

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030518\
 Data File : BF103407.D
 Acq On : 5 Mar 2018 14:10
 Operator : SJ/JU
 Sample : J1751-03 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-030118-B

Manual Integrations
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Sohil
 3/6/2018 4:22:51 PM

Quant Time: Mar 05 15:25:42 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 05 13:40:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	138143	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	571680	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	243629	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	365997	20.00	ng	0.00
75) Chrysene-d12	14.07	240	228833	20.00	ng	0.00
86) Perylene-d12	15.59	264	196131	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	535398	58.62	ng	0.00
7) Phenol-d6	6.52	99	641082	57.36	ng	0.00
23) Nitrobenzene-d5	7.43	82	367525	36.71	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	86264	41.83	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	544934	32.55	ng	0.00
78) Terphenyl-d14	12.99	244	359275	37.74	ng	0.00
Target Compounds						
10) Phenol	6.53	94	27049	2.085	ng	Qvalue # 54
48) Acenaphthylene	9.77	152	80924	3.257	ng	98
49) Dimethylphthalate	9.62	163	127523	6.525	ng	98
51) Acenaphthene	9.95	154	75463	5.208	ng	99
54) Dibenzofuran	10.12	168	61884	3.111	ng	98
57) Fluorene	10.46	166	110959	6.548	ng	98
70) Phenanthrene	11.44	178	853049	42.352	ng	99
71) Anthracene	11.49	178	343625	16.637	ng	99
74) Fluoranthene	12.64	202	1489562	73.593	ng	99
77) Pyrene	12.87	202	1371474	76.871	ng	99
80) Benzo(a)anthracene	14.06	228	743925	50.104	ng	97
82) Chrysene	14.10	228	602128	41.766	ng	98
85) Indeno(1,2,3-cd)pyrene	17.14	276	257442	22.556	ng	95
87) Benzo(b)fluoranthene	15.14	252	785938m	60.947	ng	
88) Benzo(k)fluoranthene	15.17	252	237427m	19.552	ng	
89) Benzo(a)pyrene	15.53	252	522581	45.380	ng	95
90) Dibenzo(a,h)anthracene	17.13	278	71079	7.988	ng	# 82
91) Benzo(g,h,i)perylene	17.61	276	228550	26.280	ng	93

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

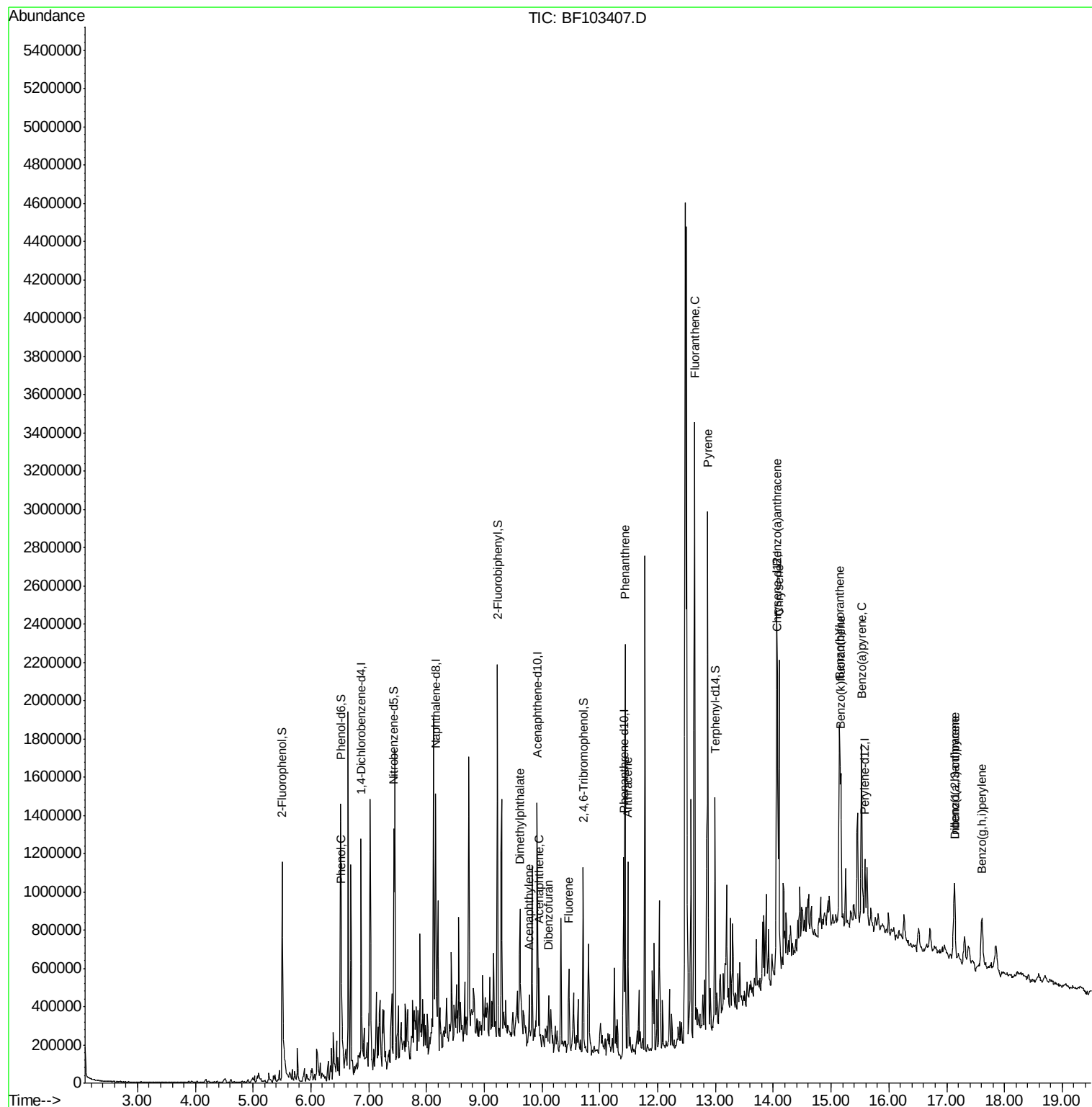
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030518\
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ALS Vial : 9 Sample Multiplier: 1

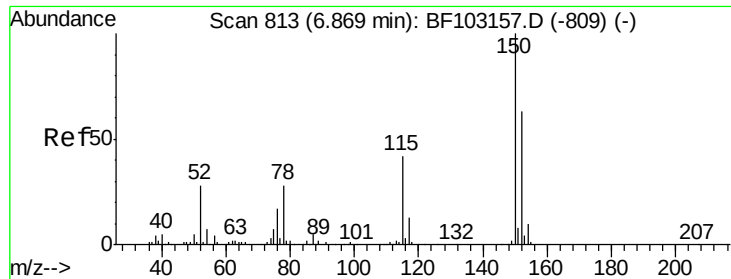
Instrument :
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ClientSampleId :
JC-02-030118-B

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#1

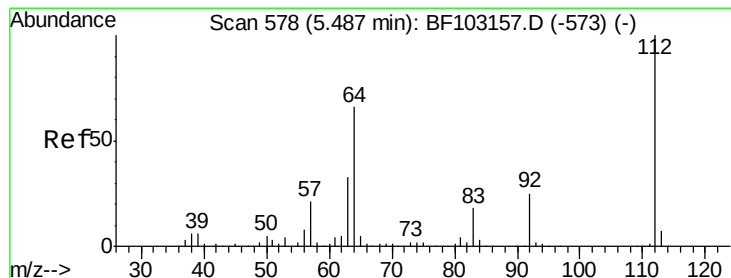
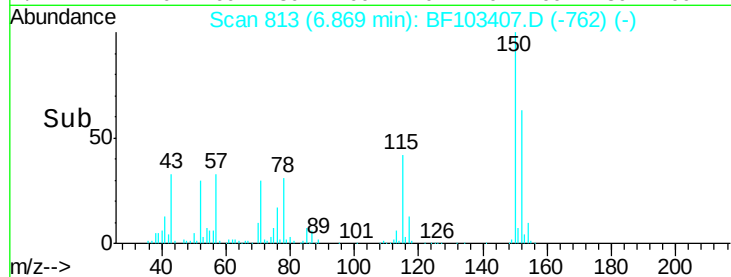
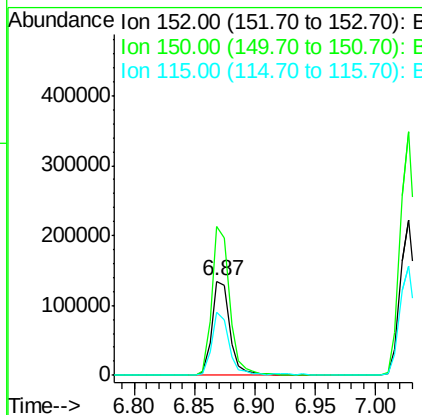
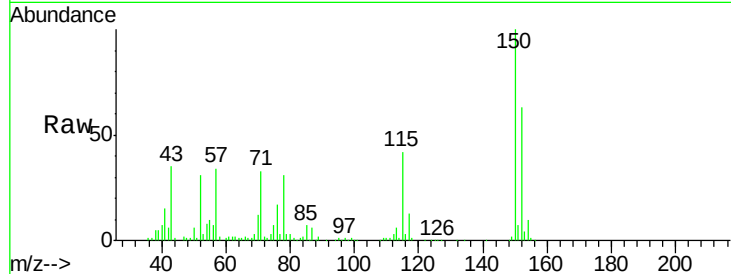
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF103407.D
Acq: 5 Mar 2018 14:10

Instrument :
BNA_F
ClientSampleId :
JC-02-030118-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.1	124.6	186.8
115	67.3	50.1	75.1

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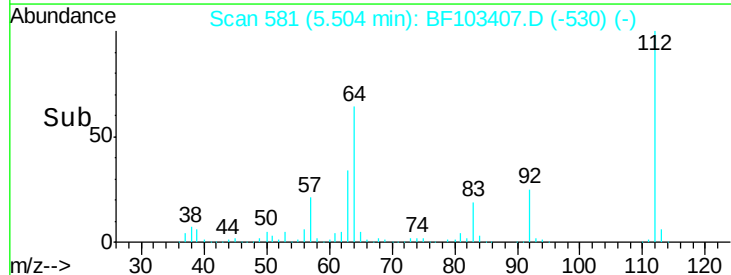
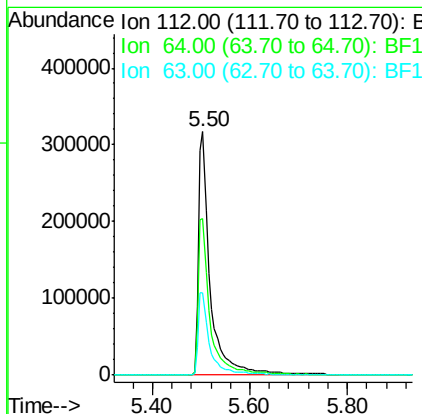
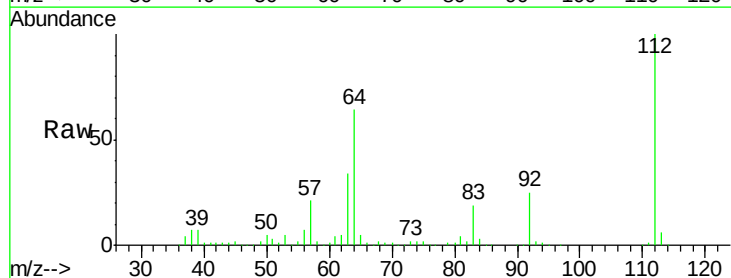
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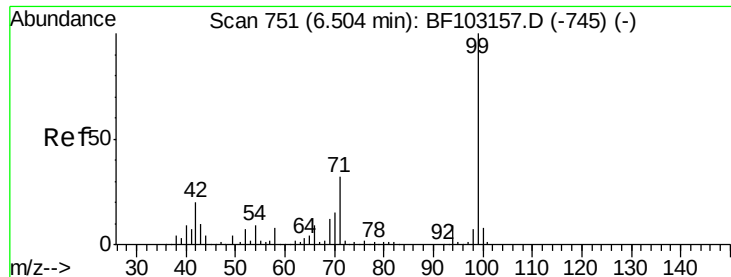


