

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020618\
 Data File : BF102779.D
 Acq On : 6 Feb 2018 13:03
 Operator : SJ/JU
 Sample : J1454-09
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 8-SAN-8-EW(1-4)

Manual Integrations
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Quant Time: Feb 07 12:55:54 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	207346	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	849440	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	355959	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	471384	20.00	ng	0.00
75) Chrysene-d12	14.06	240	275518	20.00	ng	0.01
86) Perylene-d12	15.56	264	293740	20.00	ng	0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	1314566	96.28	ng	0.01
7) Phenol-d6	6.51	99	1575209	95.82	ng	0.00
23) Nitrobenzene-d5	7.45	82	994179	81.19	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	245296	85.62	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1342746	62.59	ng	0.00
78) Terphenyl-d14	13.00	244	770310	66.20	ng	0.00

Target Compounds

						Qvalue
10) Phenol	6.52	94	40992	2.327	ng	# 58
49) Dimethylphthalate	9.63	163	122016	4.396	ng	# 99
51) Acenaphthene	9.95	154	90223	4.115	ng	100
54) Dibenzofuran	10.12	168	65980	2.136	ng	# 91
57) Fluorene	10.47	166	89136	3.965	ng	99
70) Phenanthrene	11.43	178	892061	33.979	ng	99
71) Anthracene	11.48	178	196367	7.354	ng	98
72) Carbazole	11.63	167	108328	4.141	ng	# 94
74) Fluoranthene	12.63	202	934189	35.368	ng	98
77) Pyrene	12.86	202	841745	38.961	ng	98
80) Benzo(a)anthracene	14.05	228	314538	18.153	ng	96
82) Chrysene	14.09	228	333666m	19.103	ng	
85) Indeno(1,2,3-cd)pyrene	17.06	276	197612	13.641	ng	96
87) Benzo(b)fluoranthene	15.12	252	390703m	20.516	ng	
88) Benzo(k)fluoranthene	15.14	252	155242m	8.531	ng	
89) Benzo(a)pyrene	15.49	252	303097	17.681	ng	# 82
90) Dibenzo(a,h)anthracene	17.07	278	45393	3.262	ng	# 52
91) Benzo(g,h,i)perylene	17.52	276	199704	14.664	ng	98

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

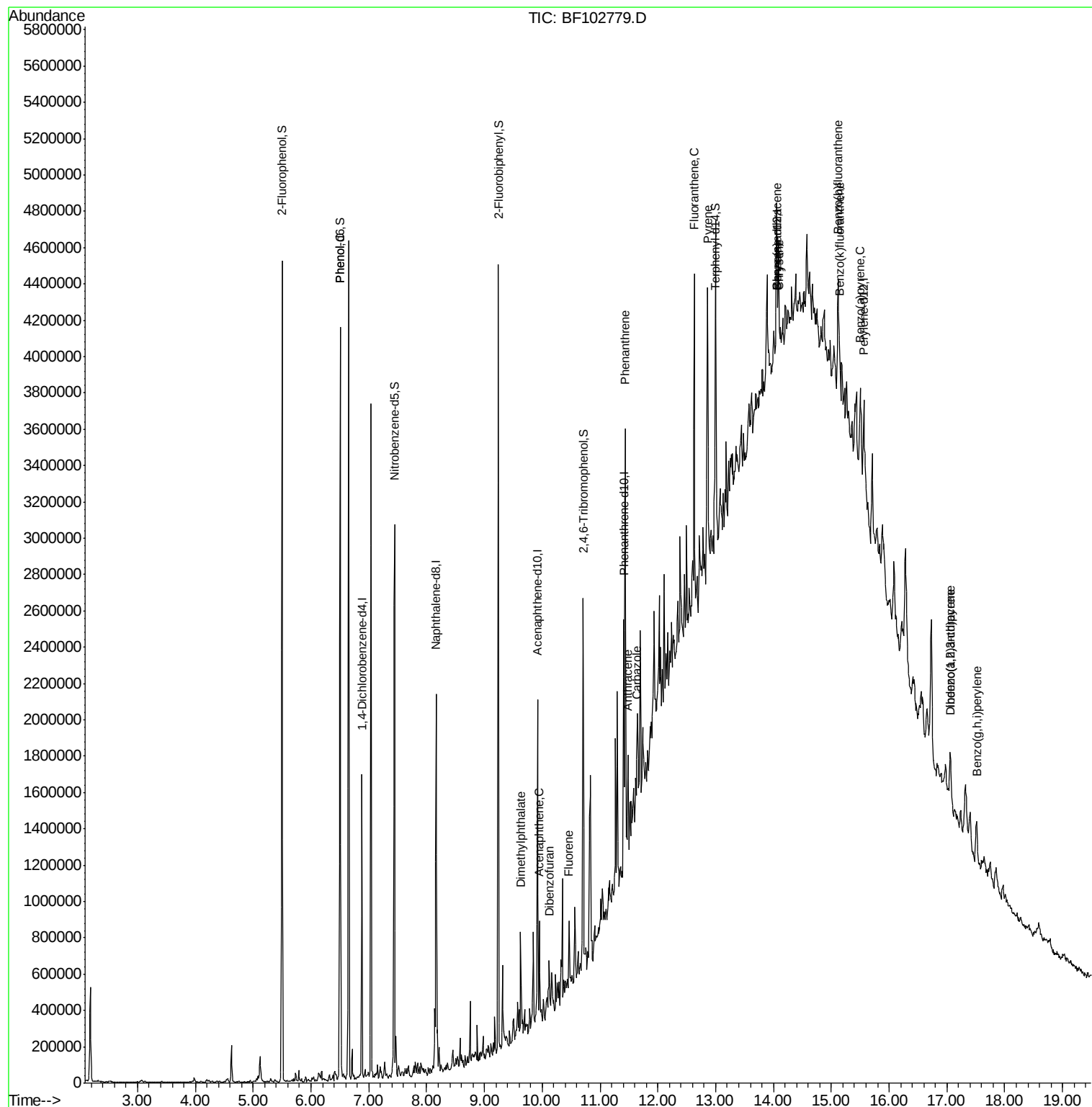
Data Path : Z:\HPCHEM1\BNA F\DATA\BF020618\
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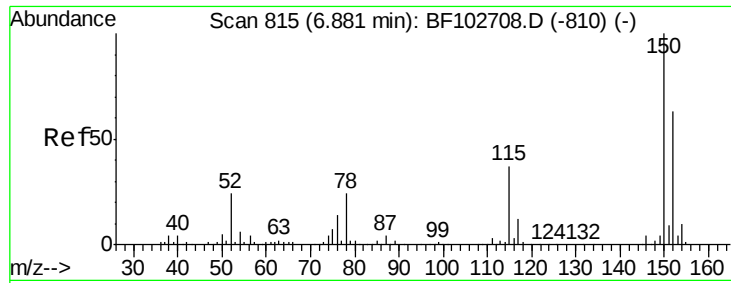
Instrument :
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8-SAN-8-EW(1-4)

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#1

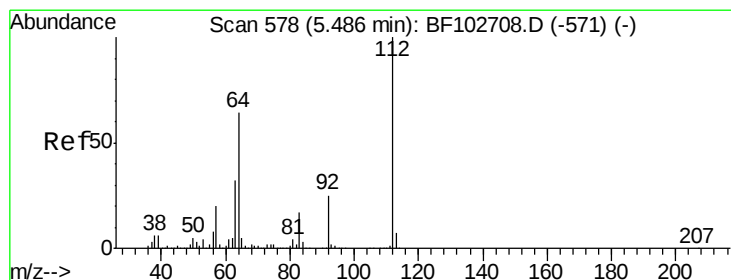
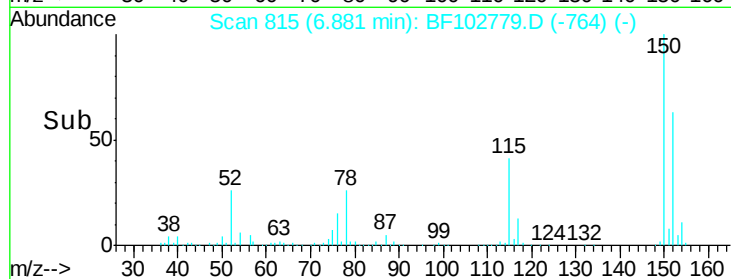
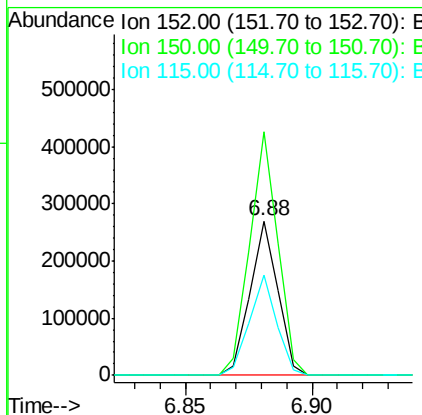
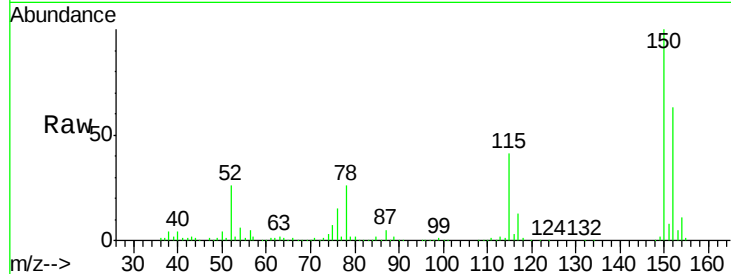
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF102779.D
Acq: 6 Feb 2018 13:03

Instrument :
BNA_F
ClientSampleId :
8-SAN-8-EW(1-4)

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	124.6	186.8
115	65.1	50.1	75.1

