

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
 Data File : BF103223.D
 Acq On : 26 Feb 2018 17:59
 Operator : SJ/JU
 Sample : J1691-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B1

Manual Integrations
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Sohil
 2/27/2018 12:22:48 PM

Quant Time: Feb 27 00:44:52 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	158835	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	650515	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	271888	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	423054	20.00	ng	0.00
75) Chrysene-d12	14.04	240	267762	20.00	ng	0.00
86) Perylene-d12	15.54	264	305001	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	1046136	99.61	ng	0.00
7) Phenol-d6	6.50	99	1248446	97.15	ng	0.00
23) Nitrobenzene-d5	7.43	82	814370	71.49	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	224037	97.35	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1197546	73.44	ng	0.00
78) Terphenyl-d14	12.98	244	827113	74.26	ng	0.00
Target Compounds						
10) Phenol	6.52	94	31134	2.087	ng	96
49) Dimethylphthalate	9.62	163	81503	3.737	ng	99
70) Phenanthrene	11.42	178	234965	10.092	ng	98
71) Anthracene	11.47	178	61780	2.588	ng	98
74) Fluoranthene	12.62	202	344090	14.707	ng	98
77) Pyrene	12.85	202	310717	14.884	ng	98
80) Benzo(a)anthracene	14.03	228	168023	9.671	ng	98
82) Chrysene	14.07	228	151883	9.004	ng	96
85) Indeno(1,2,3-cd)pyrene	17.05	276	116069	8.691	ng	97
87) Benzo(b)fluoranthene	15.11	252	235986m	11.768	ng	
88) Benzo(k)fluoranthene	15.13	252	65396m	3.463	ng	
89) Benzo(a)pyrene	15.48	252	171472	9.575	ng	# 93
90) Dibenzo(a,h)anthracene	17.06	278	28350	2.049	ng	# 76
91) Benzo(g,h,i)perylene	17.52	276	118391	8.754	ng	95

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

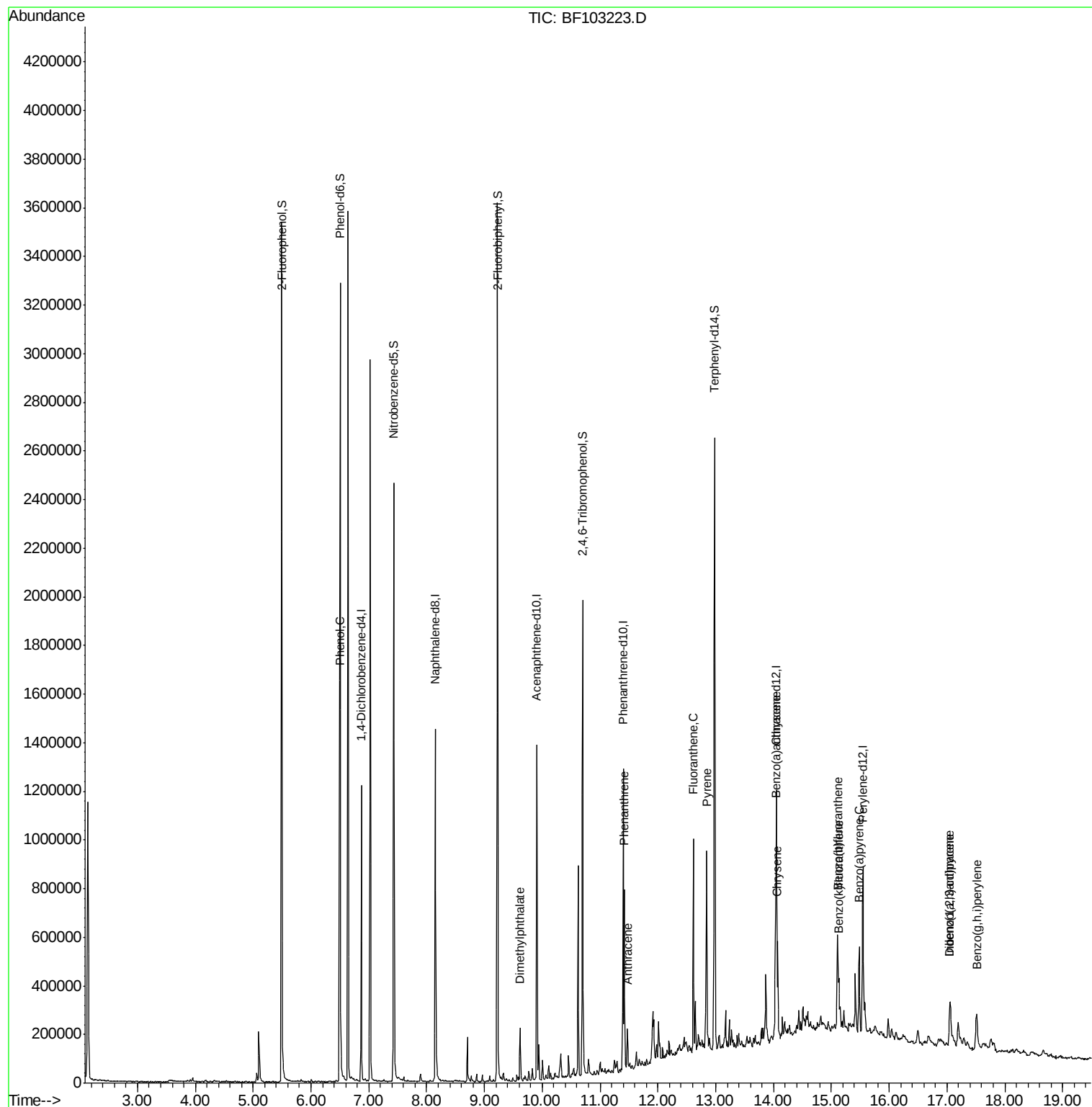
Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
Data File : BF103223.D
Acq On : 26 Feb 2018 17:59
Operator : SJ/JU
Sample : J1691-01
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ALS Vial : 4 Sample Multiplier: 1

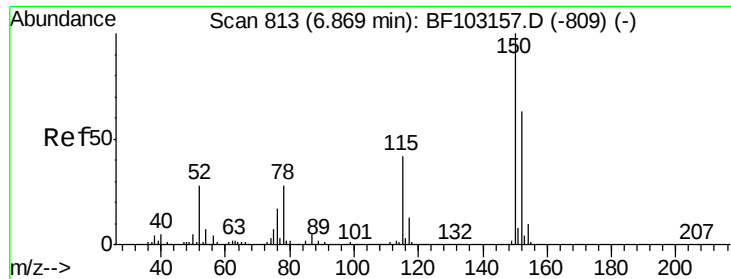
Instrument :
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Quant Time: Feb 27 00:44:52 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
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#1

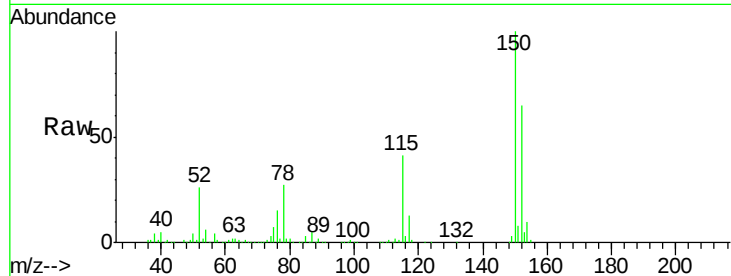
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. 0.00 min
Lab File: BF103223.D
Acq: 26 Feb 2018 17:59

Instrument :
BNA_F
ClientSampled :
B1

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.9	124.6	186.8
115	63.5	50.1	75.1

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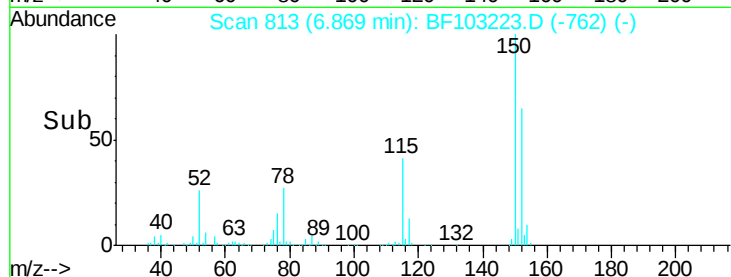
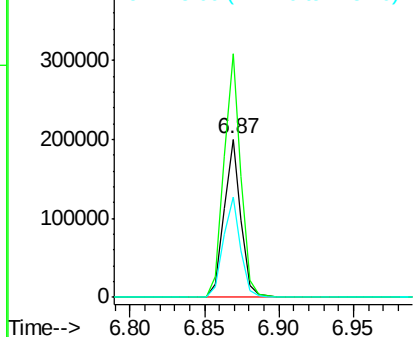


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

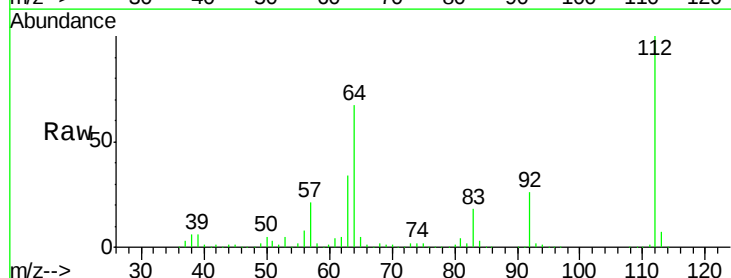
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 99.613 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF103223.D
Acq: 26 Feb 2018 17:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.9	47.9	71.9
63	33.6	23.7	35.5

