

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062618\
 Data File : BF106824.D
 Acq On : 26 Jun 2018 15:55
 Operator : JU/SJ
 Sample : J3676-09
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-9-13

Manual Integrations
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Sohil
 6/27/2018 2:14:07 PM

Quant Time: Jun 26 17:33:37 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	46287	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	166752	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	72375	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	127779	20.00	ng	0.00
75) Chrysene-d12	14.16	240	131122	20.00	ng	0.00
86) Perylene-d12	15.72	264	91684	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	268814	98.34	ng	0.00
7) Phenol-d6	6.61	99	333169	97.60	ng	0.00
23) Nitrobenzene-d5	7.52	82	204445	68.14	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	85940	102.45	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	351057	81.49	ng	0.00
78) Terphenyl-d14	13.08	244	362616	66.99	ng	0.00
Target Compounds						
20) 3+4-Methylphenols	7.38	107	113	Below Cal		Qvalue # 20
31) Naphthalene	8.27	128	39096	5.015	ng	98
37) 2-Methylnaphthalene	8.95	142	11577	2.240	ng	95
48) Acenaphthylene	9.87	152	15500	2.162	ng	96
49) Dimethylphthalate	9.71	163	64240	11.834	ng	99
51) Acenaphthene	10.04	154	14827	3.285	ng	97
54) Dibenzofuran	10.21	168	22105	3.576	ng	96
57) Fluorene	10.55	166	28611	5.833	ng	98
70) Phenanthrene	11.52	178	248482	40.318	ng	98
71) Anthracene	11.57	178	68969	10.964	ng	99
72) Carbazole	11.73	167	21652	3.676	ng	98
74) Fluoranthene	12.72	202	339008	49.906	ng	95
77) Pyrene	12.95	202	308282	35.654	ng	100
80) Benzo(a)anthracene	14.15	228	178993	22.398	ng	99
82) Chrysene	14.19	228	157423	21.412	ng	97
83) Bis(2-ethylhexyl)phthalate	14.11	149	35958	7.912	ng	# 96
85) Indeno(1,2,3-cd)pyrene	17.29	276	55845	8.951	ng	# 90
87) Benzo(b)fluoranthene	15.26	252	166577m	29.248	ng	
88) Benzo(k)fluoranthene	15.28	252	44291m	8.166	ng	
89) Benzo(a)pyrene	15.58	252	70999	14.023	ng	97
90) Dibenzo(a,h)anthracene	17.29	278	15481	3.608	ng	# 77
91) Benzo(g,h,i)perylene	17.78	276	55980	13.348	ng	# 90

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

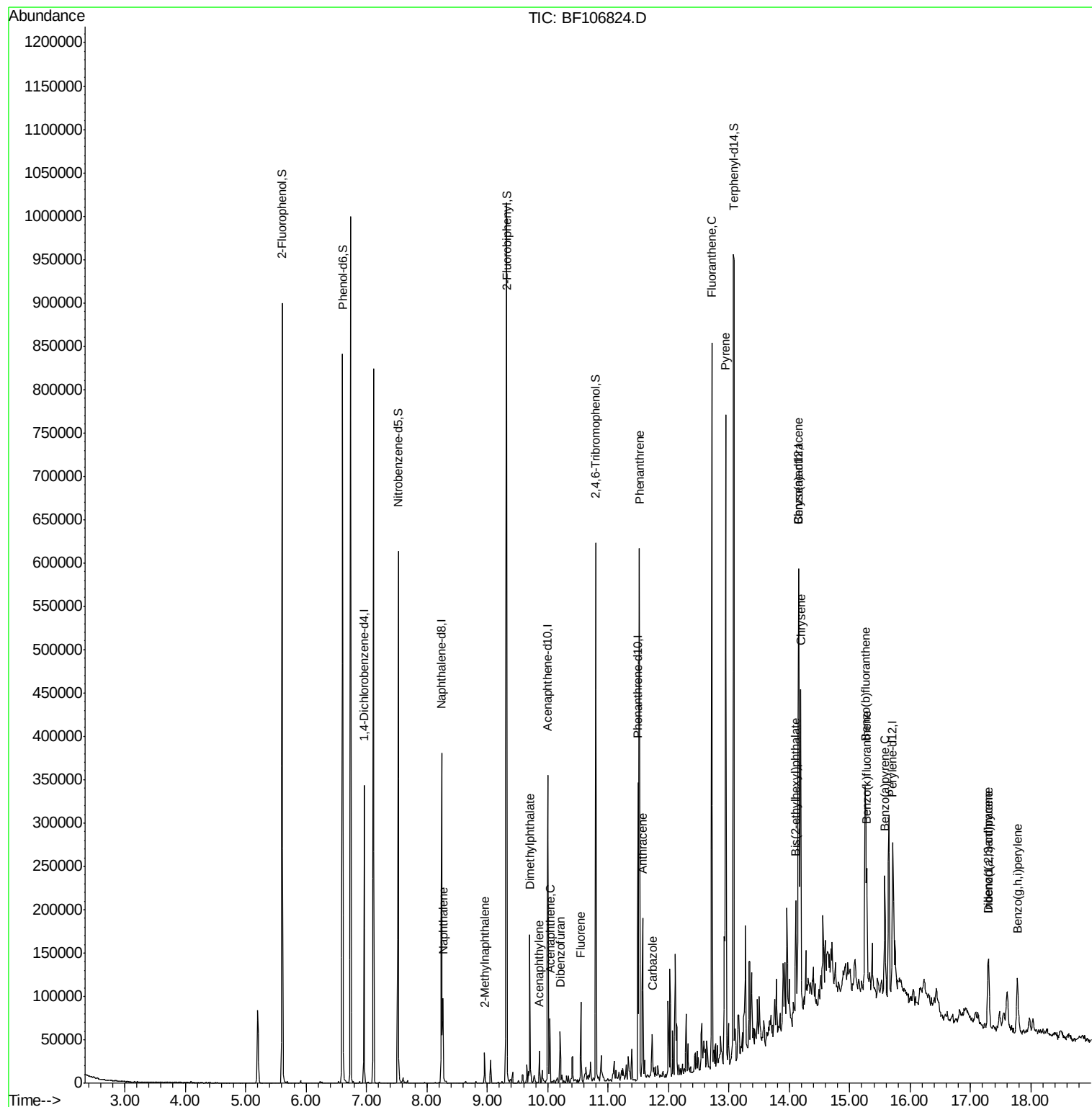
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062618\
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Misc :
ALS Vial : 12 Sample Multiplier: 1

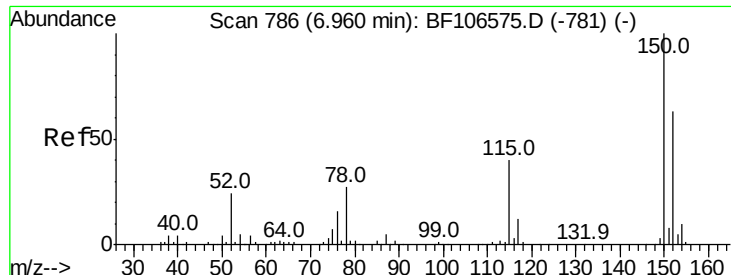
Instrument :
BNA_F
ClientSampleId :
RO-9-13

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Quant Time: Jun 26 17:33:37 2018
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

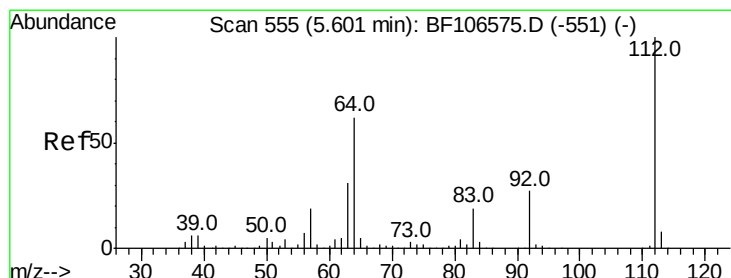
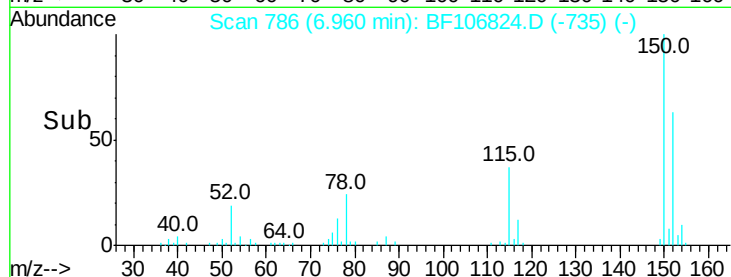
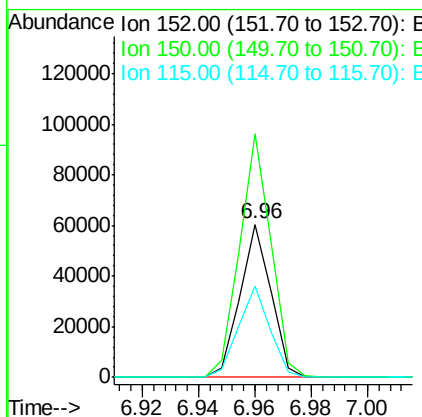
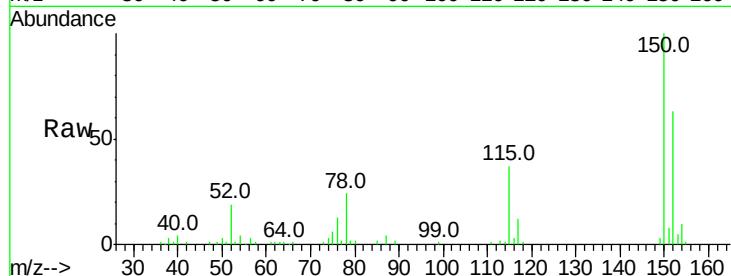
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.00 min
Lab File: BF106824.D
Acq: 26 Jun 2018 15:55

Instrument :
BNA_F
ClientSampleId :
RO-9-13

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.0	124.6	186.8
115	59.5	50.1	75.1

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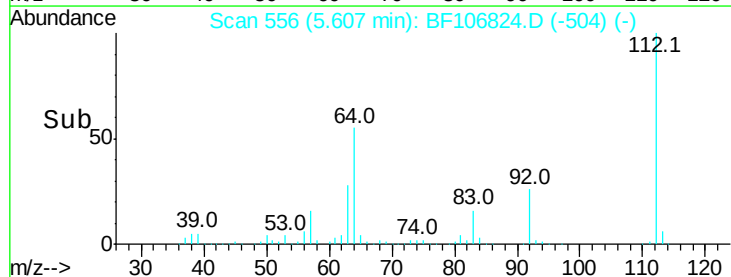
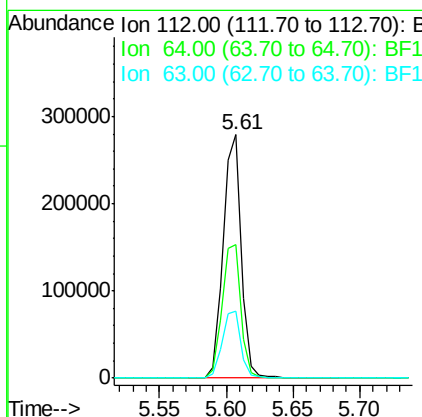
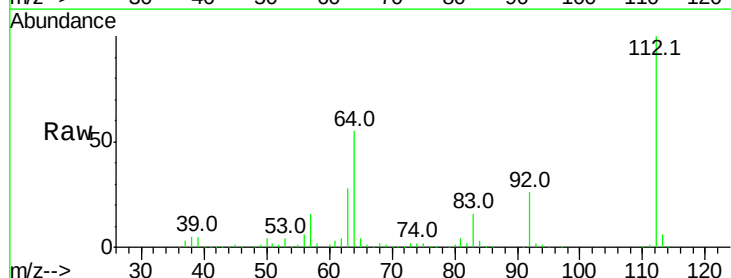
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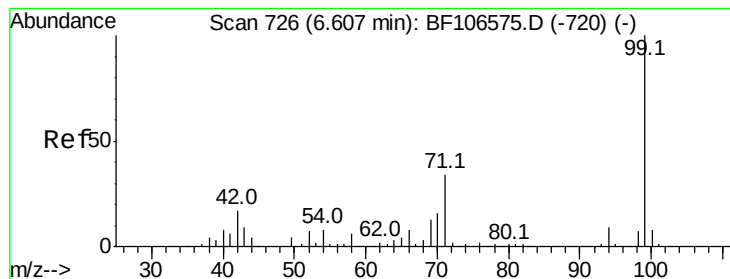


