

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030918\
 Data File : BF103558.D
 Acq On : 9 Mar 2018 15:46
 Operator : SJ/JU
 Sample : J1829-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-12-01-05

Manual Integrations
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 3/12/2018 3:50:16 PM

Quant Time: Mar 09 17:34:08 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 09 11:47:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	142383	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	603626	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	243097	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	342301	20.00	ng	0.00
75) Chrysene-d12	14.06	240	215712	20.00	ng	0.00
86) Perylene-d12	15.57	264	195684	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	944068	100.28	ng	0.00
7) Phenol-d6	6.50	99	1195436	103.77	ng	0.00
23) Nitrobenzene-d5	7.43	82	791808	74.91	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	146482	71.19	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	998369	67.27	ng	0.00
78) Terphenyl-d14	12.99	244	597193	66.55	ng	0.00
Target Compounds						Qvalue
51) Acenaphthene	9.94	154	33597	2.324	ng	97
57) Fluorene	10.46	166	36383	2.152	ng	# 92
70) Phenanthrene	11.43	178	581543	30.871	ng	98
71) Anthracene	11.48	178	193201	10.002	ng	98
72) Carbazole	11.65	167	38479	2.000	ng	98
73) Di-n-butylphthalate	11.94	149	664916	27.623	ng	99
74) Fluoranthene	12.63	202	828929	43.789	ng	99
77) Pyrene	12.86	202	837908	49.821	ng	100
80) Benzo(a)anthracene	14.05	228	417281	29.814	ng	98
82) Chrysene	14.09	228	371963	27.370	ng	99
85) Indeno(1,2,3-cd)pyrene	17.12	276	177680	16.515	ng	92
87) Benzo(b)fluoranthene	15.13	252	416260m	32.353	ng	
88) Benzo(k)fluoranthene	15.16	252	188904m	15.592	ng	
89) Benzo(a)pyrene	15.52	252	341993	29.766	ng	97
90) Dibenzo(a,h)anthracene	17.12	278	40463	4.558	ng	# 85
91) Benzo(g,h,i)perylene	17.59	276	160411	18.487	ng	92

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

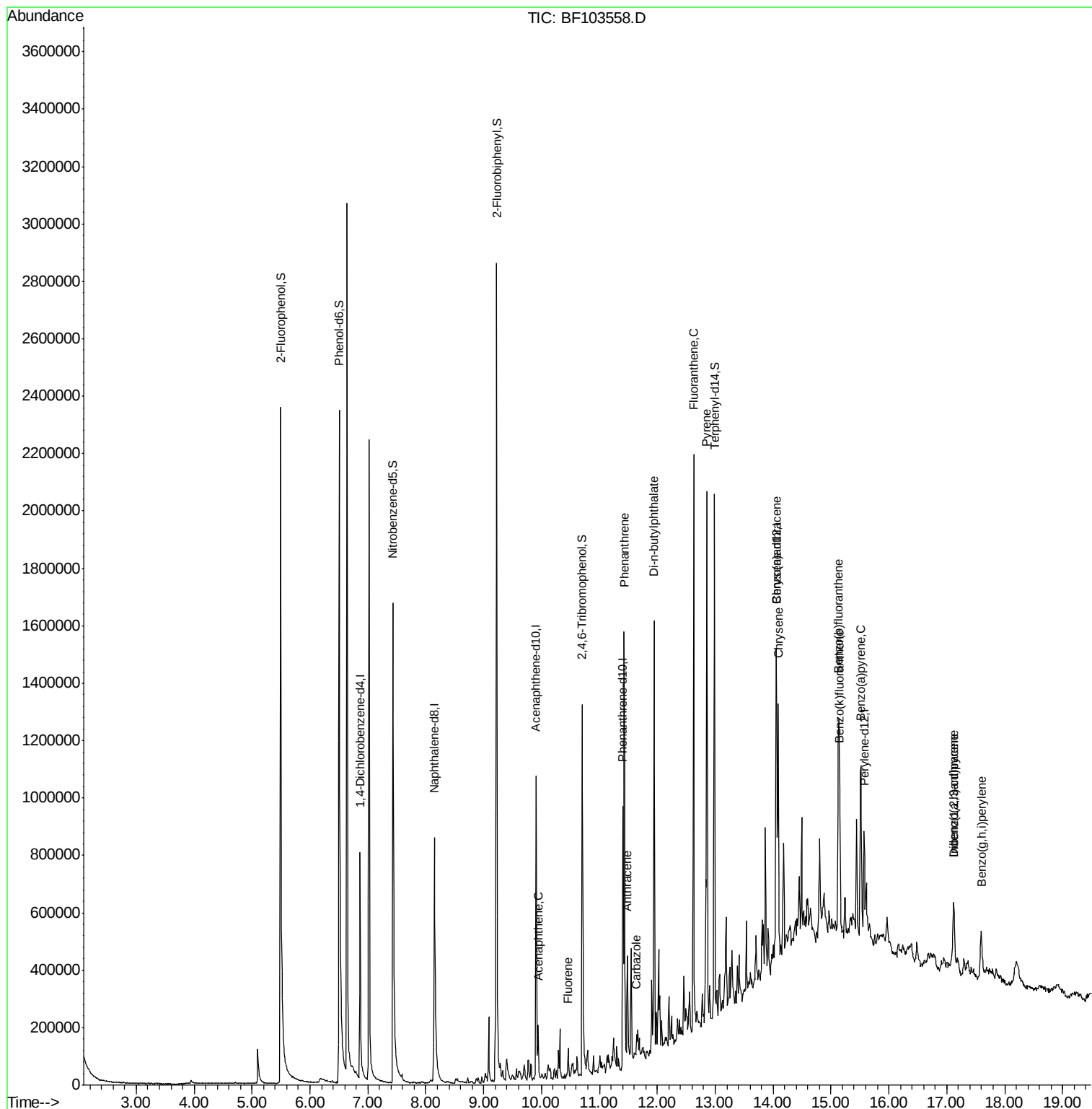
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030918\
Data File : BF103558.D
Acq On : 9 Mar 2018 15:46
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Quant Time: Mar 09 17:34:08 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
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#1

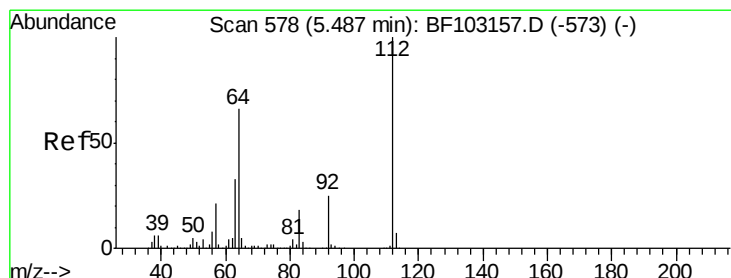
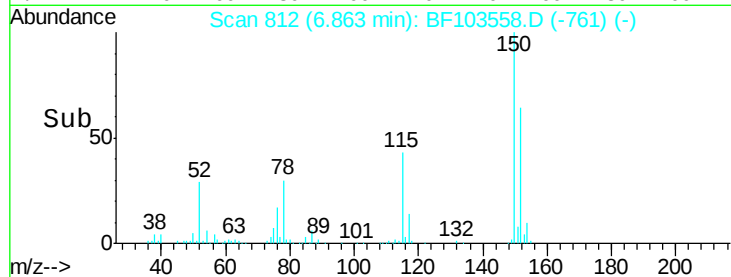
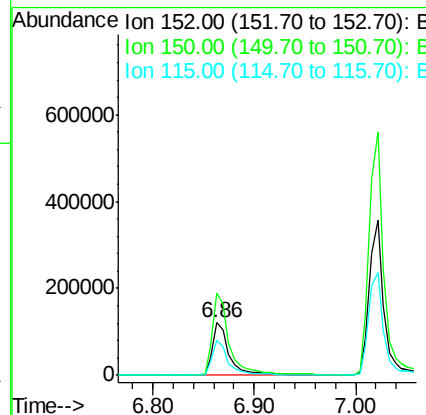
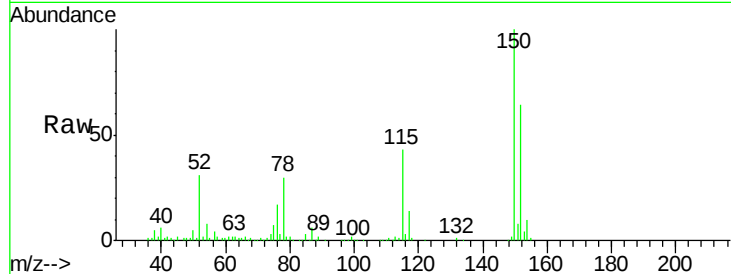
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. 0.00 min
Lab File: BF103558.D
Acq: 9 Mar 2018 15:46

Instrument :
BNA_F
ClientSampleId :
SB-12-01-05

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.4	124.6	186.8
115	67.8	50.1	75.1

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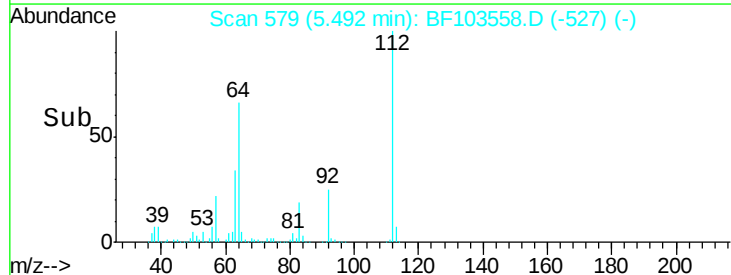
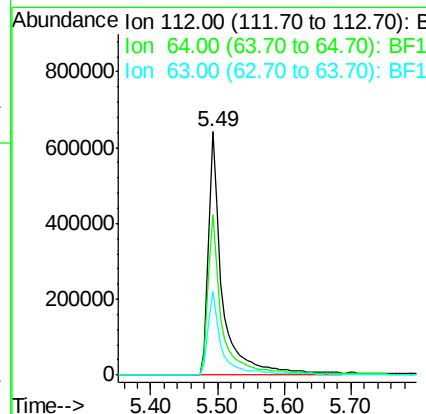
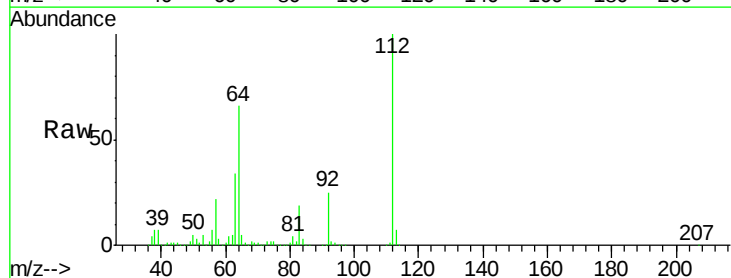
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#5

