

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101718\
 Data File : BF109916.D
 Acq On : 17 Oct 2018 11:31
 Operator : JU/SJ
 Sample : J5540-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MOSAIC-FRAC-TANK-101518

Manual Integrations
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Quant Time: Oct 17 12:58:38 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 16 14:58:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	
1) 1,4-Dichlorobenzene-d4	6.98	152	269869	20.00	ng	0.00	
21) Naphthalene-d8	8.26	136	1080346	20.00	ng	0.00	
39) Acenaphthene-d10	10.02	164	515553	20.00	ng	0.00	
64) Phenanthrene-d10	11.52	188	968285	20.00	ng	0.00	
76) Chrysene-d12	14.16	240	594575	20.00	ng	0.00	
87) Perylene-d12	15.69	264	546443	20.00	ng	0.00	
System Monitoring Compounds							
5) 2-Fluorophenol	5.59	112	653744	38.40	ng	0.00	
7) Phenol-d6	6.59	99	505619	23.92	ng	-0.01	
23) Nitrobenzene-d5	7.54	82	1157504	72.18	ng	-0.01	
42) 2,4,6-Tribromophenol	10.82	330	341998	76.62	ng	0.00	
45) 2-Fluorobiphenyl	9.34	172	1998797	61.86	ng	0.00	
79) Terphenyl-d14	13.10	244	1938556	68.47	ng	0.00	
Target Compounds							
10) Phenol	6.60	94	126373	5.537	ng		Qvalue # 59
31) Naphthalene	8.29	128	380756	7.686	ng		99
37) 2-Methylnaphthalene	8.97	142	224683	7.004	ng		97
38) 1-Methylnaphthalene	9.07	142	157013	5.051	ng		100
49) Acenaphthylene	9.88	152	515266	10.483	ng		98
50) Dimethylphthalate	9.73	163	256567	7.028	ng		99
52) Acenaphthene	10.05	154	72965	2.332	ng		98
55) Dibenzofuran	10.23	168	346944	7.774	ng		94
58) Fluorene	10.57	166	430265	13.244	ng		99
71) Phenanthrene	11.54	178	1949575	38.891	ng		99
72) Anthracene	11.59	178	848099	16.828	ng		99
73) Carbazole	11.74	167	152638	3.082	ng		99
75) Fluoranthene	12.73	202	1474614	29.446	ng		97
78) Pyrene	12.96	202	1218679	27.907	ng		98
81) Benzo(a)anthracene	14.15	228	470876	13.445	ng		# 86
83) Chrysene	14.19	228	358447	10.753	ng		97
86) Indeno(1,2,3-cd)pyrene	17.24	276	184740	6.883	ng		97
88) Benzo(b)fluoranthene	15.23	252	399804m	12.691	ng		
89) Benzo(k)fluoranthene	15.26	252	113581m	3.658	ng		
90) Benzo(a)pyrene	15.62	252	292789	10.105	ng		# 93
92) Benzo(q,h,i)perylene	17.72	276	160735	6.195	ng		# 94

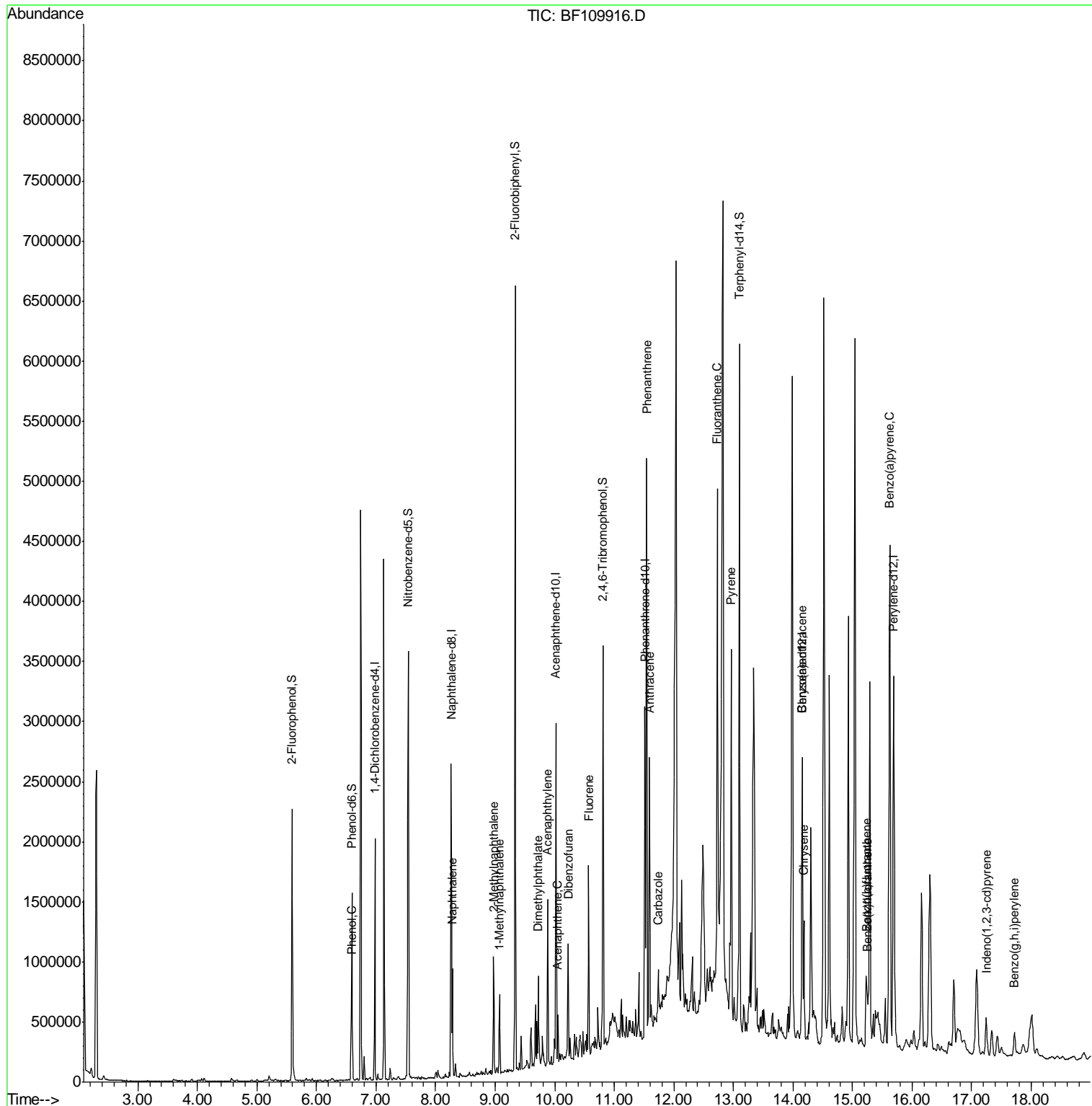
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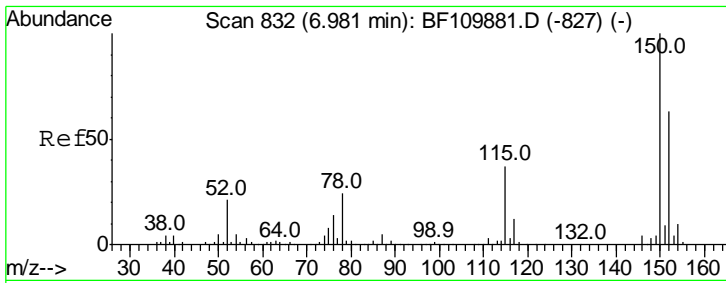
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101718\
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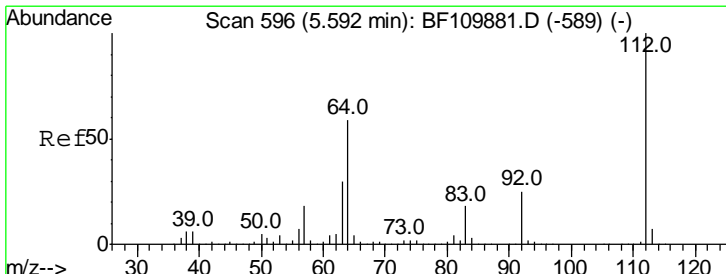
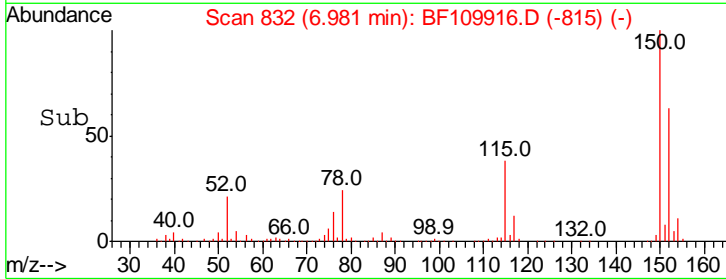
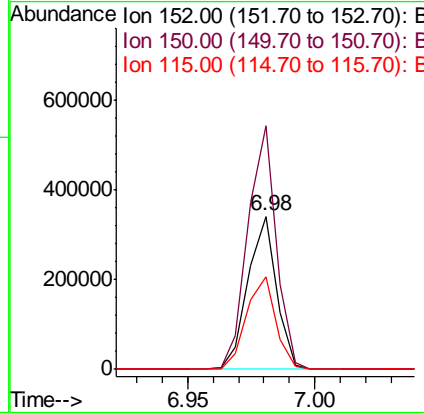
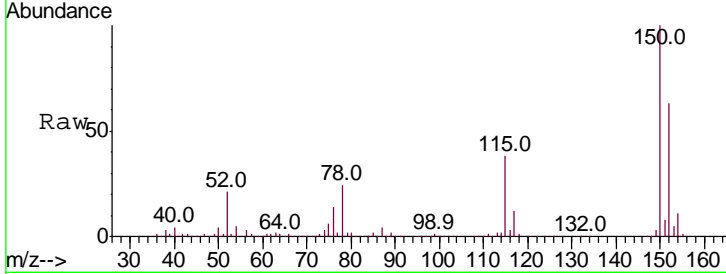
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.98 min Scan# 832
 Delta R.T. -0.00 min
 Lab File: BF109916.D
 Acq: 17 Oct 2018 11:31

Instrument :
 BNA_F
ClientSampled :
 MOSAIC-FRAC-TANK-101518

Tgt Ion	Resp	Lower	Upper
152	269869		
152	100		
150	158.9	122.7	184.1
115	60.4	49.1	73.7

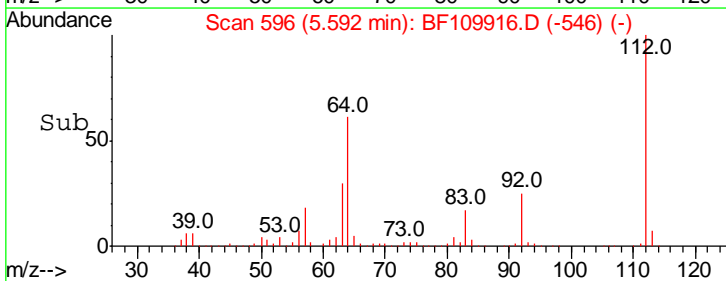
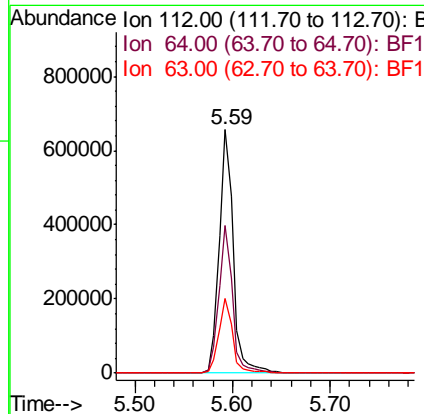
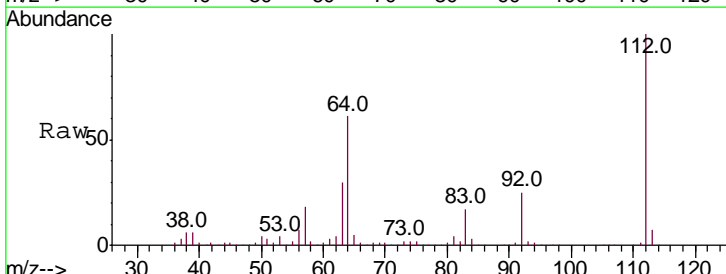
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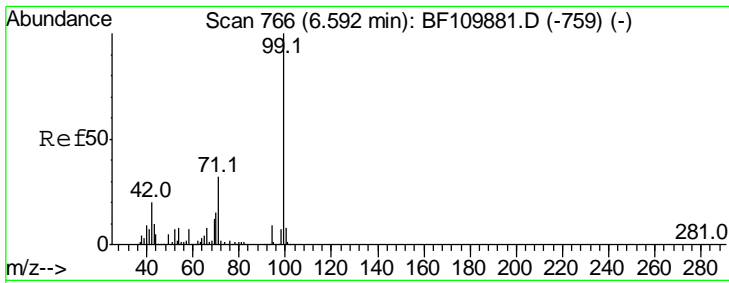
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#5
 2-Fluorophenol
 Concen: 38.399 ng
 RT: 5.59 min Scan# 596
 Delta R.T. -0.01 min
 Lab File: BF109916.D
 Acq: 17 Oct 2018 11:31