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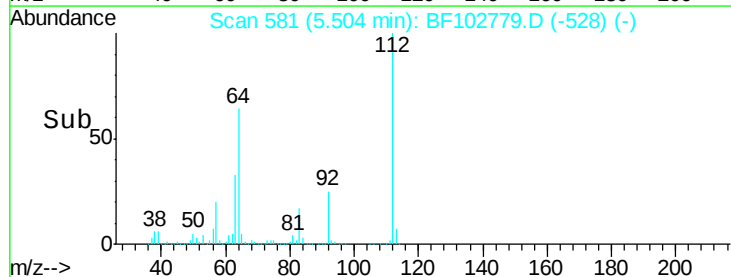
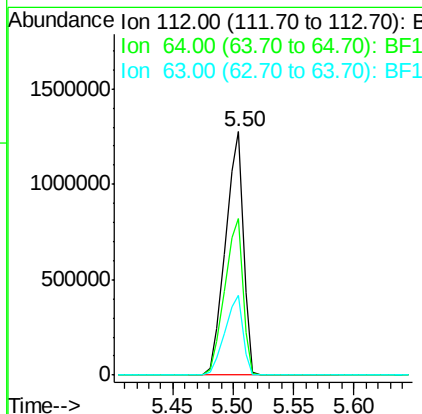
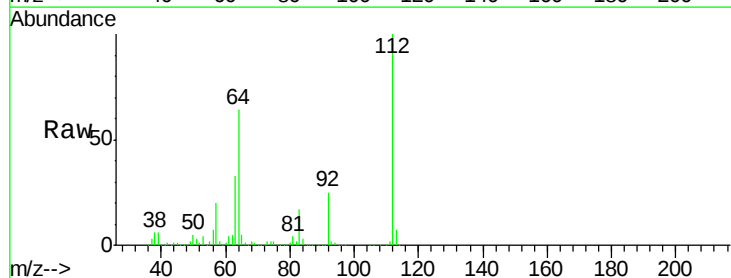
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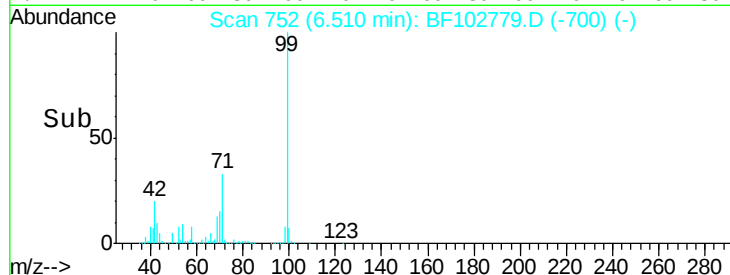
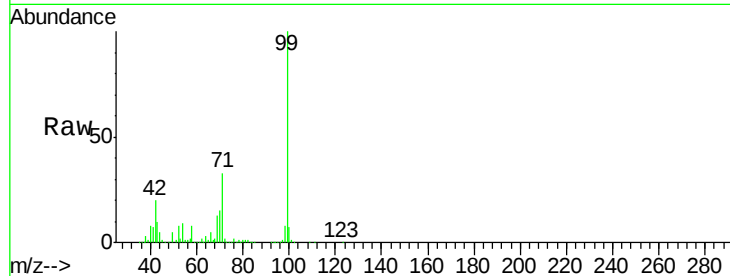


#5

2-Fluorophenol
Concen: 96.283 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF102779.D
Acq: 6 Feb 2018 13:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.2	47.9	71.9
63	32.7	23.7	35.5





#7

Phenol-d6

Concen: 95.820 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF102779.D

Acq: 6 Feb 2018 13:03

Tot Ion: 99 Resp: 1575209

Ion Ratio Lower Upper

99 100

42 19.6 14.5 21.7

71 33.1 25.4 38.0

Instrument :

BNA_F

ClientSampleId :

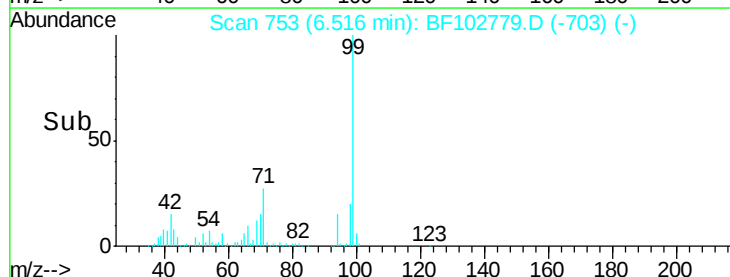
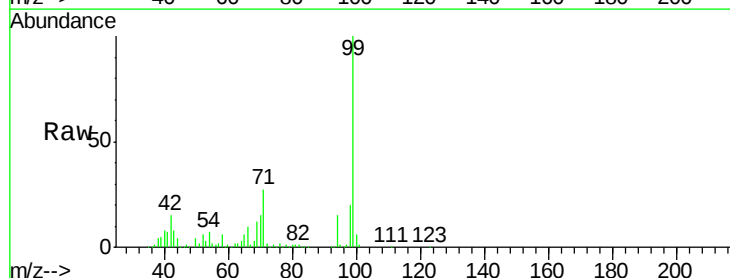
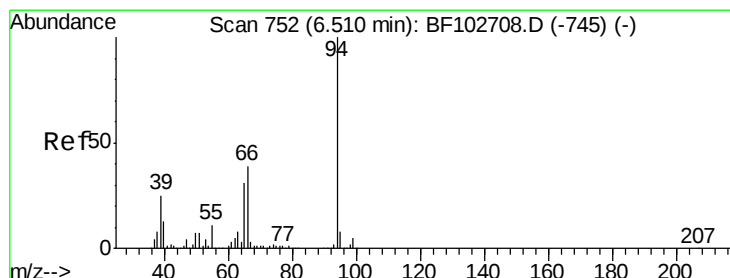
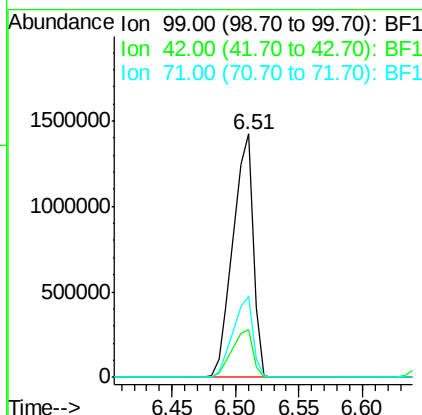
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#10

Phenol

Concen: 2.327 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF102779.D

Acq: 6 Feb 2018 13:03

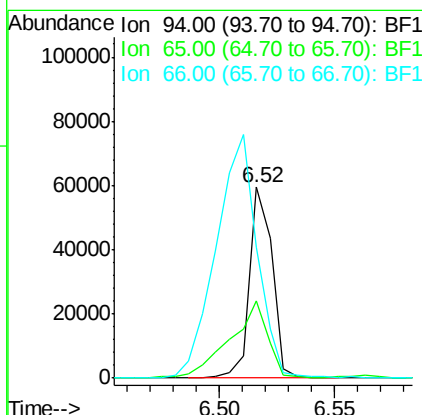
Tgt Ion: 94 Resp: 40992

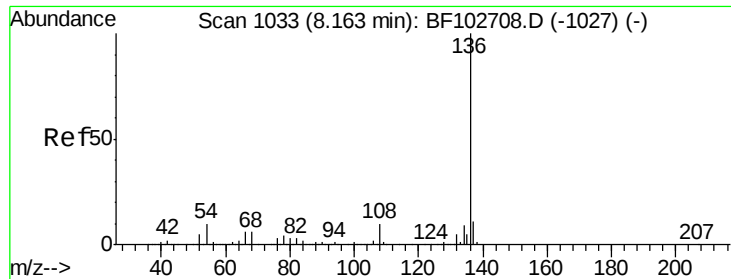
Ion Ratio Lower Upper

94 100

65 40.3 7.9 47.9

66 68.9 16.2 56.2#





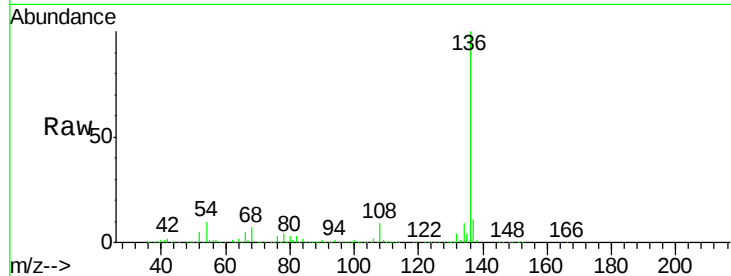
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF102779.D
Acq: 6 Feb 2018 13:03

Instrument :
BNA_F
ClientSampleId :
8-SAN-8-EW(1-4)

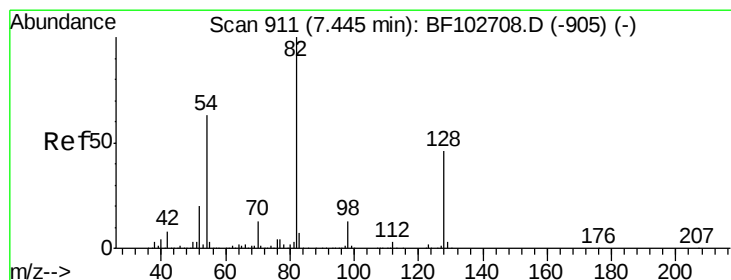
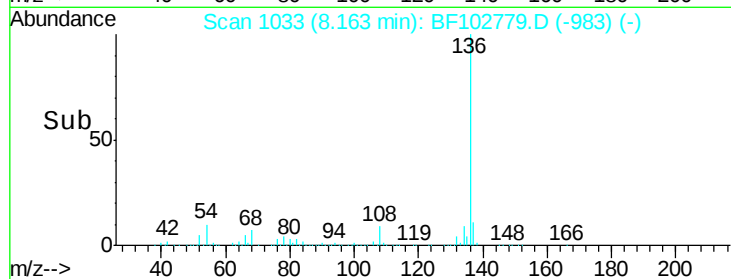
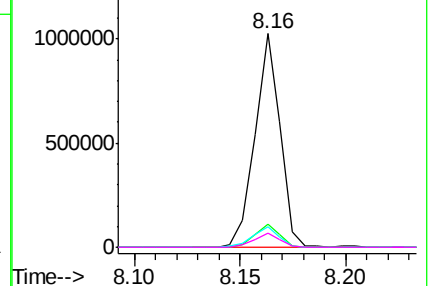
Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		849440		
137	11.1		8.9	13.3	
54	9.6		6.6	9.8	
68	6.6		5.0	7.4	

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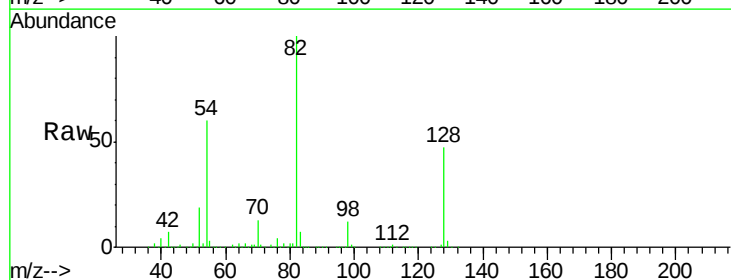


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

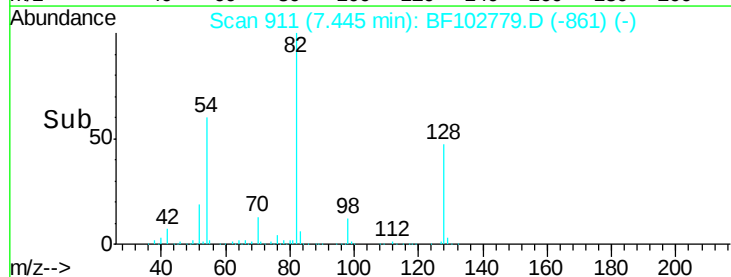
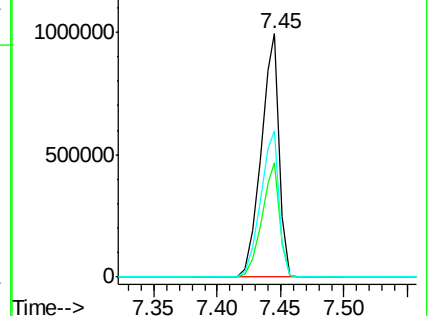