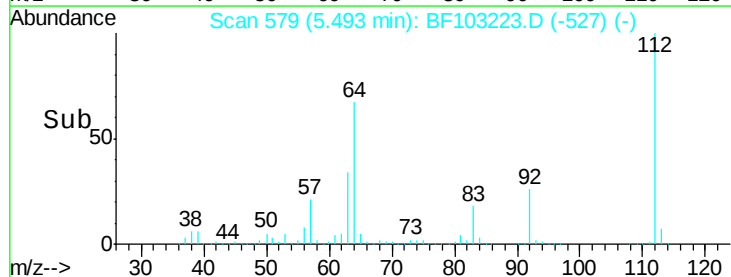
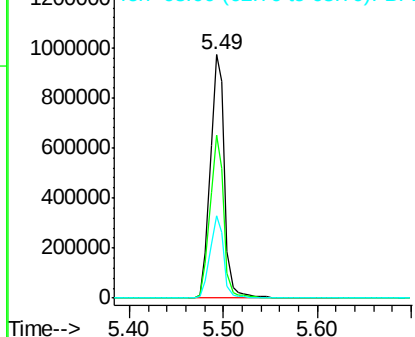


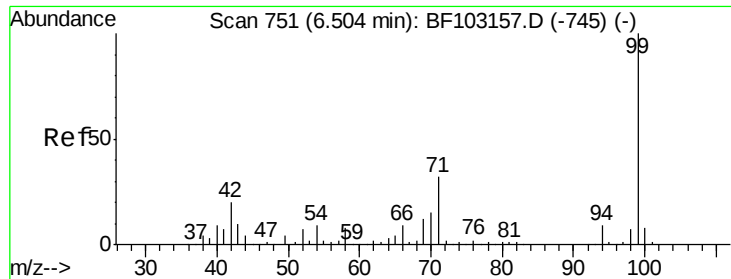
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 97.150 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: BF103223.D

Acq: 26 Feb 2018 17:59

Instrument :

BNA_F

ClientSampled :

B1

Tot Ion: 99 Resp: 1248446

Ion Ratio Lower Upper

99 100

42 19.7 14.5 21.7

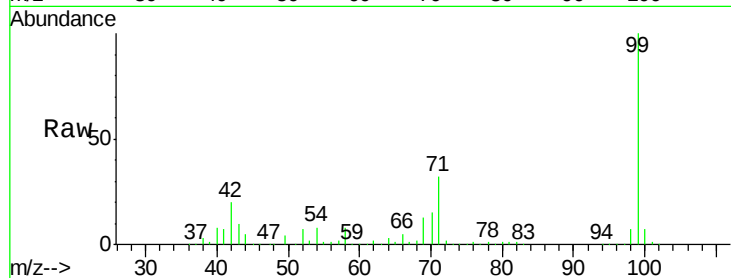
71 32.4 25.4 38.0

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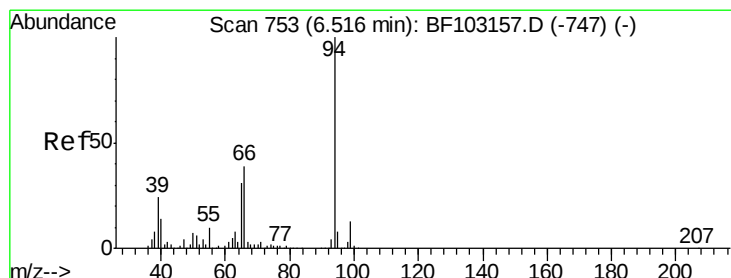
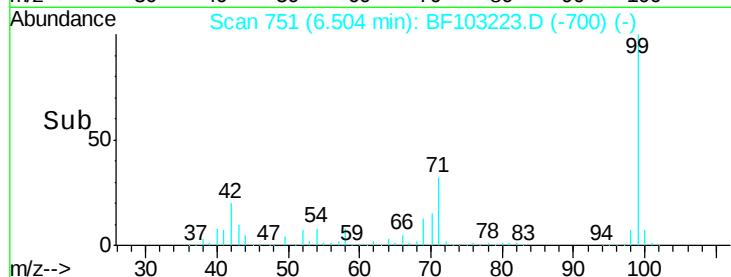
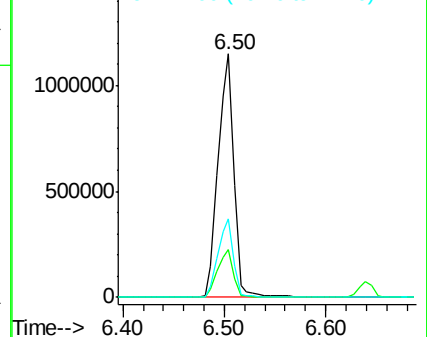
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.087 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.00 min

Lab File: BF103223.D

Acq: 26 Feb 2018 17:59

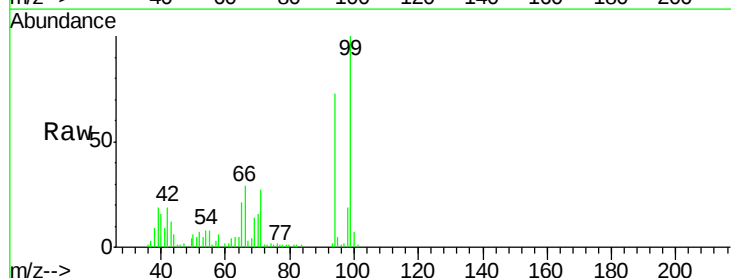
Tgt Ion: 94 Resp: 31134

Ion Ratio Lower Upper

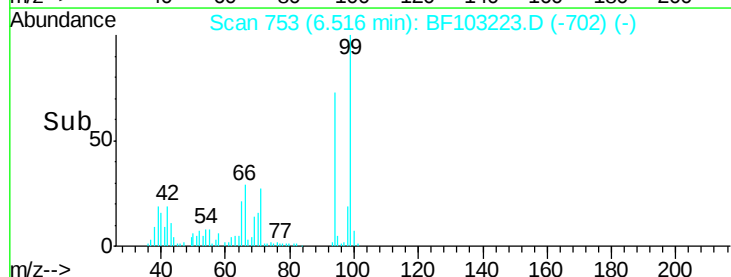
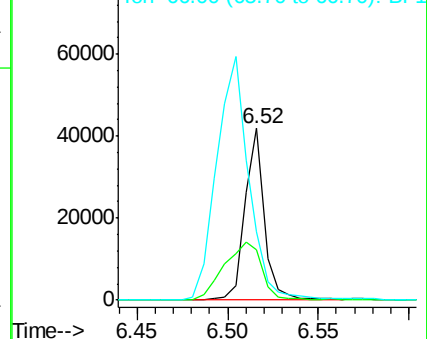
94 100

65 29.0 7.9 47.9

66 39.9 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





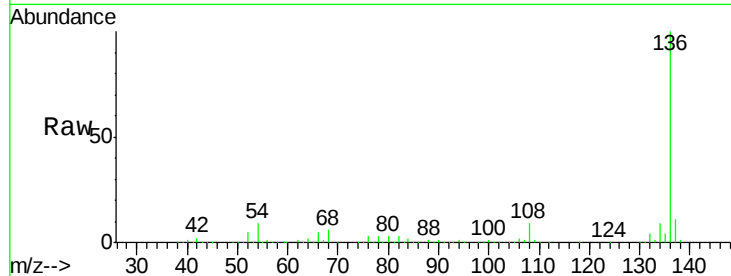
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF103223.D
Acq: 26 Feb 2018 17:59

Instrument :
BNA_F
ClientSampled :
B1

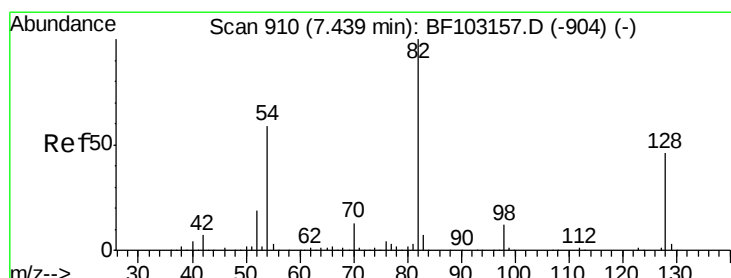
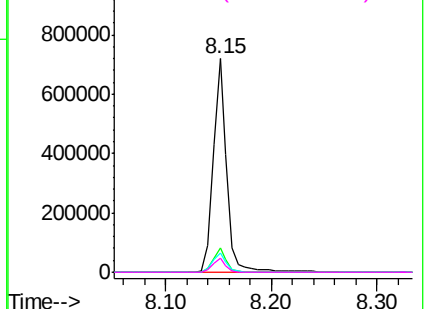
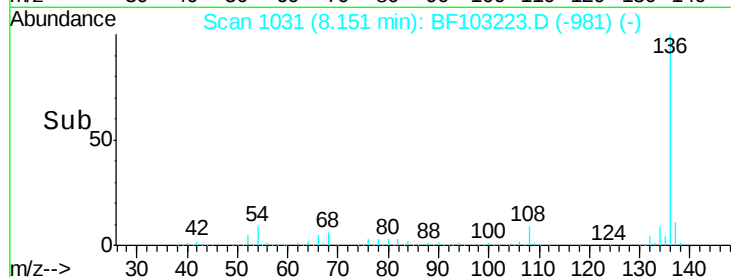
Tot Ion	Ratio	Resp	Lower	Upper
136	100	650515		
137	11.1		8.9	13.3
54	9.2		6.6	9.8
68	6.4		5.0	7.4