Tgt Ion	Resp	Lower	Upper
112	653744		
112	100		
64	60.6	44.1	66.1
63	30.5	23.7	35.5





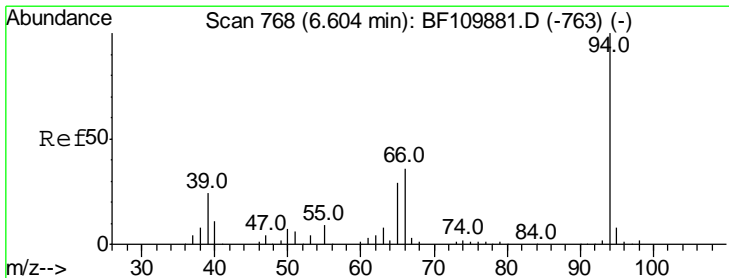
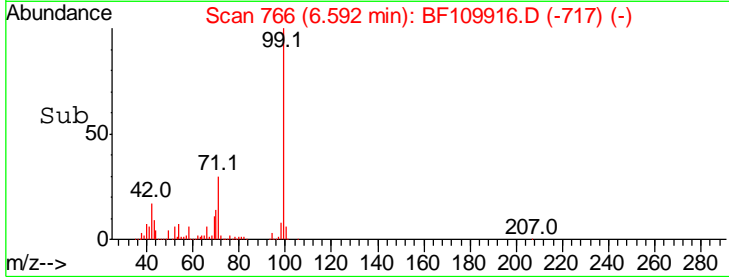
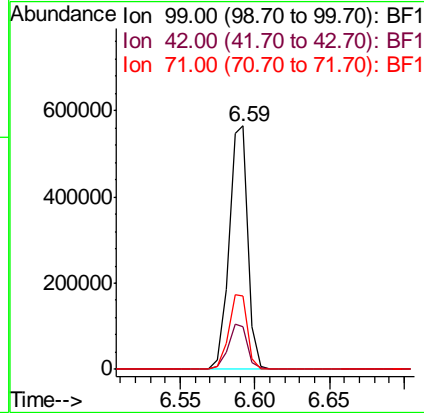
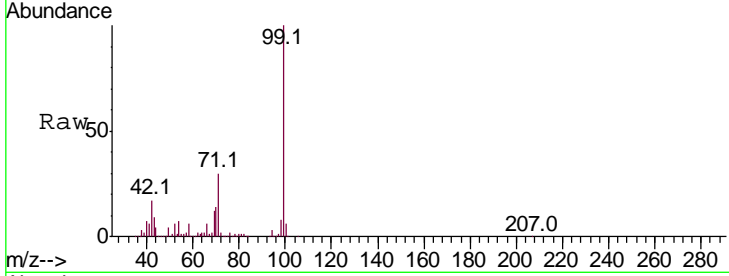
#7
 Phenol-d6
 Concen: 23.917 ng
 RT: 6.59 min Scan# 766
 Delta R.T. -0.01 min
 Lab File: BF109916.D
 Acq: 17 Oct 2018 11:31

Instrument :
 BNA_F
ClientSampled :
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Tgt Ion	Resp	Lower	Upper
99	100		
42	17.4	15.8	23.6
71	29.9	28.0	42.0

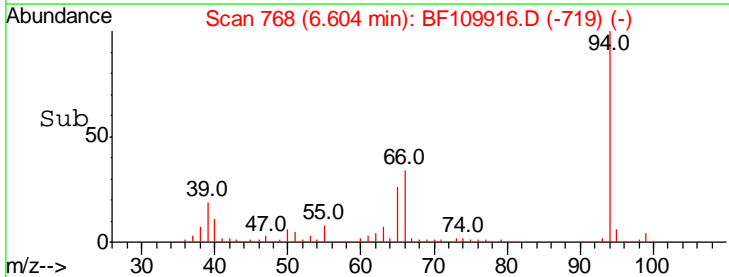
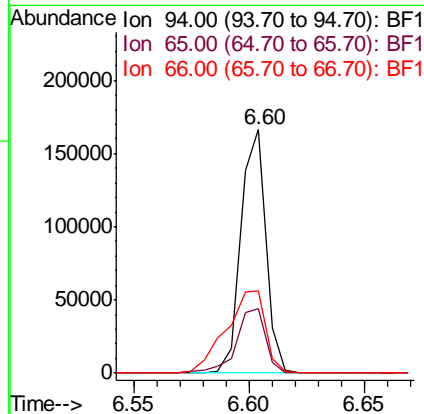
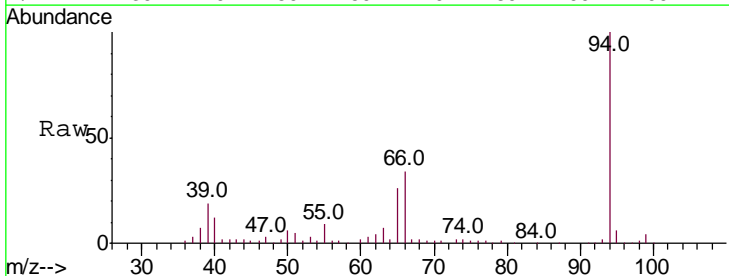
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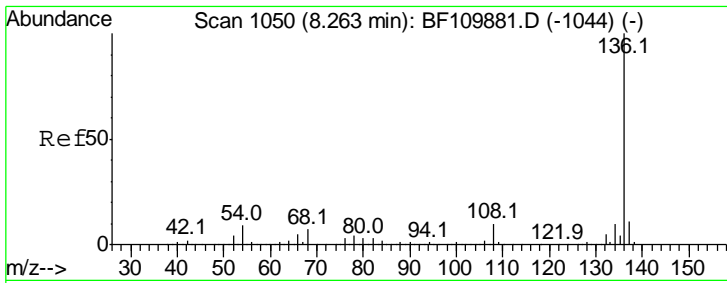
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#10
 Phenol
 Concen: 5.537 ng
 RT: 6.60 min Scan# 768
 Delta R.T. -0.01 min
 Lab File: BF109916.D
 Acq: 17 Oct 2018 11:31

Tgt Ion	Resp	Lower	Upper
94	100		
65	26.3	25.3	65.3
66	34.0	54.5	94.5#





#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 8.26 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: BF109916.D
 Acq: 17 Oct 2018 11:31

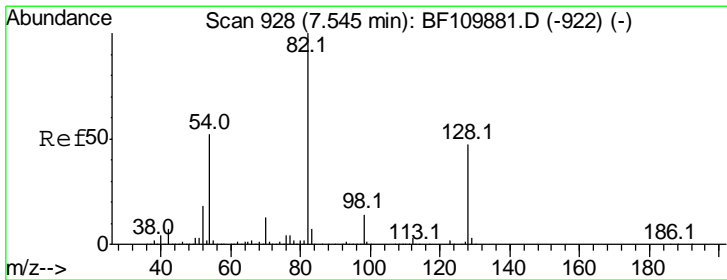
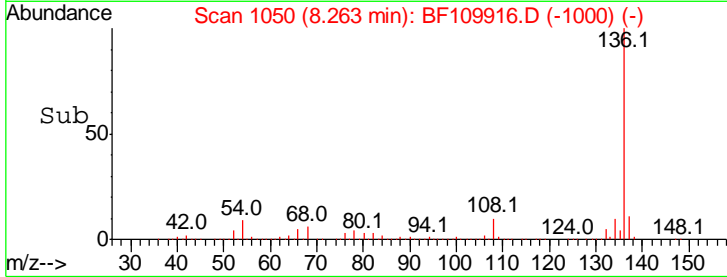
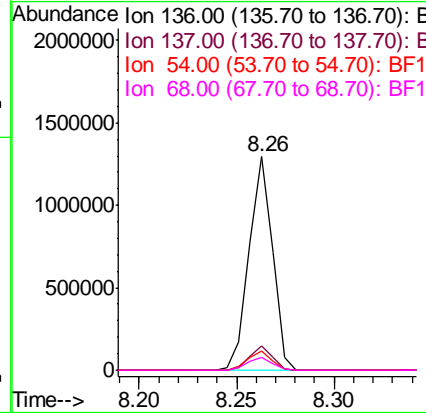
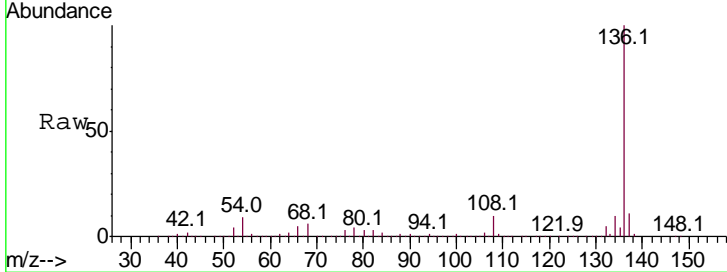
Instrument :
 BNA_F
ClientSampled :
 MOSAIC-FRAC-TANK-101518

Tgt Ion: 136 Resp: 1080346

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	8.8	5.4	8.2#
68	6.2	4.2	6.2

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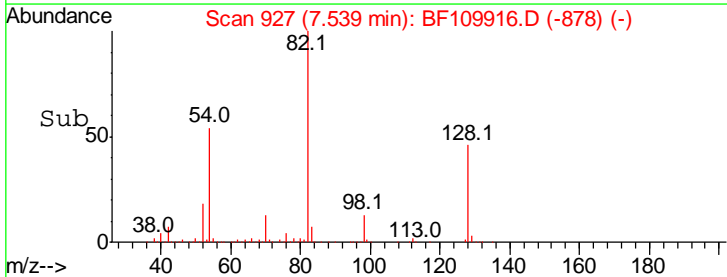
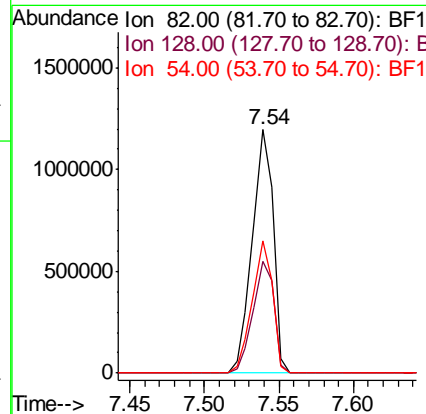
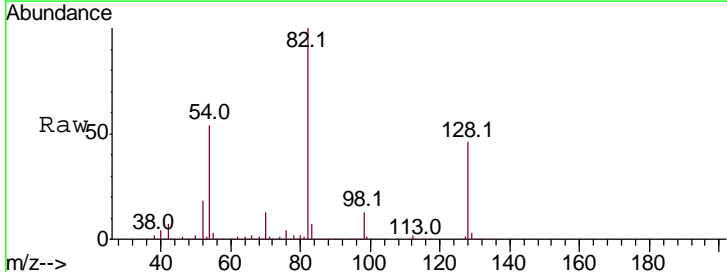
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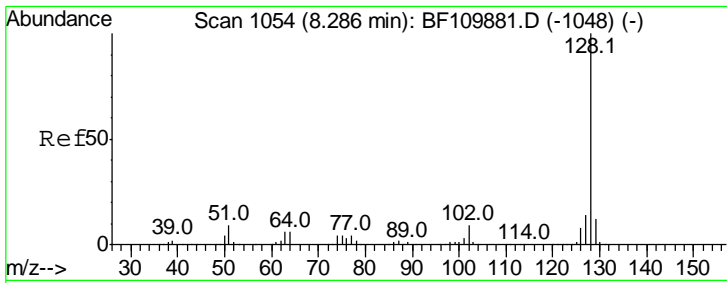


#23
 Nitrobenzene-d5
 Concen: 72.175 ng
 RT: 7.54 min Scan# 927
 Delta R.T. -0.01 min
 Lab File: BF109916.D
 Acq: 17 Oct 2018 11:31

