

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091018\
 Data File : BF108896.D
 Acq On : 10 Sep 2018 16:43
 Operator : JU/SJ
 Sample : J4777-05 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-05-090718-C

Manual Integrations
 APPROVED

Quant Time: Sep 10 19:00:31 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 05 18:03:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	Sohil
1) 1,4-Dichlorobenzene-d4	6.74	152	210535	20.00	ng	0.00	
21) Naphthalene-d8	8.02	136	770312	20.00	ng	0.00	
38) Acenaphthene-d10	9.77	164	327166	20.00	ng	0.00	
63) Phenanthrene-d10	11.25	188	522365	20.00	ng	0.00	9/11/2018 9:26:19 AM
75) Chrysene-d12	13.88	240	452225	20.00	ng	0.02	
86) Perylene-d12	15.29	264	368955	20.00	ng	0.03	
System Monitoring Compounds							
5) 2-Fluorophenol	5.34	112	579214	45.58	ng	0.00	
7) Phenol-d6	6.37	99	737849	45.12	ng	0.00	
23) Nitrobenzene-d5	7.30	82	437767	35.56	ng	0.00	
41) 2,4,6-Tribromophenol	10.55	330	131084	41.97	ng	0.00	
44) 2-Fluorobiphenyl	9.10	172	796248	41.52	ng	0.00	
78) Terphenyl-d14	12.83	244	640554	33.03	ng	0.00	
Target Compounds						Qvalue	
31) Naphthalene	8.04	128	169904	4.903	ng		99
37) 2-Methylnaphthalene	8.73	142	53854	2.352	ng		99
49) Dimethylphthalate	9.48	163	190014	8.304	ng	#	99
51) Acenaphthene	9.80	154	137862	7.337	ng		100
54) Dibenzofuran	9.97	168	175014	6.390	ng		99
57) Fluorene	10.31	166	254161	14.460	ng		99
70) Phenanthrene	11.28	178	1480826	59.363	ng		98
71) Anthracene	11.32	178	541027	22.653	ng		99
72) Carbazole	11.47	167	95239	3.786	ng		98
74) Fluoranthene	12.46	202	2125873	86.074	ng		99
77) Pyrene	12.69	202	1871237	53.774	ng		97
80) Benzo(a)anthracene	13.87	228	1188224	40.993	ng		97
82) Chrysene	13.91	228	1054772m	37.589	ng		
85) Indeno(1,2,3-cd)pyrene	16.66	276	408762	16.460	ng	#	92
87) Benzo(b)fluoranthene	14.89	252	1227880m	61.204	ng		
88) Benzo(k)fluoranthene	14.92	252	330999m	17.916	ng		
89) Benzo(a)pyrene	15.24	252	775172	42.822	ng		98
90) Dibenzo(a,h)anthracene	16.67	278	102946	6.454	ng		93
91) Benzo(a,h,i)perylene	17.07	276	358239	22.431	ng		93

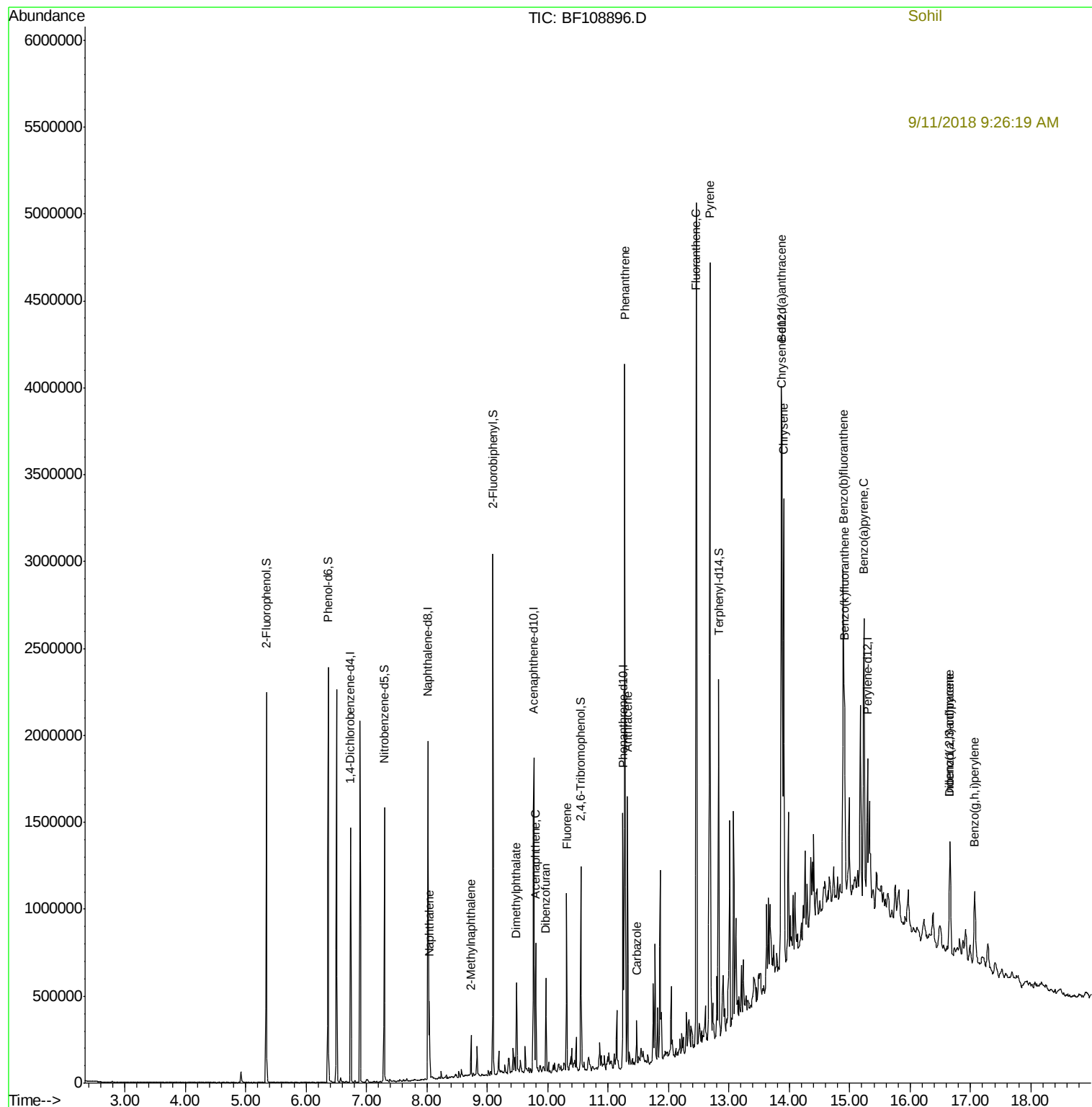
(#) = qualifier out of range (m) = manual integration (+) = signals summed

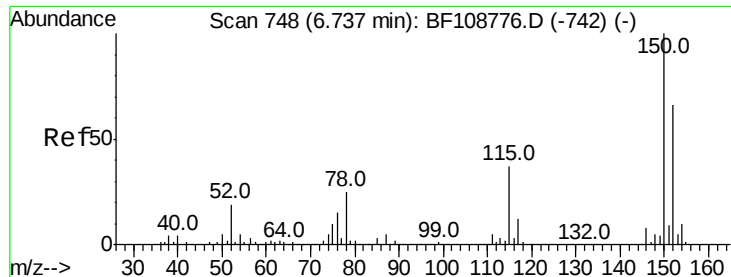
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091018\
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Sample : J4777-05 2X
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Quant Time: Sep 10 19:00:31 2018
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QLast Update : Wed Sep 05 18:03:31 2018
Response via : Initial Calibration





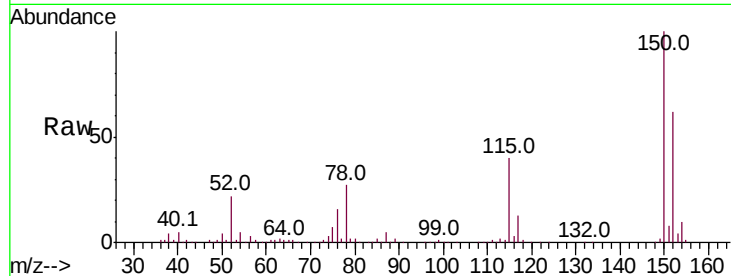
#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 748
Delta R.T. -0.00 min
Lab File: BF108896.D
Acq: 10 Sep 2018 16:43

Instrument :
BNA_F
ClientSampleId :
PL-05-090718-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.2	124.6	186.8
115	63.8	50.1	75.1

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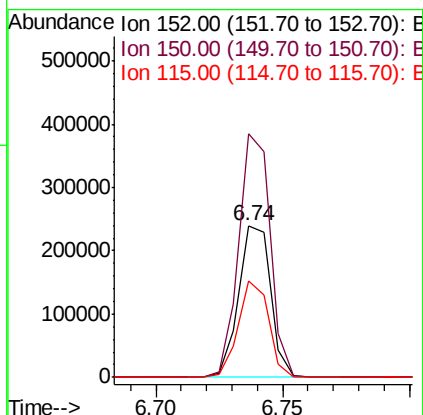
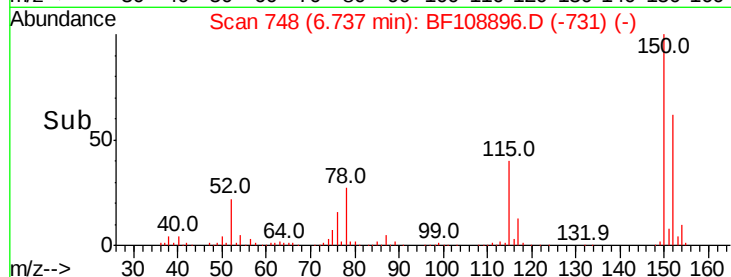
Abundance

Ion 152.00 (151.70 to 152.70): E

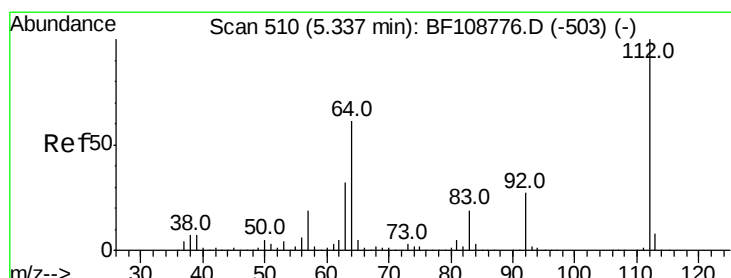
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E

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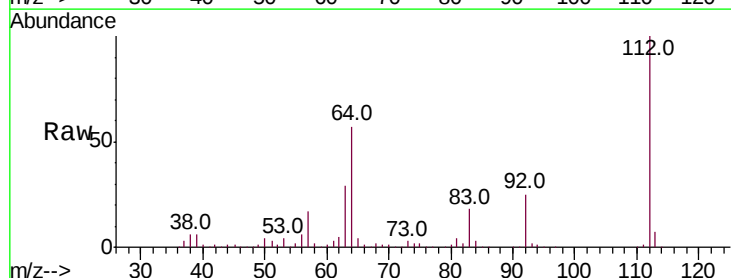
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#5

2-Fluorophenol
Concen: 45.577 ng
RT: 5.34 min Scan# 511
Delta R.T. 0.01 min
Lab File: BF108896.D
Acq: 10 Sep 2018 16:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.0	47.9	71.9
63	29.0	23.7	35.5

