

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF032018\
 Data File : BF103820.D
 Acq On : 20 Mar 2018 23:14
 Operator : JU/SJ
 Sample : J1979-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1

Manual Integrations
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 3/22/2018 12:57:54 PM

Quant Time: Mar 21 03:10:49 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 15 18:31:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	142168	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	558752	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	274244	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	393928	20.00	ng	0.01
75) Chrysene-d12	14.16	240	271946	20.00	ng	0.00
86) Perylene-d12	15.70	264	237209	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	1130926	120.99	ng	0.02
7) Phenol-d6	6.60	99	1395011	121.99	ng	0.01
23) Nitrobenzene-d5	7.54	82	908261	113.36	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	303747	128.82	ng	0.01
44) 2-Fluorobiphenyl	9.33	172	1218892	70.90	ng	0.00
78) Terphenyl-d14	13.10	244	891154	76.06	ng	0.01
Target Compounds						Qvalue
31) Naphthalene	8.27	128	79249	2.808	ng	98
49) Dimethylphthalate	9.72	163	202452	9.676	ng	100
51) Acenaphthene	10.05	154	92756	5.546	ng	99
54) Dibenzofuran	10.22	168	62456	2.615	ng	99
57) Fluorene	10.56	166	69902	3.772	ng	97
70) Phenanthrene	11.53	178	459969	21.346	ng	98
71) Anthracene	11.58	178	105071	4.801	ng	97
72) Carbazole	11.73	167	56948	2.677	ng	99
74) Fluoranthene	12.73	202	415748	18.727	ng	97
77) Pyrene	12.96	202	335628	16.805	ng	99
80) Benzo(a)anthracene	14.15	228	163468	9.496	ng	99
82) Chrysene	14.19	228	147691	9.000	ng	98
85) Indeno(1,2,3-cd)pyrene	17.27	276	57086	3.984	ng	# 91
87) Benzo(b)fluoranthene	15.24	252	156661m	10.454	ng	
88) Benzo(k)fluoranthene	15.27	252	63324m	4.396	ng	
89) Benzo(a)pyrene	15.63	252	112299	8.262	ng	# 96
91) Benzo(a,h,i)perylene	17.75	276	49380	4.313	ng	# 92

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

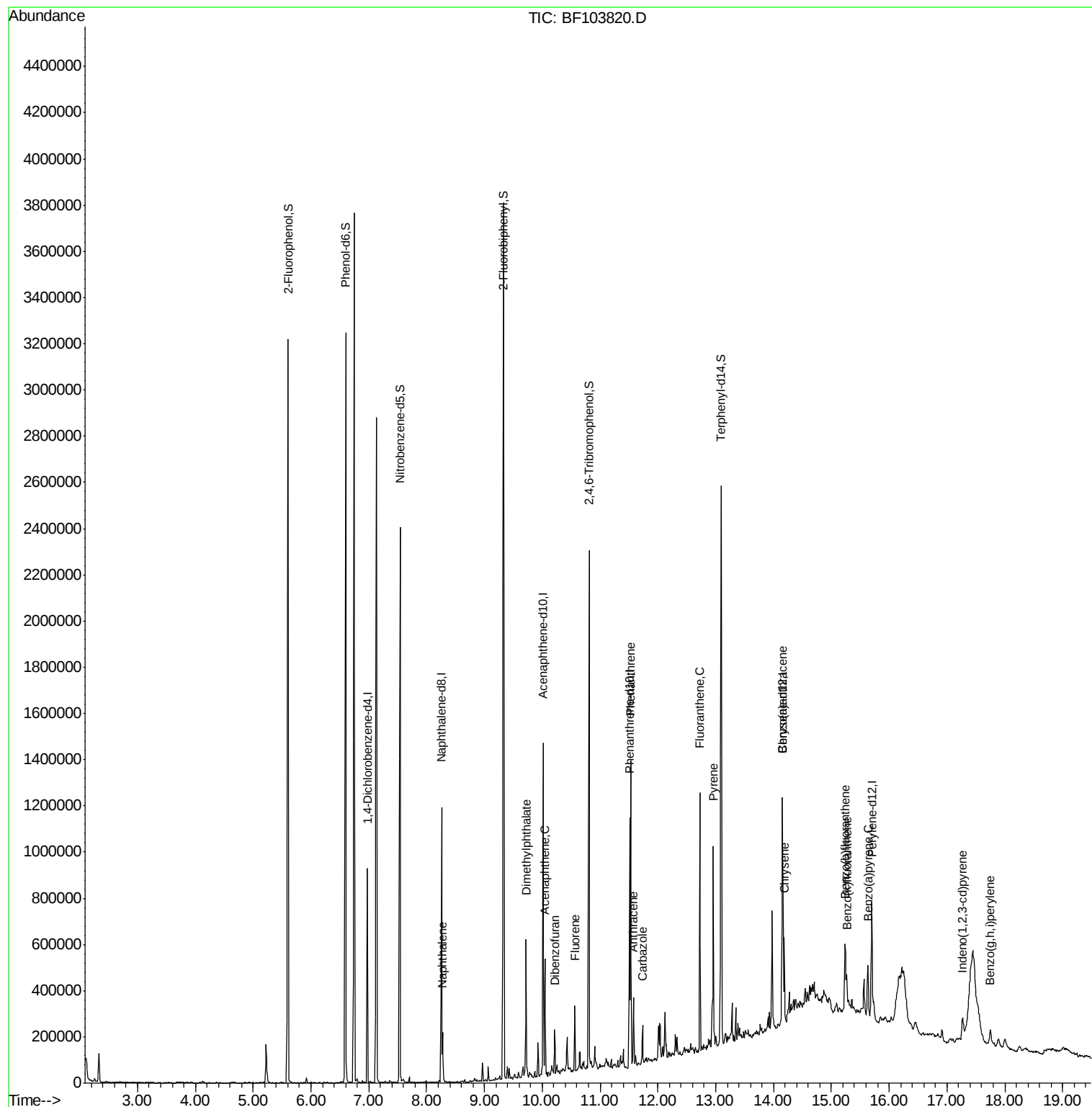
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF032018\
Data File : BF103820.D
Acq On : 20 Mar 2018 23:14
Operator : JU/SJ
Sample : J1979-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

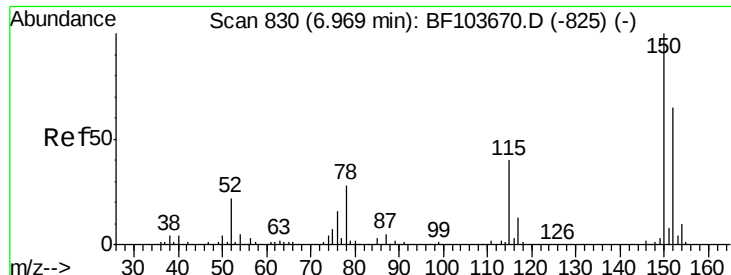
Instrument :
BNA_F
ClientSampleId :
SP-1

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#1

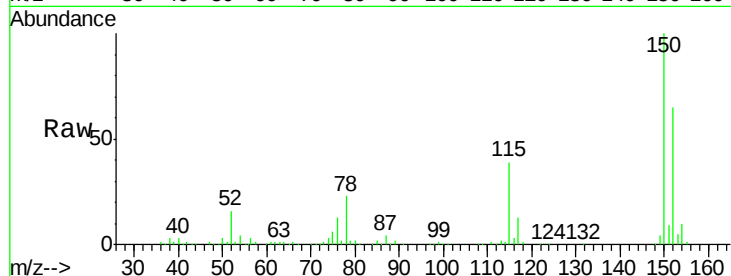
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. 0.01 min
Lab File: BF103820.D
Acq: 20 Mar 2018 23:14

Instrument :
BNA_F
ClientSampleId :
SP-1

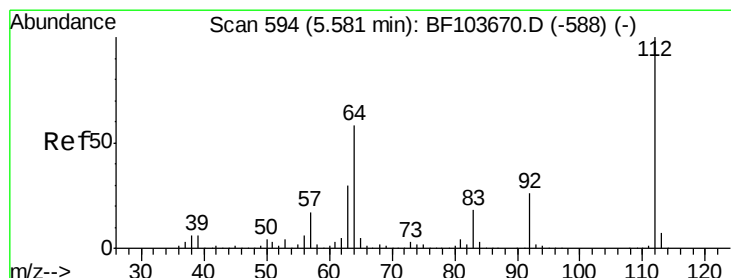
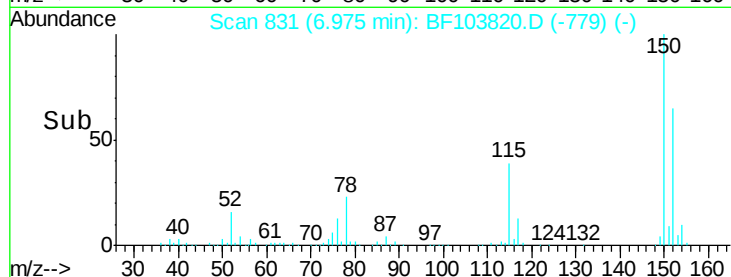
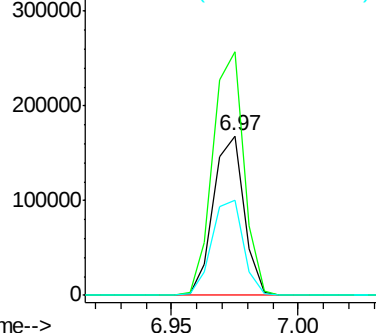
Tot Ion	Ratio	Lower	Upper
152	100		
150	152.7	124.6	186.8
115	59.8	50.1	75.1

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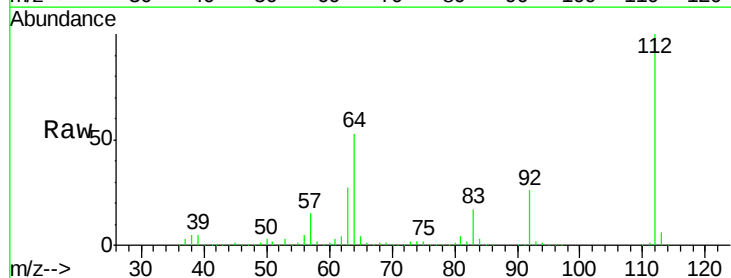
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