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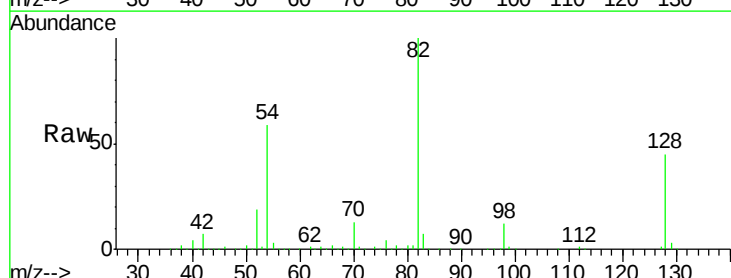


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

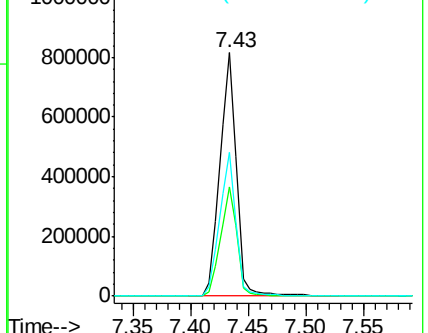
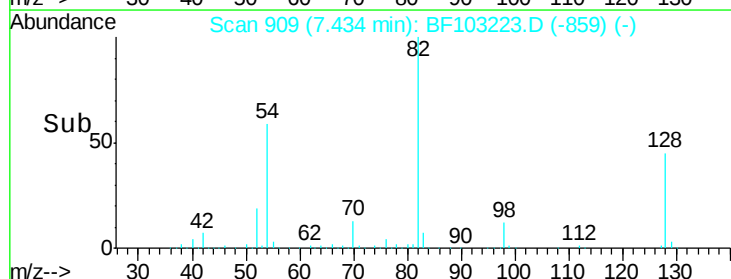


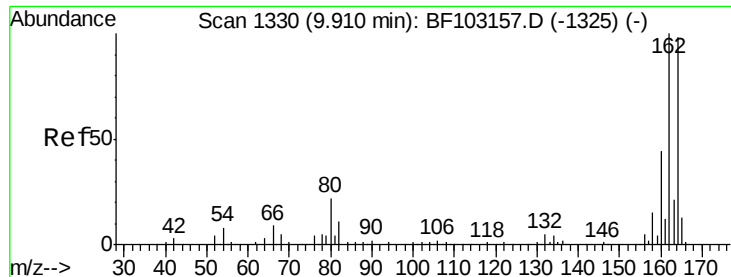
#23
Nitrobenzene-d5
Concen: 71.493 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF103223.D
Acq: 26 Feb 2018 17:59

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	814370		
128	44.8		36.1	54.1
54	59.0		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





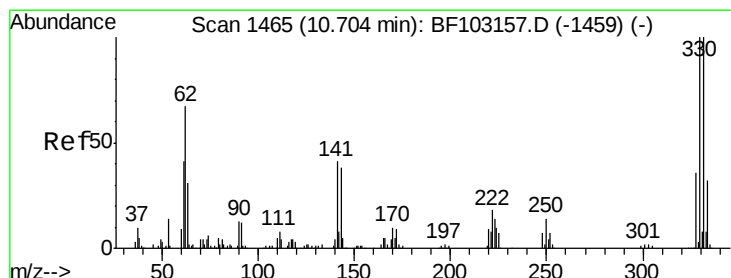
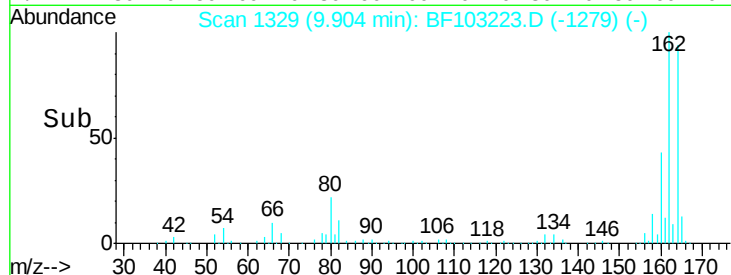
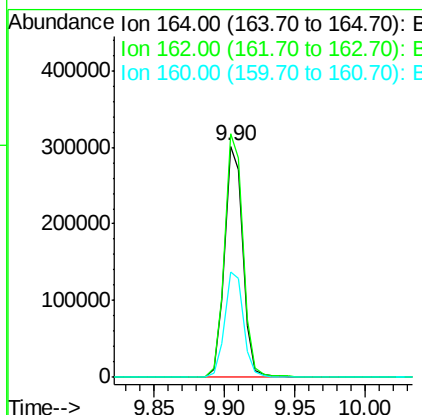
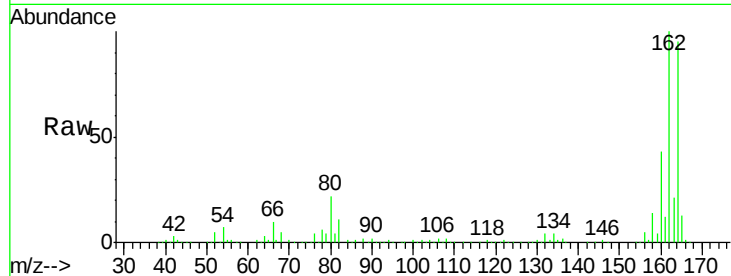
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.01 min
Lab File: BF103223.D
Acq: 26 Feb 2018 17:59

Instrument :
BNA_F
ClientSampleId :
B1

Tot Ion	Ratio	Lower	Upper
164	100		
162	105.4	86.1	129.1
160	45.6	38.3	57.5

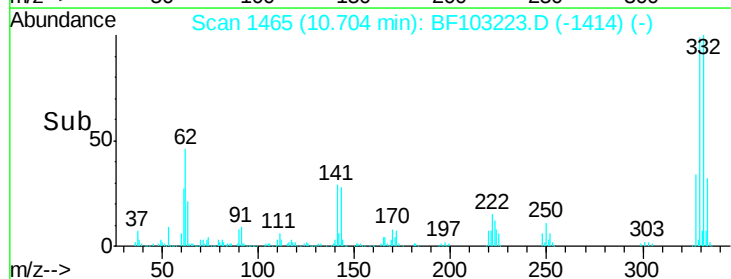
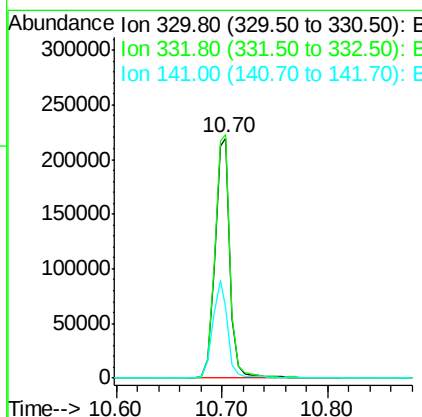
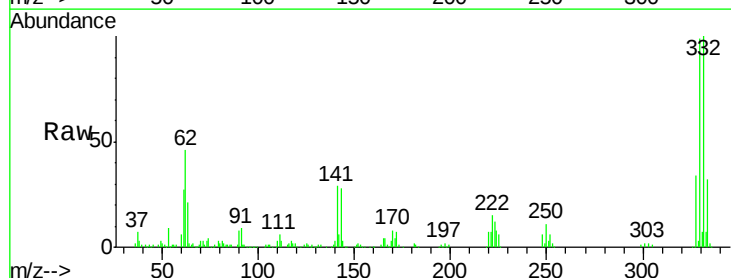
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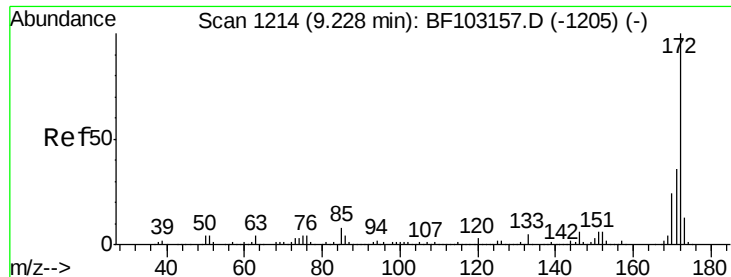
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#41
2,4,6-Tribromophenol
Concen: 97.349 ng
RT: 10.70 min Scan# 1465
Delta R.T. 0.00 min
Lab File: BF103223.D
Acq: 26 Feb 2018 17:59