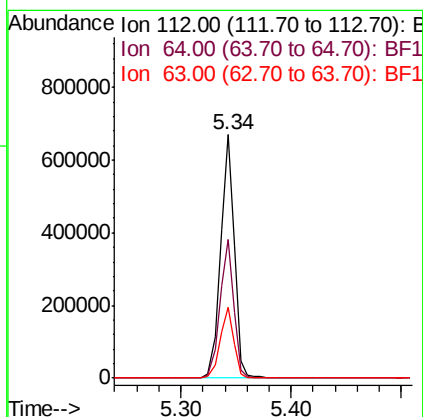
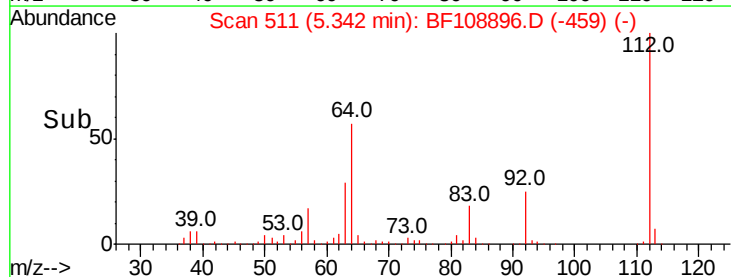


Abundance

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: 45.125 ng

RT: 6.37 min Scan# 685

Delta R.T. -0.00 min

Lab File: BF108896.D

Acq: 10 Sep 2018 16:43

Instrument :

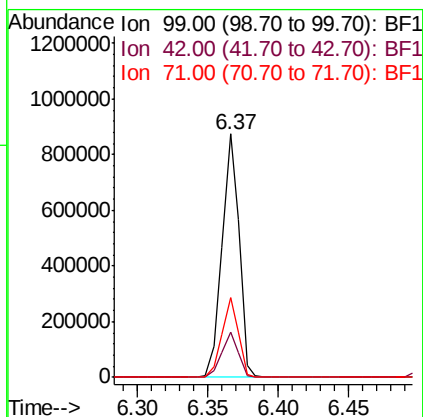
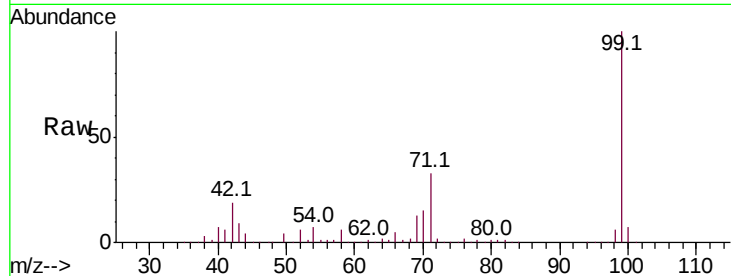
BNA_F

ClientSampleId :

PL-05-090718-C

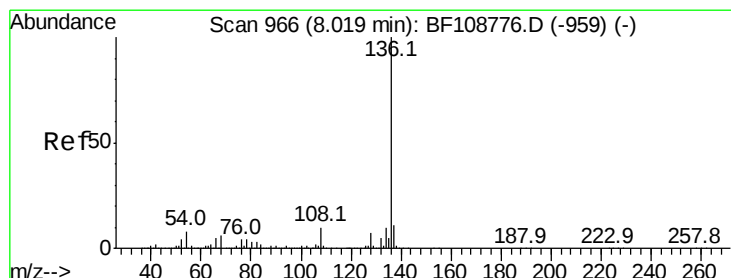
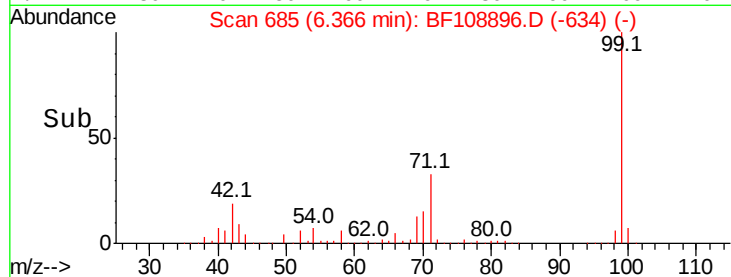
Tot Ion:	99	Resp:	737849
Ion Ratio	Lower	Upper	
99	100		
42	18.8	14.5	21.7
71	32.6	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

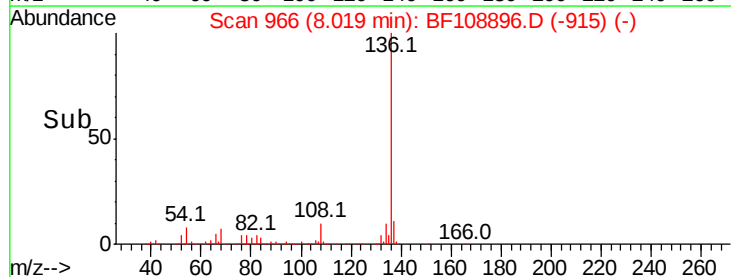
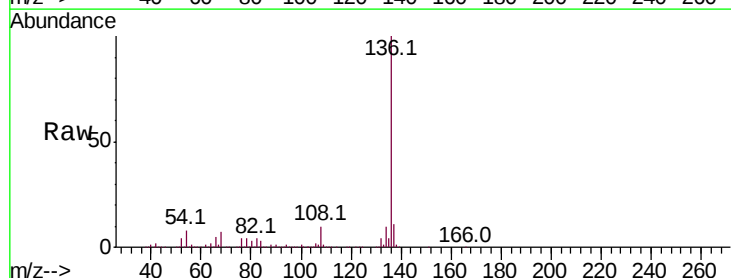
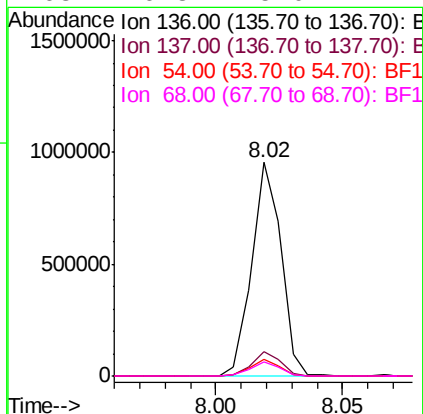
RT: 8.02 min Scan# 966

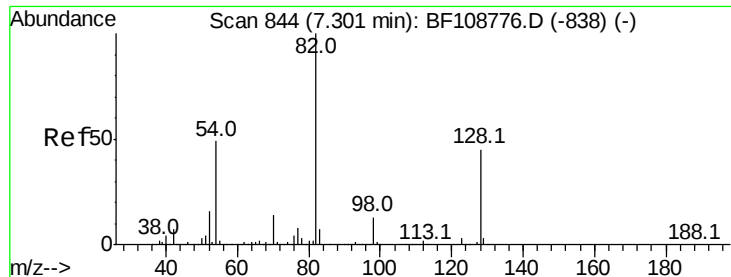
Delta R.T. -0.00 min

Lab File: BF108896.D

Acq: 10 Sep 2018 16:43

Tgt Ion:	136	Resp:	770312
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.9	13.3
54	7.9	6.6	9.8
68	6.8	5.0	7.4



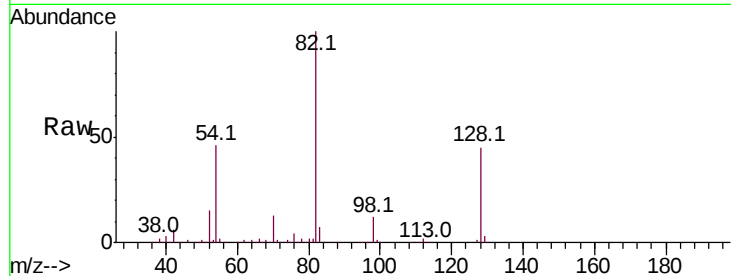


#23
Nitrobenzene-d5
Concen: 35.565 ng
RT: 7.30 min Scan# 843
Delta R.T. -0.01 min
Lab File: BF108896.D
Acq: 10 Sep 2018 16:43

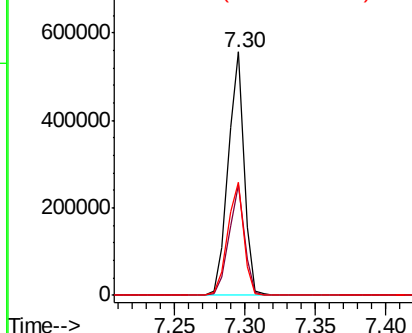
Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.3	36.1	54.1	
54	46.5	41.4	62.2	

Manual Integrations
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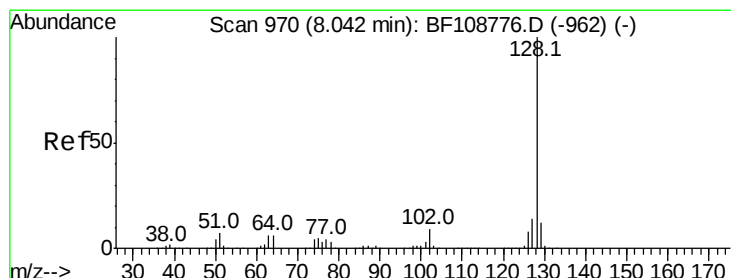
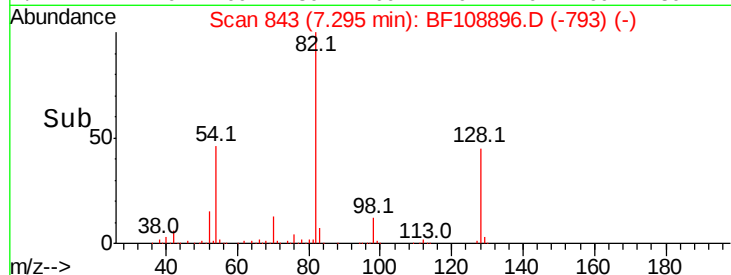


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1



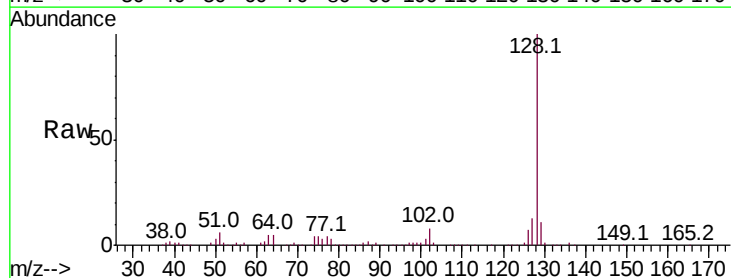
Sohil

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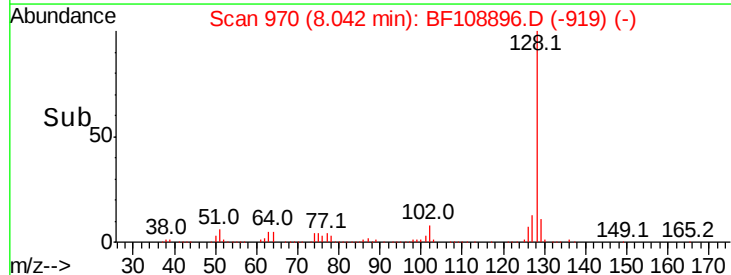
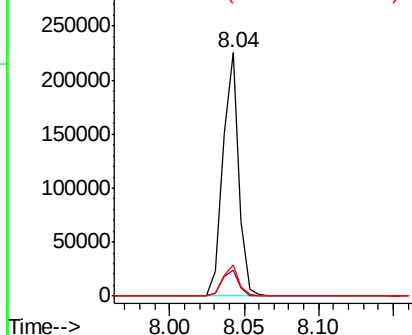


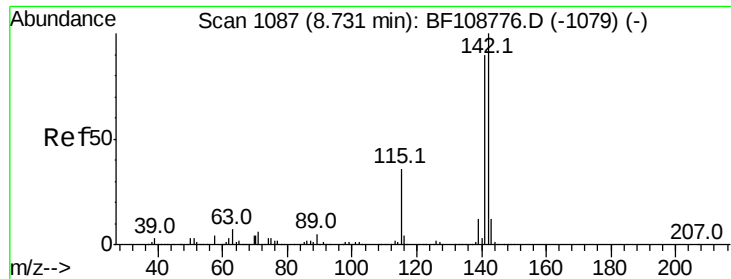
#31
Naphthalene
Concen: 4.903 ng
RT: 8.04 min Scan# 970
Delta R.T. -0.00 min
Lab File: BF108896.D
Acq: 10 Sep 2018 16:43