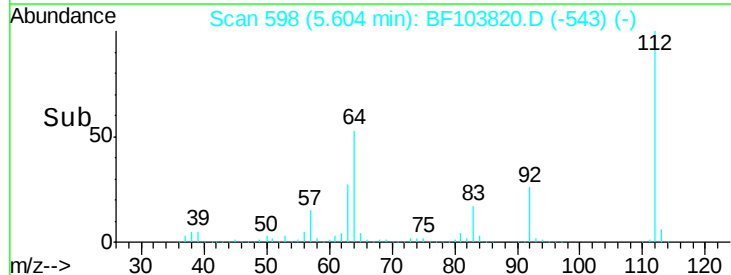
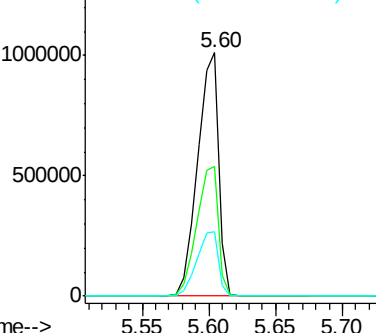
#5

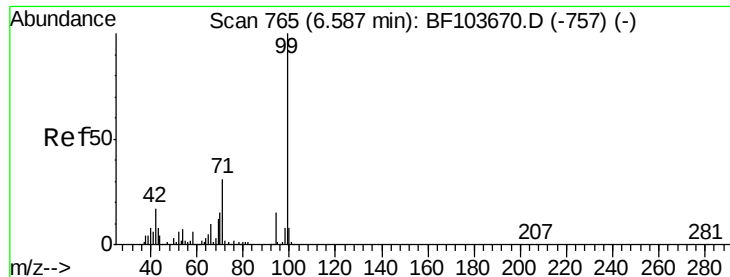
2-Fluorophenol
Concen: 120.993 ng
RT: 5.60 min Scan# 598
Delta R.T. 0.02 min
Lab File: BF103820.D
Acq: 20 Mar 2018 23:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.3	47.9	71.9
63	26.6	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: 121.990 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.01 min

Lab File: BF103820.D

Acq: 20 Mar 2018 23:14

Instrument :

BNA_F

ClientSampleId :

SP-1

Tot Ion: 99 Resp: 1395011

Ion Ratio Lower Upper

99 100

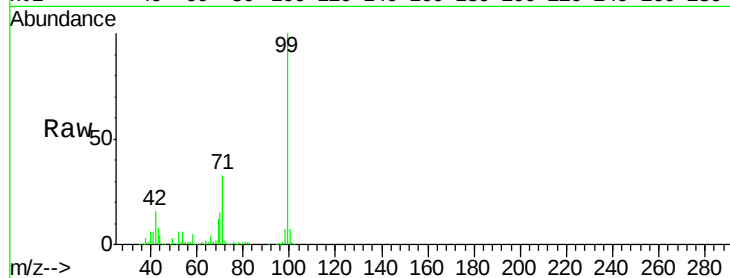
42 15.5 14.5 21.7

71 32.9 25.4 38.0

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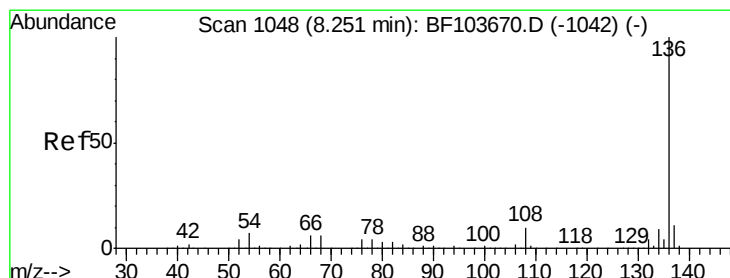
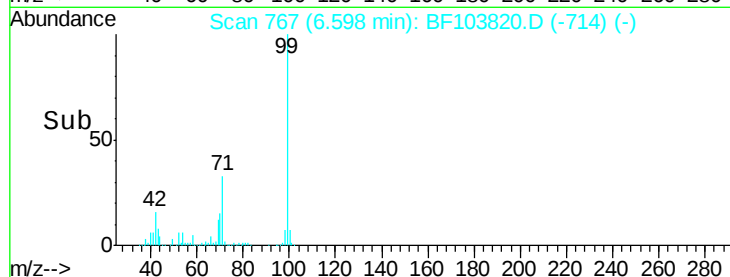
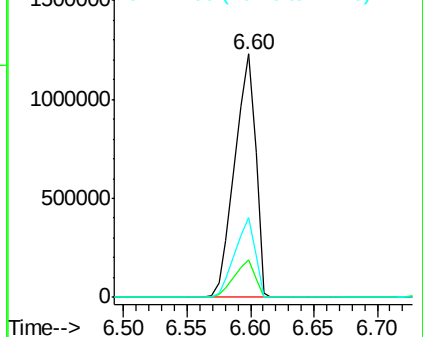
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Abundance Ion 99.00 (98.70 to 99.70): BF1

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: 8.26 min Scan# 1049

Delta R.T. 0.01 min

Lab File: BF103820.D

Acq: 20 Mar 2018 23:14

Tgt Ion: 136 Resp: 558752

Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 6.1 6.6 9.8#

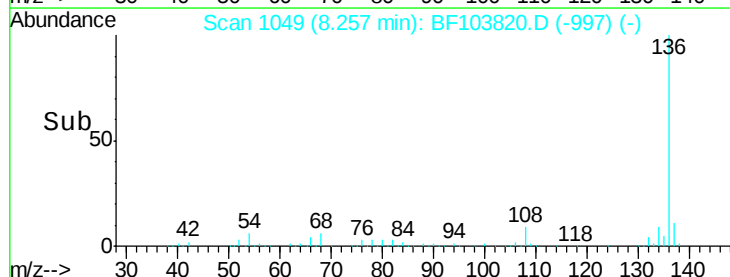
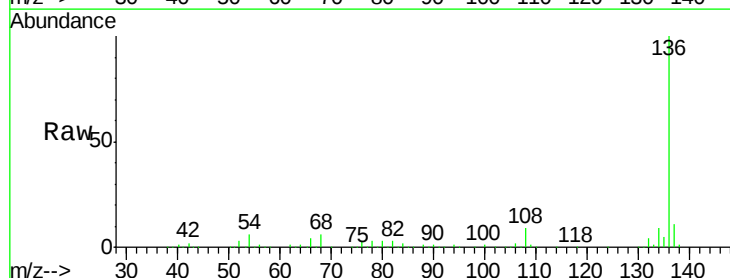
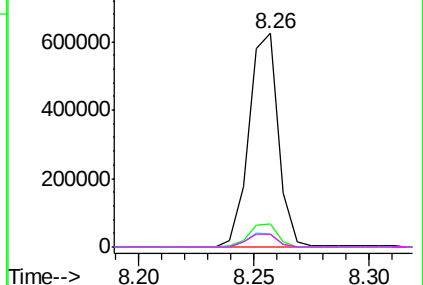
68 5.7 5.0 7.4

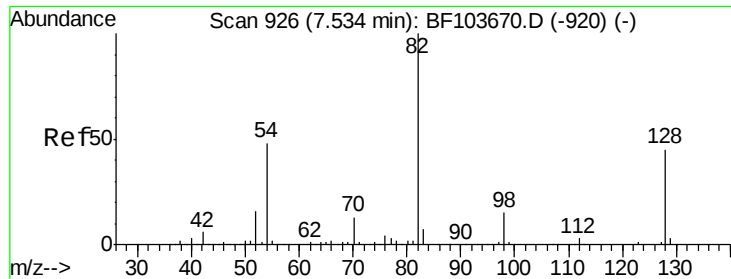
Abundance Ion 136.00 (135.70 to 136.70): E

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





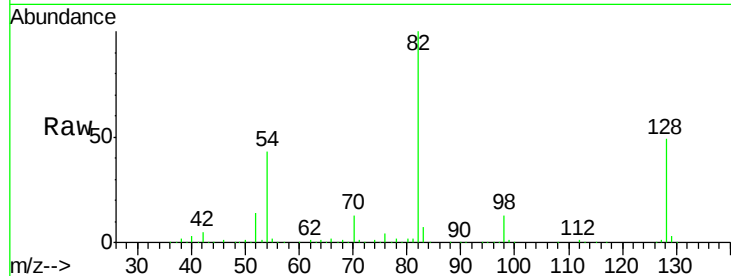
#23
Nitrobenzene-d5
Concen: 113.357 ng
RT: 7.54 min Scan# 927
Delta R.T. 0.01 min
Lab File: BF103820.D
Acq: 20 Mar 2018 23:14

Instrument :
BNA_F
ClientSampled :
SP-1

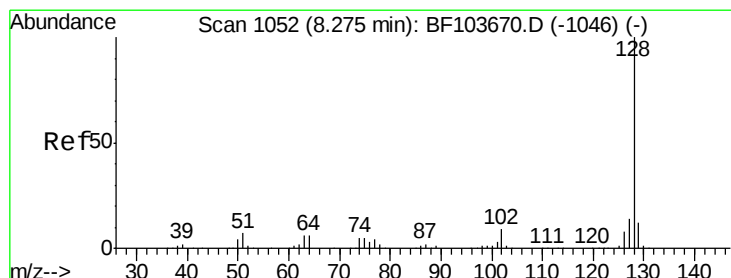
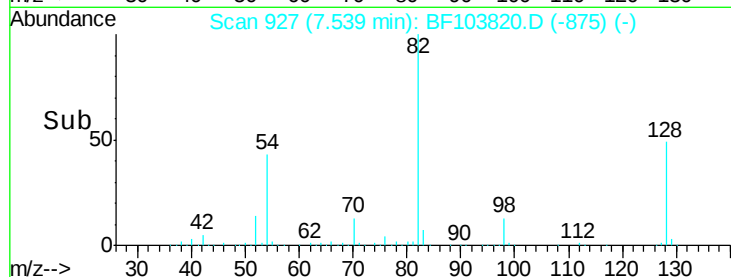
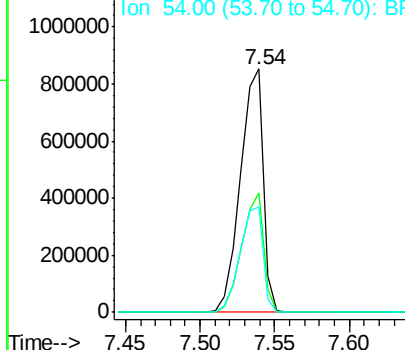
Tot Ion	Ratio	Lower	Upper
82	100		
128	49.1	36.1	54.1
54	43.0	41.4	62.2

