

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
 Data File : BF103213.D
 Acq On : 26 Feb 2018 12:47
 Operator : SJ/JU
 Sample : J1649-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CB-6-LINE-WW@4.5

Manual Integrations
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Sohil
 2/27/2018 12:22:32 PM

Quant Time: Feb 26 13:54:49 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 23 02:43:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	169017	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	710667	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	308358	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	471470	20.00	ng	0.00
75) Chrysene-d12	14.05	240	286559	20.00	ng	0.00
86) Perylene-d12	15.54	264	309587	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1257473	112.52	ng	0.01
7) Phenol-d6	6.50	99	1552446	113.53	ng	0.00
23) Nitrobenzene-d5	7.43	82	1038546	83.46	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	279772	107.19	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1334095	71.80	ng	0.00
78) Terphenyl-d14	12.99	244	983883	82.54	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.62	163	124969	5.052	ng	99
51) Acenaphthene	9.94	154	38293	2.088	ng	100
54) Dibenzofuran	10.12	168	51571	2.048	ng	99
57) Fluorene	10.46	166	66099	3.082	ng	97
70) Phenanthrene	11.42	178	883367	34.046	ng	99
71) Anthracene	11.47	178	226792	8.524	ng	99
72) Carbazole	11.63	167	109837	4.145	ng	99
74) Fluoranthene	12.62	202	1139020	43.685	ng	100
77) Pyrene	12.85	202	964240	43.158	ng	100
80) Benzo(a)anthracene	14.04	228	469683	25.261	ng	99
82) Chrysene	14.07	228	444322	24.612	ng	98
85) Indeno(1,2,3-cd)pyrene	17.06	276	230397	16.120	ng	97
87) Benzo(b)fluoranthene	15.11	252	606410m	29.792	ng	
88) Benzo(k)fluoranthene	15.13	252	158228m	8.255	ng	
89) Benzo(a)pyrene	15.48	252	393889	21.669	ng	# 92
90) Dibenzo(a,h)anthracene	17.06	278	56922	4.053	ng	93
91) Benzo(g,h,i)perylene	17.52	276	212241	15.461	ng	94

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

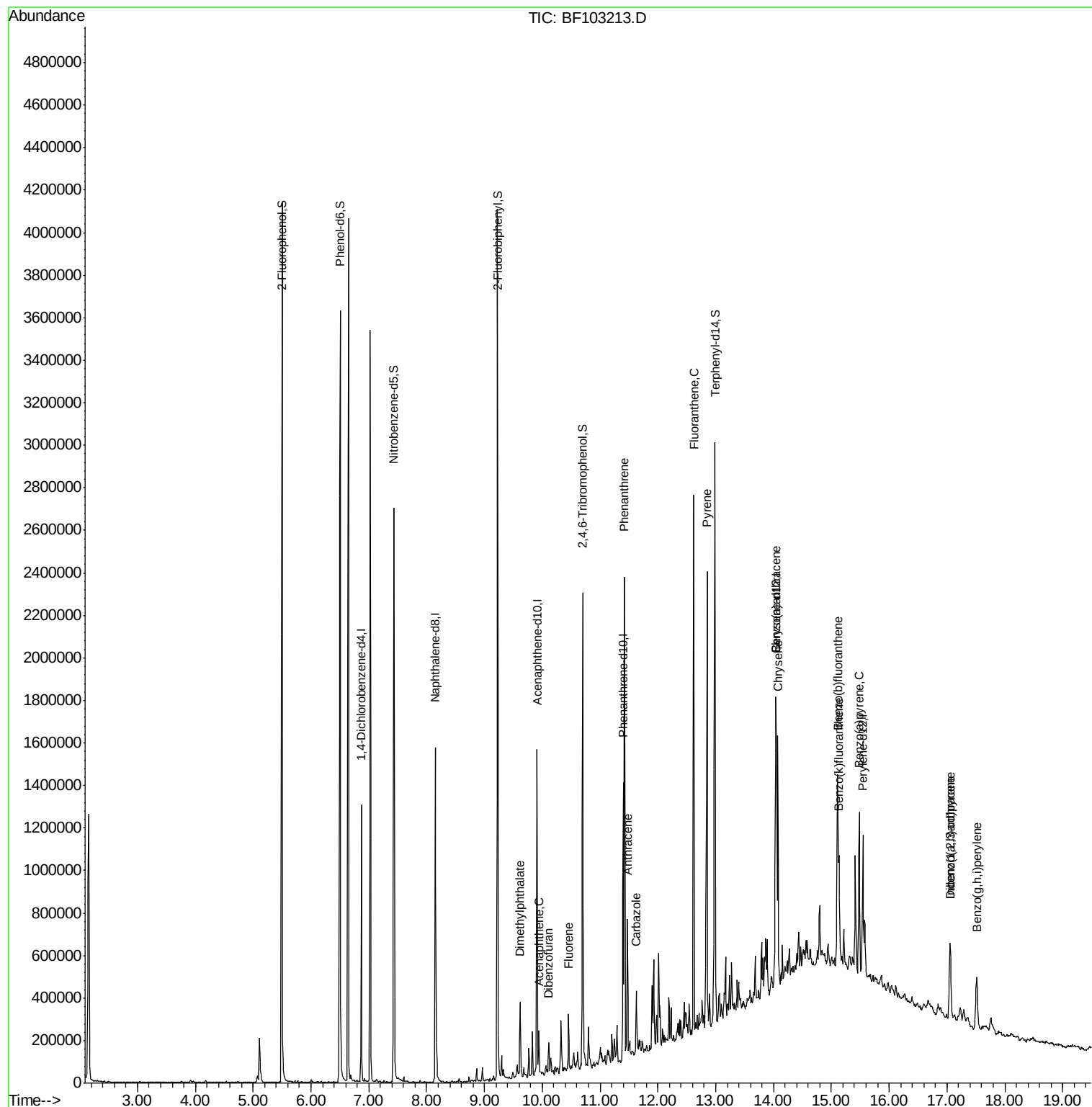
Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
Data File : BF103213.D
Acq On : 26 Feb 2018 12:47
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Sample : J1649-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

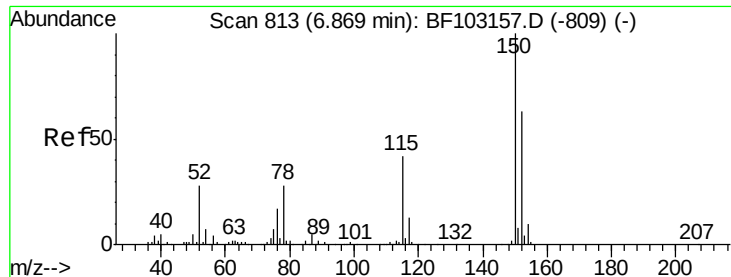
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#1

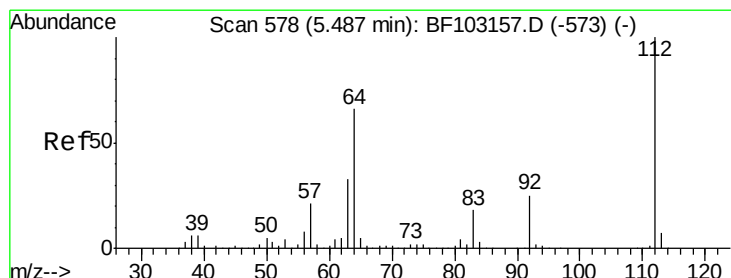
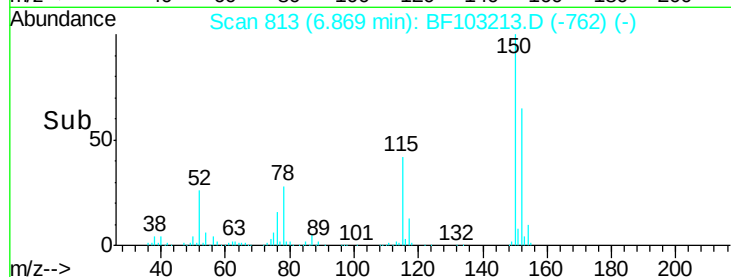
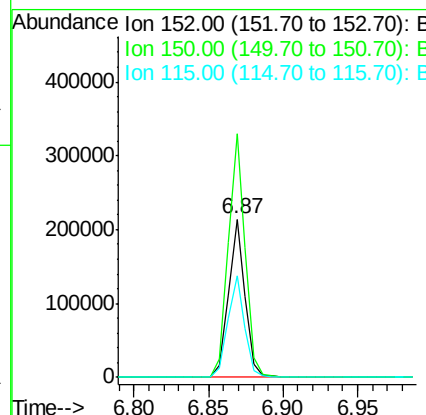
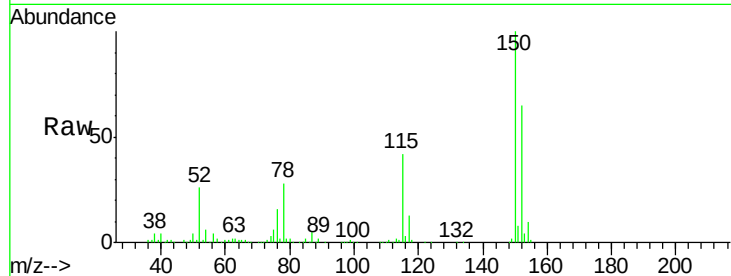
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF103213.D
Acq: 26 Feb 2018 12:47

Instrument :
BNA_F
ClientSampleId :
CB-6-LINE-WW@4.5

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.2	124.6	186.8
115	64.1	50.1	75.1

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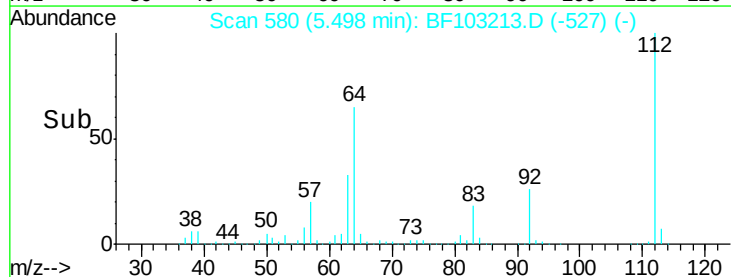
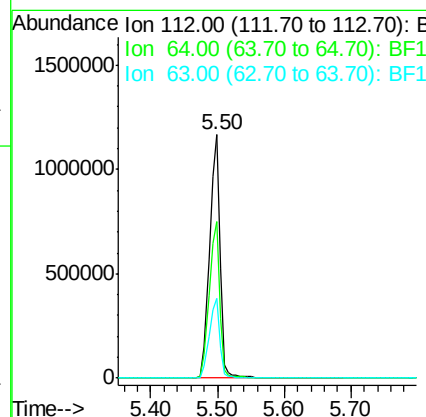
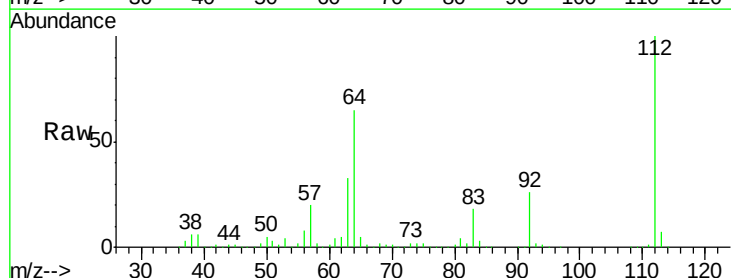
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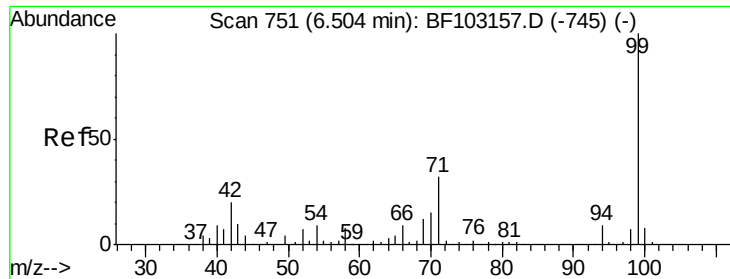


