

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090418\
 Data File : BF108758.D
 Acq On : 4 Sep 2018 23:05
 Operator : JU/SJ
 Sample : J4757-01
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-BR

Manual Integrations
 APPROVED

Sohil
 9/5/2018 12:47:58 PM

Quant Time: Sep 05 11:22:42 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 30 15:06:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	58158	20.00	ng	-0.01
21) Naphthalene-d8	8.27	136	232253	20.00	ng	-0.01
38) Acenaphthene-d10	10.03	164	118353	20.00	ng	-0.02
63) Phenanthrene-d10	11.53	188	265169	20.00	ng	-0.02
75) Chrysene-d12	14.18	240	197463	20.00	ng	-0.02
86) Perylene-d12	15.74	264	143653	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	67425m	20.14	ng	0.00
7) Phenol-d6	6.62	99	335201	69.91	ng	-0.02
23) Nitrobenzene-d5	7.56	82	255225	55.78	ng	-0.01
41) 2,4,6-Tribromophenol	10.83	330	28593	18.30	ng	-0.02
44) 2-Fluorobiphenyl	9.34	172	506340	57.52	ng	-0.02
78) Terphenyl-d14	13.11	244	600821	59.12	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.30	128	59516	5.380	ng	97
49) Dimethylphthalate	9.74	163	99911	10.720	ng	# 99
51) Acenaphthene	10.07	154	41264	5.844	ng	97
54) Dibenzofuran	10.25	168	48364	4.377	ng	97
57) Fluorene	10.58	166	43343	5.062	ng	99
70) Phenanthrene	11.55	178	275456	20.580	ng	98
71) Anthracene	11.61	178	69753	4.960	ng	98
74) Fluoranthene	12.75	202	234282	15.551	ng	96
77) Pyrene	12.98	202	158714	10.692	ng	98
80) Benzo(a)anthracene	14.18	228	43871	3.644	ng	98
82) Chrysene	14.21	228	31045	2.682	ng	95
83) Bis(2-ethylhexyl)phthalate	14.12	149	22188	2.766	ng	# 98
87) Benzo(b)fluoranthene	15.28	252	25445m	2.883	ng	
89) Benzo(a)pyrene	15.68	252	18836	2.362	ng	# 85

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

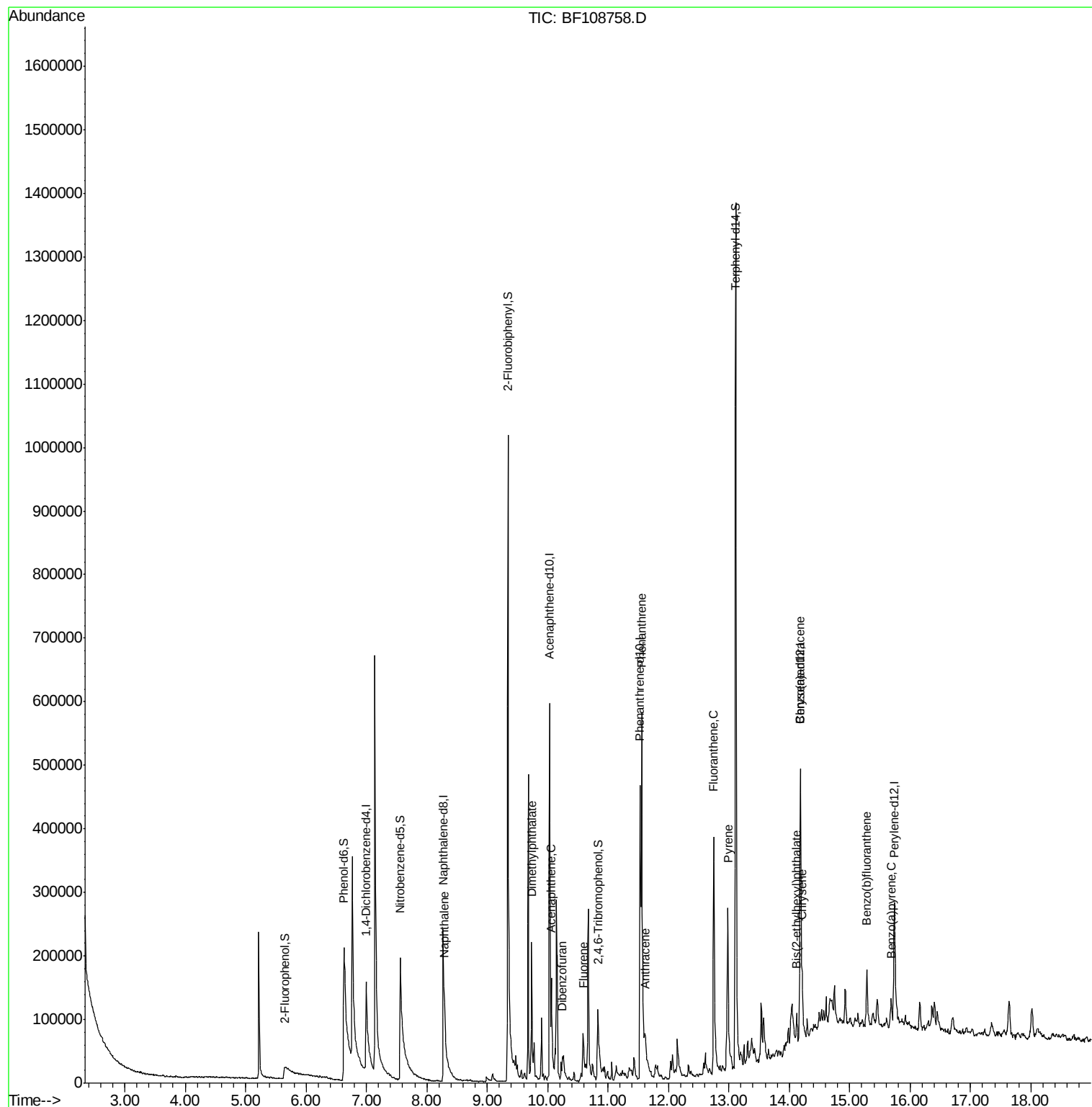
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090418\
Data File : BF108758.D
Acq On : 4 Sep 2018 23:05
Operator : JU/SJ
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ALS Vial : 26 Sample Multiplier: 1

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#1

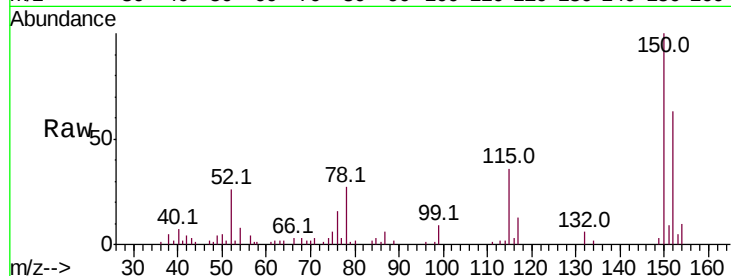
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF108758.D
Acq: 4 Sep 2018 23:05

Instrument :
BNA_F
ClientSampled :
WC-BR

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.4	124.6	186.8
115	57.7	50.1	75.1

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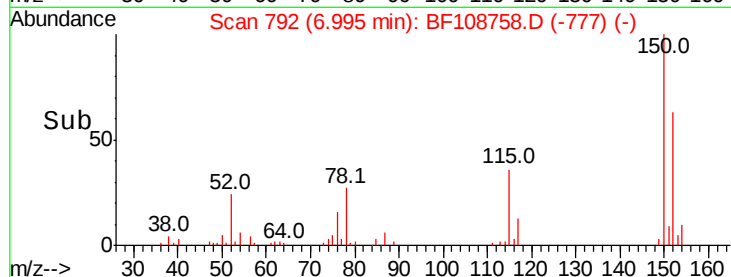
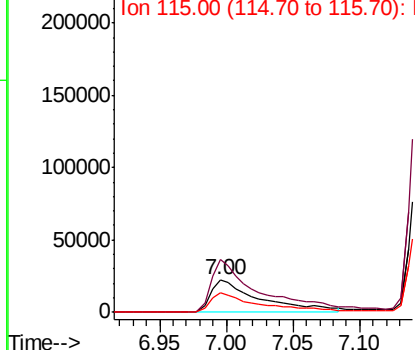


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

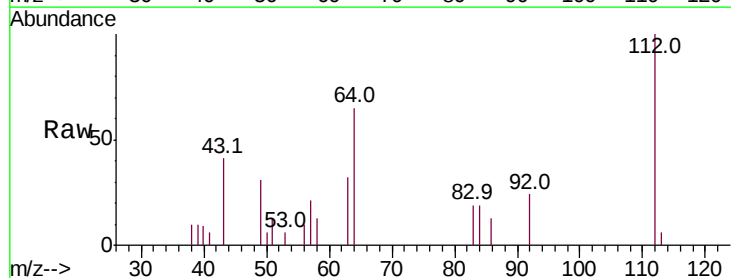
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 20.140 ng m
RT: 5.65 min Scan# 563
Delta R.T. 0.00 min
Lab File: BF108758.D
Acq: 4 Sep 2018 23:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.4	47.9	71.9
63	31.8	23.7	35.5