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	10.7	8.8	13.2	
127	12.9	10.9	16.3	



Abundance Ion 128.00 (127.70 to 128.70): BF1
Ion 129.00 (128.70 to 129.70): BF1
Ion 127.00 (126.70 to 127.70): BF1



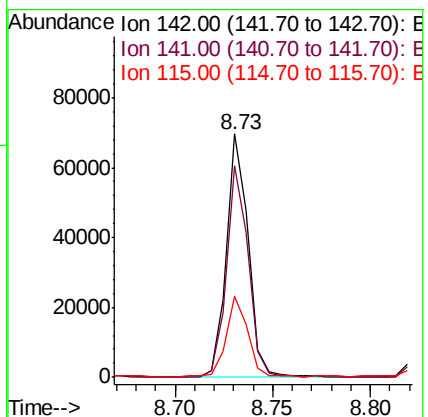
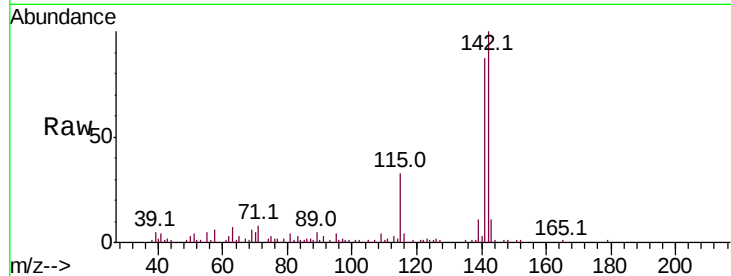


#37
2-Methylnaphthalene
Concen: 2.352 ng
RT: 8.73 min Scan# 1087
Delta R.T. -0.00 min
Lab File: BF108896.D
Acq: 10 Sep 2018 16:43

Instrument :
BNA_F
ClientSampleId :
PL-05-090718-C

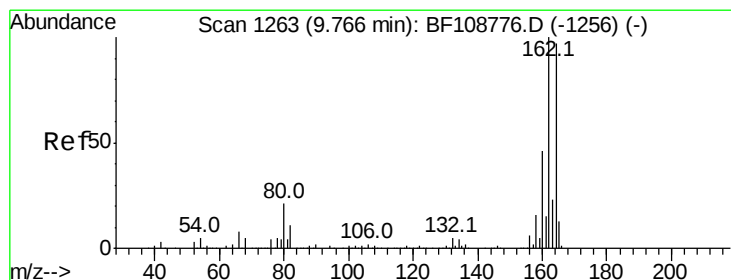
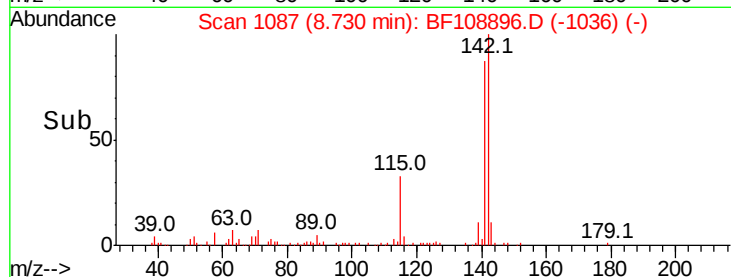
Tot Ion	Ratio	Lower	Upper
142	100		
141	87.1	70.8	106.2
115	33.2	26.1	39.1

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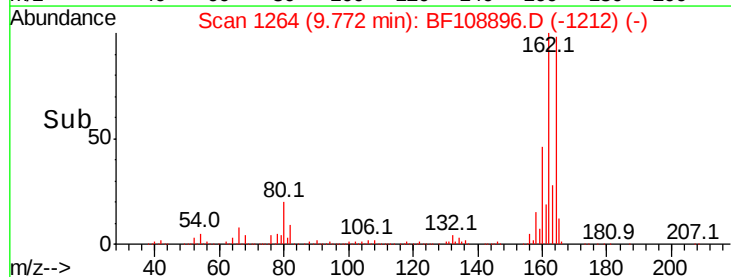
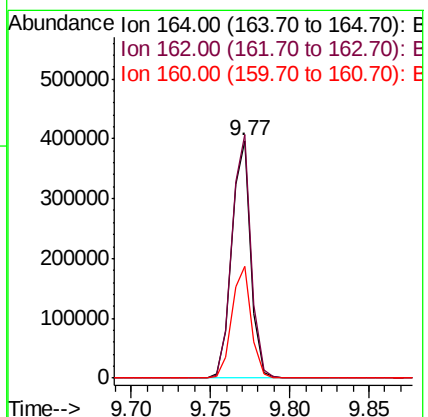
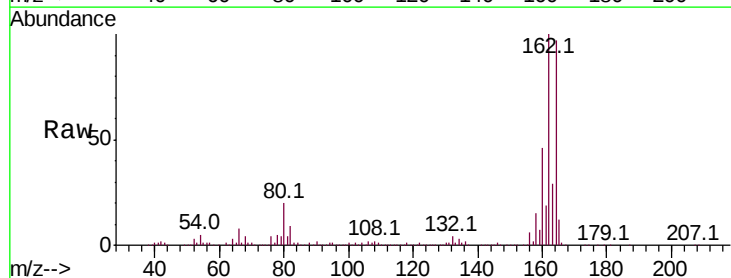
Sohil

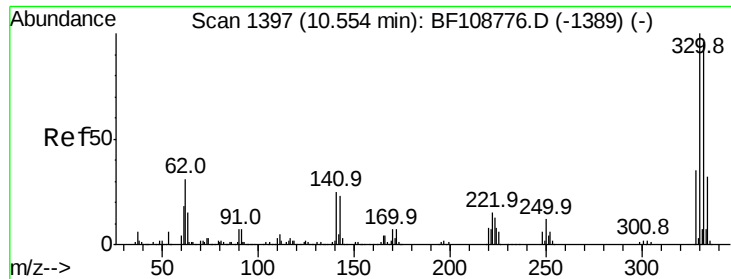
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1264
Delta R.T. 0.01 min
Lab File: BF108896.D
Acq: 10 Sep 2018 16:43

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.6	86.1	129.1
160	47.0	38.3	57.5



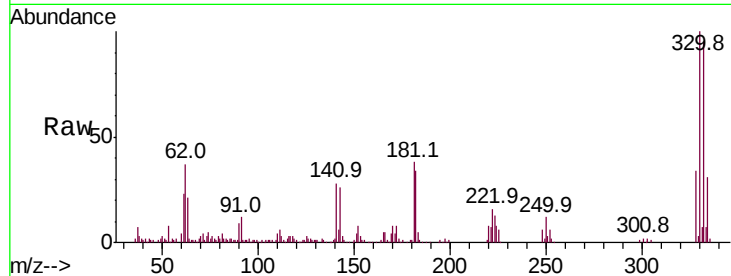


#41
 2,4,6-Tribromophenol
 Concen: 41.970 ng
 RT: 10.55 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: BF108896.D
 Acq: 10 Sep 2018 16:43

Instrument :
 BNA_F
 ClientSampleId :
 PL-05-090718-C

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.7	77.0	115.6	
141	31.8	29.9	44.9	

Manual Integrations
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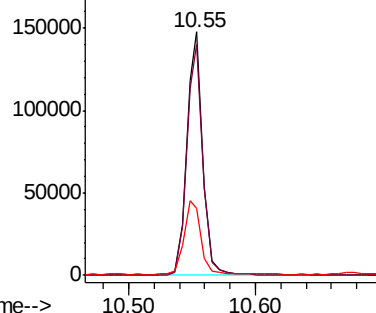


Abundance

Ion 329.80 (329.50 to 330.50): E

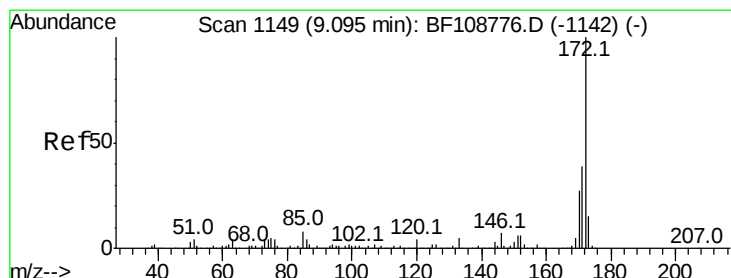
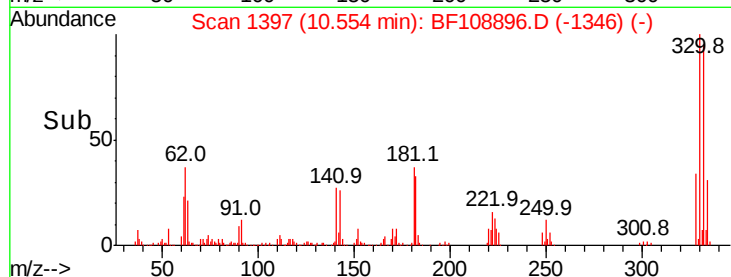
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



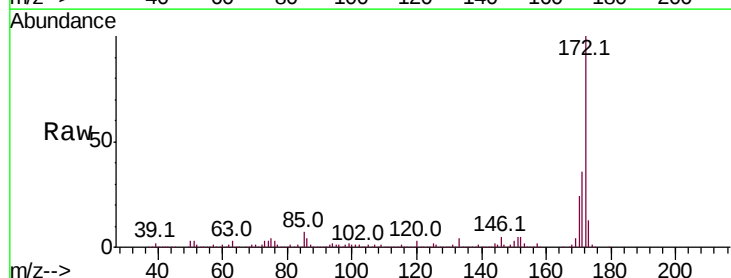
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#44
 2-Fluorobiphenyl
 Concen: 41.520 ng
 RT: 9.10 min Scan# 1149
 Delta R.T. -0.00 min
 Lab File: BF108896.D
 Acq: 10 Sep 2018 16:43

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.6	29.7	44.5	
170	23.7	19.6	29.4	

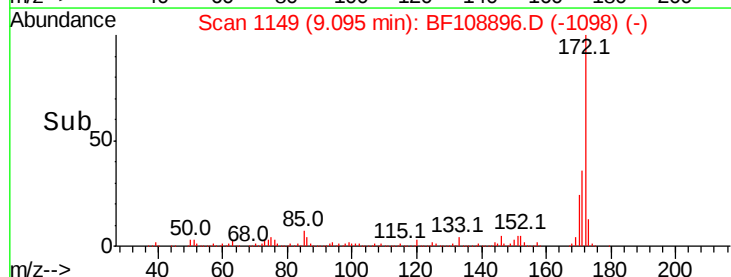
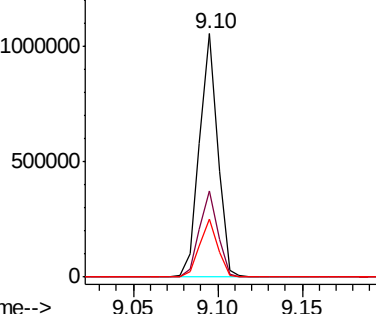


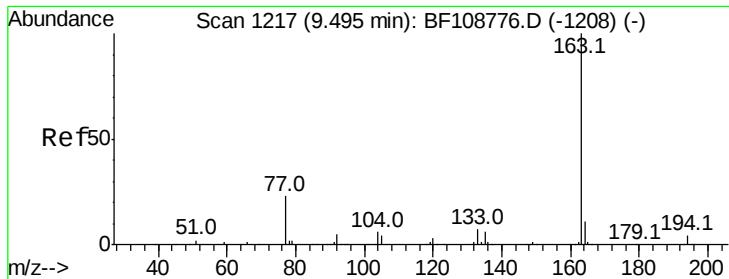
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