#5

2-Fluorophenol
Concen: 112.523 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF103213.D
Acq: 26 Feb 2018 12:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.5	47.9	71.9
63	32.8	23.7	35.5





#7

Phenol-d6

Concen: 113.528 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: BF103213.D

Acq: 26 Feb 2018 12:47

Instrument :

BNA_F

ClientSampleId :

CB-6-LINE-WW@4.5

Tot Ion: 99 Resp: 1552446

Ion Ratio Lower Upper

99 100

42 19.4 14.5 21.7

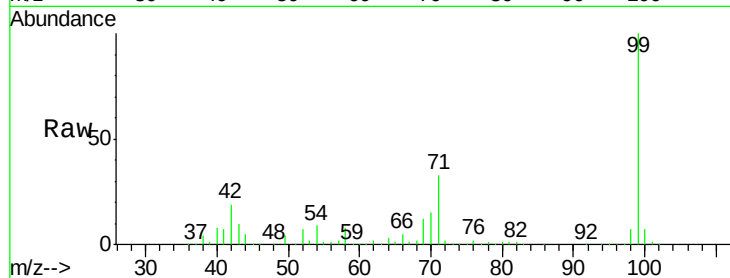
71 33.2 25.4 38.0

Manual Integrations

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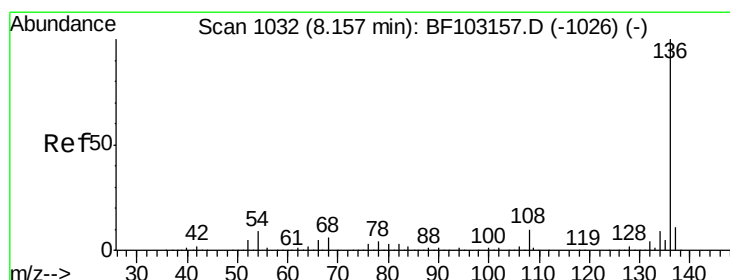
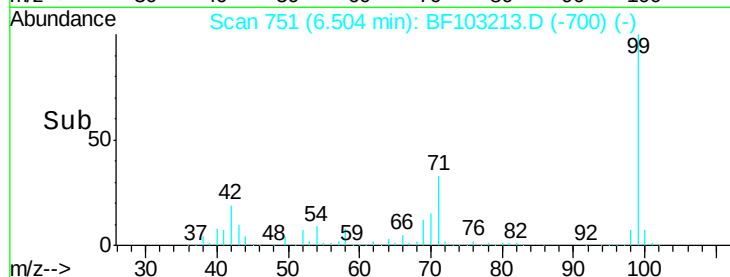
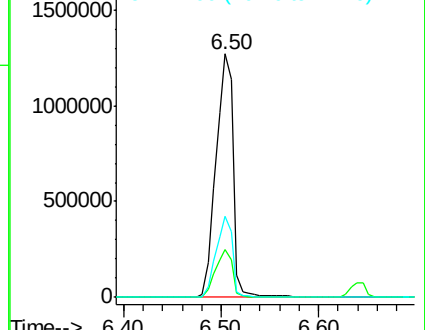
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF103213.D

Acq: 26 Feb 2018 12:47

Tgt Ion: 136 Resp: 710667

Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 9.3 6.6 9.8

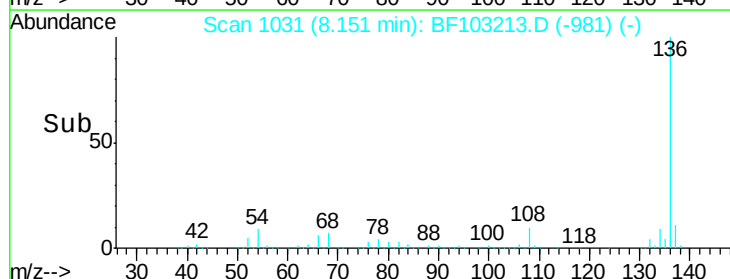
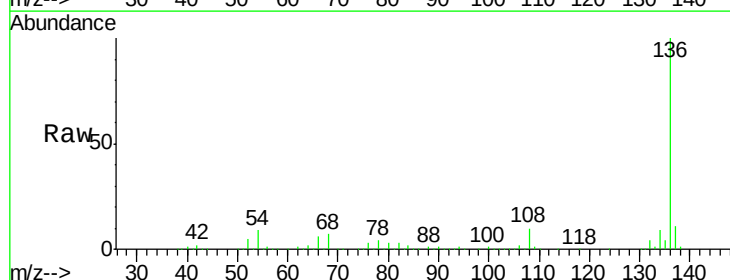
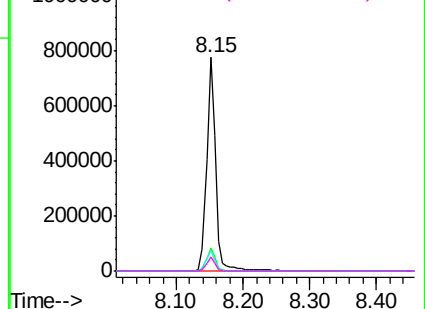
68 6.7 5.0 7.4

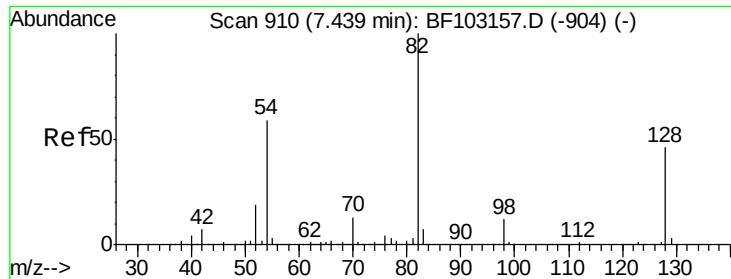
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





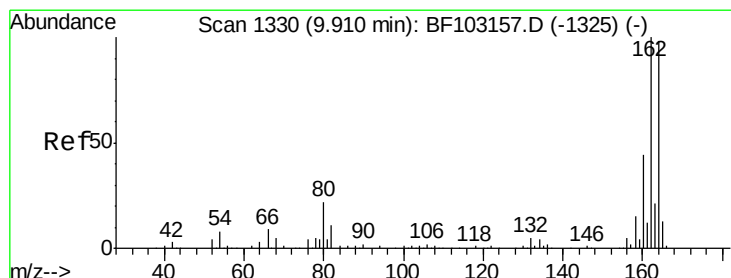
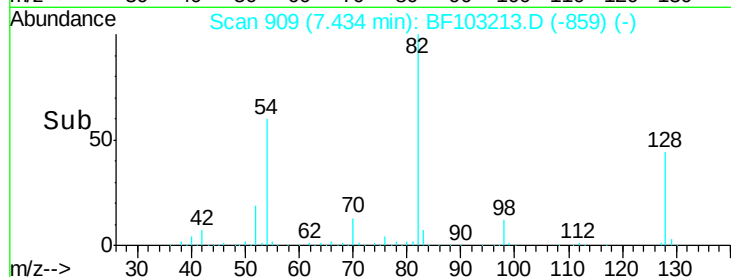
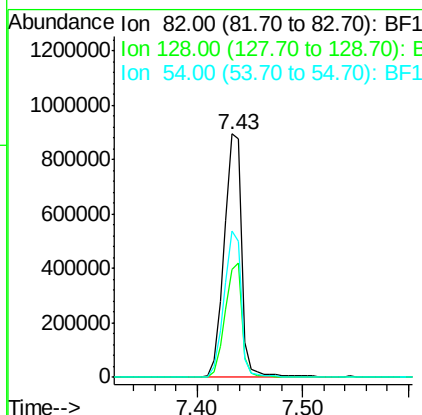
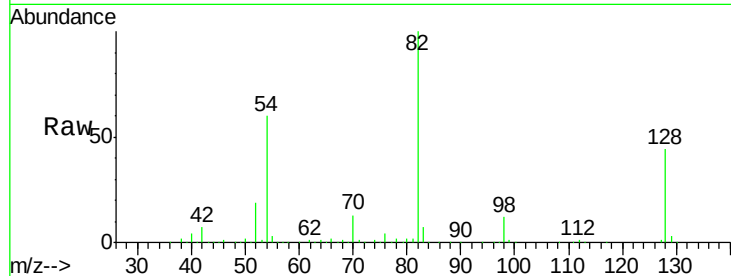
#23
 Nitrobenzene-d5
 Concen: 83.456 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.01 min
 Lab File: BF103213.D
 Acq: 26 Feb 2018 12:47

Instrument :
 BNA_F
 ClientSampleId :
 CB-6-LINE-WW@4.5

Tot Ion: 82 Resp: 1038546
 Ion Ratio Lower Upper
 82 100
 128 44.3 36.1 54.1
 54 60.3 41.4 62.2

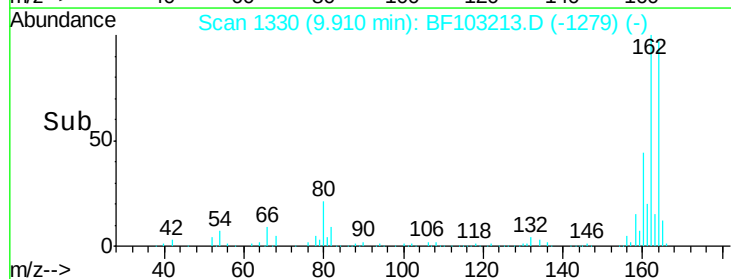
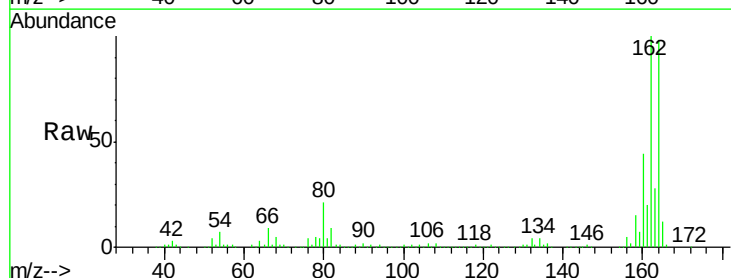
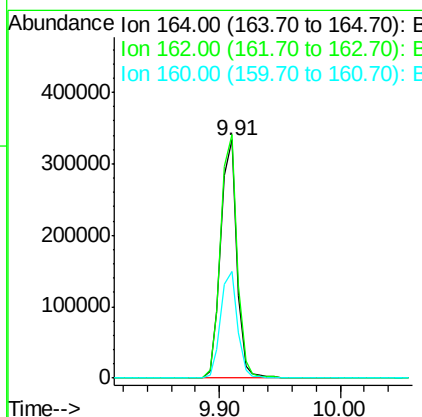
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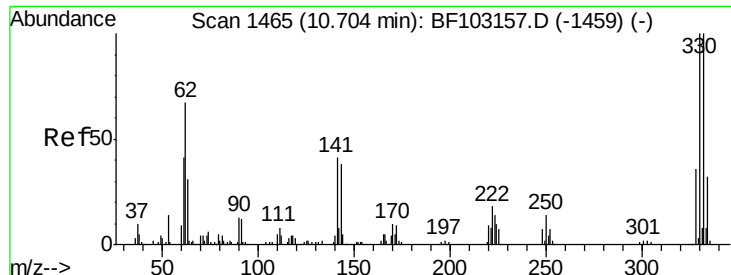
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: BF103213.D
 Acq: 26 Feb 2018 12:47