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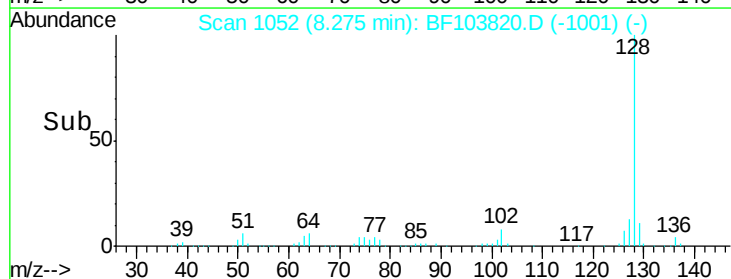
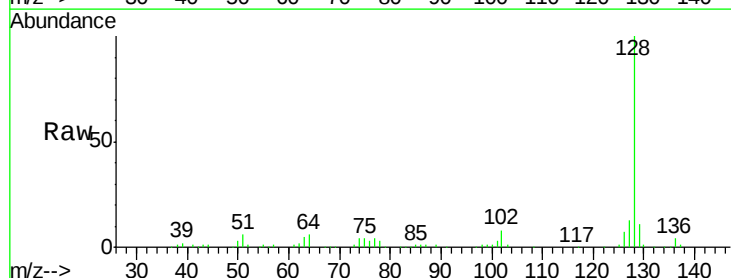
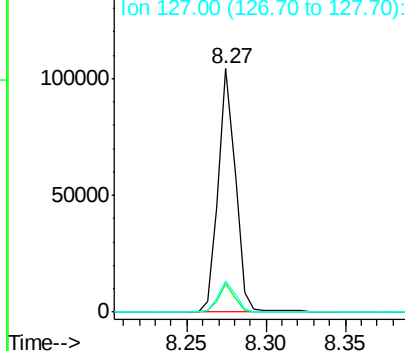
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

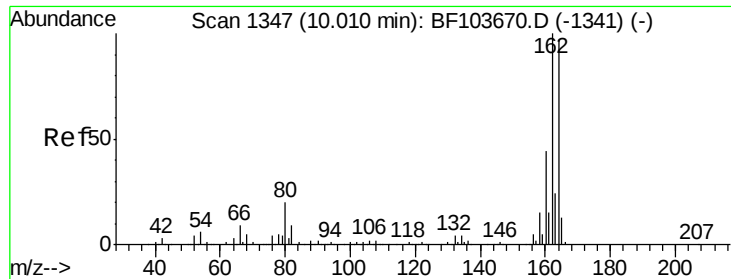


#31
Naphthalene
Concen: 2.808 ng
RT: 8.27 min Scan# 1052
Delta R.T. 0.00 min
Lab File: BF103820.D
Acq: 20 Mar 2018 23:14

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.8	13.2
127	12.7	10.9	16.3

Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





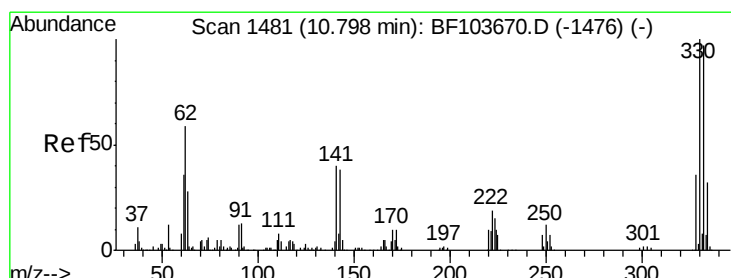
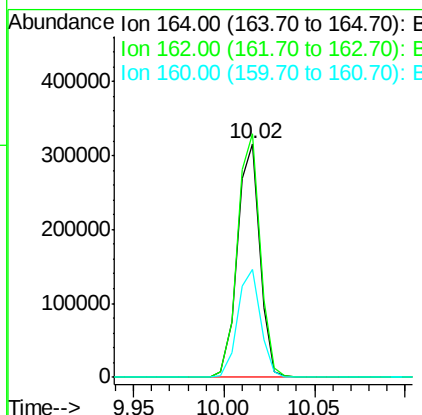
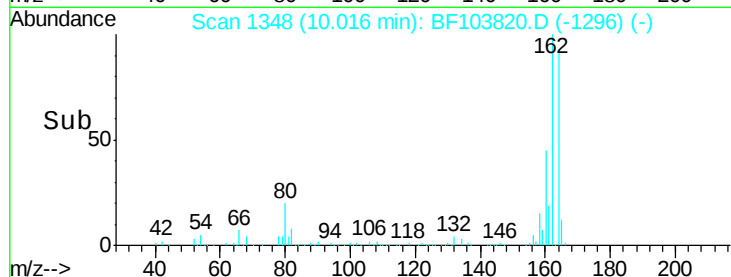
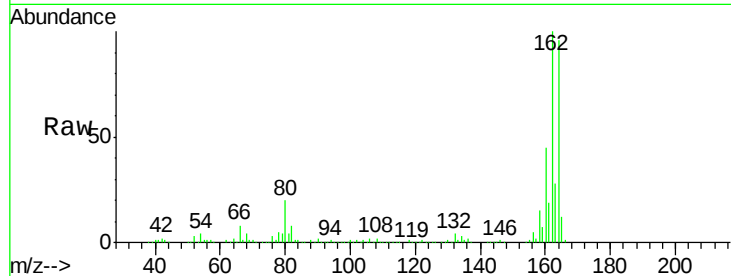
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1348
Delta R.T. 0.01 min
Lab File: BF103820.D
Acq: 20 Mar 2018 23:14

Instrument :
BNA_F
ClientSampled :
SP-1

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.0	86.1	129.1
160	46.3	38.3	57.5

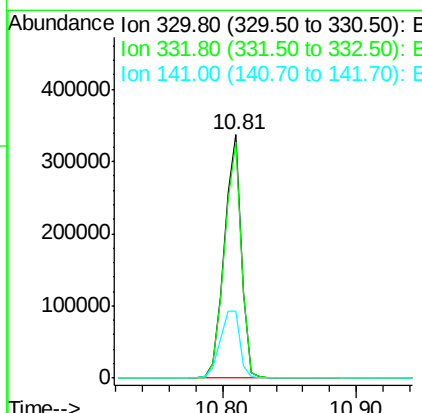
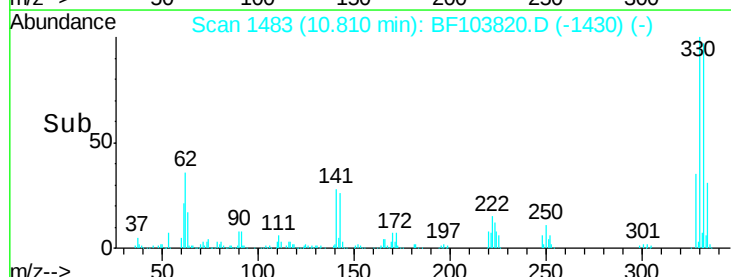
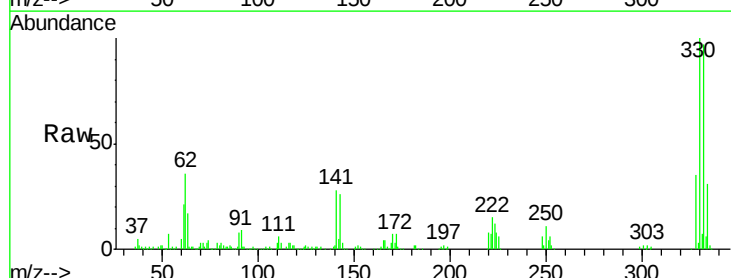
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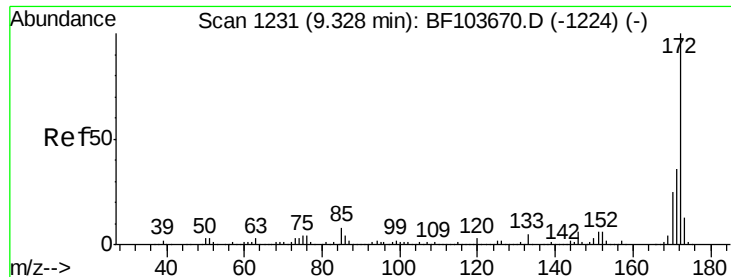
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#41
2,4,6-Tribromophenol
Concen: 128.817 ng
RT: 10.81 min Scan# 1483
Delta R.T. 0.01 min
Lab File: BF103820.D
Acq: 20 Mar 2018 23:14

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.0	115.6
141	32.7	29.9	44.9





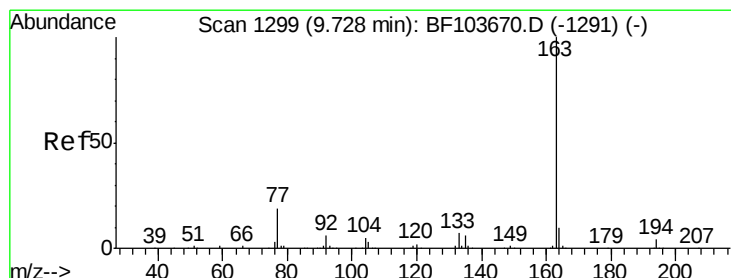
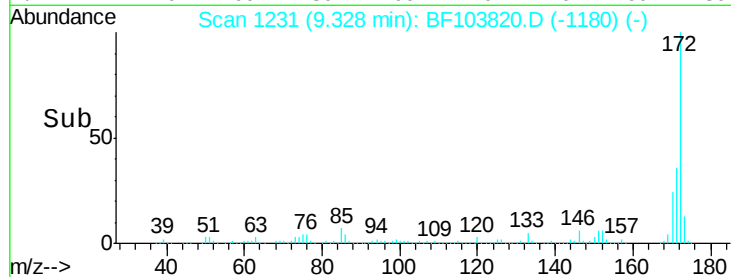
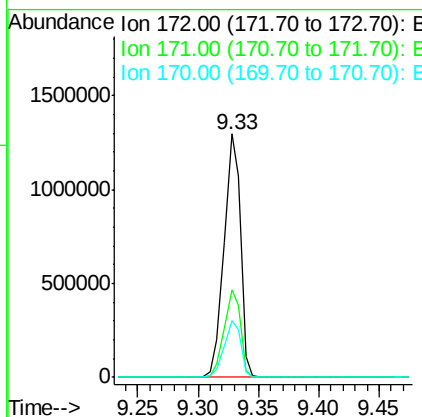
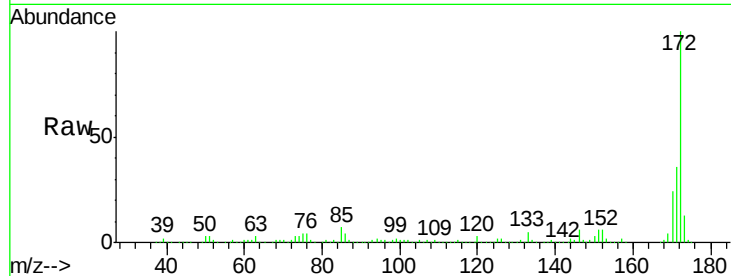
#44
2-Fluorobiphenyl
Concen: 70.897 ng
RT: 9.33 min Scan# 1231
Delta R.T. 0.00 min
Lab File: BF103820.D
Acq: 20 Mar 2018 23:14