#5

2-Fluorophenol
Concen: 98.340 ng
RT: 5.61 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF106824.D
Acq: 26 Jun 2018 15:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.9	47.9	71.9
63	27.5	23.7	35.5





#7

Phenol-d6

Concen: 97.600 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF106824.D

Acq: 26 Jun 2018 15:55

Instrument :

BNA_F

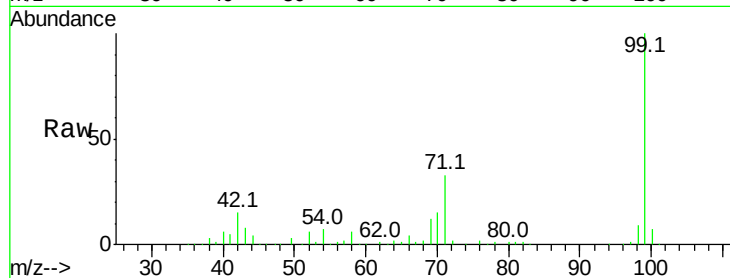
ClientSampled :

RO-9-13

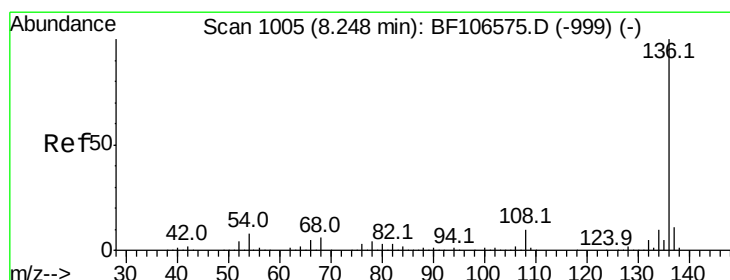
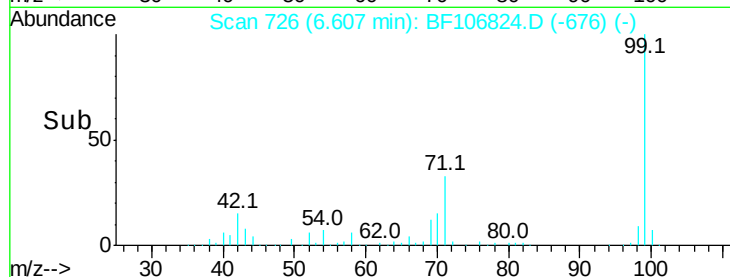
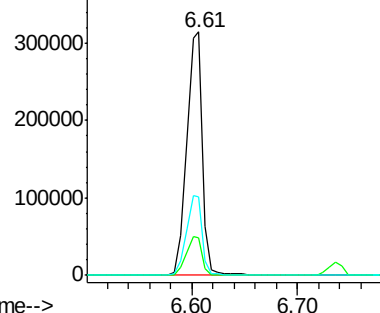
Tot Ion:	99	Resp:	333169
Ion	Ratio	Lower	Upper
99	100		
42	15.5	14.5	21.7
71	32.5	25.4	38.0

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1004

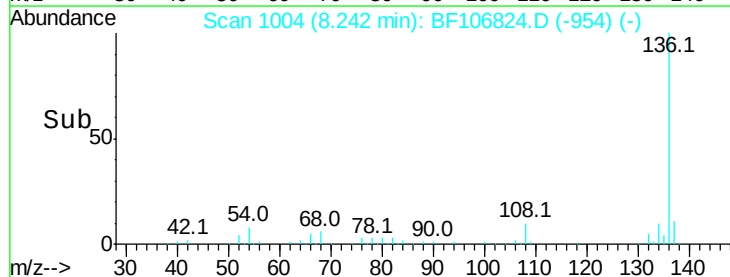
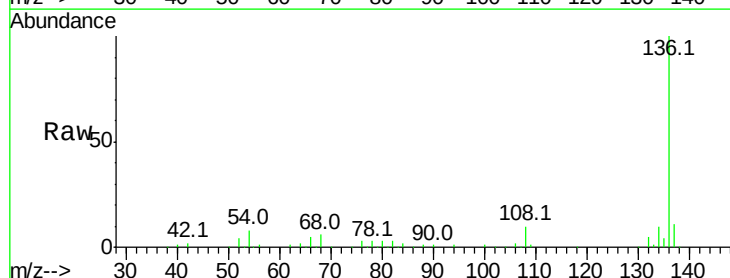
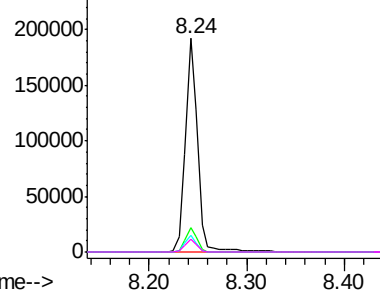
Delta R.T. -0.01 min

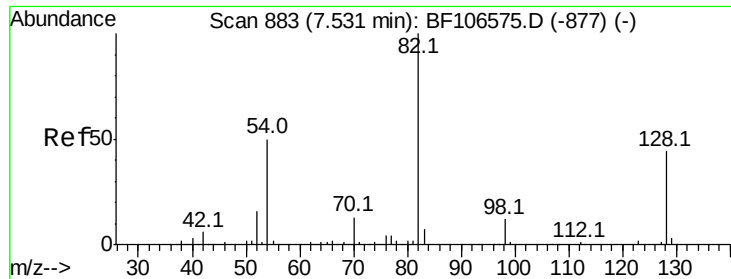
Lab File: BF106824.D

Acq: 26 Jun 2018 15:55

Tgt Ion:	136	Resp:	166752
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	8.0	6.6	9.8
68	6.3	5.0	7.4

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): BF1
Ion 68.00 (67.70 to 68.70): BF1





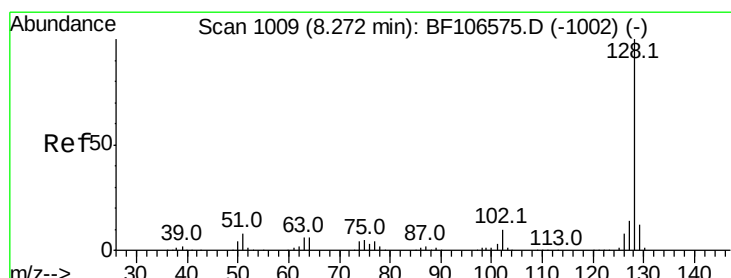
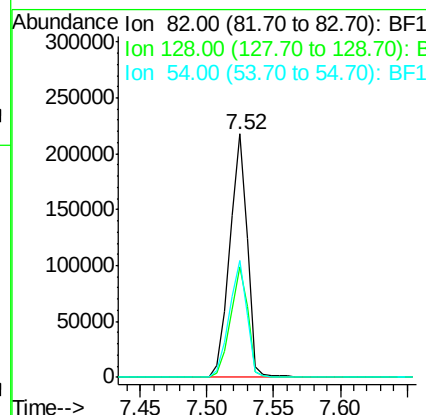
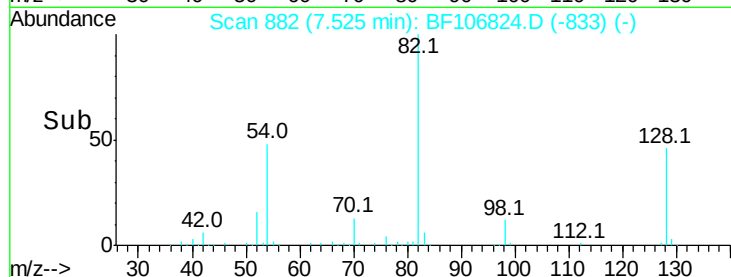
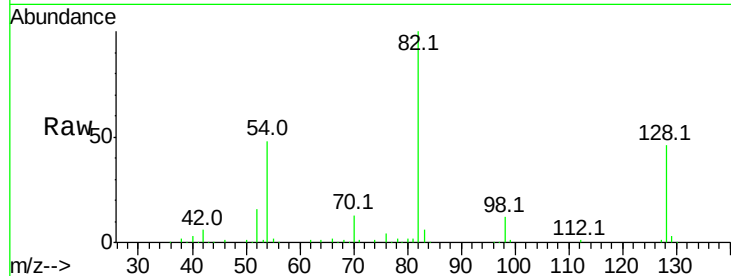
#23
Nitrobenzene-d5
Concen: 68.136 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF106824.D
Acq: 26 Jun 2018 15:55

Instrument :
BNA_F
ClientSampled :
RO-9-13

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.5	36.1	54.1	
54	47.9	41.4	62.2	

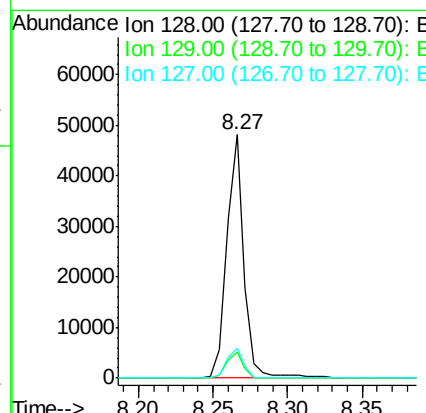
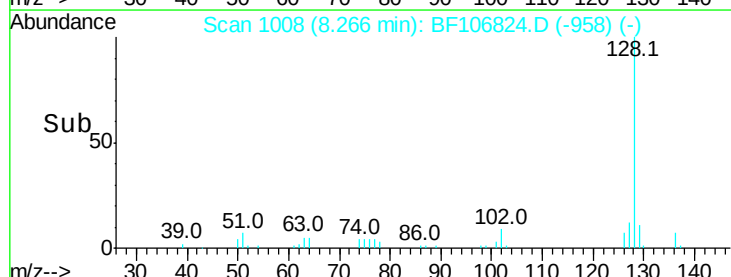
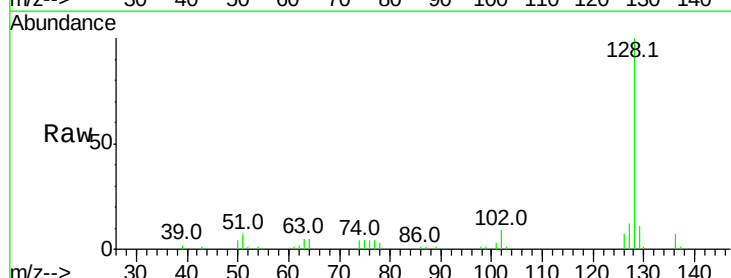
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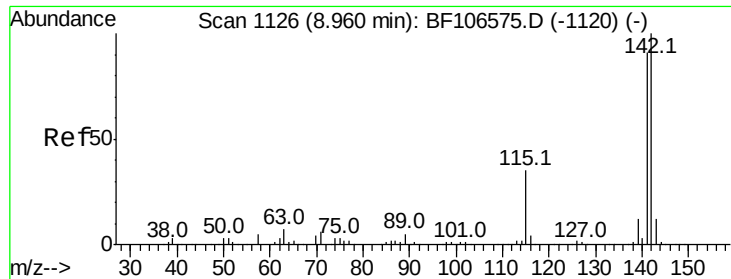
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#31
Naphthalene
Concen: 5.015 ng
RT: 8.27 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BF106824.D
Acq: 26 Jun 2018 15:55

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	10.7	8.8	13.2	
127	12.2	10.9	16.3	