Tgt Ion	Ratio	Lower	Upper
330	100		
332	102.3	77.0	115.6
141	40.7	29.9	44.9





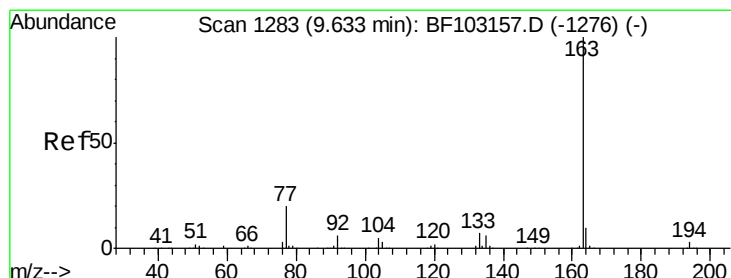
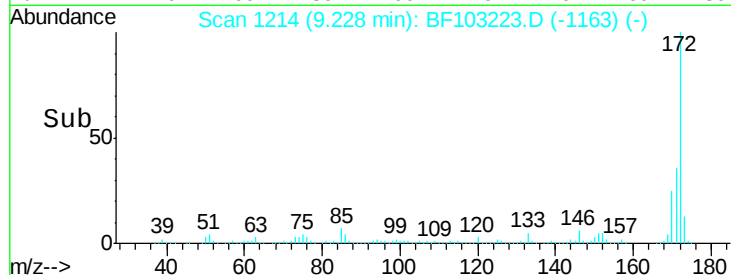
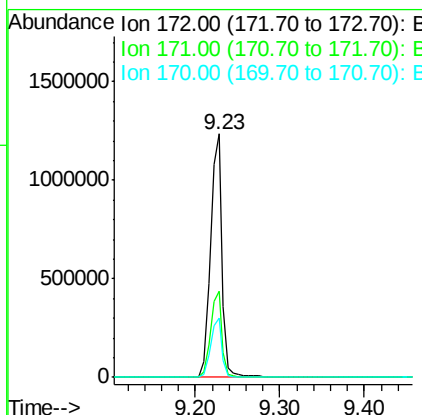
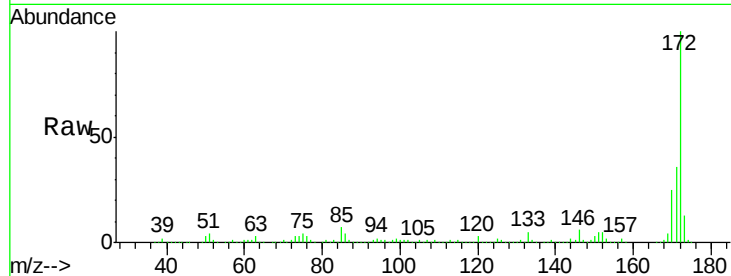
#44
2-Fluorobiphenyl
Concen: 73.436 ng
RT: 9.23 min Scan# 1214
Delta R.T. 0.00 min
Lab File: BF103223.D
Acq: 26 Feb 2018 17:59

Instrument :
BNA_F
ClientSampleId :
B1

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.7	44.5
170	24.6	19.6	29.4

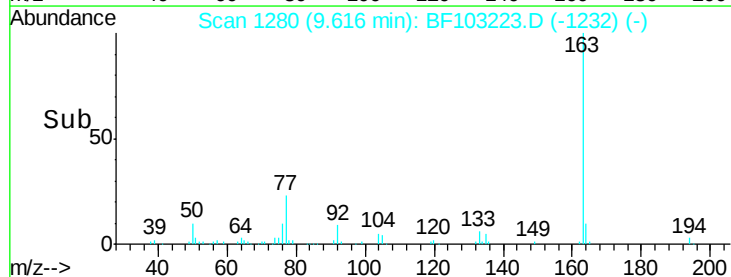
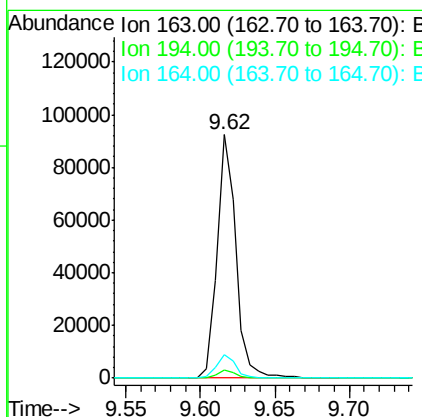
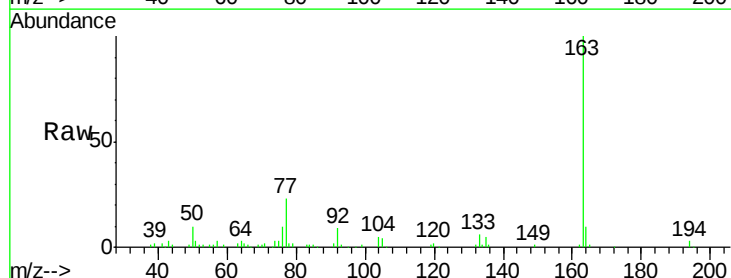
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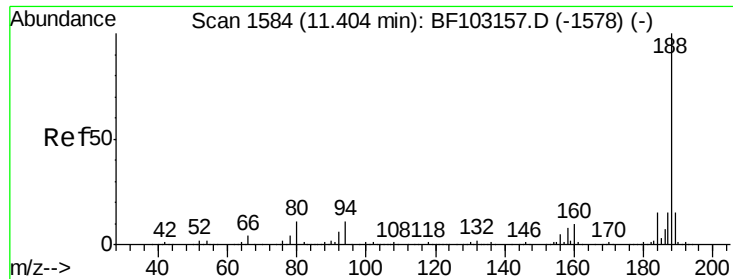
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#49
Dimethylphthalate
Concen: 3.737 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.02 min
Lab File: BF103223.D
Acq: 26 Feb 2018 17:59

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.7	4.1
164	9.6	8.2	12.2





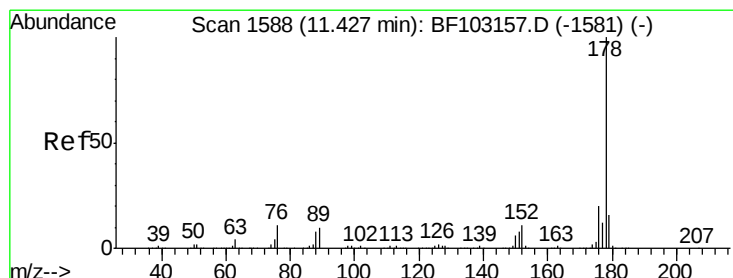
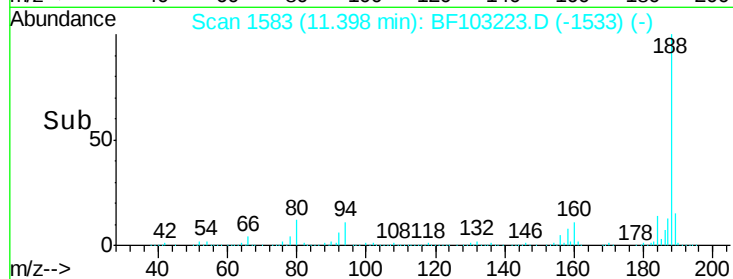
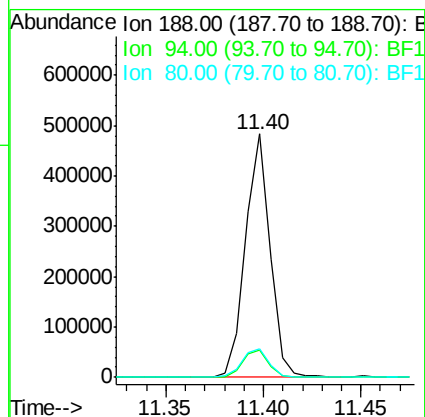
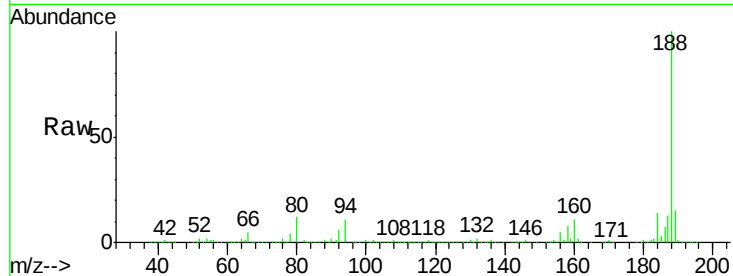
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF103223.D
Acq: 26 Feb 2018 17:59

Instrument :
BNA_F
ClientSampleId :
B1

Tot Ion	Ratio	Resp	Lower	Upper
188	100	423054		
94	11.1		8.5	12.7
80	11.7		9.2	13.8

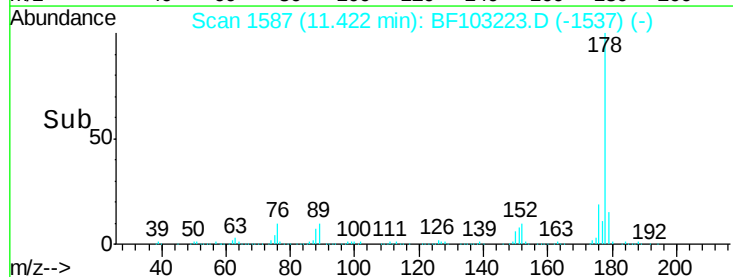
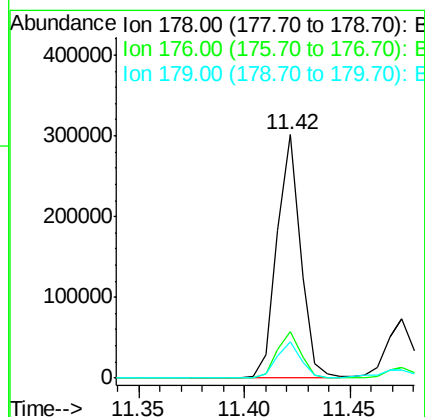
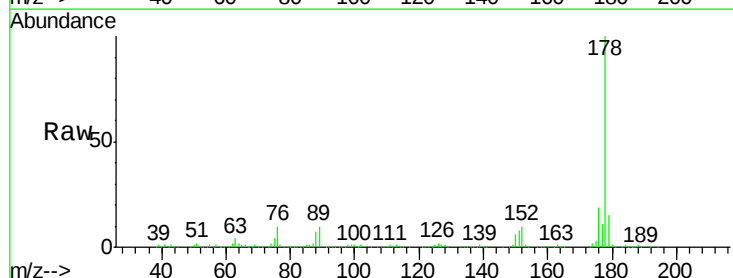
Manual Integrations
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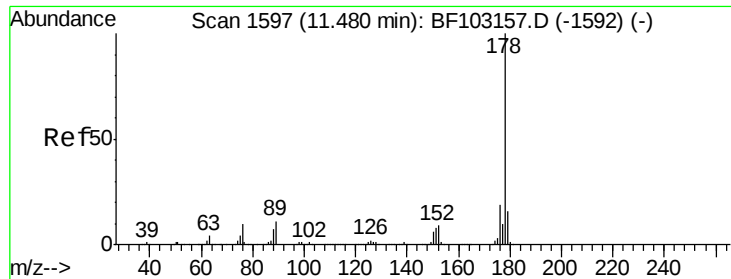
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#70
Phenanthrene
Concen: 10.092 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.01 min
Lab File: BF103223.D
Acq: 26 Feb 2018 17:59