2-Fluorophenol
Concen: 100.281 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF103558.D
Acq: 9 Mar 2018 15:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.0	47.9	71.9
63	34.3	23.7	35.5





#7

Phenol-d6

Concen: 103.773 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF103558.D

Acq: 9 Mar 2018 15:46

Instrument :

BNA_F

ClientSampled :

SB-12-01-05

Tot Ion: 99 Resp: 1195436

Ion Ratio Lower Upper

99 100

42 21.7 14.5 21.7

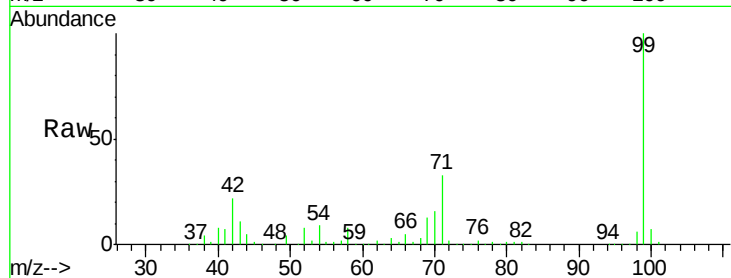
71 33.1 25.4 38.0

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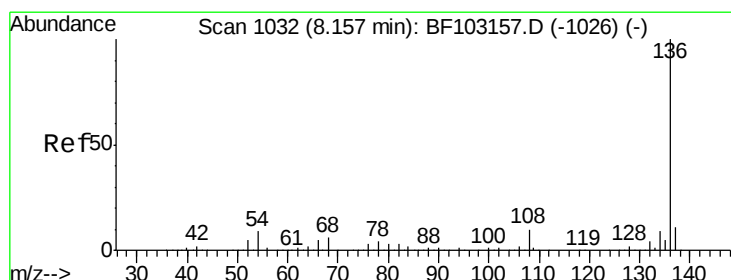
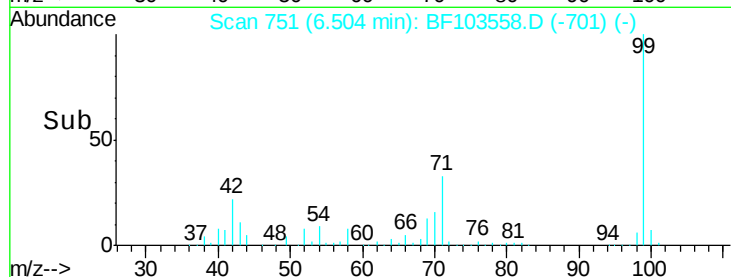
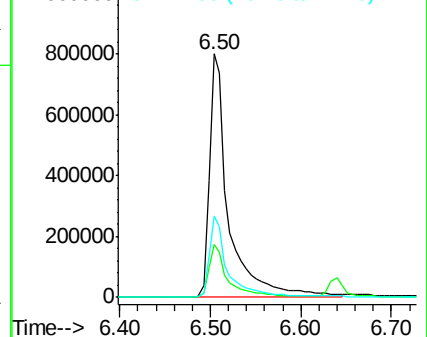
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1031

Delta R.T. 0.00 min

Lab File: BF103558.D

Acq: 9 Mar 2018 15:46

Tgt Ion: 136 Resp: 603626

Ion Ratio Lower Upper

136 100

137 12.1 8.9 13.3

54 9.6 6.6 9.8

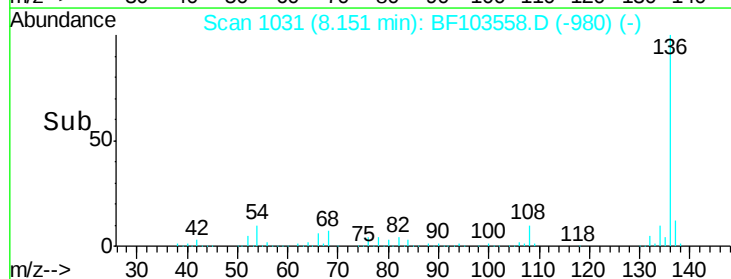
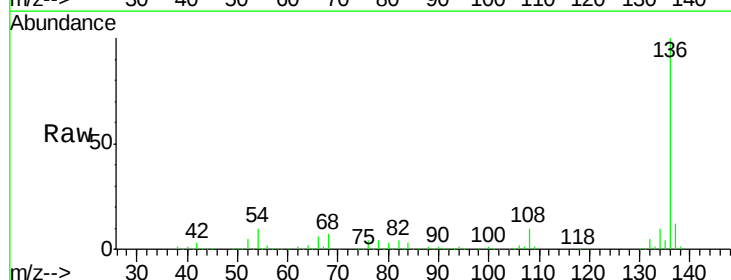
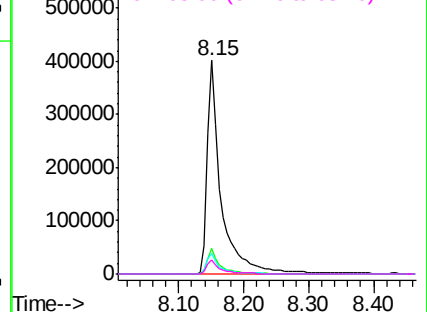
68 6.6 5.0 7.4

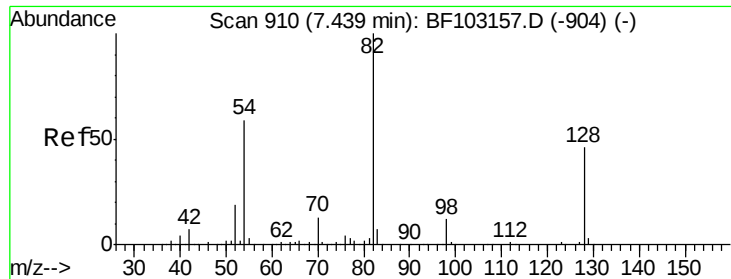
Abundance Ion 136.00 (135.70 to 136.70): E

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





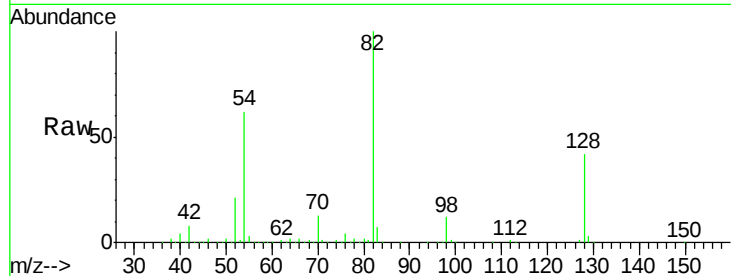
#23
Nitrobenzene-d5
Concen: 74.912 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF103558.D
Acq: 9 Mar 2018 15:46

Instrument :
BNA_F
ClientSampleId :
SB-12-01-05

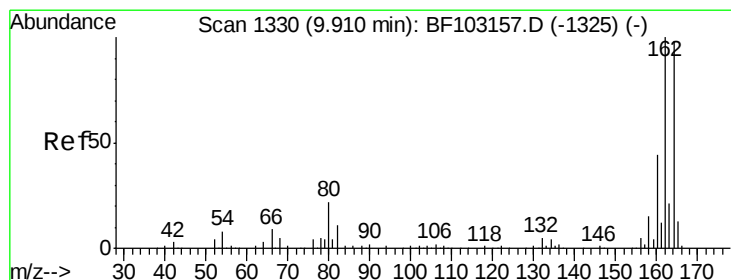
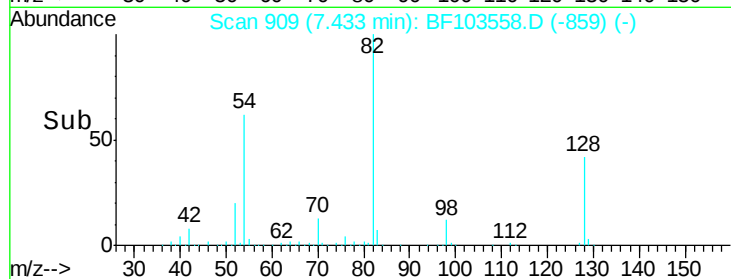
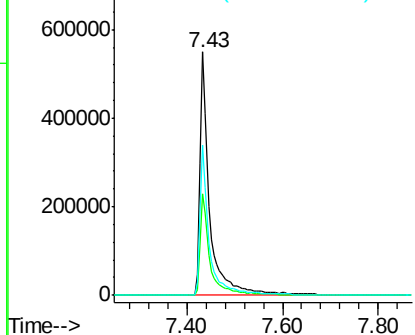
Tot Ion	Ratio	Lower	Upper
82	100		
128	41.9	36.1	54.1
54	61.5	41.4	62.2

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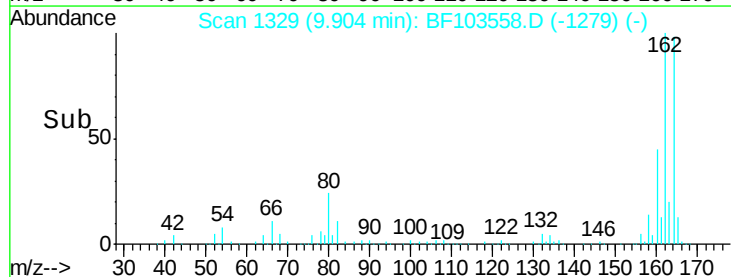
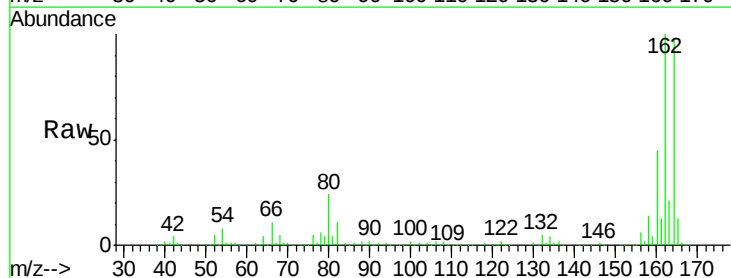
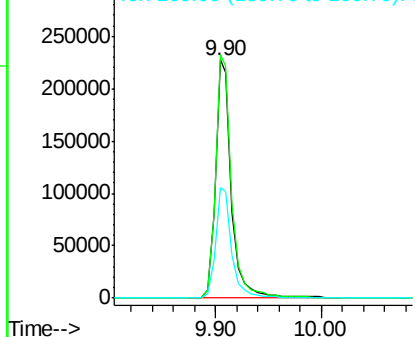
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