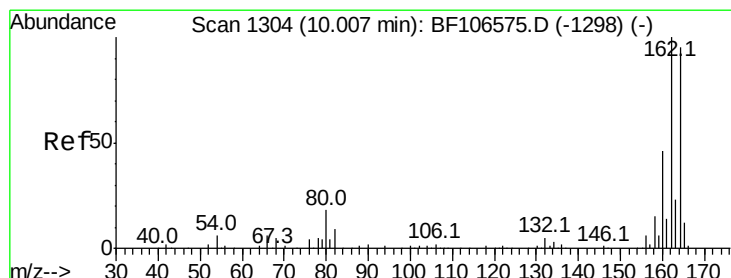
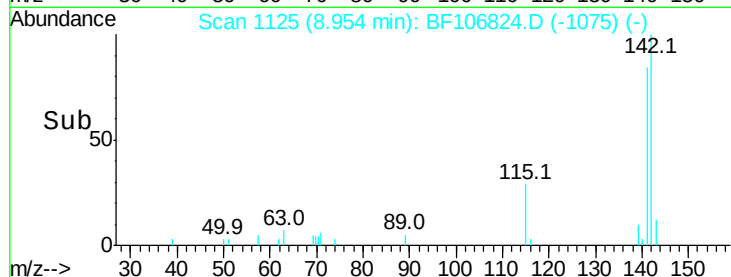
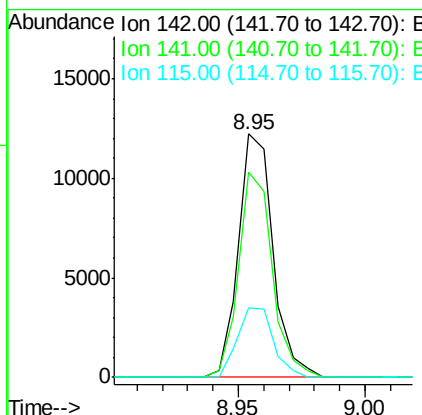
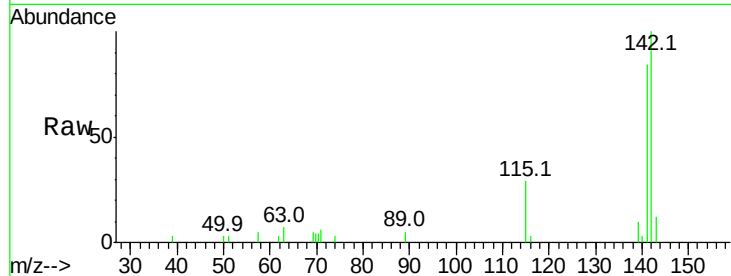
#37
2-Methylnaphthalene
Concen: 2.240 ng
RT: 8.95 min Scan# 1125
Delta R.T. -0.01 min
Lab File: BF106824.D
Acq: 26 Jun 2018 15:55

Instrument :
BNA_F
ClientSampleId :
RO-9-13

Tot Ion	Ratio	Lower	Upper
142	100		
141	84.4	70.8	106.2
115	28.8	26.1	39.1

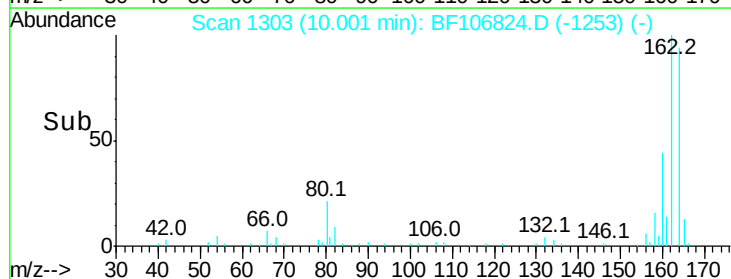
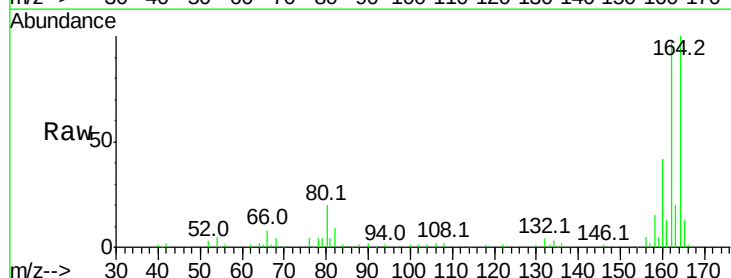
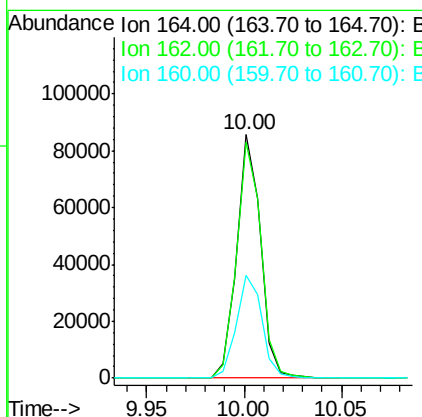
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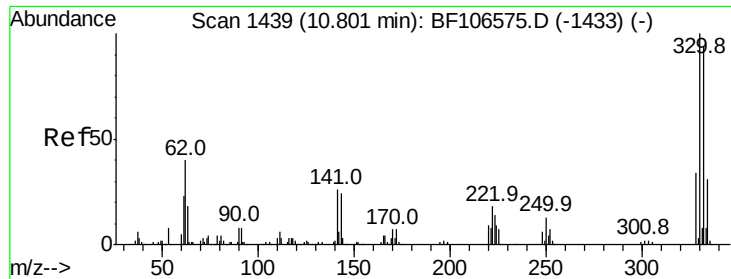
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF106824.D
Acq: 26 Jun 2018 15:55

Tgt Ion	Ratio	Lower	Upper
164	100		
162	96.8	86.1	129.1
160	42.4	38.3	57.5





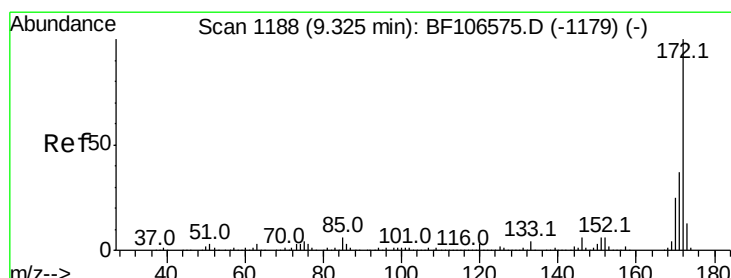
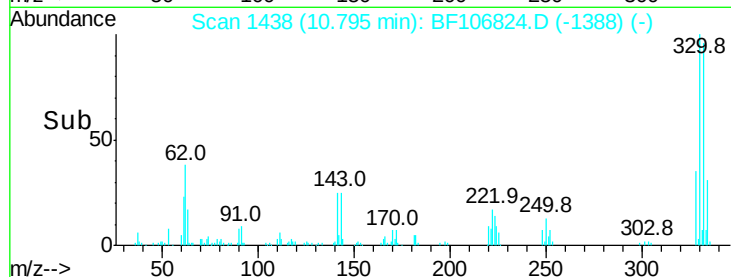
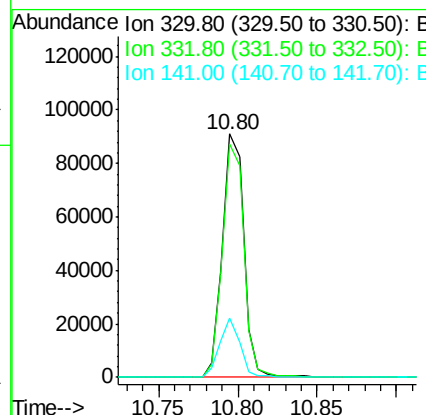
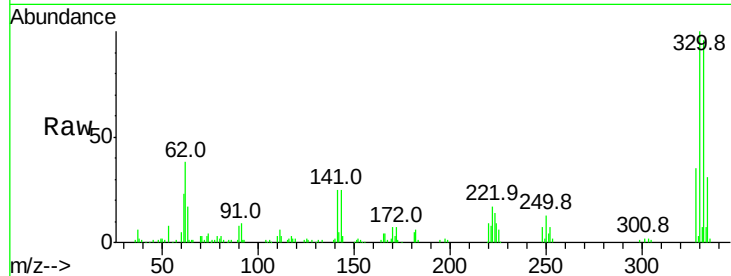
#41
 2,4,6-Tribromophenol
 Concen: 102.450 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF106824.D
 Acq: 26 Jun 2018 15:55

Instrument :
 BNA_F
 ClientSampled :
 RO-9-13

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.0	115.6
141	22.9	29.9	44.9#

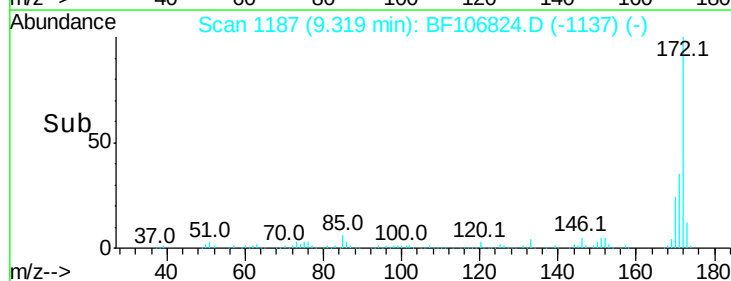
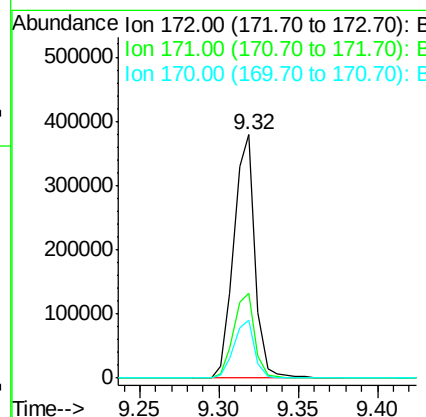
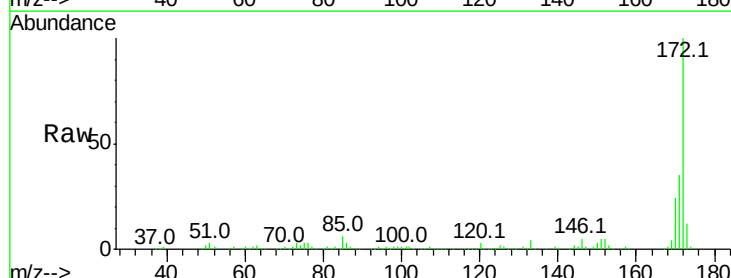
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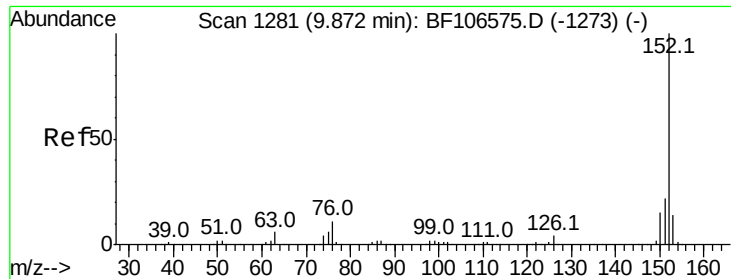
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#44
 2-Fluorobiphenyl
 Concen: 81.493 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF106824.D
 Acq: 26 Jun 2018 15:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	29.7	44.5
170	23.7	19.6	29.4





#48

Acenaphthylene

Concen: 2.162 ng

RT: 9.87 min Scan# 1280

Delta R.T. -0.01 min

Lab File: BF106824.D

Acq: 26 Jun 2018 15:55

Instrument :

BNA_F

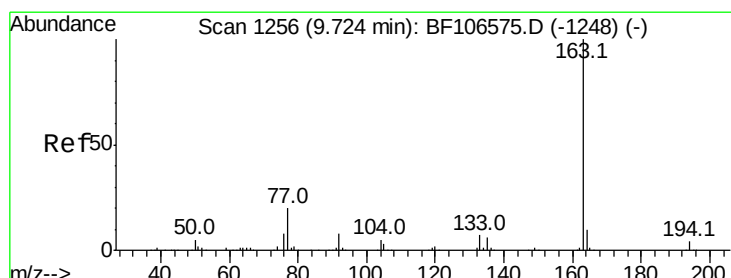
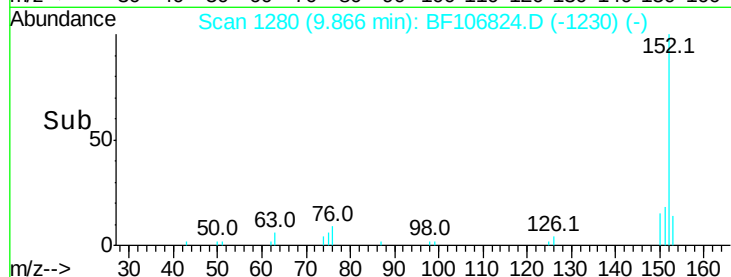
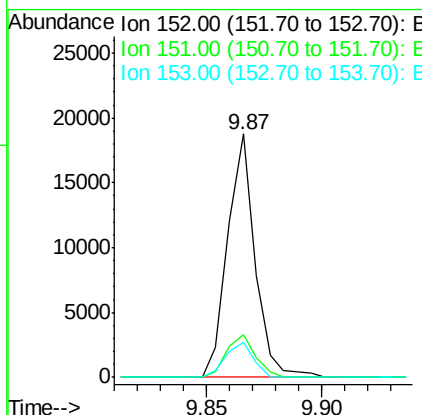
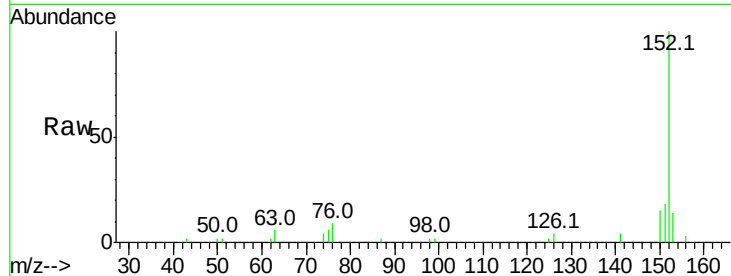
ClientSampled :