#5

2-Fluorophenol
Concen: 58.617 ng
RT: 5.50 min Scan# 581
Delta R.T. -0.00 min
Lab File: BF103407.D
Acq: 5 Mar 2018 14:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.4	47.9	71.9
63	33.6	23.7	35.5





#7

Phenol-d6

Concen: 57.359 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF103407.D

Acq: 5 Mar 2018 14:10

Instrument :

BNA_F

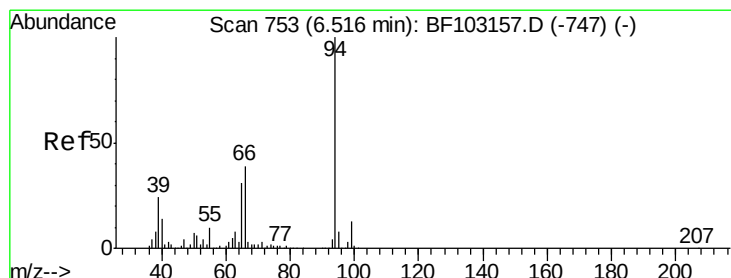
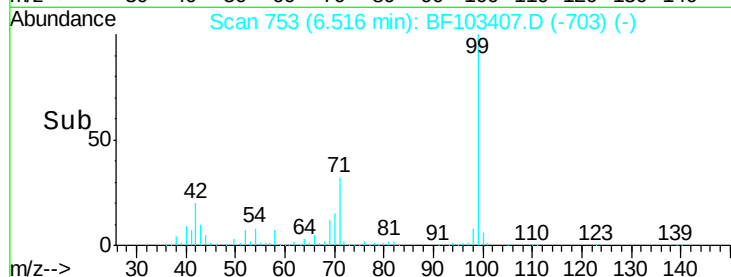
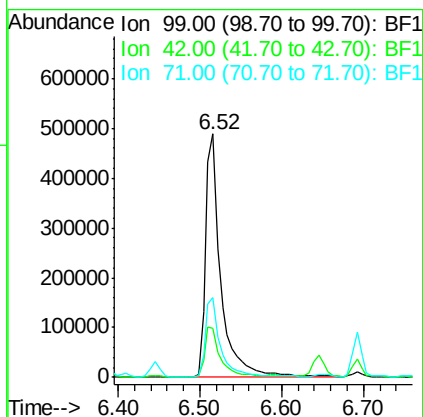
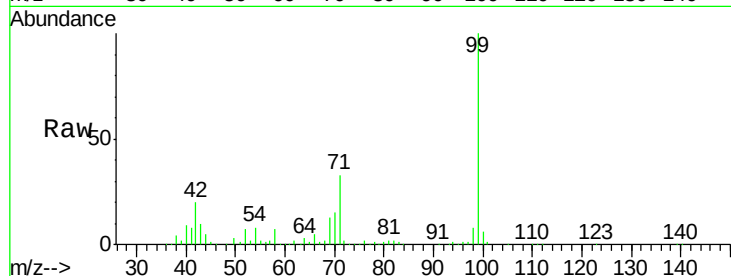
ClientSampleId :

JC-02-030118-B

Tot Ion:	99	Resp:	641082
Ion	Ratio	Lower	Upper
99	100		
42	20.4	14.5	21.7
71	32.5	25.4	38.0

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#10

Phenol

Concen: 2.085 ng

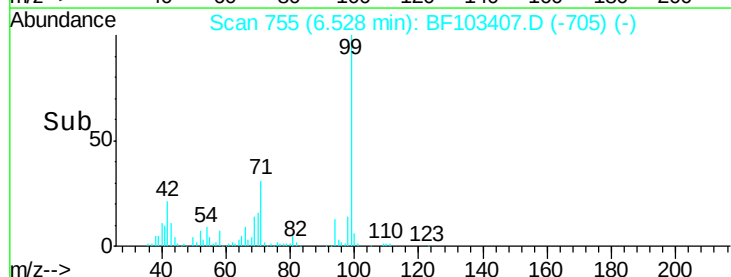
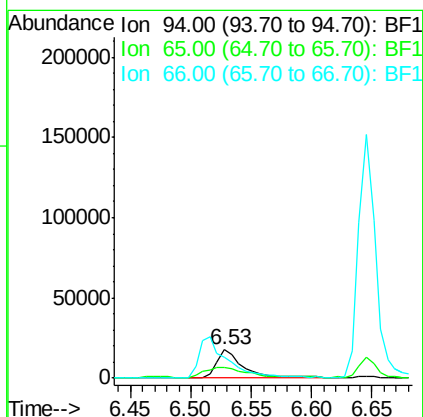
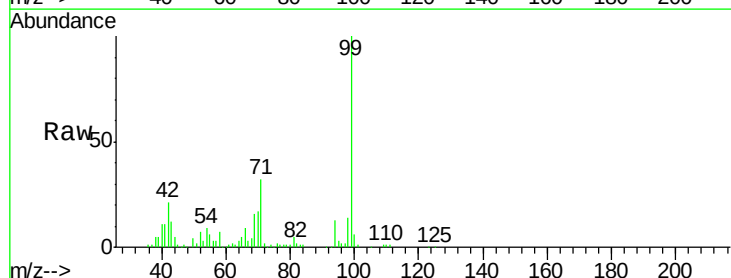
RT: 6.53 min Scan# 755

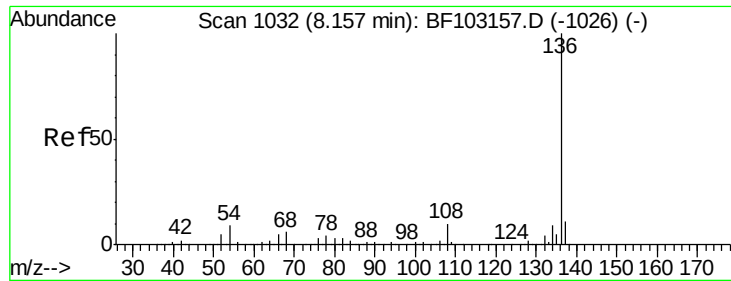
Delta R.T. -0.01 min

Lab File: BF103407.D

Acq: 5 Mar 2018 14:10

Tgt Ion:	94	Resp:	27049
Ion	Ratio	Lower	Upper
94	100		
65	39.5	7.9	47.9
66	74.2	16.2	56.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BF103407.D

Acq: 5 Mar 2018 14:10

Instrument :

BNA_F

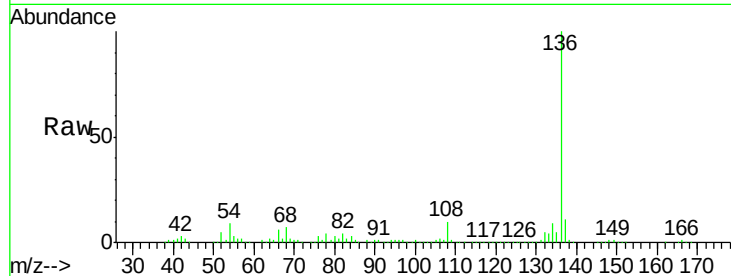
ClientSampleId :

JC-02-030118-B

Tot Ion	Ratio	Resp	Lower	Upper
136	100	571680		
137	10.6		8.9	13.3
54	9.2		6.6	9.8
68	6.7		5.0	7.4

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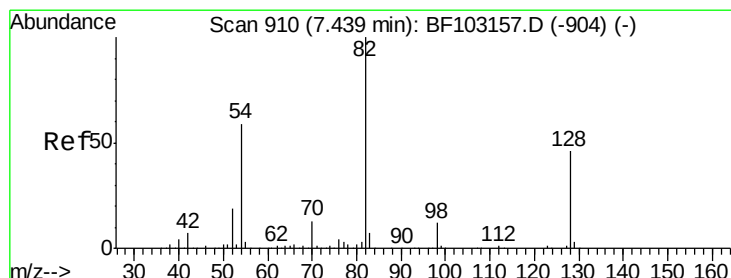
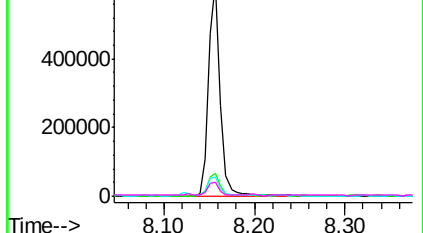
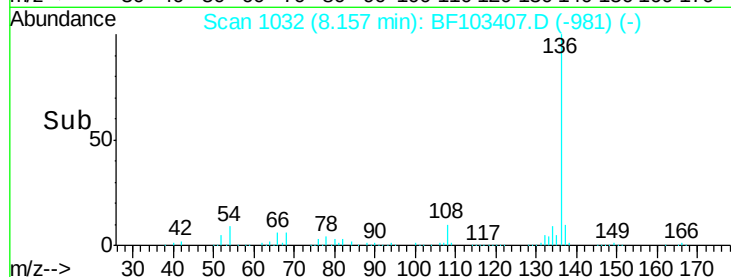


Abundance Ion 136.00 (135.70 to 136.70): E

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: 36.714 ng

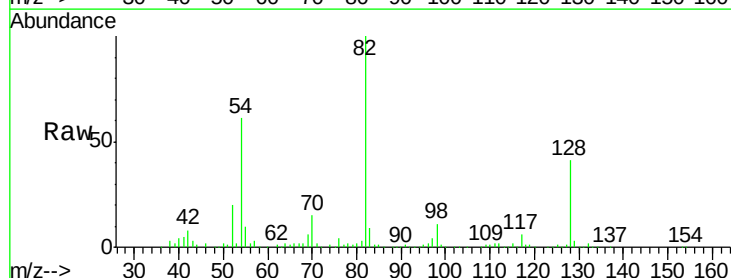
RT: 7.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF103407.D

Acq: 5 Mar 2018 14:10

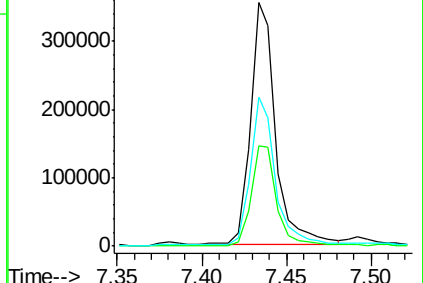
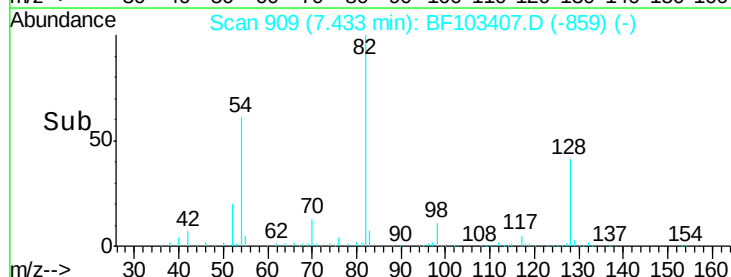
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	367525		
128	41.2		36.1	54.1
54	61.1		41.4	62.2