Tgt Ion: 82 Resp: 1157504

Ion	Ratio	Lower	Upper
82	100		
128	45.9	34.2	51.2
54	54.2	38.6	58.0





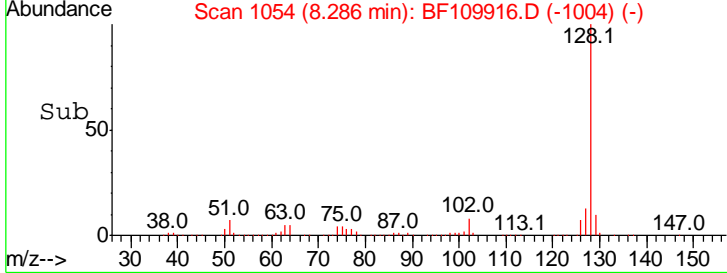
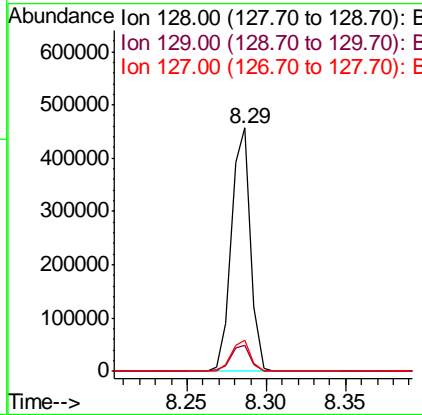
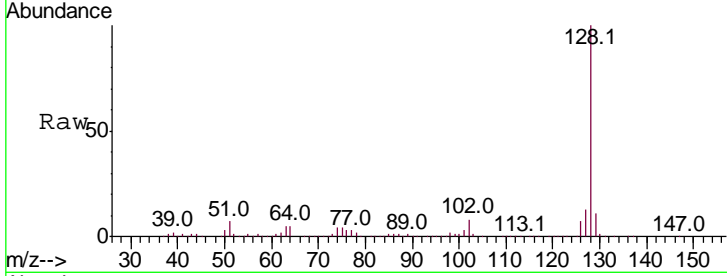
#31
 Naphthalene
 Concen: 7.686 ng
 RT: 8.29 min Scan# 1054
 Delta R.T. -0.01 min
 Lab File: BF109916.D
 Acq: 17 Oct 2018 11:31

Instrument :
 BNA_F
ClientSampled :
 MOSAIC-FRAC-TANK-101518

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.8	13.2
127	13.0	10.8	16.2

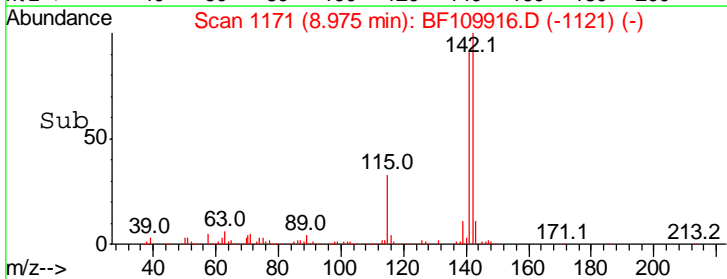
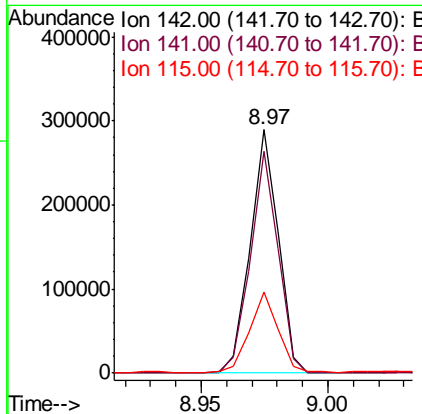
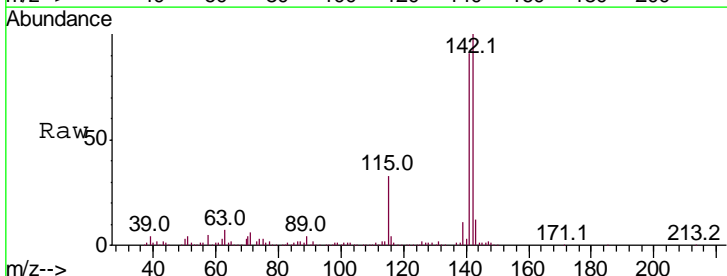
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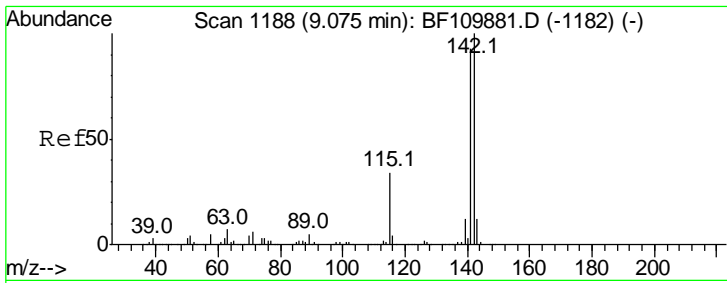
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#37
 2-Methylnaphthalene
 Concen: 7.004 ng
 RT: 8.97 min Scan# 1171
 Delta R.T. -0.01 min
 Lab File: BF109916.D
 Acq: 17 Oct 2018 11:31

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.2	71.4	107.2
115	33.4	28.7	43.1





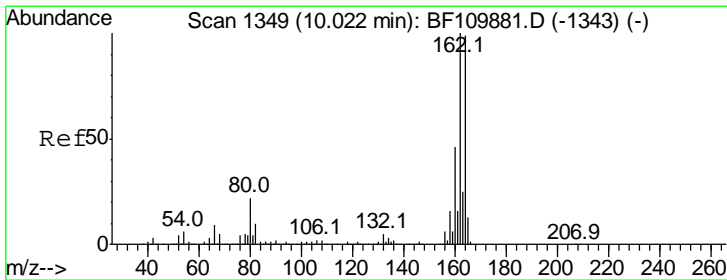
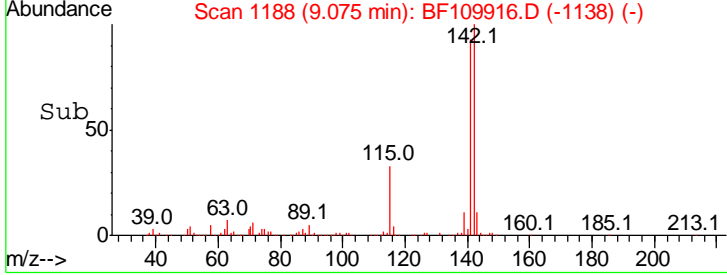
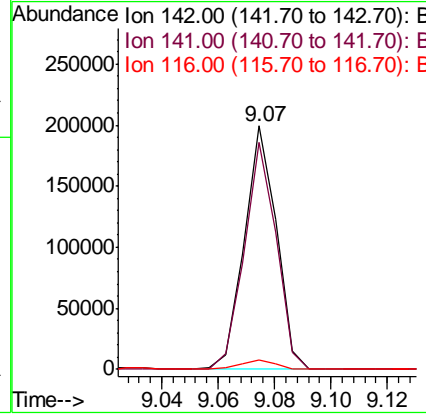
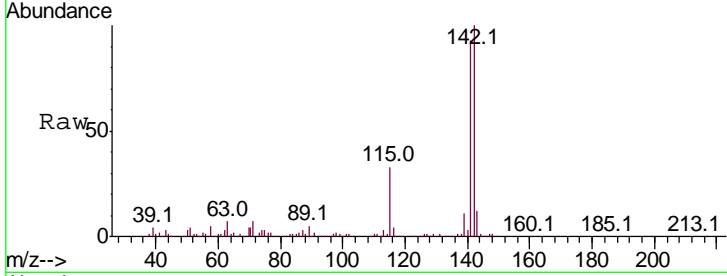
#38
 1-Methylnaphthalene
 Concen: 5.051 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF109916.D
 Acq: 17 Oct 2018 11:31

Instrument :
 BNA_F
ClientSampled :
 MOSAIC-FRAC-TANK-101518

Tgt Ion	Resp	Lower	Upper
142	100		
141	93.1	74.2	111.4
116	3.8	2.6	4.0

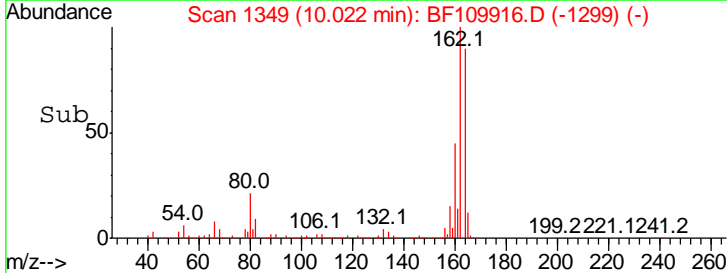
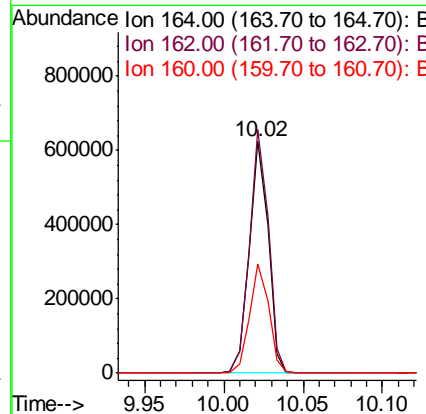
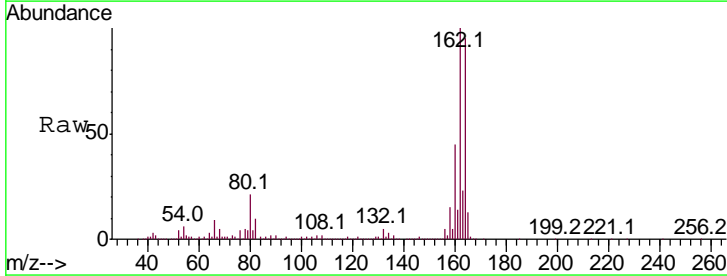
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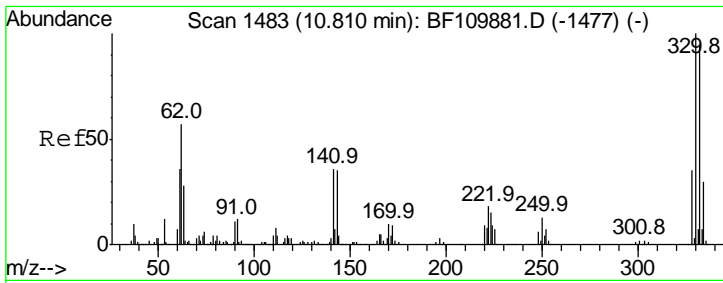
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.02 min Scan# 1349
 Delta R.T. -0.01 min
 Lab File: BF109916.D
 Acq: 17 Oct 2018 11:31

Tgt Ion	Resp	Lower	Upper
164	100		
162	105.0	83.0	124.6
160	47.1	37.0	55.6



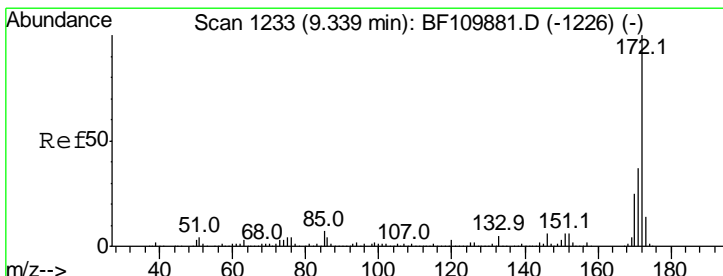
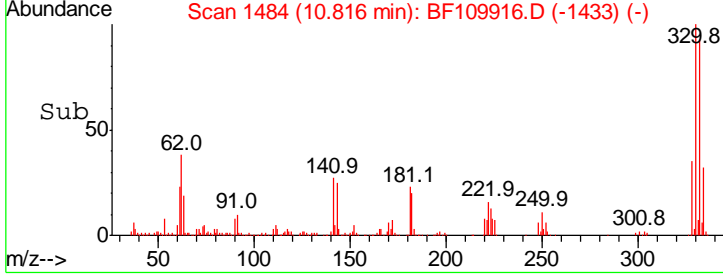
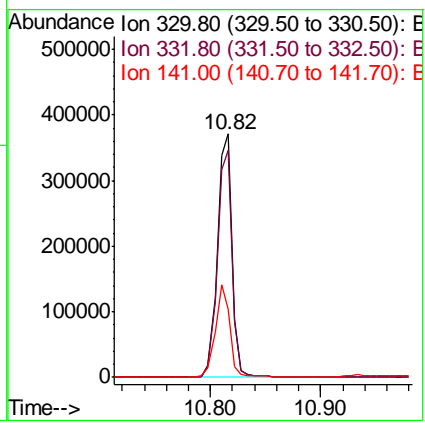
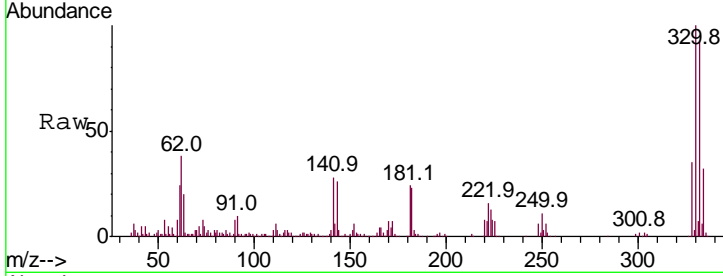