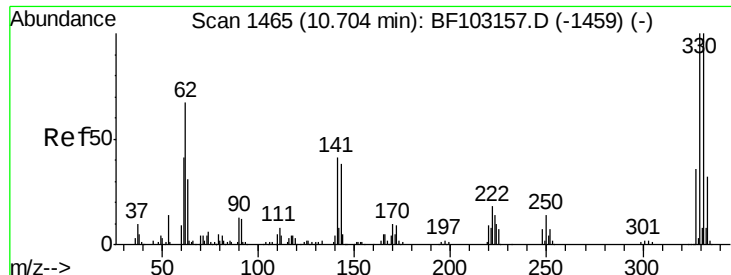


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.01 min
Lab File: BF103558.D
Acq: 9 Mar 2018 15:46

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.3	86.1	129.1
160	46.2	38.3	57.5

Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1





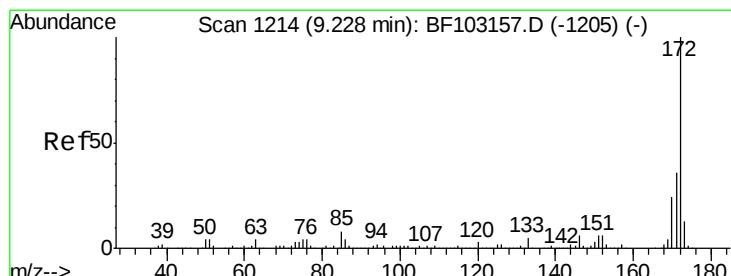
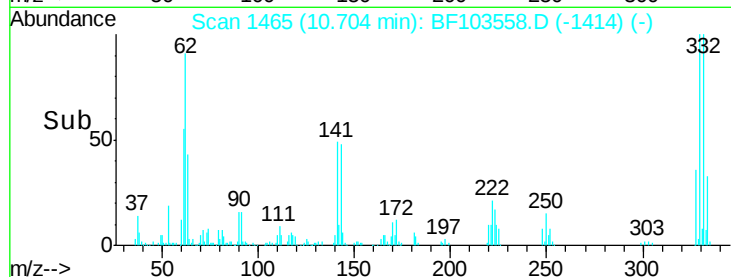
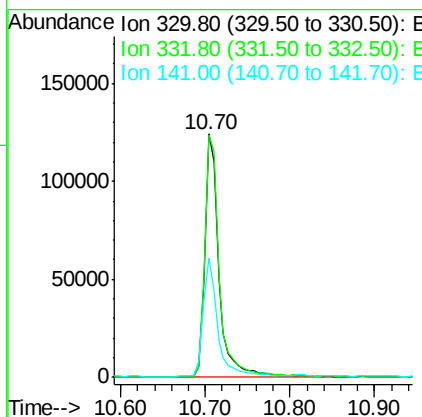
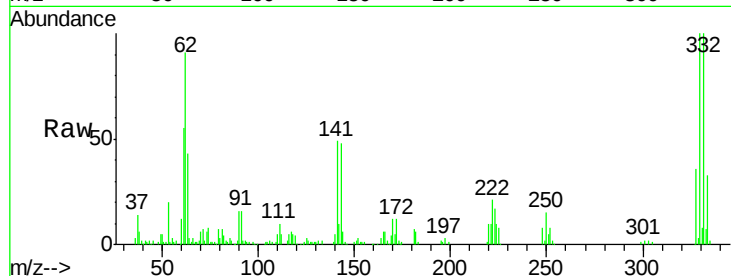
#41
 2,4,6-Tribromophenol
 Concen: 71.188 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: BF103558.D
 Acq: 9 Mar 2018 15:46

Instrument :
 BNA_F
 ClientSampleId :
 SB-12-01-05

Tot Ion	Ratio	Lower	Upper
330	100		
332	101.9	77.0	115.6
141	49.1	29.9	44.9

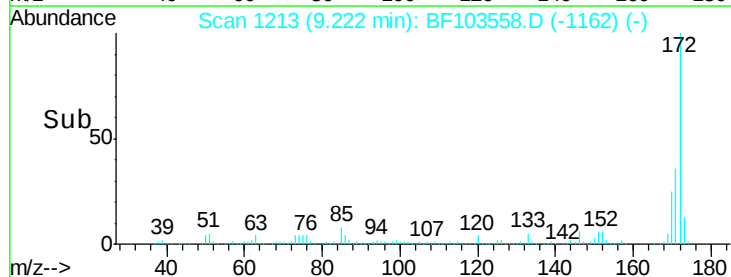
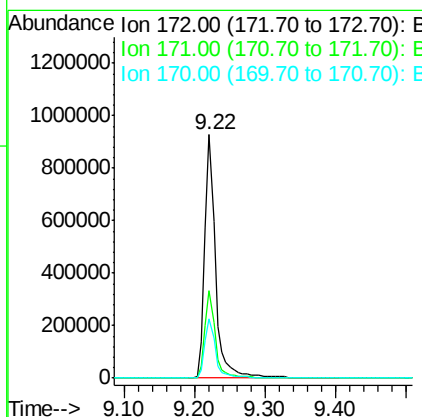
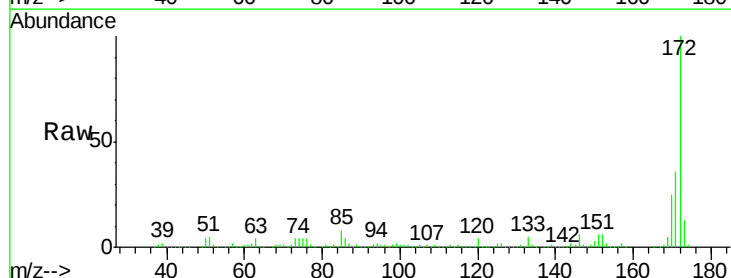
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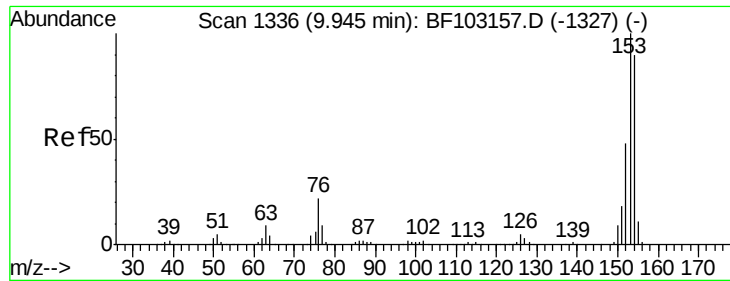
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#44
 2-Fluorobiphenyl
 Concen: 67.272 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. 0.00 min
 Lab File: BF103558.D
 Acq: 9 Mar 2018 15:46

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	24.6	19.6	29.4





#51

Acenaphthene

Concen: 2.324 ng

RT: 9.94 min Scan# 1335

Delta R.T. -0.01 min

Lab File: BF103558.D

Acq: 9 Mar 2018 15:46

Instrument :

BNA_F

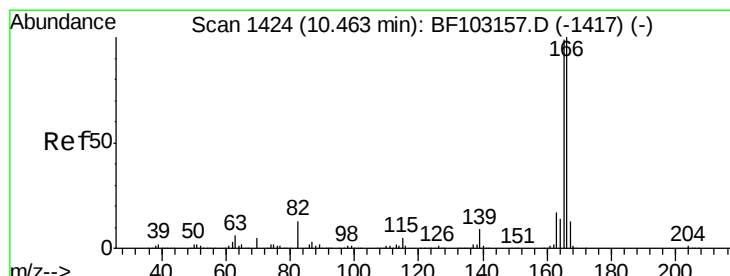
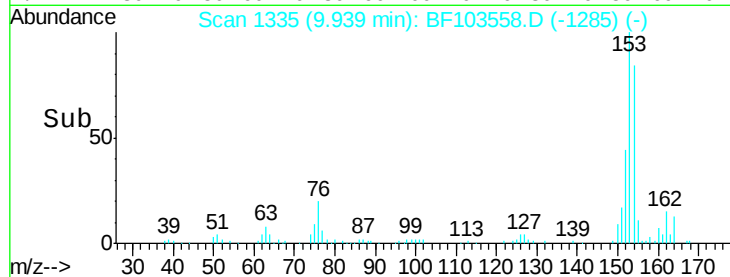
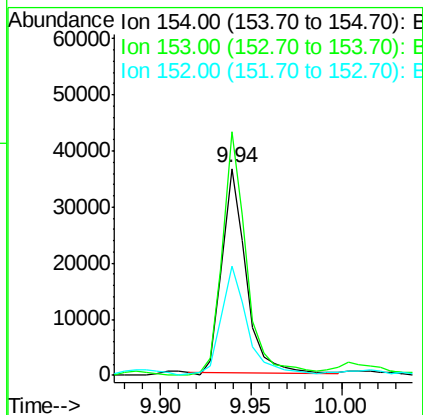
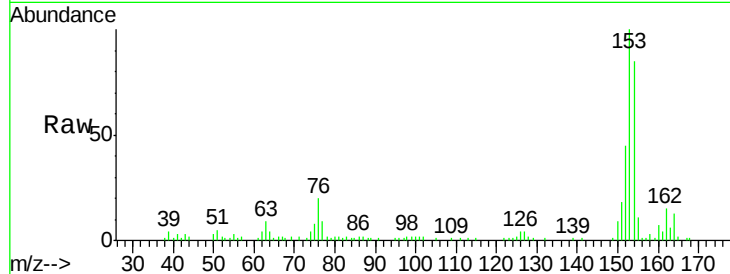
ClientSampleId :

SB-12-01-05

Tot Ion:	154	Resp:	33597
Ion Ratio	Lower	Upper	
154	100		
153	117.8	91.2	136.8
152	53.0	43.8	65.8