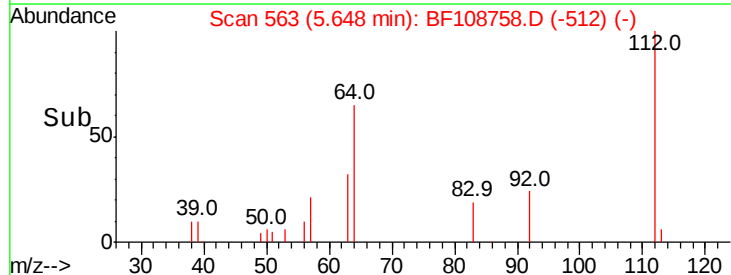
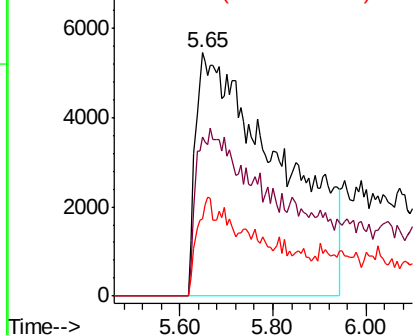


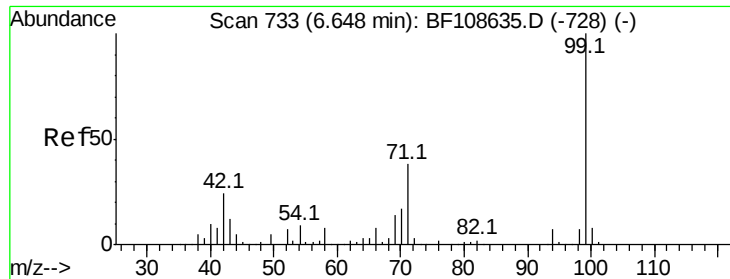
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 69.908 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.02 min

Lab File: BF108758.D

Acq: 4 Sep 2018 23:05

Instrument :

BNA_F

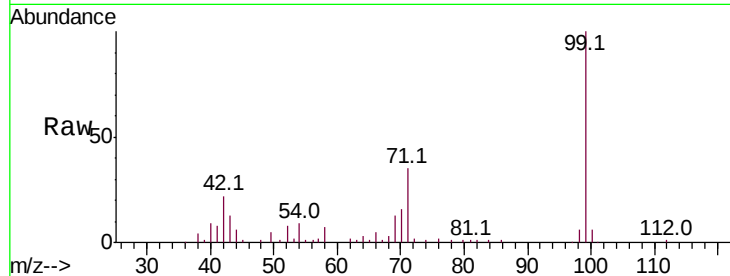
ClientSampleId :

WC-BR

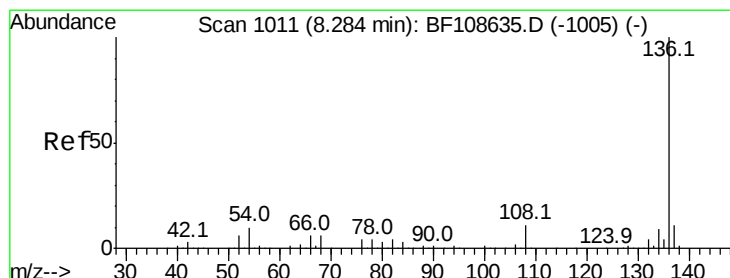
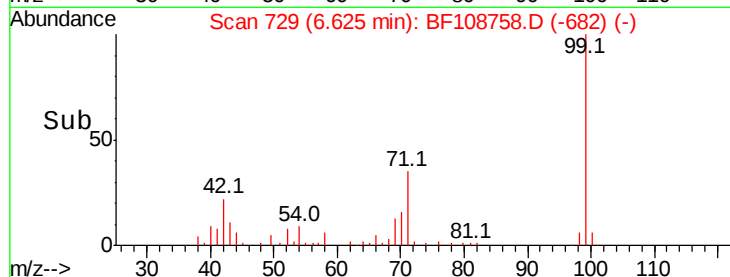
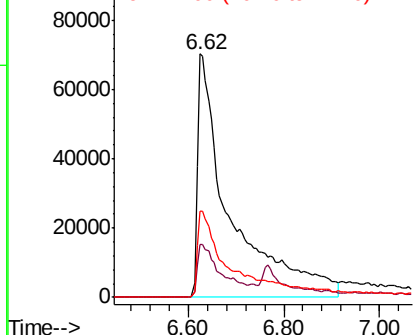
Tot Ion:	99	Resp:	335201
Ion Ratio	Lower	Upper	
99	100		
42	21.6	14.5	21.7
71	35.4	25.4	38.0

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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: 8.27 min Scan# 1009

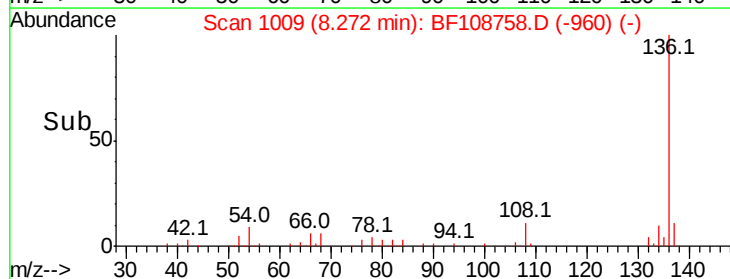
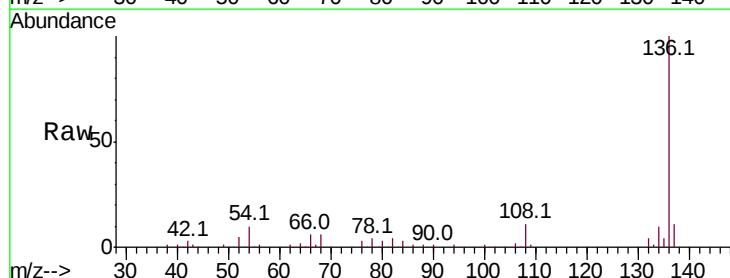
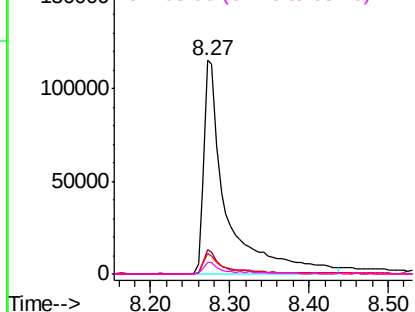
Delta R.T. -0.01 min

Lab File: BF108758.D

Acq: 4 Sep 2018 23:05

Tgt Ion:	136	Resp:	232253
Ion Ratio	Lower	Upper	
136	100		
137	11.5	8.9	13.3
54	9.8	6.6	9.8
68	5.6	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





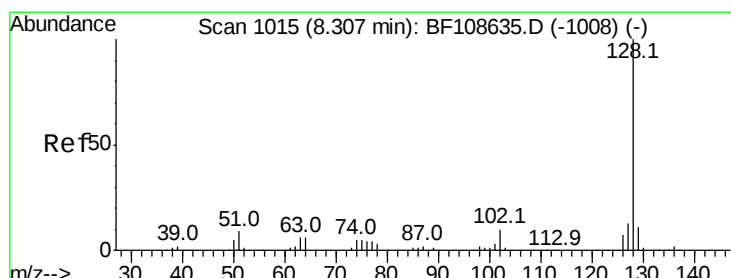
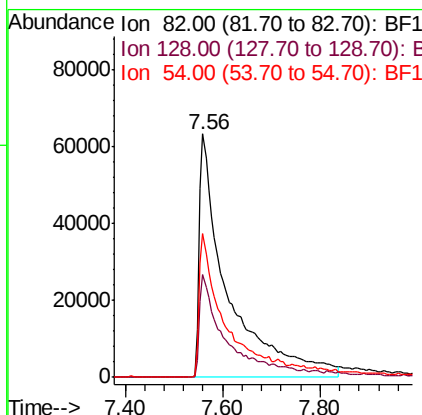
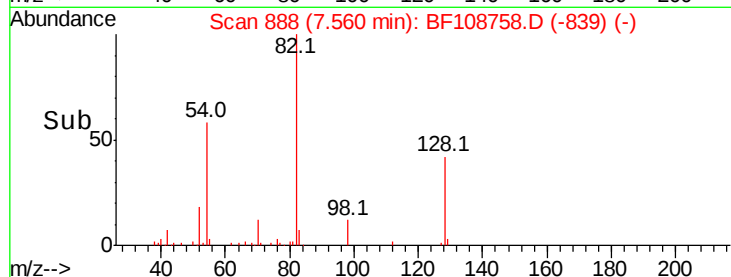
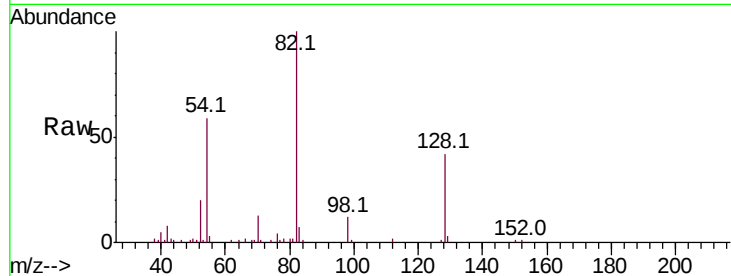
#23
Nitrobenzene-d5
Concen: 55.779 ng
RT: 7.56 min Scan# 888
Delta R.T. -0.01 min
Lab File: BF108758.D
Acq: 4 Sep 2018 23:05

Instrument :
BNA_F
ClientSampleId :
WC-BR

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.4	36.1	54.1
54	59.1	41.4	62.2