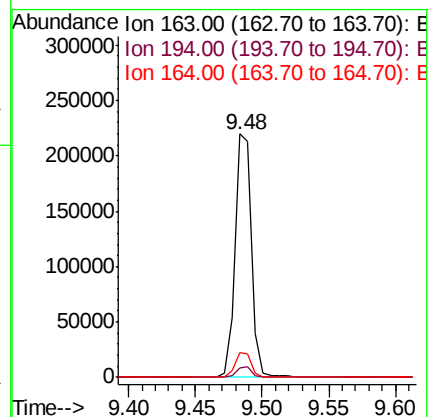
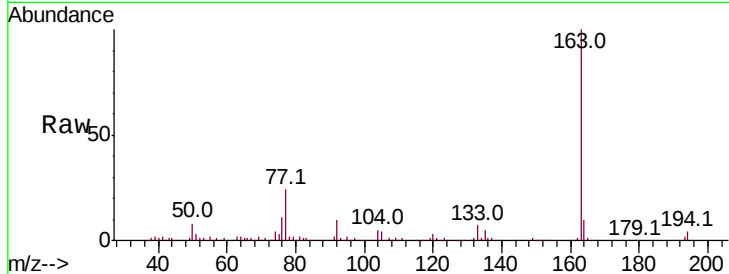


#49
Dimethylphthalate
Concen: 8.304 ng
RT: 9.48 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF108896.D
Acq: 10 Sep 2018 16:43

Instrument :
BNA_F
ClientSampleId :
PL-05-090718-C

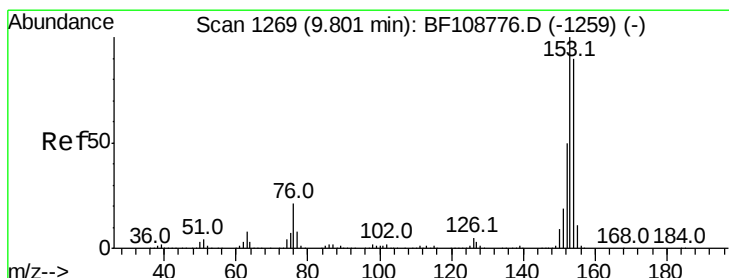
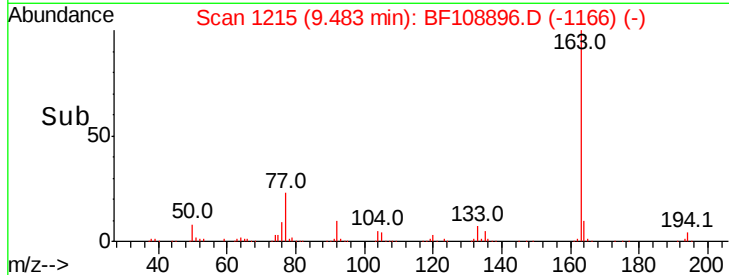
Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.1	2.7	4.1#	
164	10.3	8.2	12.2	

Manual Integrations
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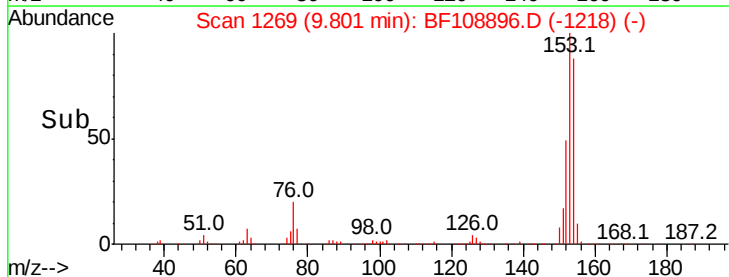
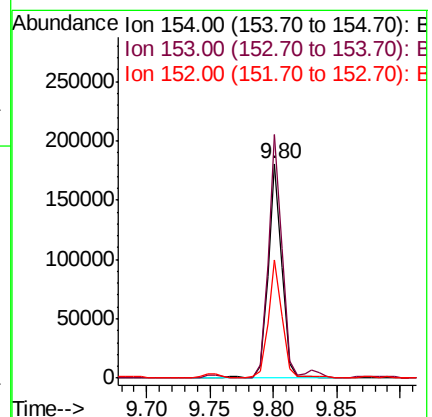
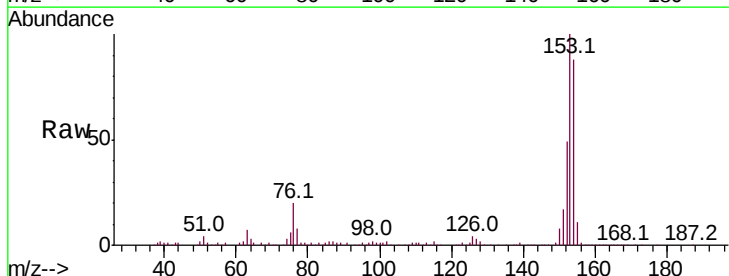
Sohil

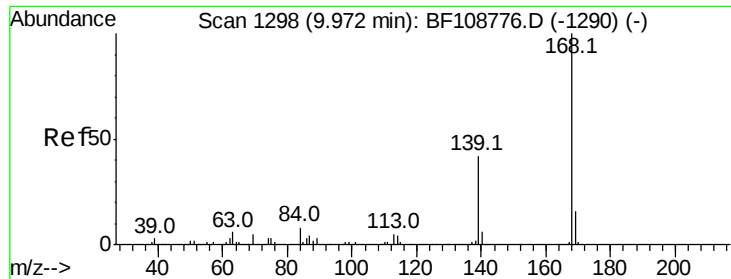
9/11/2018 9:26:19 AM



#51
Acenaphthene
Concen: 7.337 ng
RT: 9.80 min Scan# 1269
Delta R.T. -0.00 min
Lab File: BF108896.D
Acq: 10 Sep 2018 16:43

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	113.6	91.2	136.8	
152	55.1	43.8	65.8	



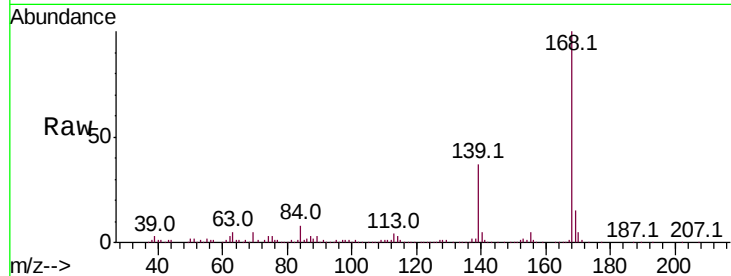


#54
Dibenzofuran
Concen: 6.390 ng
RT: 9.97 min Scan# 1298
Delta R.T. -0.00 min
Lab File: BF108896.D
Acq: 10 Sep 2018 16:43

Instrument :
BNA_F
ClientSampleId :
PL-05-090718-C

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.4	30.1	45.1
169	15.1	10.9	16.3

Manual Integrations
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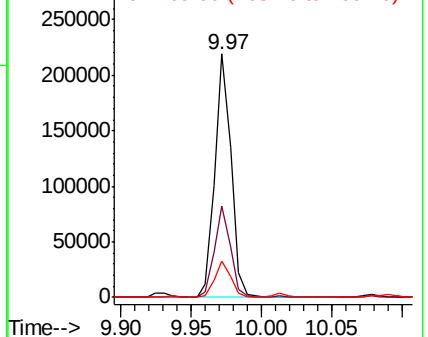


Abundance

Ion 168.00 (167.70 to 168.70): E

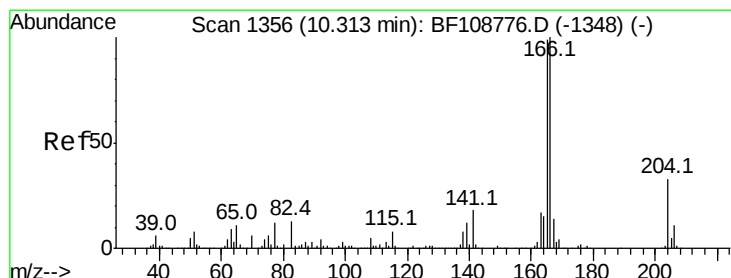
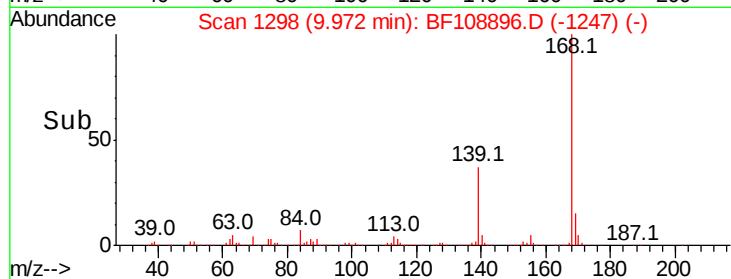
Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



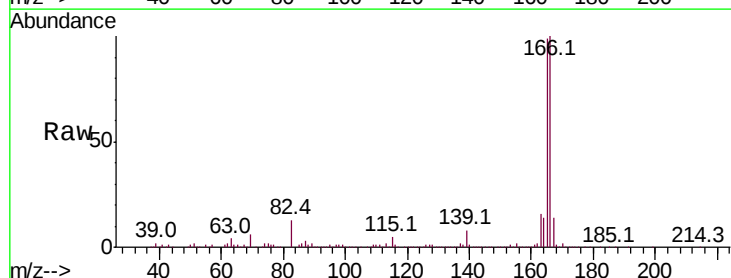
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#57
Fluorene
Concen: 14.460 ng
RT: 10.31 min Scan# 1356
Delta R.T. -0.00 min
Lab File: BF108896.D
Acq: 10 Sep 2018 16:43

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.5	79.8	119.8
167	13.8	10.6	16.0

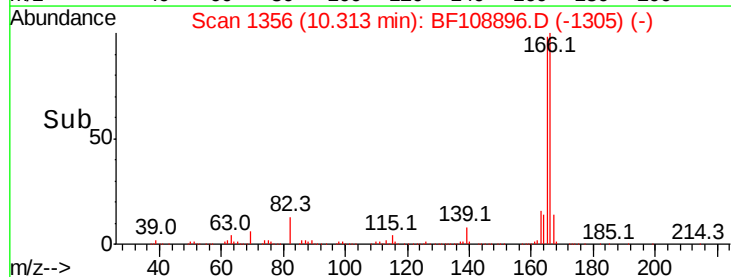
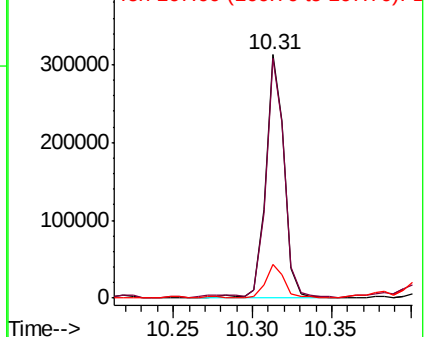


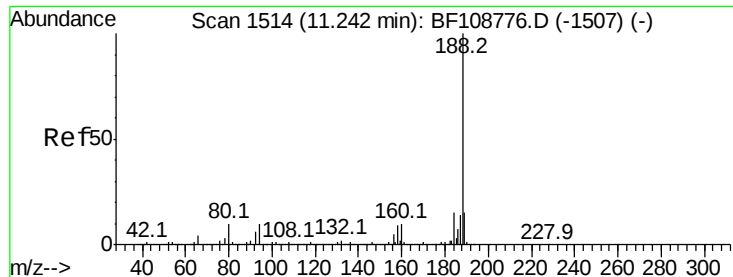
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



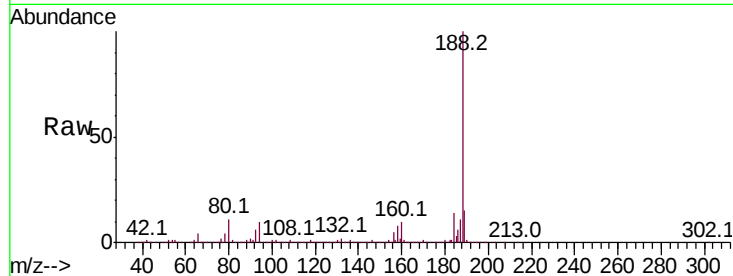


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1515
Delta R.T. 0.01 min
Lab File: BF108896.D
Acq: 10 Sep 2018 16:43