#42
 2,4,6-Tribromophenol
 Concen: 76.621 ng
 RT: 10.82 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: BF109916.D
 Acq: 17 Oct 2018 11:31

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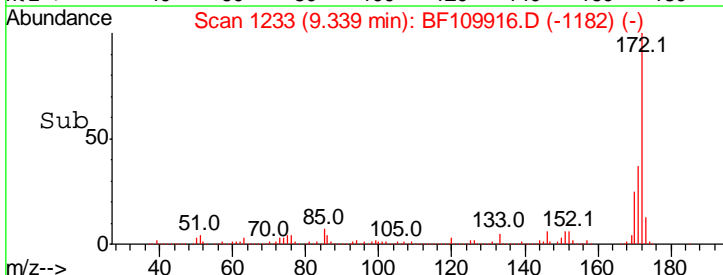
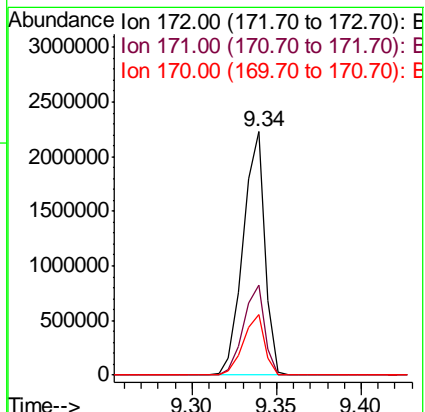
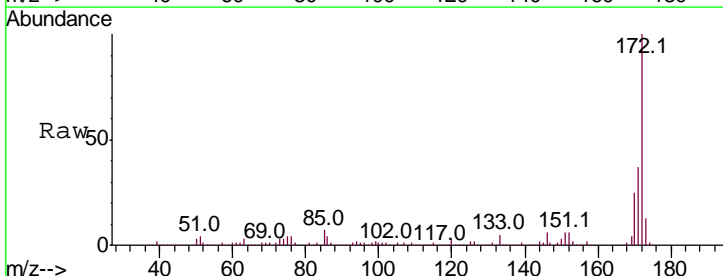
Tgt Ion	Resp	Lower	Upper
330	100		
332	93.3	77.1	115.7
141	36.0	27.0	40.4

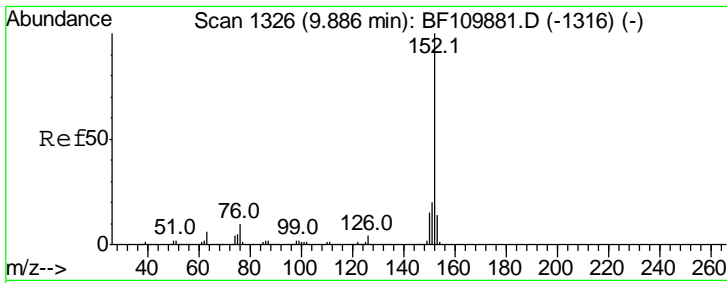
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#45
 2-Fluorobiphenyl
 Concen: 61.863 ng
 RT: 9.34 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: BF109916.D
 Acq: 17 Oct 2018 11:31

Tgt Ion	Resp	Lower	Upper
172	100		
171	36.9	28.6	43.0
170	24.8	19.7	29.5





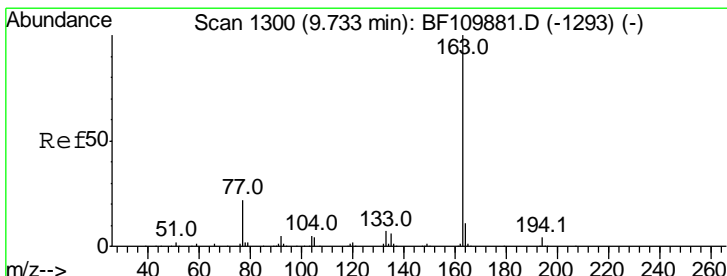
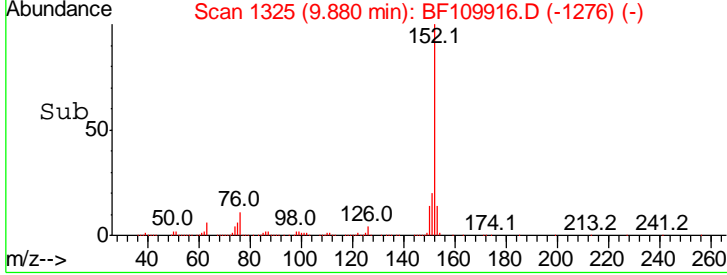
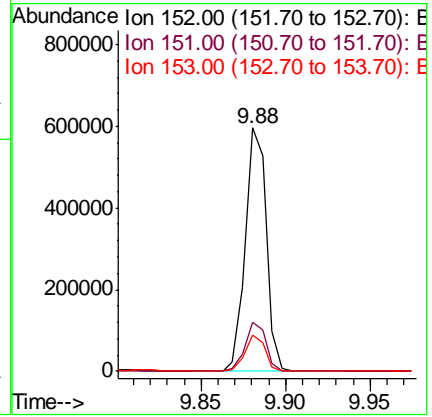
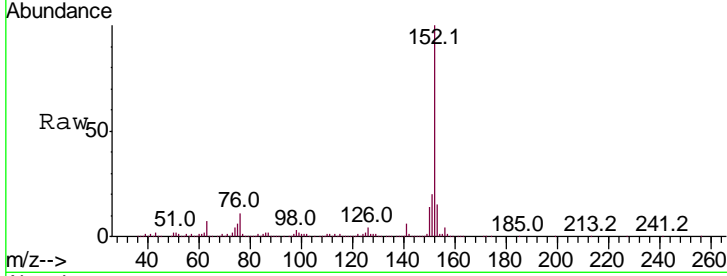
#49
 Acenaphthylene
 Concen: 10.483 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.01 min
 Lab File: BF109916.D
 Acq: 17 Oct 2018 11:31

Instrument :
 BNA_F
ClientSampled :
 MOSAIC-FRAC-TANK-101518

Tgt Ion	Resp	Lower	Upper
152	100		
151	20.0	15.8	23.8
153	14.7	10.4	15.6

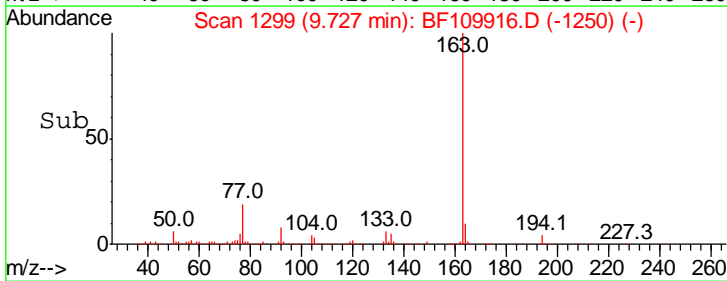
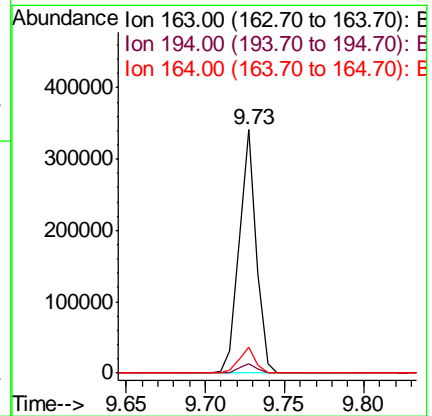
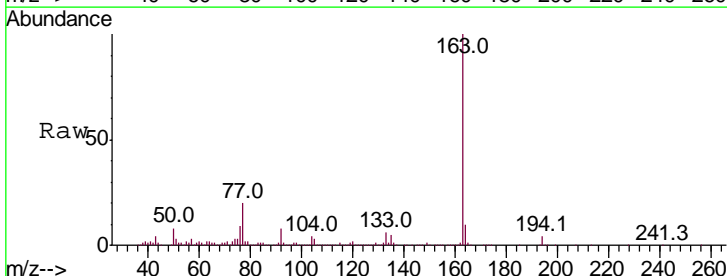
Manual Integrations
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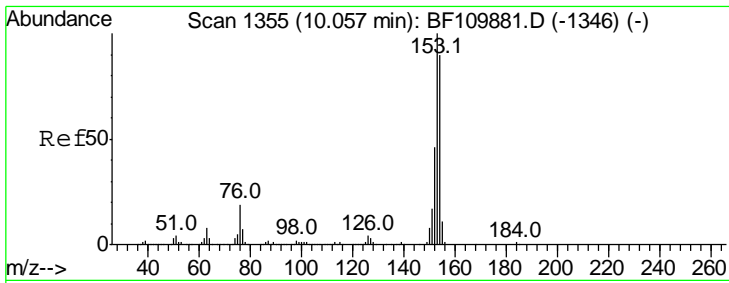
Sohil
 10/18/2018 2:04:09 PM



#50
 Dimethylphthalate
 Concen: 7.028 ng
 RT: 9.73 min Scan# 1299
 Delta R.T. -0.01 min
 Lab File: BF109916.D
 Acq: 17 Oct 2018 11:31

Tgt Ion	Resp	Lower	Upper
163	100		
194	3.9	3.2	4.8
164	10.5	8.1	12.1



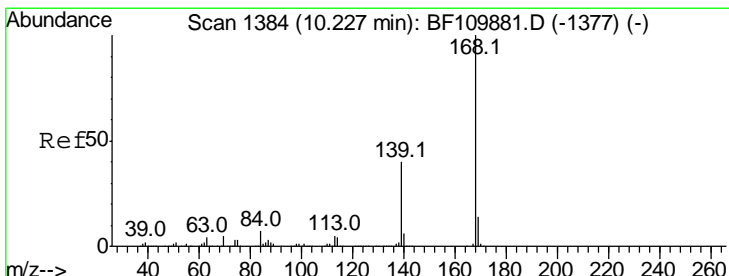
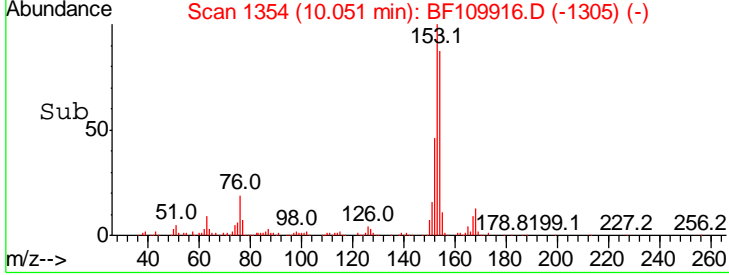
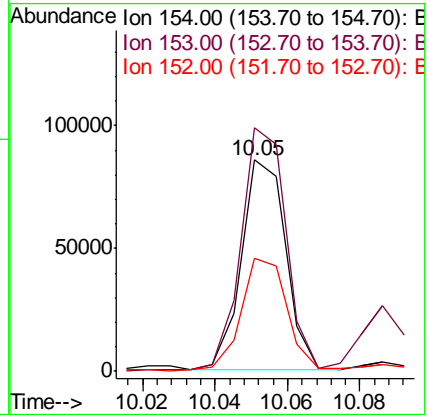
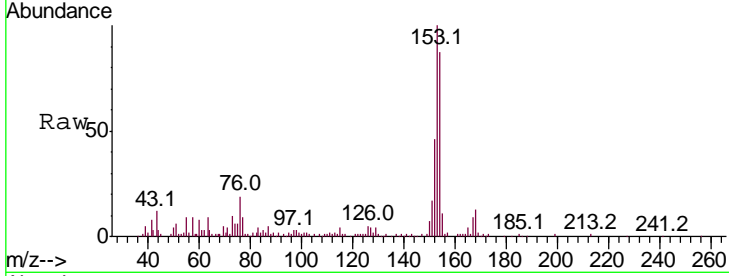