Tgt Ion: 164 Resp: 308358
 Ion Ratio Lower Upper
 164 100
 162 102.2 86.1 129.1
 160 45.0 38.3 57.5





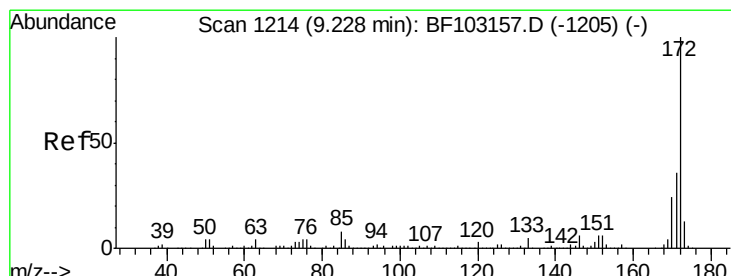
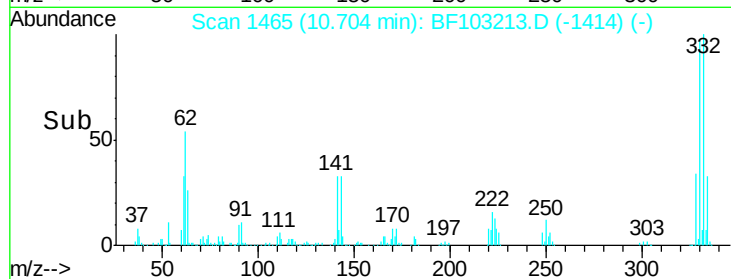
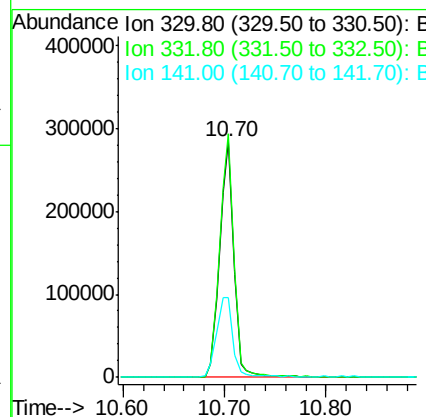
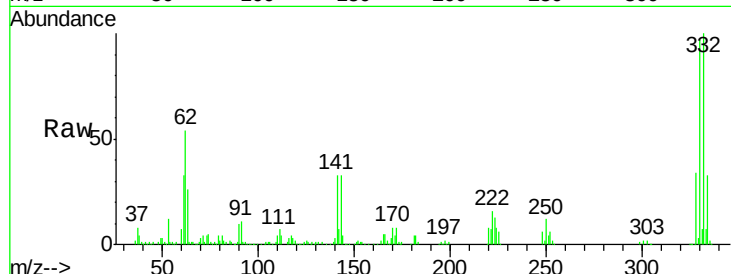
#41
 2,4,6-Tribromophenol
 Concen: 107.189 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: BF103213.D
 Acq: 26 Feb 2018 12:47

Instrument :
 BNA_F
 ClientSampleId :
 CB-6-LINE-WW@4.5

Tot Ion	Ratio	Lower	Upper
330	100		
332	103.1	77.0	115.6
141	39.1	29.9	44.9

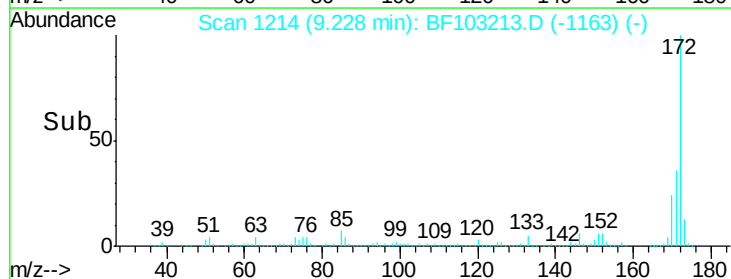
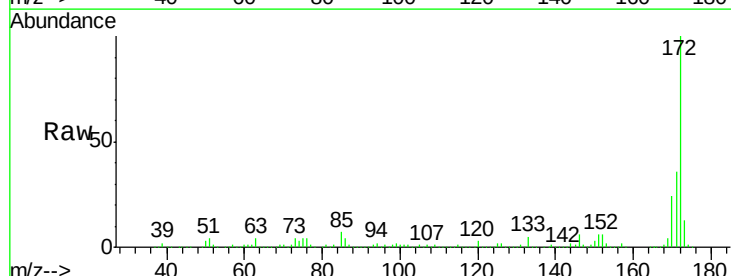
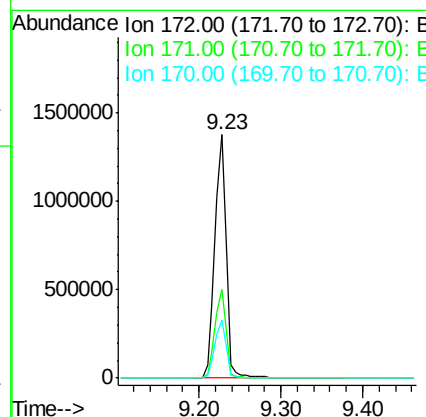
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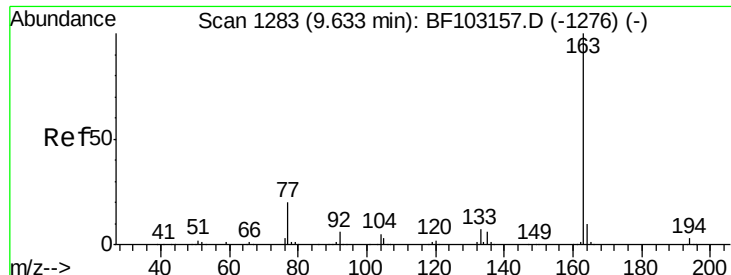
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#44
 2-Fluorobiphenyl
 Concen: 71.798 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. 0.00 min
 Lab File: BF103213.D
 Acq: 26 Feb 2018 12:47

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	24.0	19.6	29.4





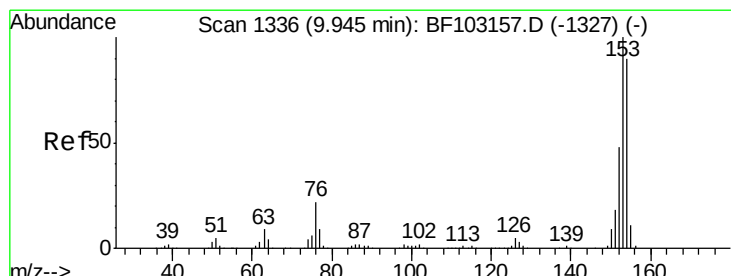
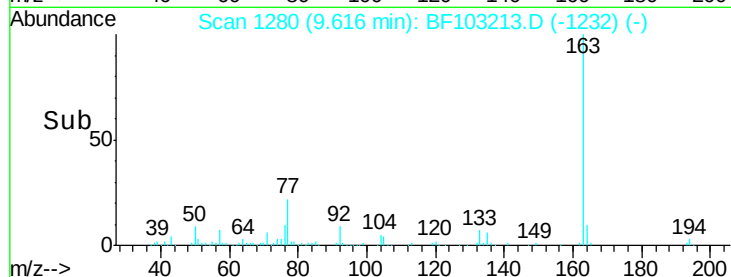
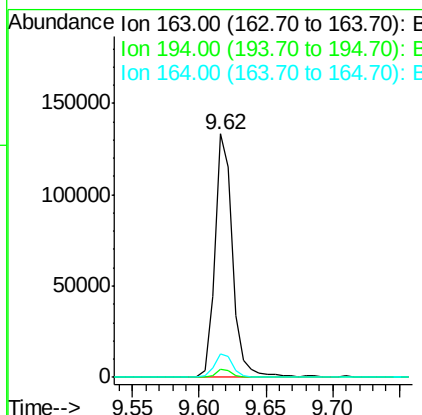
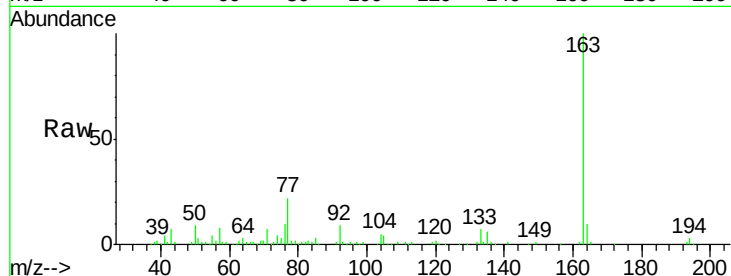
#49
Dimethylphthalate
Concen: 5.052 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.02 min
Lab File: BF103213.D
Acq: 26 Feb 2018 12:47

Instrument :
BNA_F
ClientSampleId :
CB-6-LINE-WW@4.5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
163	100				
194	3.3		2.7	4.1	
164	9.8		8.2	12.2	