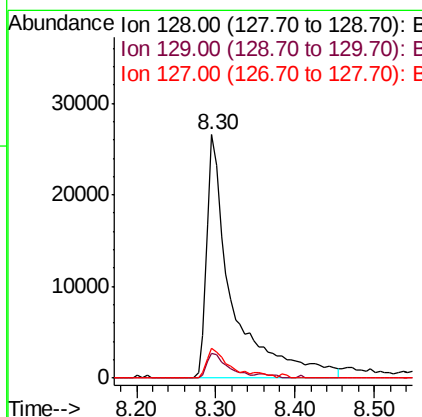
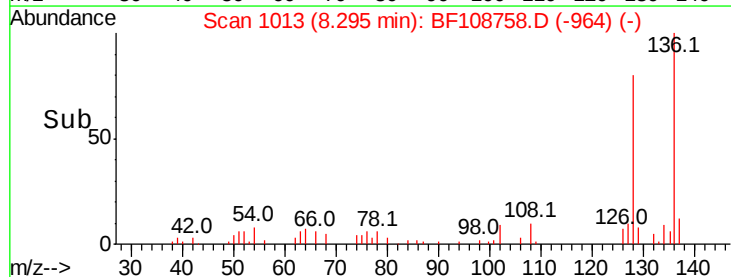
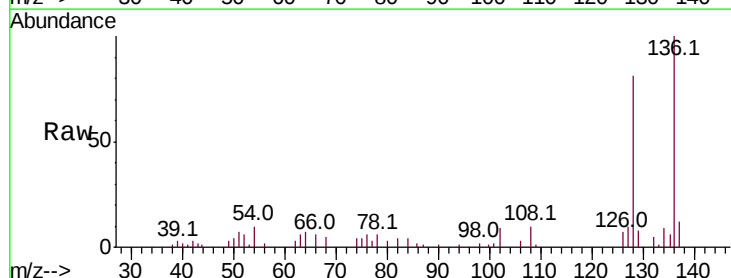
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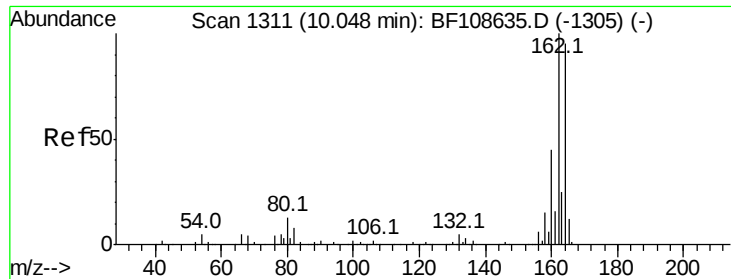
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#31
Naphthalene
Concen: 5.380 ng
RT: 8.30 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BF108758.D
Acq: 4 Sep 2018 23:05

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.4	8.8	13.2
127	12.3	10.9	16.3





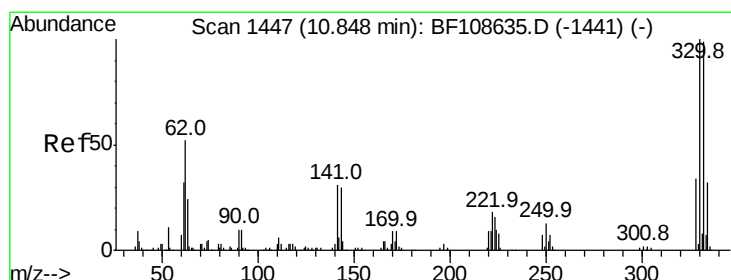
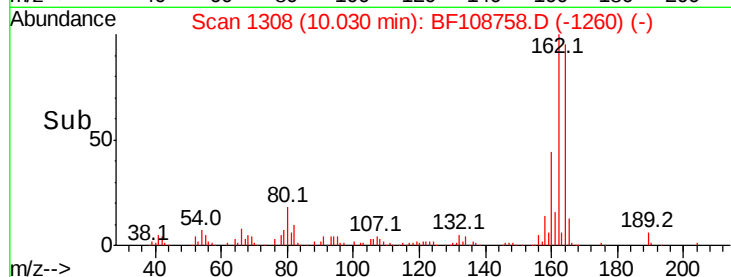
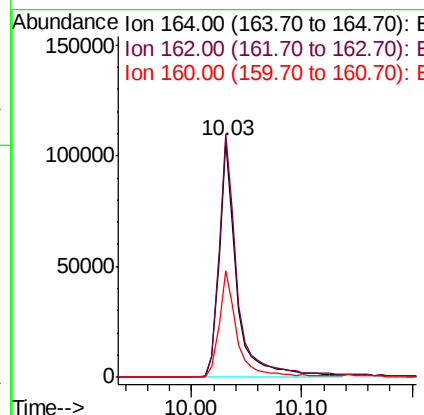
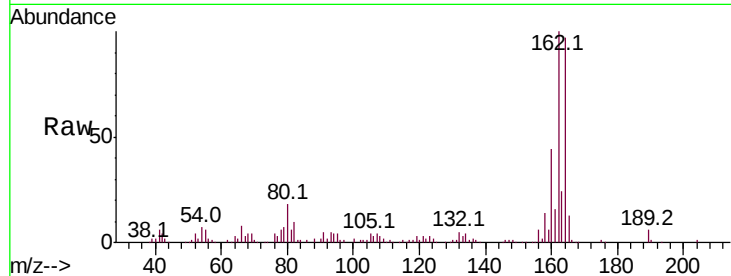
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.03 min Scan# 1308
Delta R.T. -0.02 min
Lab File: BF108758.D
Acq: 4 Sep 2018 23:05

Instrument :
BNA_F
ClientSampled :
WC-BR

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.2	86.1	129.1	
160	45.4	38.3	57.5	

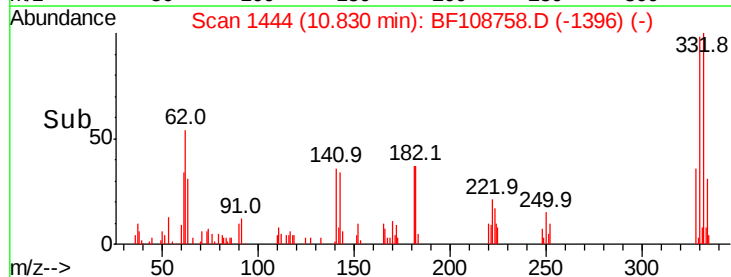
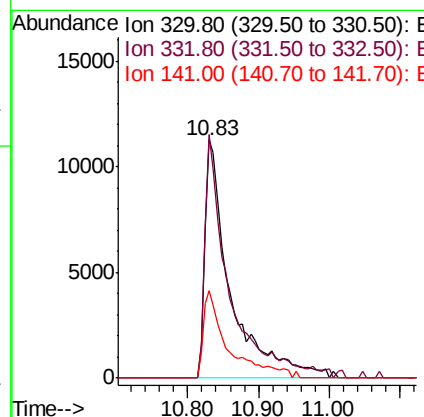
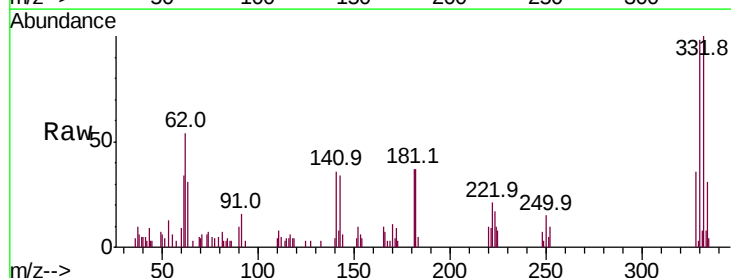
Manual Integrations
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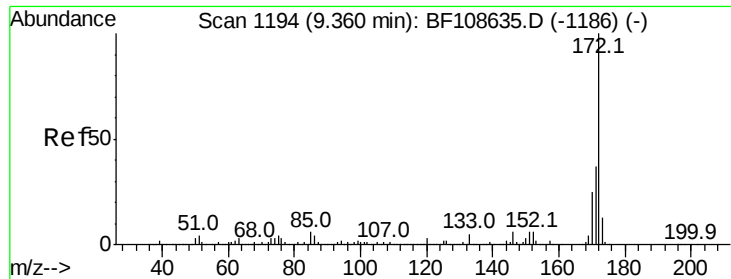
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#41
2,4,6-Tribromophenol
Concen: 18.301 ng
RT: 10.83 min Scan# 1444
Delta R.T. -0.02 min
Lab File: BF108758.D
Acq: 4 Sep 2018 23:05

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.2	77.0	115.6	
141	35.6	29.9	44.9	





#44

2-Fluorobiphenyl

Concen: 57.524 ng

RT: 9.34 min Scan# 1191

Delta R.T. -0.02 min

Lab File: BF108758.D

Acq: 4 Sep 2018 23:05

Instrument :

BNA_F

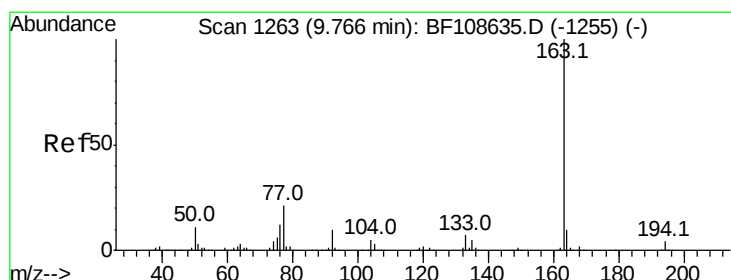
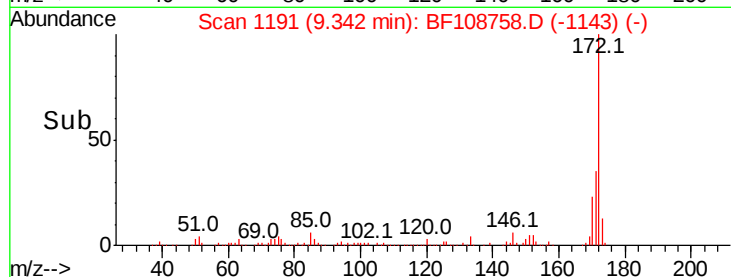
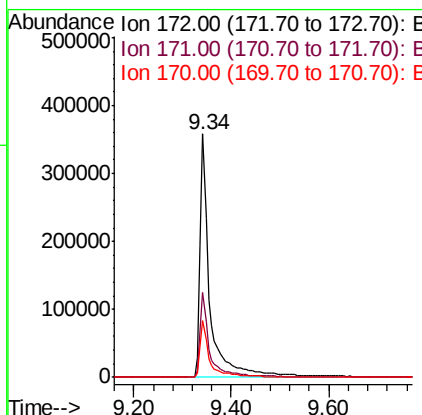
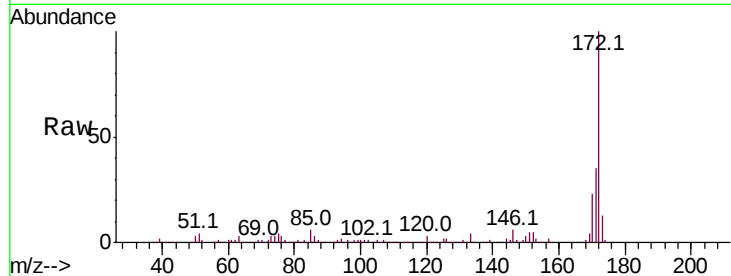
ClientSampled :