Instrument :
BNA_F
ClientSampleId :
PL-05-090718-C

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.1	8.5	12.7
80	11.3	9.2	13.8

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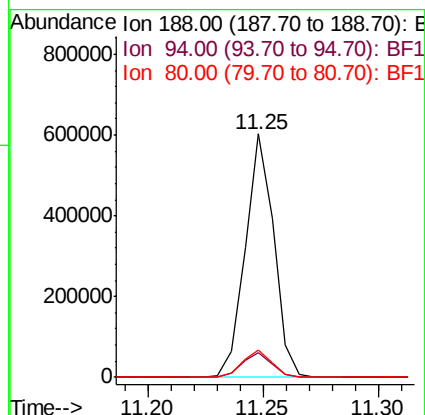
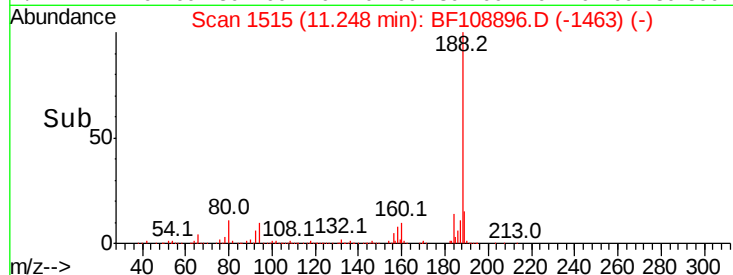


Abundance

Ion 188.00 (187.70 to 188.70): E

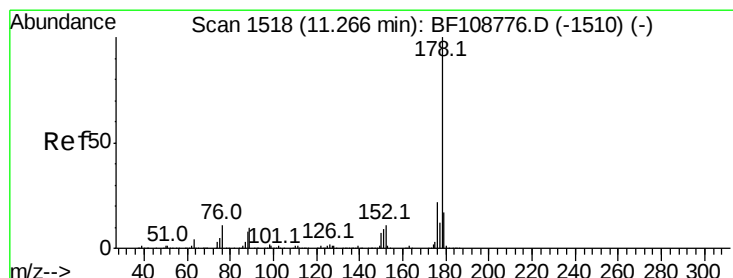
Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



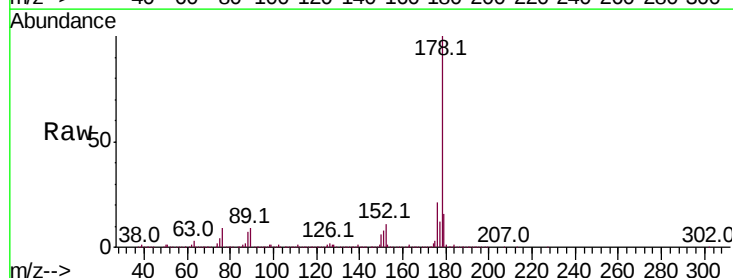
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#70
Phenanthrene
Concen: 59.363 ng
RT: 11.28 min Scan# 1520
Delta R.T. 0.01 min
Lab File: BF108896.D
Acq: 10 Sep 2018 16:43

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	20.8	15.8	23.8
179	16.0	13.0	19.6

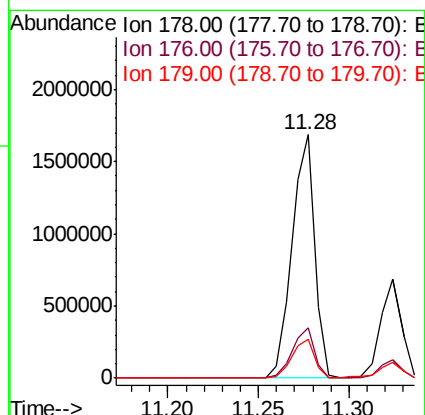
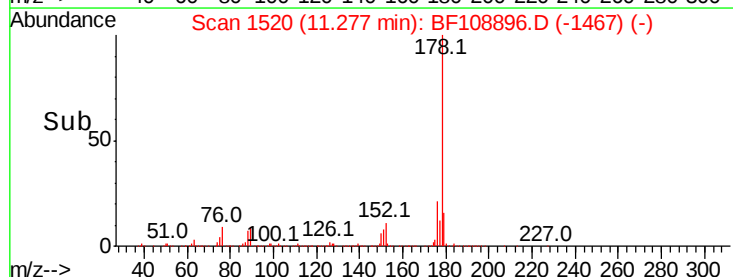


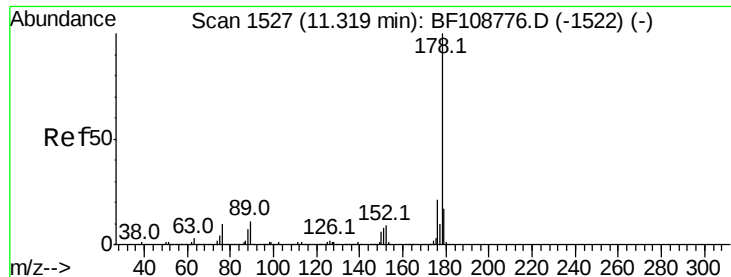
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



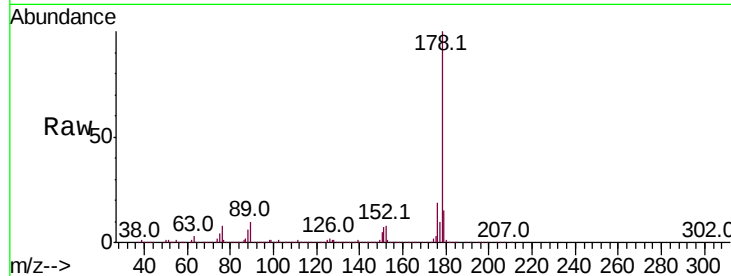


#71
 Anthracene
 Concen: 22.653 ng
 RT: 11.32 min Scan# 1528
 Delta R.T. 0.01 min
 Lab File: BF108896.D
 Acq: 10 Sep 2018 16:43

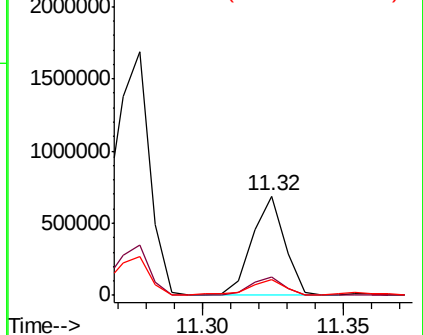
Instrument :
 BNA_F
 ClientSampleId :
 PL-05-090718-C

Tot Ion:178	Resp:	541027
Ion Ratio	Lower	Upper
178	100	
176	19.1	15.4 23.2
179	15.4	12.6 19.0

Manual Integrations
 APPROVED

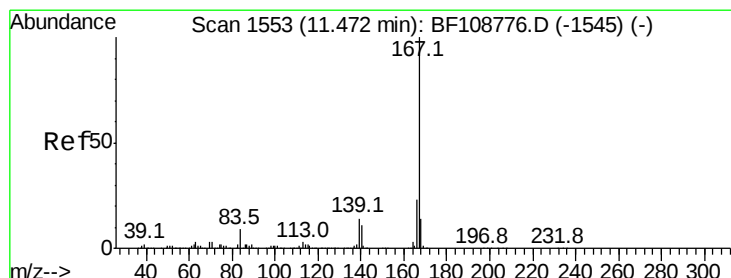
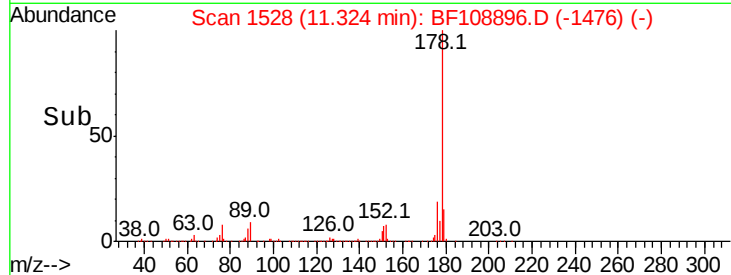


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E



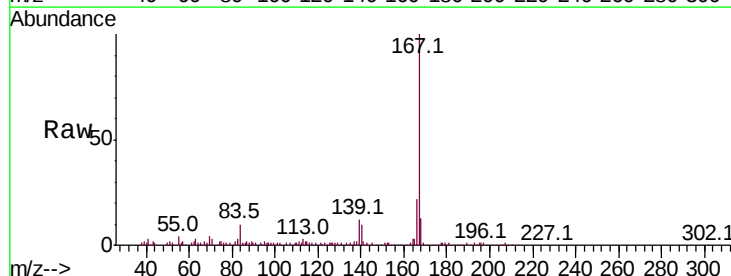
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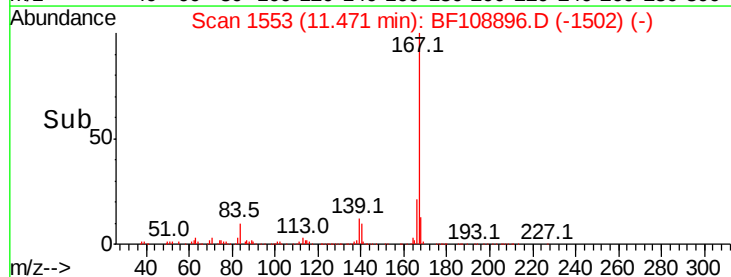
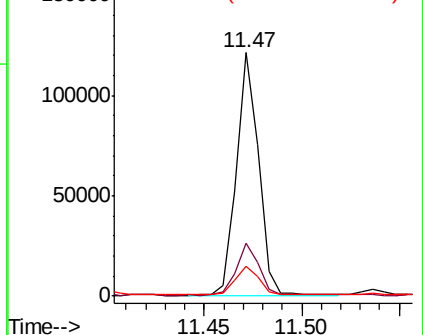


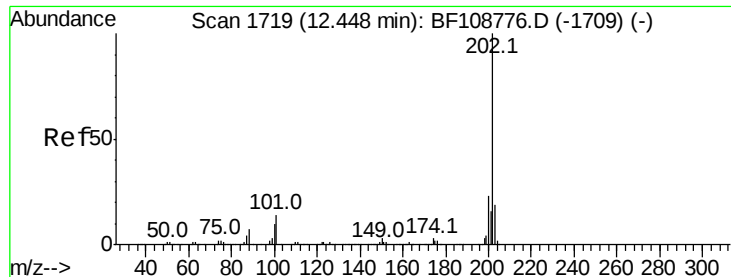
#72
 Carbazole
 Concen: 3.786 ng
 RT: 11.47 min Scan# 1553
 Delta R.T. -0.00 min
 Lab File: BF108896.D
 Acq: 10 Sep 2018 16:43

Tgt Ion:167	Resp:	95239
Ion Ratio	Lower	Upper
167	100	
166	21.7	17.6 26.4
139	12.2	10.9 16.3



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





#74

Fluoranthene

Concen: 86.074 ng

RT: 12.46 min Scan# 1721

Delta R.T. 0.01 min

Lab File: BF108896.D

Acq: 10 Sep 2018 16:43

Instrument :

BNA_F

ClientSampleId :