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#57

Fluorene

Concen: 2.152 ng

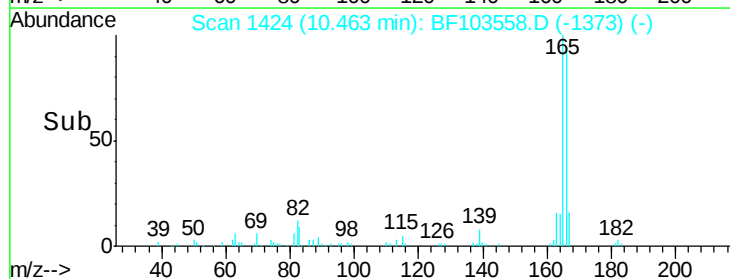
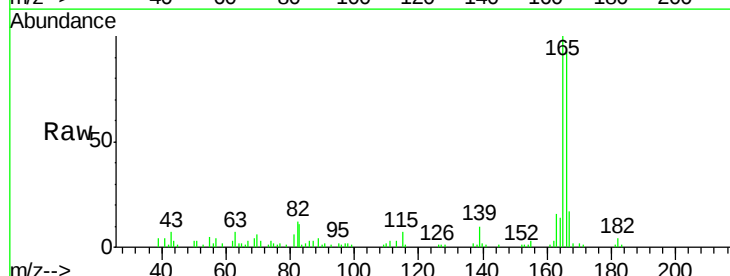
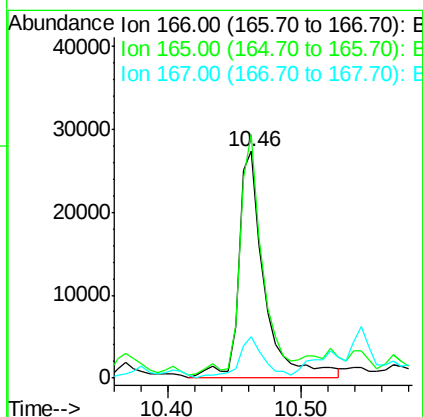
RT: 10.46 min Scan# 1424

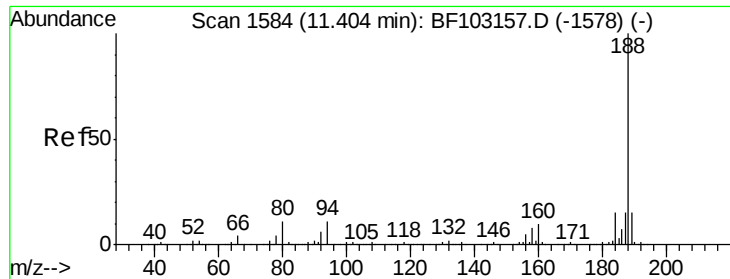
Delta R.T. 0.00 min

Lab File: BF103558.D

Acq: 9 Mar 2018 15:46

Tgt Ion:	166	Resp:	36383
Ion Ratio	Lower	Upper	
166	100		
165	107.4	79.8	119.8
167	18.1	10.6	16.0#





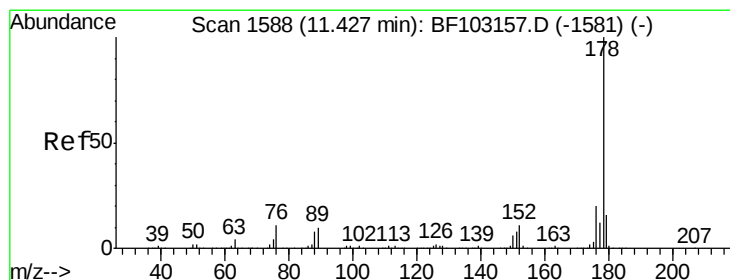
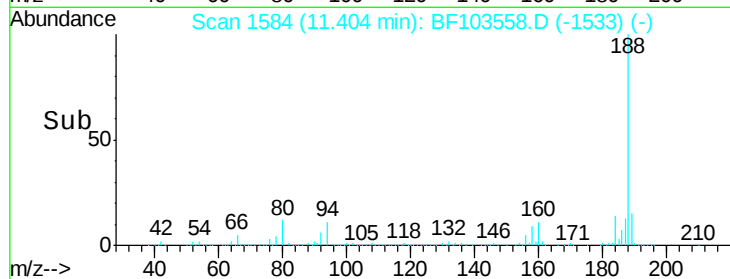
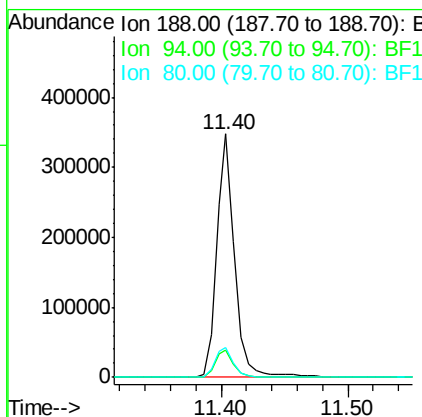
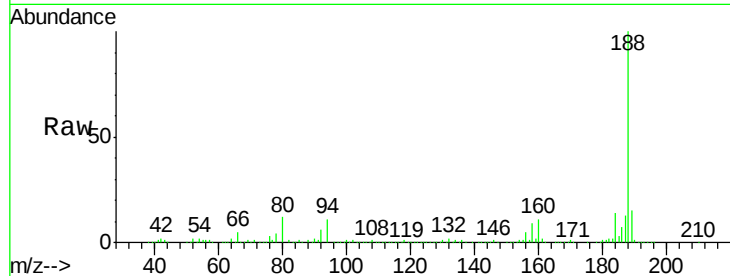
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.00 min
Lab File: BF103558.D
Acq: 9 Mar 2018 15:46

Instrument :
BNA_F
ClientSampleId :
SB-12-01-05

Tot Ion	Ratio	Resp	Lower	Upper
188	100	342301		
94	11.4		8.5	12.7
80	12.5		9.2	13.8

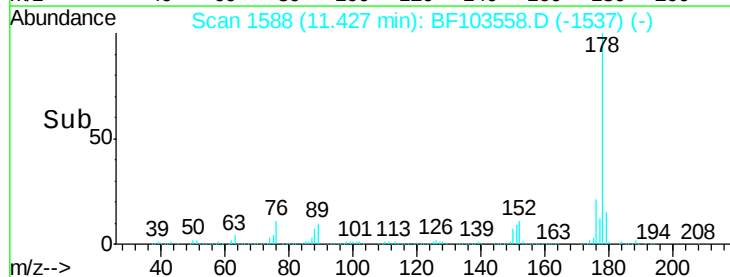
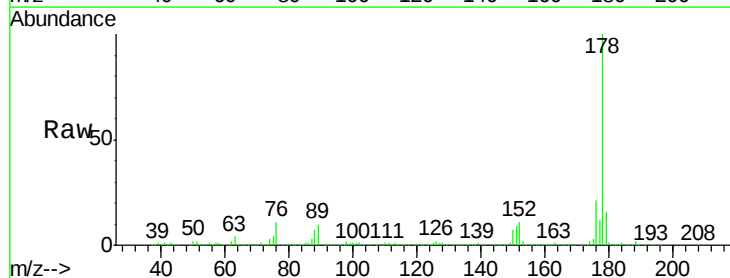
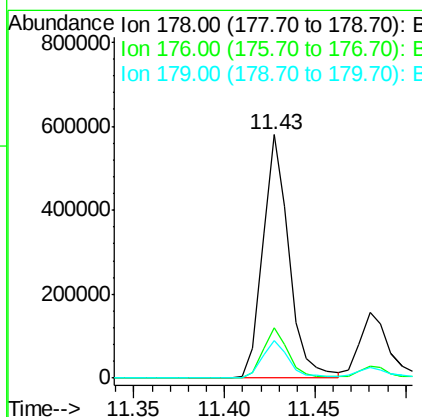
Manual Integrations
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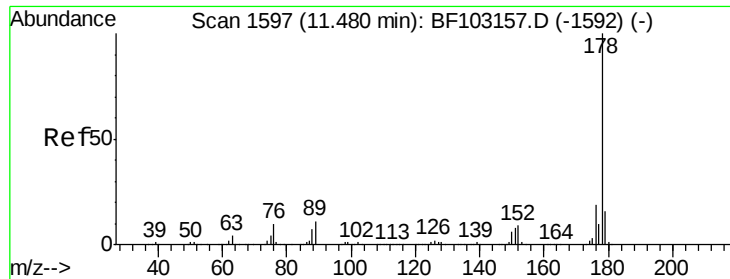
Sohil
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#70
Phenanthrene
Concen: 30.871 ng
RT: 11.43 min Scan# 1588
Delta R.T. 0.00 min
Lab File: BF103558.D
Acq: 9 Mar 2018 15:46

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	581543		
176	20.6		15.8	23.8
179	15.5		13.0	19.6





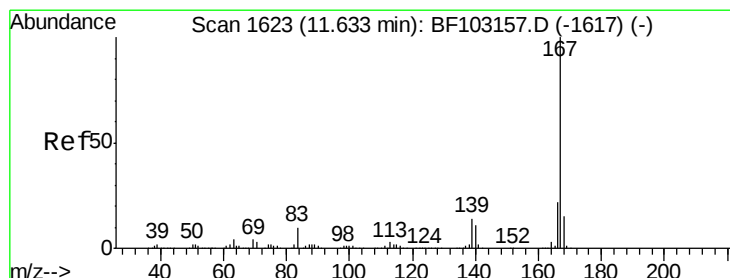
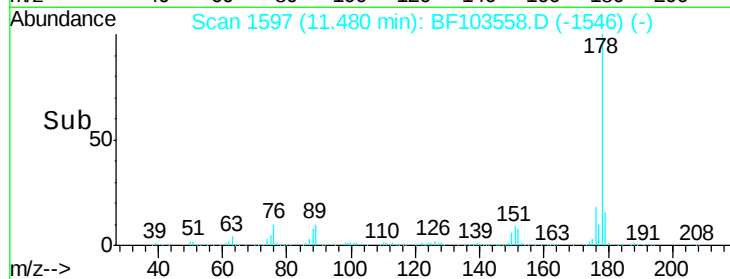
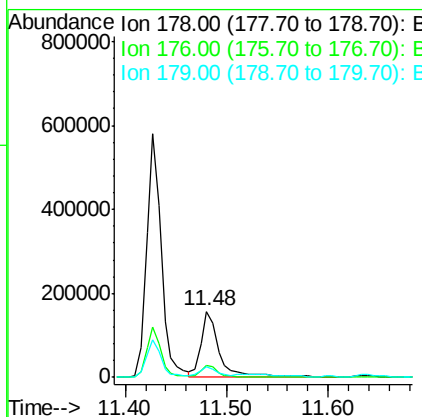
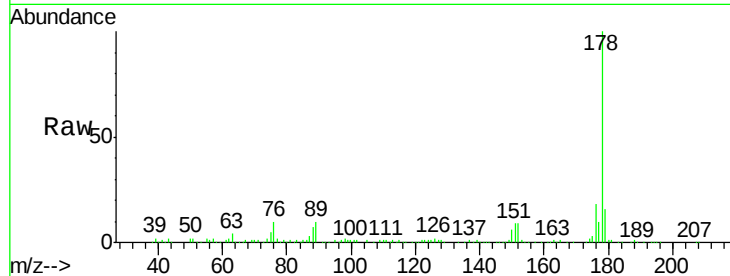
#71
 Anthracene
 Concen: 10.002 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. 0.00 min
 Lab File: BF103558.D
 Acq: 9 Mar 2018 15:46