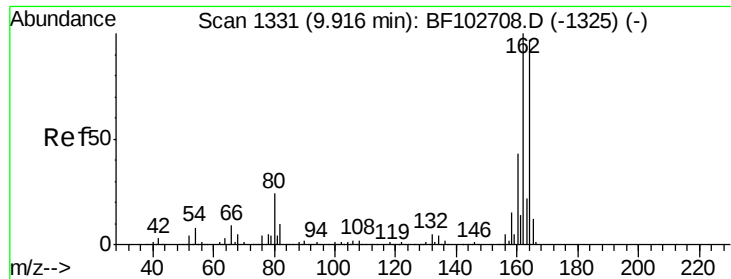
#23
Nitrobenzene-d5
Concen: 81.191 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF102779.D
Acq: 6 Feb 2018 13:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		994179		
128	46.7		36.1	54.1	
54	59.9		41.4	62.2	



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





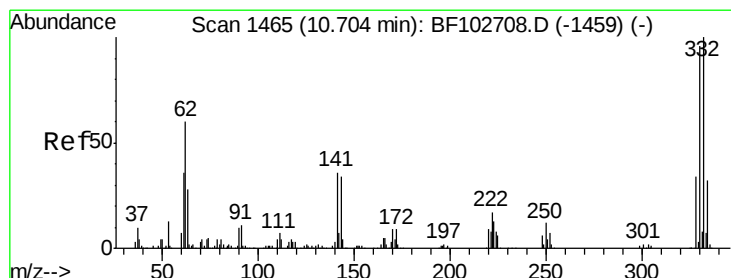
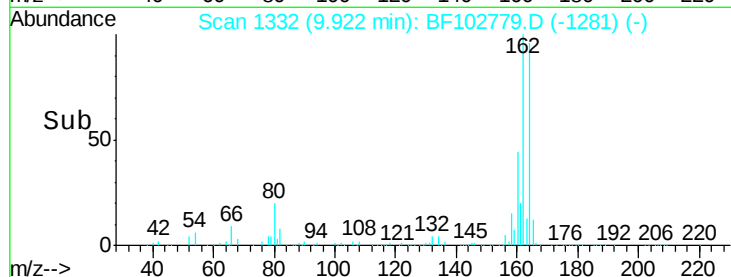
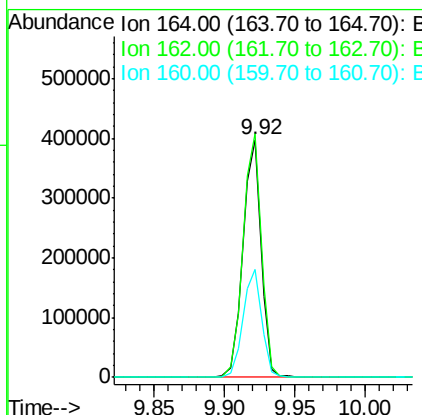
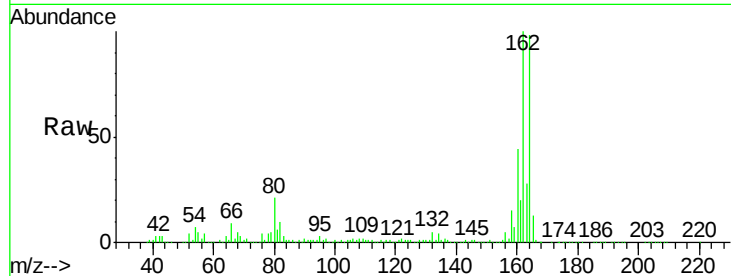
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: BF102779.D
 Acq: 6 Feb 2018 13:03

Instrument :
 BNA_F
 ClientSampleId :
 8-SAN-8-EW(1-4)

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.5	86.1	129.1	
160	45.4	38.3	57.5	

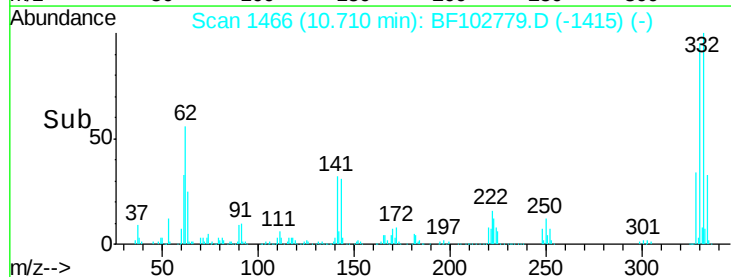
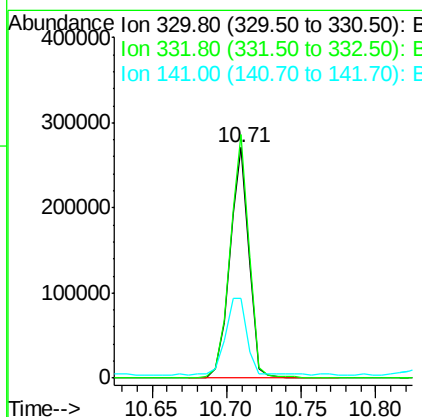
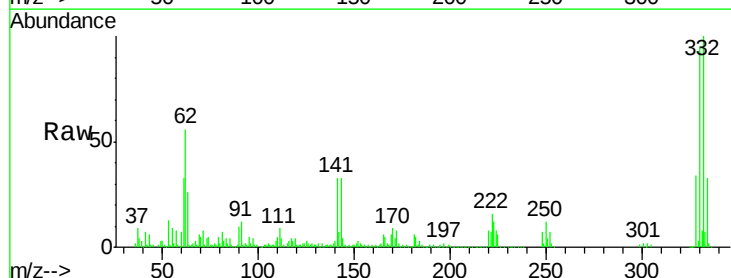
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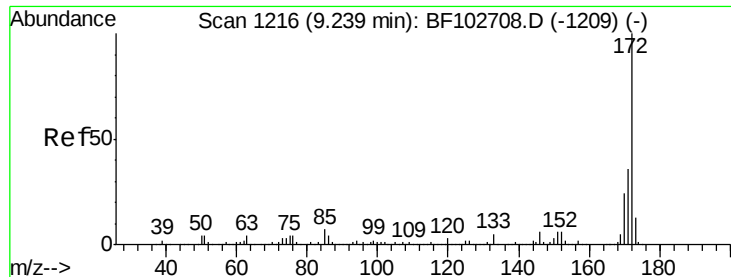
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#41
 2,4,6-Tribromophenol
 Concen: 85.617 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: BF102779.D
 Acq: 6 Feb 2018 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	105.4	77.0	115.6	
141	38.3	29.9	44.9	





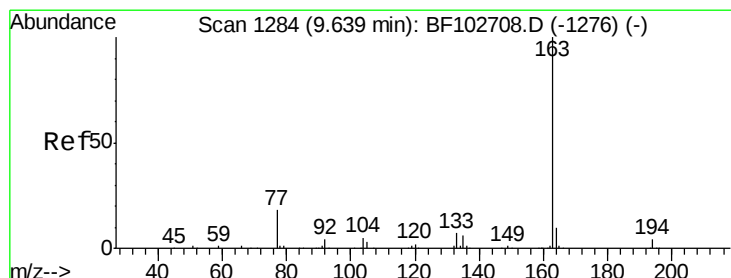
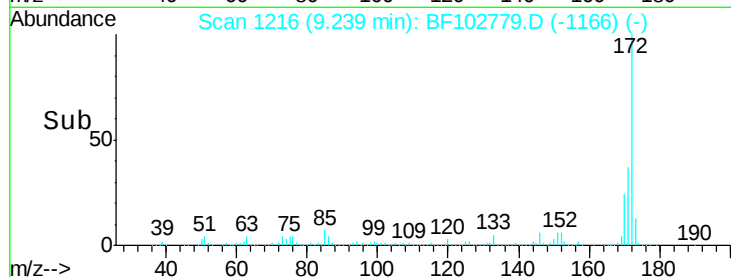
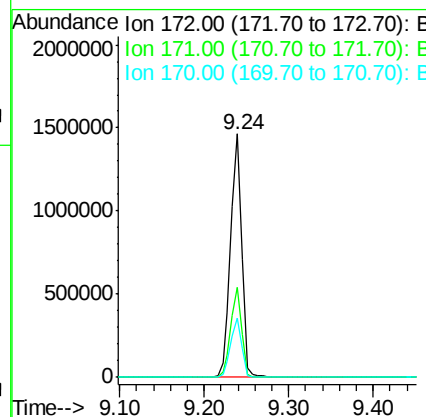
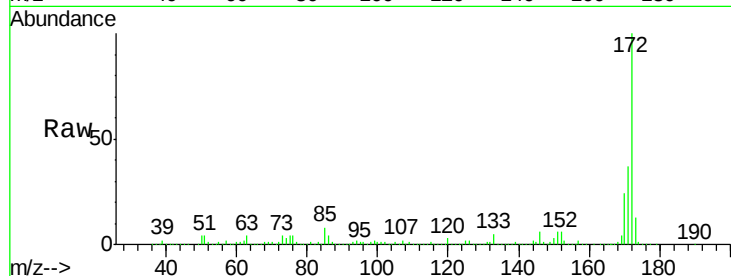
#44
2-Fluorobiphenyl
Concen: 62.594 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF102779.D
Acq: 6 Feb 2018 13:03

Instrument :
BNA_F
ClientSampleId :
8-SAN-8-EW(1-4)

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.7	44.5
170	24.5	19.6	29.4

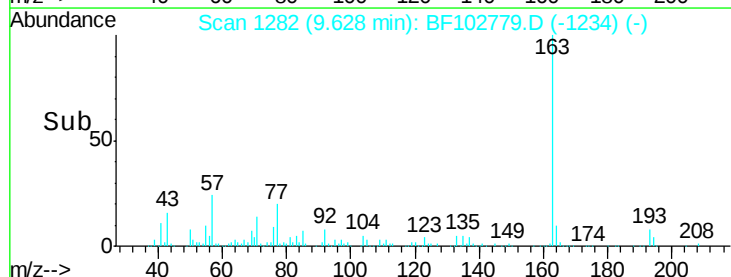
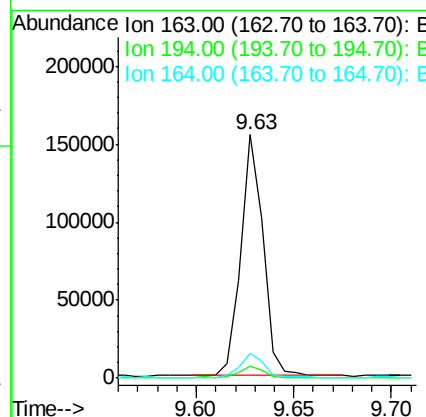
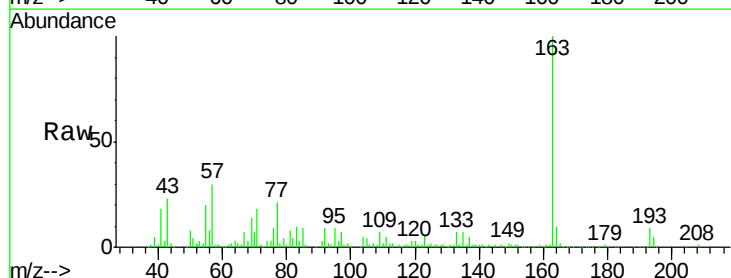
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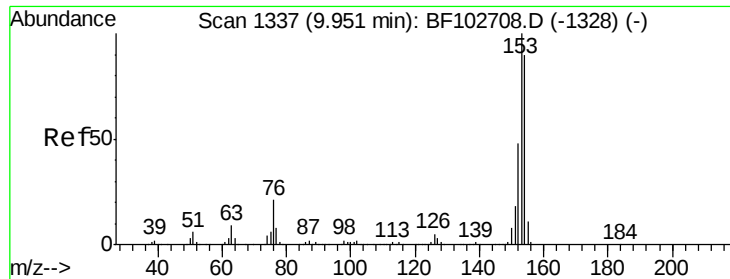
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#49
Dimethylphthalate
Concen: 4.396 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF102779.D
Acq: 6 Feb 2018 13:03