RO-9-13

Tot Ion:	152	Resp:	15500
Ion Ratio	Lower	Upper	
152	100		
151	17.8	16.3	24.5
153	14.3	10.7	16.1

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#49

Dimethylphthalate

Concen: 11.834 ng

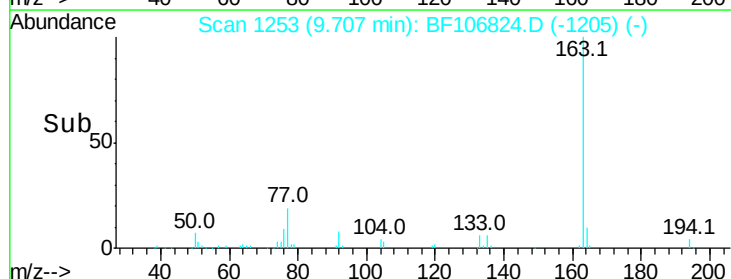
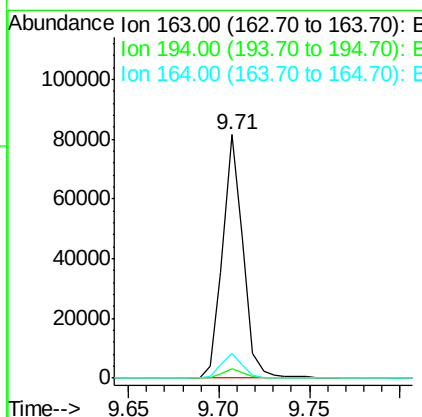
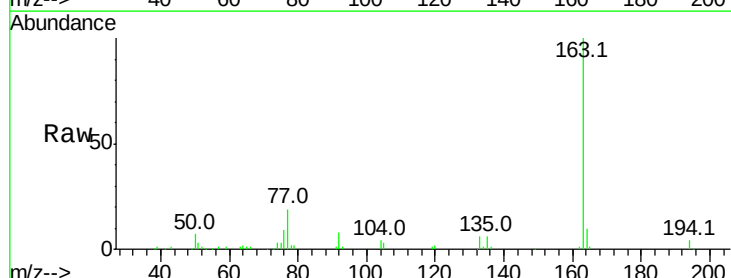
RT: 9.71 min Scan# 1253

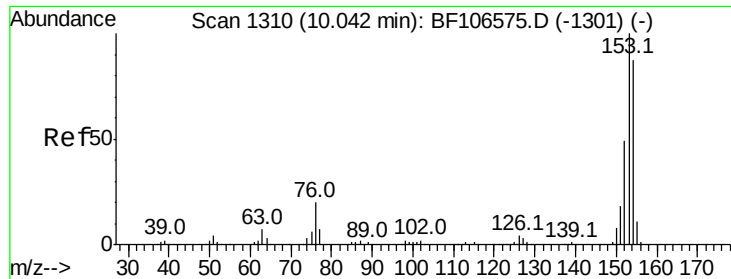
Delta R.T. -0.02 min

Lab File: BF106824.D

Acq: 26 Jun 2018 15:55

Tgt Ion:	163	Resp:	64240
Ion Ratio	Lower	Upper	
163	100		
194	3.9	2.7	4.1
164	10.4	8.2	12.2





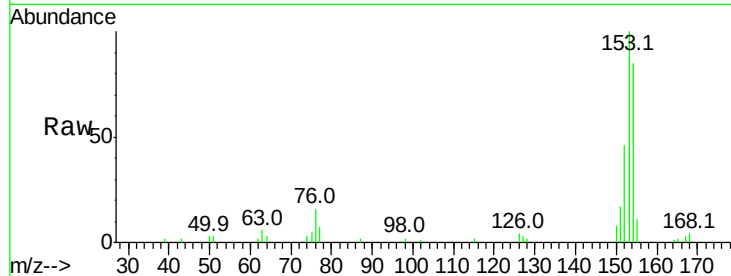
#51
Acenaphthene
Concen: 3.285 ng
RT: 10.04 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BF106824.D
Acq: 26 Jun 2018 15:55

Instrument :
BNA_F
ClientSampled :
RO-9-13

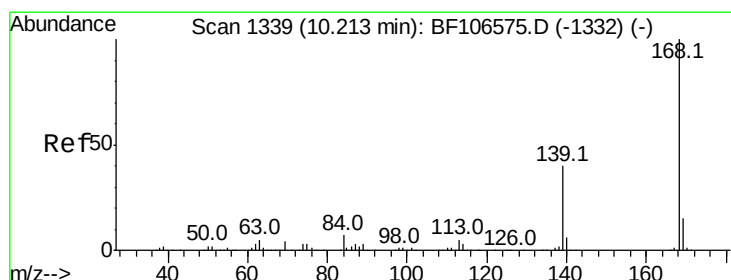
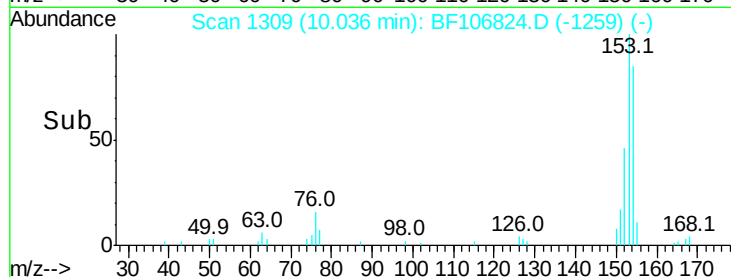
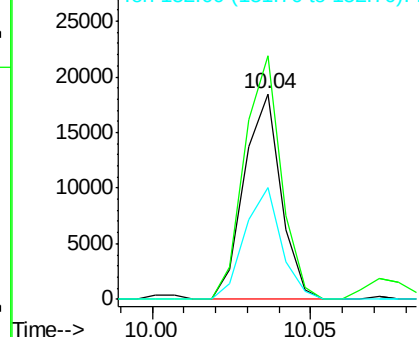
Tot Ion	Ratio	Lower	Upper
154	100		
153	118.3	91.2	136.8
152	54.0	43.8	65.8

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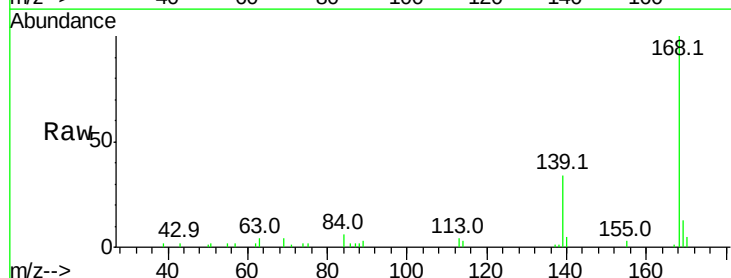


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

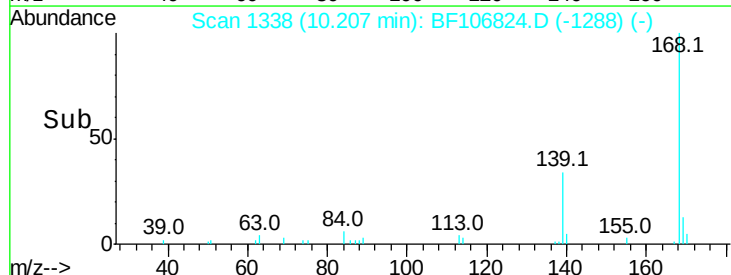
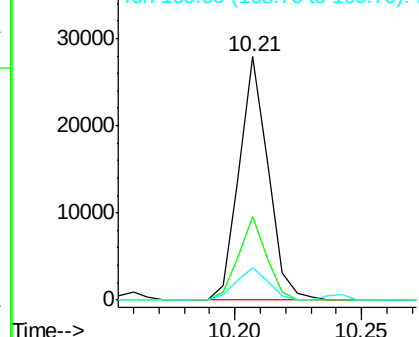


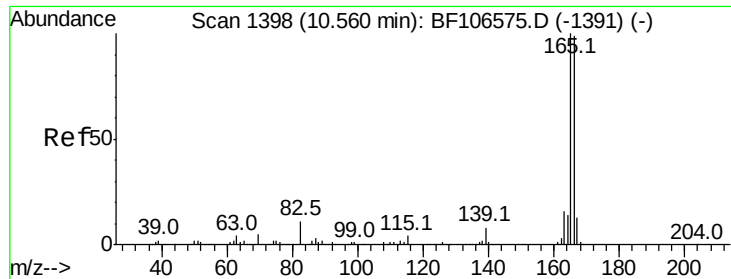
#54
Dibenzofuran
Concen: 3.576 ng
RT: 10.21 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BF106824.D
Acq: 26 Jun 2018 15:55

Tgt Ion	Ratio	Lower	Upper
168	100		
139	34.2	30.1	45.1
169	13.5	10.9	16.3



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





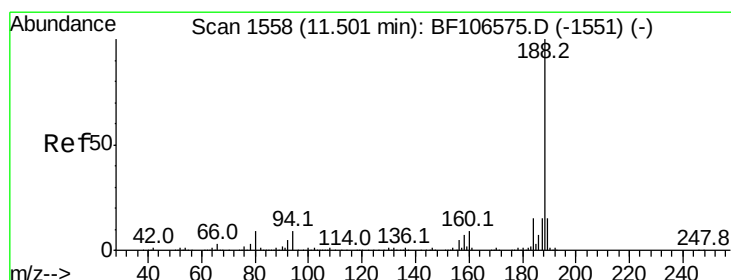
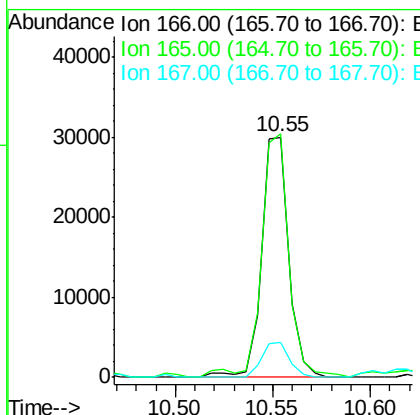
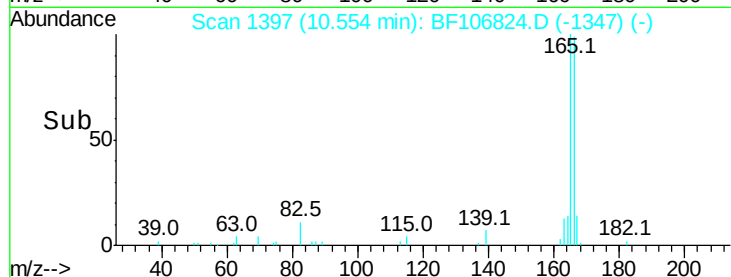
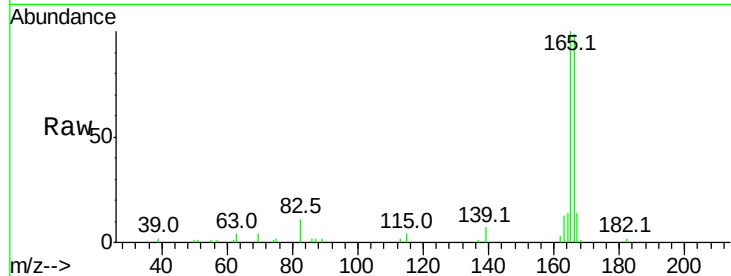
#57
 Fluorene
 Concen: 5.833 ng
 RT: 10.55 min Scan# 1397
 Delta R.T. -0.01 min
 Lab File: BF106824.D
 Acq: 26 Jun 2018 15:55