Instrument :
BNA_F
ClientSampleId :
SP-1

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.7	44.5
170	23.6	19.6	29.4

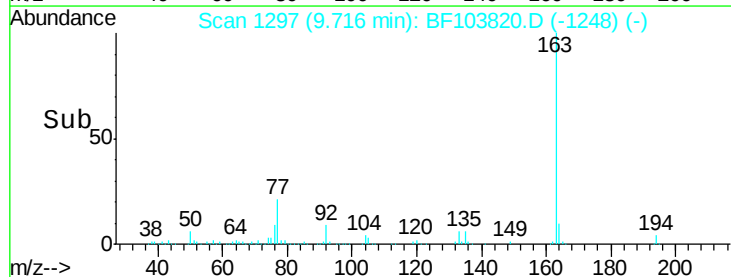
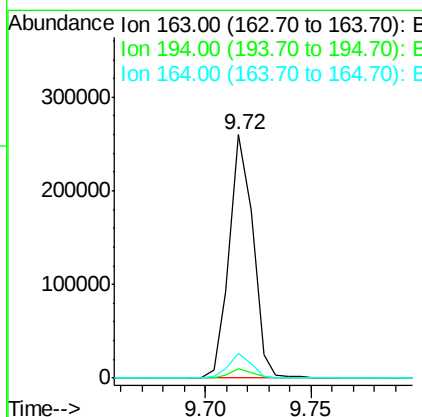
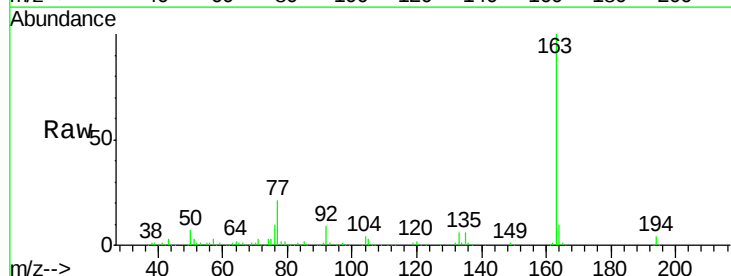
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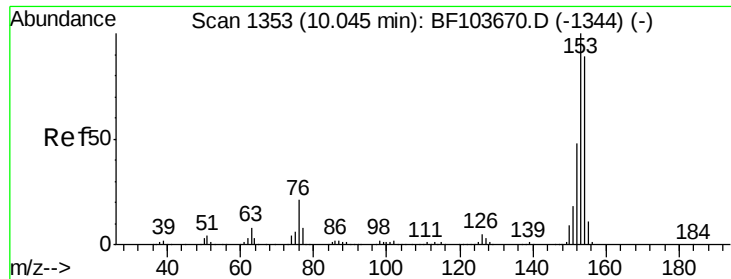
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#49
Dimethylphthalate
Concen: 9.676 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BF103820.D
Acq: 20 Mar 2018 23:14

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.7	4.1
164	10.1	8.2	12.2





#51

Acenaphthene

Concen: 5.546 ng

RT: 10.05 min Scan# 1353

Delta R.T. 0.00 min

Lab File: BF103820.D

Acq: 20 Mar 2018 23:14

Instrument :

BNA_F

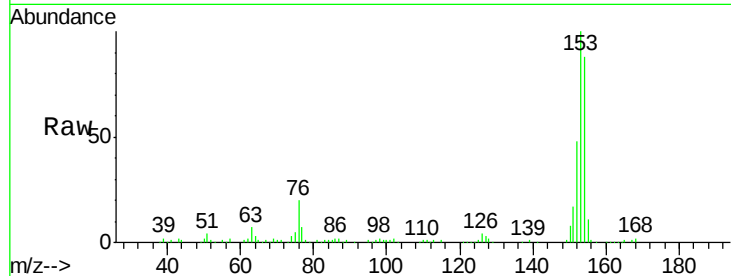
ClientSampled :

SP-1

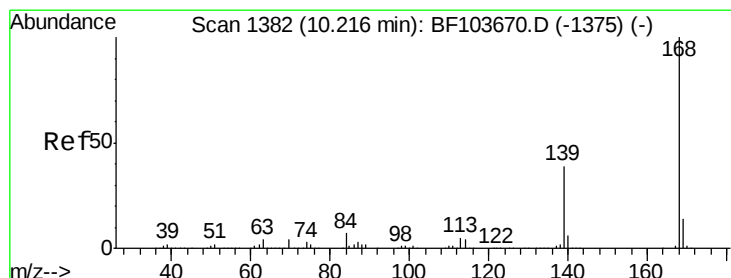
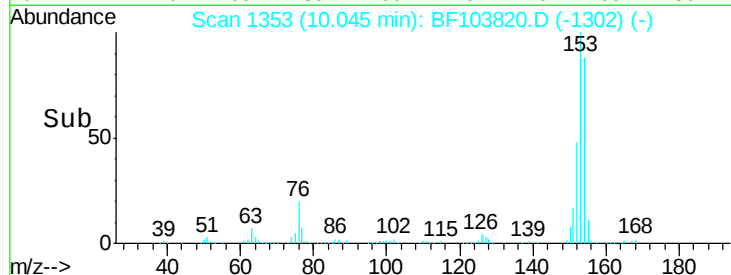
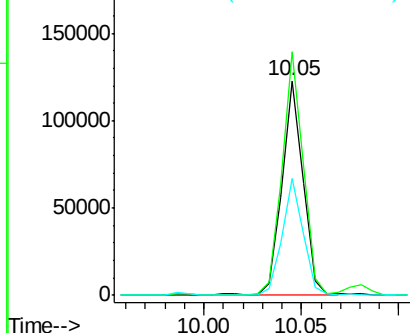
Tot Ion:	154	Resp:	92756
Ion Ratio	Lower	Upper	
154	100		
153	113.4	91.2	136.8
152	54.3	43.8	65.8

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 2.615 ng

RT: 10.22 min Scan# 1382

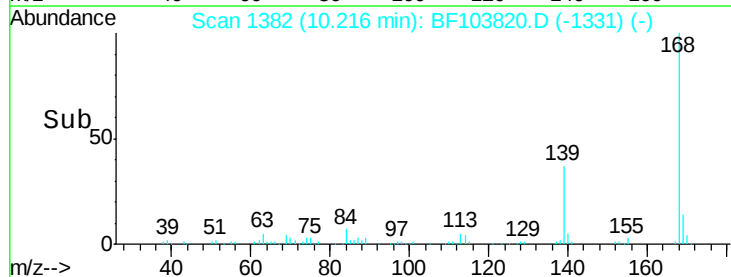
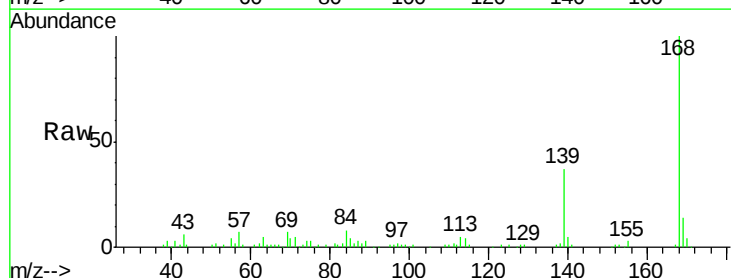
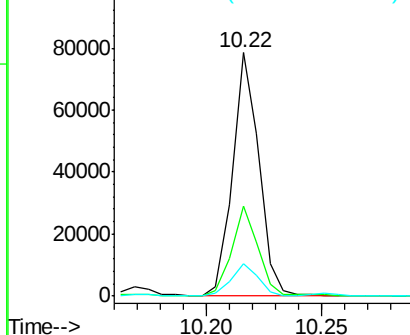
Delta R.T. 0.00 min

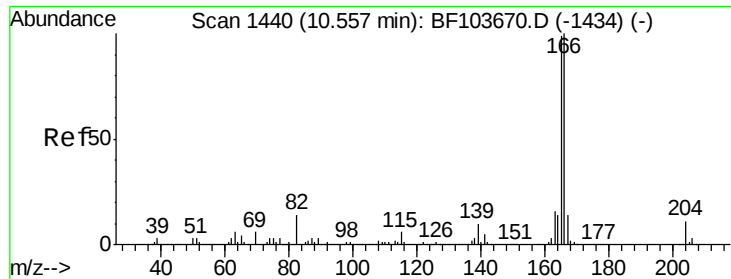
Lab File: BF103820.D

Acq: 20 Mar 2018 23:14

Tgt Ion:	168	Resp:	62456
Ion Ratio	Lower	Upper	
168	100		
139	36.8	30.1	45.1
169	13.6	10.9	16.3

Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#57

Fluorene

Concen: 3.772 ng

RT: 10.56 min Scan# 1441

Delta R.T. 0.01 min

Lab File: BF103820.D

Acq: 20 Mar 2018 23:14

Instrument :

BNA_F

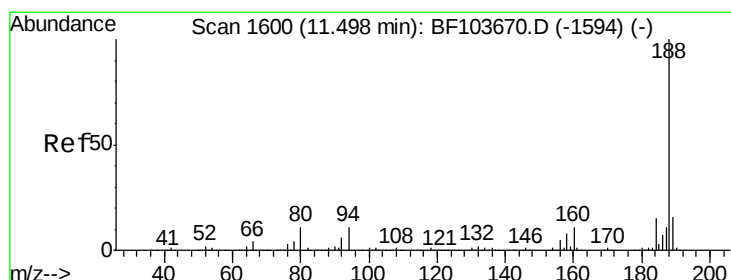
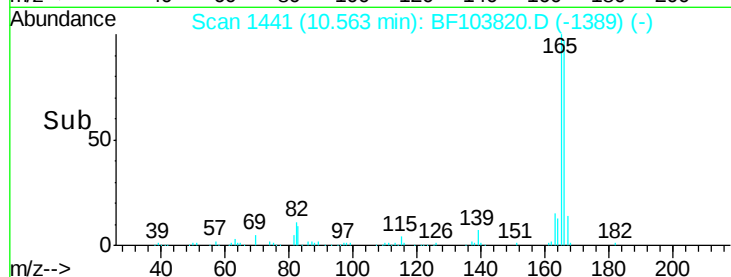
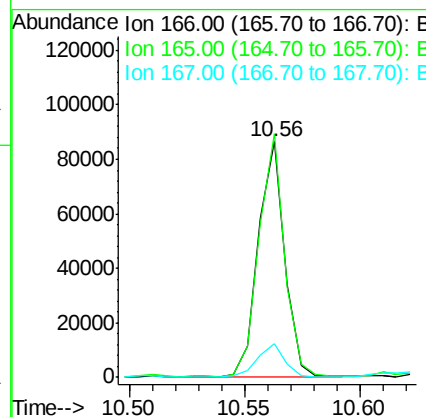
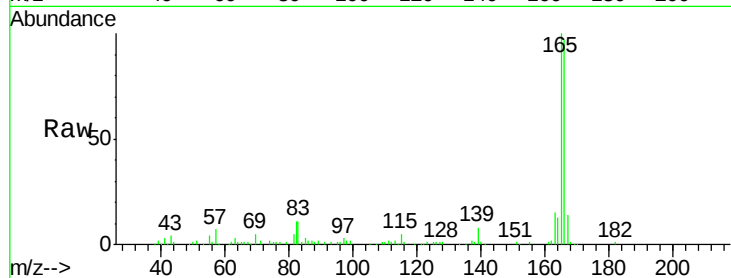
ClientSampleId :

