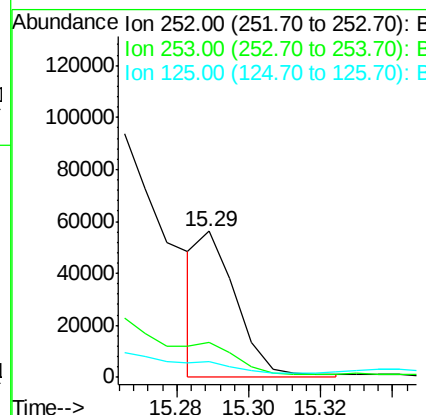
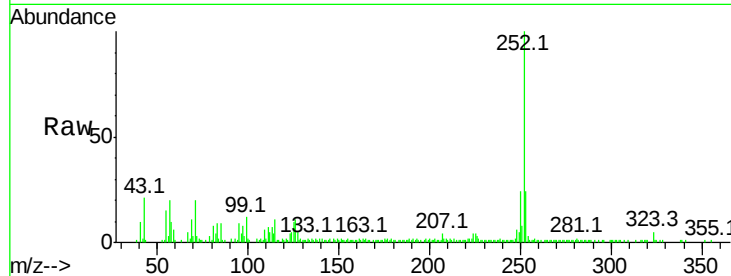
#88
Benzo(k)fluoranthene
Concen: 6.878 ng m
RT: 15.29 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BF106822.D
Acq: 26 Jun 2018 15:01

Instrument :
BNA_F
ClientSampleId :
RO-1-4

Tot Ion	Ratio	Resp	Lower	Upper
252	100	40718		
253	23.6		17.9	26.9
125	10.5		10.2	15.2

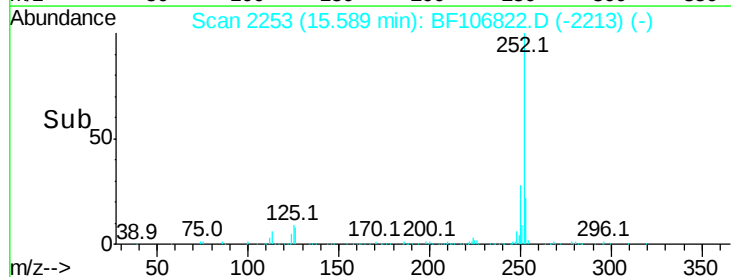
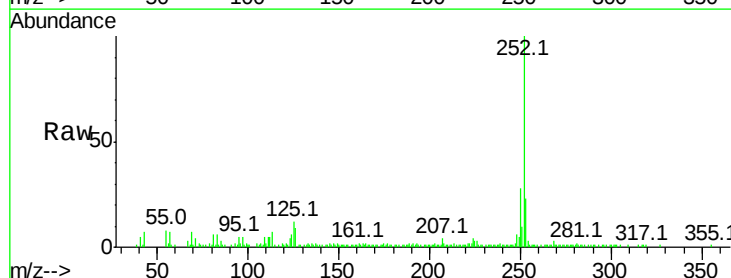
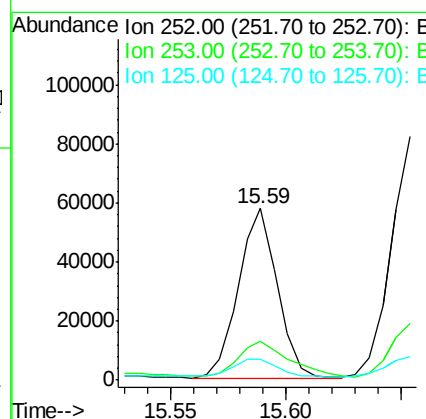
Manual Integrations
APPROVED