Instrument :
 BNA_F
 ClientSampleId :
 RO-9-13

Tot Ion	Ratio	Resp	Lower	Upper
166	100	28611		
165	101.5	79.8	119.8	
167	14.6	10.6	16.0	

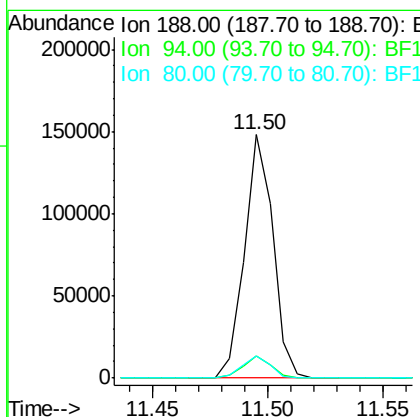
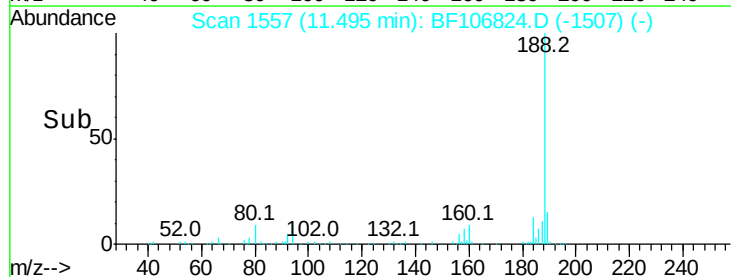
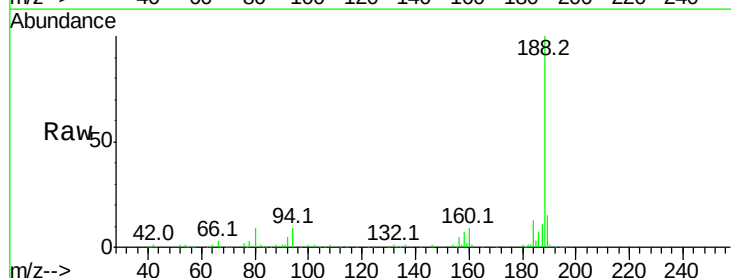
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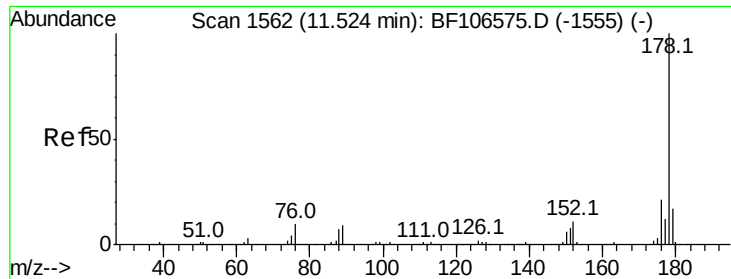
Sohil
 6/27/2018 2:14:07 PM



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: BF106824.D
 Acq: 26 Jun 2018 15:55

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	127779		
94	9.1	8.5	12.7	
80	9.3	9.2	13.8	





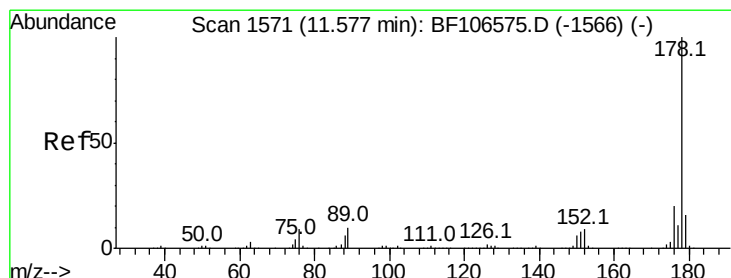
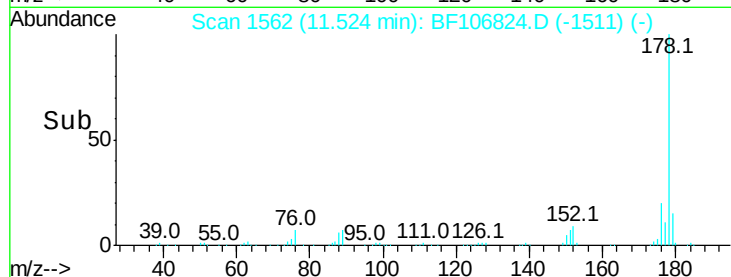
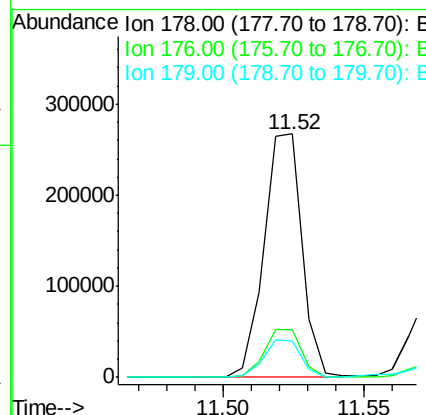
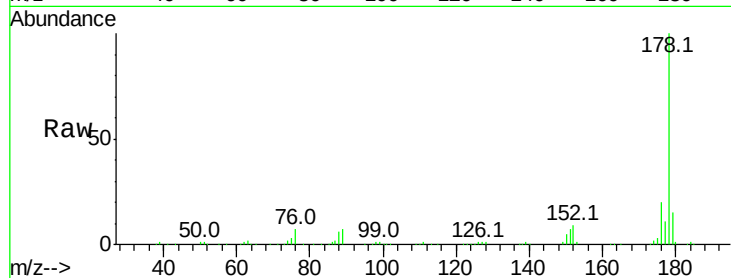
#70
 Phenanthrene
 Concen: 40.318 ng
 RT: 11.52 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: BF106824.D
 Acq: 26 Jun 2018 15:55

Instrument :
 BNA_F
 ClientSampleId :
 RO-9-13

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.8
179	14.9	13.0	19.6

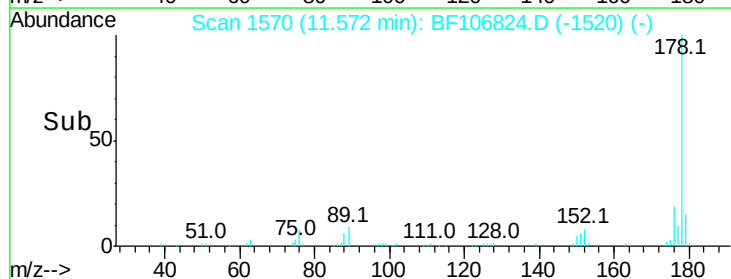
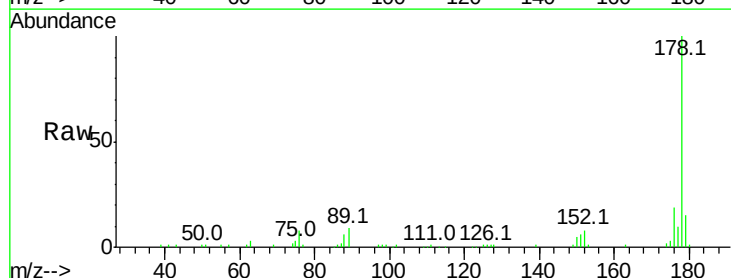
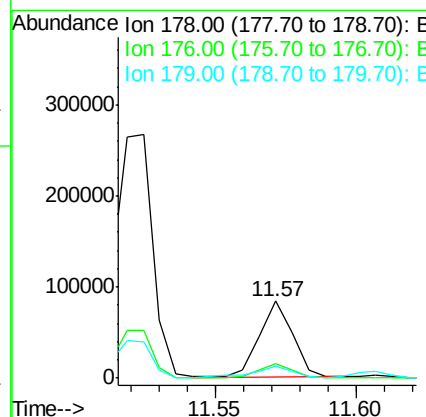
Manual Integrations
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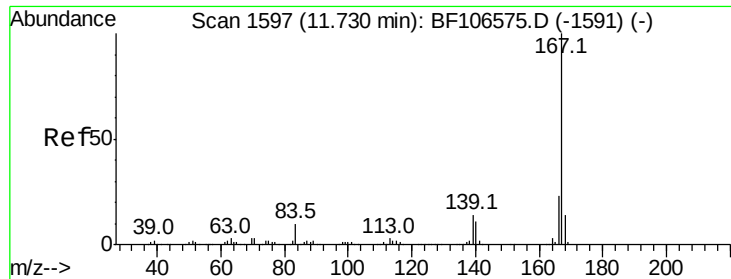
Sohil
 6/27/2018 2:14:07 PM



#71
 Anthracene
 Concen: 10.964 ng
 RT: 11.57 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BF106824.D
 Acq: 26 Jun 2018 15:55

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	15.3	12.6	19.0





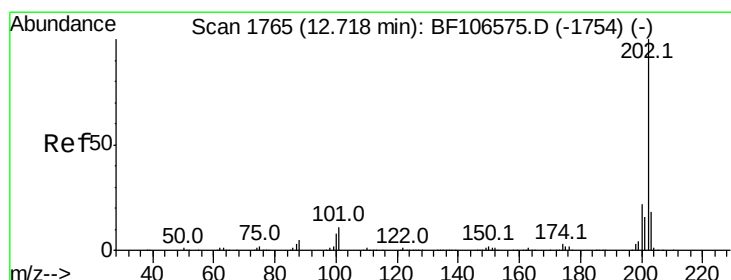
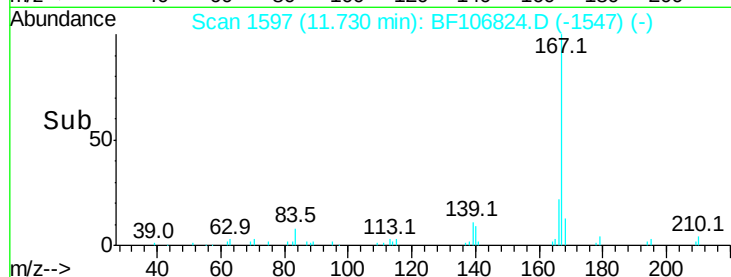
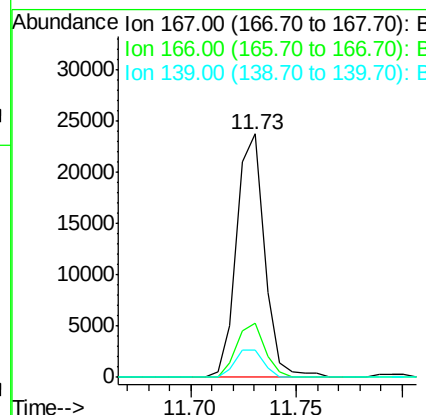
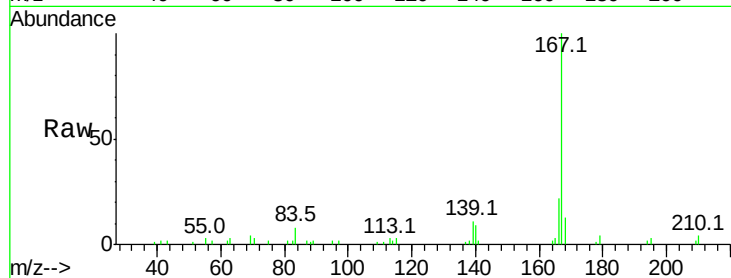
#72
 Carbazole
 Concen: 3.676 ng
 RT: 11.73 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF106824.D
 Acq: 26 Jun 2018 15:55