SP-1

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100				
165	103.5	79.8	119.8		
167	14.1	10.6	16.0		

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#63

Phenanthrene-d10

Concen: 20.000 ng

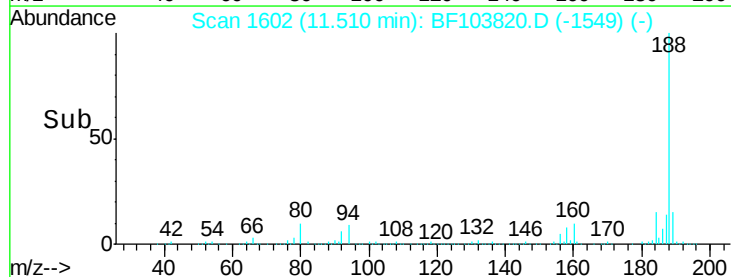
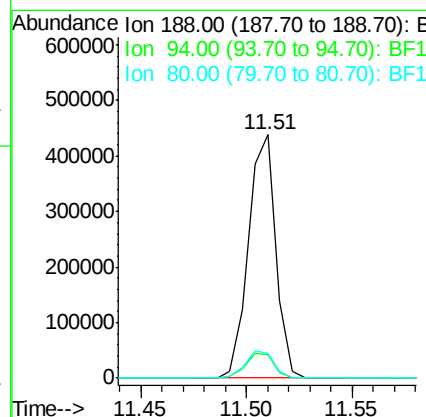
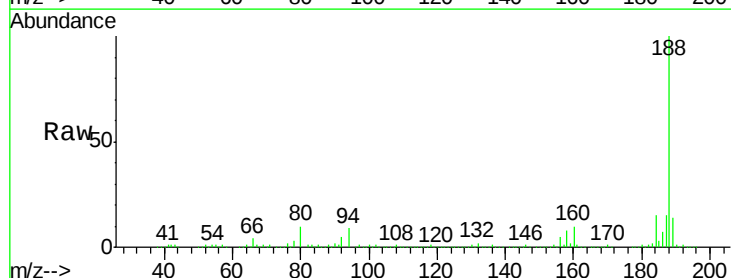
RT: 11.51 min Scan# 1602

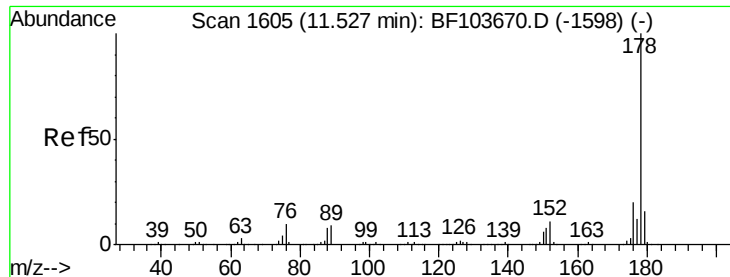
Delta R.T. 0.01 min

Lab File: BF103820.D

Acq: 20 Mar 2018 23:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	9.5	8.5	12.7		
80	10.3	9.2	13.8		





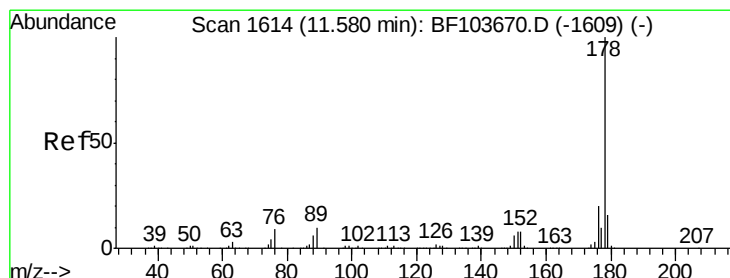
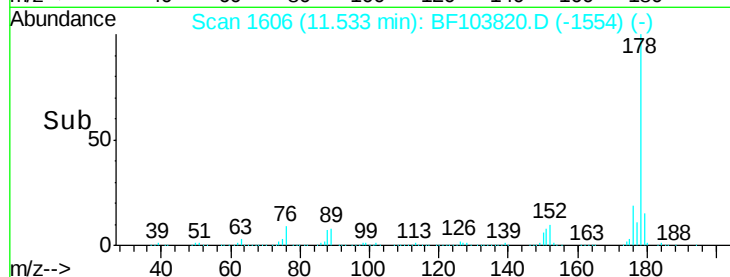
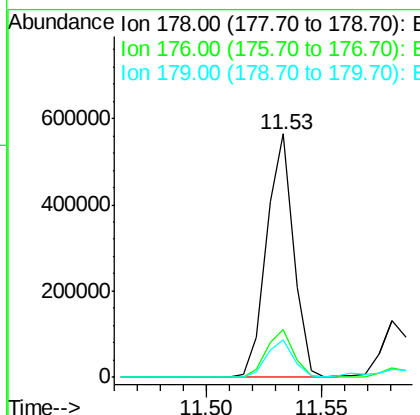
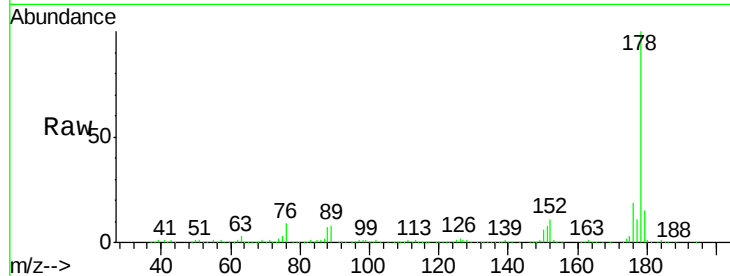
#70
Phenanthrene
Concen: 21.346 ng
RT: 11.53 min Scan# 1606
Delta R.T. 0.01 min
Lab File: BF103820.D
Acq: 20 Mar 2018 23:14

Instrument :
BNA_F
ClientSampled :
SP-1

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	15.2	13.0	19.6

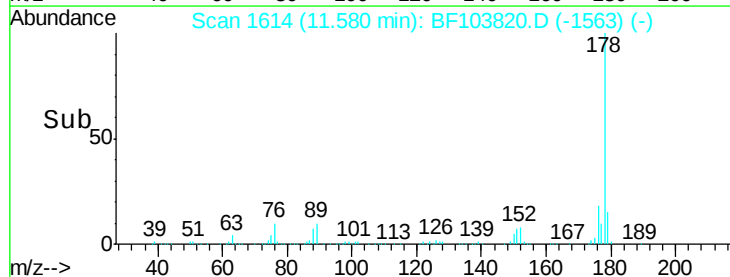
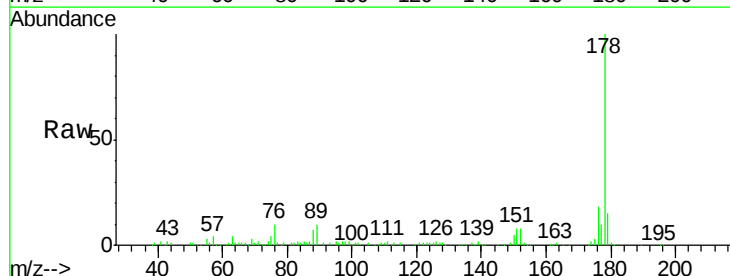
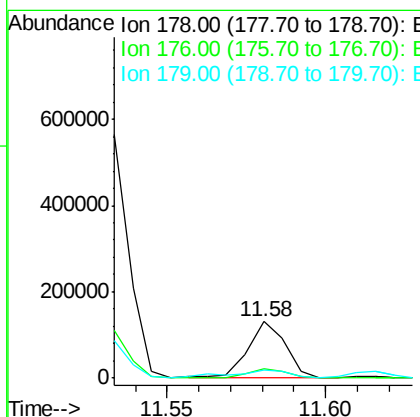
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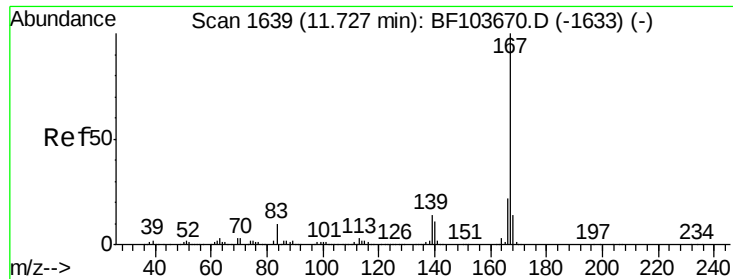
Sohil
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#71
Anthracene
Concen: 4.801 ng
RT: 11.58 min Scan# 1614
Delta R.T. 0.00 min
Lab File: BF103820.D
Acq: 20 Mar 2018 23:14

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.4	23.2
179	14.6	12.6	19.0





#72

Carbazole

Concen: 2.677 ng

RT: 11.73 min Scan# 1640

Delta R.T. 0.01 min

Lab File: BF103820.D

Acq: 20 Mar 2018 23:14

Instrument :