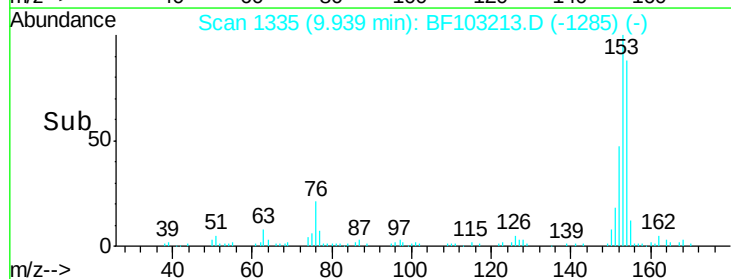
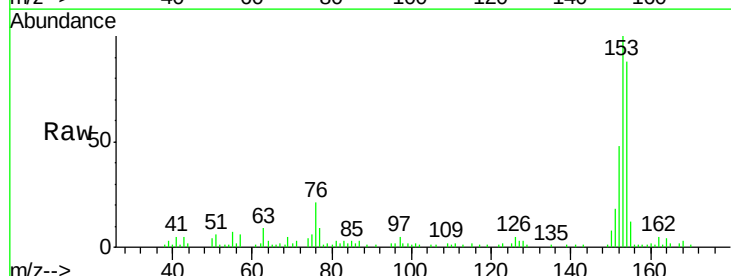
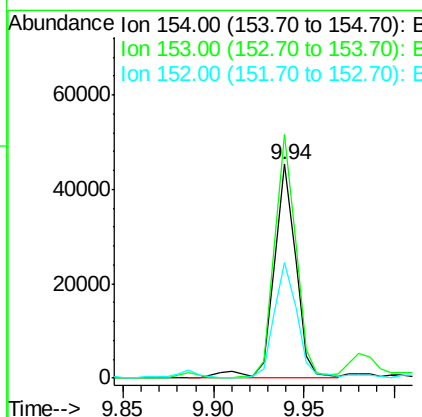
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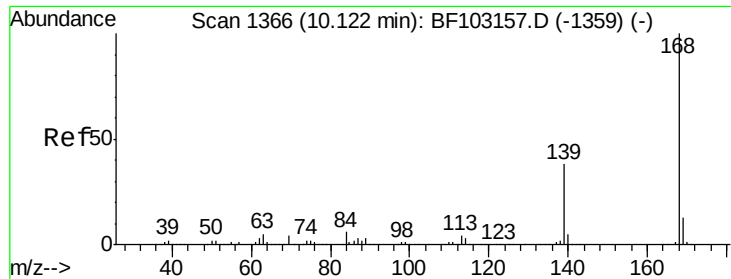
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#51
Acenaphthene
Concen: 2.088 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.01 min
Lab File: BF103213.D
Acq: 26 Feb 2018 12:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
154	100				
153	113.9		91.2	136.8	
152	54.3		43.8	65.8	





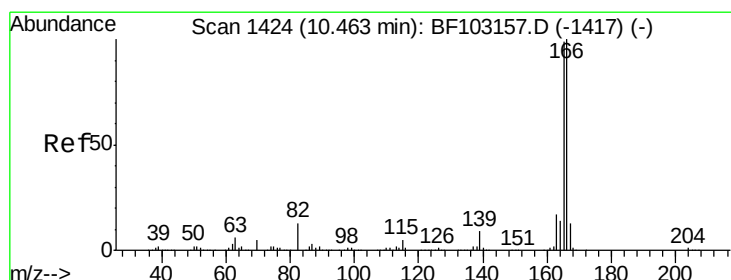
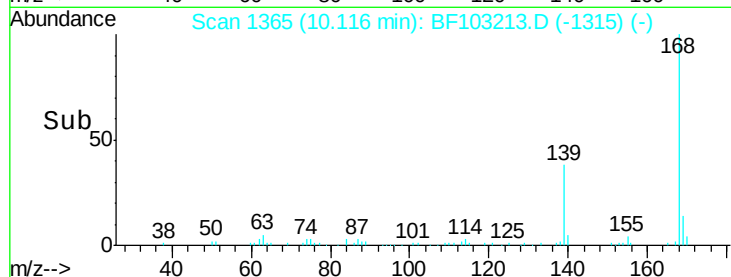
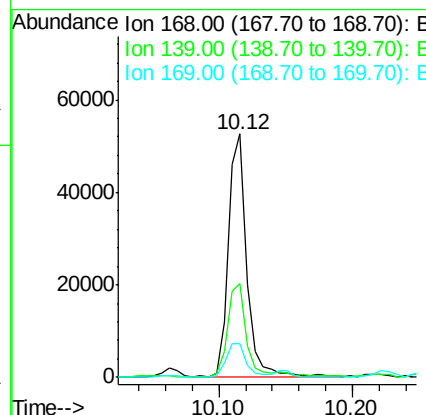
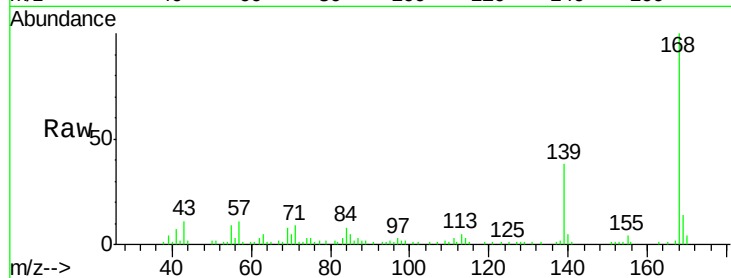
#54
Dibenzenofuran
Concen: 2.048 ng
RT: 10.12 min Scan# 1365
Delta R.T. -0.01 min
Lab File: BF103213.D
Acq: 26 Feb 2018 12:47

Instrument :
BNA_F
ClientSampleId :
CB-6-LINE-WW@4.5

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.4	30.1	45.1
169	13.7	10.9	16.3

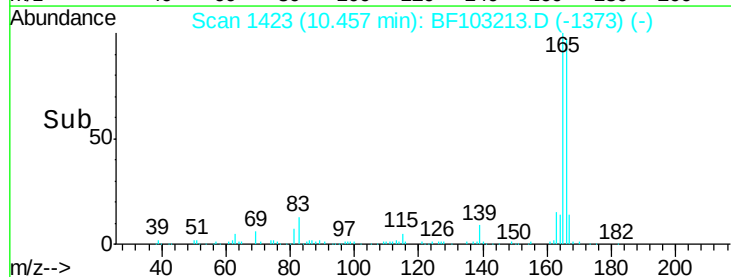
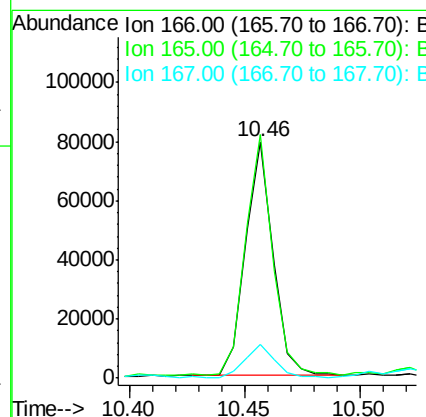
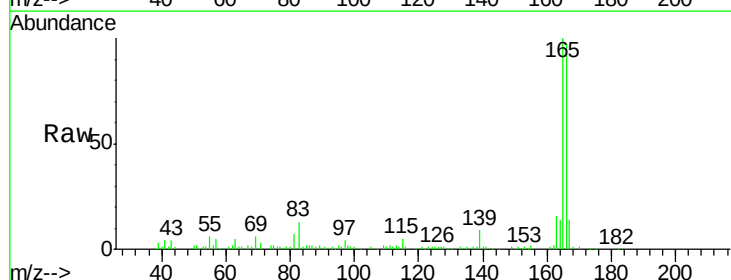
Manual Integrations
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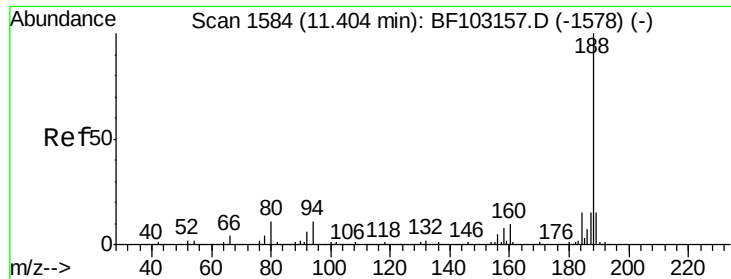
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#57
Fluorene
Concen: 3.082 ng
RT: 10.46 min Scan# 1423
Delta R.T. -0.01 min
Lab File: BF103213.D
Acq: 26 Feb 2018 12:47

Tgt Ion	Ratio	Lower	Upper
166	100		
165	103.2	79.8	119.8
167	14.3	10.6	16.0





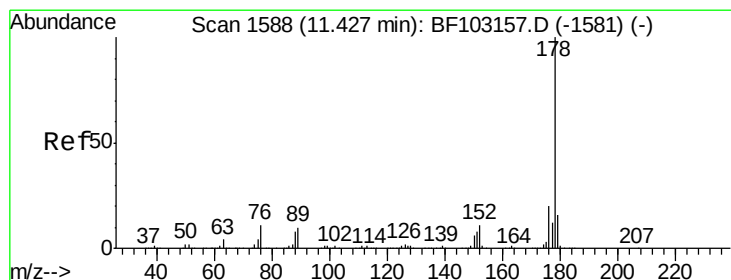
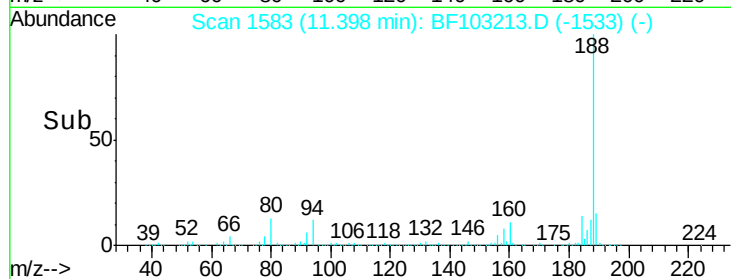
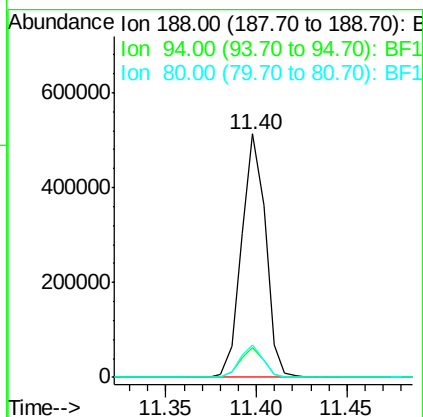
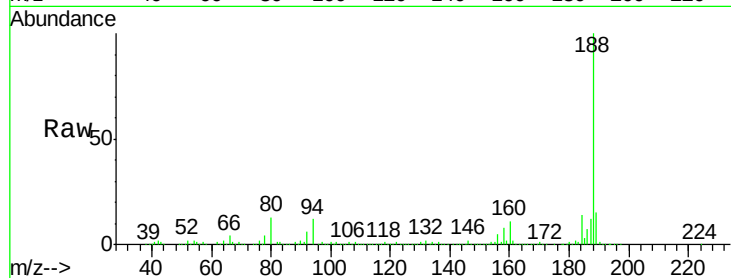
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF103213.D
Acq: 26 Feb 2018 12:47

Instrument :
BNA_F
ClientSampleId :
CB-6-LINE-WW@4.5

Tot Ion	Ratio	Resp	Lower	Upper
188	100	471470		
94	12.4		8.5	12.7
80	13.1		9.2	13.8