#52
 Acenaphthene
 Concen: 2.332 ng
 RT: 10.05 min Scan# 1354
 Delta R.T. -0.01 min
 Lab File: BF109916.D
 Acq: 17 Oct 2018 11:31

Instrument :
 BNA_F
 ClientSampled :
 MOSAIC-FRAC-TANK-101518

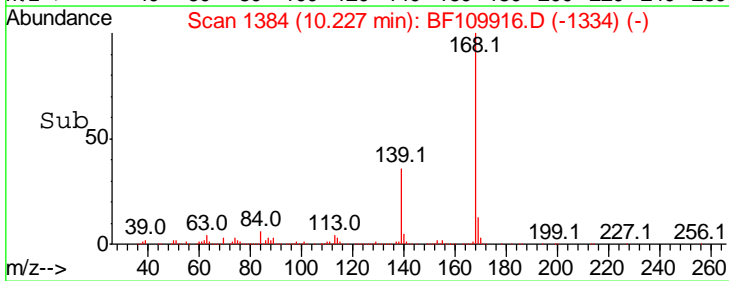
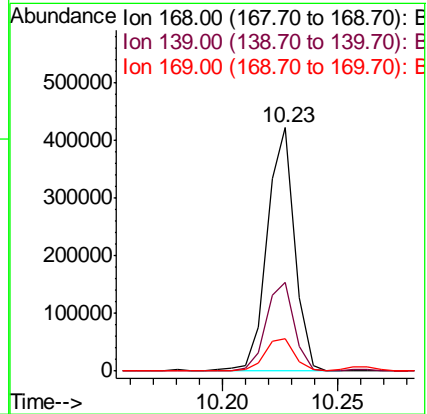
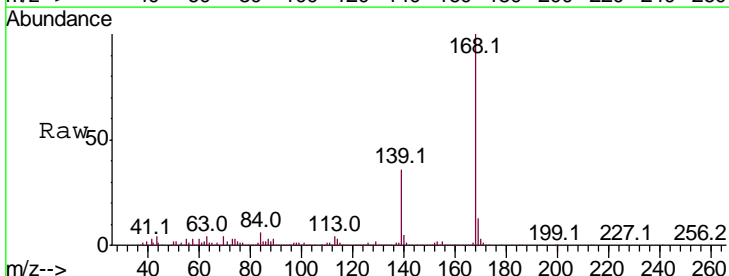
Tgt Ion	Resp	Lower	Upper
154	100		
153	115.3	90.1	135.1
152	53.6	43.4	65.2

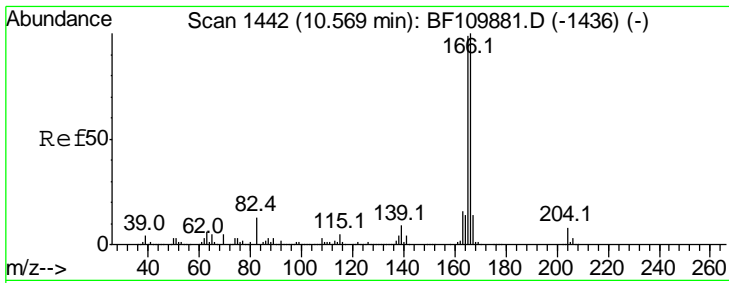
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#55
 Dibenzofuran
 Concen: 7.774 ng
 RT: 10.23 min Scan# 1384
 Delta R.T. -0.01 min
 Lab File: BF109916.D
 Acq: 17 Oct 2018 11:31

Tgt Ion	Resp	Lower	Upper
168	100		
139	36.5	33.0	49.6
169	13.3	11.3	16.9



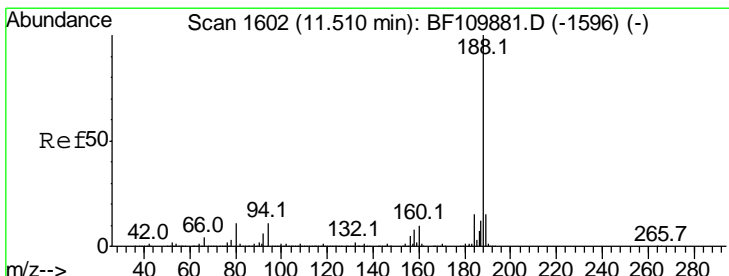
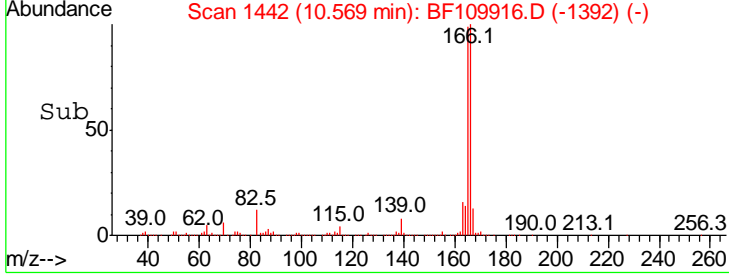
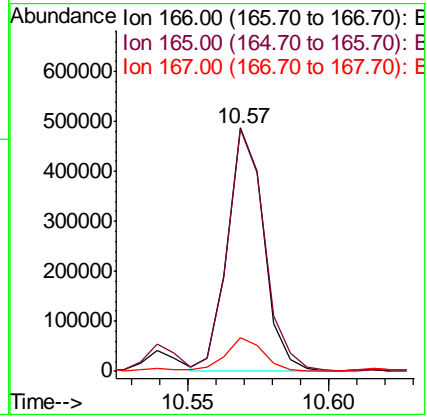
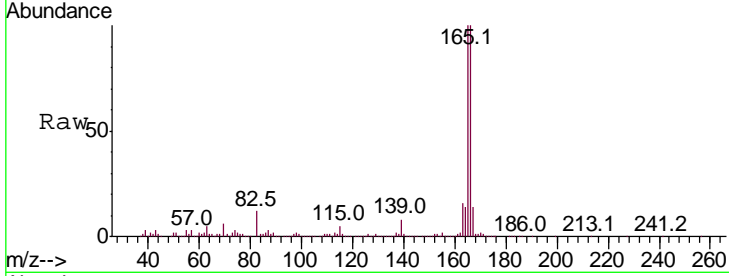


#58
 Fluorene
 Concen: 13.244 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. -0.01 min
 Lab File: BF109916.D
 Acq: 17 Oct 2018 11:31

Instrument :
 BNA_F
 ClientSampled :
 MOSAIC-FRAC-TANK-101518

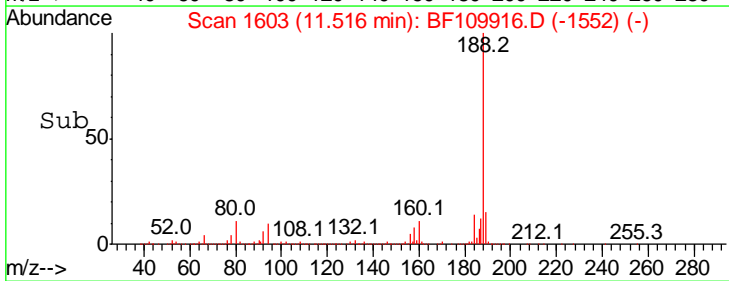
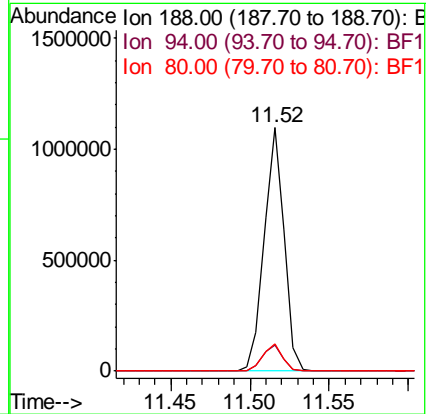
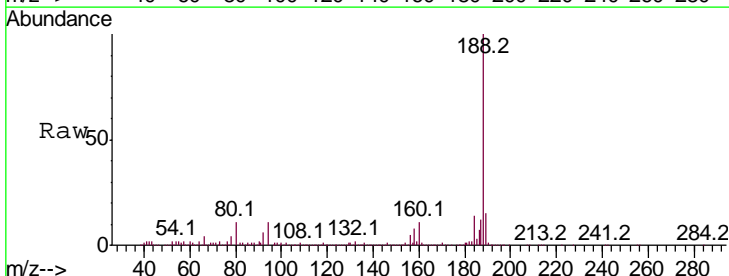
Tgt Ion	Resp	Lower	Upper
166	100		
165	99.5	78.6	117.8
167	13.6	10.8	16.2

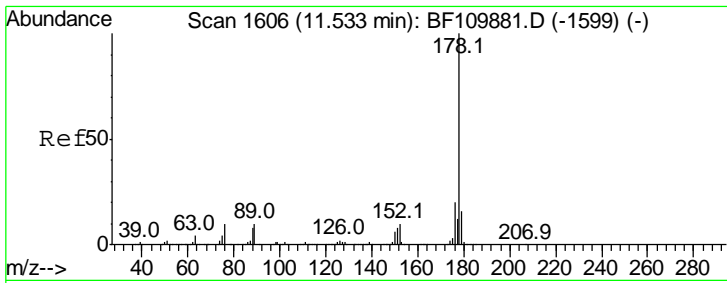
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.52 min Scan# 1603
 Delta R.T. -0.00 min
 Lab File: BF109916.D
 Acq: 17 Oct 2018 11:31

Tgt Ion	Resp	Lower	Upper
188	100		
94	10.5	7.2	10.8
80	11.1	7.9	11.9





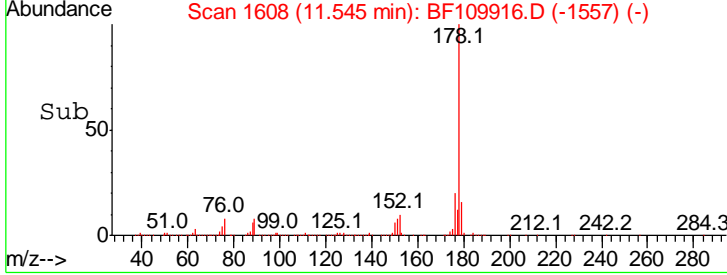
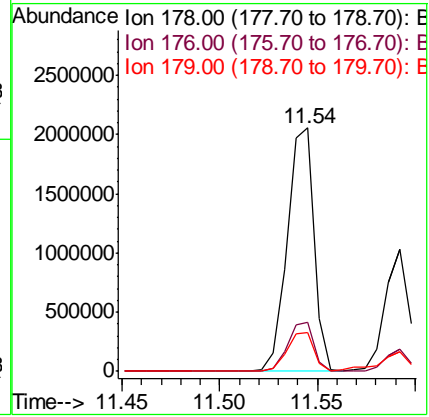
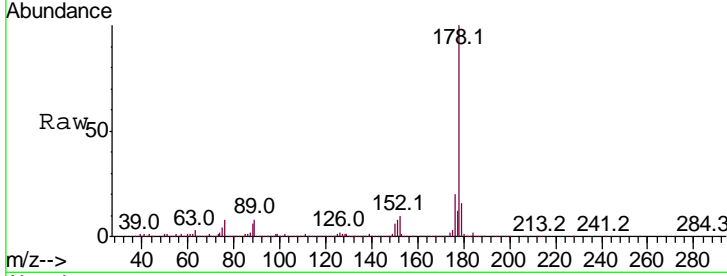
#71
 Phenanthrene
 Concen: 38.891 ng
 RT: 11.54 min Scan# 1608
 Delta R.T. -0.00 min
 Lab File: BF109916.D
 Acq: 17 Oct 2018 11:31