BNA_F

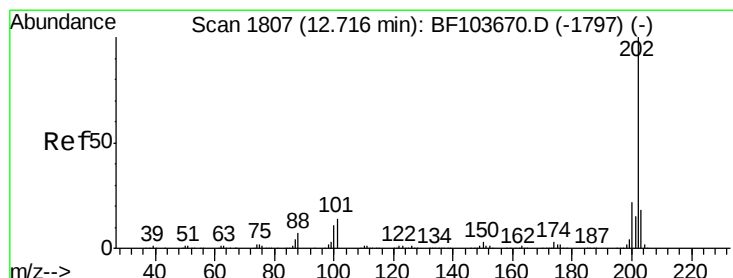
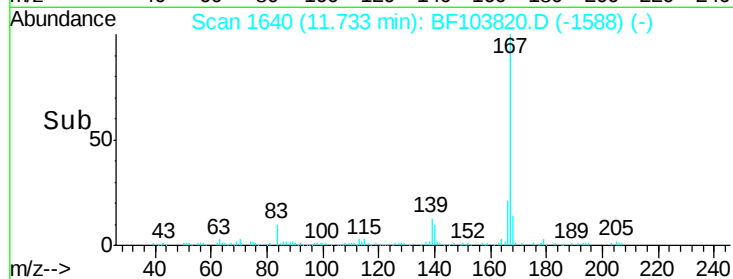
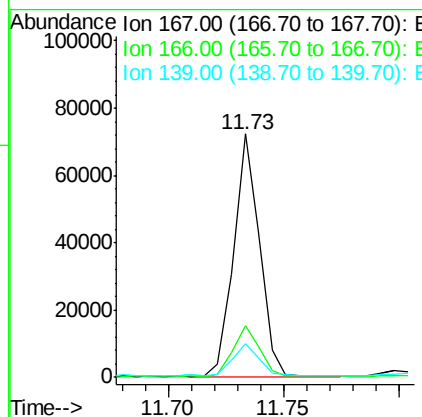
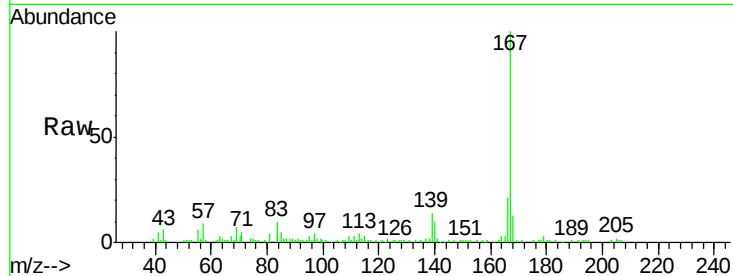
ClientSampleId :

SP-1

Tot Ion:	167	Resp:	56948
Ion Ratio	Lower	Upper	
167	100		
166	21.3	17.6	26.4
139	13.7	10.9	16.3

Manual Integrations
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#74

Fluoranthene

Concen: 18.727 ng

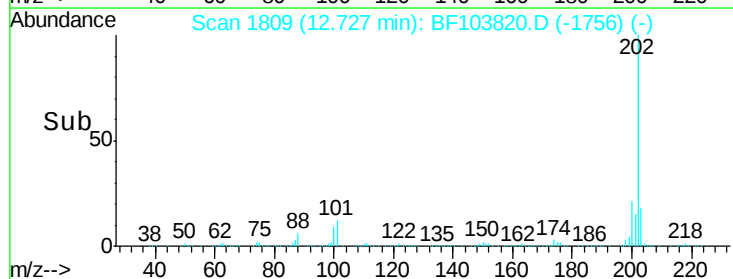
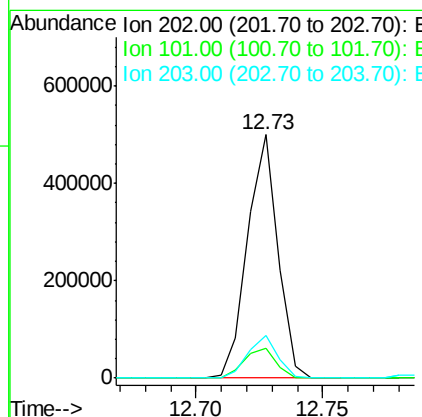
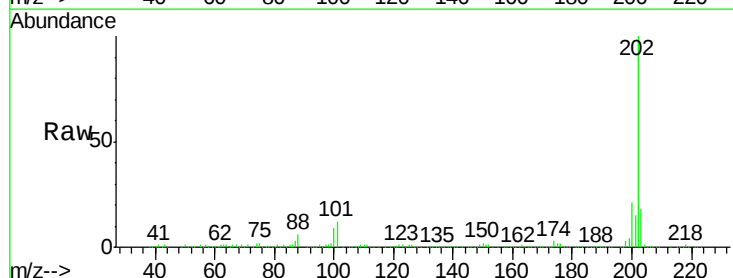
RT: 12.73 min Scan# 1809

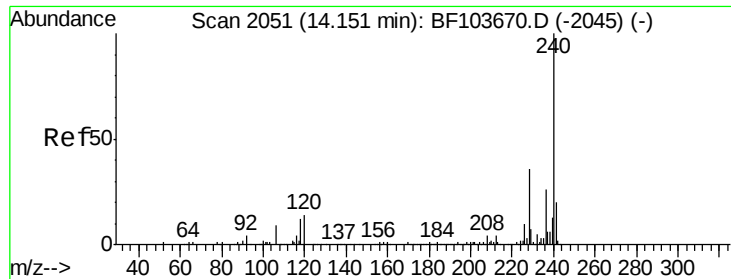
Delta R.T. 0.01 min

Lab File: BF103820.D

Acq: 20 Mar 2018 23:14

Tgt Ion:	202	Resp:	415748
Ion Ratio	Lower	Upper	
202	100		
101	12.3	0.0	34.1
203	17.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2052

Delta R.T. 0.01 min

Lab File: BF103820.D

Acq: 20 Mar 2018 23:14

Instrument :

BNA_F

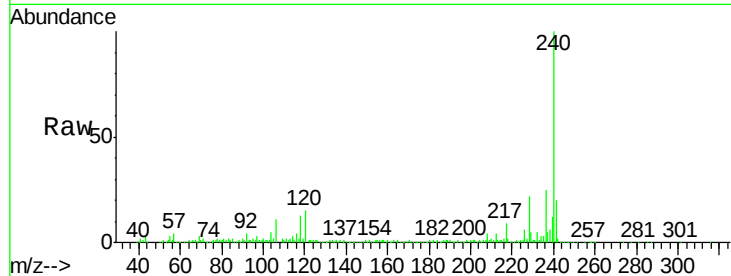
ClientSampled :

SP-1

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.3	9.5	14.3#
236	25.5	20.7	31.1

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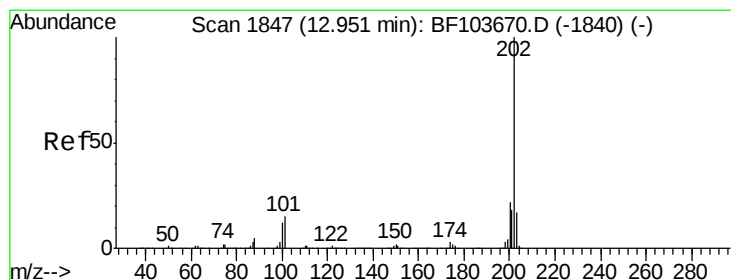
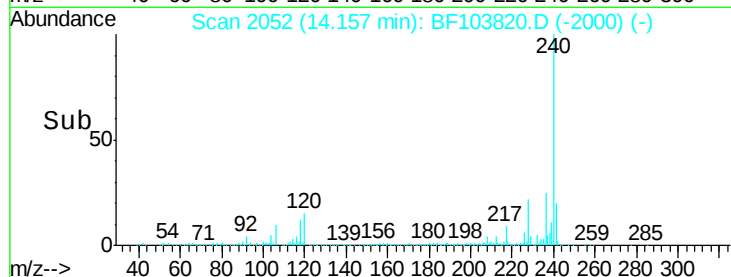
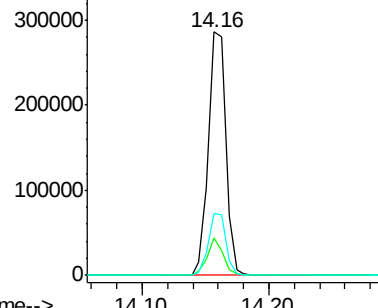


Abundance

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: 16.805 ng

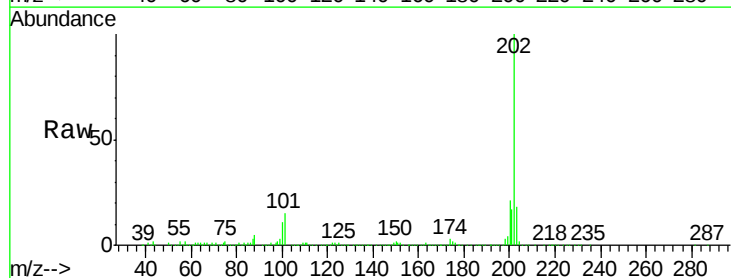
RT: 12.96 min Scan# 1848

Delta R.T. 0.01 min

Lab File: BF103820.D

Acq: 20 Mar 2018 23:14

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.4	26.2
203	17.7	14.3	21.5

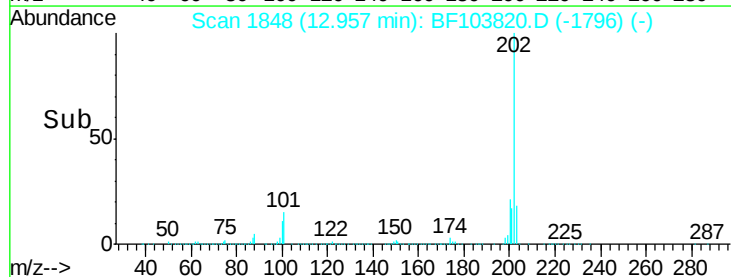
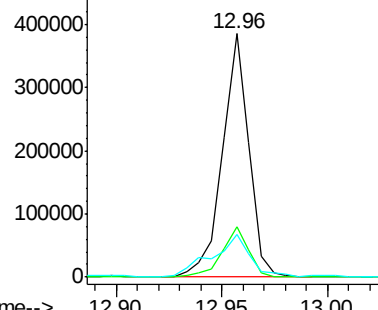


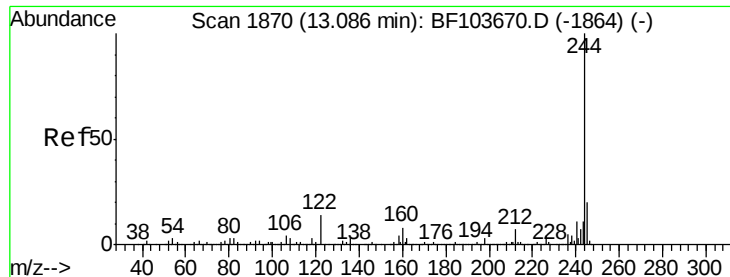
Abundance

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: 76.063 ng

RT: 13.10 min Scan# 1872

Delta R.T. 0.01 min

Lab File: BF103820.D

Acq: 20 Mar 2018 23:14

Instrument :