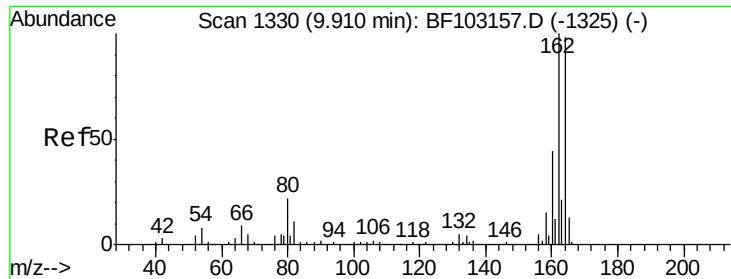


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





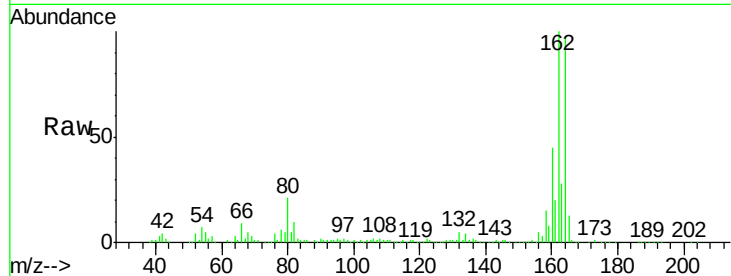
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.00 min
Lab File: BF103407.D
Acq: 5 Mar 2018 14:10

Instrument :
BNA_F
ClientSampleId :
JC-02-030118-B

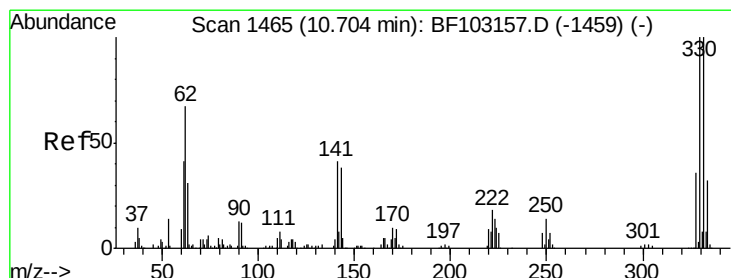
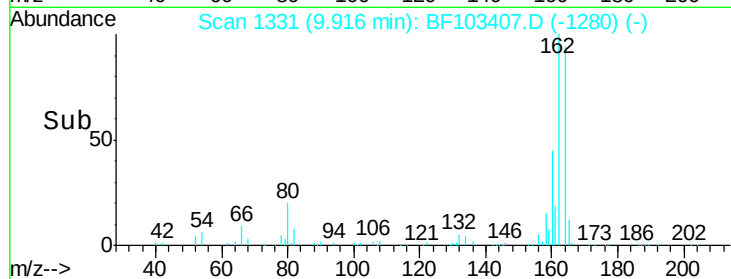
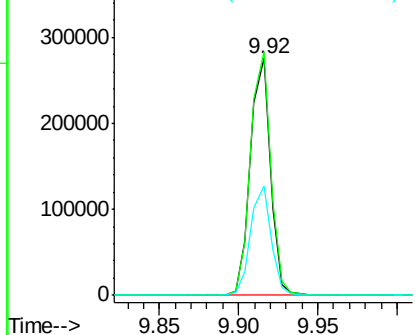
Tot Ion	Ratio	Resp	Lower	Upper
164	100	243629		
162	102.8		86.1	129.1
160	46.0		38.3	57.5

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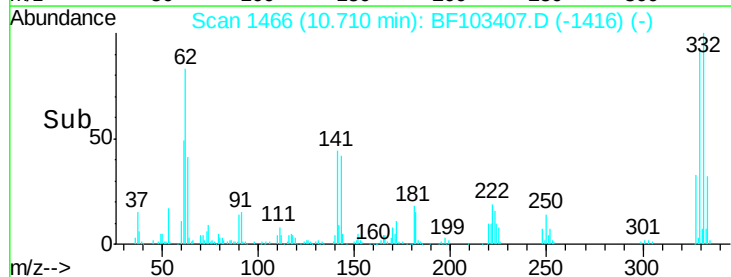
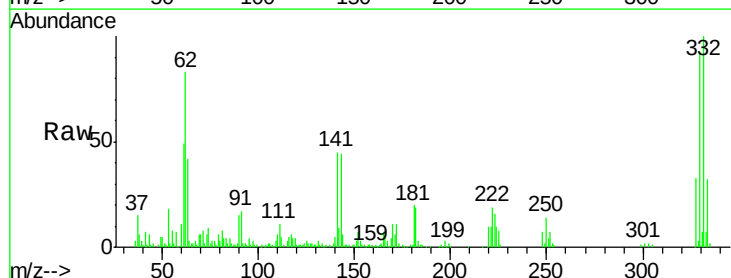
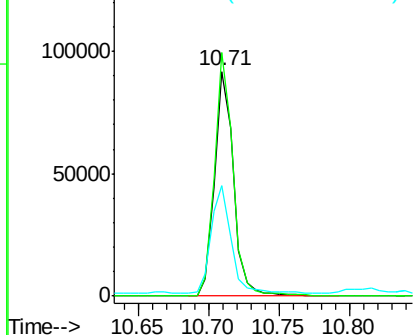
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

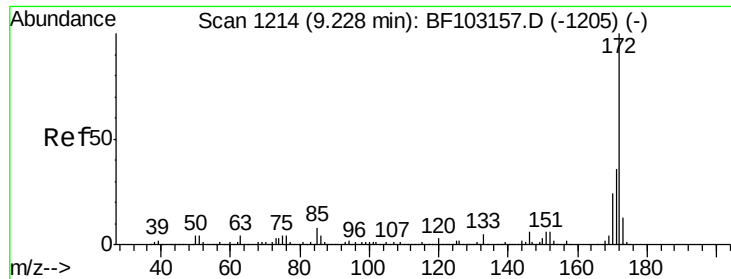


#41
2,4,6-Tribromophenol
Concen: 41.831 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.01 min
Lab File: BF103407.D
Acq: 5 Mar 2018 14:10

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	86264		
332	105.0		77.0	115.6
141	49.9		29.9	44.9#

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





#44

2-Fluorobiphenyl

Concen: 32.552 ng

RT: 9.23 min Scan# 1214

Delta R.T. -0.01 min

Lab File: BF103407.D

Acq: 5 Mar 2018 14:10

Instrument :

BNA_F

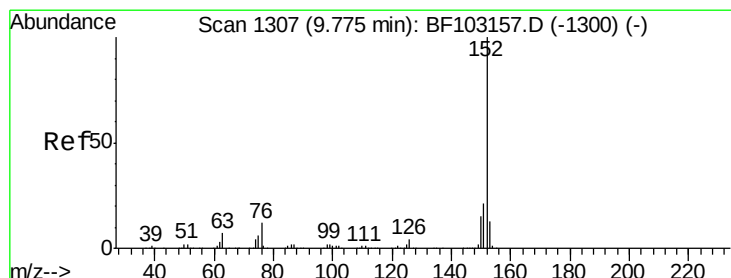
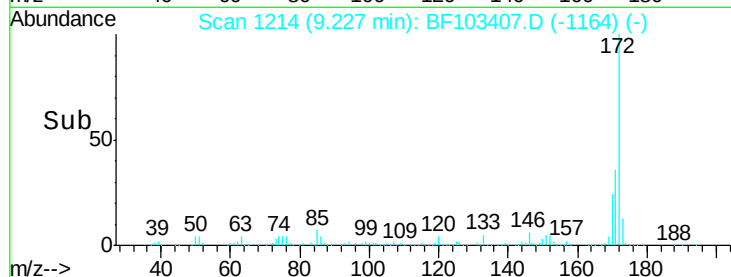
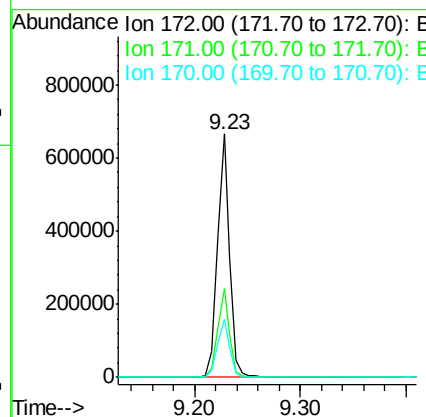
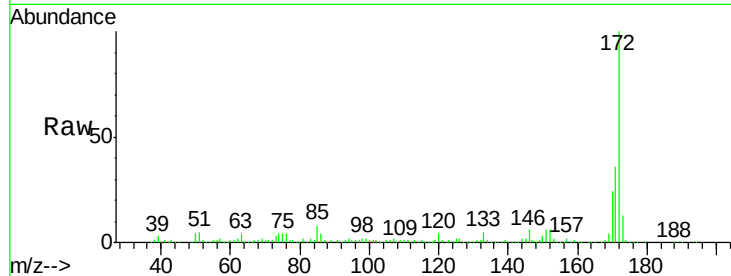
ClientSampleId :

JC-02-030118-B

Tot Ion:	172	Resp:	544934
Ion Ratio	Lower	Upper	
172	100		
171	36.3	29.7	44.5
170	24.0	19.6	29.4

Manual Integrations
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#48

Acenaphthylene

Concen: 3.257 ng

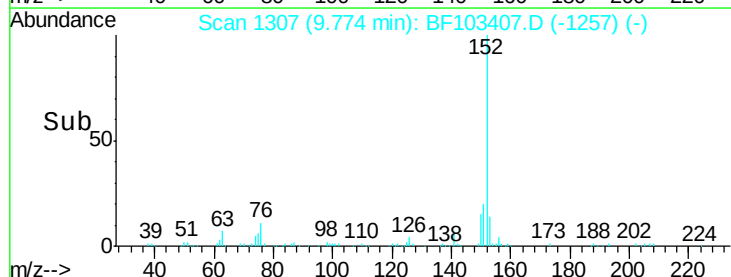
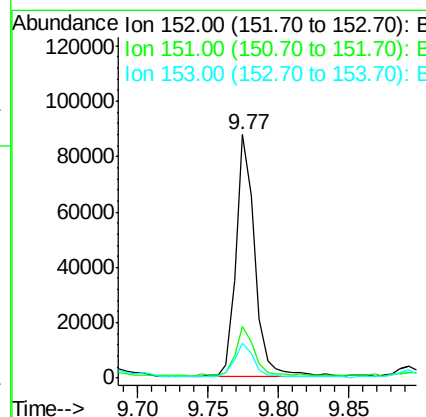
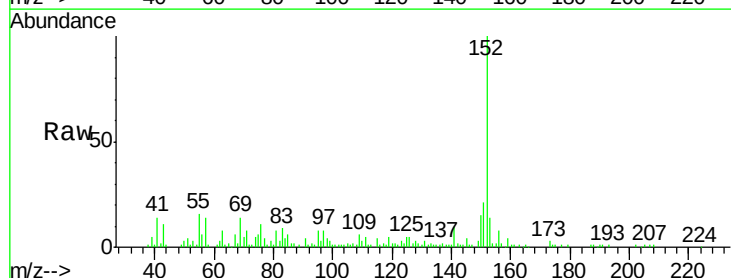
RT: 9.77 min Scan# 1307