Instrument :
 BNA_F
 ClientSampleId :
 RO-9-13

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.6	26.4
139	11.4	10.9	16.3

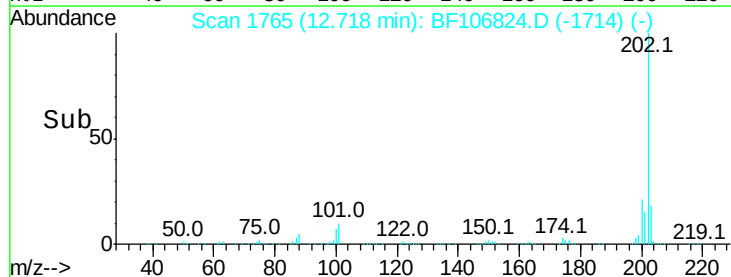
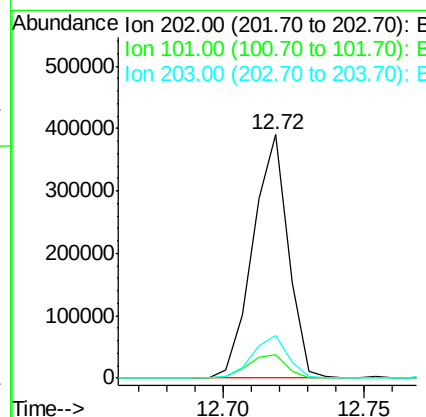
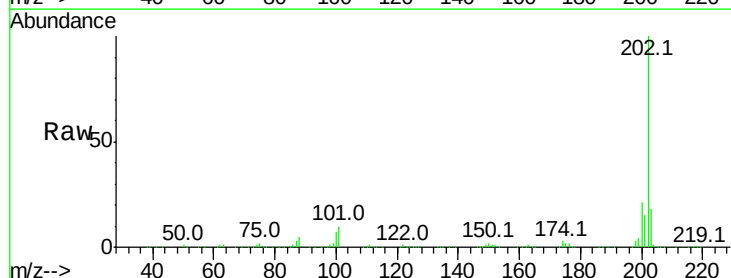
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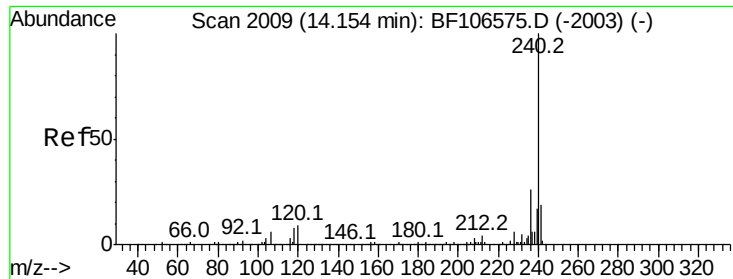
Sohil
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#74
 Fluoranthene
 Concen: 49.906 ng
 RT: 12.72 min Scan# 1765
 Delta R.T. -0.00 min
 Lab File: BF106824.D
 Acq: 26 Jun 2018 15:55

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	34.1
203	17.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2010

Delta R.T. -0.01 min

Lab File: BF106824.D

Acq: 26 Jun 2018 15:55

Instrument :

BNA_F

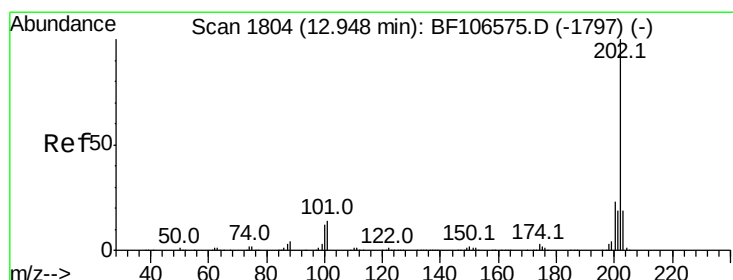
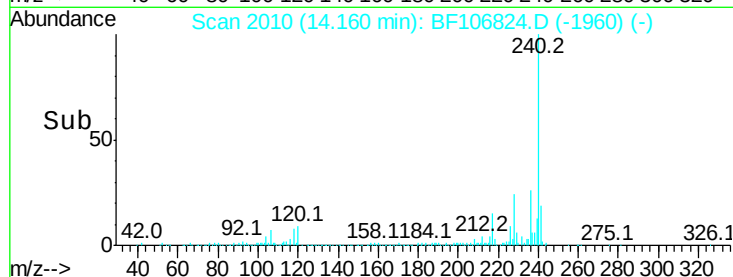
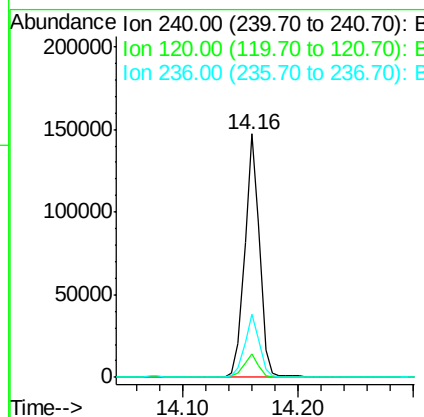
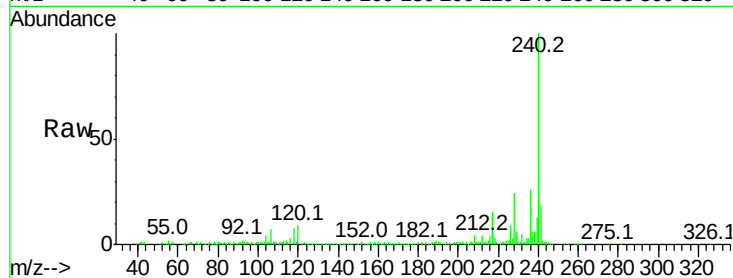
ClientSampleId :

RO-9-13

Tot Ion:	240	Resp:	131122
Ion Ratio	Lower	Upper	
240	100		
120	9.4	9.5	14.3#
236	26.0	20.7	31.1

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#77

Pyrene

Concen: 35.654 ng

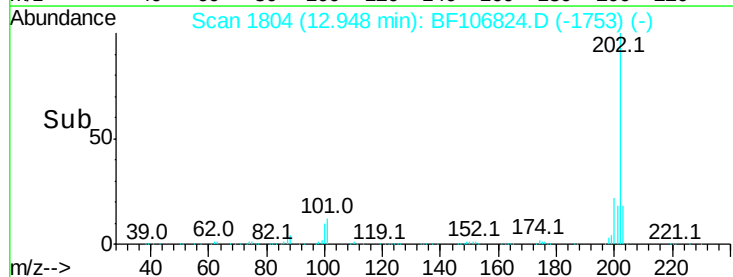
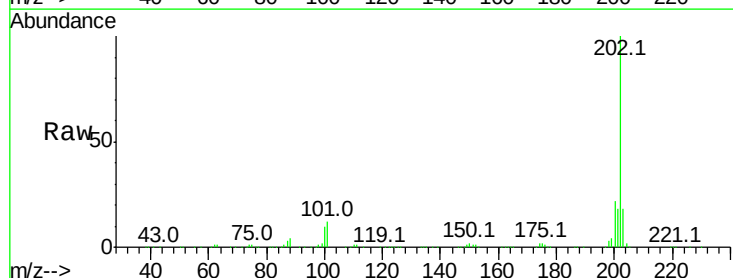
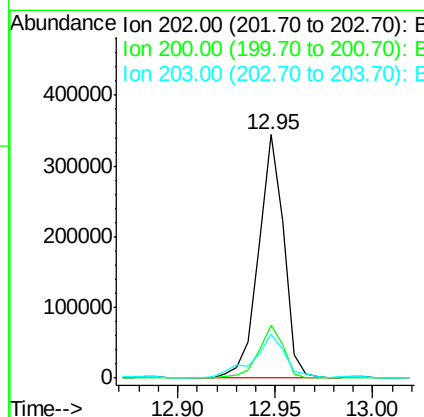
RT: 12.95 min Scan# 1804

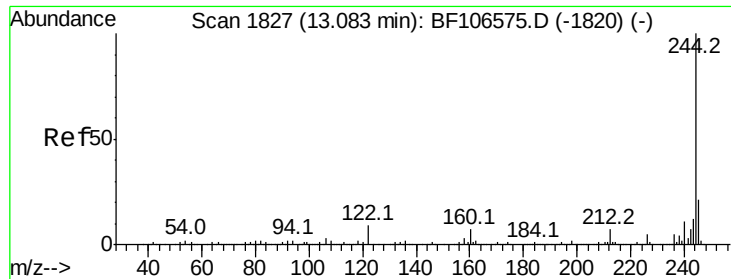
Delta R.T. -0.00 min

Lab File: BF106824.D

Acq: 26 Jun 2018 15:55

Tgt Ion:	202	Resp:	308282
Ion Ratio	Lower	Upper	
202	100		
200	21.7	17.4	26.2
203	18.3	14.3	21.5





#78

Terphenyl-d14

Concen: 66.988 ng

RT: 13.08 min Scan# 1827

Delta R.T. -0.00 min

Lab File: BF106824.D

Acq: 26 Jun 2018 15:55

Instrument :

BNA_F

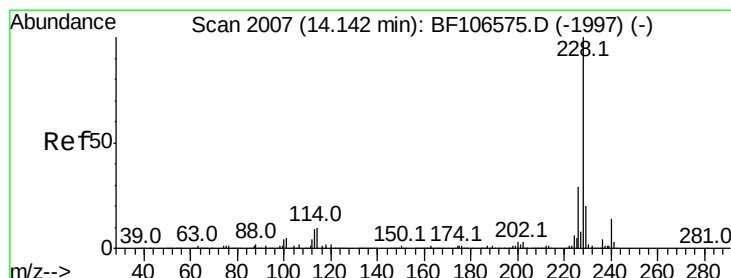
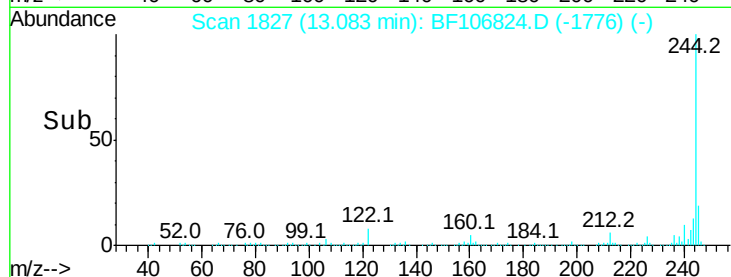
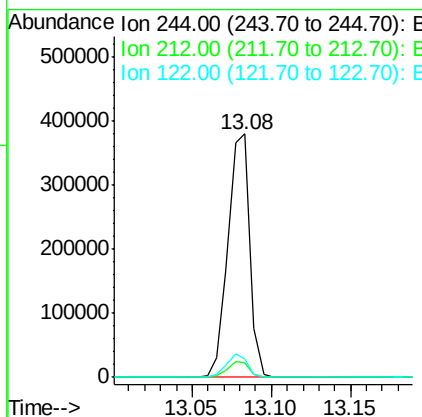
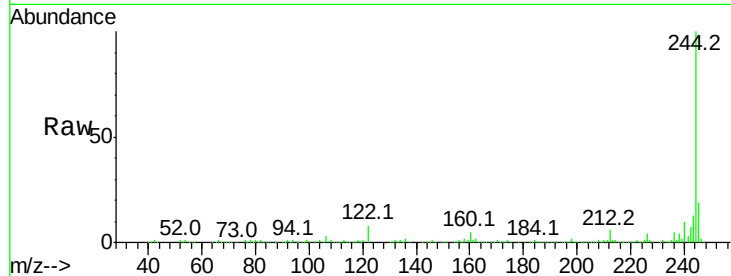
ClientSampled :

RO-9-13

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.1	5.4	8.0
122	7.5	11.0	16.4

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 22.398 ng

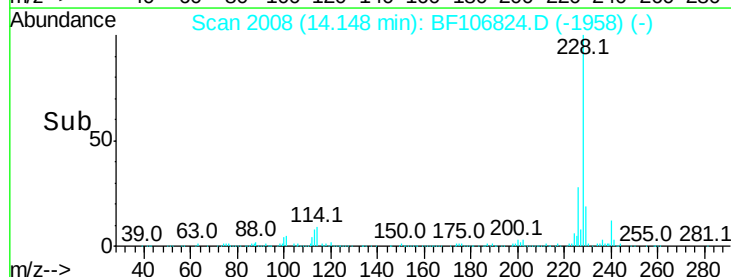
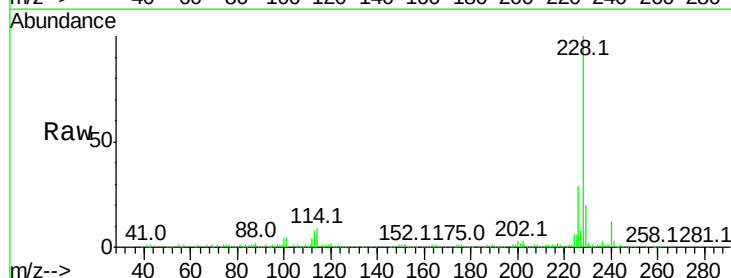
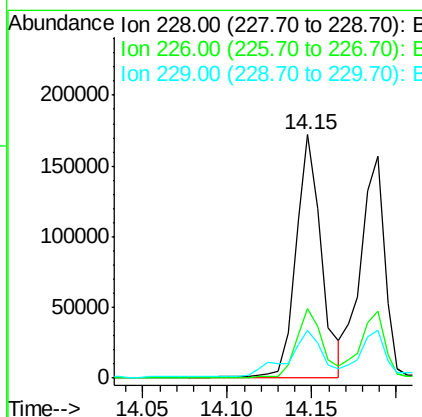
RT: 14.15 min Scan# 2008