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	234965		
176	19.2		15.8	23.8
179	15.1		13.0	19.6





#71

Anthracene

Concen: 2.588 ng

RT: 11.47 min Scan# 1596

Delta R.T. -0.01 min

Lab File: BF103223.D

Acq: 26 Feb 2018 17:59

Instrument :

BNA_F

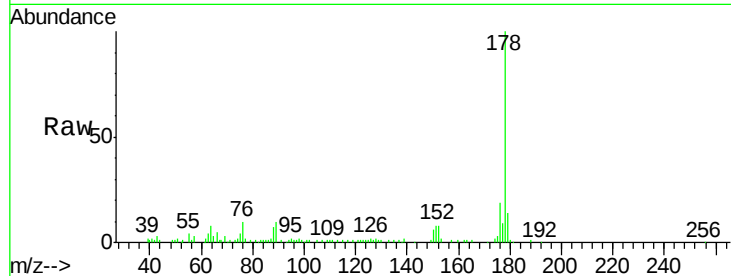
ClientSampleId :

B1

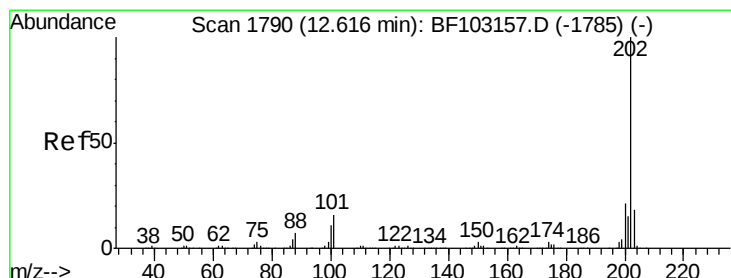
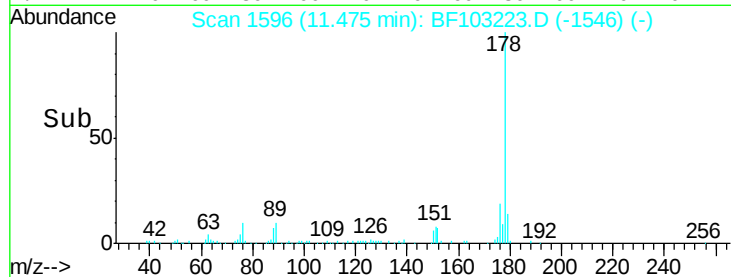
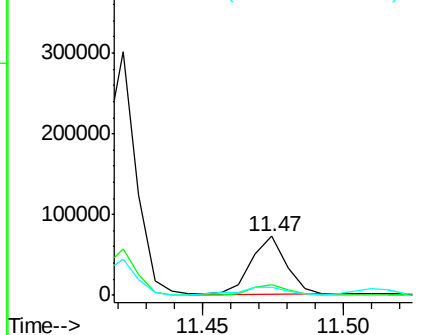
Tot Ion:	178	Resp:	61780
Ion Ratio	Lower	Upper	
178	100		
176	19.0	15.4	23.2
179	14.0	12.6	19.0

Manual Integrations
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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: 14.707 ng

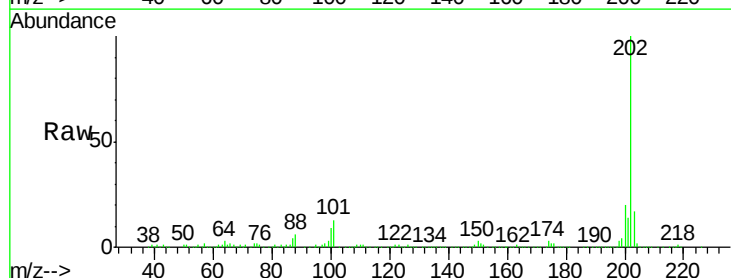
RT: 12.62 min Scan# 1790

Delta R.T. 0.00 min

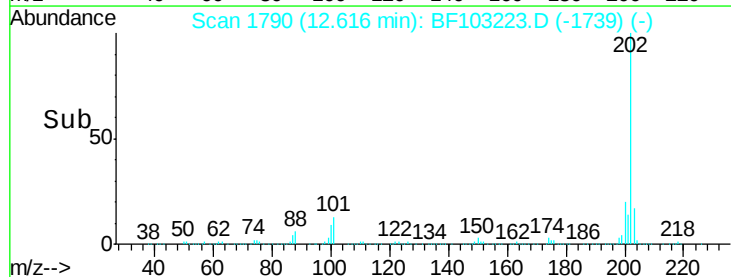
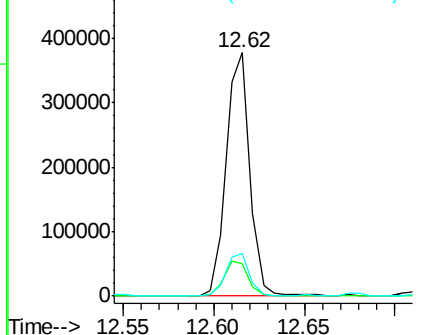
Lab File: BF103223.D

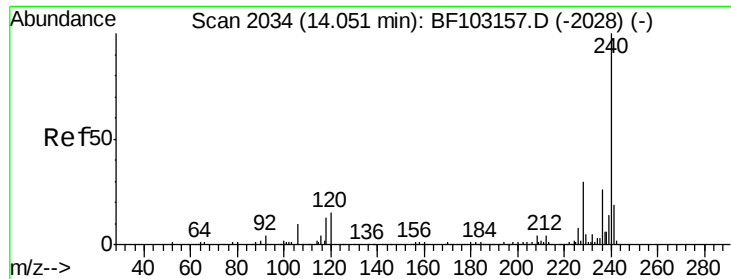
Acq: 26 Feb 2018 17:59

Tgt Ion:	202	Resp:	344090
Ion Ratio	Lower	Upper	
202	100		
101	13.3	0.0	34.1
203	17.4	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: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF103223.D

Acq: 26 Feb 2018 17:59

Instrument :

BNA_F

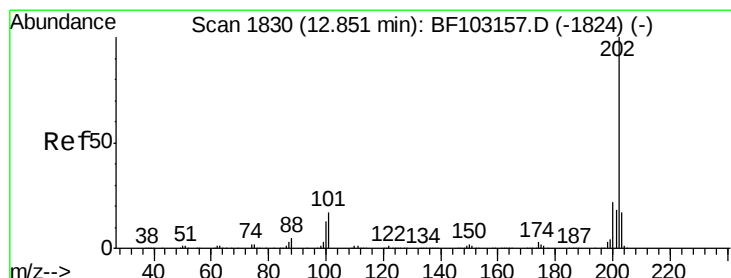
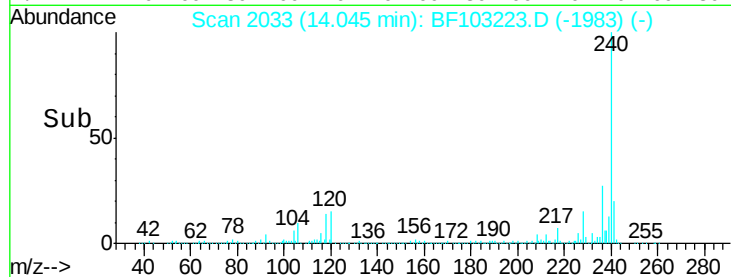
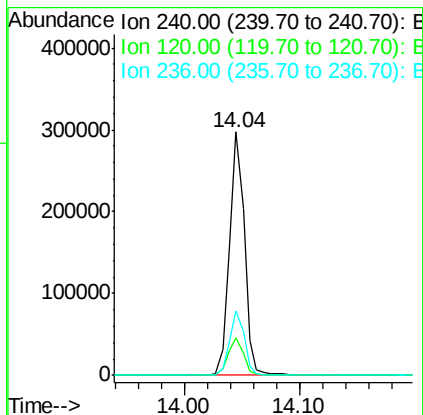
ClientSampled :

B1

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.5	9.5	14.3#
236	26.5	20.7	31.1