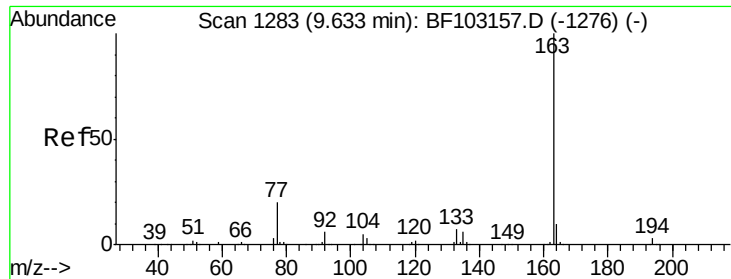
Delta R.T. -0.01 min

Lab File: BF103407.D

Acq: 5 Mar 2018 14:10

Tgt Ion:	152	Resp:	80924
Ion Ratio	Lower	Upper	
152	100		
151	21.1	16.3	24.5
153	14.5	10.7	16.1





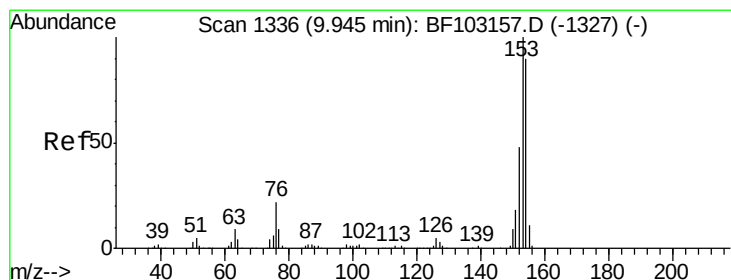
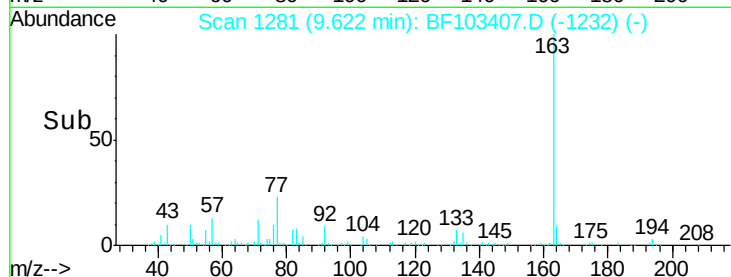
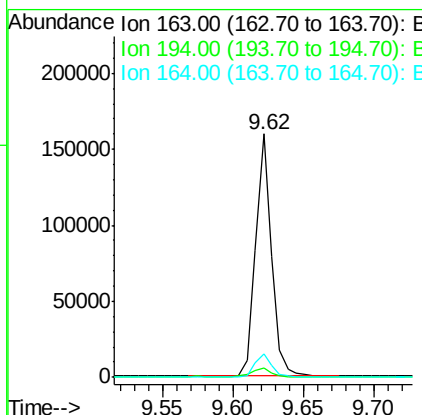
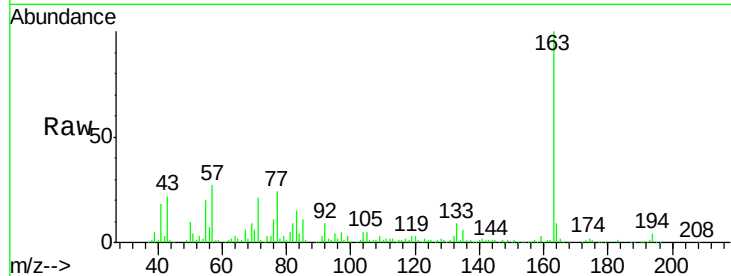
#49
Dimethylphthalate
Concen: 6.525 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF103407.D
Acq: 5 Mar 2018 14:10

Instrument :
BNA_F
ClientSampleId :
JC-02-030118-B

Tot Ion	Ratio	Resp	Lower	Upper
163	100	127523		
194	3.7		2.7	4.1
164	9.5		8.2	12.2

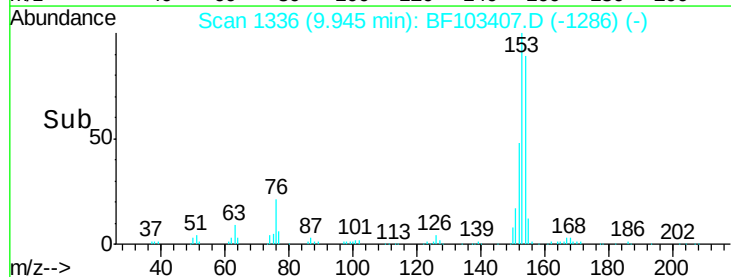
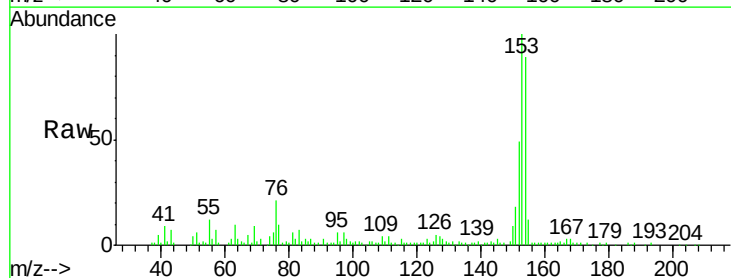
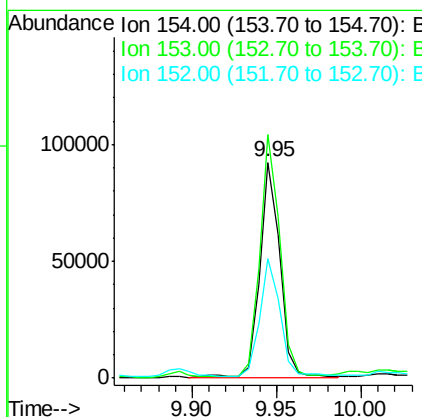
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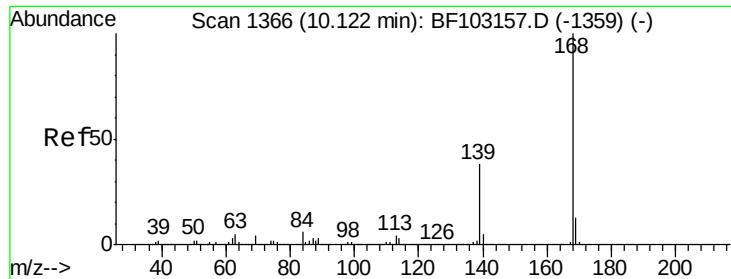
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#51
Acenaphthene
Concen: 5.208 ng
RT: 9.95 min Scan# 1336
Delta R.T. -0.01 min
Lab File: BF103407.D
Acq: 5 Mar 2018 14:10

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	75463		
153	112.7		91.2	136.8
152	55.2		43.8	65.8





#54

Dibenzenofuran

Concen: 3.111 ng

RT: 10.12 min Scan# 1366

Delta R.T. -0.00 min

Lab File: BF103407.D

Acq: 5 Mar 2018 14:10

Instrument :

BNA_F

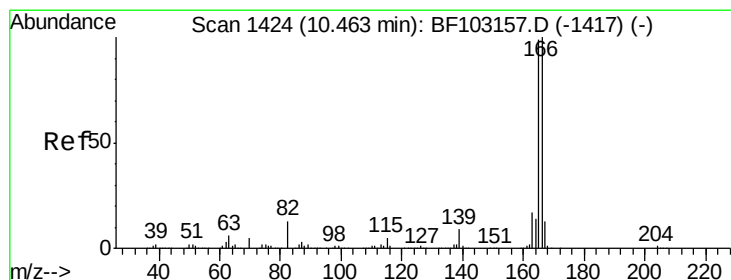
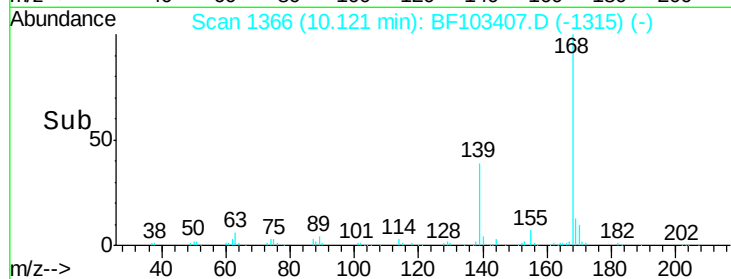
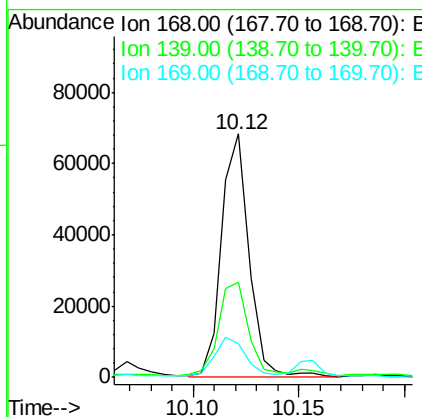
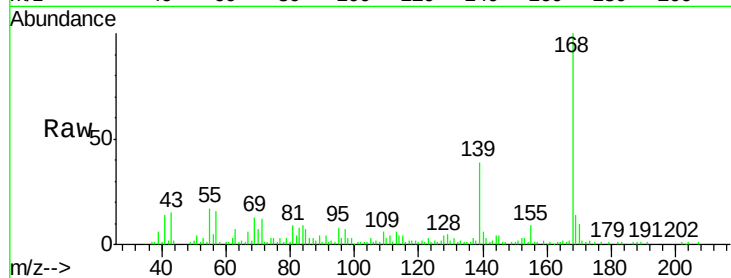
ClientSampleId :

JC-02-030118-B

Tot Ion:	168	Resp:	61884
Ion Ratio	Lower	Upper	
168	100		
139	39.2	30.1	45.1
169	13.8	10.9	16.3

Manual Integrations
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#57

Fluorene

Concen: 6.548 ng

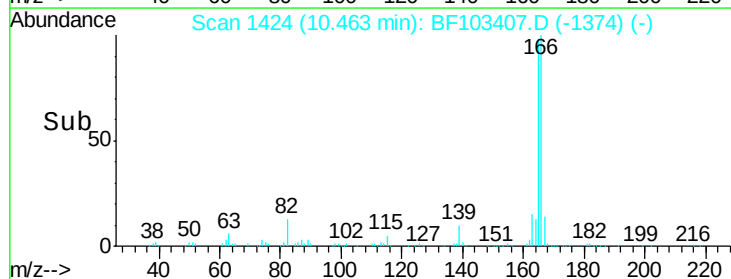
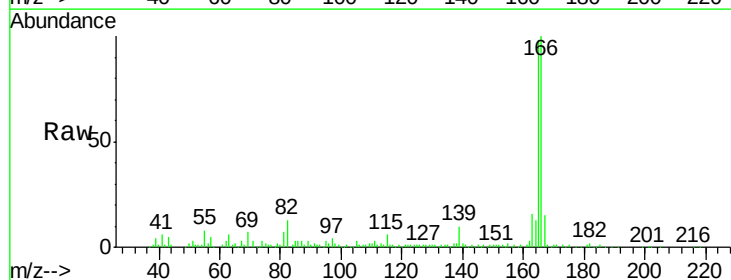
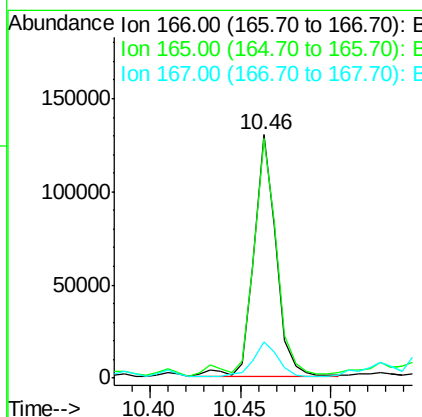
RT: 10.46 min Scan# 1424