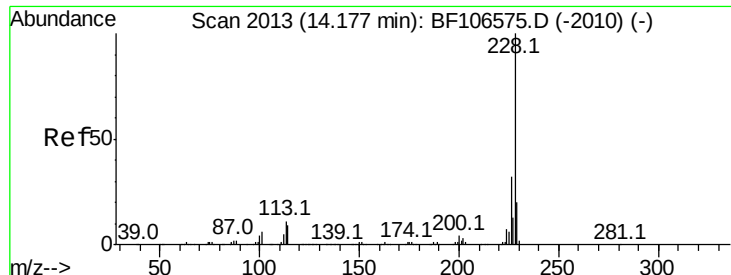
Delta R.T. -0.01 min

Lab File: BF106824.D

Acq: 26 Jun 2018 15:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.6	33.8
229	19.8	15.8	23.6





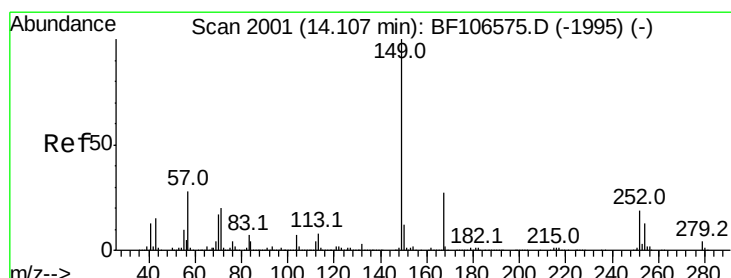
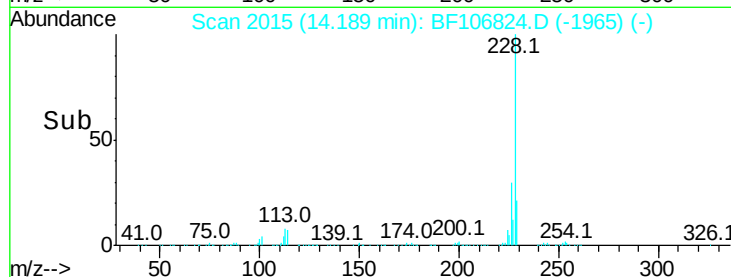
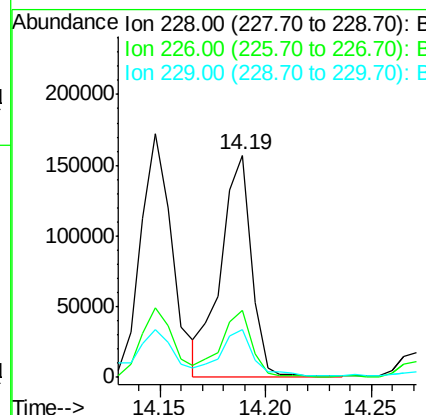
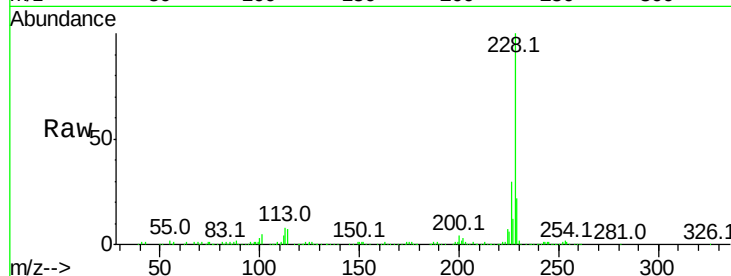
#82
Chrysene
Concen: 21.412 ng
RT: 14.19 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BF106824.D
Acq: 26 Jun 2018 15:55

Instrument :
BNA_F
ClientSampled :
RO-9-13

Tot Ion	Ratio	Resp	Lower	Upper
228	100	157423		
226	29.9	25.0	37.6	
229	21.5	16.2	24.4	

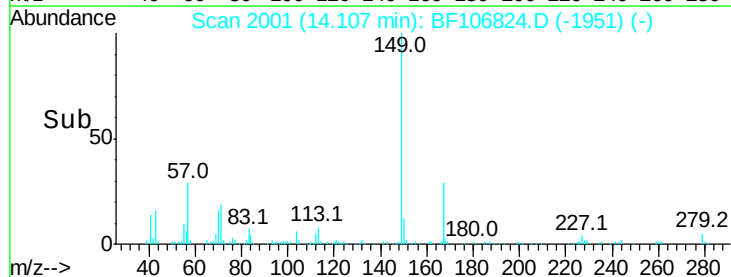
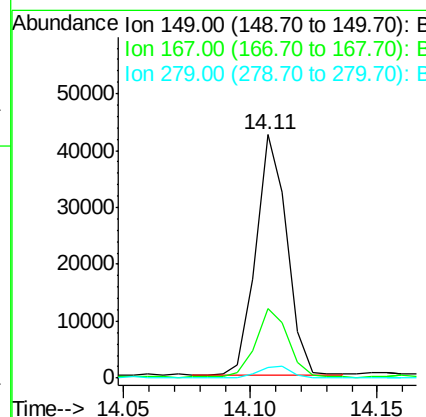
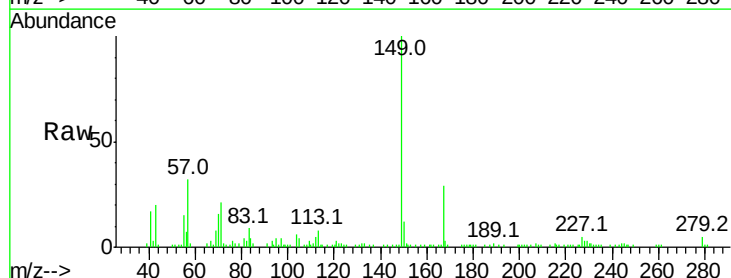
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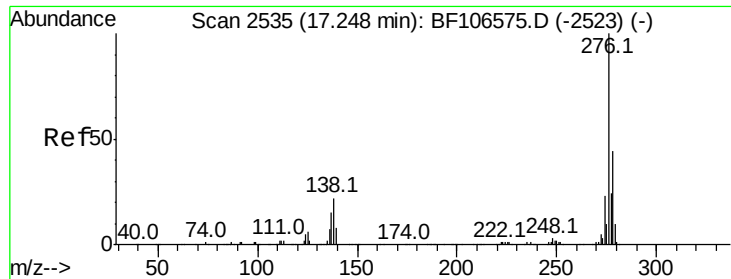
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#83
Bis(2-ethylhexyl)phthalate
Concen: 7.912 ng
RT: 14.11 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF106824.D
Acq: 26 Jun 2018 15:55

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	35958		
167	28.6	21.3	31.9	
279	4.6	3.0	4.4#	





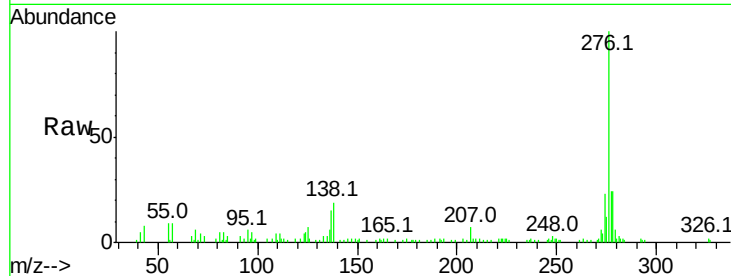
#85
Indeno(1,2,3-cd)pyrene
Concen: 8.951 ng
RT: 17.29 min Scan# 2543
Delta R.T. -0.01 min
Lab File: BF106824.D
Acq: 26 Jun 2018 15:55

Instrument :
BNA_F
ClientSampleId :
RO-9-13

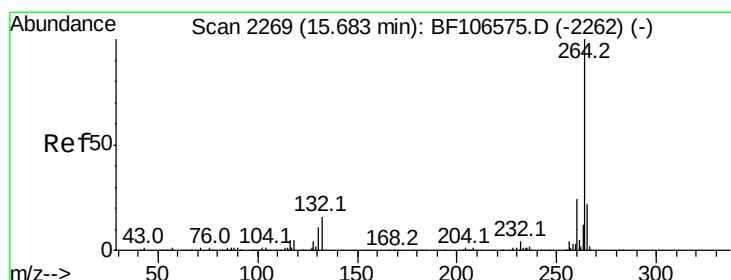
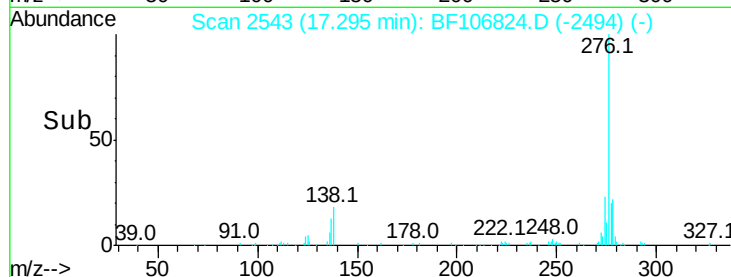
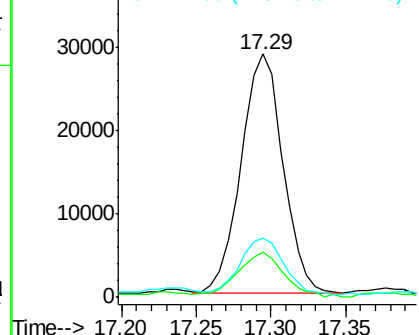
Tot Ion	Ratio	Lower	Upper
276	100		
138	21.3	25.0	37.6#
277	25.2	20.1	30.1

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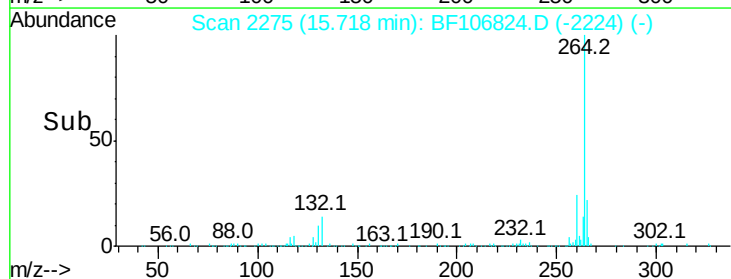
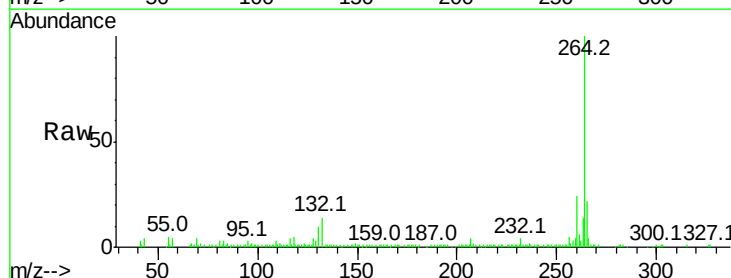
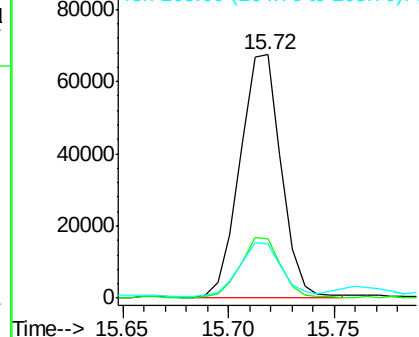
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

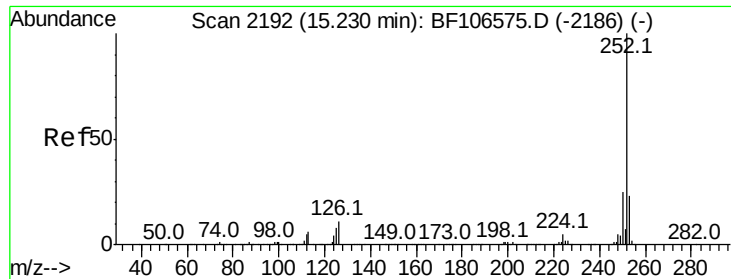


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.72 min Scan# 2275
Delta R.T. -0.00 min
Lab File: BF106824.D
Acq: 26 Jun 2018 15:55