Instrument :
 BNA_F
ClientSampled :
 MOSAIC-FRAC-TANK-101518

Tgt Ion:178 Resp: 1949575

Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.5	23.3
179	15.8	12.5	18.7

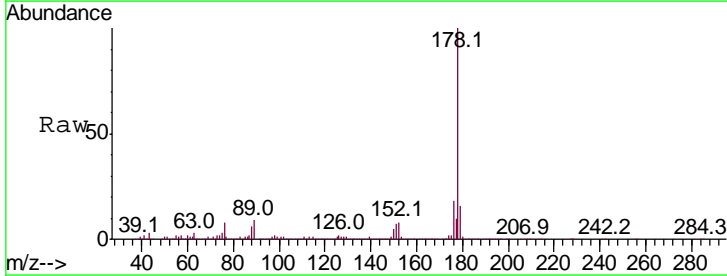
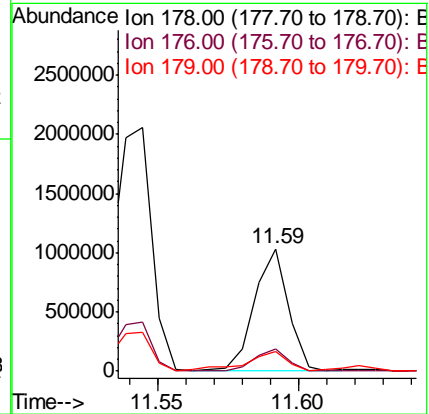
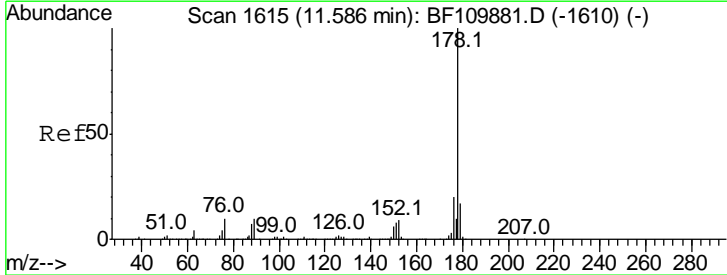
Manual Integrations
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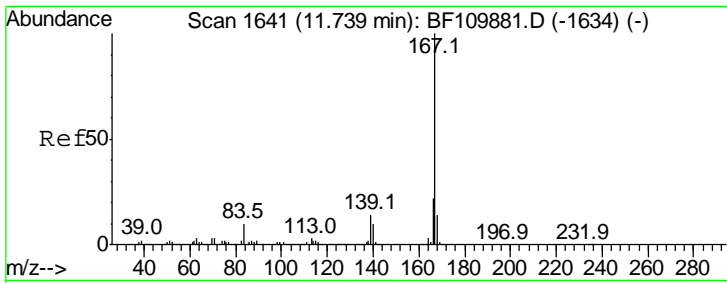


#72
 Anthracene
 Concen: 16.828 ng
 RT: 11.59 min Scan# 1616
 Delta R.T. -0.01 min
 Lab File: BF109916.D
 Acq: 17 Oct 2018 11:31

Tgt Ion:178 Resp: 848099

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	15.6	12.6	18.8





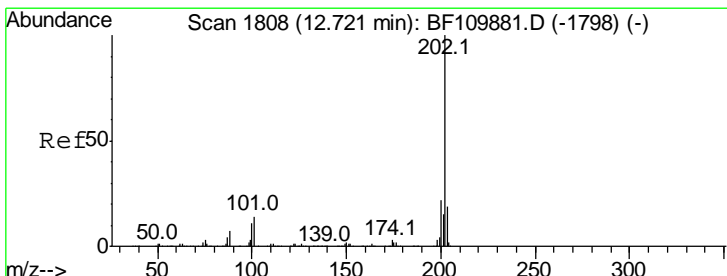
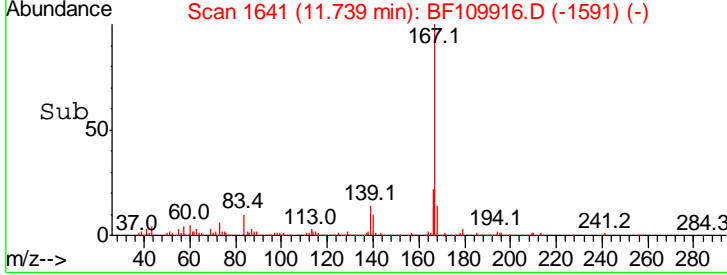
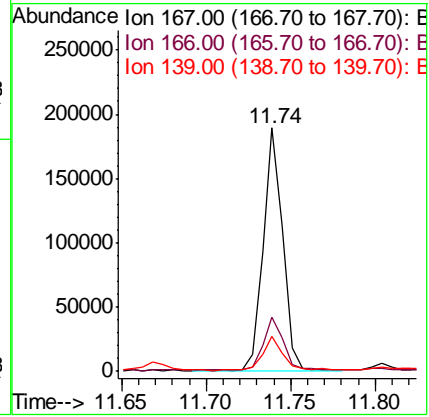
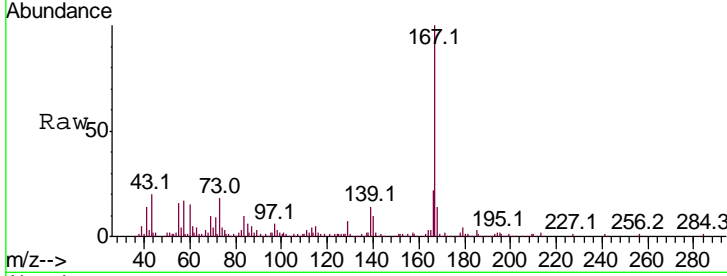
#73
 Carbazole
 Concen: 3.082 ng
 RT: 11.74 min Scan# 1641
 Delta R.T. -0.01 min
 Lab File: BF109916.D
 Acq: 17 Oct 2018 11:31

Instrument :
 BNA_F
ClientSampled :
 MOSAIC-FRAC-TANK-101518

Tgt Ion	Resp	Lower	Upper
167	100		
166	22.2	17.4	26.0
139	14.3	10.9	16.3

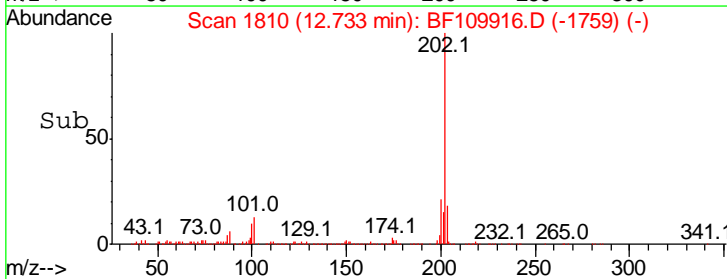
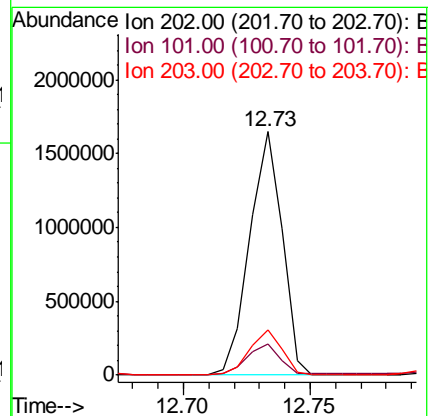
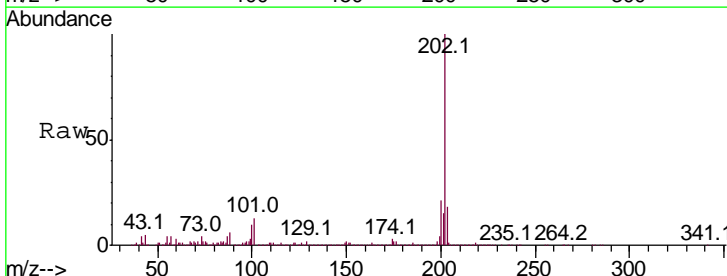
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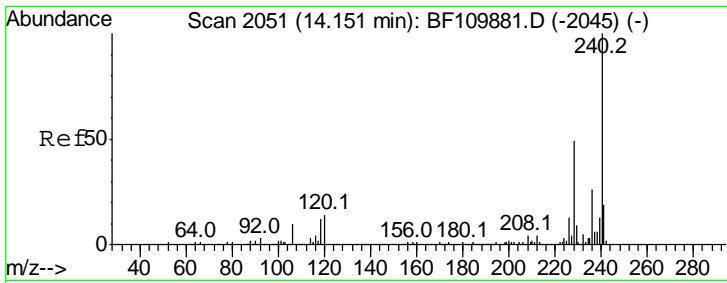
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#75
 Fluoranthene
 Concen: 29.446 ng
 RT: 12.73 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: BF109916.D
 Acq: 17 Oct 2018 11:31

Tgt Ion	Resp	Lower	Upper
202	100		
101	12.8	0.0	31.4
203	18.5	0.0	37.7





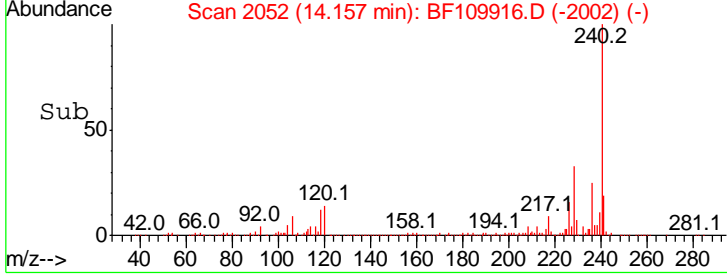
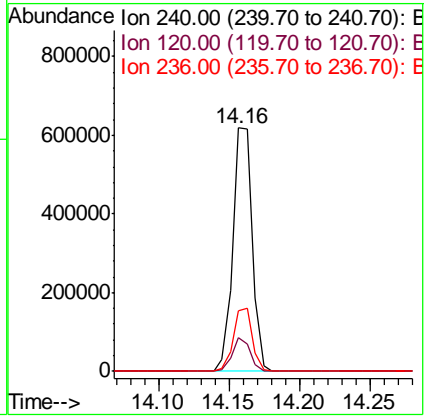
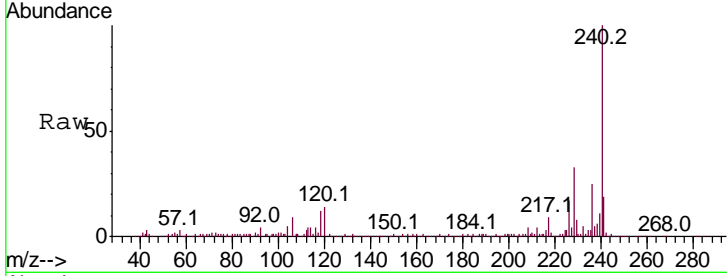
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.16 min Scan# 2052
 Delta R.T. -0.01 min
 Lab File: BF109916.D
 Acq: 17 Oct 2018 11:31

Instrument :
 BNA_F
ClientSampled :
 MOSAIC-FRAC-TANK-101518

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.7	8.3	12.5#
236	25.0	21.2	31.8

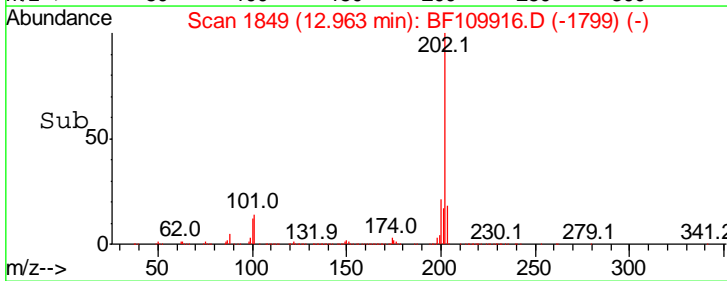
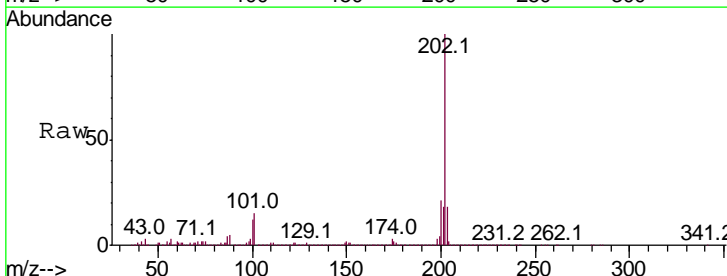
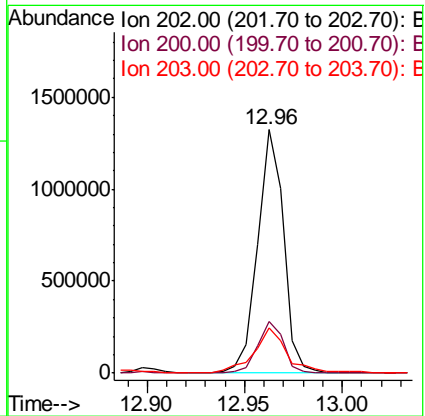
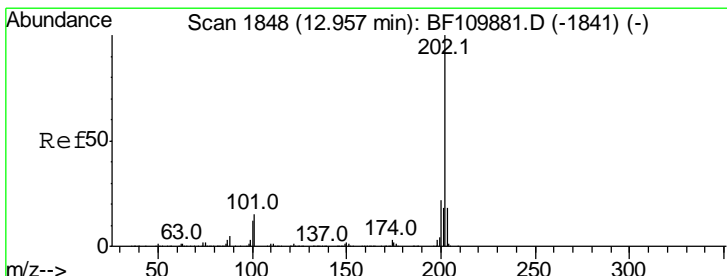
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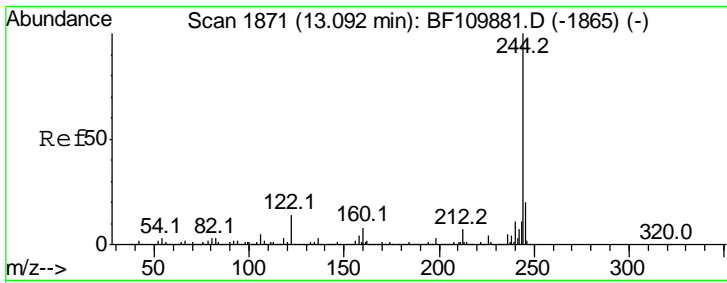
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#78
 Pyrene
 Concen: 27.907 ng
 RT: 12.96 min Scan# 1849
 Delta R.T. -0.01 min
 Lab File: BF109916.D
 Acq: 17 Oct 2018 11:31