WC-BR

Tot Ion:	172	Resp:	506340
Ion Ratio	Lower	Upper	
172	100		
171	34.9	29.7	44.5
170	23.3	19.6	29.4

Manual Integrations
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#49

Dimethylphthalate

Concen: 10.720 ng

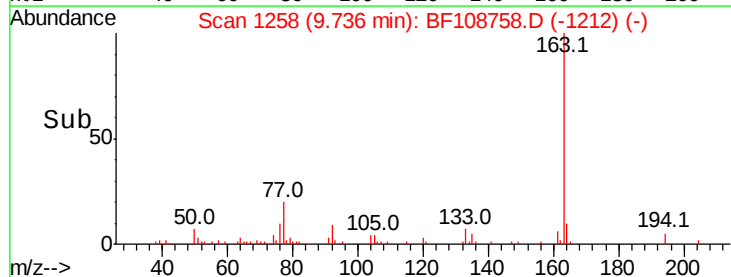
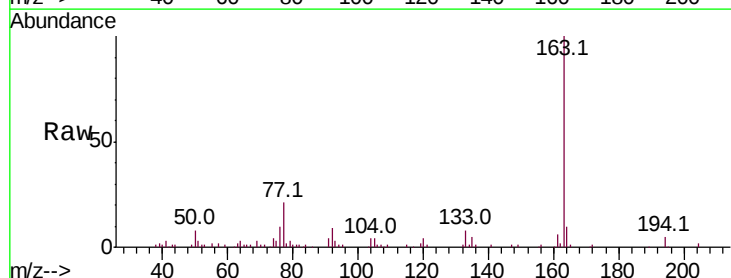
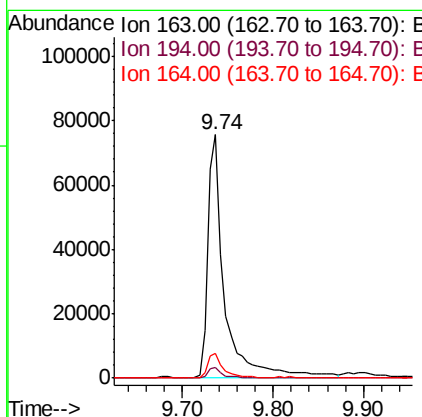
RT: 9.74 min Scan# 1258

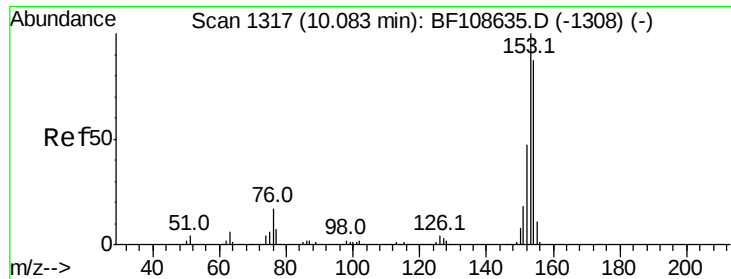
Delta R.T. -0.03 min

Lab File: BF108758.D

Acq: 4 Sep 2018 23:05

Tgt Ion:	163	Resp:	99911
Ion Ratio	Lower	Upper	
163	100		
194	4.6	2.7	4.1#
164	10.0	8.2	12.2





#51

Acenaphthene

Concen: 5.844 ng

RT: 10.07 min Scan# 1314

Delta R.T. -0.02 min

Lab File: BF108758.D

Acq: 4 Sep 2018 23:05

Instrument :

BNA_F

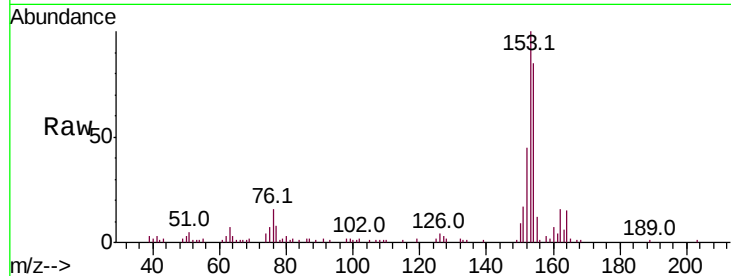
ClientSampleId :

WC-BR

Tot Ion:	154	Resp:	41264
Ion	Ratio	Lower	Upper
154	100		
153	117.9	91.2	136.8
152	53.1	43.8	65.8

Manual Integrations
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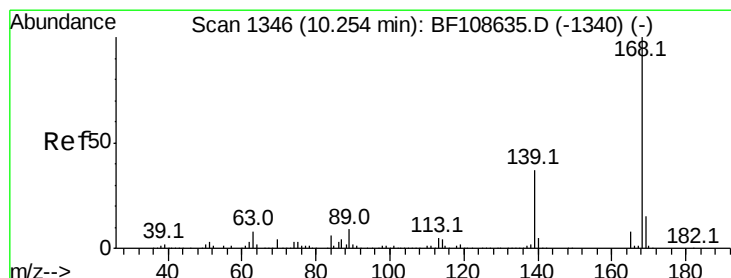
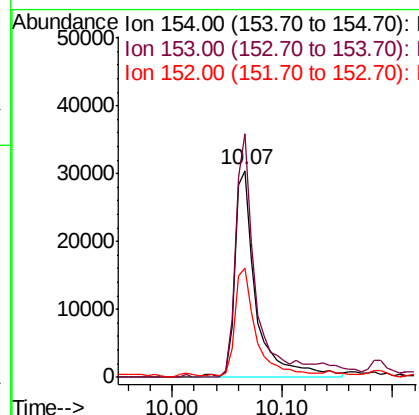
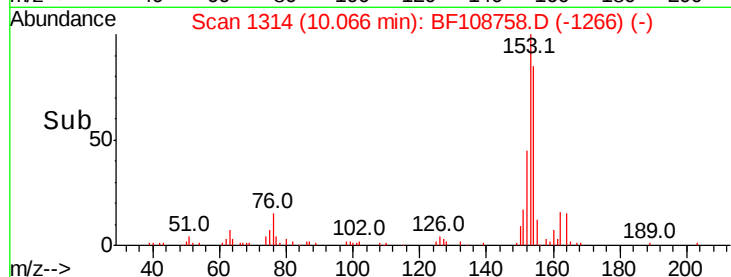


Abundance

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: 4.377 ng

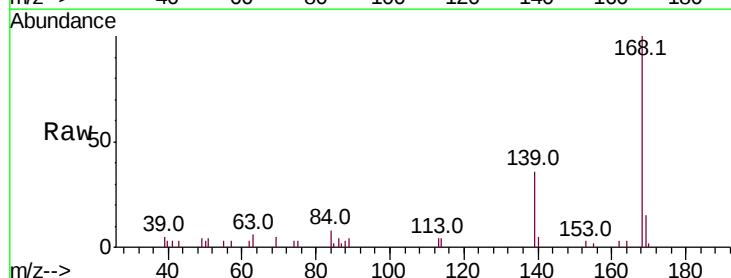
RT: 10.25 min Scan# 1345

Delta R.T. -0.01 min

Lab File: BF108758.D

Acq: 4 Sep 2018 23:05

Tgt Ion:	168	Resp:	48364
Ion	Ratio	Lower	Upper
168	100		
139	36.0	30.1	45.1
169	14.6	10.9	16.3

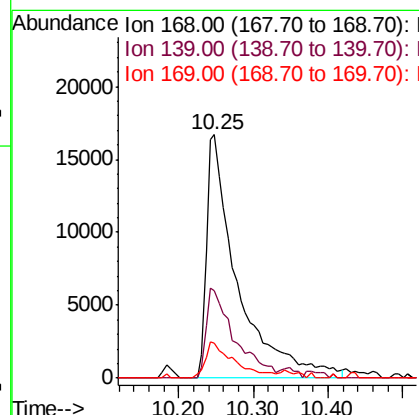
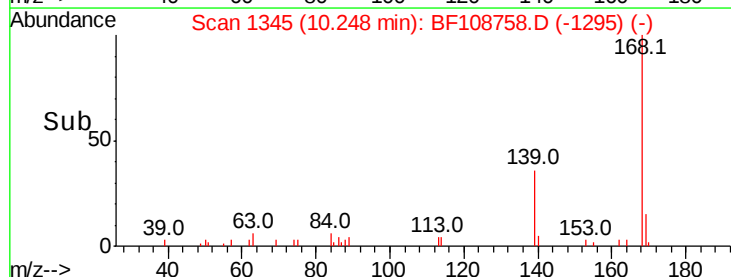