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	22.2	17.5	26.3

Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





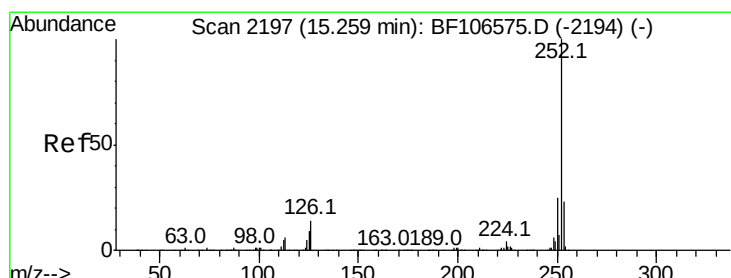
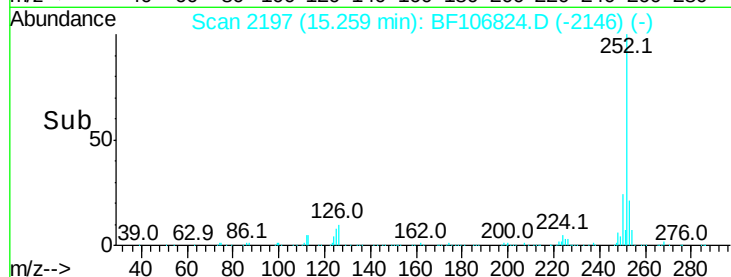
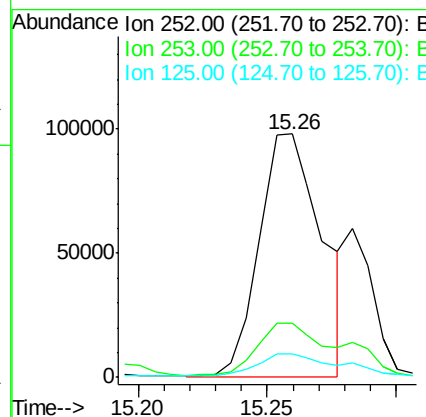
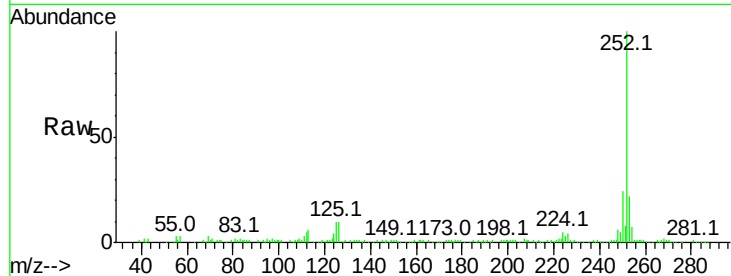
#87
Benzo(b)fluoranthene
Concen: 29.248 ng m
RT: 15.26 min Scan# 2197
Delta R.T. -0.00 min
Lab File: BF106824.D
Acq: 26 Jun 2018 15:55

Instrument :
BNA_F
ClientSampled :
RO-9-13

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.0	25.6
125	9.5	9.0	13.6

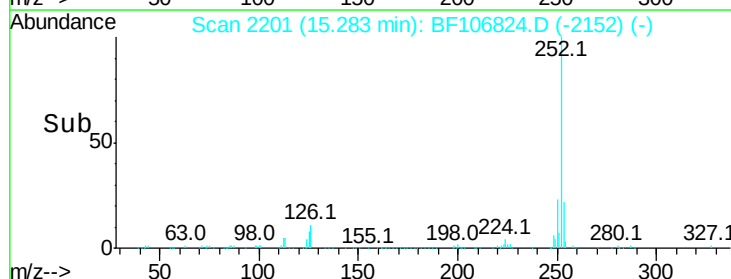
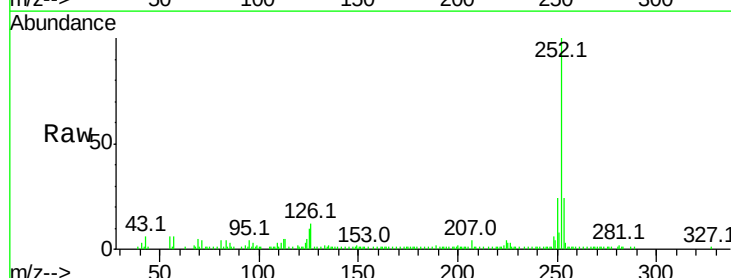
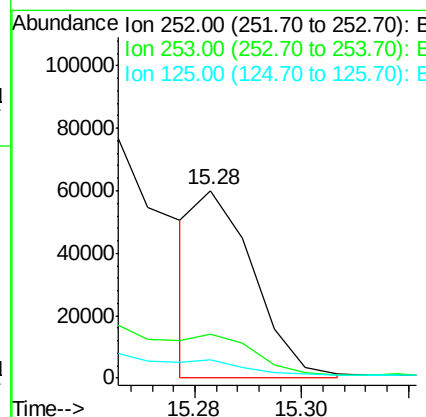
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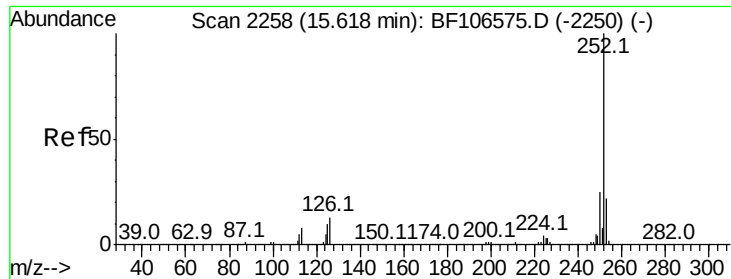
Sohil
6/27/2018 2:14:07 PM



#88
Benzo(k)fluoranthene
Concen: 8.166 ng m
RT: 15.28 min Scan# 2201
Delta R.T. -0.01 min
Lab File: BF106824.D
Acq: 26 Jun 2018 15:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	9.7	10.2	15.2#





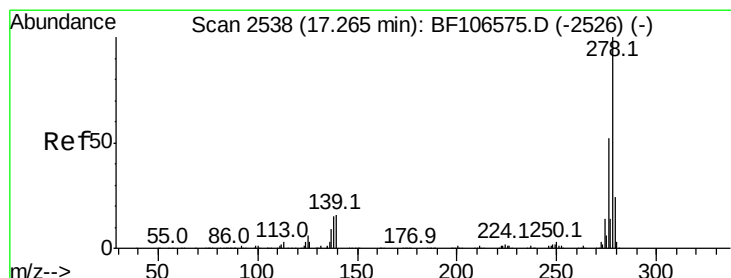
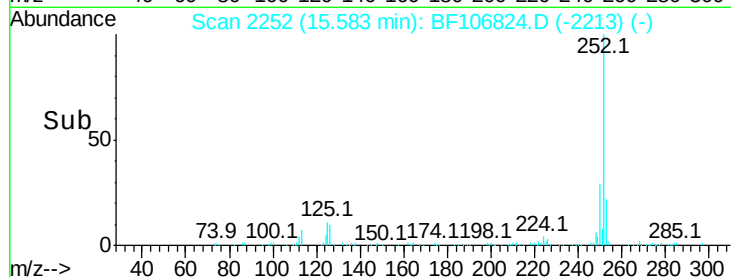
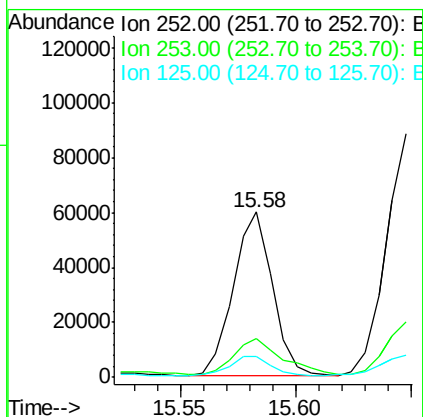
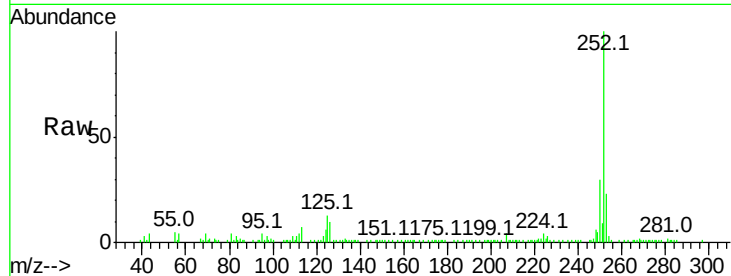
#89
Benzo(a)pyrene
Concen: 14.023 ng
RT: 15.58 min Scan# 2252
Delta R.T. -0.07 min
Lab File: BF106824.D
Acq: 26 Jun 2018 15:55

Instrument :
BNA_F
ClientSampleId :
RO-9-13

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	12.6	9.8	14.6

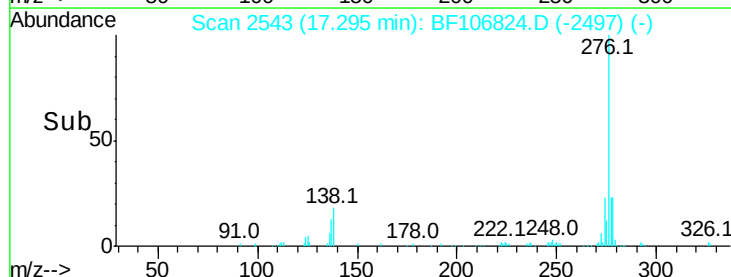
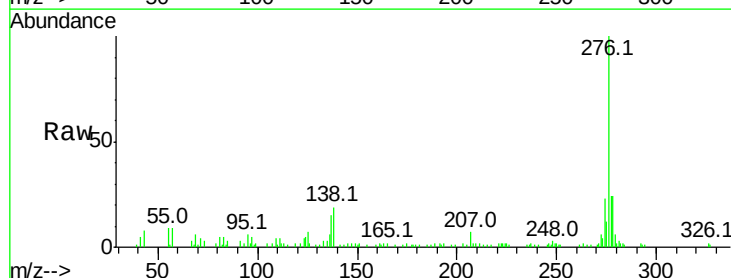
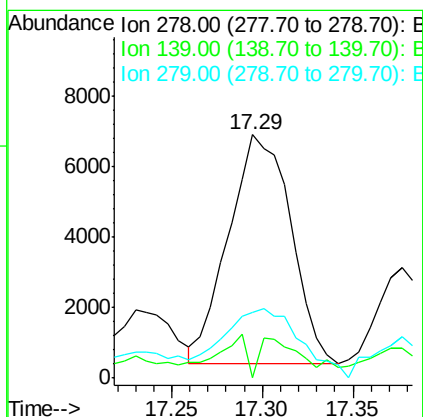
Manual Integrations
APPROVED

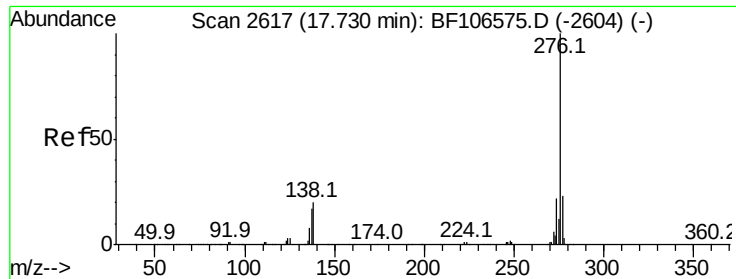
Sohil
6/27/2018 2:14:07 PM



#90
Dibenzo(a,h)anthracene
Concen: 3.608 ng
RT: 17.29 min Scan# 2543
Delta R.T. -0.03 min
Lab File: BF106824.D
Acq: 26 Jun 2018 15:55

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	26.8	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 13.348 ng
 RT: 17.78 min Scan# 2625
 Delta R.T. -0.01 min
 Lab File: BF106824.D
 Acq: 26 Jun 2018 15:55

Instrument :
 BNA_F
 ClientSampleId :
 RO-9-13

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.8	17.9	26.9
138	20.5	21.8	32.8#

Manual Integrations
 APPROVED

Sohil
 6/27/2018 2:14:07 PM