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.8	26.6
203	18.4	14.2	21.4





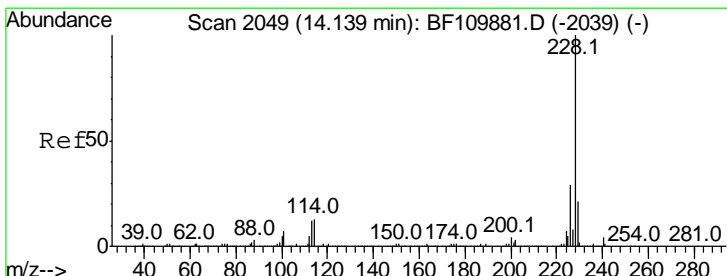
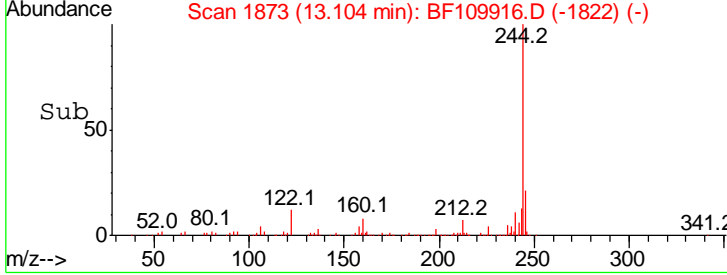
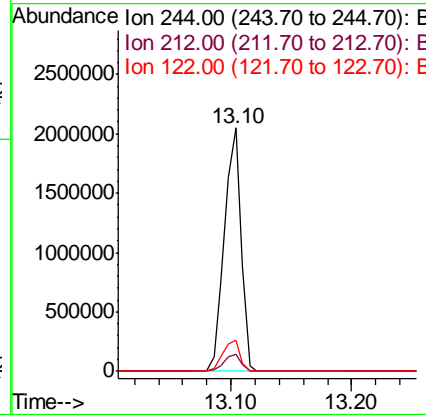
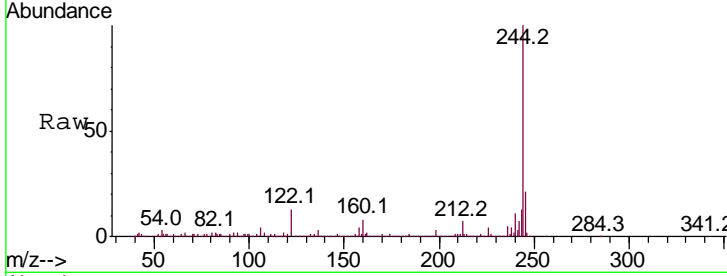
#79
 Terphenyl-d14
 Concen: 68.466 ng
 RT: 13.10 min Scan# 1873
 Delta R.T. -0.00 min
 Lab File: BF109916.D
 Acq: 17 Oct 2018 11:31

Instrument :
 BNA_F
ClientSampled :
 MOSAIC-FRAC-TANK-101518

Tgt Ion: 244 Resp: 1938556

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.8
122	12.6	8.7	13.1

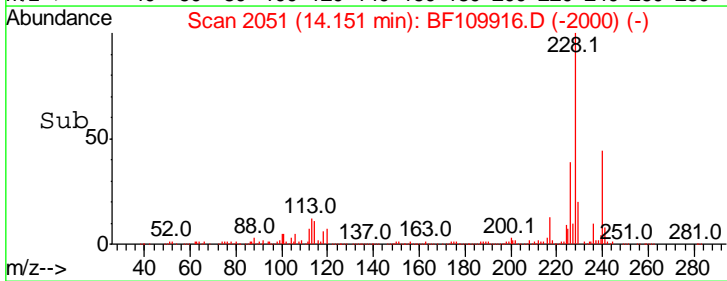
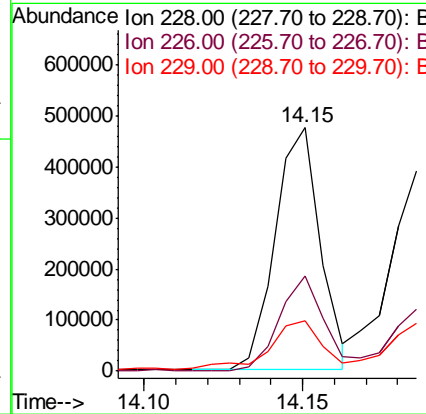
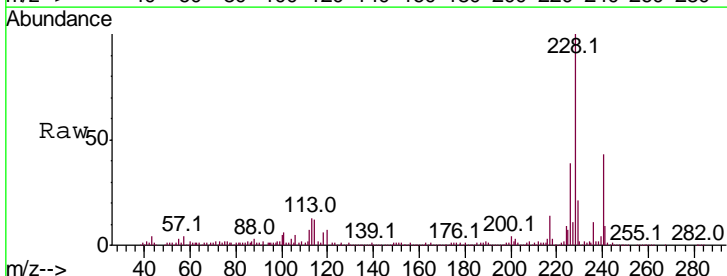
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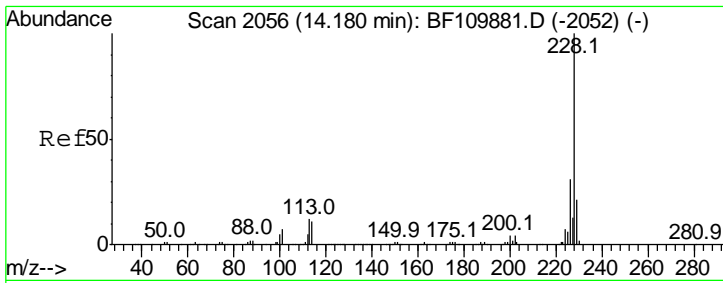


#81
 Benzo(a)anthracene
 Concen: 13.445 ng
 RT: 14.15 min Scan# 2051
 Delta R.T. -0.00 min
 Lab File: BF109916.D
 Acq: 17 Oct 2018 11:31

Tgt Ion: 228 Resp: 470876

Ion	Ratio	Lower	Upper
228	100		
226	39.0	22.1	33.1#
229	20.7	15.6	23.4





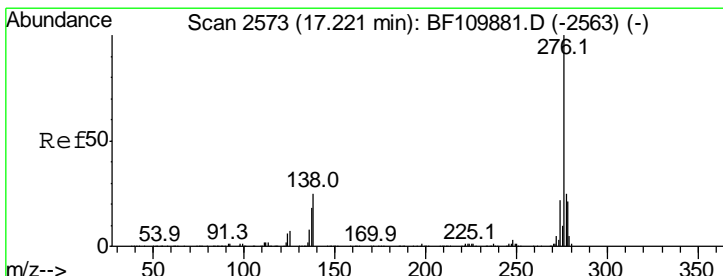
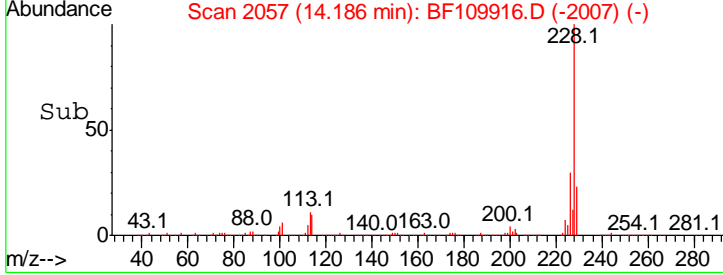
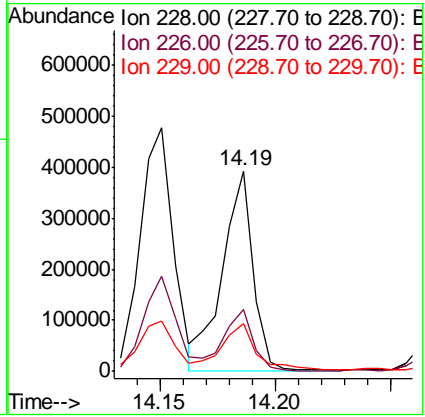
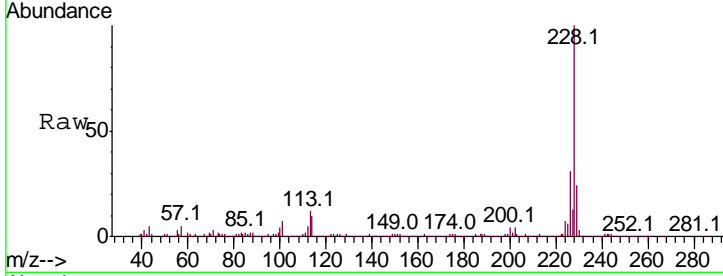
#83
 Chrysene
 Concen: 10.753 ng
 RT: 14.19 min Scan# 2057
 Delta R.T. -0.01 min
 Lab File: BF109916.D
 Acq: 17 Oct 2018 11:31

Instrument :
 BNA_F
ClientSampled :
 MOSAIC-FRAC-TANK-101518

Tgt Ion	Resp	Lower	Upper
228	100		
226	30.7	24.7	37.1
229	23.7	15.9	23.9

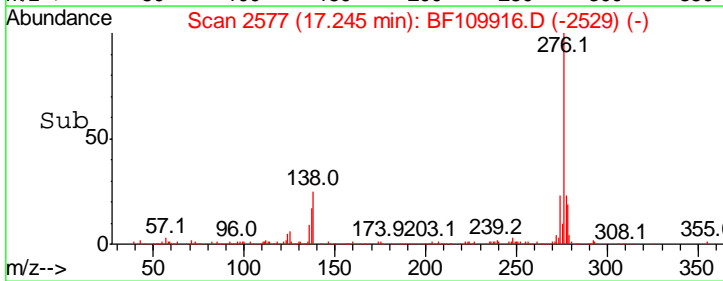
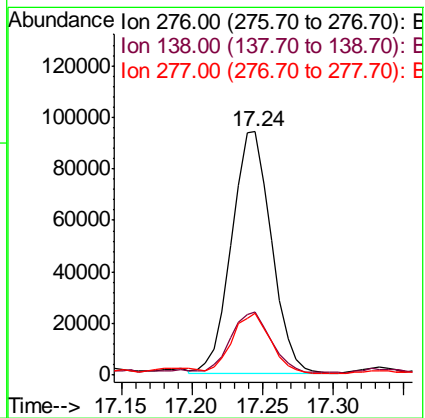
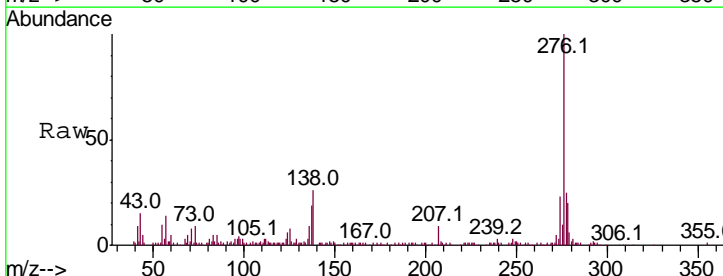
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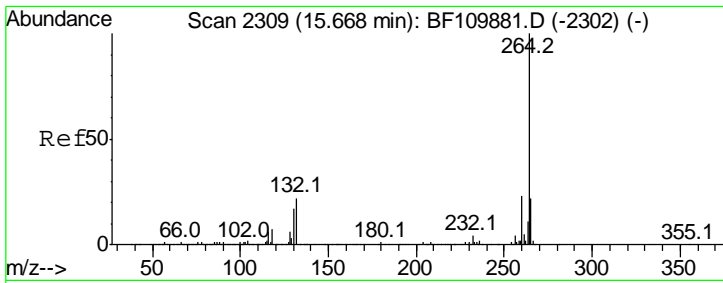
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#86
 Indeno(1,2,3-cd)pyrene
 Concen: 6.883 ng
 RT: 17.24 min Scan# 2577
 Delta R.T. -0.02 min
 Lab File: BF109916.D
 Acq: 17 Oct 2018 11:31