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.7	2.7	4.1#
164	9.9	8.2	12.2





#51

Acenaphthene

Concen: 4.115 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BF102779.D

Acq: 6 Feb 2018 13:03

Instrument :

BNA_F

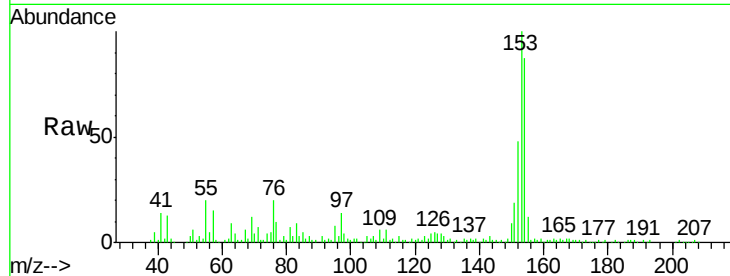
ClientSampleId :

8-SAN-8-EW(1-4)

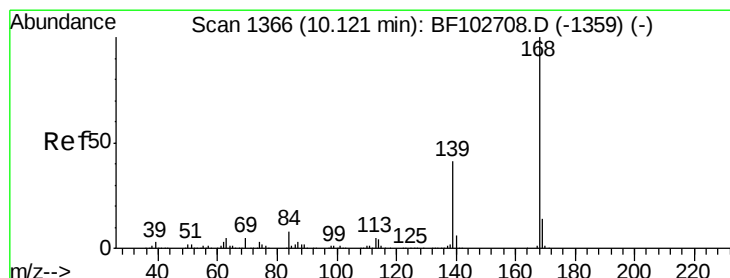
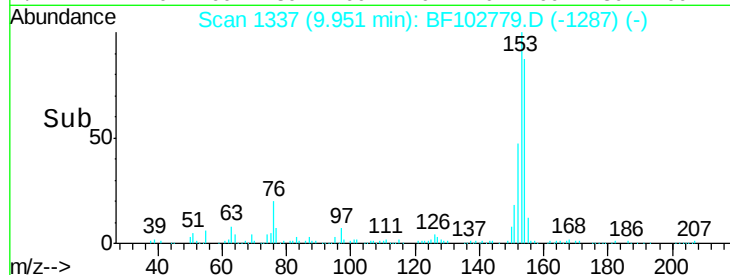
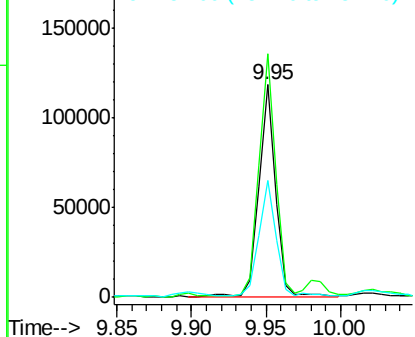
Tot Ion:	154	Resp:	90223
Ion Ratio	Lower	Upper	
154	100		
153	114.5	91.2	136.8
152	54.7	43.8	65.8

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: 2.136 ng

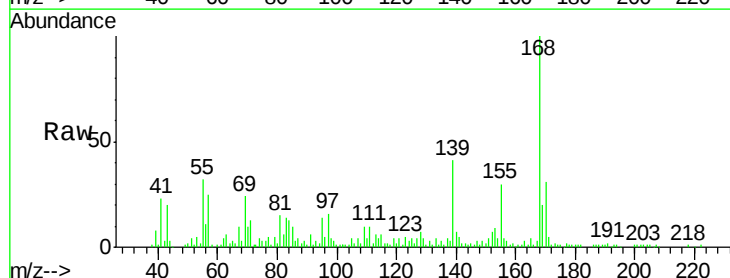
RT: 10.12 min Scan# 1366

Delta R.T. -0.01 min

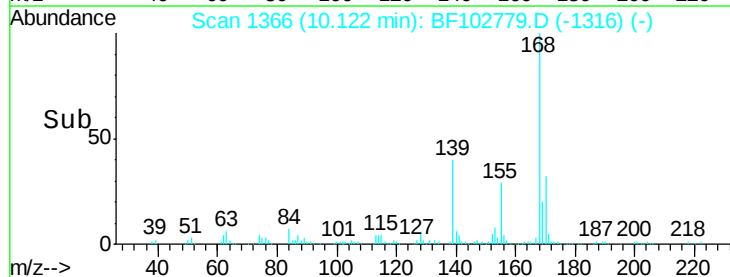
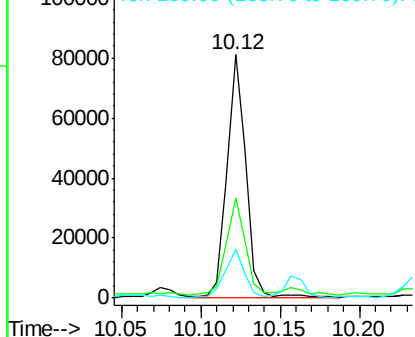
Lab File: BF102779.D

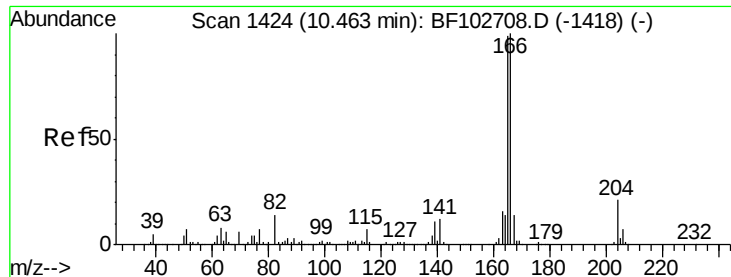
Acq: 6 Feb 2018 13:03

Tgt Ion:	168	Resp:	65980
Ion Ratio	Lower	Upper	
168	100		
139	41.1	30.1	45.1
169	20.1	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





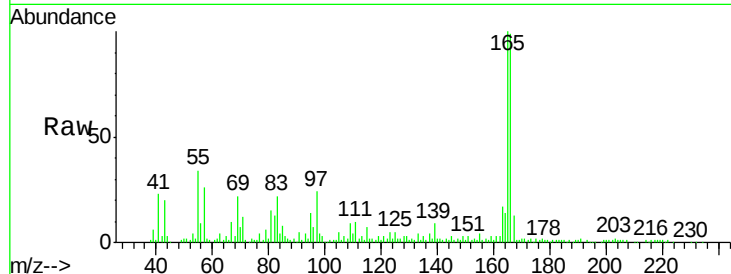
#57
 Fluorene
 Concen: 3.965 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: BF102779.D
 Acq: 6 Feb 2018 13:03

Instrument :
 BNA_F
 ClientSampleId :
 8-SAN-8-EW(1-4)

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.5	79.8	119.8
167	13.5	10.6	16.0

Manual Integrations
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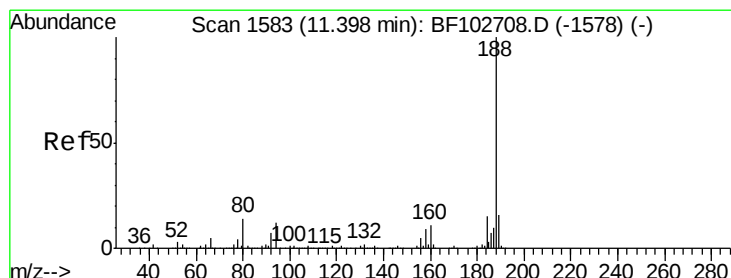
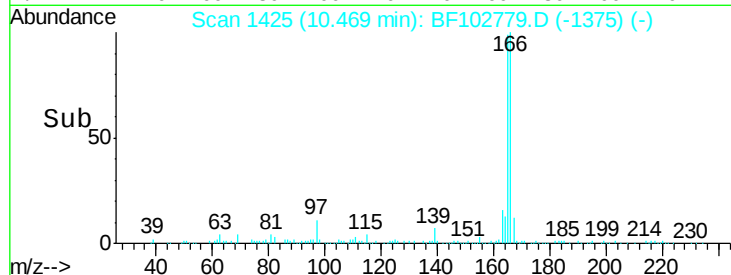
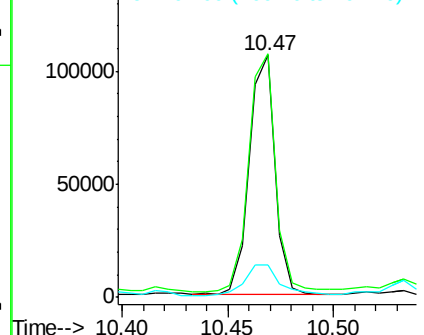


Abundance

Ion 166.00 (165.70 to 166.70): E

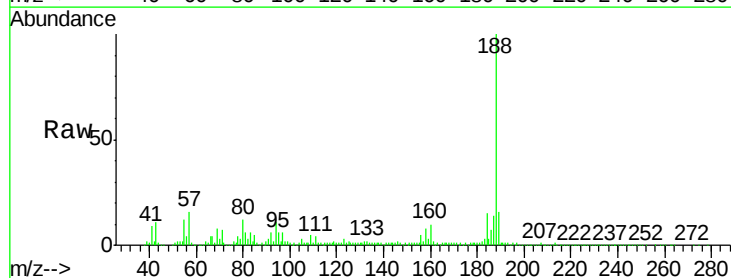
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: BF102779.D
 Acq: 6 Feb 2018 13:03

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.4	8.5	12.7
80	12.3	9.2	13.8

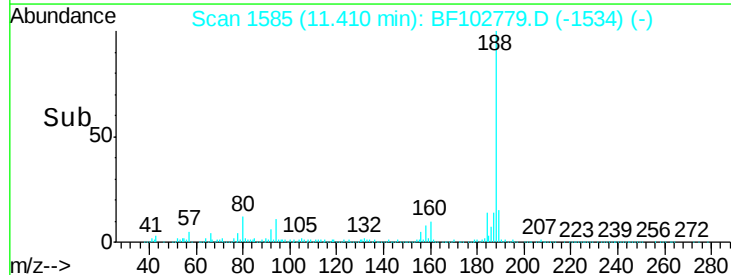
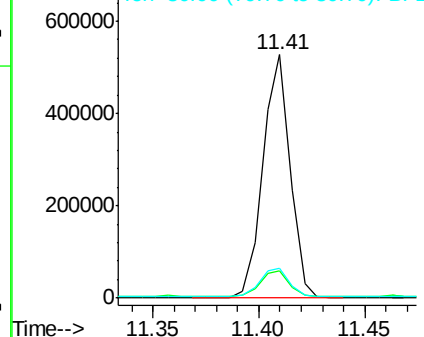