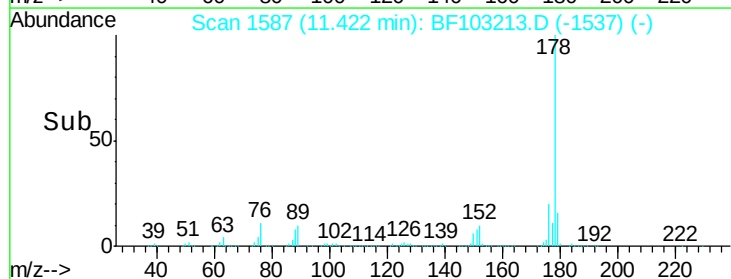
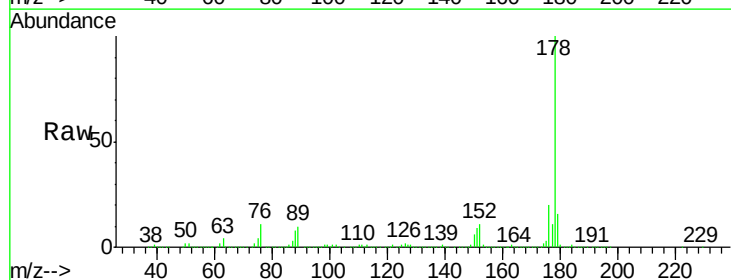
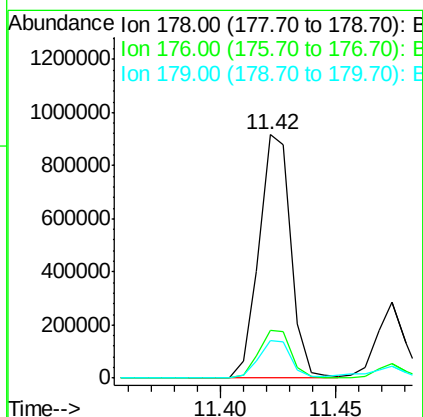
Manual Integrations
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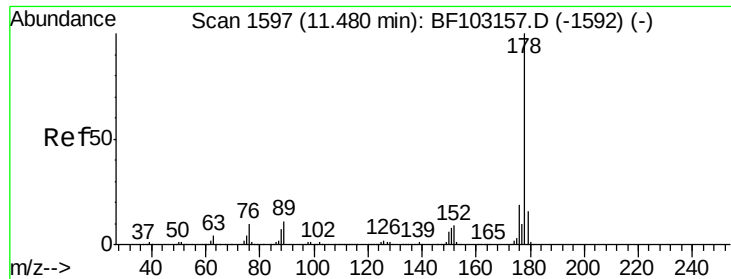
Sohil
2/27/2018 12:22:32 PM



#70
Phenanthrene
Concen: 34.046 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.01 min
Lab File: BF103213.D
Acq: 26 Feb 2018 12:47

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	883367		
176	19.9		15.8	23.8
179	15.6		13.0	19.6





#71

Anthracene

Concen: 8.524 ng

RT: 11.47 min Scan# 1596

Delta R.T. -0.01 min

Lab File: BF103213.D

Acq: 26 Feb 2018 12:47

Instrument :

BNA_F

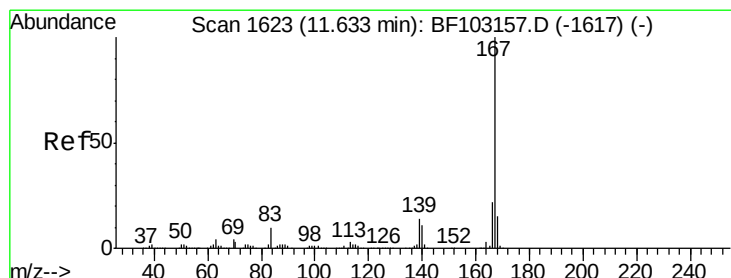
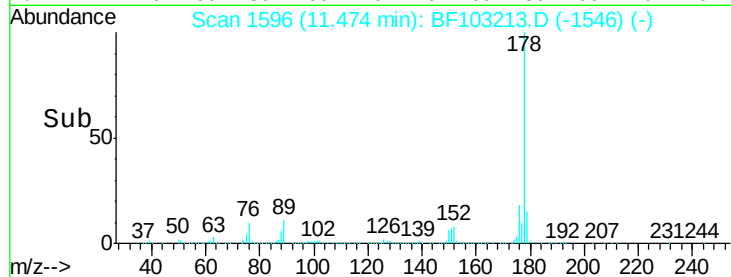
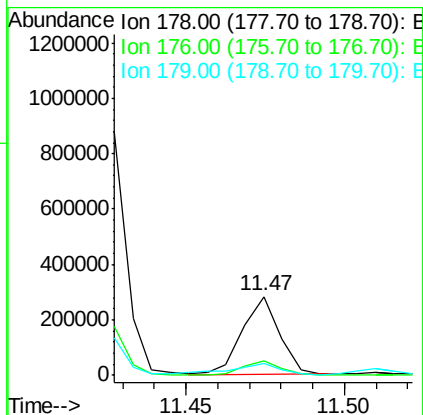
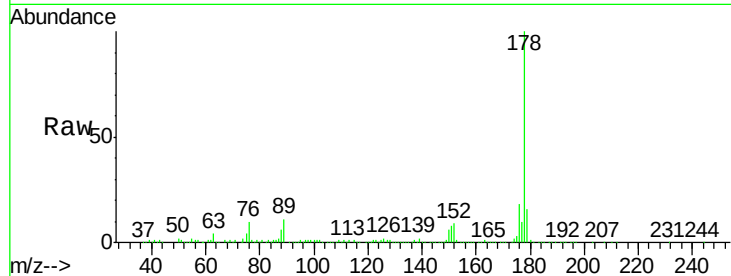
ClientSampleId :

CB-6-LINE-WW@4.5

Tot Ion:178	Resp:	226792
Ion Ratio	Lower	Upper
178	100	
176	18.5	15.4 23.2
179	15.6	12.6 19.0

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#72

Carbazole

Concen: 4.145 ng

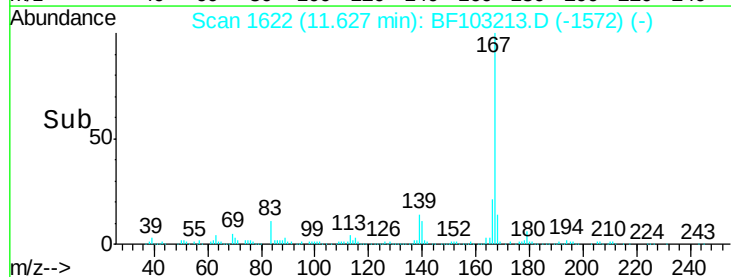
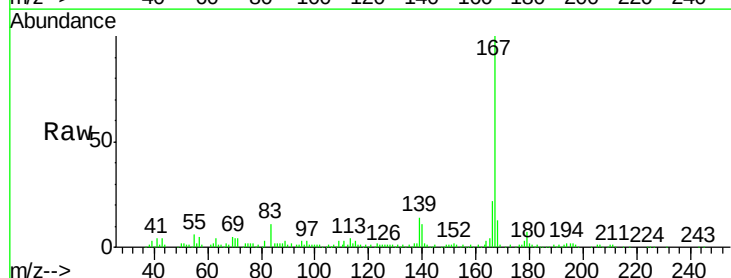
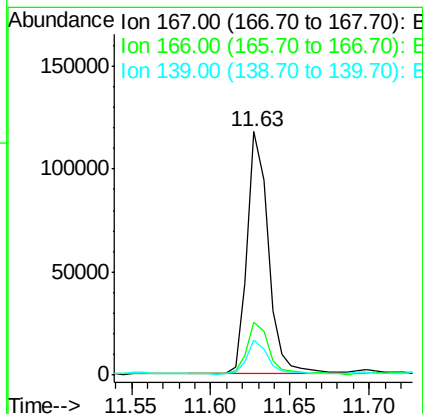
RT: 11.63 min Scan# 1622

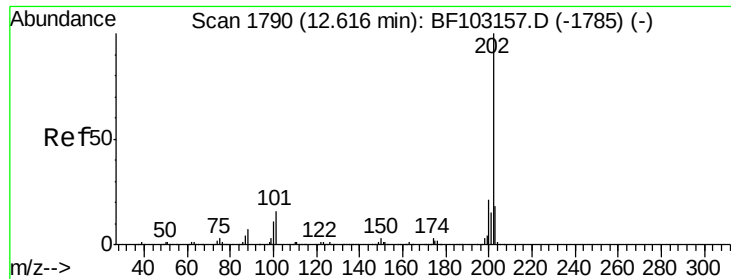
Delta R.T. -0.01 min

Lab File: BF103213.D

Acq: 26 Feb 2018 12:47

Tgt Ion:167	Resp:	109837
Ion Ratio	Lower	Upper
167	100	
166	21.6	17.6 26.4
139	14.2	10.9 16.3





#74

Fluoranthene

Concen: 43.685 ng

RT: 12.62 min Scan# 1791

Delta R.T. 0.01 min

Lab File: BF103213.D

Acq: 26 Feb 2018 12:47

Instrument :

BNA_F

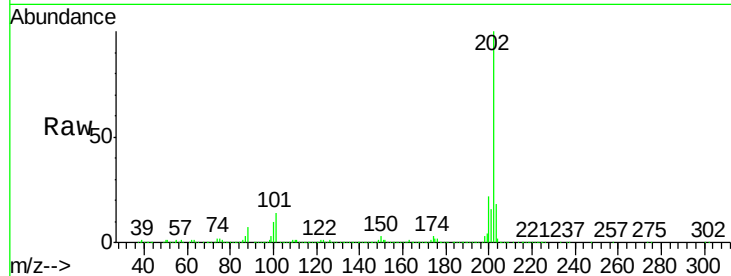
ClientSampleId :

CB-6-LINE-WW@4.5

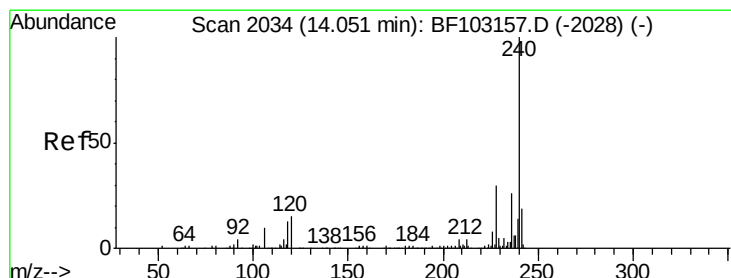
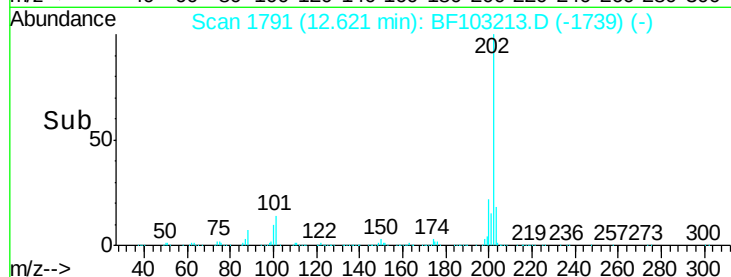
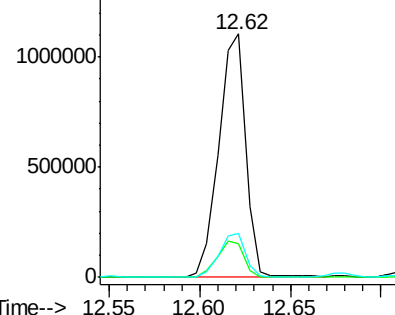
Tot Ion:	202	Resp:	1139020
Ion Ratio	Lower	Upper	
202	100		
101	14.0	0.0	34.1
203	17.8	0.0	38.1