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#77

Pyrene

Concen: 14.884 ng

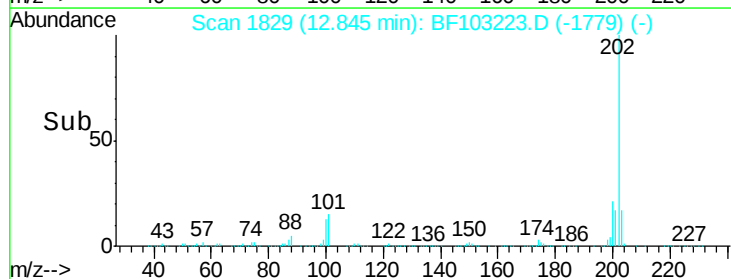
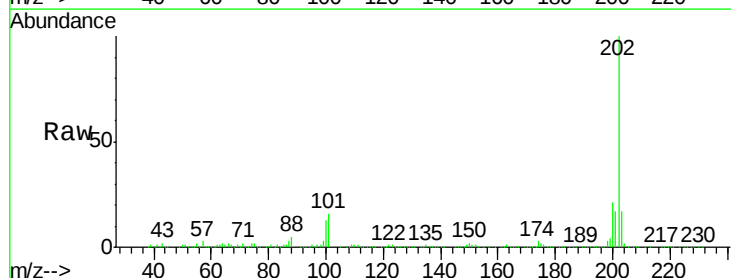
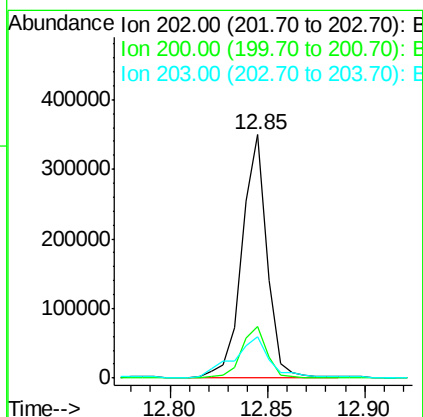
RT: 12.85 min Scan# 1829

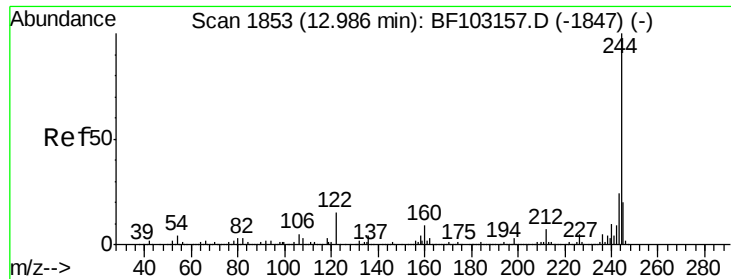
Delta R.T. -0.01 min

Lab File: BF103223.D

Acq: 26 Feb 2018 17:59

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.4	26.2
203	17.1	14.3	21.5





#78

Terphenyl-d14

Concen: 74.255 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF103223.D

Acq: 26 Feb 2018 17:59

Instrument :

BNA_F

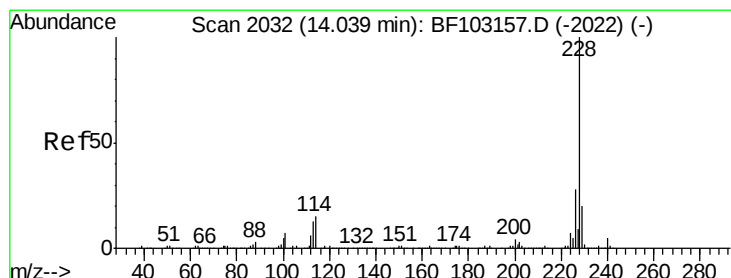
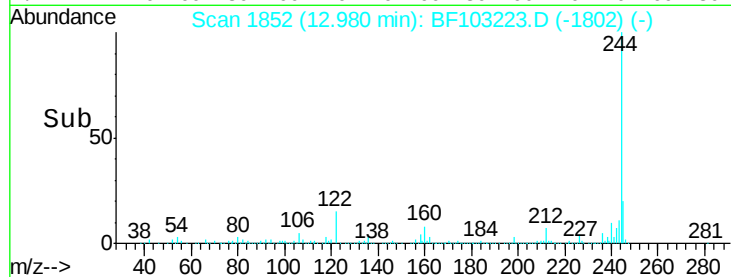
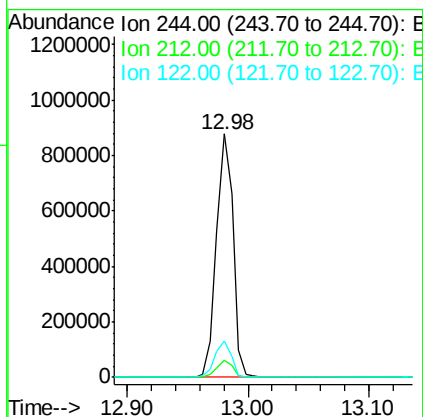
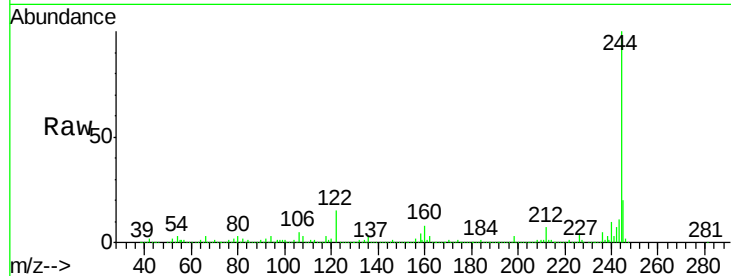
ClientSampled :

B1

Tot Ion:	244	Resp:	827113
Ion Ratio		Lower	Upper
244	100		
212	6.8	5.4	8.0
122	14.7	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 9.671 ng

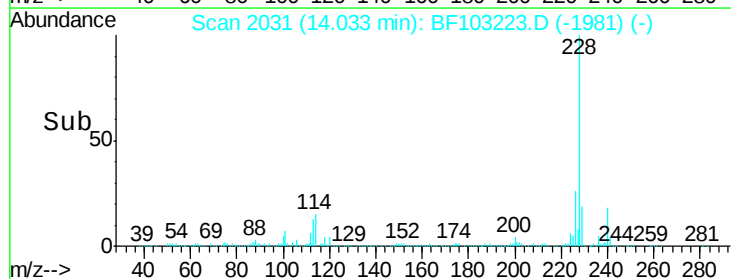
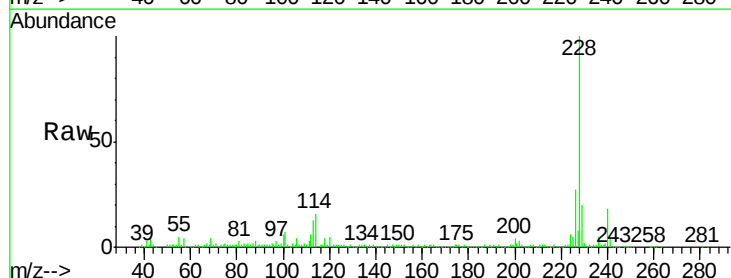
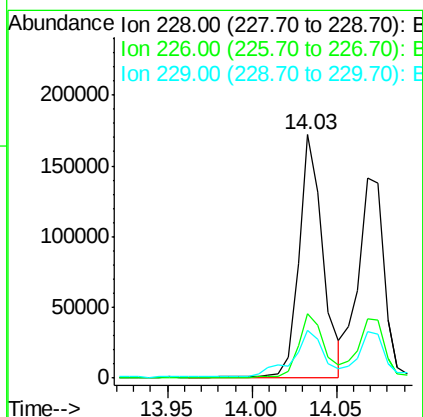
RT: 14.03 min Scan# 2031

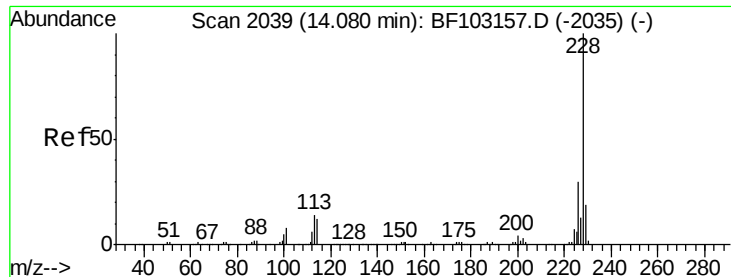
Delta R.T. -0.01 min

Lab File: BF103223.D

Acq: 26 Feb 2018 17:59

Tgt Ion:	228	Resp:	168023
Ion Ratio		Lower	Upper
228	100		
226	26.6	22.6	33.8
229	19.8	15.8	23.6





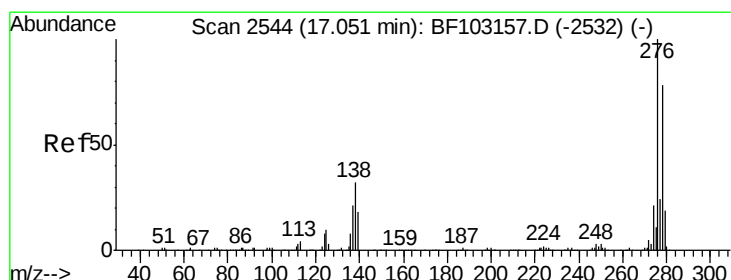
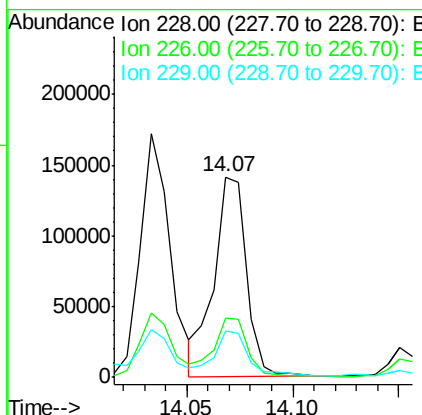
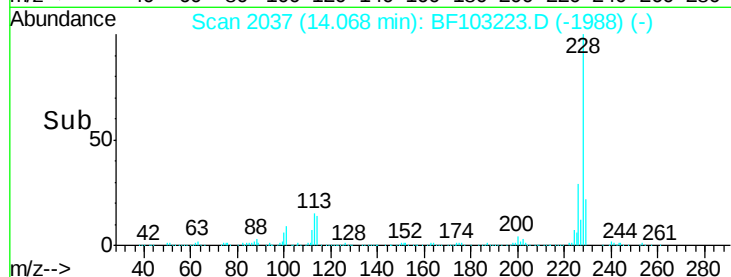
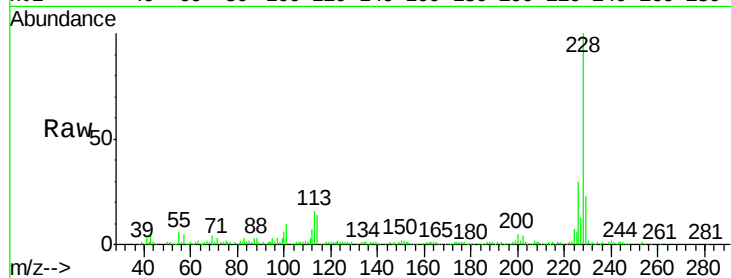
#82
Chrysene
Concen: 9.004 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF103223.D
Acq: 26 Feb 2018 17:59