Instrument :
 BNA_F
 ClientSampleId :
 SB-12-01-05

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.4	23.2
179	16.2	12.6	19.0

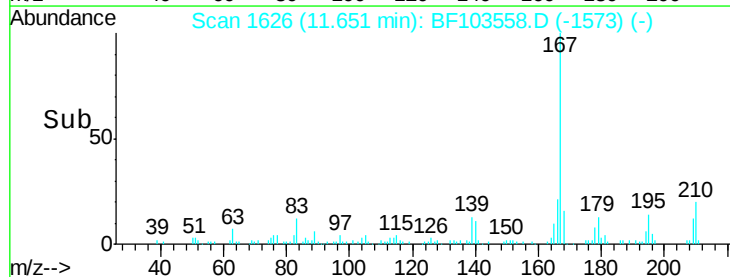
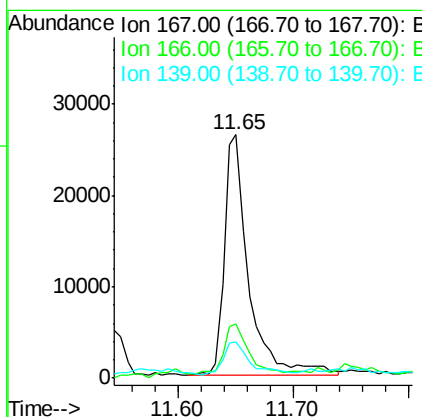
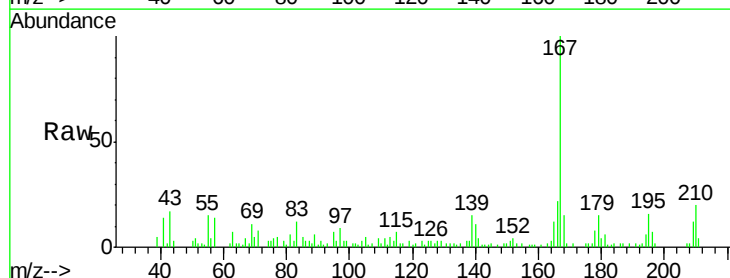
Manual Integrations
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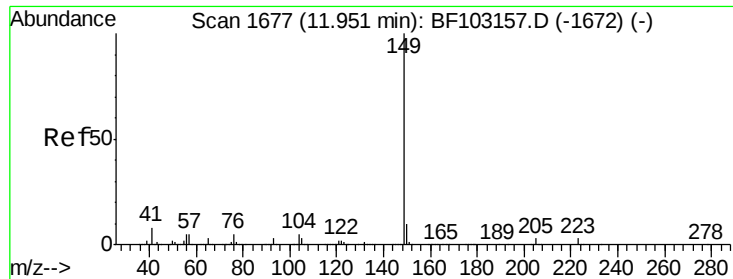
Sohil
 3/12/2018 3:50:16 PM



#72
 Carbazole
 Concen: 2.000 ng
 RT: 11.65 min Scan# 1626
 Delta R.T. 0.01 min
 Lab File: BF103558.D
 Acq: 9 Mar 2018 15:46

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.4	17.6	26.4
139	15.1	10.9	16.3





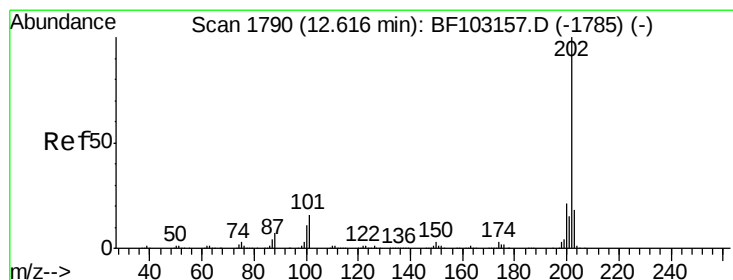
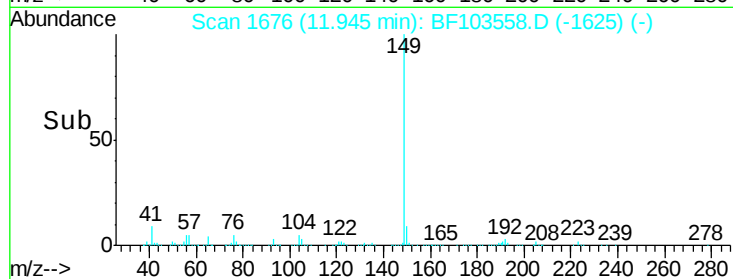
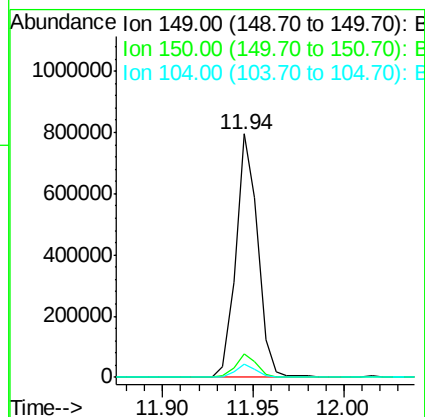
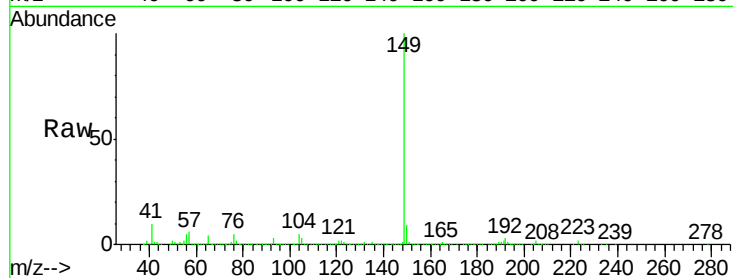
#73
Di-n-butylphthalate
Concen: 27.623 ng
RT: 11.94 min Scan# 1676
Delta R.T. 0.00 min
Lab File: BF103558.D
Acq: 9 Mar 2018 15:46

Instrument :
BNA_F
ClientSampleId :
SB-12-01-05

Tot Ion	Ratio	Resp	Lower	Upper
149	100	664916		
150	9.5		7.8	11.6
104	5.2		3.8	5.8

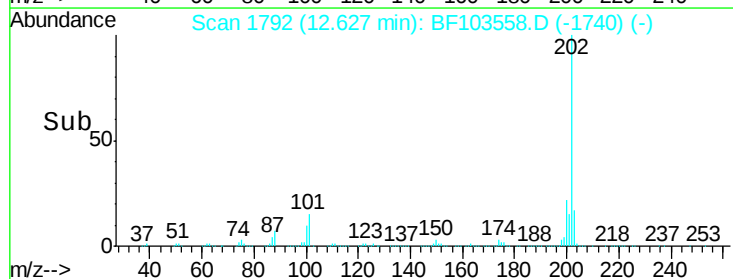
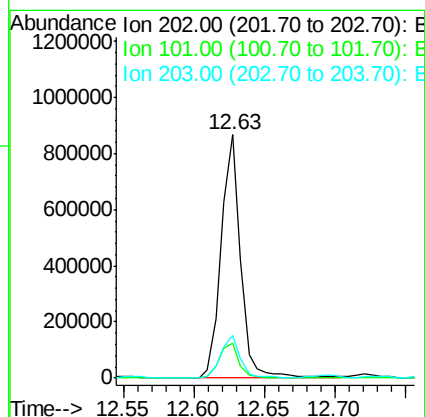
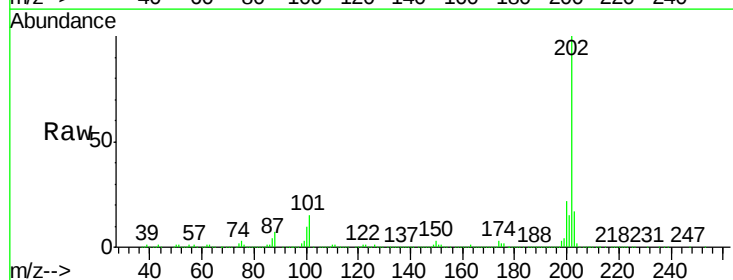
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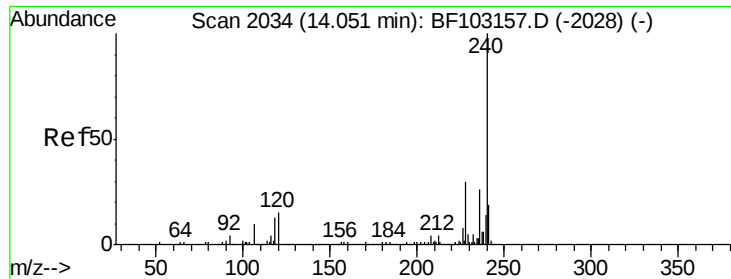
Sohil
3/12/2018 3:50:16 PM



#74
Fluoranthene
Concen: 43.789 ng
RT: 12.63 min Scan# 1792
Delta R.T. 0.01 min
Lab File: BF103558.D
Acq: 9 Mar 2018 15:46

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	828929		
101	14.6		0.0	34.1
203	17.4		0.0	38.1





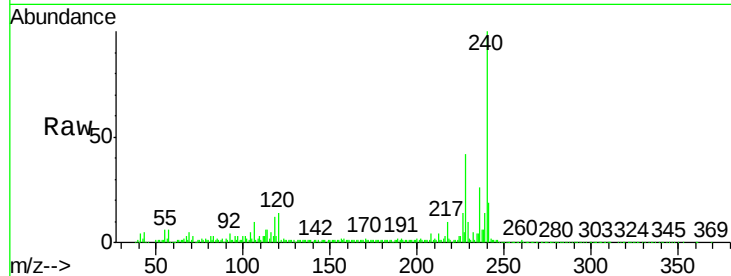
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2036
Delta R.T. 0.00 min
Lab File: BF103558.D
Acq: 9 Mar 2018 15:46

Instrument :
BNA_F
ClientSampleId :
SB-12-01-05

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.0	9.5	14.3
236	26.4	20.7	31.1