PL-05-090718-C

Tot Ion:202 Resp: 2125873

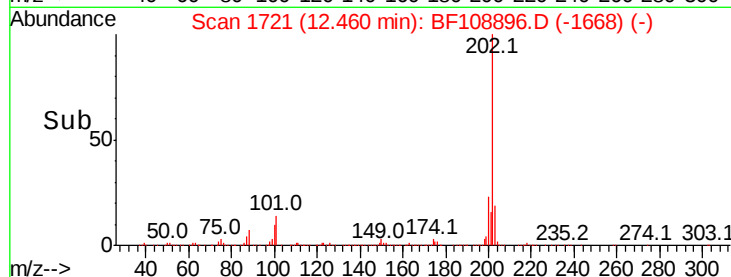
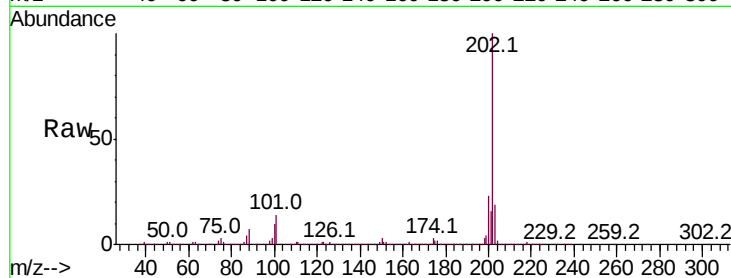
Ion Ratio Lower Upper

202 100

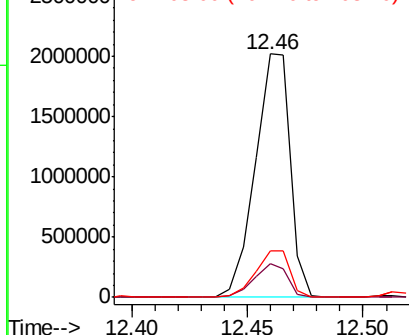
101 13.9 0.0 34.1

203 19.1 0.0 38.1

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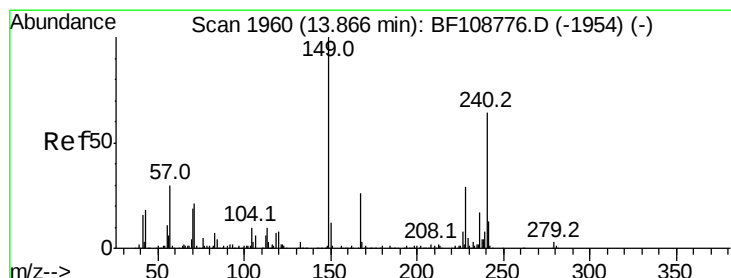


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



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#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.88 min Scan# 1963

Delta R.T. 0.02 min

Lab File: BF108896.D

Acq: 10 Sep 2018 16:43

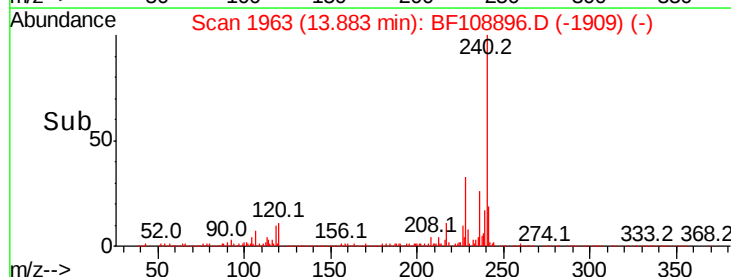
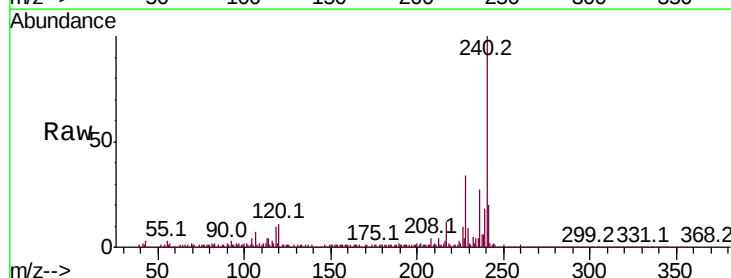
Tgt Ion:240 Resp: 452225

Ion Ratio Lower Upper

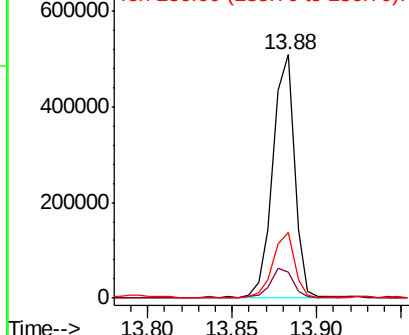
240 100

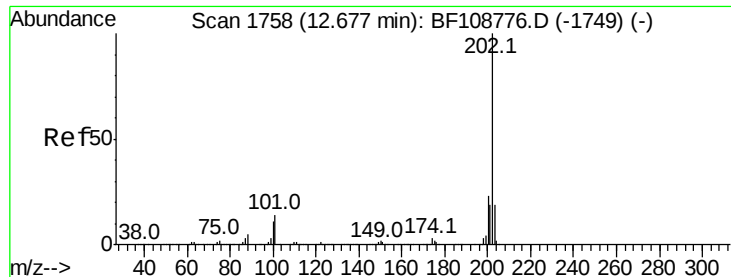
120 10.8 9.5 14.3

236 26.9 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



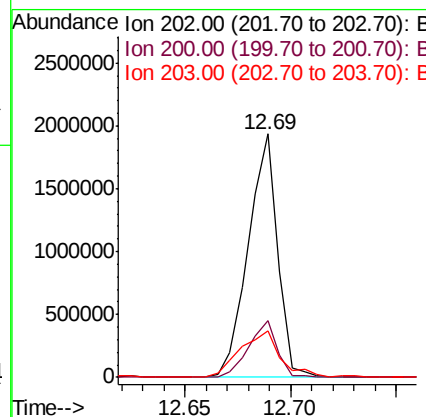
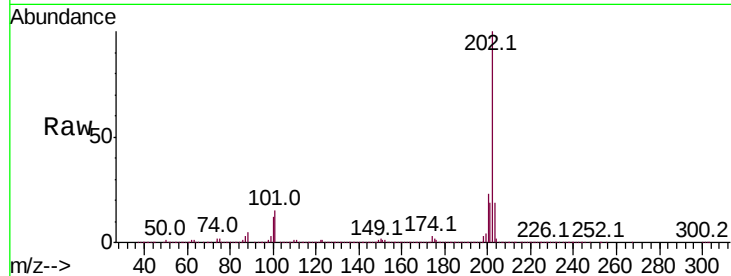


#77
Pvrene
Concen: 53.774 ng
RT: 12.69 min Scan# 1760
Delta R.T. 0.01 min
Lab File: BF108896.D
Acq: 10 Sep 2018 16:43

Instrument :
BNA_F
ClientSampleId :
PL-05-090718-C

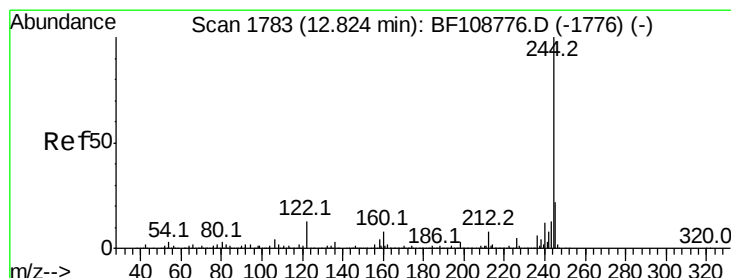
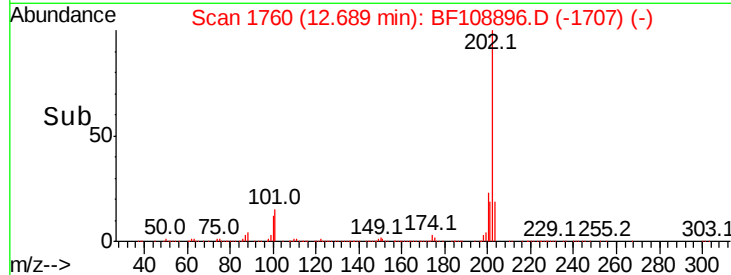
Tot Ion	Ratio	Lower	Upper
202	100		
200	23.1	17.4	26.2
203	18.9	14.3	21.5

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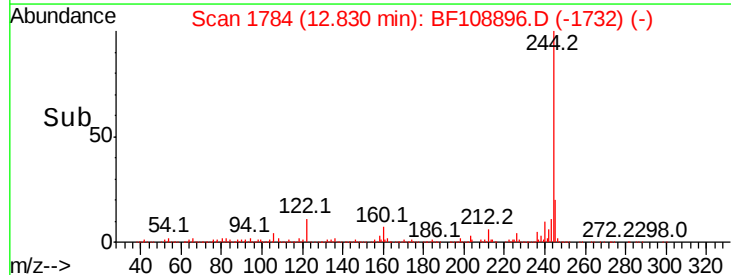
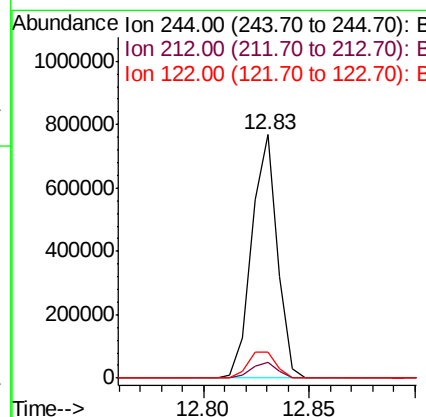
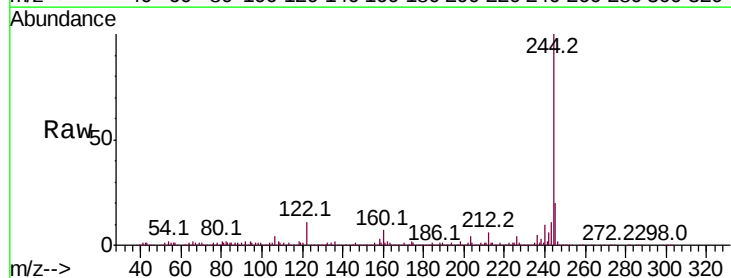
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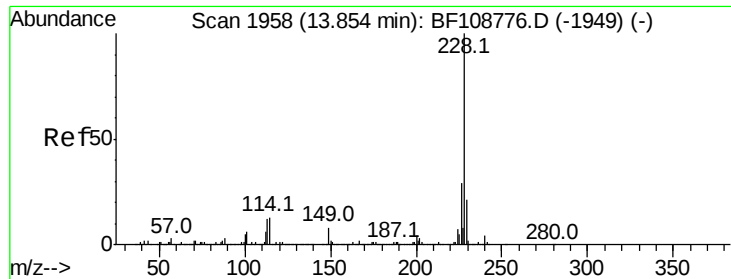
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#78
Terphenyl-d14
Concen: 33.030 ng
RT: 12.83 min Scan# 1784
Delta R.T. 0.01 min
Lab File: BF108896.D
Acq: 10 Sep 2018 16:43

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.4	8.0
122	10.9	11.0	16.4#



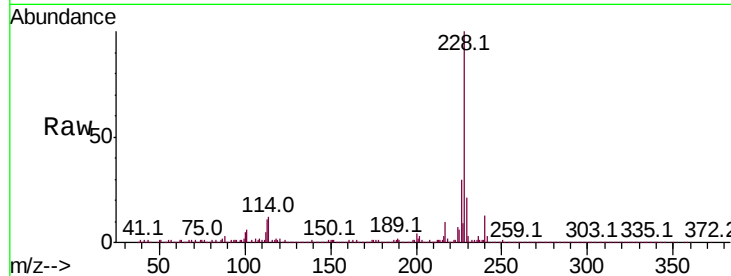


#80
Benzo(a)anthracene
Concen: 40.993 ng
RT: 13.87 min Scan# 1961
Delta R.T. 0.02 min
Lab File: BF108896.D
Acq: 10 Sep 2018 16:43

Instrument :
BNA_F
ClientSampleId :
PL-05-090718-C

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	22.6	33.8
229	21.2	15.8	23.6