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Abundance Ion 202.00 (201.70 to 202.70): E
1500000
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: 14.05 min Scan# 2034

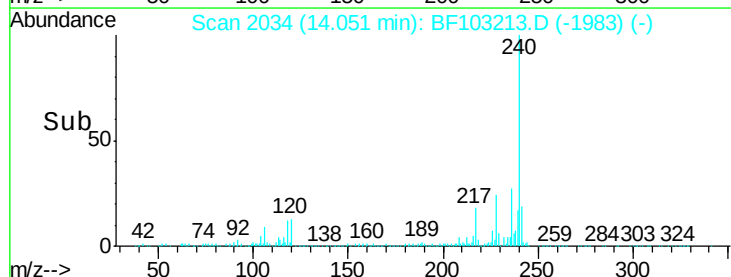
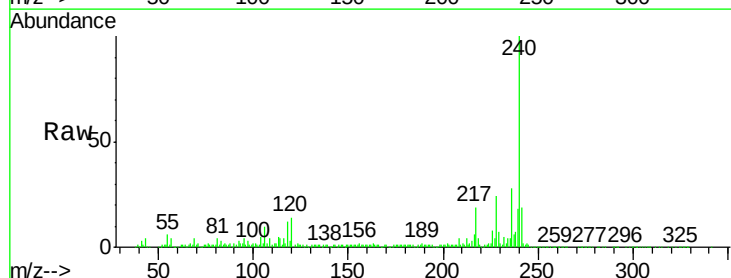
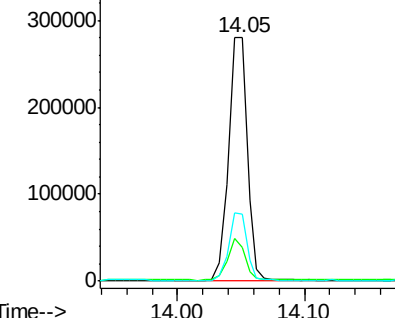
Delta R.T. -0.00 min

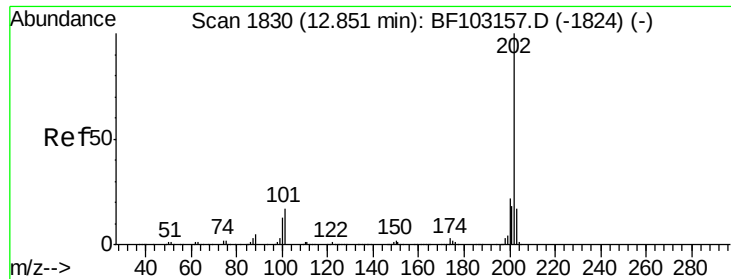
Lab File: BF103213.D

Acq: 26 Feb 2018 12:47

Tgt Ion:	240	Resp:	286559
Ion Ratio	Lower	Upper	
240	100		
120	13.7	9.5	14.3
236	27.5	20.7	31.1

Abundance Ion 240.00 (239.70 to 240.70): E
300000
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 43.158 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.00 min

Lab File: BF103213.D

Acq: 26 Feb 2018 12:47

Instrument :

BNA_F

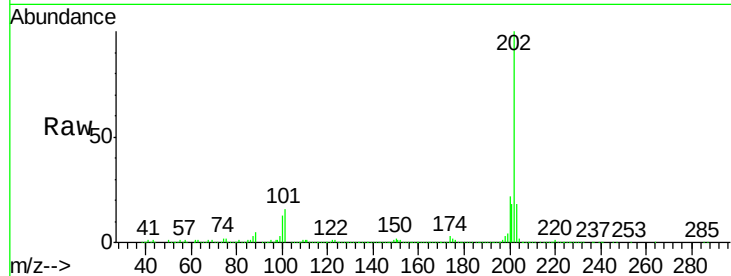
ClientSampleId :

CB-6-LINE-WW@4.5

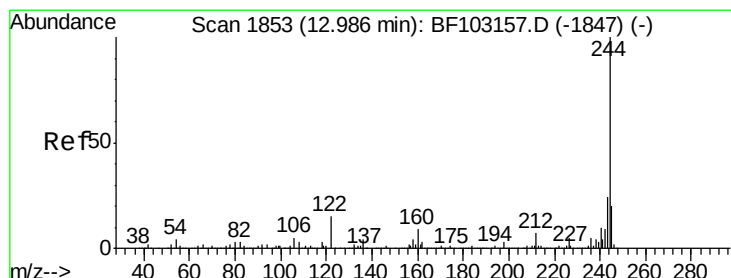
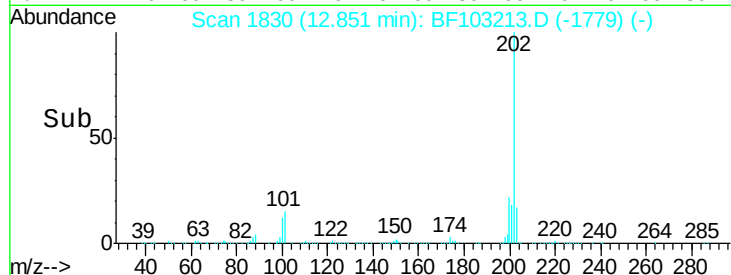
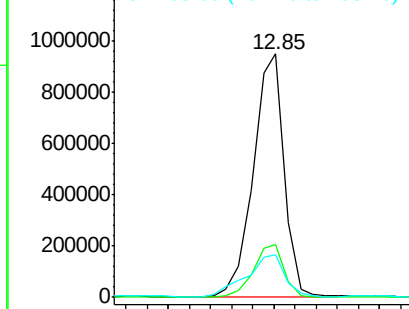
Tot Ion:	202	Resp:	964240
Ion Ratio		Lower	Upper
202	100		
200	21.7	17.4	26.2
203	17.7	14.3	21.5

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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: 82.535 ng

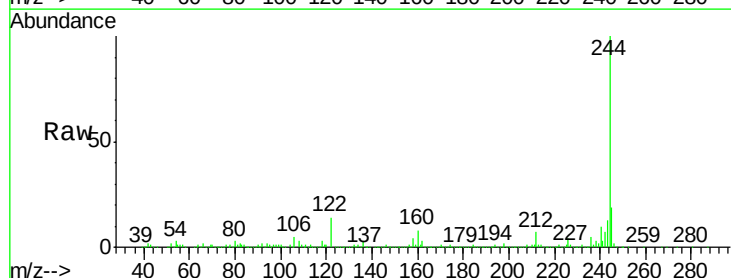
RT: 12.99 min Scan# 1853

Delta R.T. -0.00 min

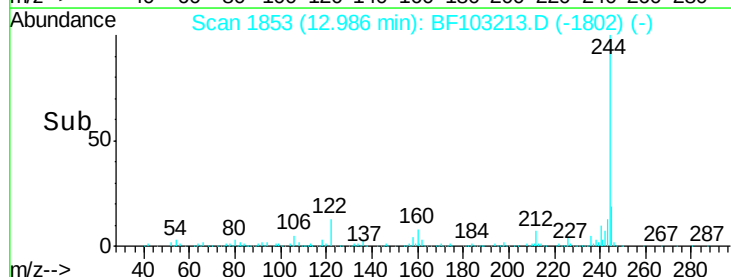
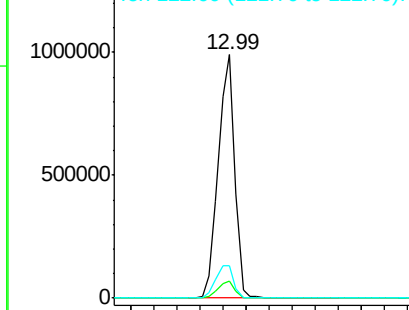
Lab File: BF103213.D

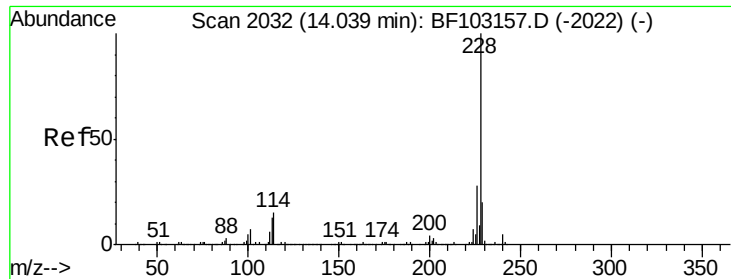
Acq: 26 Feb 2018 12:47

Tgt Ion:	244	Resp:	983883
Ion Ratio		Lower	Upper
244	100		
212	7.0	5.4	8.0
122	13.6	11.0	16.4



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





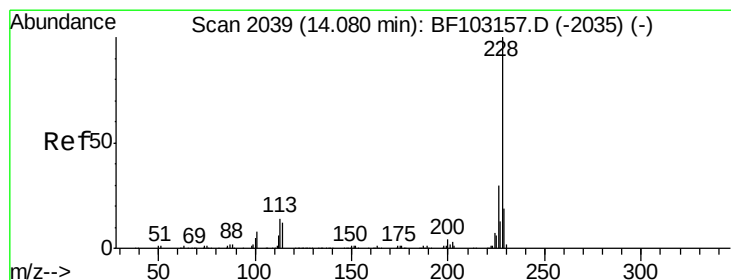
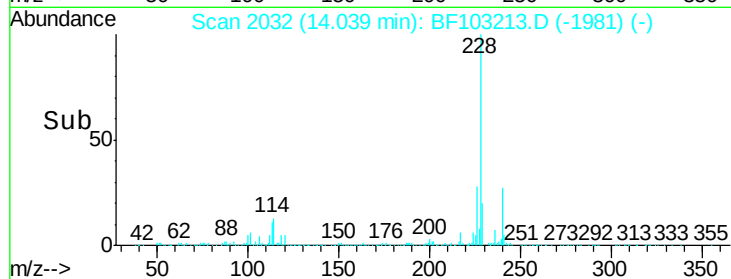
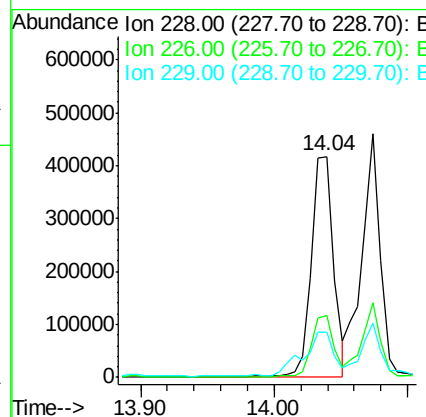
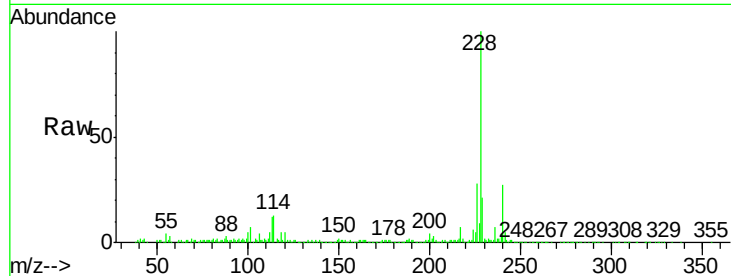
#80
Benzo(a)anthracene
Concen: 25.261 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.00 min
Lab File: BF103213.D
Acq: 26 Feb 2018 12:47