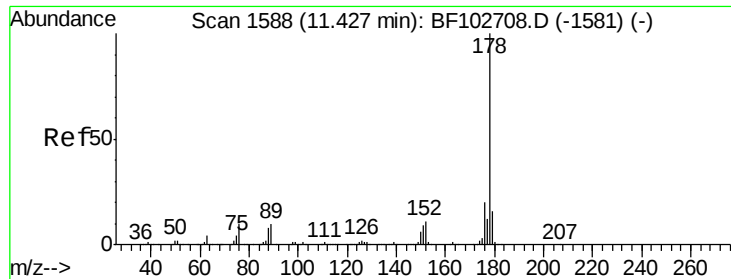
Abundance

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





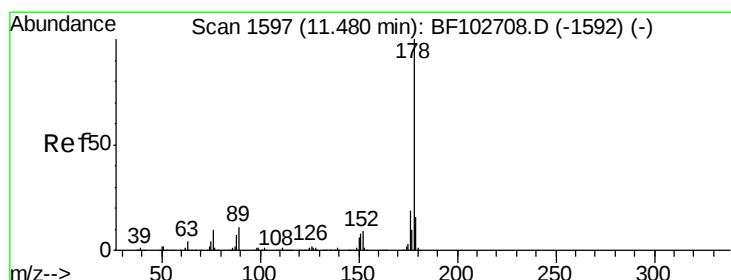
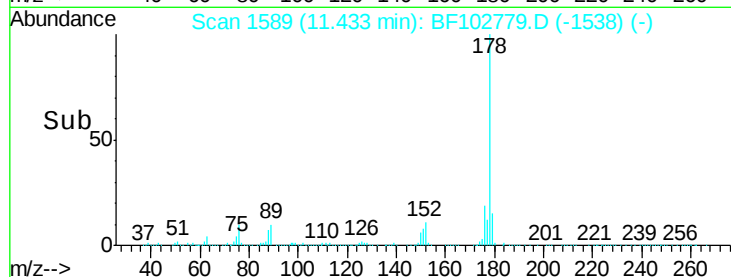
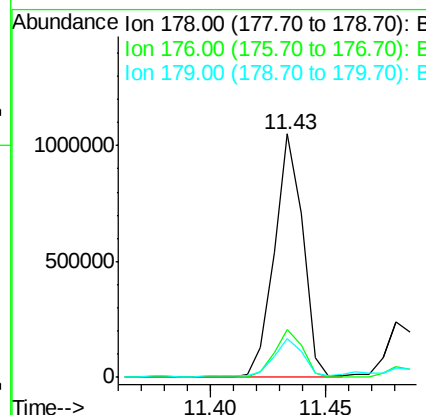
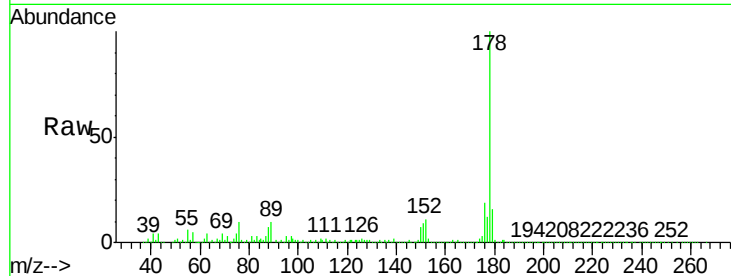
#70
Phenanthrene
Concen: 33.979 ng
RT: 11.43 min Scan# 1589
Delta R.T. 0.00 min
Lab File: BF102779.D
Acq: 6 Feb 2018 13:03

Instrument :
BNA_F
ClientSampleId :
8-SAN-8-EW(1-4)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	15.8	13.0	19.6

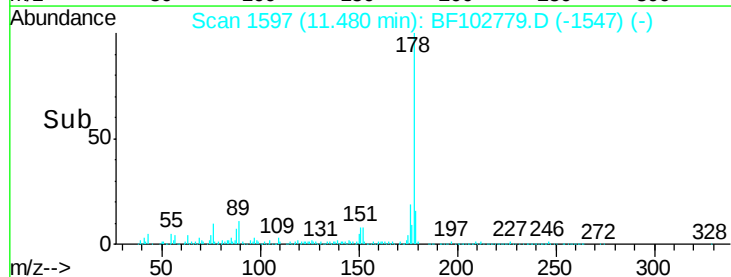
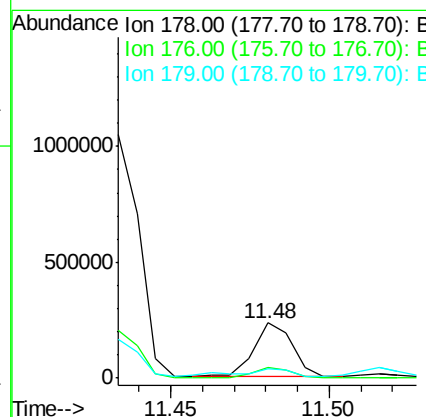
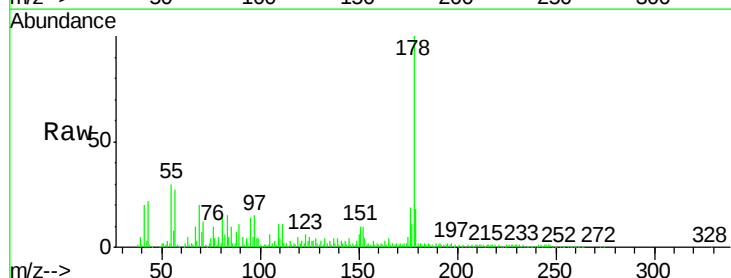
Manual Integrations
APPROVED

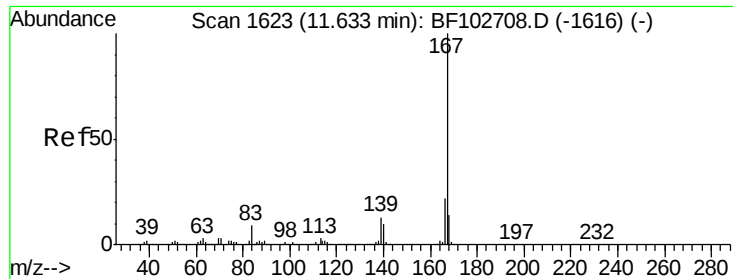
Sohil
2/7/2018 4:16:13 PM



#71
Anthracene
Concen: 7.354 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF102779.D
Acq: 6 Feb 2018 13:03

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	17.7	12.6	19.0





#72

Carbazole

Concen: 4.141 ng

RT: 11.63 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BF102779.D

Acq: 6 Feb 2018 13:03

Instrument :

BNA_F

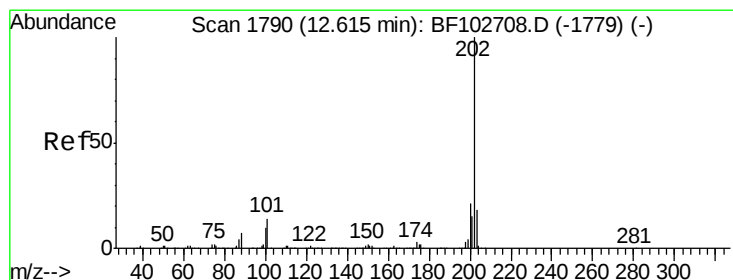
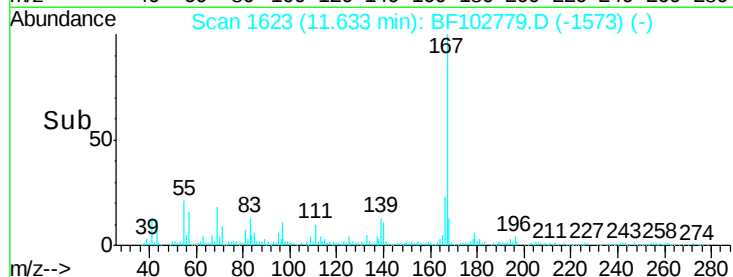
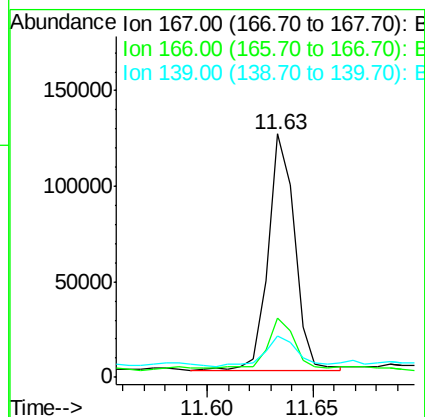
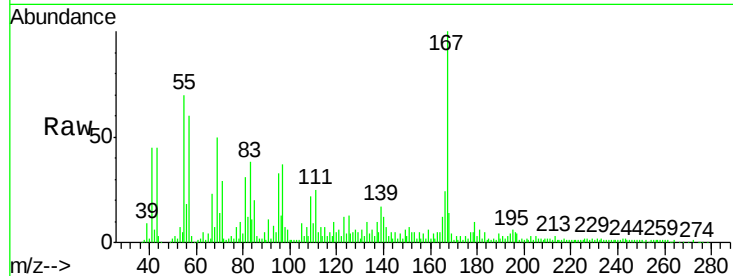
ClientSampleId :

8-SAN-8-EW(1-4)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
167	100				
166	24.2		17.6	26.4	
139	16.8		10.9	16.3	

Manual Integrations
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2/7/2018 4:16:13 PM



#74

Fluoranthene

Concen: 35.368 ng

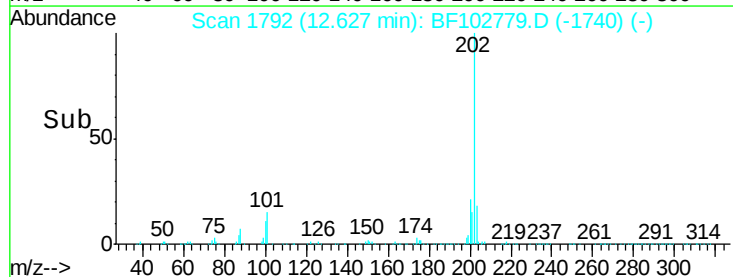
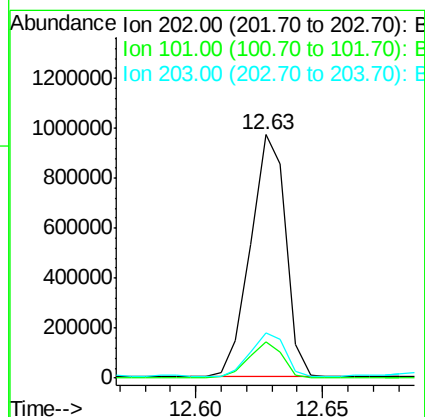
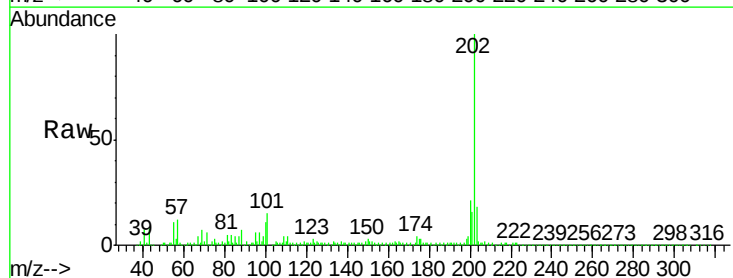
RT: 12.63 min Scan# 1792