BNA_F

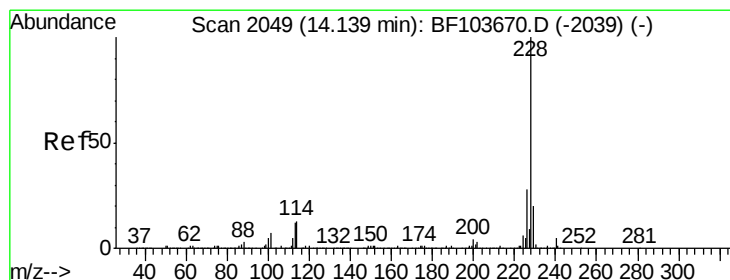
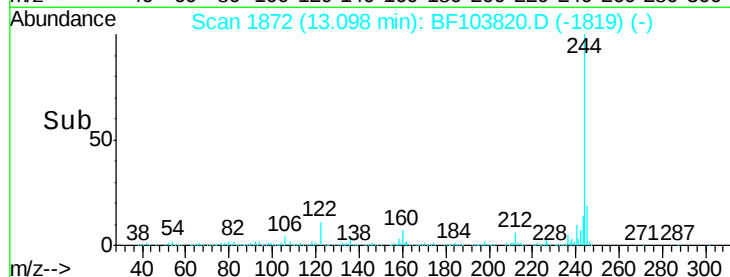
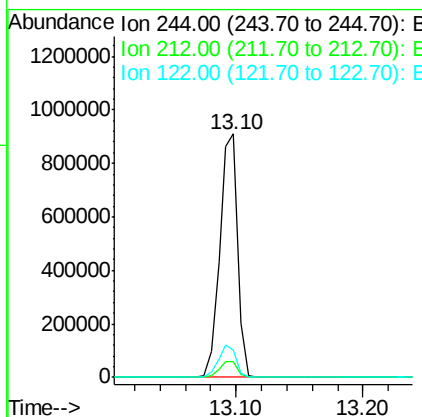
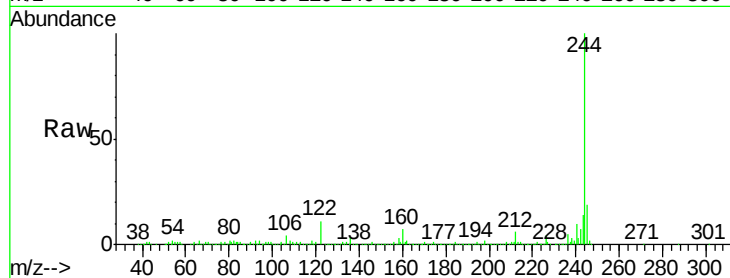
ClientSampleId :

SP-1

Tot Ion:	244	Resp:	891154
Ion Ratio	Lower	Upper	
244	100		
212	6.5	5.4	8.0
122	11.3	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 9.496 ng

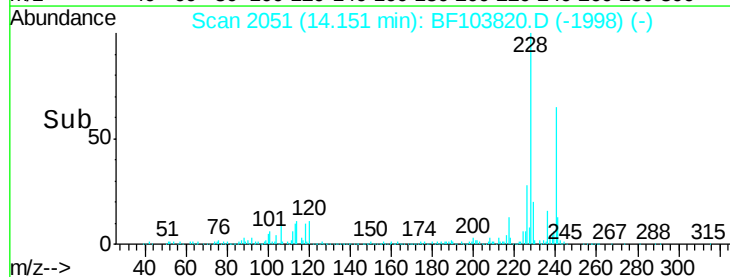
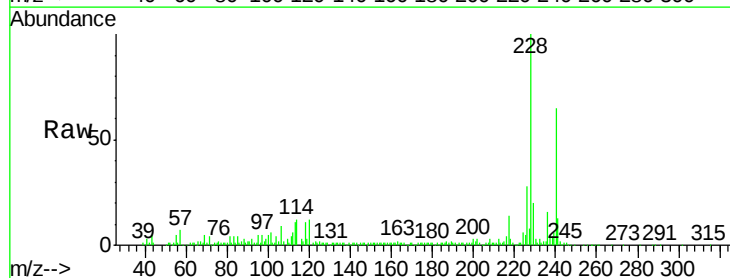
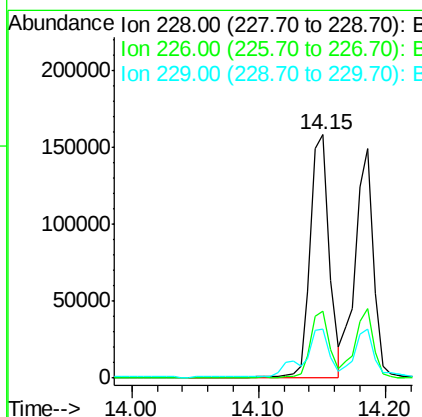
RT: 14.15 min Scan# 2051

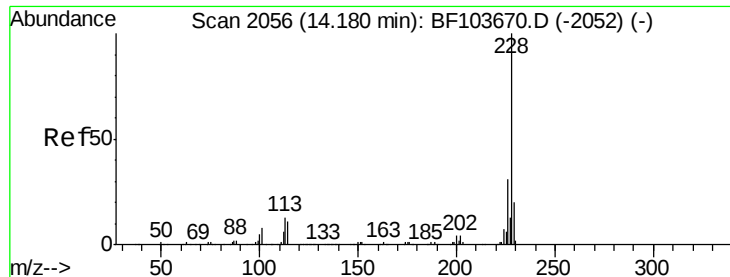
Delta R.T. 0.01 min

Lab File: BF103820.D

Acq: 20 Mar 2018 23:14

Tgt Ion:	228	Resp:	163468
Ion Ratio	Lower	Upper	
228	100		
226	27.6	22.6	33.8
229	20.0	15.8	23.6





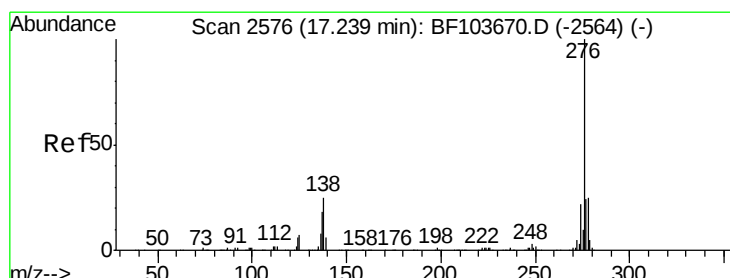
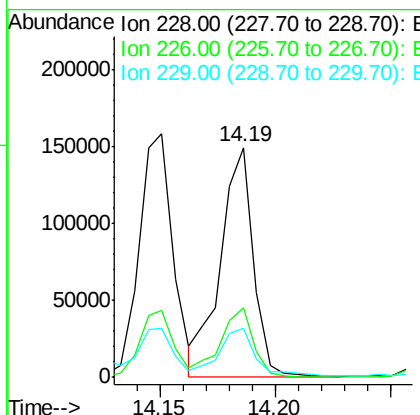
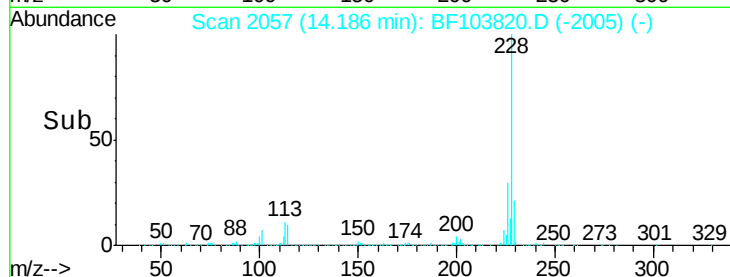
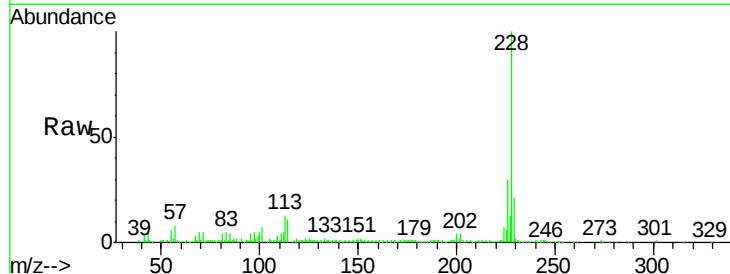
#82
Chrysene
Concen: 9.000 ng
RT: 14.19 min Scan# 2057
Delta R.T. 0.01 min
Lab File: BF103820.D
Acq: 20 Mar 2018 23:14

Instrument :
BNA_F
ClientSampled :
SP-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.0	37.6
229	21.5	16.2	24.4

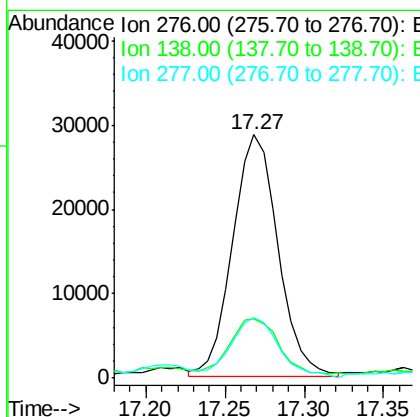
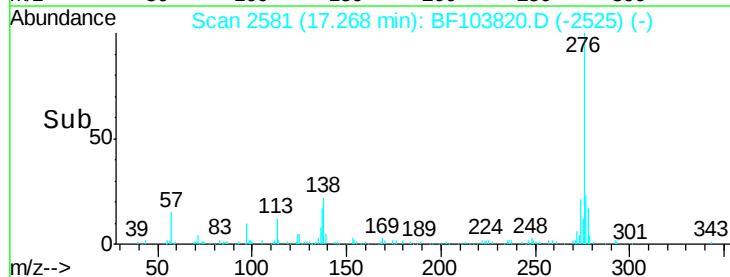
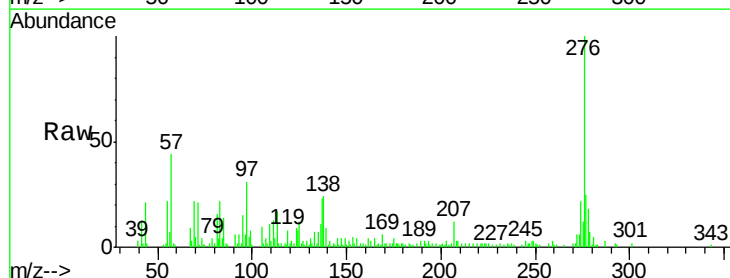
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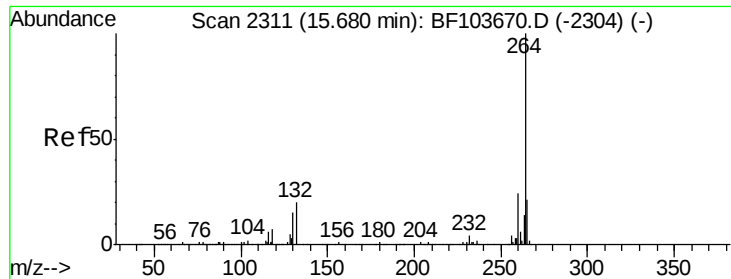
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 3.984 ng
RT: 17.27 min Scan# 2581
Delta R.T. 0.03 min
Lab File: BF103820.D
Acq: 20 Mar 2018 23:14