Instrument :
BNA_F
ClientSampleId :
CB-6-LINE-WW@4.5

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.6	33.8
229	20.6	15.8	23.6

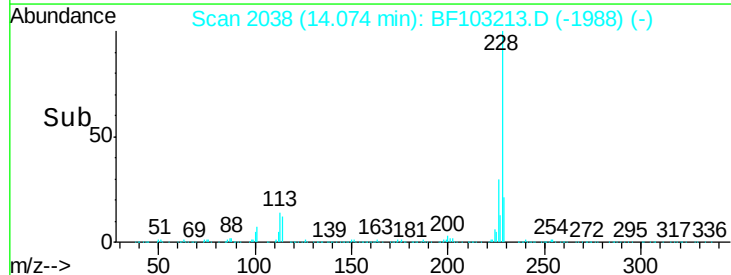
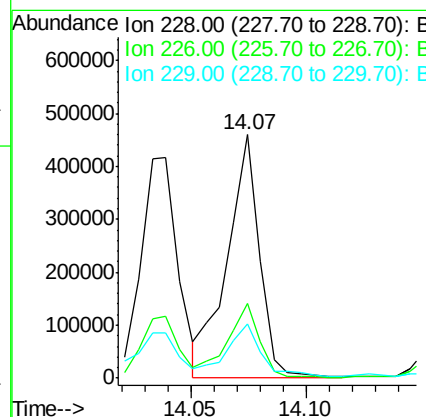
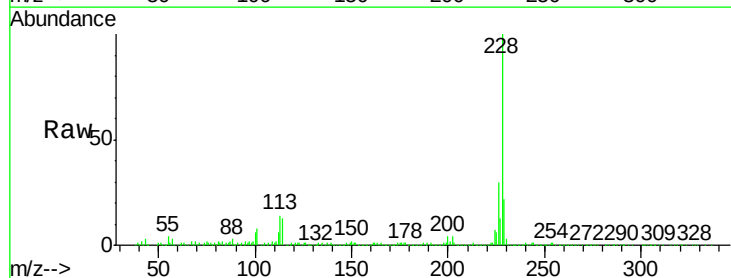
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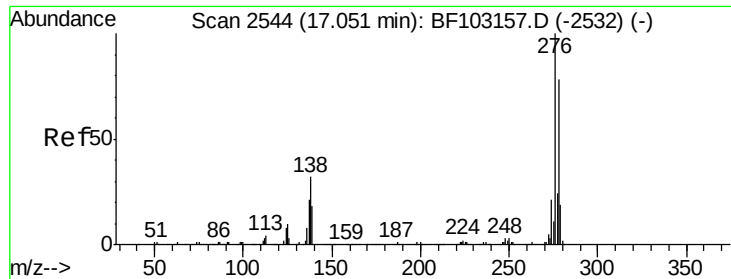
Sohil
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#82
Chrysene
Concen: 24.612 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.01 min
Lab File: BF103213.D
Acq: 26 Feb 2018 12:47

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	22.1	16.2	24.4





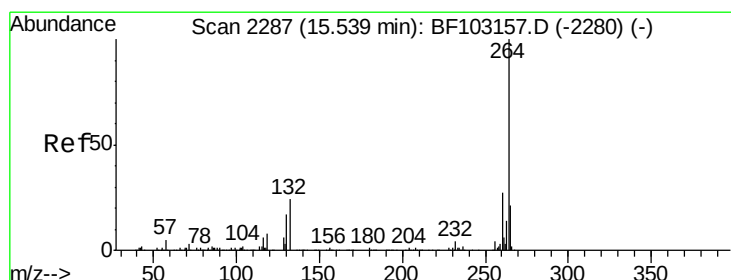
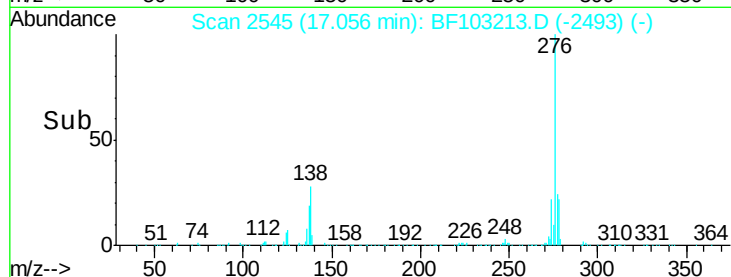
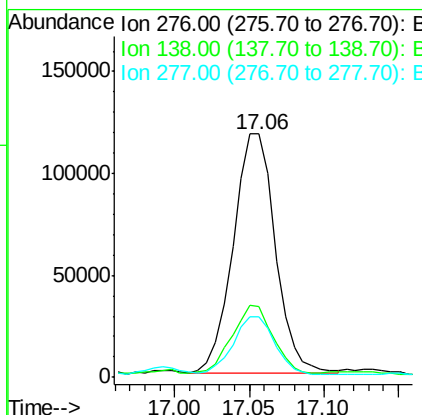
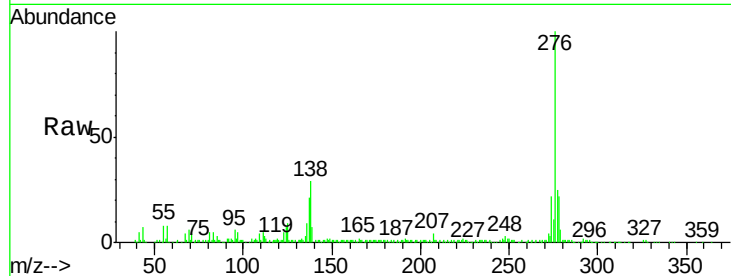
#85
Indeno(1,2,3-cd)pyrene
Concen: 16.120 ng
RT: 17.06 min Scan# 2545
Delta R.T. 0.01 min
Lab File: BF103213.D
Acq: 26 Feb 2018 12:47

Instrument :
BNA_F
ClientSampleId :
CB-6-LINE-WW@4.5

Tot Ion	Ratio	Lower	Upper
276	100		
138	29.1	25.0	37.6
277	23.9	20.1	30.1

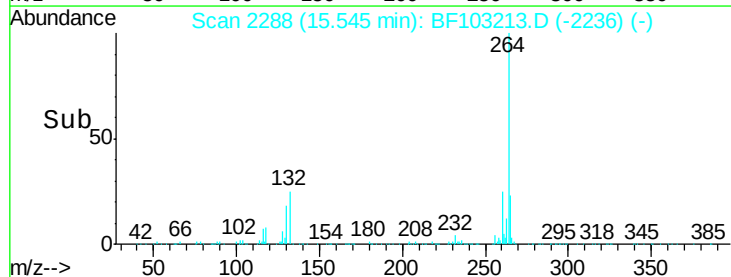
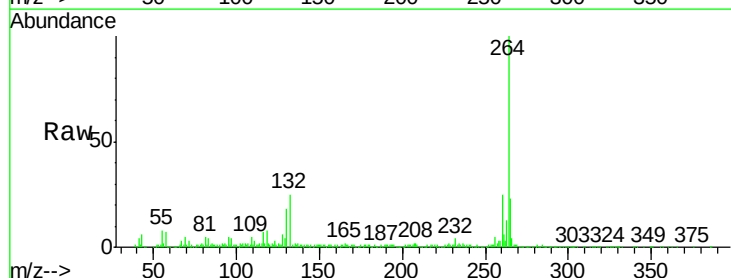
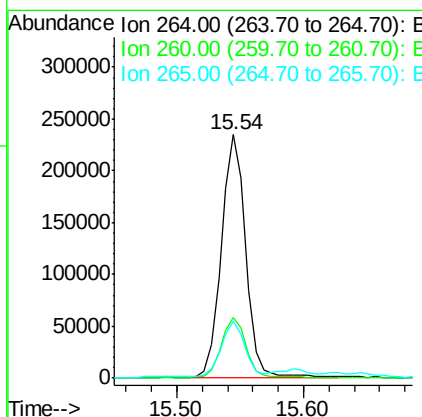
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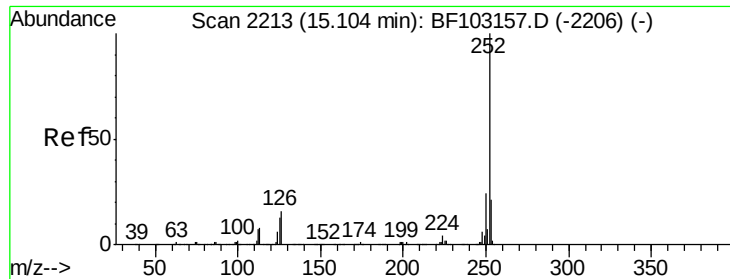
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2288
Delta R.T. 0.01 min
Lab File: BF103213.D
Acq: 26 Feb 2018 12:47

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.2	28.8
265	23.2	17.5	26.3





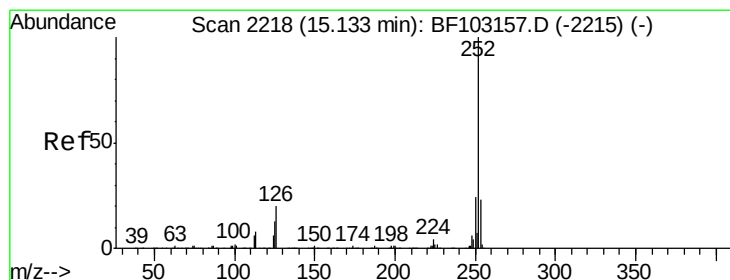
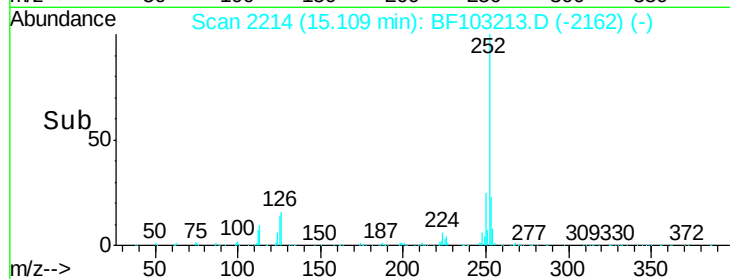
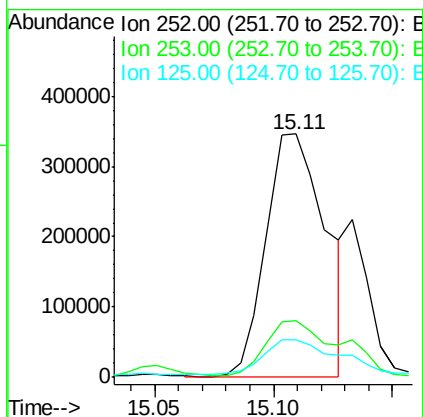
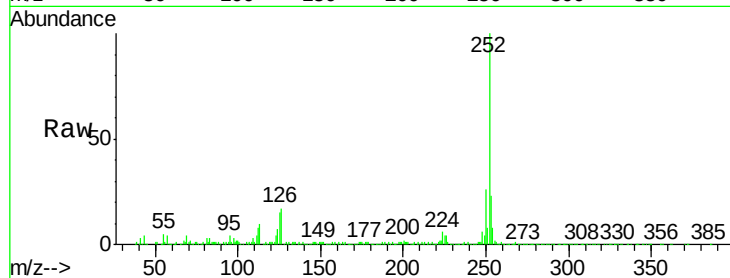
#87
Benzo(b)fluoranthene
Concen: 29.792 ng m
RT: 15.11 min Scan# 2214
Delta R.T. 0.01 min
Lab File: BF103213.D
Acq: 26 Feb 2018 12:47