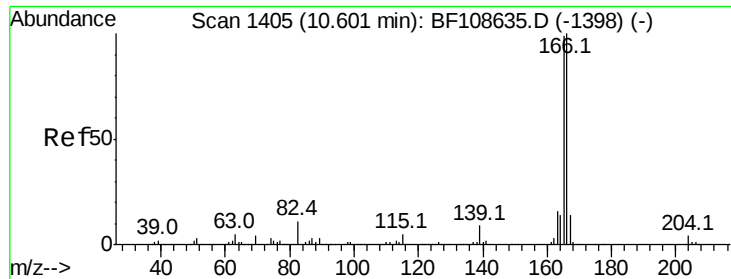
Abundance

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





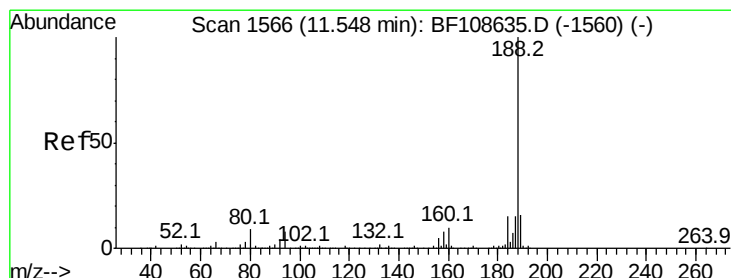
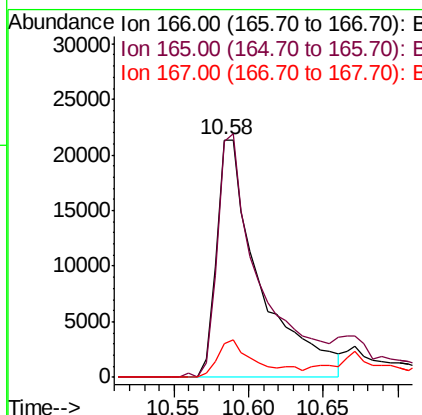
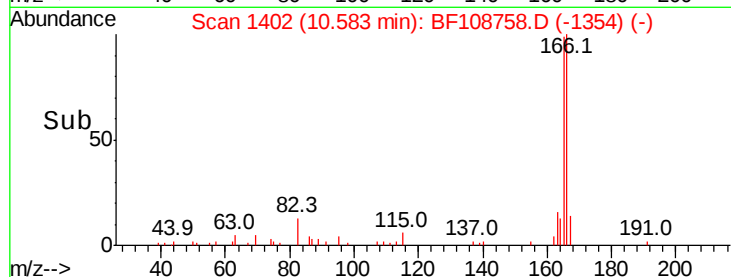
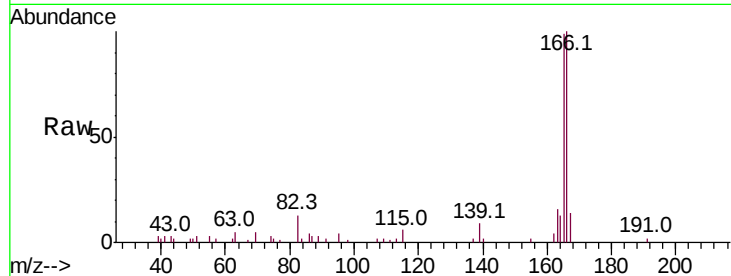
#57
Fluorene
 Concen: 5.062 ng
 RT: 10.58 min Scan# 1402
 Delta R.T. -0.02 min
 Lab File: BF108758.D
 Acq: 4 Sep 2018 23:05

Instrument :
 BNA_F
 ClientSampled :
 WC-BR

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.5	79.8	119.8
167	14.1	10.6	16.0

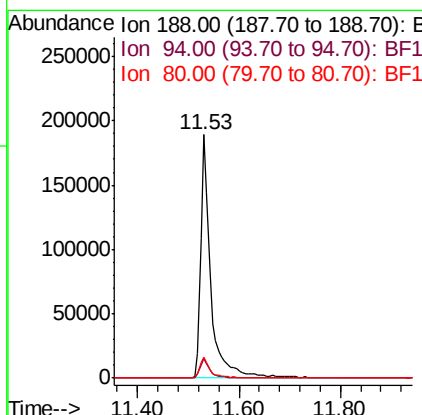
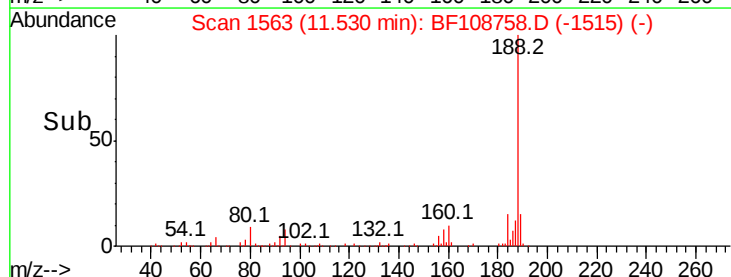
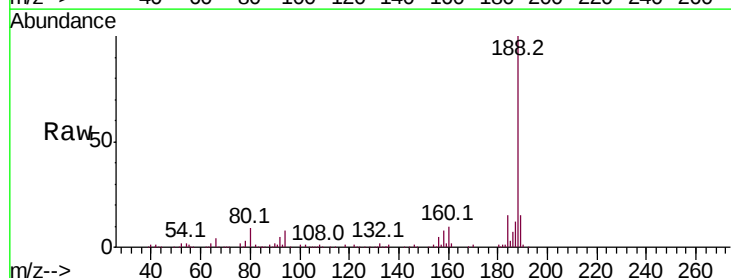
Manual Integrations
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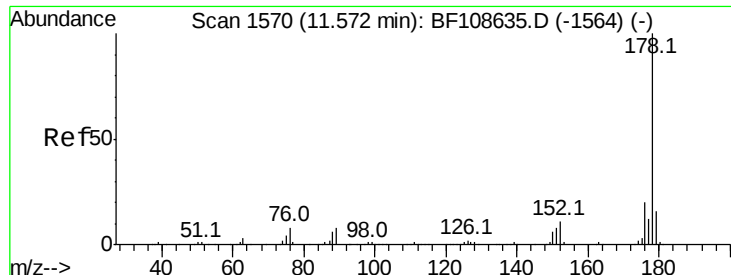
Sohil
 9/5/2018 12:47:58 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.53 min Scan# 1563
 Delta R.T. -0.02 min
 Lab File: BF108758.D
 Acq: 4 Sep 2018 23:05

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.2	8.5	12.7#
80	8.7	9.2	13.8#





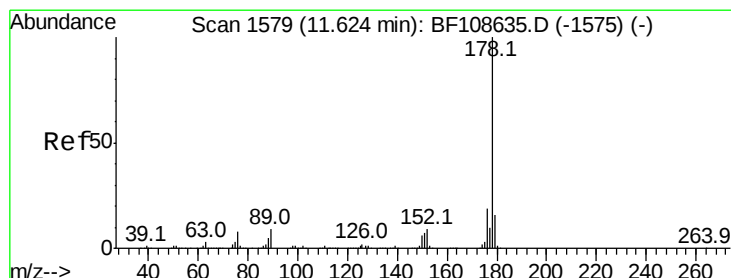
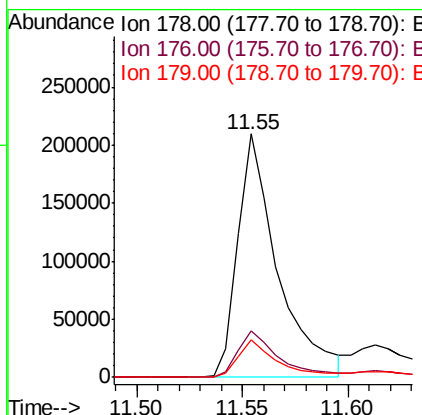
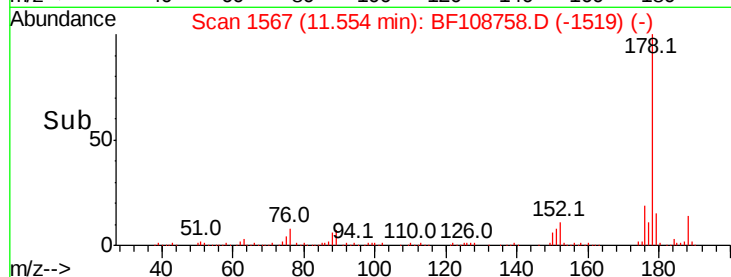
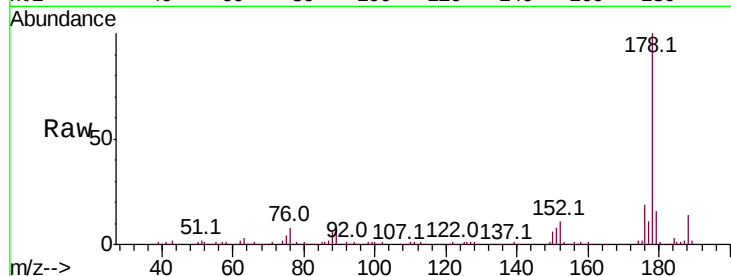
#70
Phenanthrene
Concen: 20.580 ng
RT: 11.55 min Scan# 1567
Delta R.T. -0.02 min
Lab File: BF108758.D
Acq: 4 Sep 2018 23:05