Manual Integrations
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3/12/2018 3:50:16 PM

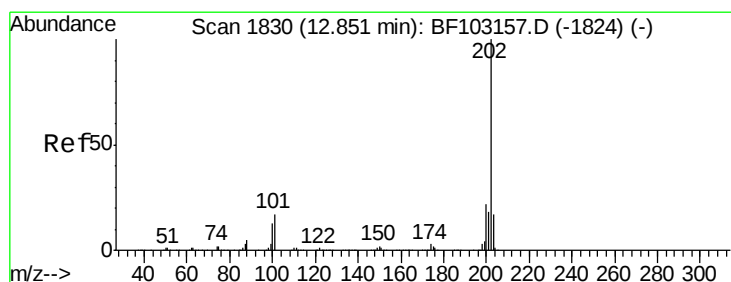
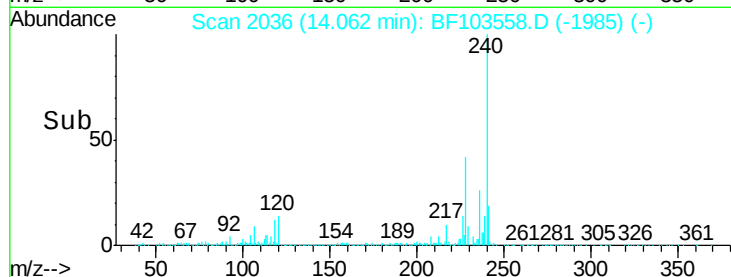
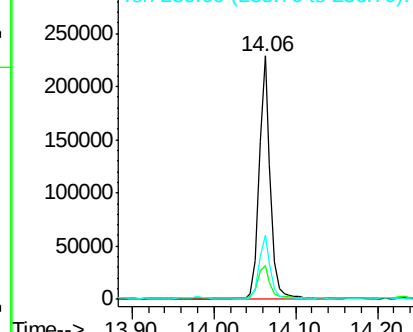


Abundance

Ion 240.00 (239.70 to 240.70): E

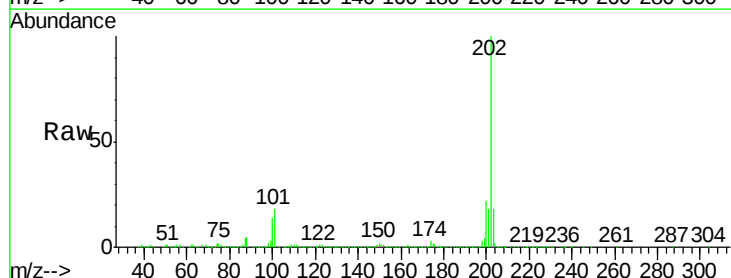
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77
Pyrene
Concen: 49.821 ng
RT: 12.86 min Scan# 1831
Delta R.T. 0.00 min
Lab File: BF103558.D
Acq: 9 Mar 2018 15:46

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.4	26.2
203	17.9	14.3	21.5

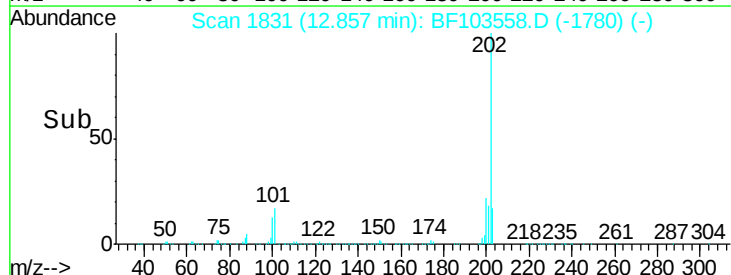
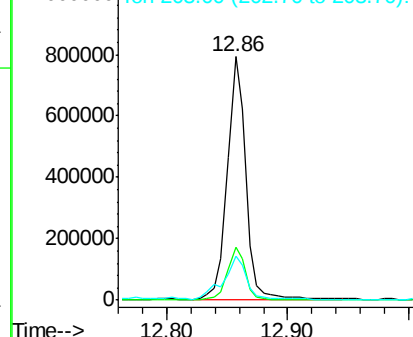


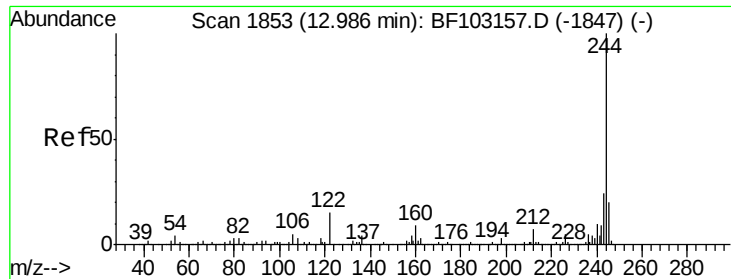
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





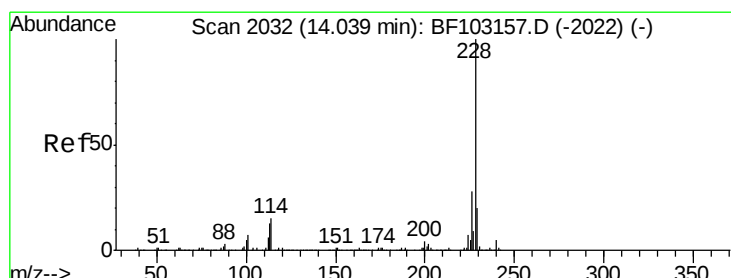
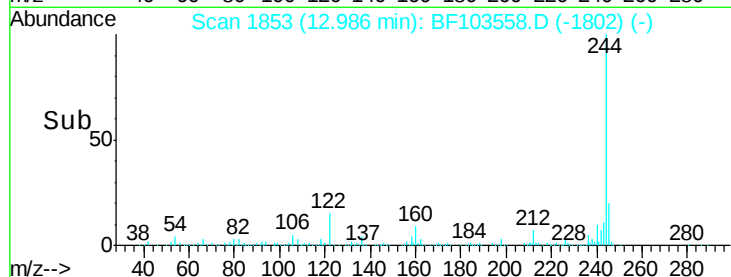
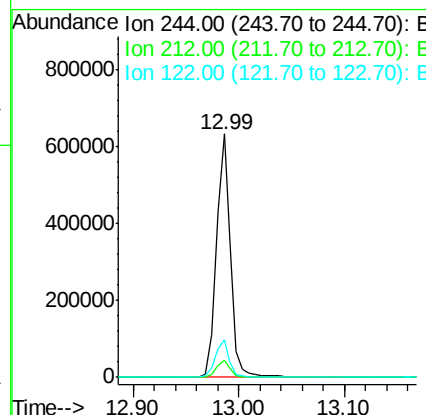
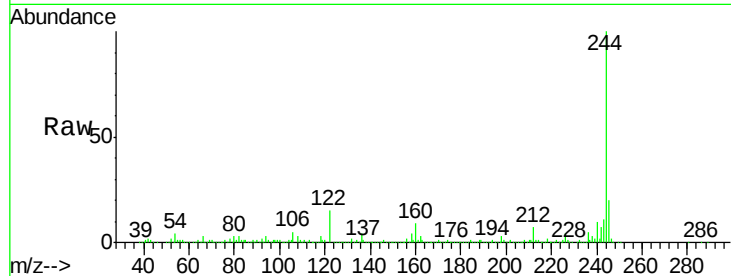
#78
 Terphenyl-d14
 Concen: 66.550 ng
 RT: 12.99 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: BF103558.D
 Acq: 9 Mar 2018 15:46

Instrument :
 BNA_F
 ClientSampleId :
 SB-12-01-05

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	15.3	11.0	16.4

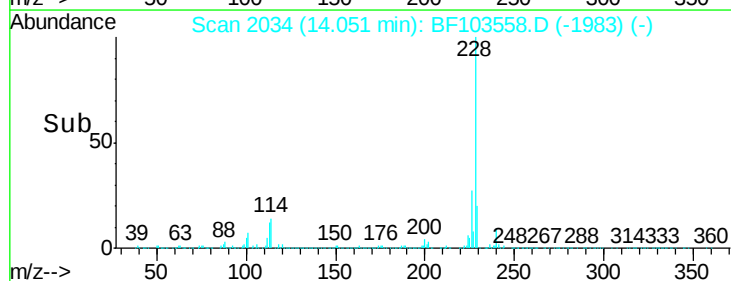
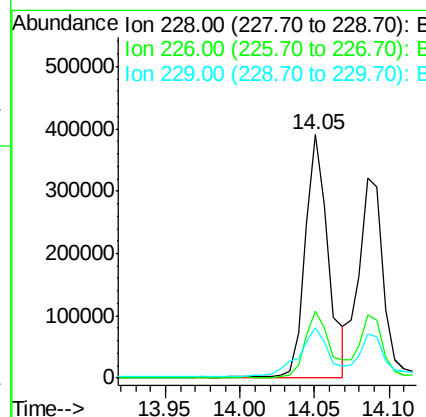
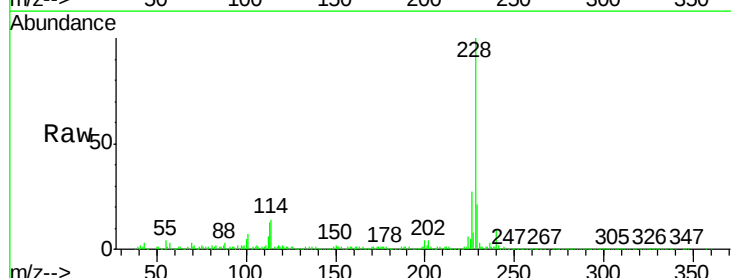
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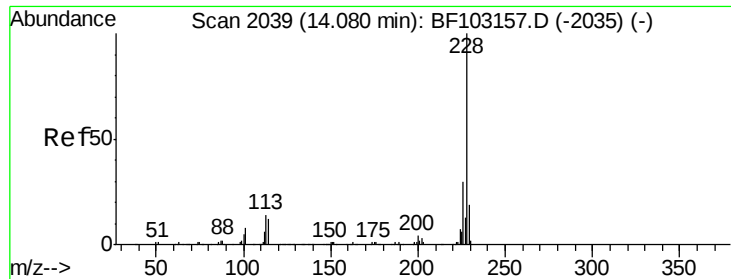
Sohil
 3/12/2018 3:50:16 PM



#80
 Benzo(a)anthracene
 Concen: 29.814 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. 0.00 min
 Lab File: BF103558.D
 Acq: 9 Mar 2018 15:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.6	33.8
229	20.9	15.8	23.6