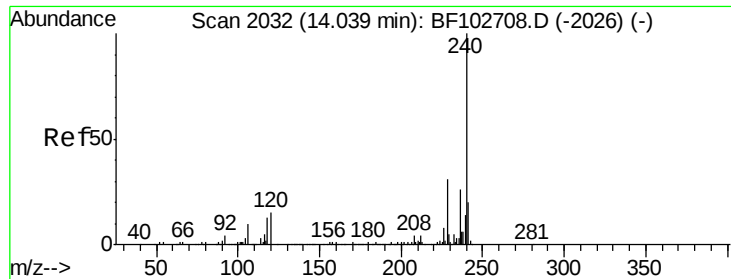
Delta R.T. 0.01 min

Lab File: BF102779.D

Acq: 6 Feb 2018 13:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	15.1		0.0	34.1	
203	18.5		0.0	38.1	





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2036

Delta R.T. 0.01 min

Lab File: BF102779.D

Acq: 6 Feb 2018 13:03

Instrument :

BNA_F

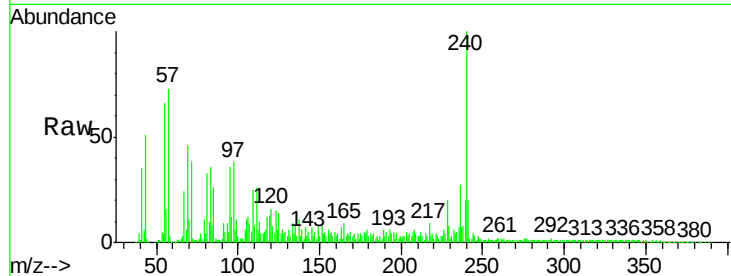
ClientSampleId :

8-SAN-8-EW(1-4)

Tot Ion	Ratio	Lower	Upper
240	100		
120	16.3	9.5	14.3
236	27.2	20.7	31.1

Manual Integrations
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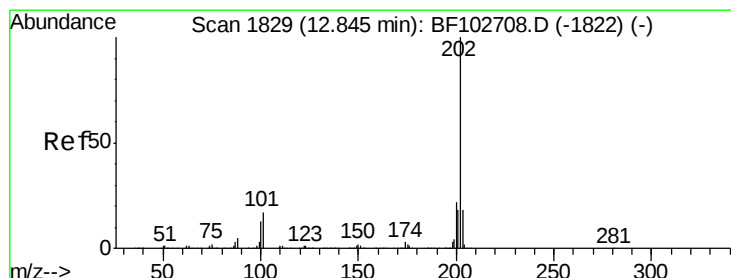
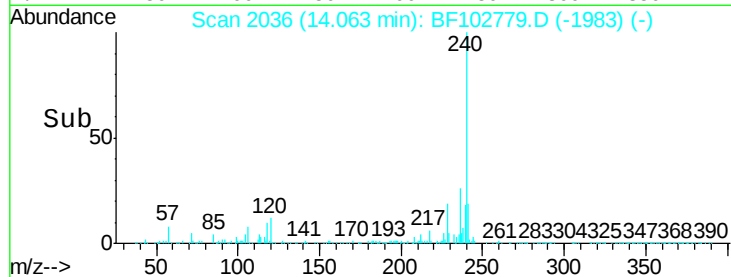
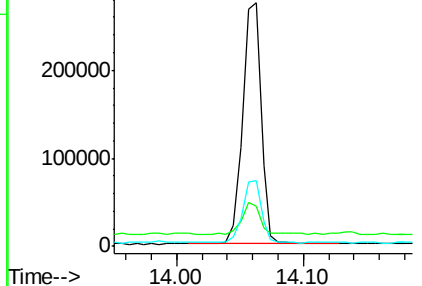
Sohil
2/7/2018 4:16:13 PM



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

Pyrene

Concen: 38.961 ng

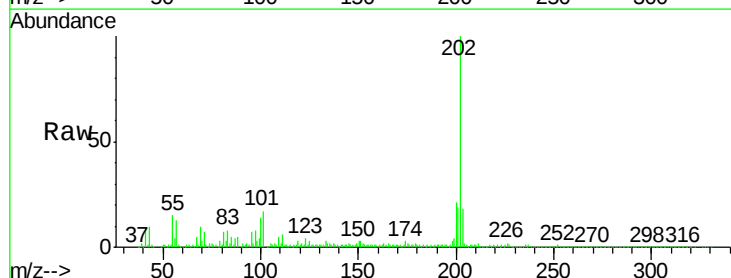
RT: 12.86 min Scan# 1831

Delta R.T. 0.01 min

Lab File: BF102779.D

Acq: 6 Feb 2018 13:03

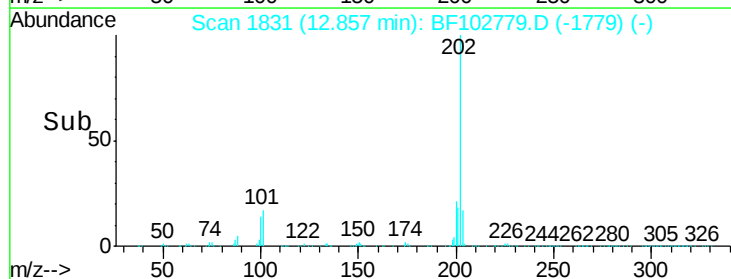
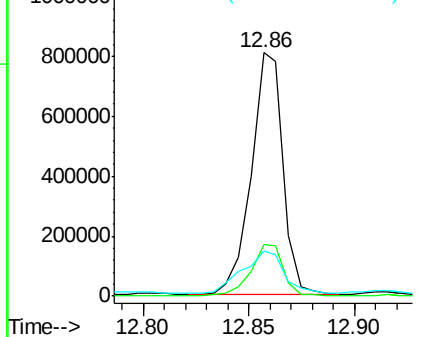
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.4	26.2
203	18.5	14.3	21.5

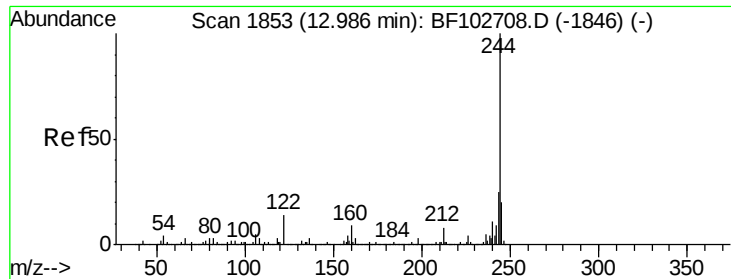


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 66.200 ng

RT: 13.00 min Scan# 1855

Delta R.T. 0.00 min

Lab File: BF102779.D

Acq: 6 Feb 2018 13:03

Instrument :

BNA_F

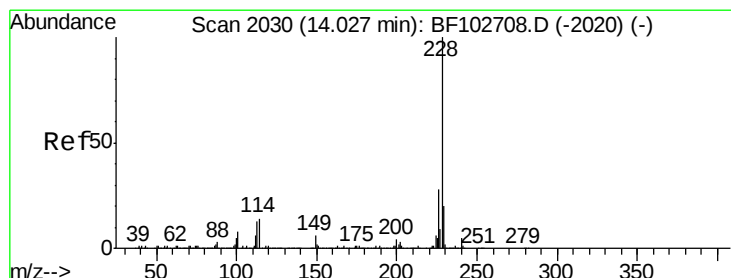
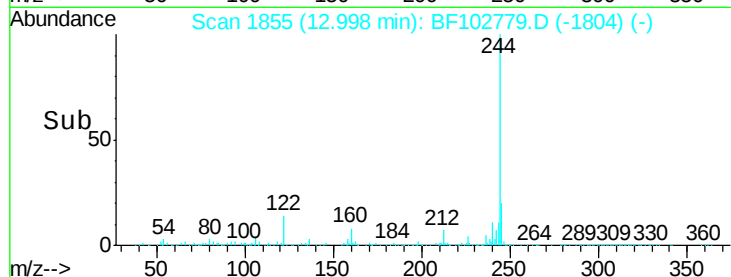
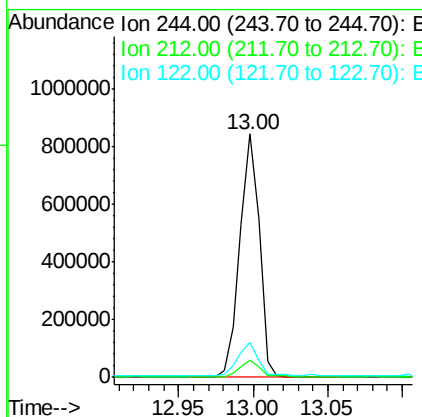
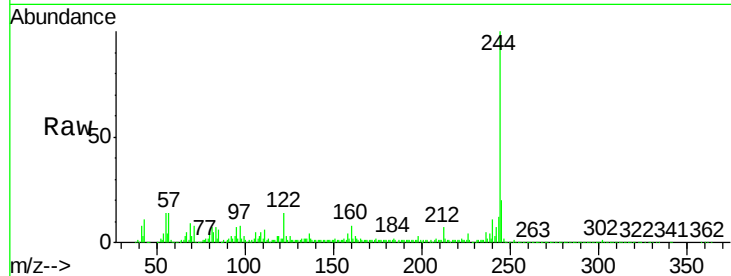
ClientSampleId :

8-SAN-8-EW(1-4)

Tot Ion:	244	Resp:	770310
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.4	8.0
122	14.5	11.0	16.4

Manual Integrations
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2/7/2018 4:16:13 PM



#80

Benzo(a)anthracene

Concen: 18.153 ng

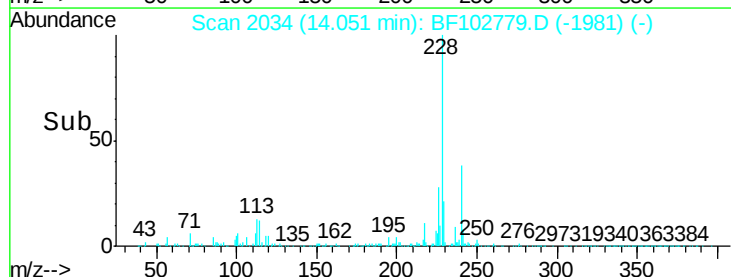
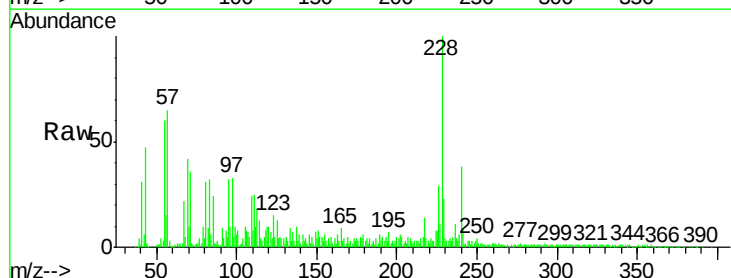
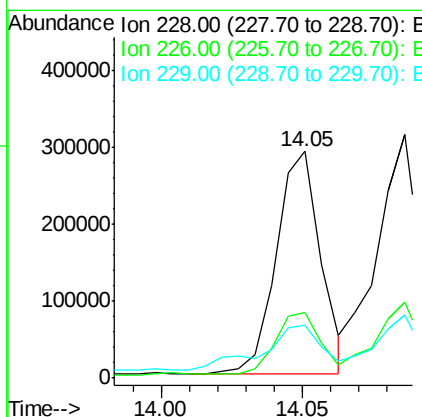
RT: 14.05 min Scan# 2034