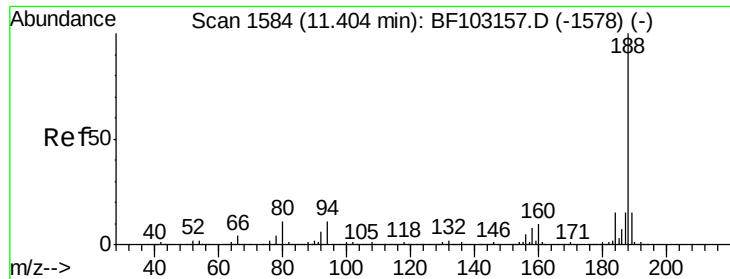
Delta R.T. -0.01 min

Lab File: BF103407.D

Acq: 5 Mar 2018 14:10

Tgt Ion:	166	Resp:	110959
Ion Ratio	Lower	Upper	
166	100		
165	98.4	79.8	119.8
167	14.8	10.6	16.0





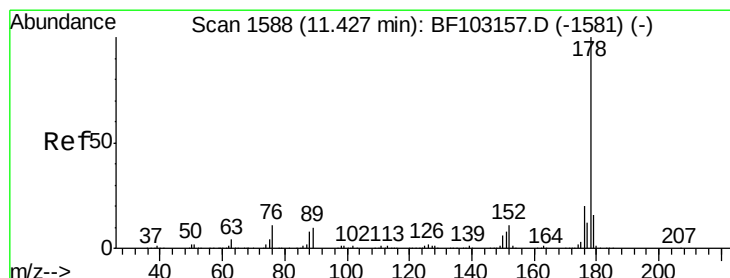
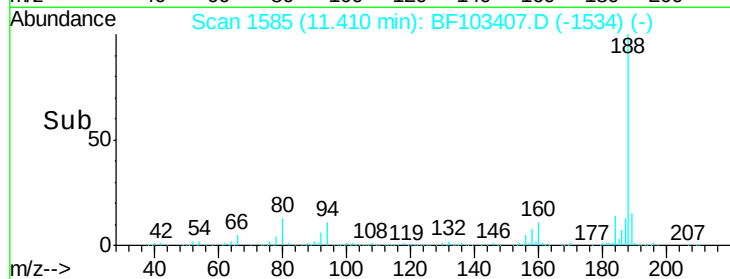
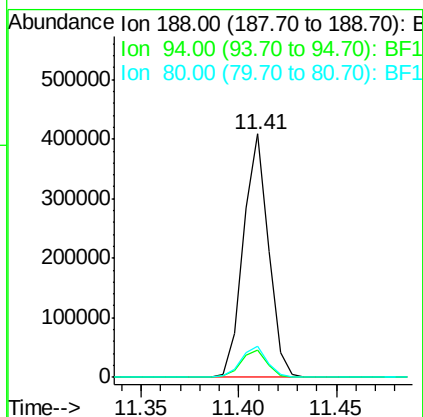
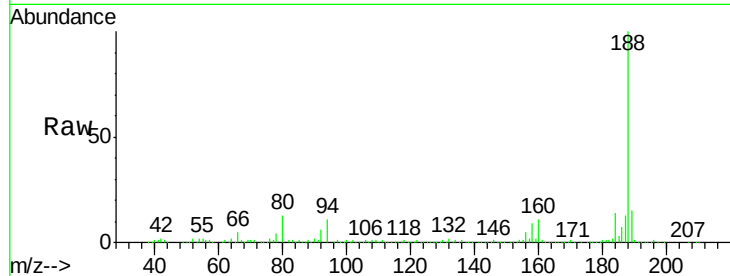
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: BF103407.D
 Acq: 5 Mar 2018 14:10

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-030118-B

Tot Ion	Ratio	Resp	Lower	Upper
188	100	365997		
94	11.1		8.5	12.7
80	12.9		9.2	13.8

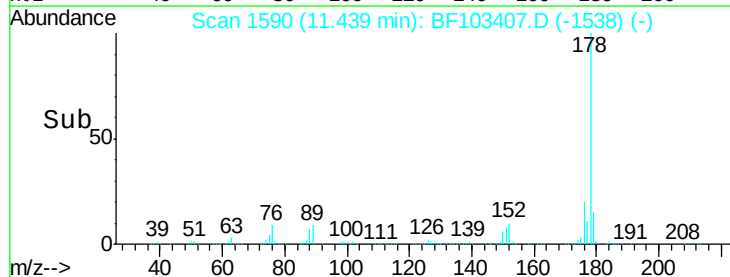
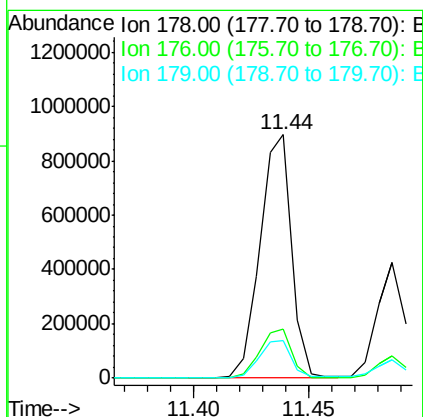
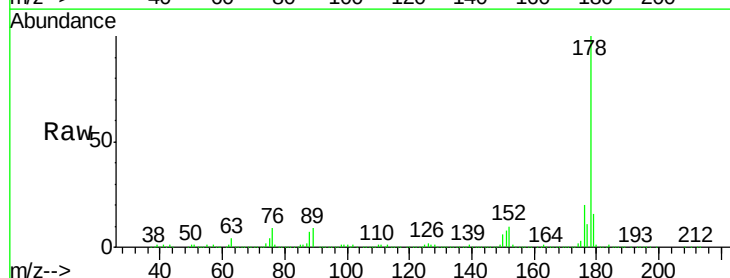
Manual Integrations
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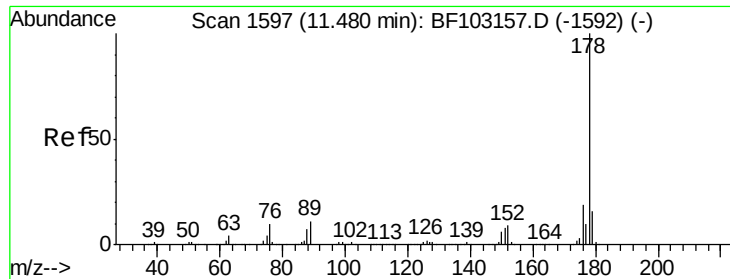
Sohil
 3/6/2018 4:22:51 PM



#70
 Phenanthrene
 Concen: 42.352 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. 0.01 min
 Lab File: BF103407.D
 Acq: 5 Mar 2018 14:10

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	853049		
176	20.0		15.8	23.8
179	15.6		13.0	19.6





#71

Anthracene

Concen: 16.637 ng

RT: 11.49 min Scan# 1598

Delta R.T. -0.00 min

Lab File: BF103407.D

Acq: 5 Mar 2018 14:10

Instrument :

BNA_F

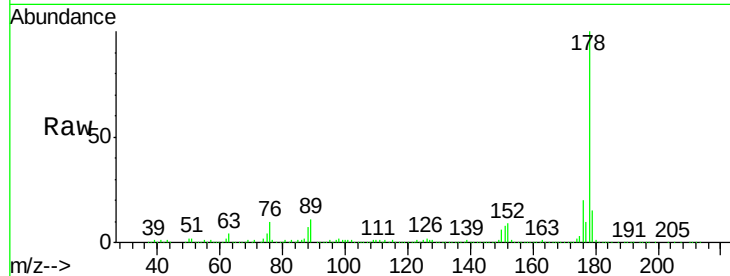
ClientSampleId :

JC-02-030118-B

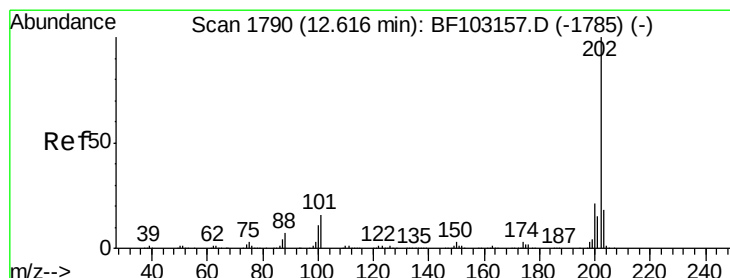
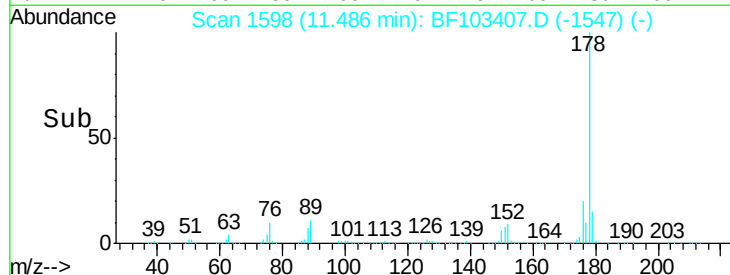
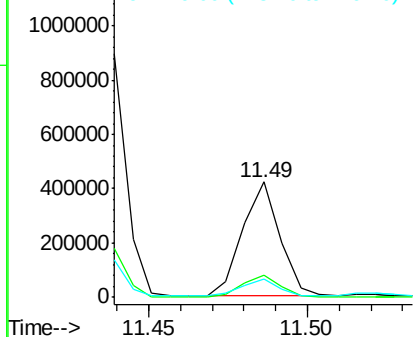
Tot Ion:	178	Resp:	343625
Ion Ratio	Lower	Upper	
178	100		
176	19.6	15.4	23.2
179	15.4	12.6	19.0

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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