Instrument :
BNA_F
ClientSampled :
B1

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	25.0	37.6
229	23.0	16.2	24.4

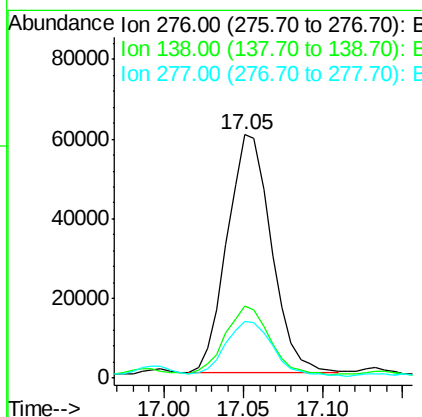
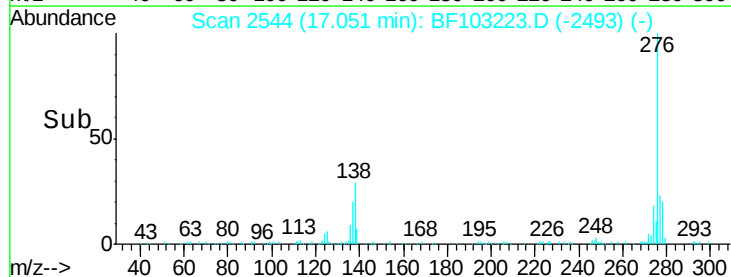
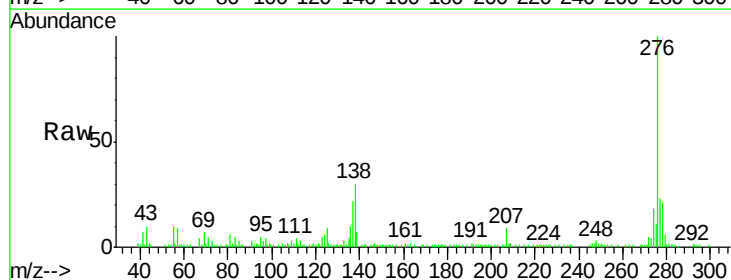
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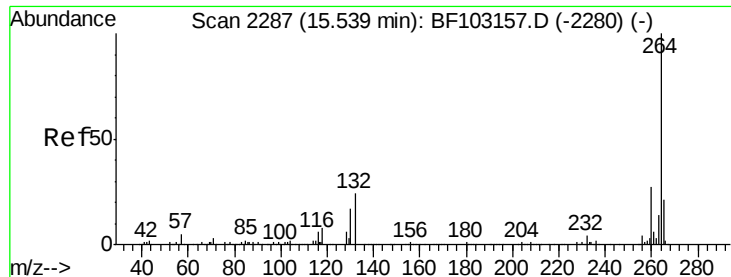
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 8.691 ng
RT: 17.05 min Scan# 2544
Delta R.T. 0.00 min
Lab File: BF103223.D
Acq: 26 Feb 2018 17:59

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.2	25.0	37.6
277	24.3	20.1	30.1





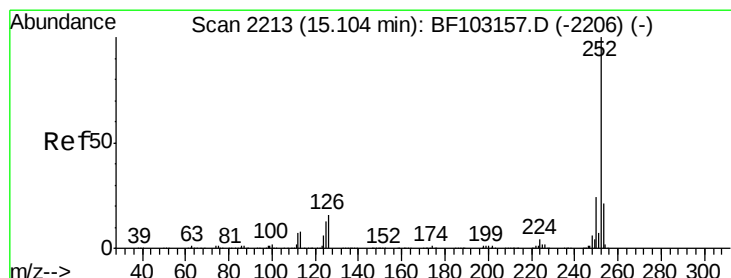
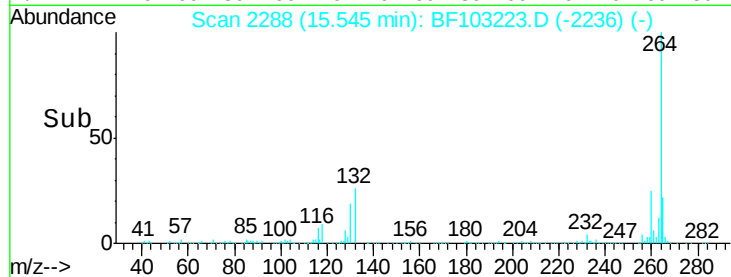
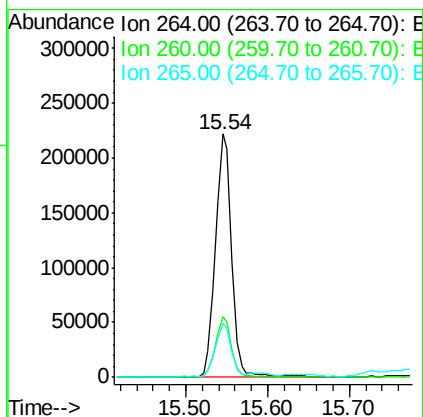
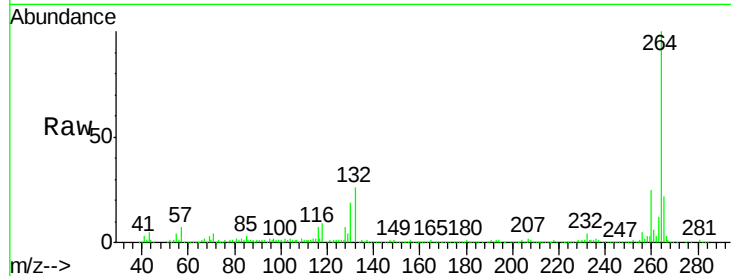
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2288
Delta R.T. 0.01 min
Lab File: BF103223.D
Acq: 26 Feb 2018 17:59

Instrument :
BNA_F
ClientSampleId :
B1

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.2	28.8
265	22.3	17.5	26.3

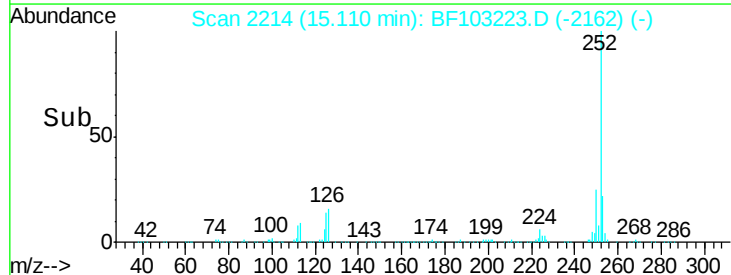
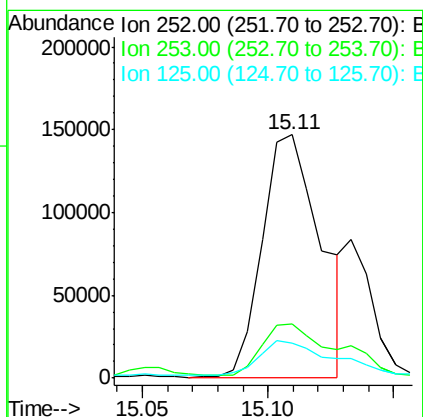
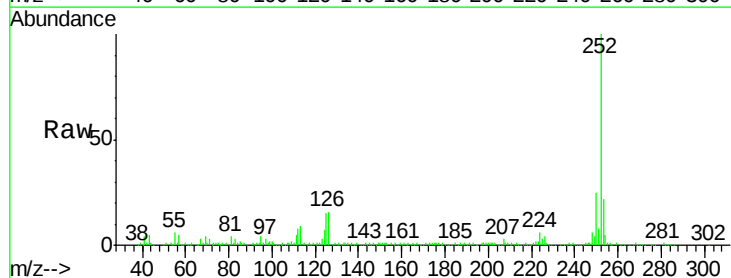
Manual Integrations
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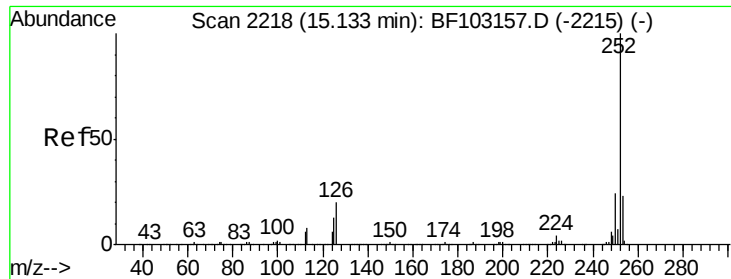
Sohil
2/27/2018 12:22:48 PM