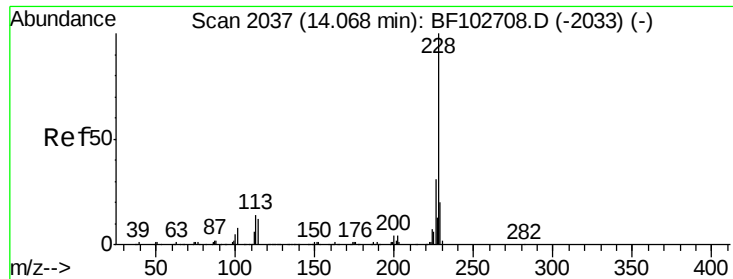
Delta R.T. 0.01 min

Lab File: BF102779.D

Acq: 6 Feb 2018 13:03

Tgt Ion:	228	Resp:	314538
Ion Ratio	Lower	Upper	
228	100		
226	29.0	22.6	33.8
229	23.3	15.8	23.6





#82

Chrysene

Concen: 19.103 ng

RT: 14.09 min Scan# 2040

Delta R.T. 0.01 min

Lab File: BF102779.D

Acq: 6 Feb 2018 13:03

Instrument :

BNA_F

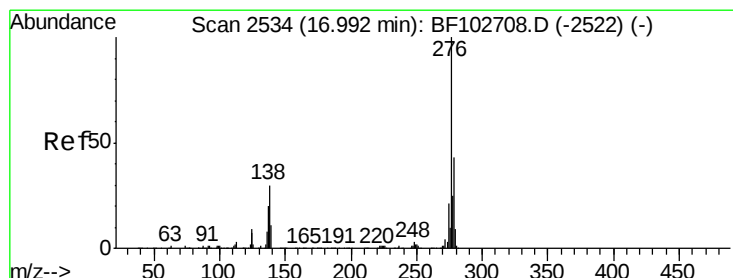
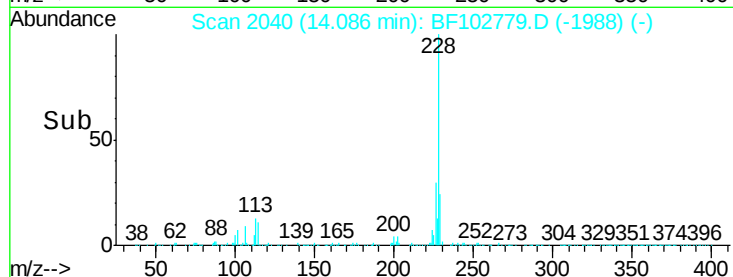
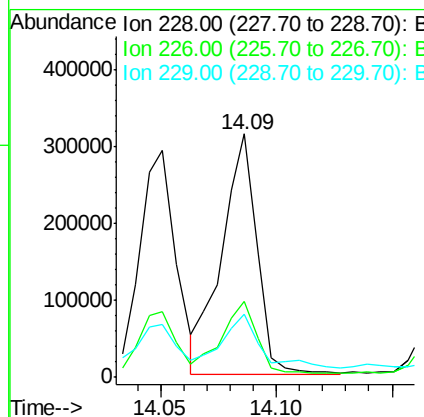
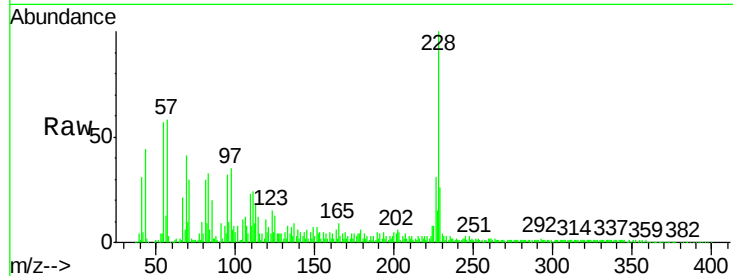
ClientSampleId :

8-SAN-8-EW(1-4)

Tot Ion:	228	Resp:	333666
Ion Ratio	Lower	Upper	
228	100		
226	31.4	25.0	37.6
229	25.7	16.2	24.4

Manual Integrations
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2/7/2018 4:16:13 PM



#85

Indeno(1,2,3-cd)pyrene

Concen: 13.641 ng

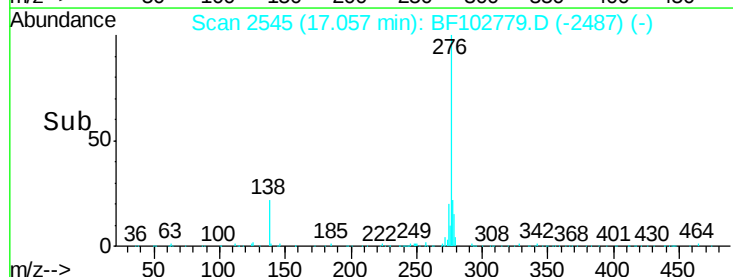
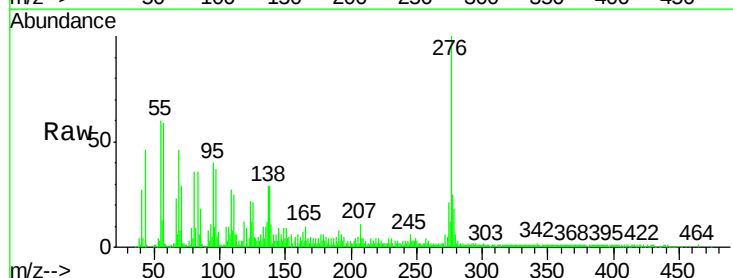
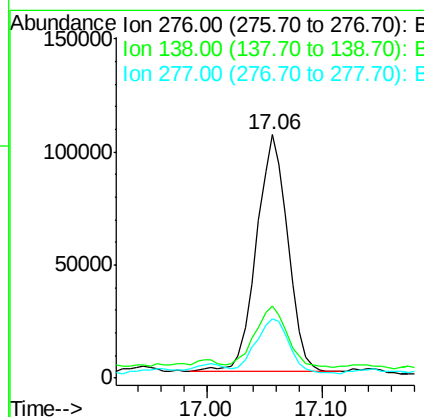
RT: 17.06 min Scan# 2545

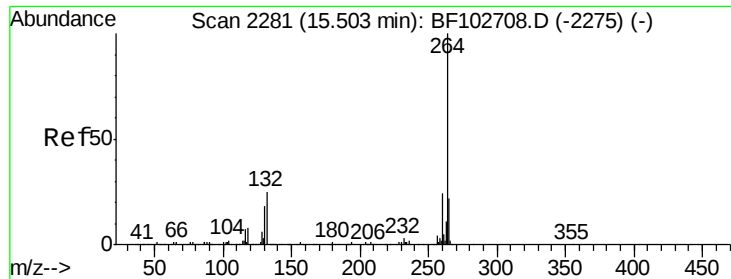
Delta R.T. 0.04 min

Lab File: BF102779.D

Acq: 6 Feb 2018 13:03

Tgt Ion:	276	Resp:	197612
Ion Ratio	Lower	Upper	
276	100		
138	27.6	25.0	37.6
277	24.6	20.1	30.1





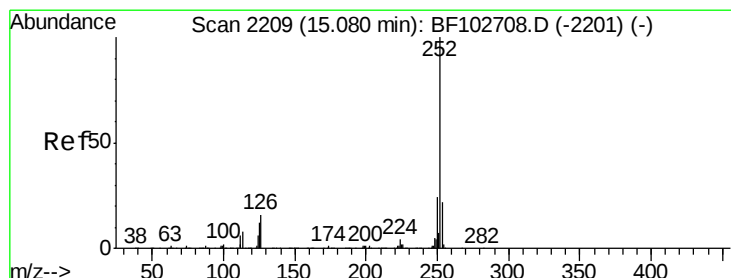
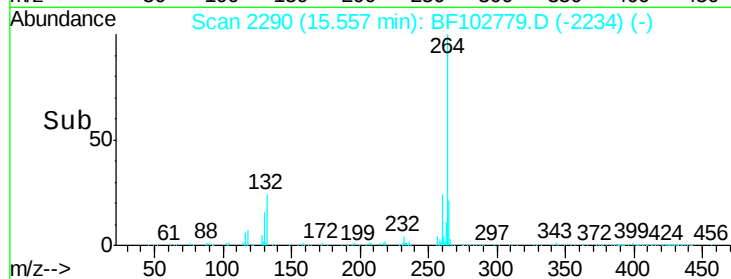
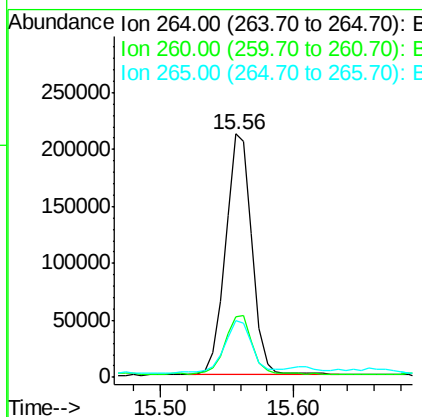
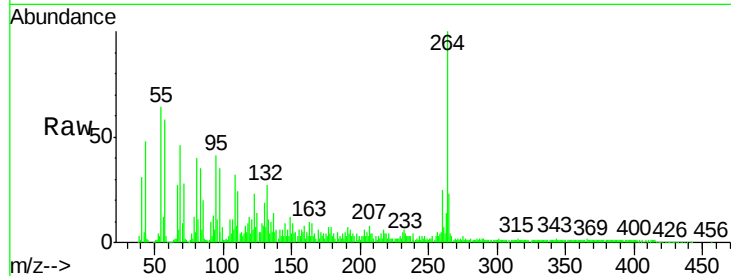
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2290
Delta R.T. 0.03 min
Lab File: BF102779.D
Acq: 6 Feb 2018 13:03

Instrument :
BNA_F
ClientSampleId :
8-SAN-8-EW(1-4)