#74

Fluoranthene

Concen: 73.593 ng

RT: 12.64 min Scan# 1794

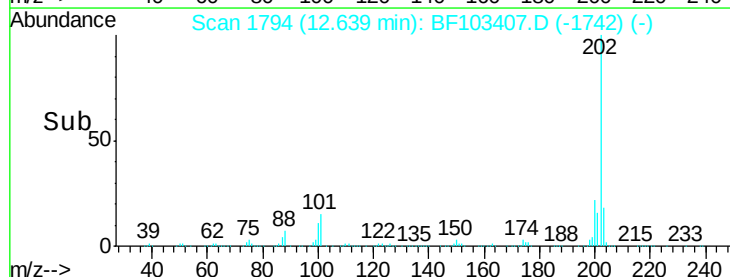
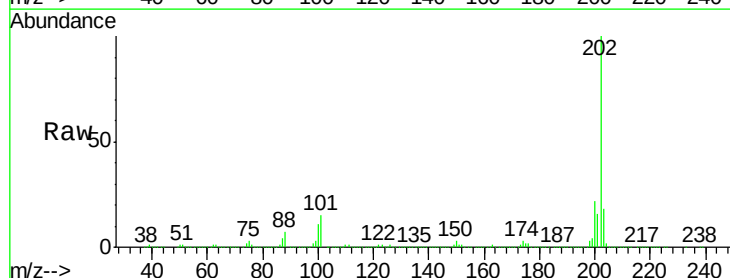
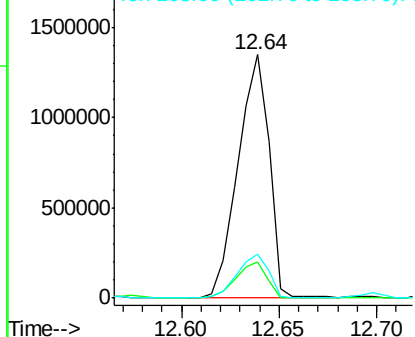
Delta R.T. 0.01 min

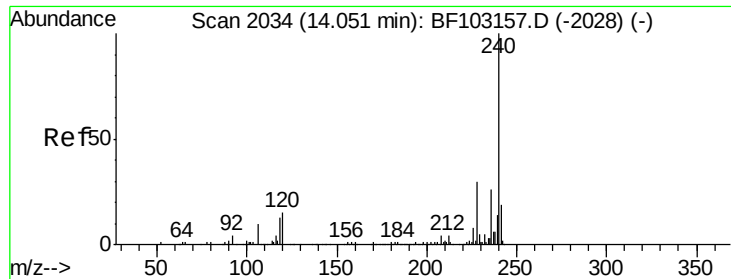
Lab File: BF103407.D

Acq: 5 Mar 2018 14:10

Tgt Ion:	202	Resp:	1489562
Ion Ratio	Lower	Upper	
202	100		
101	15.1	0.0	34.1
203	17.9	0.0	38.1

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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.07 min Scan# 2038

Delta R.T. 0.01 min

Lab File: BF103407.D

Acq: 5 Mar 2018 14:10

Instrument :

BNA_F

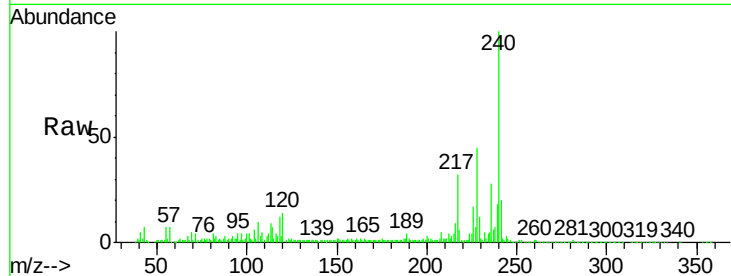
ClientSampleId :

JC-02-030118-B

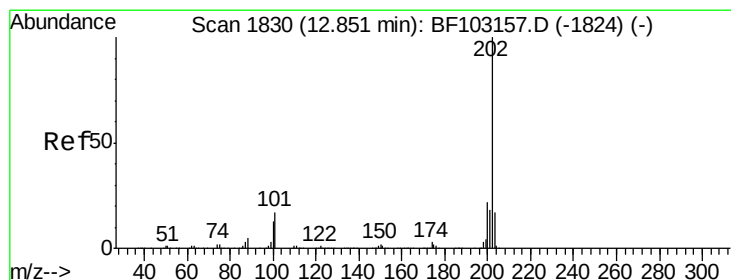
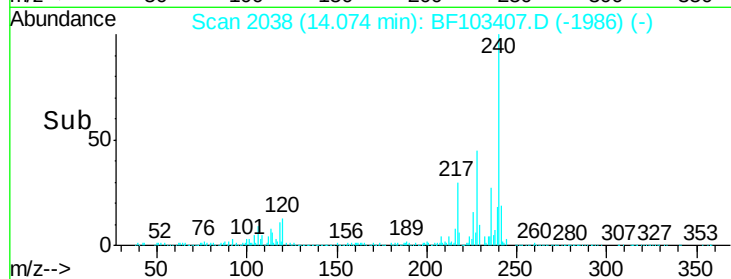
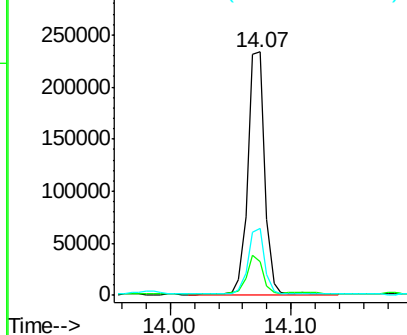
Tot Ion:	240	Resp:	228833
Ion Ratio	Lower	Upper	
240	100		
120	13.7	9.5	14.3
236	27.7	20.7	31.1

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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: 76.871 ng

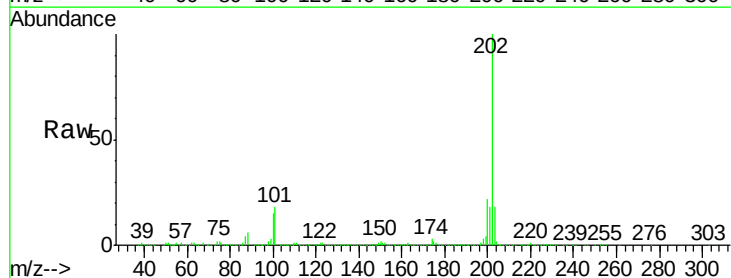
RT: 12.87 min Scan# 1833

Delta R.T. 0.01 min

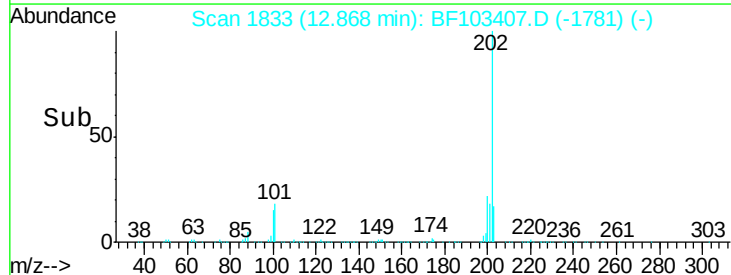
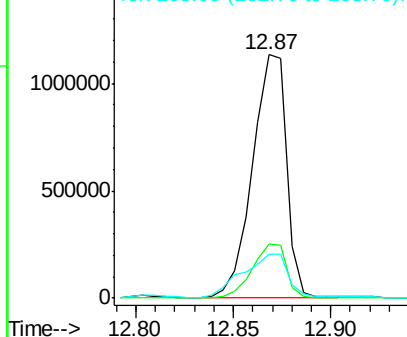
Lab File: BF103407.D

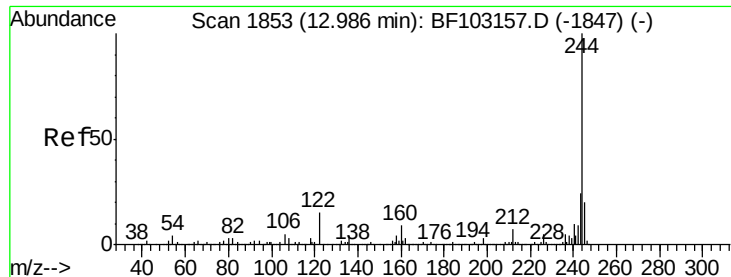
Acq: 5 Mar 2018 14:10

Tgt Ion:	202	Resp:	1371474
Ion Ratio	Lower	Upper	
202	100		
200	22.3	17.4	26.2
203	18.2	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: 37.741 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.00 min

Lab File: BF103407.D

Acq: 5 Mar 2018 14:10

Instrument :

BNA_F

ClientSampleId :

JC-02-030118-B

Tot Ion:244 Resp: 359275

Ion Ratio Lower Upper

244 100

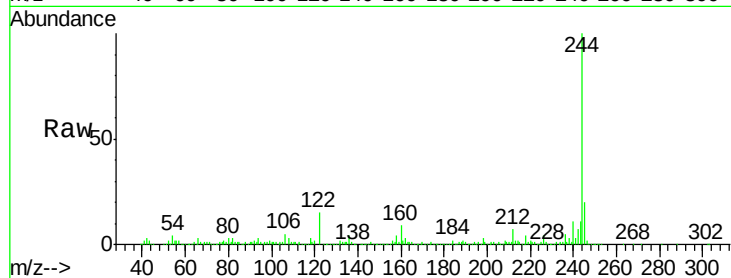
212 7.1 5.4 8.0

122 15.1 11.0 16.4

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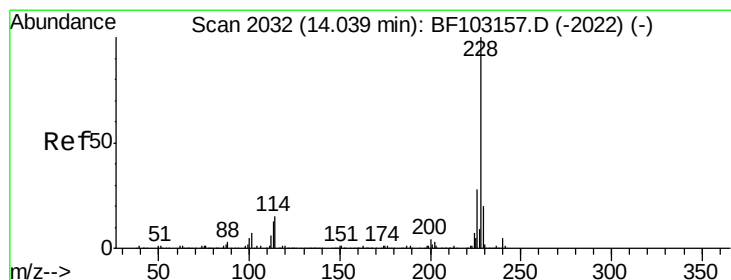
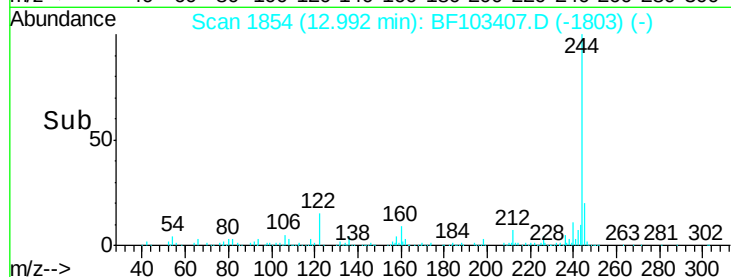
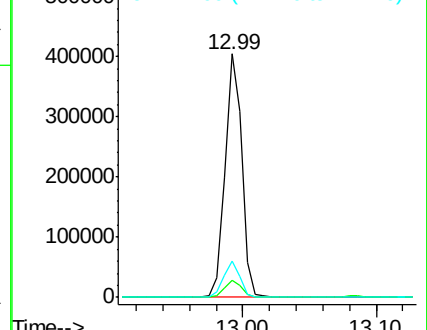
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 50.104 ng