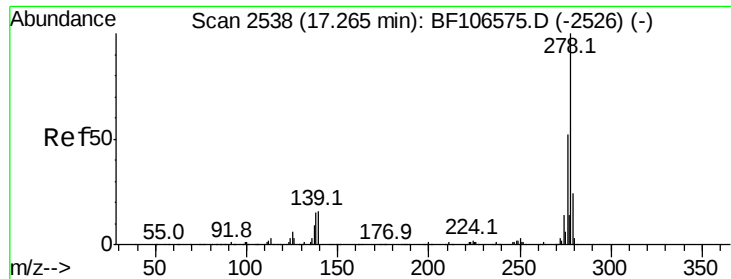
Sohil
6/27/2018 2:14:02 PM



#89
Benzo(a)pyrene
Concen: 12.300 ng
RT: 15.59 min Scan# 2253
Delta R.T. -0.06 min
Lab File: BF106822.D
Acq: 26 Jun 2018 15:01

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	67971		
253	22.9		17.1	25.7
125	12.3		9.8	14.6





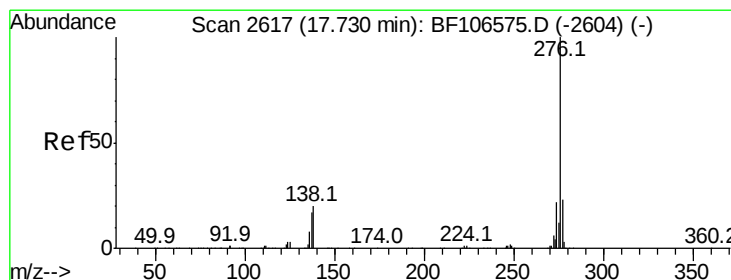
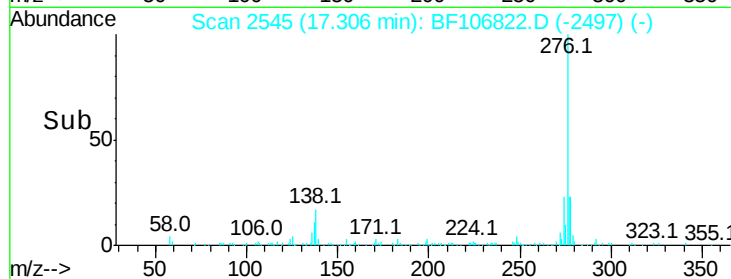
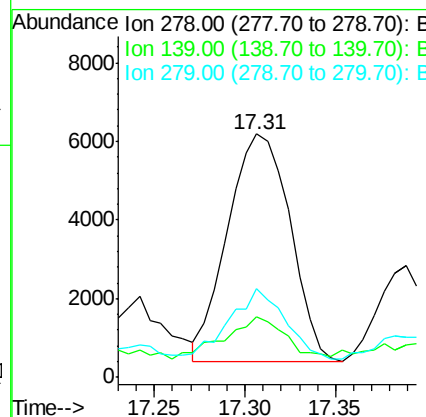
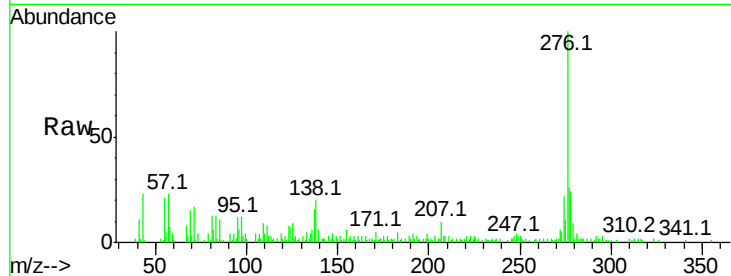
#90
Dibenzo(a,h)anthracene
Concen: 2.942 ng
RT: 17.31 min Scan# 2545
Delta R.T. -0.02 min
Lab File: BF106822.D
Acq: 26 Jun 2018 15:01

Instrument :
BNA_F
ClientSampleId :
RO-1-4

Tot Ion	Ratio	Lower	Upper
278	100		
139	24.7	15.9	23.9#
279	36.5	19.0	28.4#

Manual Integrations
APPROVED

Sohil
6/27/2018 2:14:02 PM



#91
Benzo(g,h,i)perylene
Concen: 10.815 ng
RT: 17.79 min Scan# 2627
Delta R.T. 0.00 min
Lab File: BF106822.D
Acq: 26 Jun 2018 15:01

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.8	17.9	26.9
138	19.1	21.8	32.8#