Instrument :
BNA_F
ClientSampleId :
CB-6-LINE-WW@4.5

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.0	25.6
125	15.4	9.0	13.6

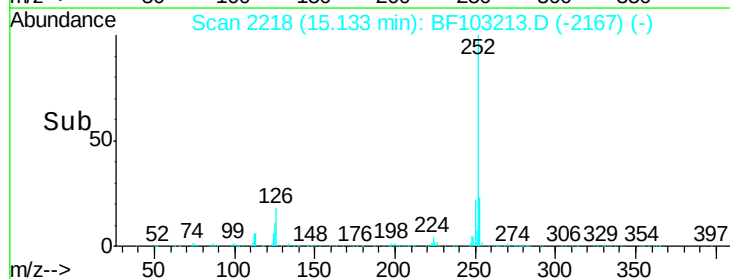
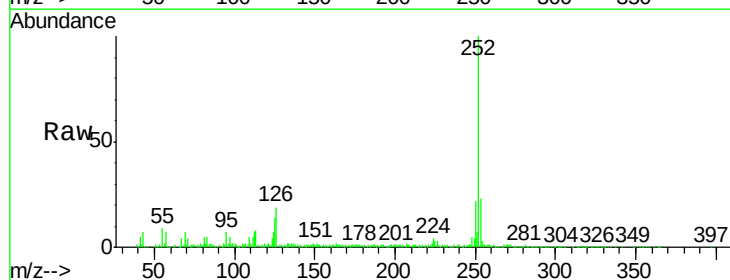
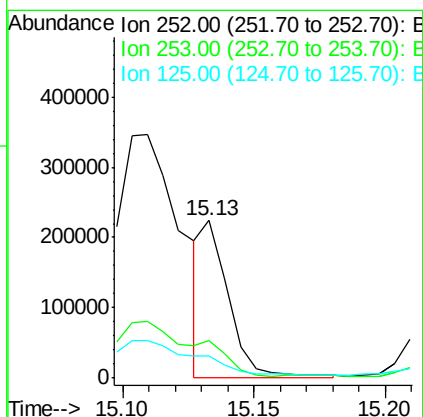
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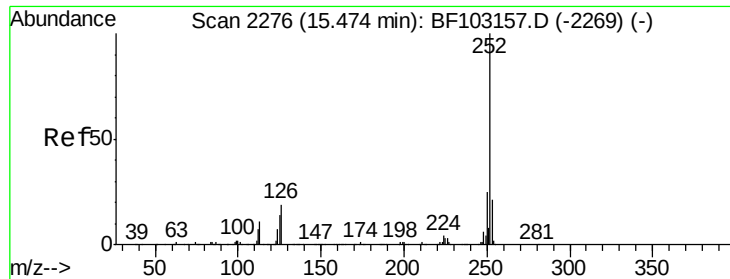
Sohil
2/27/2018 12:22:32 PM



#88
Benzo(k)fluoranthene
Concen: 8.255 ng m
RT: 15.13 min Scan# 2218
Delta R.T. -0.00 min
Lab File: BF103213.D
Acq: 26 Feb 2018 12:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.9	26.9
125	13.7	10.2	15.2





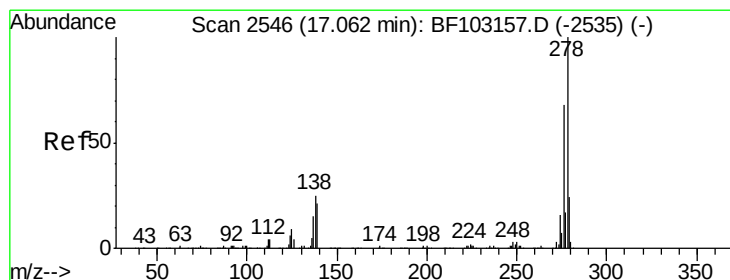
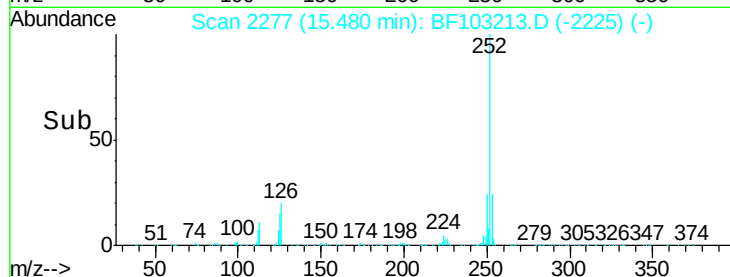
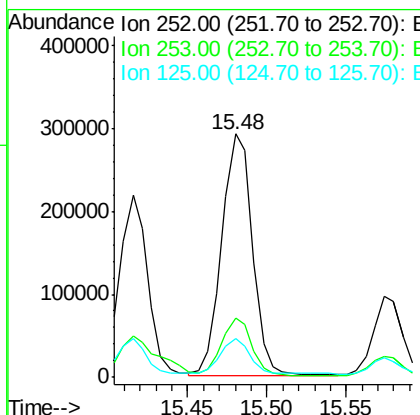
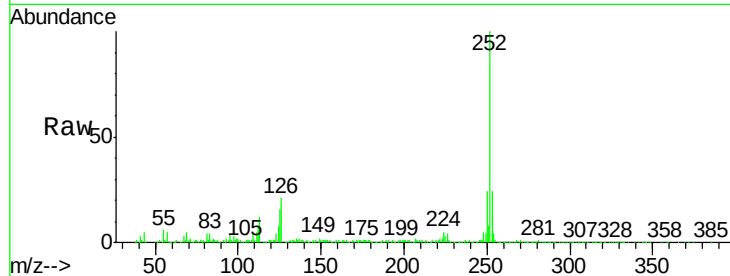
#89
Benzo(a)pyrene
Concen: 21.669 ng
RT: 15.48 min Scan# 2277
Delta R.T. 0.01 min
Lab File: BF103213.D
Acq: 26 Feb 2018 12:47

Instrument :
BNA_F
ClientSampleId :
CB-6-LINE-WW@4.5

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.1	25.7
125	15.9	9.8	14.6

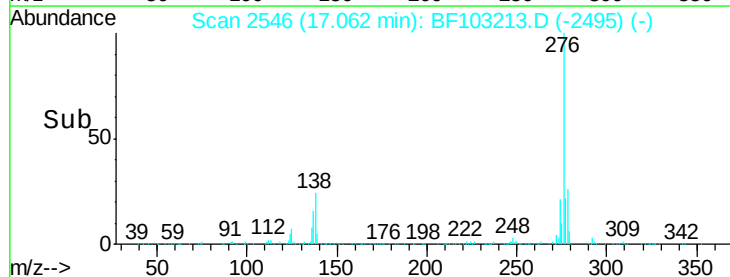
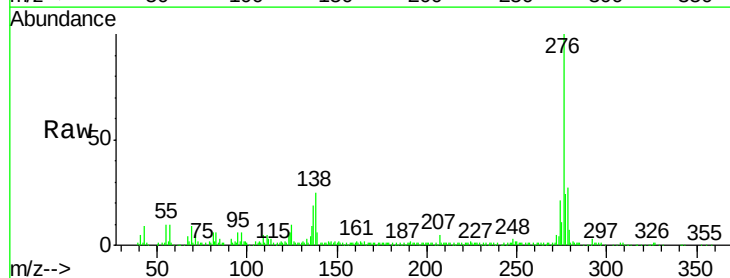
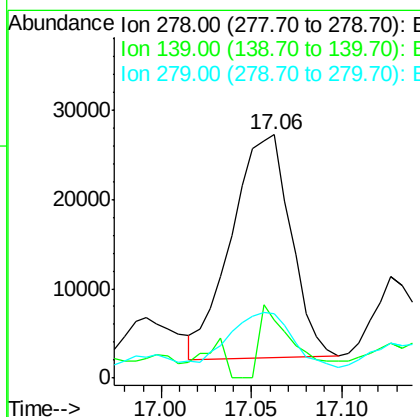
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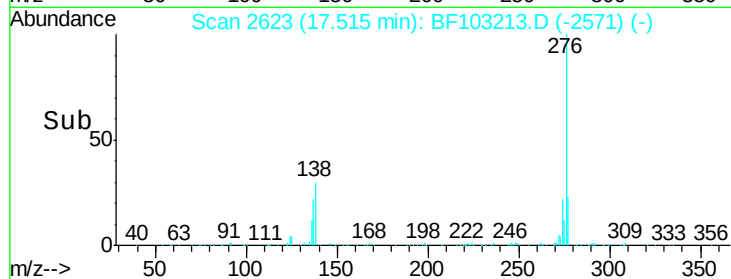
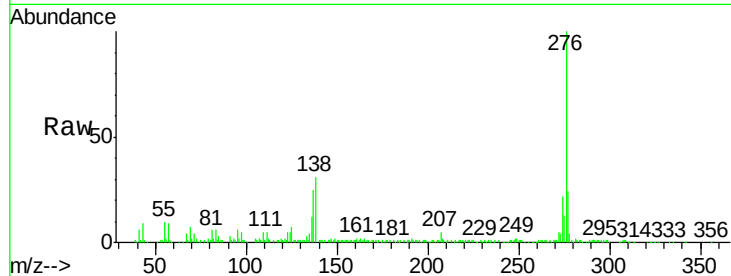
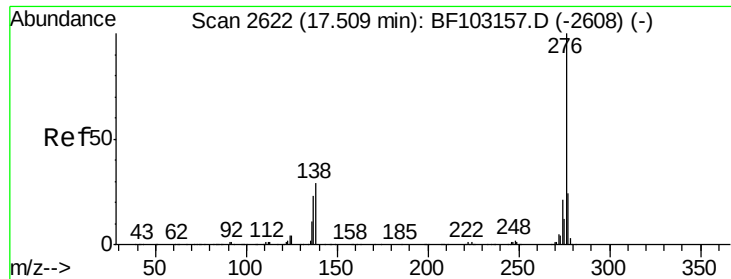
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 4.053 ng
RT: 17.06 min Scan# 2546
Delta R.T. -0.00 min
Lab File: BF103213.D
Acq: 26 Feb 2018 12:47

Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.8	15.9	23.9
279	26.6	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 15.461 ng
 RT: 17.52 min Scan# 2623
 Delta R.T. 0.01 min
 Lab File: BF103213.D
 Acq: 26 Feb 2018 12:47

Instrument :
 BNA_F
 ClientSampleId :
 CB-6-LINE-WW@4.5

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.8	17.9	26.9
138	31.4	21.8	32.8

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