Manual Integrations
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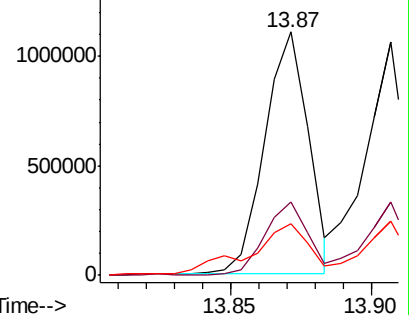


Abundance

Ion 228.00 (227.70 to 228.70): E

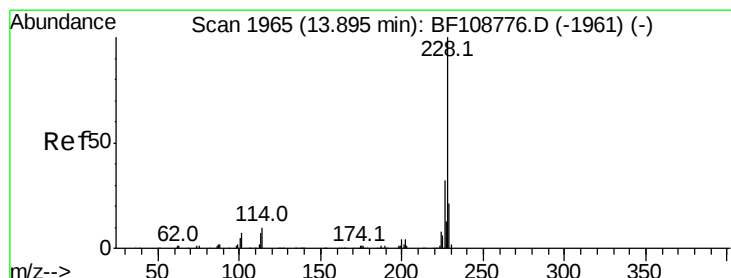
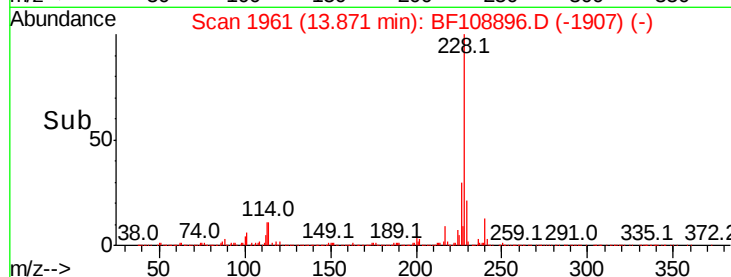
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



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#82
Chrysene
Concen: 37.589 ng m
RT: 13.91 min Scan# 1967
Delta R.T. 0.01 min
Lab File: BF108896.D
Acq: 10 Sep 2018 16:43

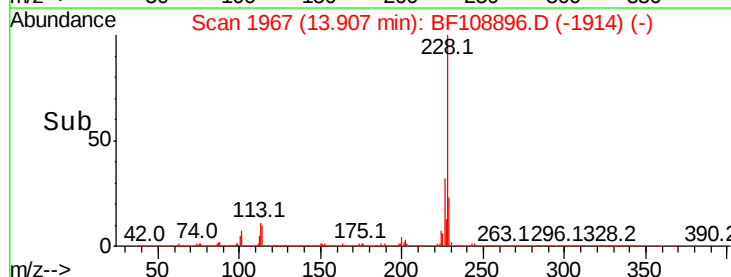
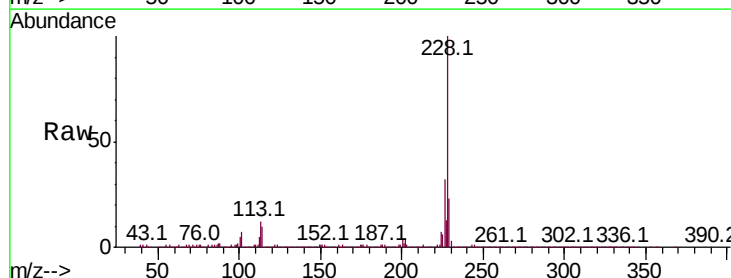
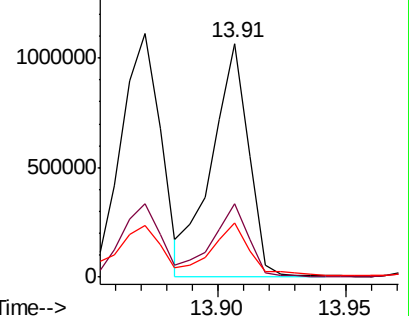
Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.6	25.0	37.6
229	22.9	16.2	24.4

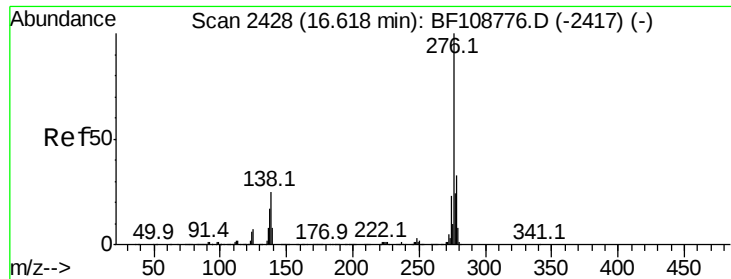
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



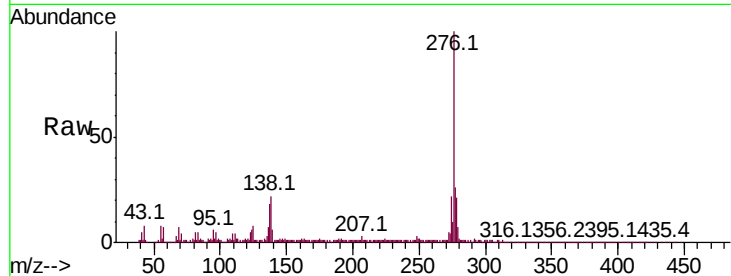


#85
Indeno(1,2,3-cd)pyrene
Concen: 16.460 ng
RT: 16.66 min Scan# 2435
Delta R.T. 0.04 min
Lab File: BF108896.D
Acq: 10 Sep 2018 16:43

Instrument :
BNA_F
ClientSampleId :
PL-05-090718-C

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.0	25.0	37.6#
277	24.8	20.1	30.1

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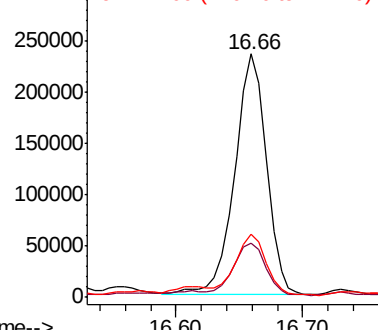


Abundance

Ion 276.00 (275.70 to 276.70): E

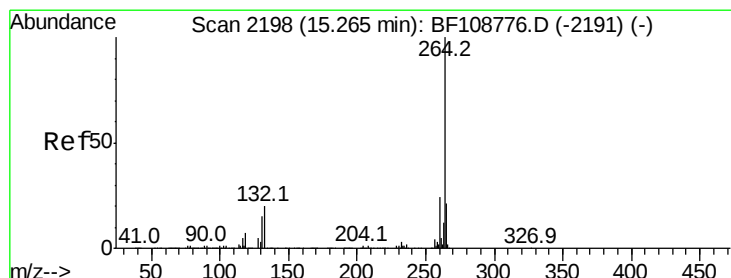
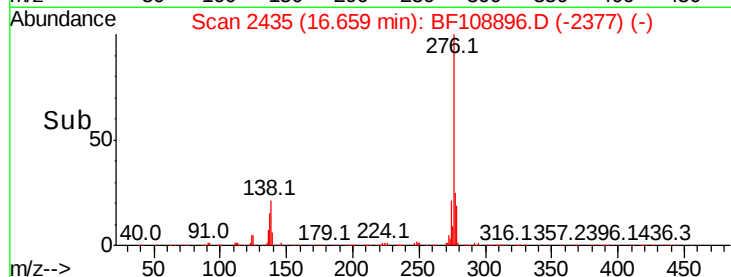
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



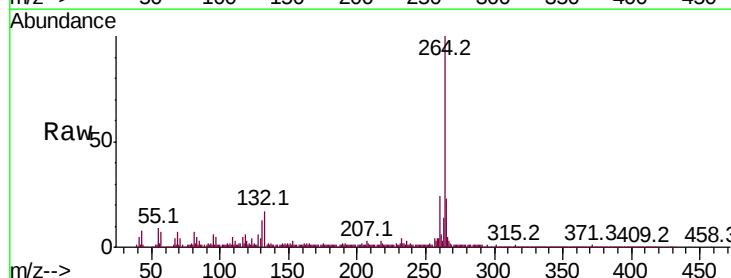
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2203
Delta R.T. 0.03 min
Lab File: BF108896.D
Acq: 10 Sep 2018 16:43

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	23.4	17.5	26.3

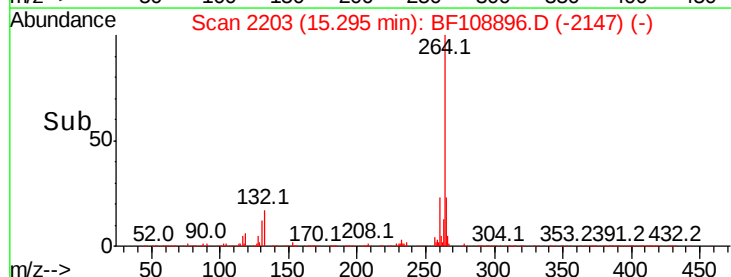
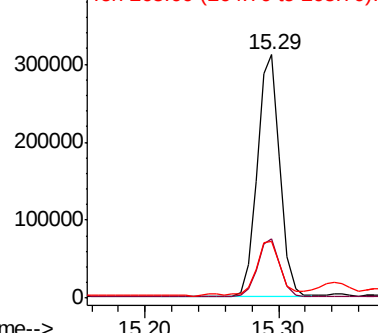


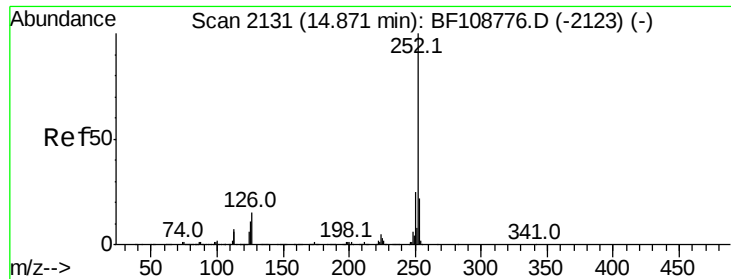
Abundance

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: 61.204 ng m

RT: 14.89 min Scan# 2135

Delta R.T. 0.02 min

Lab File: BF108896.D

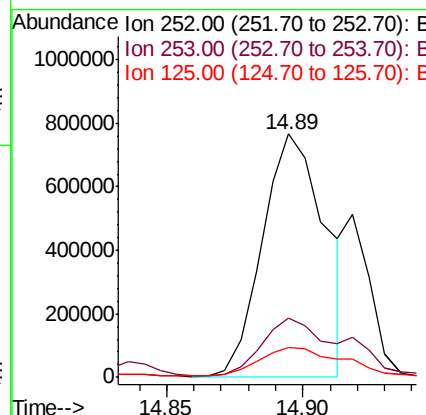
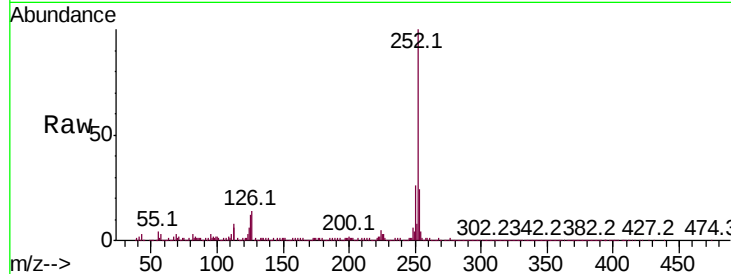
Acq: 10 Sep 2018 16:43