#87
Benzo(b)fluoranthene
Concen: 11.768 ng m
RT: 15.11 min Scan# 2214
Delta R.T. 0.01 min
Lab File: BF103223.D
Acq: 26 Feb 2018 17:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.6
125	14.6	9.0	13.6#





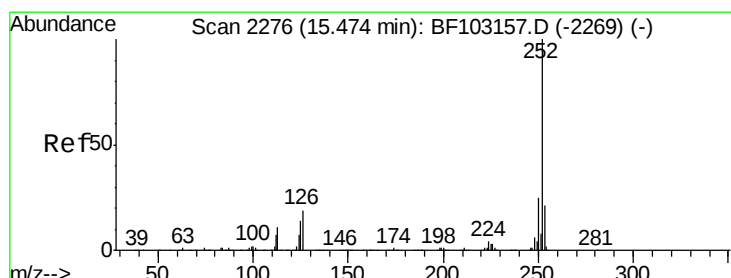
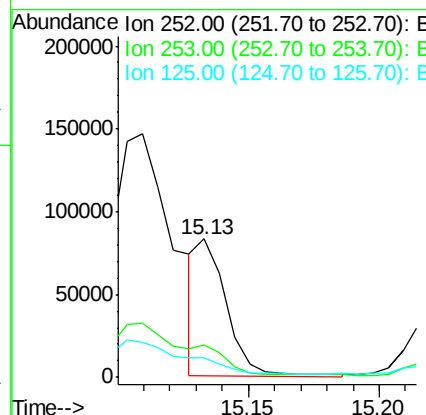
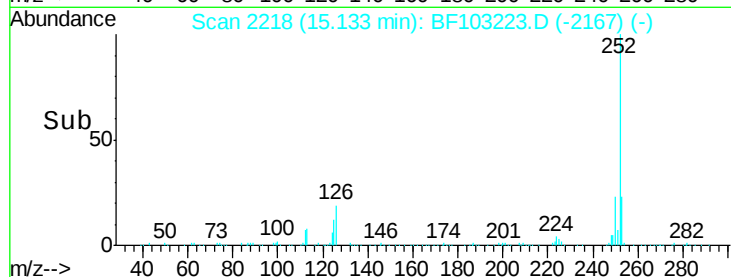
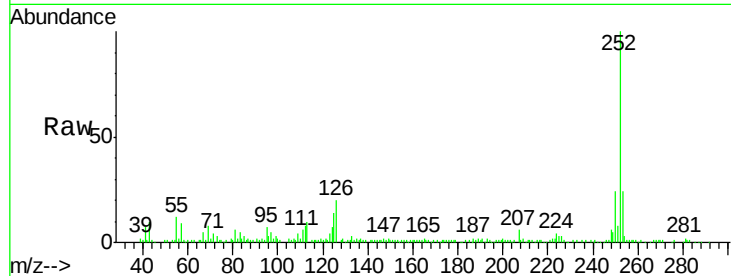
#88
Benzo(k)fluoranthene
Concen: 3.463 ng m
RT: 15.13 min Scan# 2218
Delta R.T. 0.00 min
Lab File: BF103223.D
Acq: 26 Feb 2018 17:59

Instrument :
BNA_F
ClientSampleId :
B1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.9	26.9
125	14.2	10.2	15.2

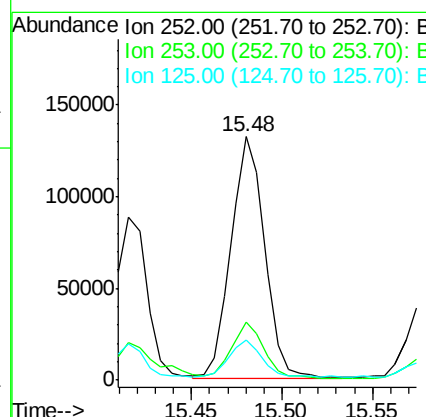
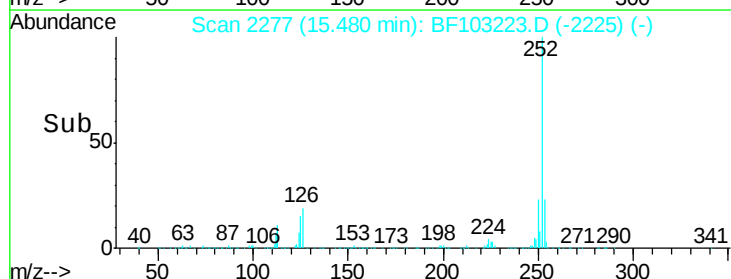
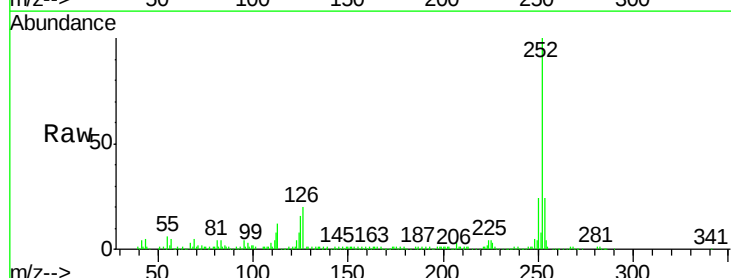
Manual Integrations
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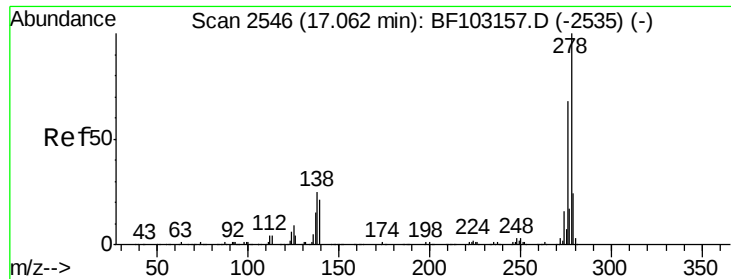
Sohil
2/27/2018 12:22:48 PM



#89
Benzo(a)pyrene
Concen: 9.575 ng
RT: 15.48 min Scan# 2277
Delta R.T. 0.01 min
Lab File: BF103223.D
Acq: 26 Feb 2018 17:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.1	25.7
125	16.3	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 2.049 ng

RT: 17.06 min Scan# 2545

Delta R.T. -0.01 min

Lab File: BF103223.D

Acq: 26 Feb 2018 17:59

Instrument :

BNA_F

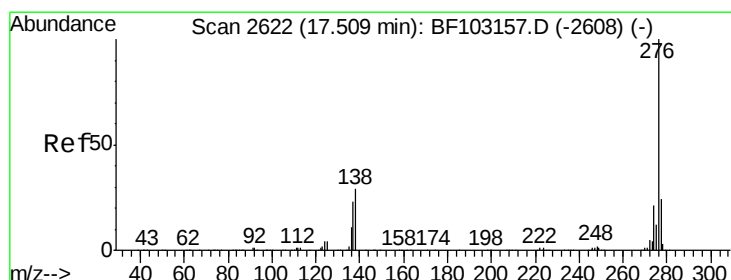
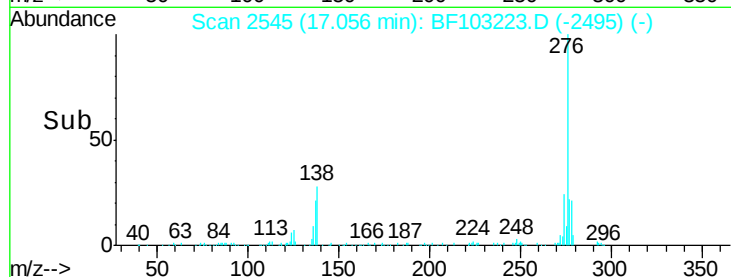
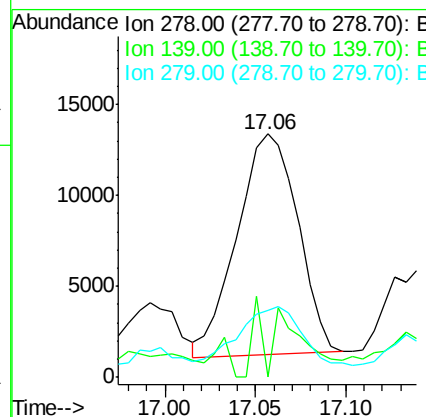
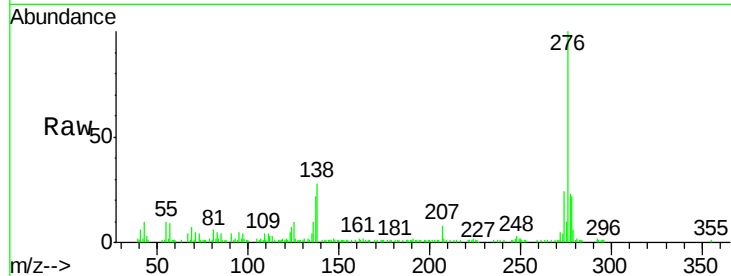
ClientSampleId :

B1

Tot Ion:	278	Resp:	28350
Ion Ratio	Lower	Upper	
278	100		
139	0.0	15.9	23.9#
279	27.6	19.0	28.4

Manual Integrations
APPROVED

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2/27/2018 12:22:48 PM



#91

Benzo(g,h,i)perylene

Concen: 8.754 ng

RT: 17.52 min Scan# 2623

Delta R.T. 0.01 min

Lab File: BF103223.D

Acq: 26 Feb 2018 17:59

Tgt Ion:	276	Resp:	118391
Ion Ratio	Lower	Upper	
276	100		
277	23.1	17.9	26.9
138	31.5	21.8	32.8