Instrument :
BNA_F
ClientSampled :
WC-BR

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	15.5	13.0	19.6

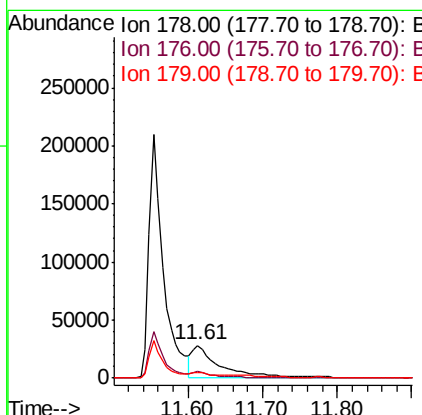
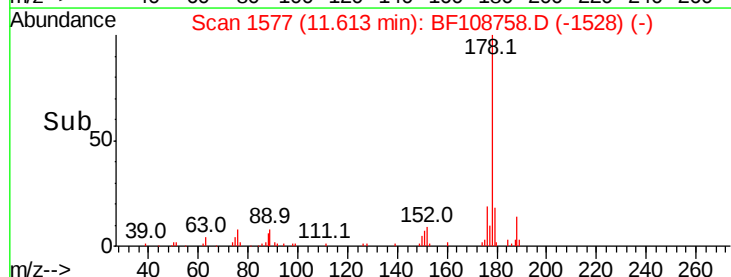
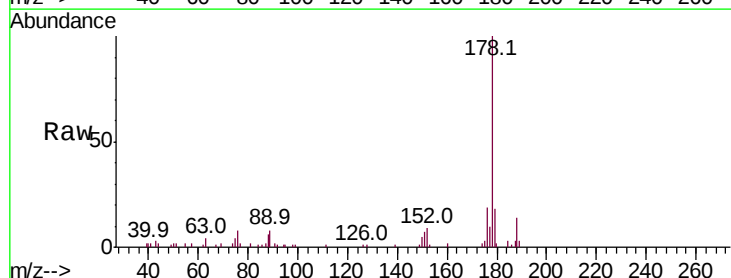
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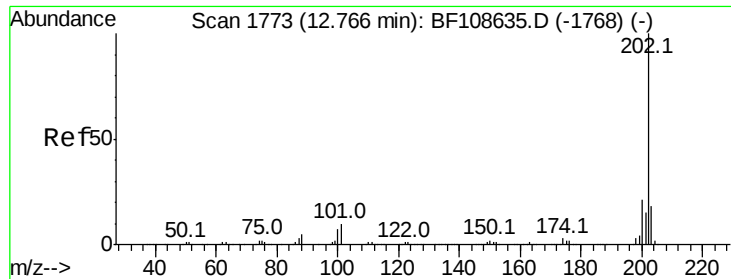
Sohil
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#71
Anthracene
Concen: 4.960 ng
RT: 11.61 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF108758.D
Acq: 4 Sep 2018 23:05

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	17.9	12.6	19.0





#74

Fluoranthene

Concen: 15.551 ng

RT: 12.75 min Scan# 1770

Delta R.T. -0.02 min

Lab File: BF108758.D

Acq: 4 Sep 2018 23:05

Instrument :

BNA_F

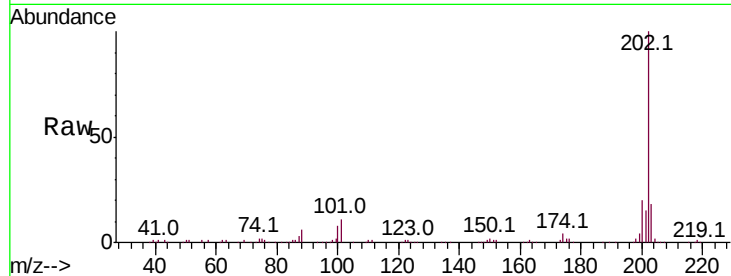
ClientSampleId :

WC-BR

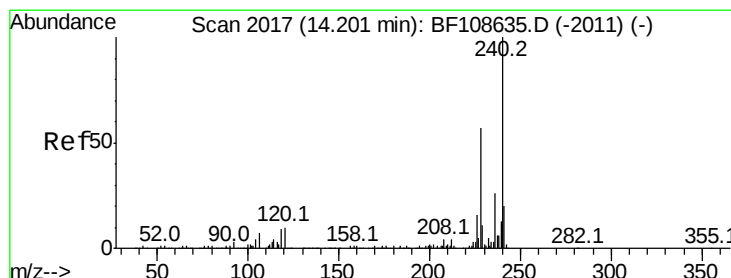
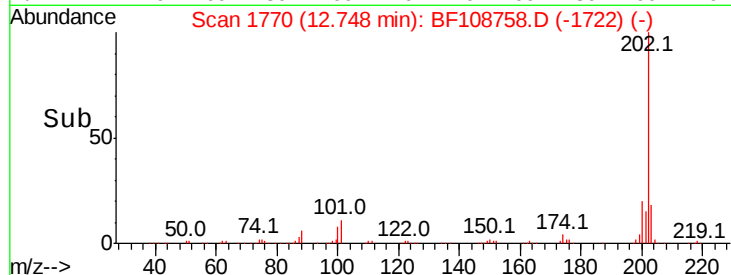
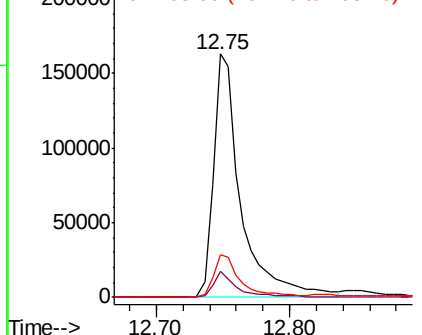
Tot Ion:	202	Resp:	234282
Ion Ratio	Lower	Upper	
202	100		
101	10.5	0.0	34.1
203	17.6	0.0	38.1

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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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.18 min Scan# 2014

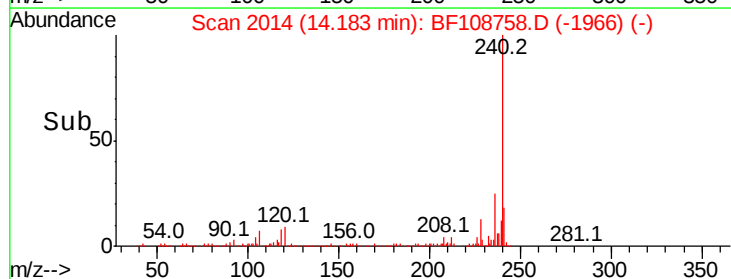
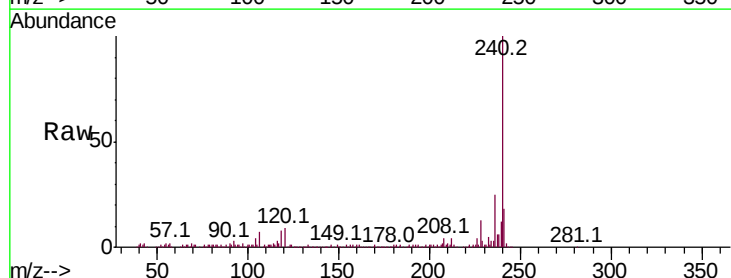
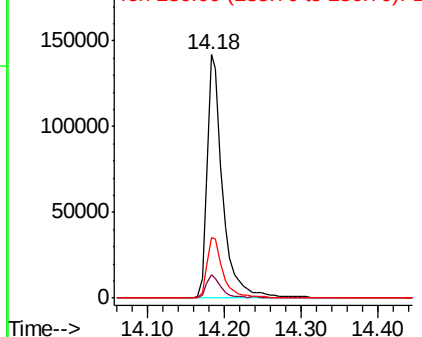
Delta R.T. -0.02 min

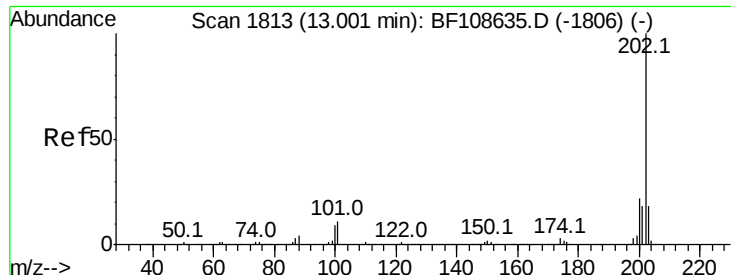
Lab File: BF108758.D

Acq: 4 Sep 2018 23:05

Tgt Ion:	240	Resp:	197463
Ion Ratio	Lower	Upper	
240	100		
120	9.5	9.5	14.3#
236	24.9	20.7	31.1

Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





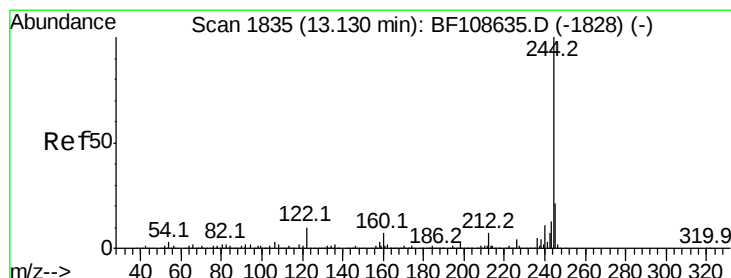
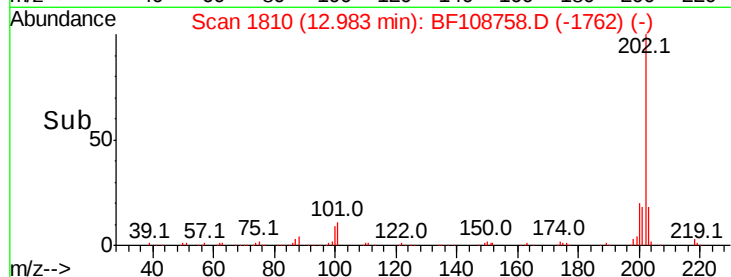
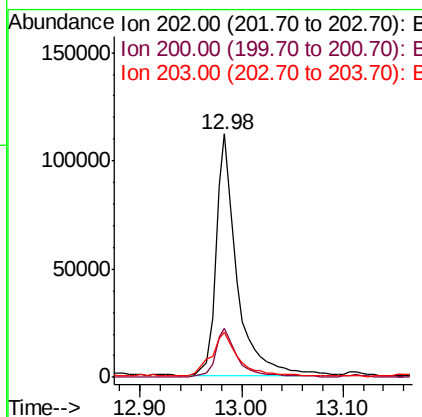
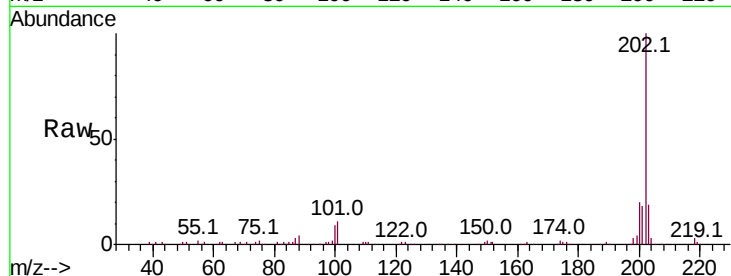
#77
Pvrene
Concen: 10.692 ng
RT: 12.98 min Scan# 1810
Delta R.T. -0.02 min
Lab File: BF108758.D
Acq: 4 Sep 2018 23:05

Instrument :
BNA_F
ClientSampled :
WC-BR

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.4	17.4	26.2
203	18.6	14.3	21.5

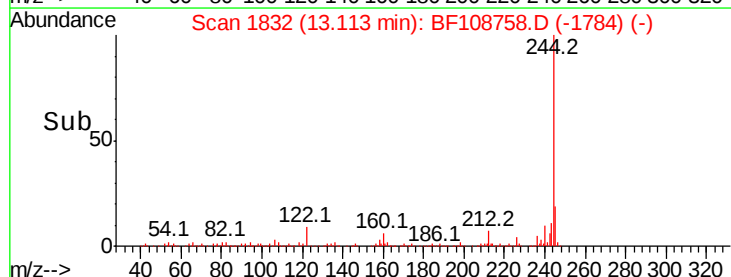
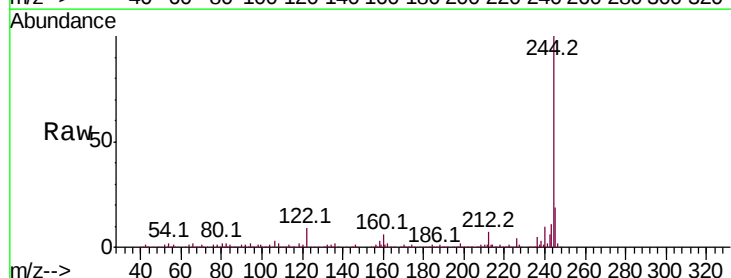
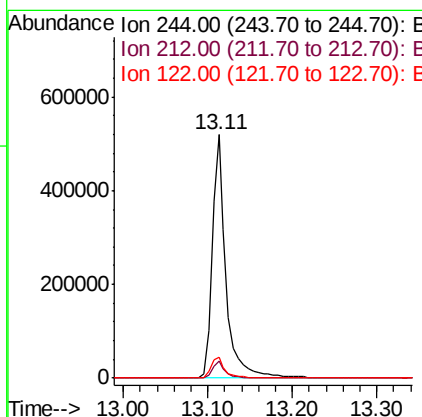
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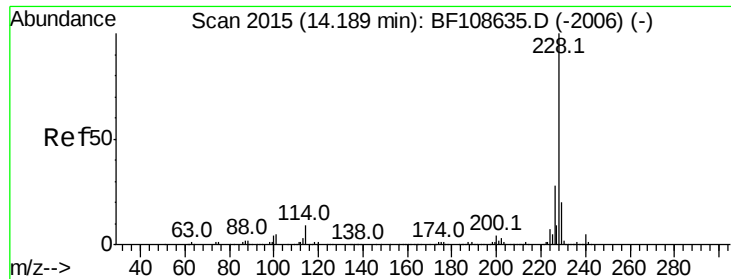
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#78
Terphenyl-d14
Concen: 59.118 ng
RT: 13.11 min Scan# 1832
Delta R.T. -0.02 min
Lab File: BF108758.D
Acq: 4 Sep 2018 23:05

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.8	5.4	8.0
122	8.8	11.0	16.4#





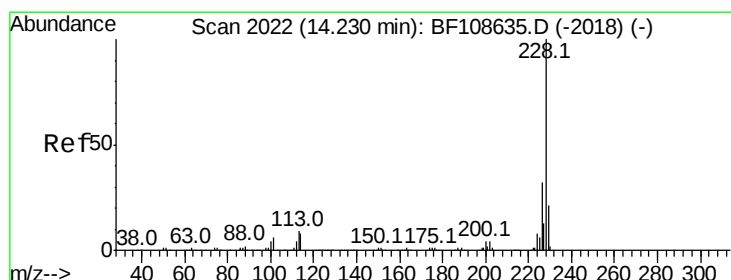
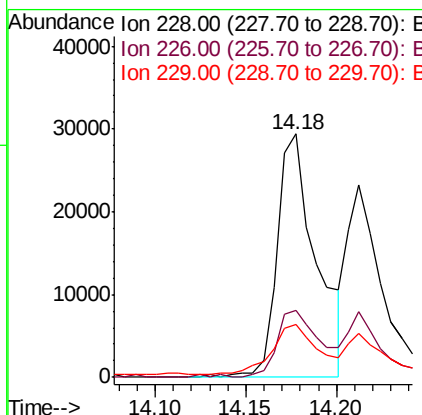
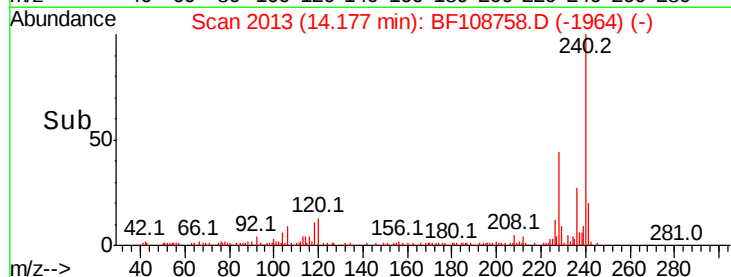
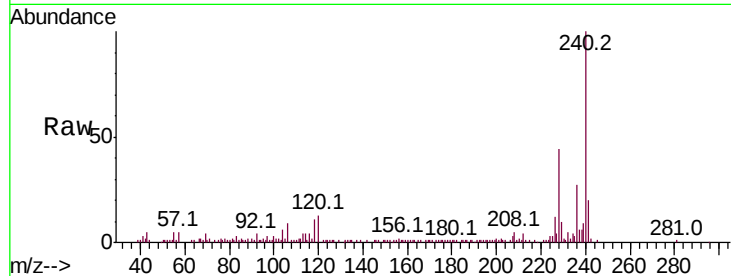
#80
Benzo(a)anthracene
Concen: 3.644 ng
RT: 14.18 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF108758.D
Acq: 4 Sep 2018 23:05

Instrument :
BNA_F
ClientSampled :
WC-BR

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.6	33.8
229	21.7	15.8	23.6

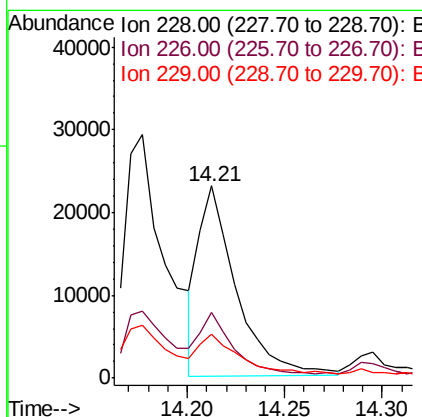
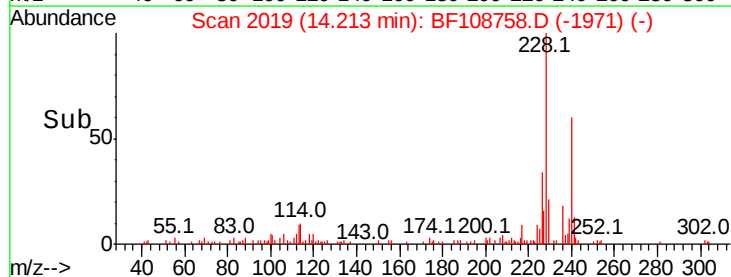
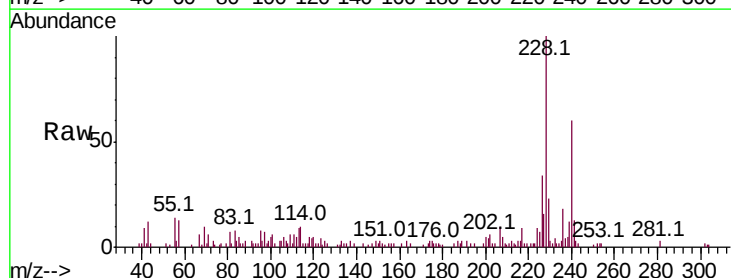
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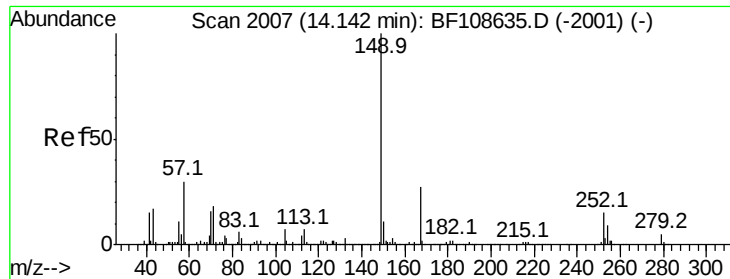
Sohil
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#82
Chrysene
Concen: 2.682 ng
RT: 14.21 min Scan# 2019
Delta R.T. -0.02 min
Lab File: BF108758.D
Acq: 4 Sep 2018 23:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.0	25.0	37.6
229	23.0	16.2	24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.766 ng