Instrument :
BNA_F

ClientSampleId :
PL-05-090718-C

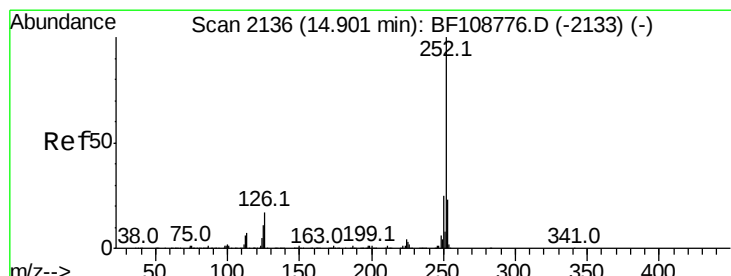
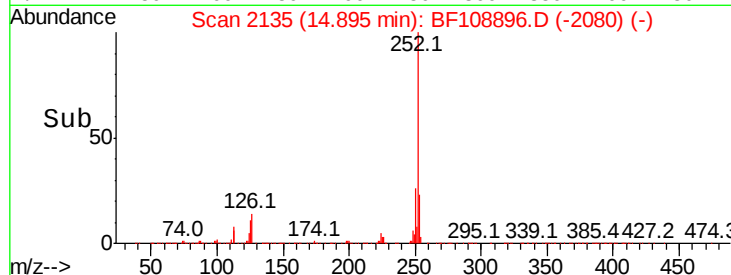
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.0	25.6
125	12.3	9.0	13.6

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#88

Benzo(k)fluoranthene

Concen: 17.916 ng m

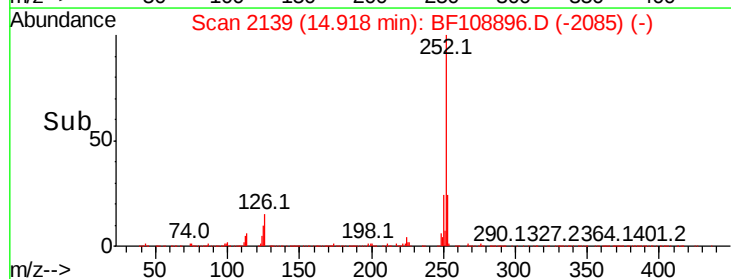
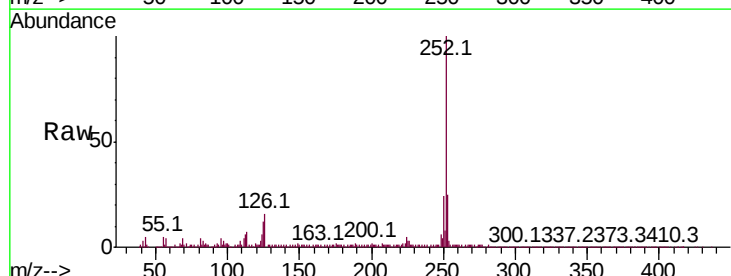
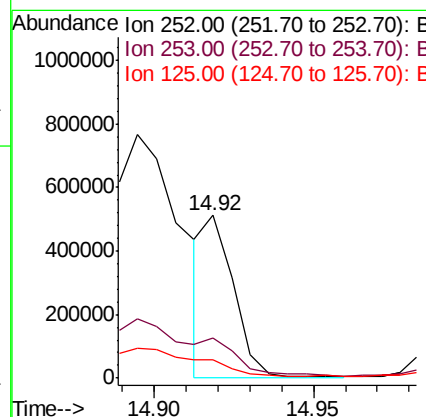
RT: 14.92 min Scan# 2139

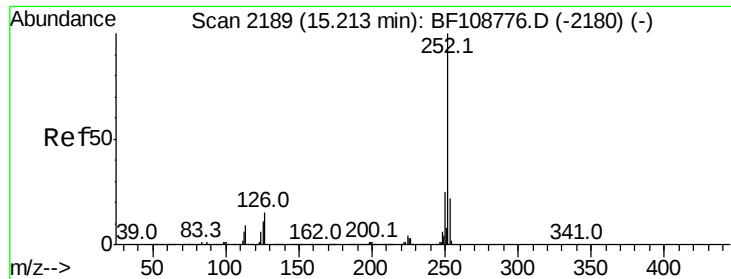
Delta R.T. 0.02 min

Lab File: BF108896.D

Acq: 10 Sep 2018 16:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.9	26.9
125	11.7	10.2	15.2



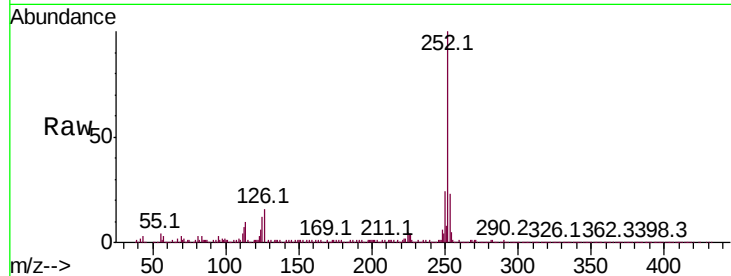


#89
Benzo(a)pyrene
Concen: 42.822 ng
RT: 15.24 min Scan# 2193
Delta R.T. 0.02 min
Lab File: BF108896.D
Acq: 10 Sep 2018 16:43

Instrument :
BNA_F
ClientSampleId :
PL-05-090718-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	12.1	9.8	14.6

Manual Integrations
APPROVED

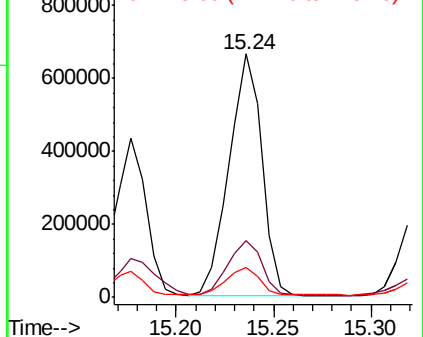


Abundance

Ion 252.00 (251.70 to 252.70): E

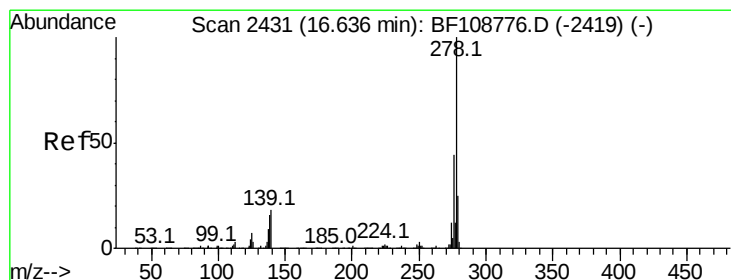
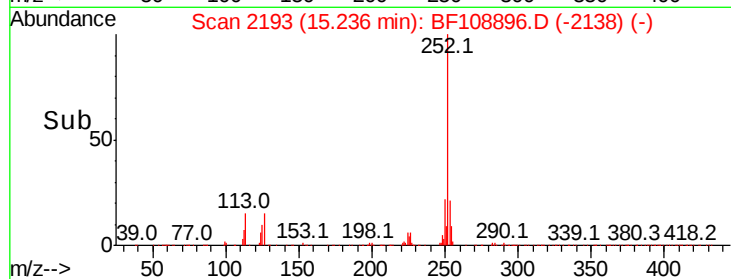
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



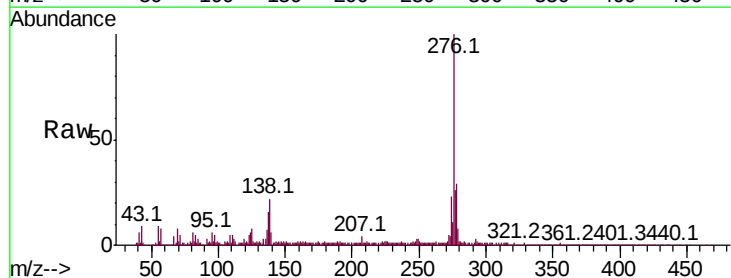
Sohil

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#90
Dibenzo(a,h)anthracene
Concen: 6.454 ng
RT: 16.67 min Scan# 2436
Delta R.T. 0.03 min
Lab File: BF108896.D
Acq: 10 Sep 2018 16:43

Tgt Ion	Ratio	Lower	Upper
278	100		
139	22.4	15.9	23.9
279	27.9	19.0	28.4

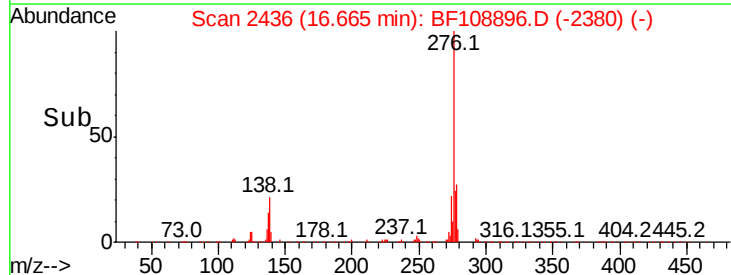
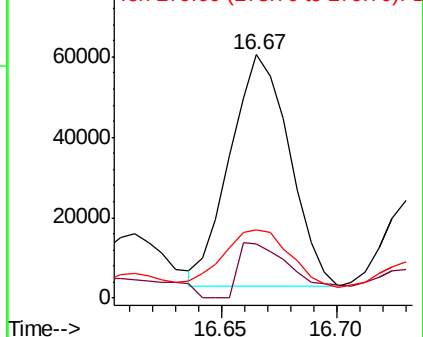


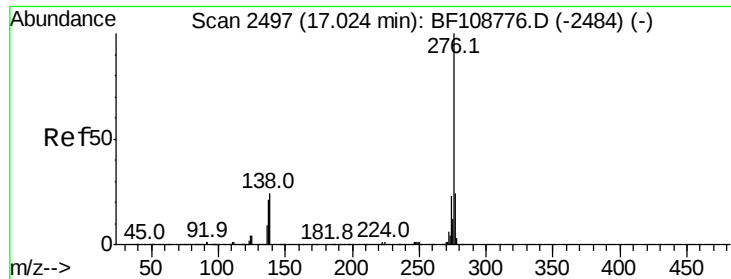
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



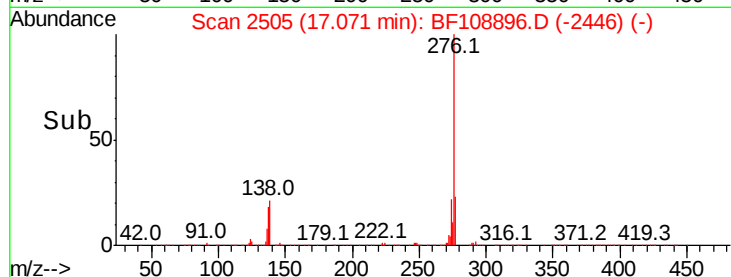
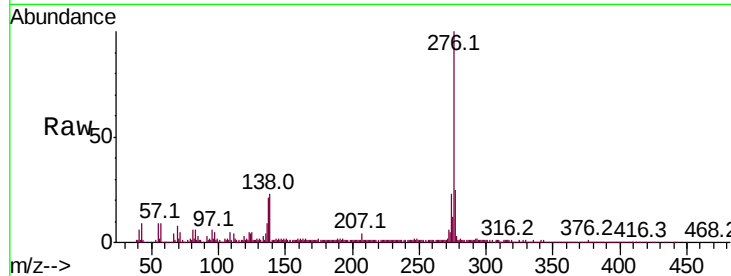


#91
 Benzo(a,h,i)perylene
 Concen: 22.431 ng
 RT: 17.07 min Scan# 2505
 Delta R.T. 0.05 min
 Lab File: BF108896.D
 Acq: 10 Sep 2018 16:43

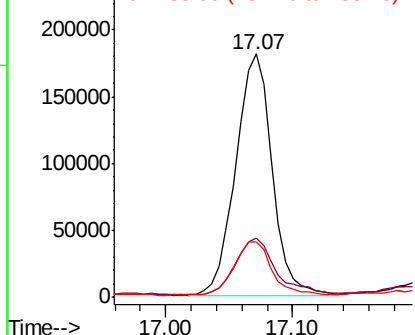
Instrument :
 BNA_F
 ClientSampleId :
 PL-05-090718-C

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.6	17.9	26.9
138	22.6	21.8	32.8

Manual Integrations
 APPROVED



Abundance Ion 276.00 (275.70 to 276.70): E
 250000 Ion 277.00 (276.70 to 277.70): E
 Ion 138.00 (137.70 to 138.70): E



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