RT: 14.06 min Scan# 2036

Delta R.T. 0.01 min

Lab File: BF103407.D

Acq: 5 Mar 2018 14:10

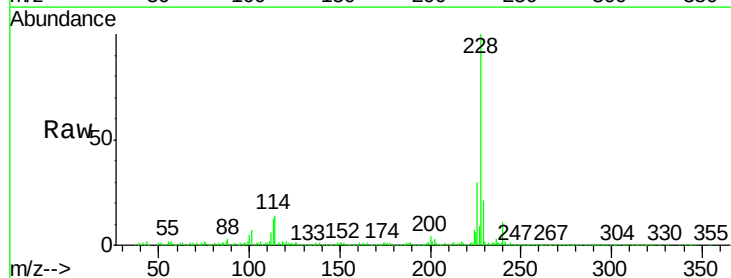
Tgt Ion:228 Resp: 743925

Ion Ratio Lower Upper

228 100

226 29.9 22.6 33.8

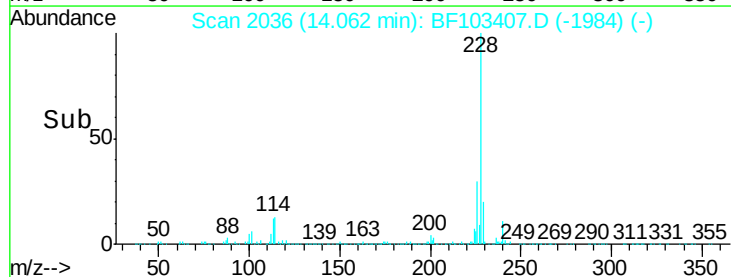
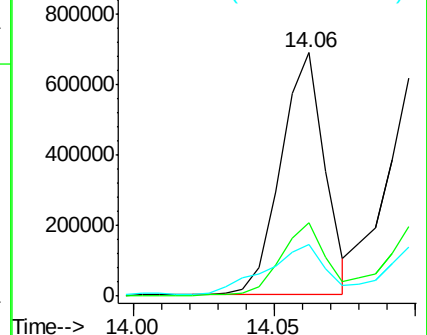
229 21.0 15.8 23.6

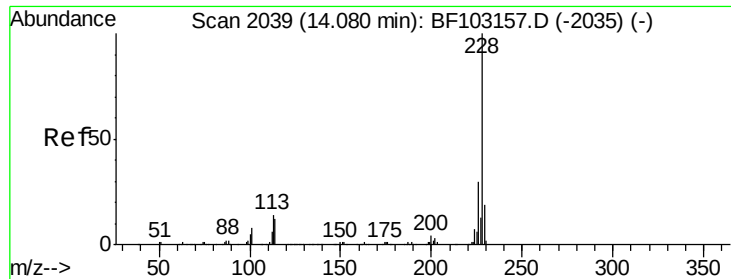


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





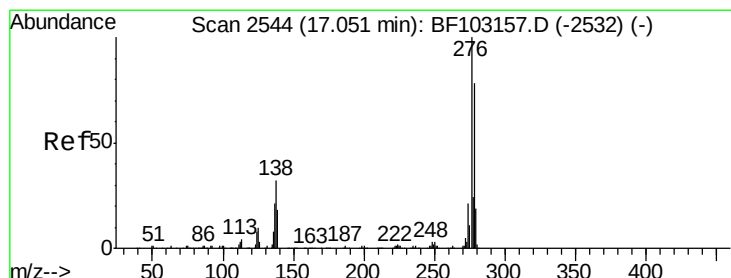
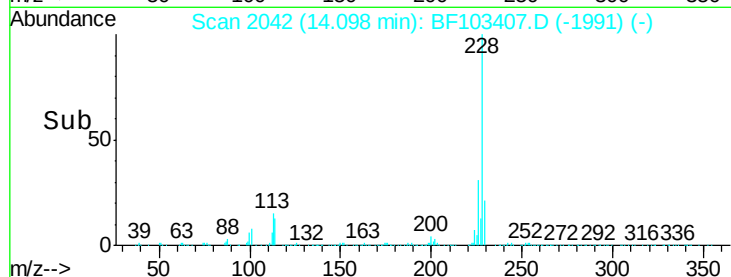
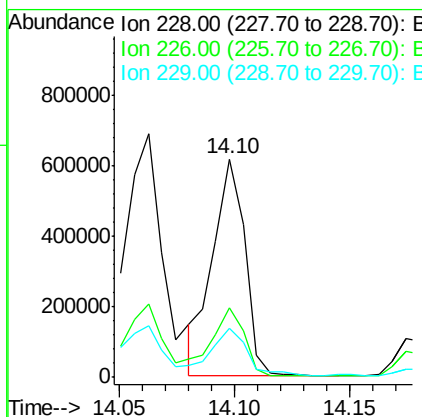
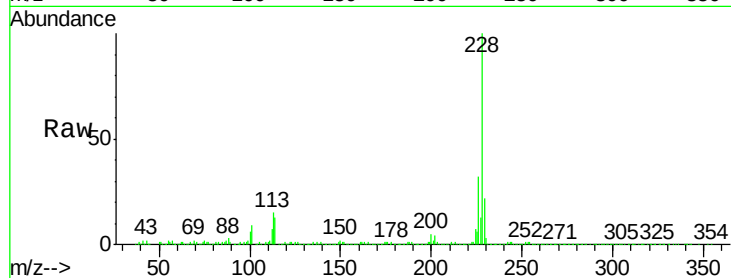
#82
Chrysene
Concen: 41.766 ng
RT: 14.10 min Scan# 2042
Delta R.T. -0.00 min
Lab File: BF103407.D
Acq: 5 Mar 2018 14:10

Instrument :
BNA_F
ClientSampleId :
JC-02-030118-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.5	25.0	37.6
229	22.5	16.2	24.4

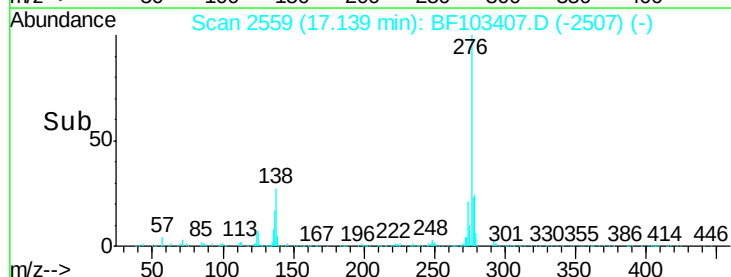
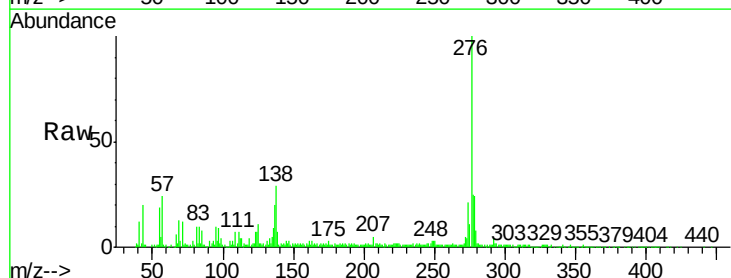
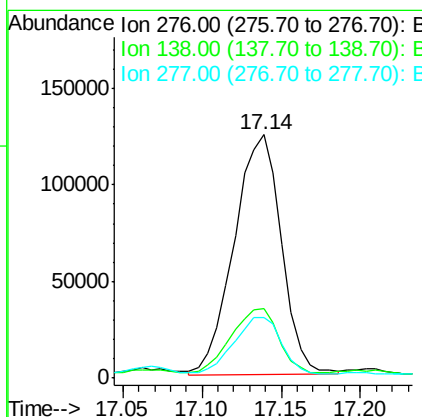
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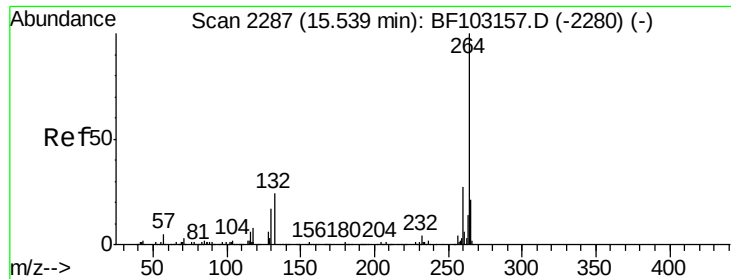
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#85
Indeno(1,2,3-cd)pyrene
Concen: 22.556 ng
RT: 17.14 min Scan# 2559
Delta R.T. 0.01 min
Lab File: BF103407.D
Acq: 5 Mar 2018 14:10

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.6	25.0	37.6
277	24.1	20.1	30.1





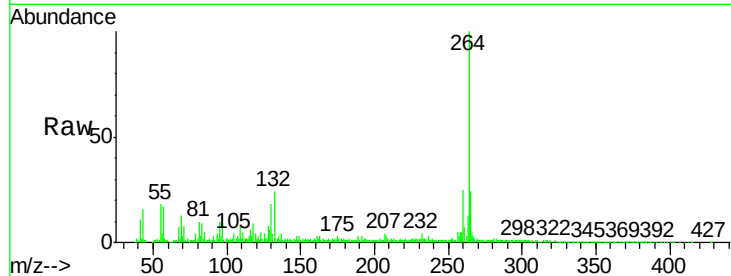
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.59 min Scan# 2295
Delta R.T. 0.01 min
Lab File: BF103407.D
Acq: 5 Mar 2018 14:10

Instrument :
BNA_F
ClientSampleId :
JC-02-030118-B

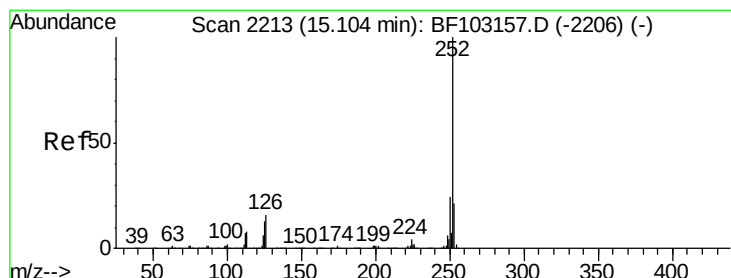
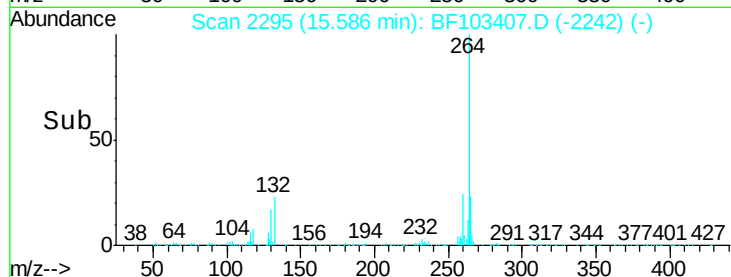
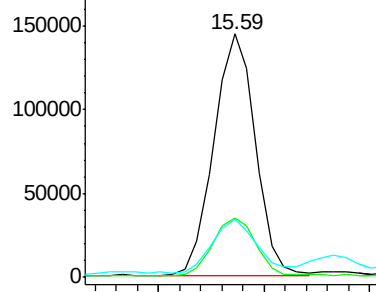
Tot Ion:	264	Resp:	196131
Ion Ratio	Lower	Upper	
264	100		
260	24.6	19.2	28.8
265	23.6	17.5	26.3

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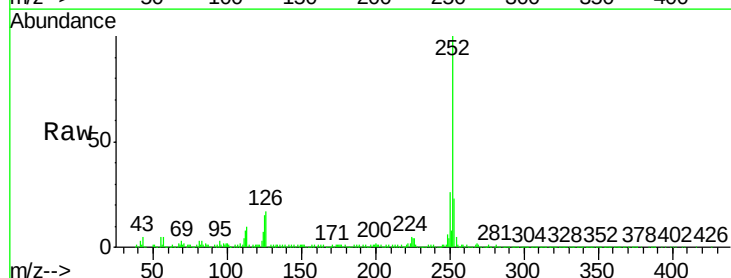