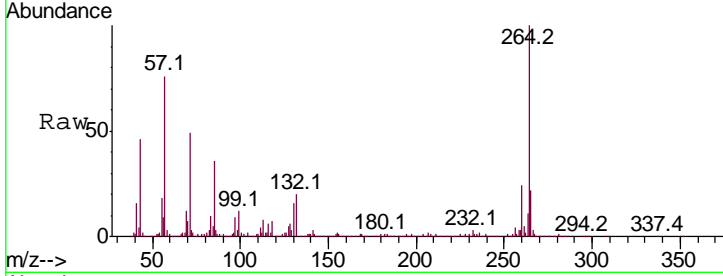
Tgt Ion	Resp	Lower	Upper
276	100		
138	25.5	18.5	27.7
277	24.4	20.0	30.0





#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2312
 Delta R.T. -0.01 min
 Lab File: BF109916.D
 Acq: 17 Oct 2018 11:31

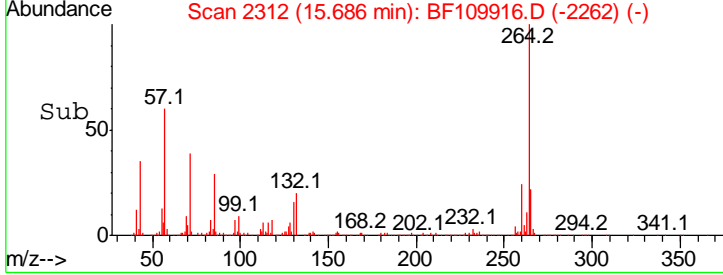
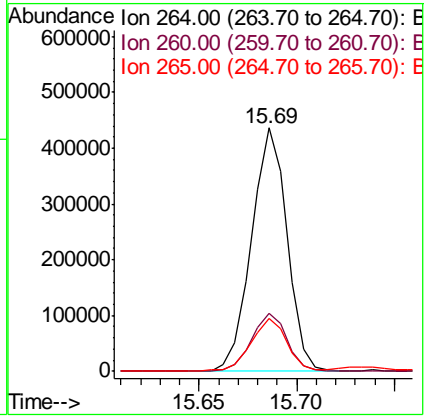
Instrument :
 BNA_F
ClientSampled :
 MOSAIC-FRAC-TANK-101518



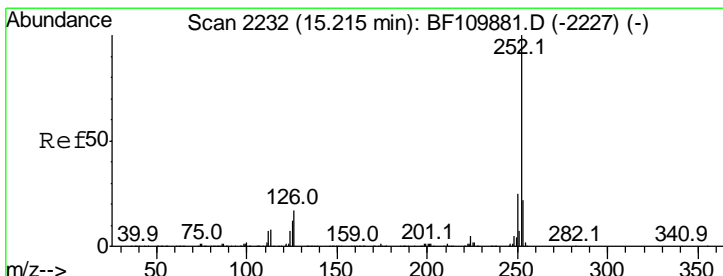
Tgt Ion: 264 Resp: 546443

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.7	28.1
265	21.9	16.7	25.1

Manual Integrations
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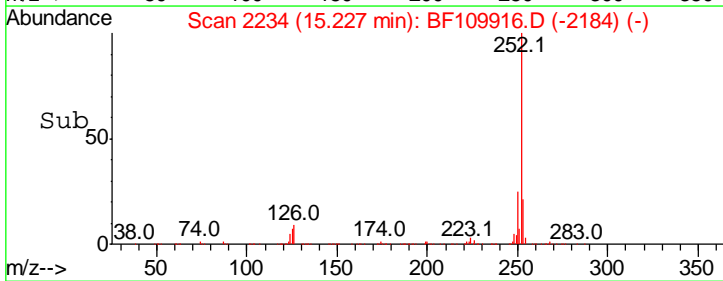
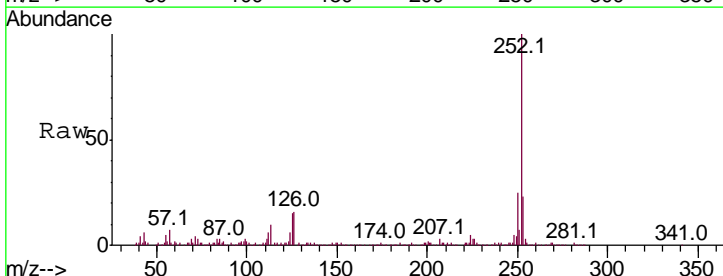
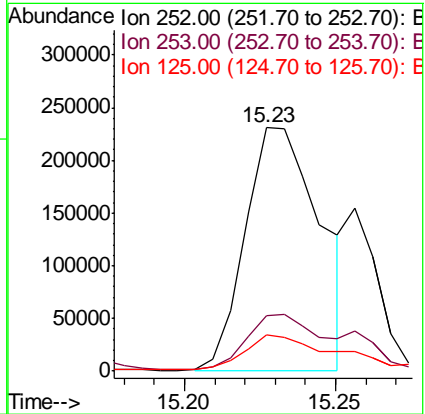


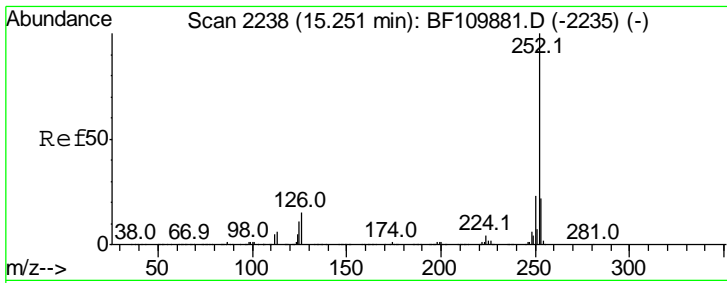
#88
 Benzo(b)fluoranthene
 Concen: 12.691 ng m
 RT: 15.23 min Scan# 2234
 Delta R.T. -0.01 min
 Lab File: BF109916.D
 Acq: 17 Oct 2018 11:31



Tgt Ion: 252 Resp: 399804

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.2	25.8
125	14.9	8.2	12.4#





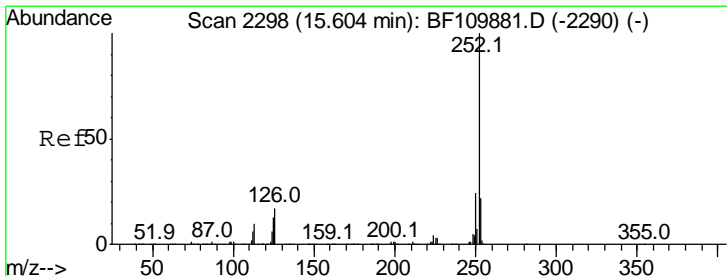
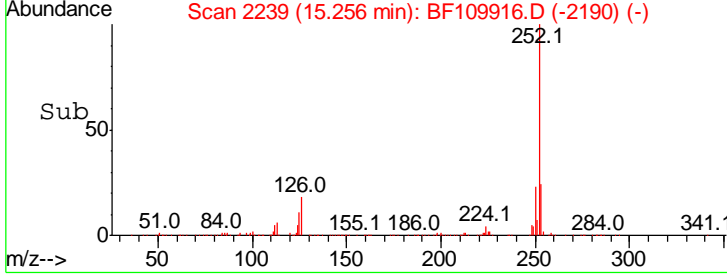
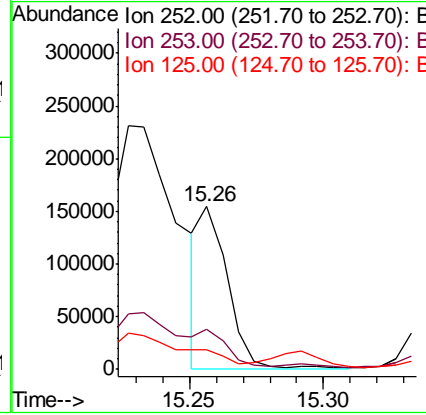
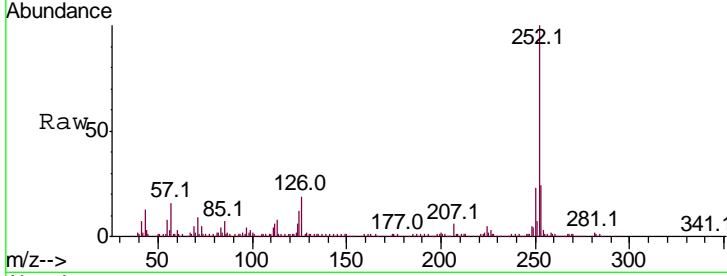
#89
 Benzo(k)fluoranthene
 Concen: 3.658 ng m
 RT: 15.26 min Scan# 2239
 Delta R.T. -0.01 min
 Lab File: BF109916.D
 Acq: 17 Oct 2018 11:31

Instrument :
 BNA_F
ClientSampled :
 MOSAIC-FRAC-TANK-101518

Tgt Ion	Resp	Lower	Upper
252	100		
253	24.3	17.2	25.8
125	12.1	7.4	11.0

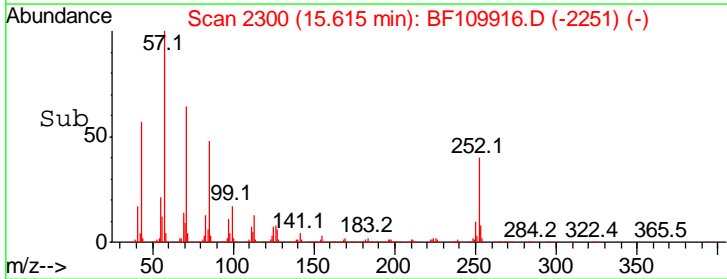
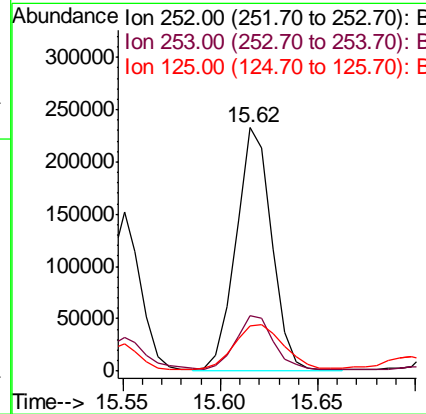
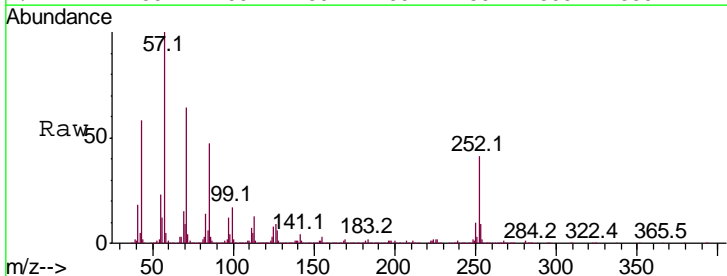
Manual Integrations
APPROVED

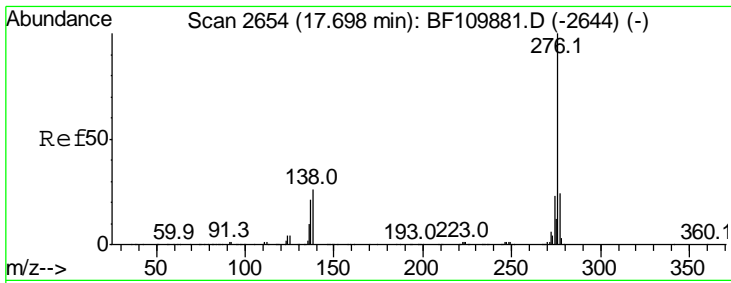
Sohil
 10/18/2018 2:04:09 PM



#90
 Benzo(a)pyrene
 Concen: 10.105 ng
 RT: 15.62 min Scan# 2300
 Delta R.T. -0.01 min
 Lab File: BF109916.D
 Acq: 17 Oct 2018 11:31

Tgt Ion	Resp	Lower	Upper
252	100		
253	22.6	18.2	27.4
125	18.8	9.0	13.6





#92
 Benzo(a,h,i)perylene
 Concen: 6.195 ng
 RT: 17.72 min Scan# 2658
 Delta R.T. -0.02 min
 Lab File: BF109916.D
 Acq: 17 Oct 2018 11:31

Instrument :
 BNA_F
ClientSampled :
 MOSAIC-FRAC-TANK-101518

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.8	28.2
138	24.9	16.0	24.0#

Manual Integrations
APPROVED
 Sohil
 10/18/2018 2:04:09 PM