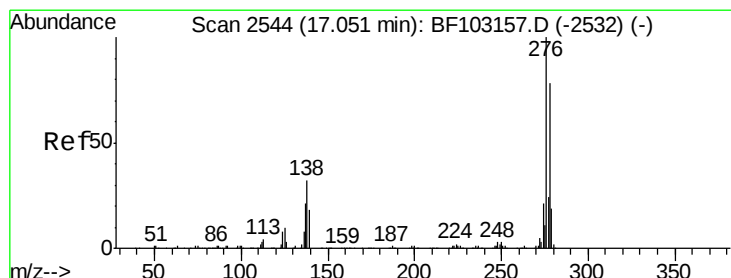
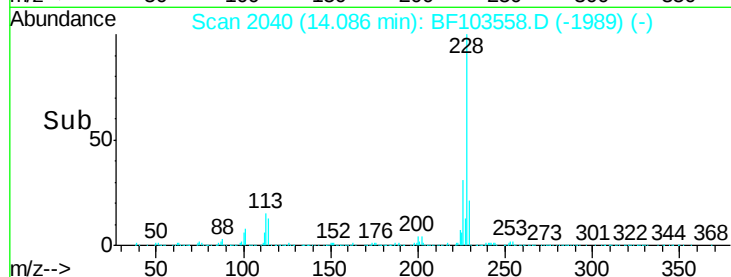
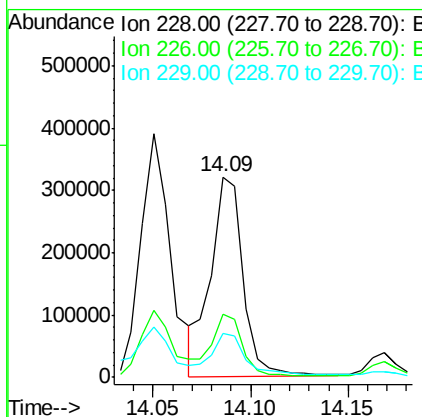
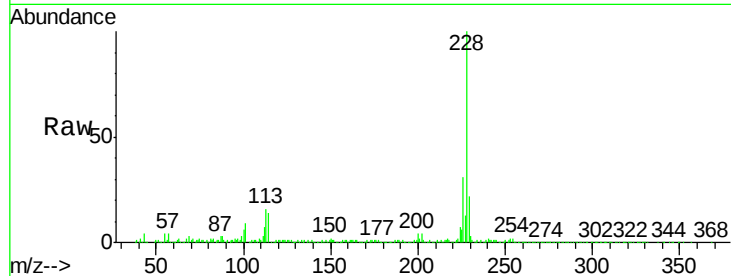
#82
 Chrvsene
 Concen: 27.370 ng
 RT: 14.09 min Scan# 2040
 Delta R.T. 0.00 min
 Lab File: BF103558.D
 Acq: 9 Mar 2018 15:46

Instrument :
 BNA_F
 ClientSampleId :
 SB-12-01-05

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.0	37.6
229	21.9	16.2	24.4

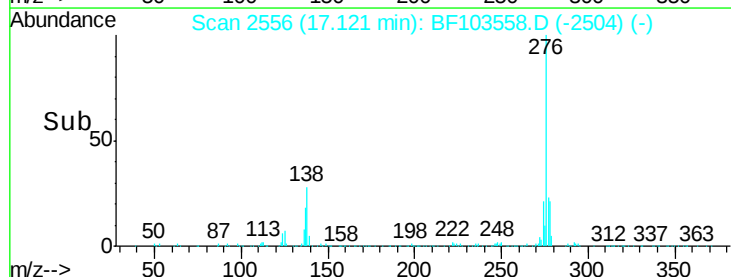
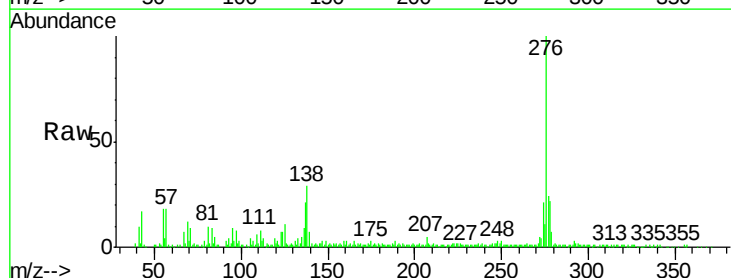
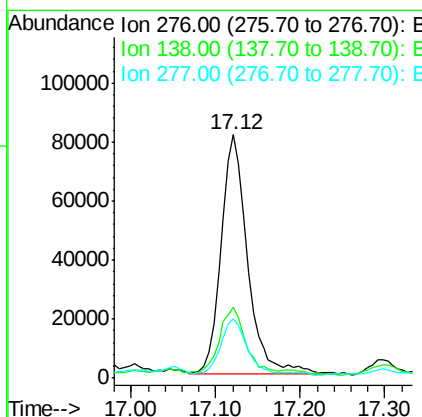
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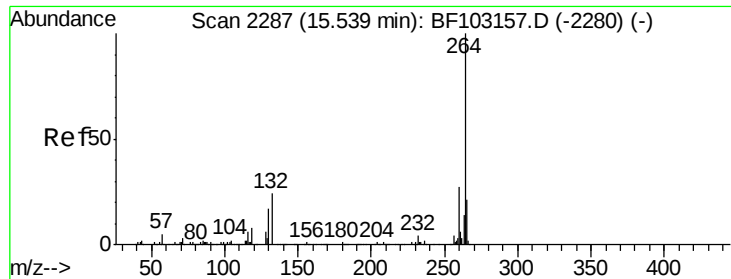
Sohil
 3/12/2018 3:50:16 PM



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 16.515 ng
 RT: 17.12 min Scan# 2556
 Delta R.T. 0.01 min
 Lab File: BF103558.D
 Acq: 9 Mar 2018 15:46

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.8	25.0	37.6
277	21.8	20.1	30.1





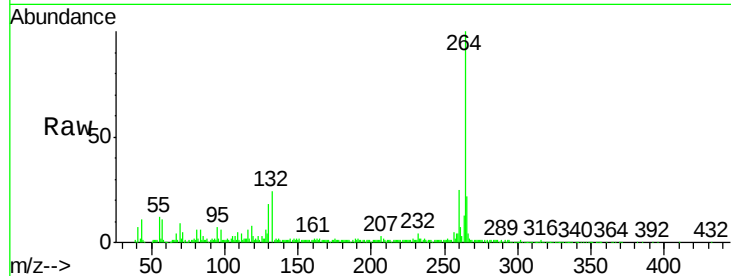
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2293
Delta R.T. 0.01 min
Lab File: BF103558.D
Acq: 9 Mar 2018 15:46

Instrument :
BNA_F
ClientSampleId :
SB-12-01-05

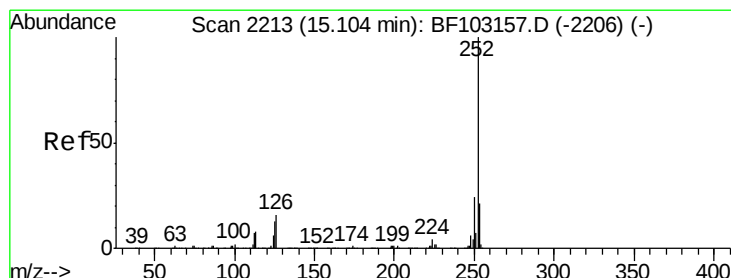
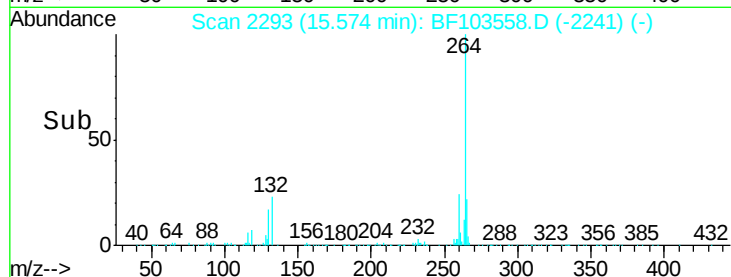
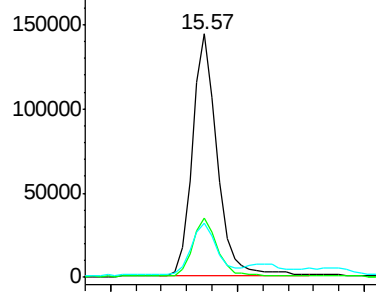
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	22.5	17.5	26.3

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3/12/2018 3:50:16 PM

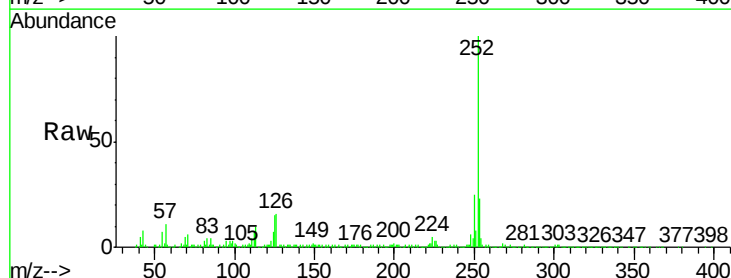


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

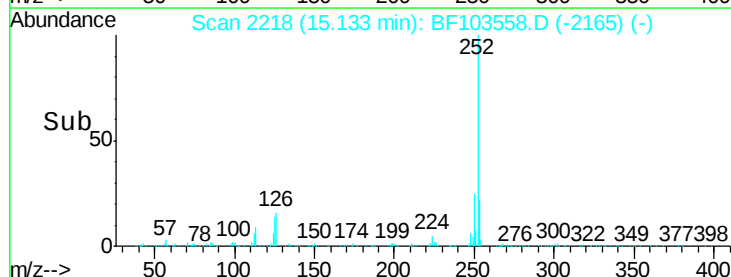
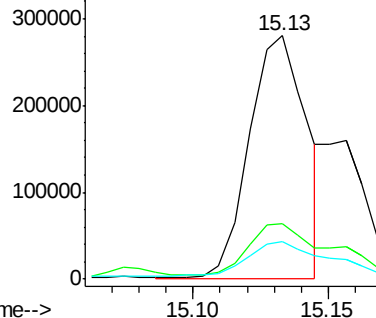