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

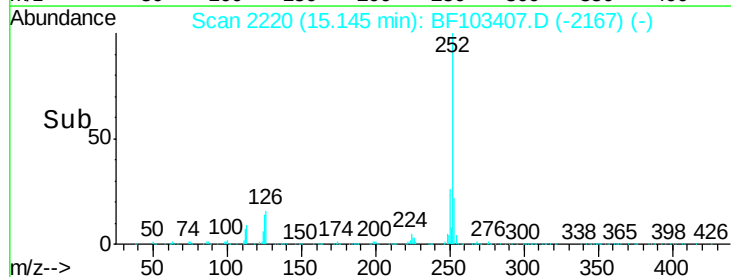
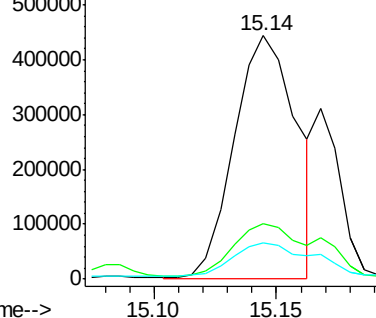


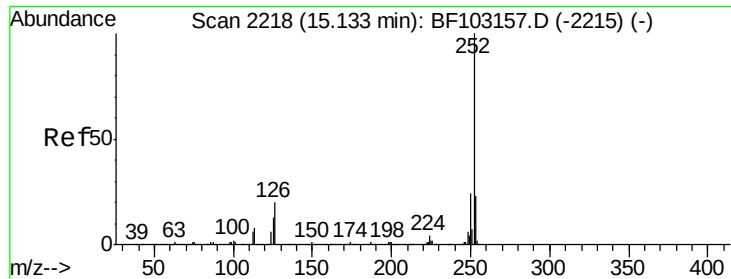
#87
Benzo(b)fluoranthene
Concen: 60.947 ng m
RT: 15.14 min Scan# 2220
Delta R.T. 0.01 min
Lab File: BF103407.D
Acq: 5 Mar 2018 14:10

Tgt Ion:	252	Resp:	785938
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.0	25.6
125	14.9	9.0	13.6#



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





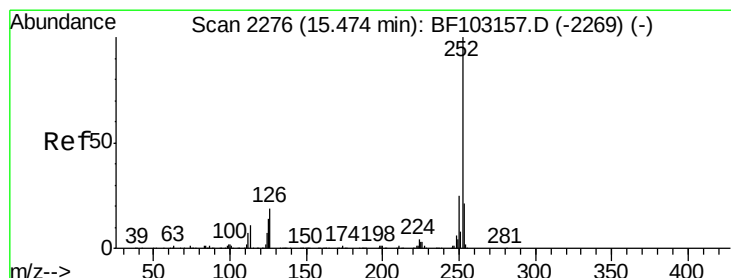
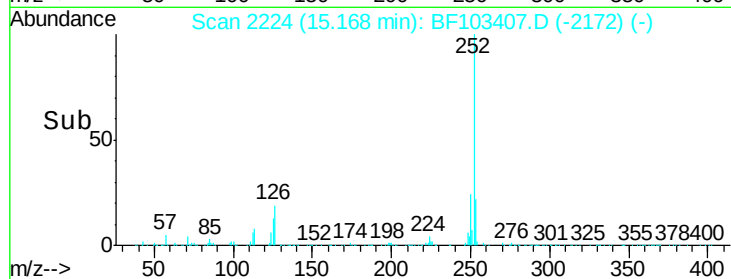
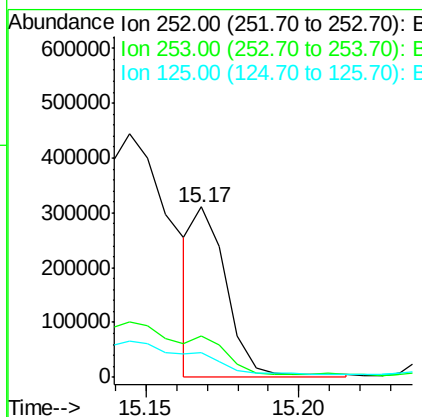
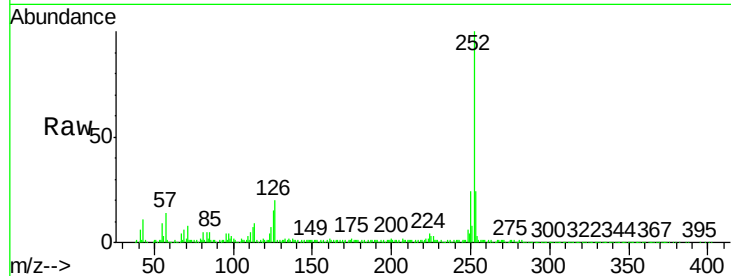
#88
Benzo(k)fluoranthene
Concen: 19.552 ng m
RT: 15.17 min Scan# 2224
Delta R.T. 0.01 min
Lab File: BF103407.D
Acq: 5 Mar 2018 14:10

Instrument :
BNA_F
ClientSampleId :
JC-02-030118-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.9	26.9
125	14.7	10.2	15.2

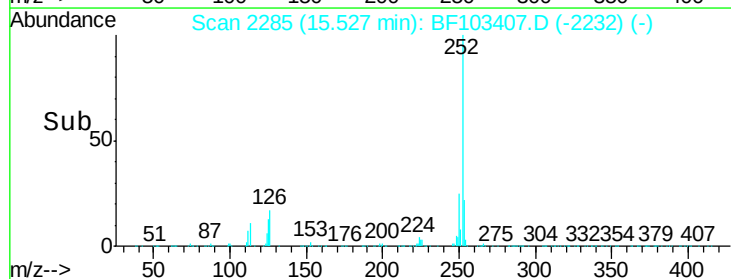
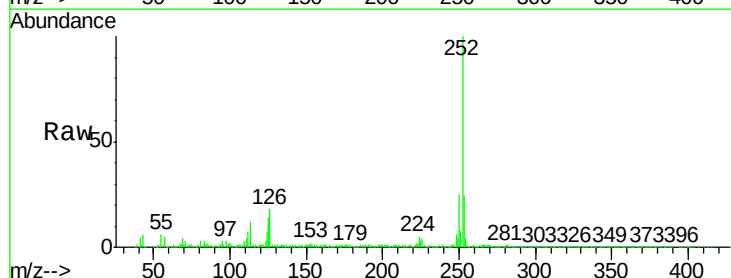
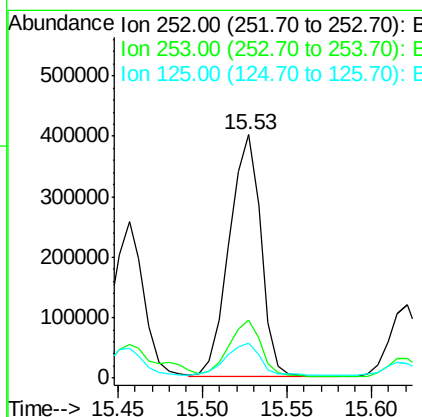
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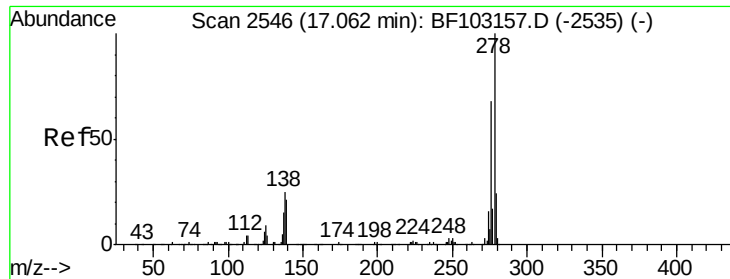
Sohil
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#89
Benzo(a)pyrene
Concen: 45.380 ng
RT: 15.53 min Scan# 2285
Delta R.T. 0.01 min
Lab File: BF103407.D
Acq: 5 Mar 2018 14:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.1	25.7
125	14.2	9.8	14.6





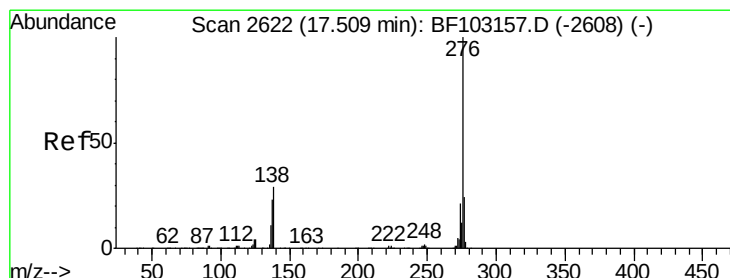
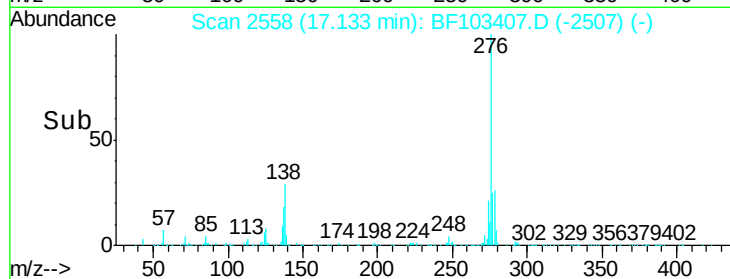
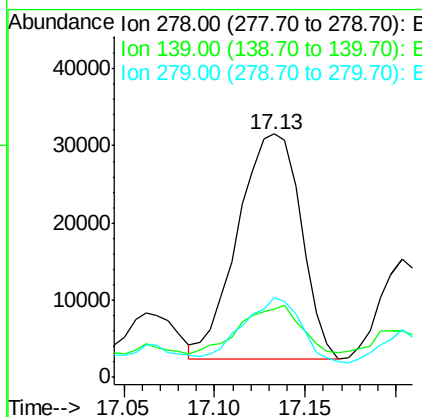
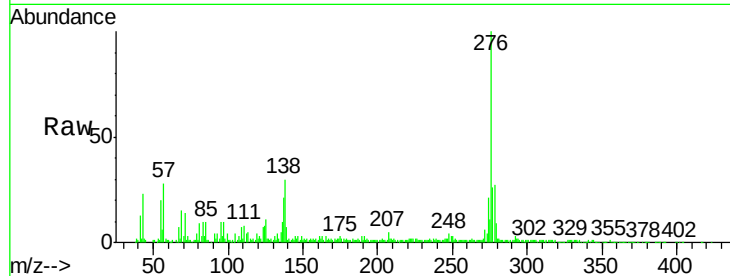
#90
Dibenzo(a,h)anthracene
Concen: 7.988 ng
RT: 17.13 min Scan# 2558
Delta R.T. -0.00 min
Lab File: BF103407.D
Acq: 5 Mar 2018 14:10

Instrument :
BNA_F
ClientSampleId :
JC-02-030118-B

Tot Ion	Ratio	Lower	Upper
278	100		
139	27.9	15.9	23.9#
279	32.9	19.0	28.4#

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#91
Benzo(g,h,i)perylene
Concen: 26.280 ng
RT: 17.61 min Scan# 2639
Delta R.T. 0.02 min
Lab File: BF103407.D
Acq: 5 Mar 2018 14:10

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.6	17.9	26.9
138	30.7	21.8	32.8