RT: 14.12 min Scan# 2004

Delta R.T. -0.02 min

Lab File: BF108758.D

Acq: 4 Sep 2018 23:05

Instrument :

BNA_F

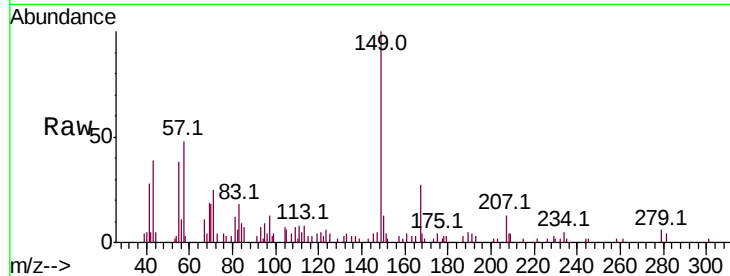
ClientSampled :

WC-BR

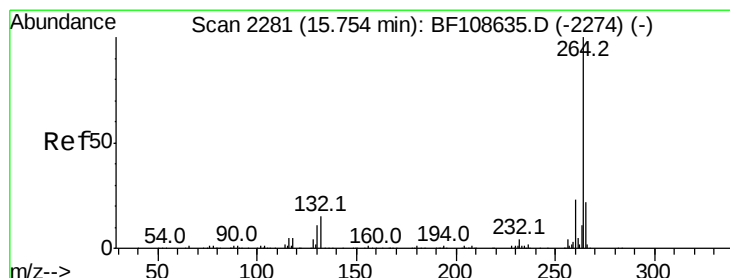
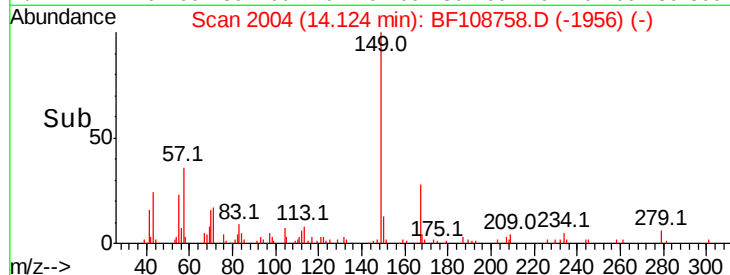
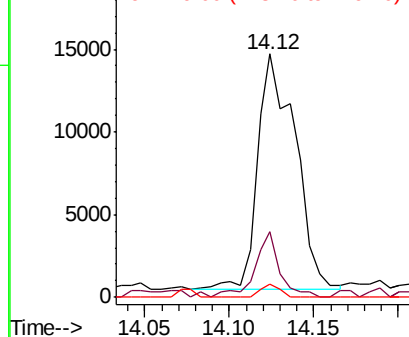
Tot Ion:	149	Resp:	22188
Ion Ratio	Lower	Upper	
149	100		
167	27.1	21.3	31.9
279	5.6	3.0	4.4

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



#86

Perylene-d12

Concen: 20.000 ng

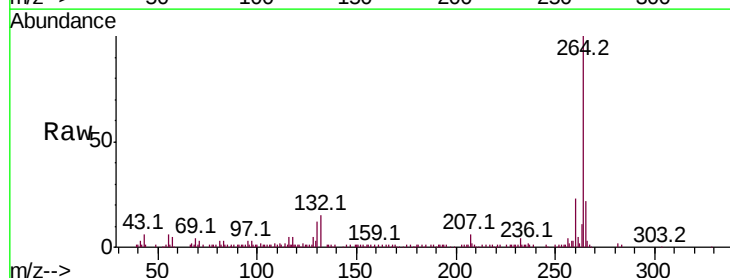
RT: 15.74 min Scan# 2278

Delta R.T. -0.02 min

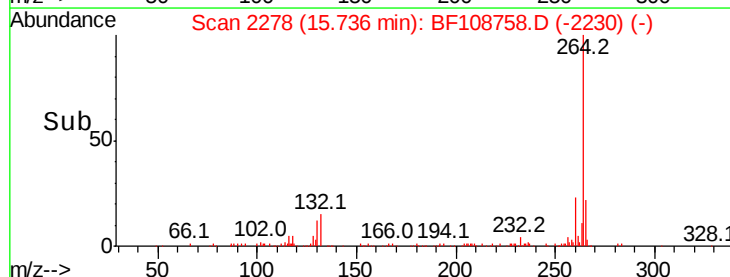
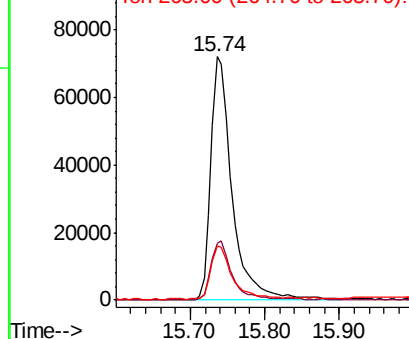
Lab File: BF108758.D

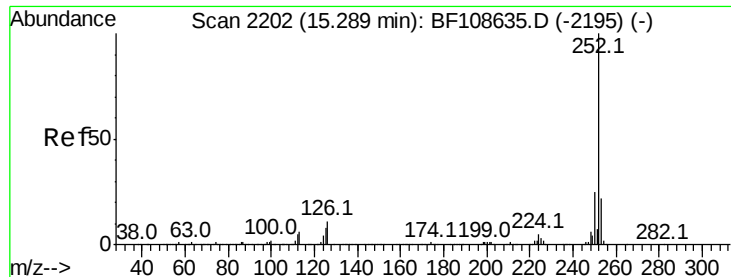
Acq: 4 Sep 2018 23:05

Tgt Ion:	264	Resp:	143653
Ion Ratio	Lower	Upper	
264	100		
260	23.3	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: 2.883 ng

RT: 15.28 min Scan# 2200

Delta R.T. -0.01 min

Lab File: BF108758.D

Acq: 4 Sep 2018 23:05

Instrument :

BNA_F

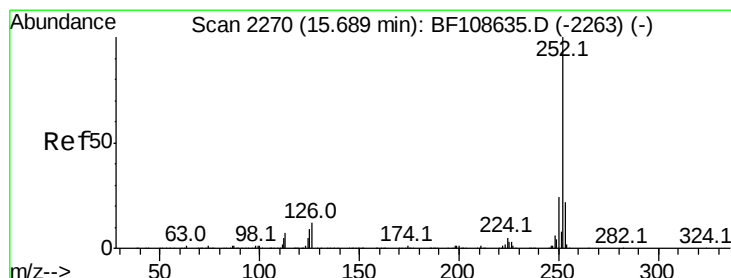
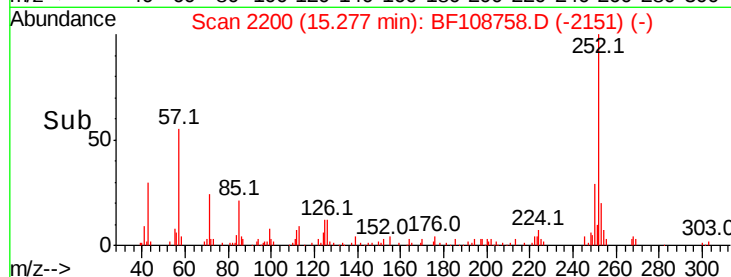
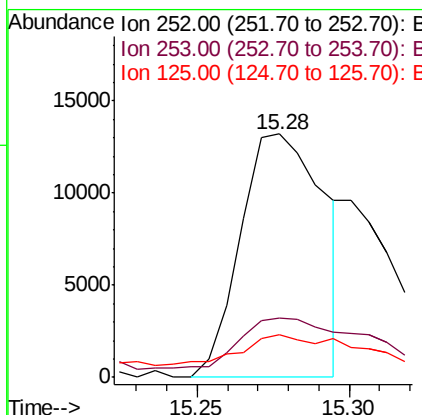
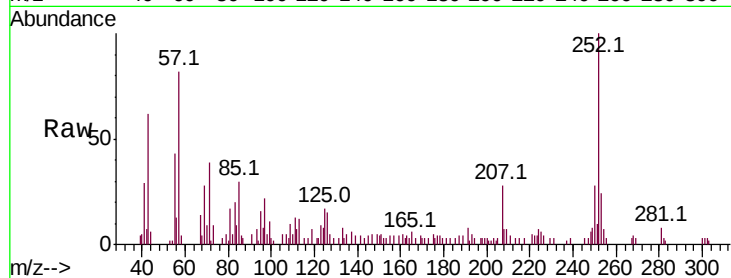
ClientSampled :

WC-BR

Tot Ion:	252	Resp:	25445
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.0	25.6
125	17.5	9.0	13.6#

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#89

Benzo(a)pyrene

Concen: 2.362 ng

RT: 15.68 min Scan# 2268

Delta R.T. -0.01 min

Lab File: BF108758.D

Acq: 4 Sep 2018 23:05

Tgt Ion:	252	Resp:	18836
Ion Ratio	Lower	Upper	
252	100		
253	30.6	17.1	25.7#
125	14.9	9.8	14.6#