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.2	28.8
265	23.1	17.5	26.3

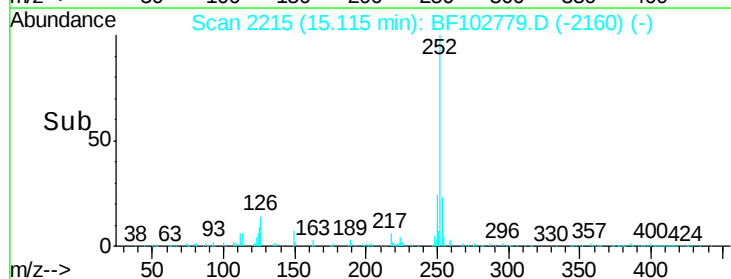
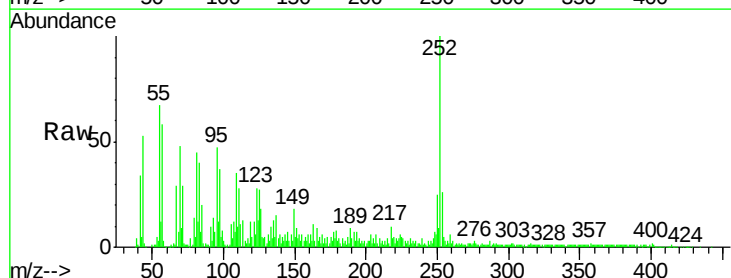
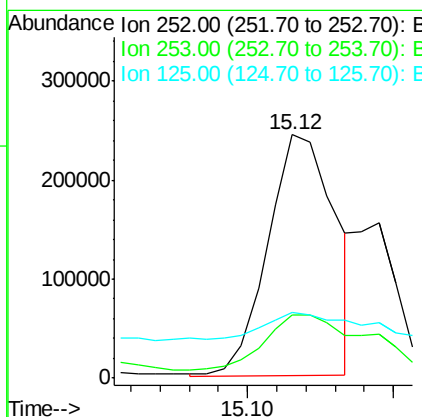
Manual Integrations
APPROVED

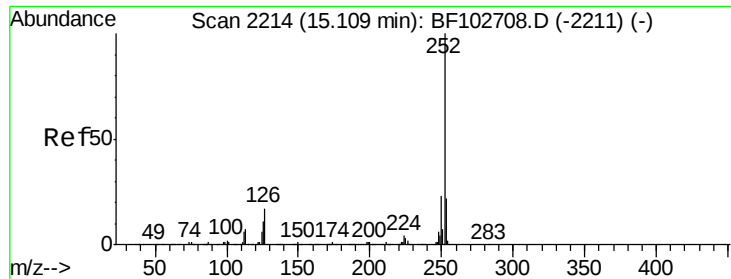
Sohil
2/7/2018 4:16:13 PM



#87
Benzo(b)fluoranthene
Concen: 20.516 ng m
RT: 15.12 min Scan# 2215
Delta R.T. 0.02 min
Lab File: BF102779.D
Acq: 6 Feb 2018 13:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.0	25.6#
125	27.2	9.0	13.6#





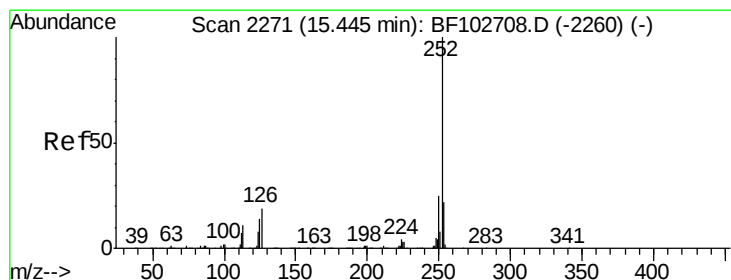
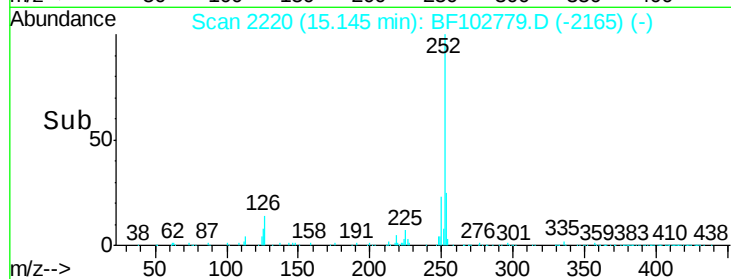
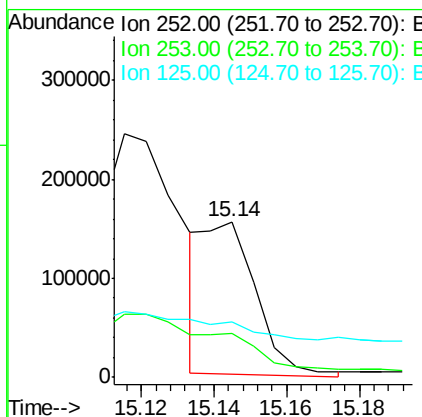
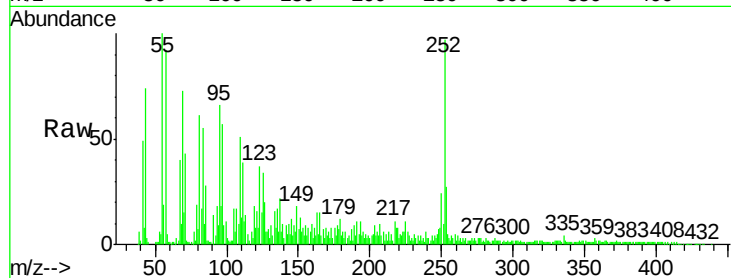
#88
Benzo(k)fluoranthene
Concen: 8.531 ng m
RT: 15.14 min Scan# 2220
Delta R.T. 0.02 min
Lab File: BF102779.D
Acq: 6 Feb 2018 13:03

Instrument :
BNA_F
ClientSampleId :
8-SAN-8-EW(1-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.0	17.9	26.9#
125	35.4	10.2	15.2#

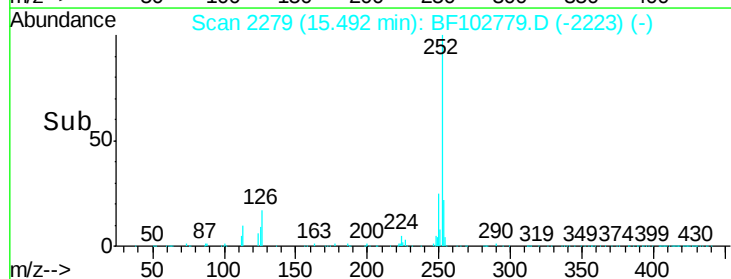
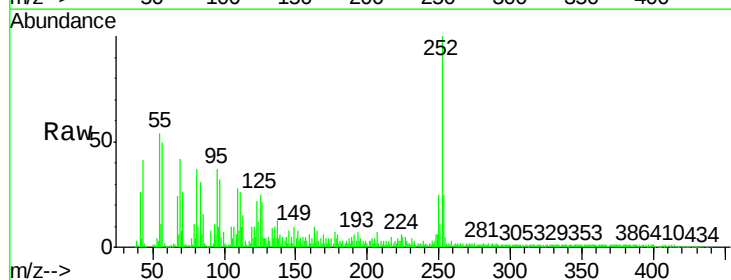
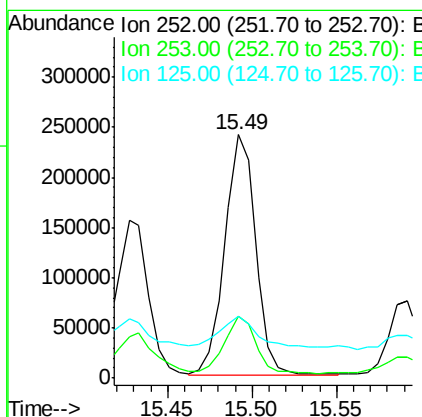
Manual Integrations
APPROVED

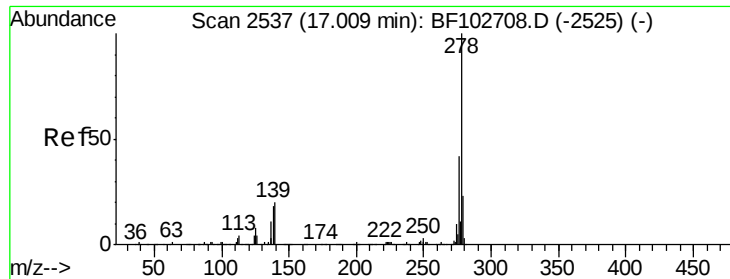
Sohil
2/7/2018 4:16:13 PM



#89
Benzo(a)pyrene
Concen: 17.681 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.03 min
Lab File: BF102779.D
Acq: 6 Feb 2018 13:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.1	25.7
125	25.2	9.8	14.6#





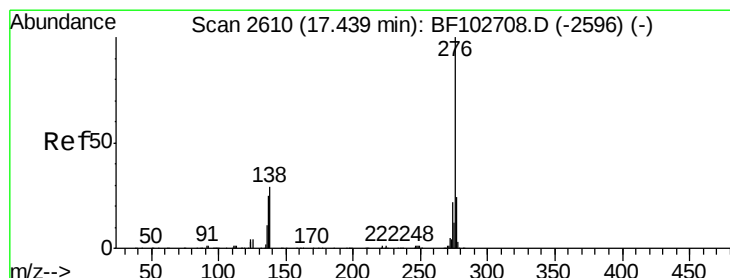
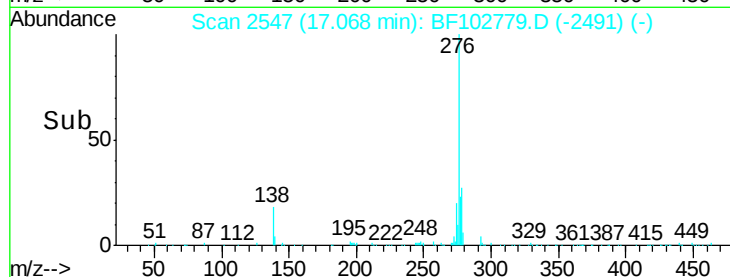
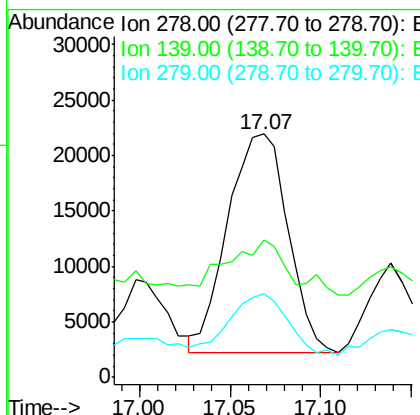
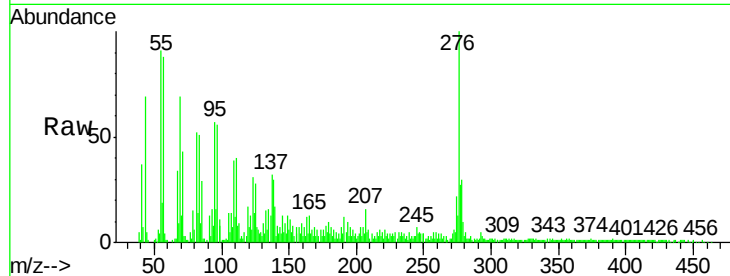
#90
Dibenzo(a,h)anthracene
Concen: 3.262 ng
RT: 17.07 min Scan# 2547
Delta R.T. 0.03 min
Lab File: BF102779.D
Acq: 6 Feb 2018 13:03

Instrument :
BNA_F
ClientSampleId :
8-SAN-8-EW(1-4)

Tot Ion	Ratio	Lower	Upper
278	100		
139	56.6	15.9	23.9#
279	34.4	19.0	28.4#

Manual Integrations
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2/7/2018 4:16:13 PM



#91
Benzo(g,h,i)perylene
Concen: 14.664 ng
RT: 17.52 min Scan# 2623
Delta R.T. 0.04 min
Lab File: BF102779.D
Acq: 6 Feb 2018 13:03

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	17.9	26.9
138	27.0	21.8	32.8