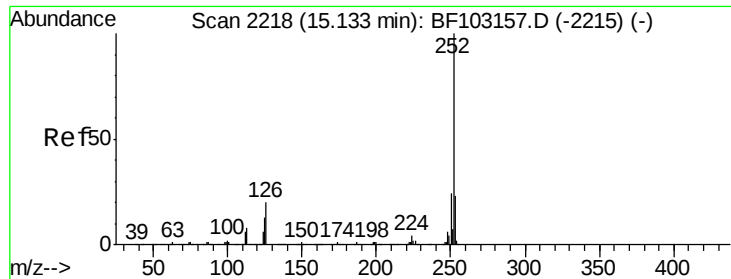
#87
Benzo(b)fluoranthene
Concen: 32.353 ng m
RT: 15.13 min Scan# 2218
Delta R.T. 0.01 min
Lab File: BF103558.D
Acq: 9 Mar 2018 15:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	15.2	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





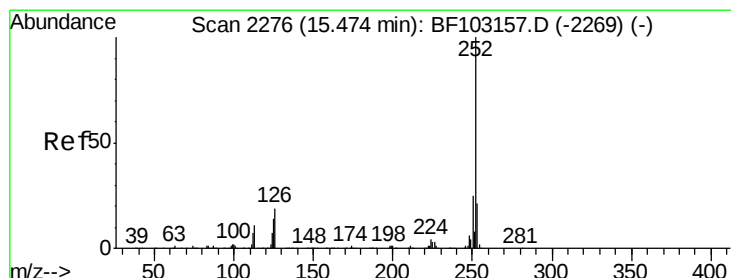
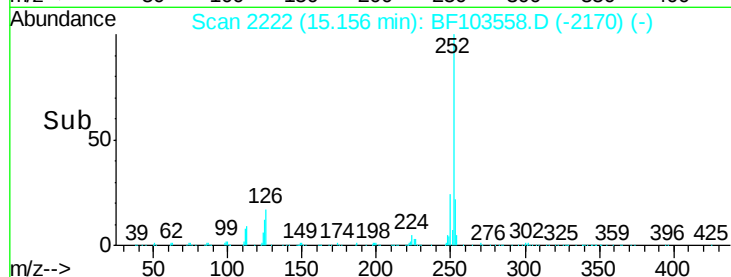
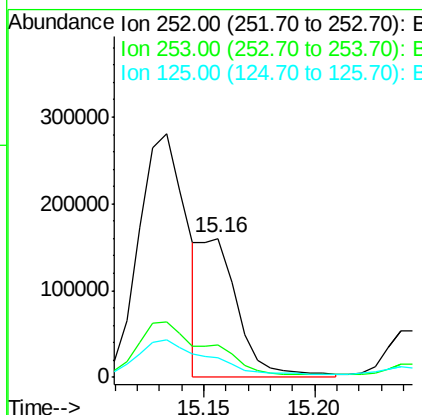
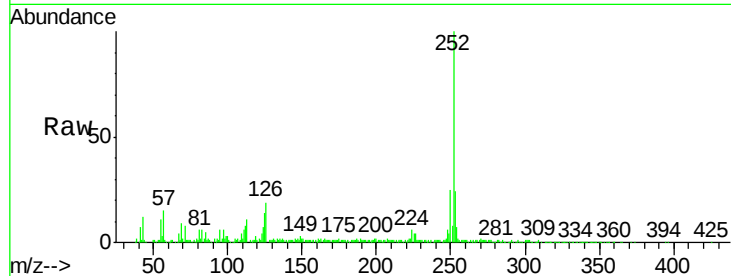
#88
Benzo(k)fluoranthene
Concen: 15.592 ng m
RT: 15.16 min Scan# 2222
Delta R.T. 0.01 min
Lab File: BF103558.D
Acq: 9 Mar 2018 15:46

Instrument :
BNA_F
ClientSampleId :
SB-12-01-05

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.9	26.9
125	14.2	10.2	15.2

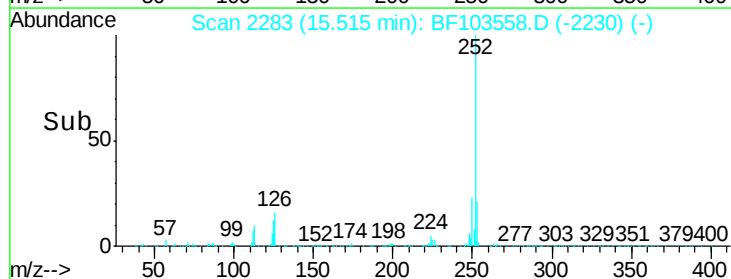
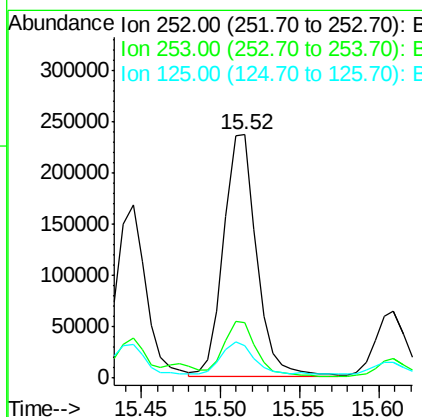
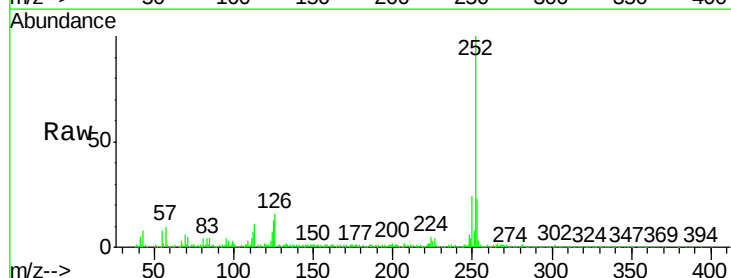
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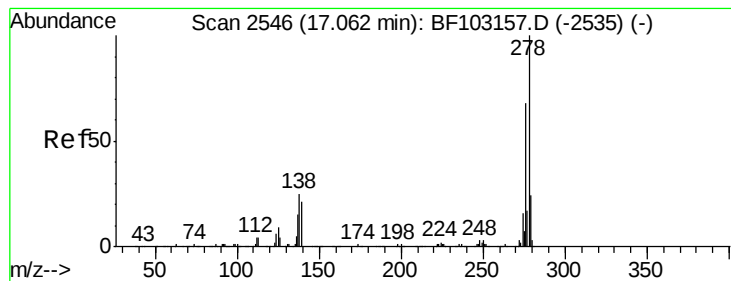
Sohil
3/12/2018 3:50:16 PM



#89
Benzo(a)pyrene
Concen: 29.766 ng
RT: 15.52 min Scan# 2283
Delta R.T. 0.01 min
Lab File: BF103558.D
Acq: 9 Mar 2018 15:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.1	25.7
125	13.2	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 4.558 ng

RT: 17.12 min Scan# 2555

Delta R.T. 0.00 min

Lab File: BF103558.D

Acq: 9 Mar 2018 15:46

Instrument :

BNA_F

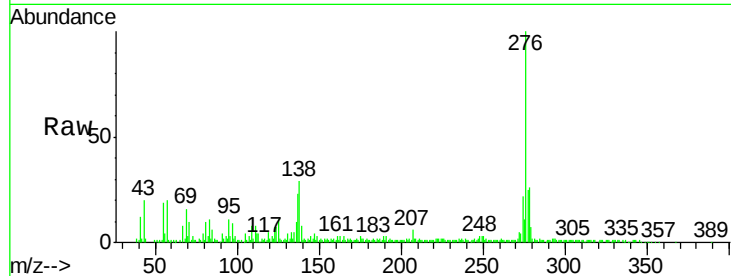
ClientSampleId :

SB-12-01-05

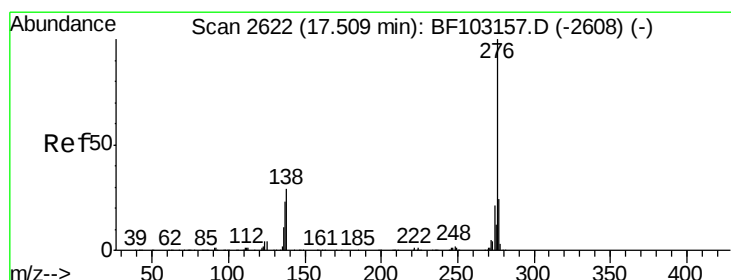
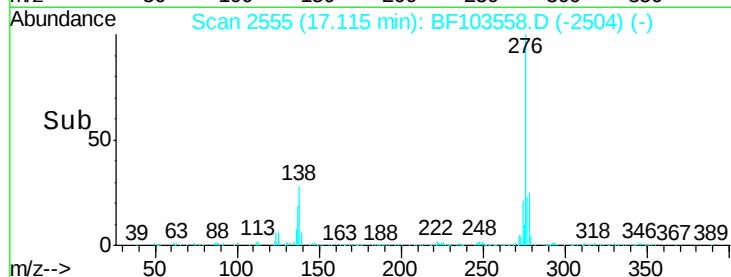
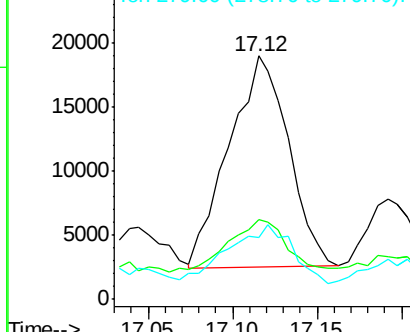
Tot Ion:278	Resp:	40463
Ion Ratio	Lower	Upper
278	100	
139	32.6	15.9 23.9#
279	25.4	19.0 28.4

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Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 18.487 ng

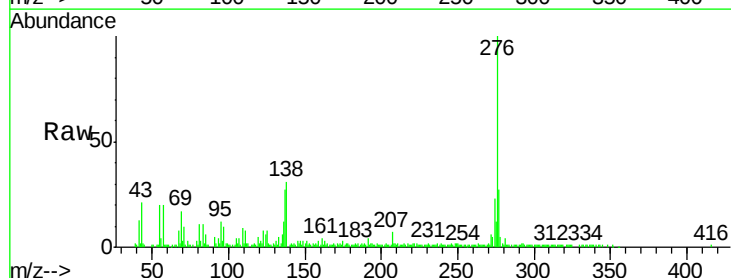
RT: 17.59 min Scan# 2636

Delta R.T. 0.01 min

Lab File: BF103558.D

Acq: 9 Mar 2018 15:46

Tgt Ion:276	Resp:	160411
Ion Ratio	Lower	Upper
276	100	
277	26.9	17.9 26.9
138	30.9	21.8 32.8



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