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.1	25.0	37.6#
277	26.9	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.70 min Scan# 2315

Delta R.T. 0.02 min

Lab File: BF103820.D

Acq: 20 Mar 2018 23:14

Instrument :

BNA_F

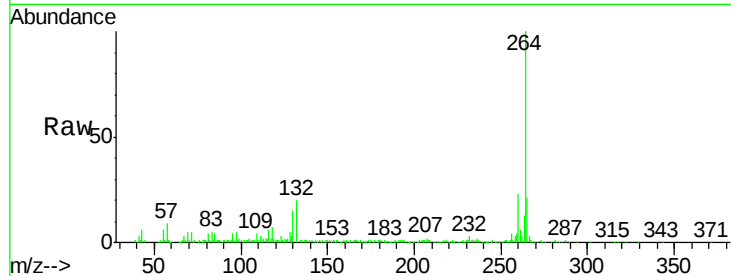
ClientSampled :

SP-1

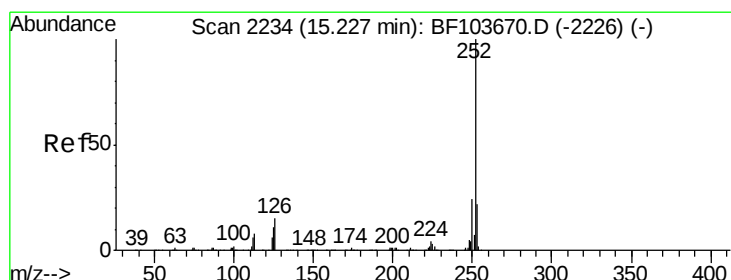
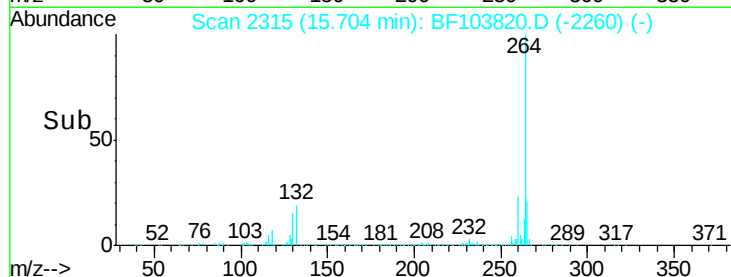
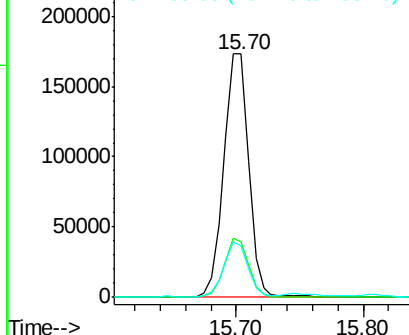
Tot Ion:	264	Resp:	237209
Ion Ratio	Lower	Upper	
264	100		
260	22.9	19.2	28.8
265	21.2	17.5	26.3

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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: 10.454 ng m

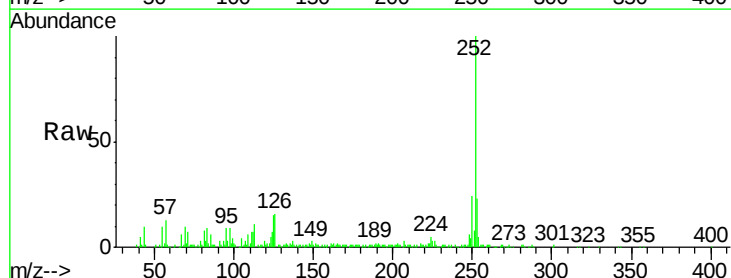
RT: 15.24 min Scan# 2236

Delta R.T. 0.01 min

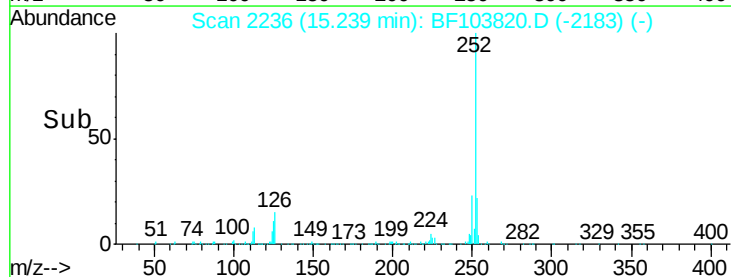
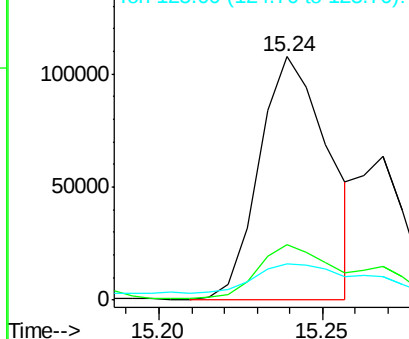
Lab File: BF103820.D

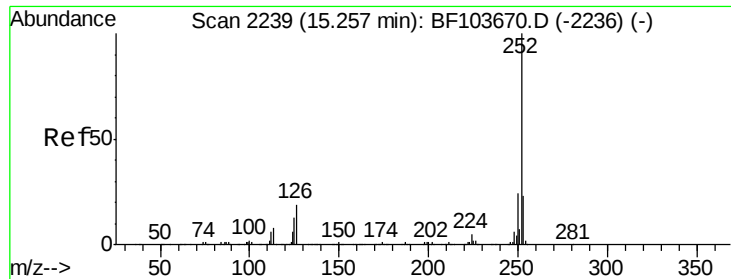
Acq: 20 Mar 2018 23:14

Tgt Ion:	252	Resp:	156661
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.0	25.6
125	14.8	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





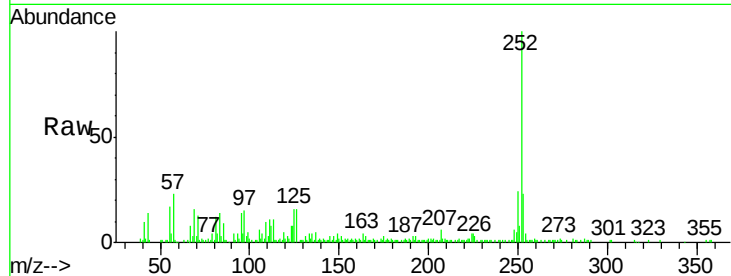
#88
Benzo(k)fluoranthene
Concen: 4.396 ng m
RT: 15.27 min Scan# 2241
Delta R.T. 0.01 min
Lab File: BF103820.D
Acq: 20 Mar 2018 23:14

Instrument :
BNA_F
ClientSampled :
SP-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	16.5	10.2	15.2

Manual Integrations
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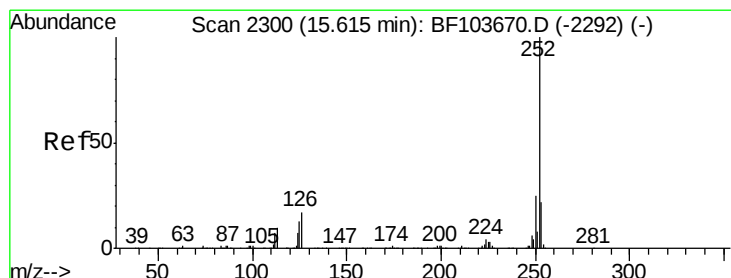
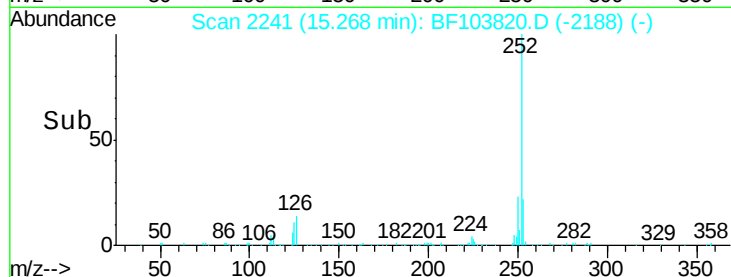
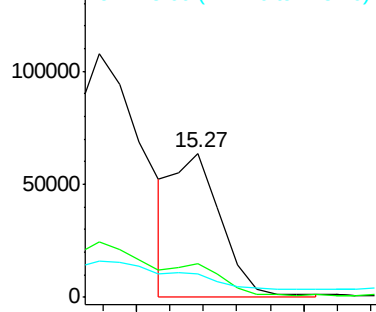


Abundance

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



#89
Benzo(a)pyrene
Concen: 8.262 ng
RT: 15.63 min Scan# 2303
Delta R.T. 0.02 min
Lab File: BF103820.D
Acq: 20 Mar 2018 23:14

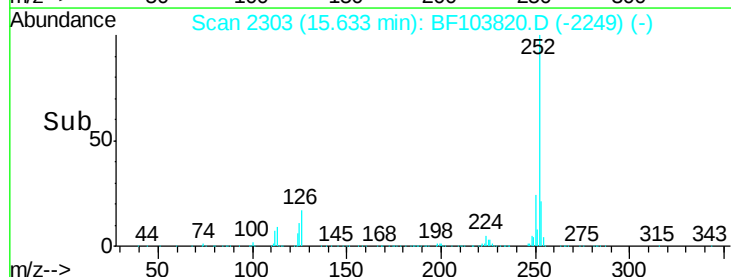
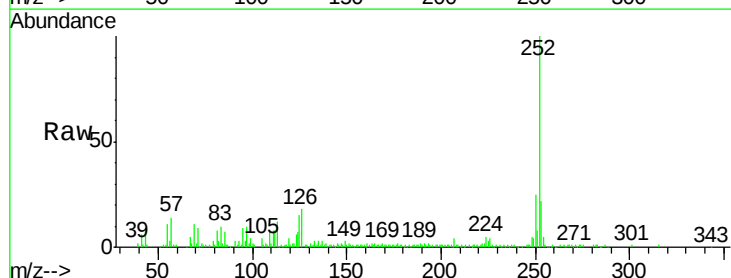
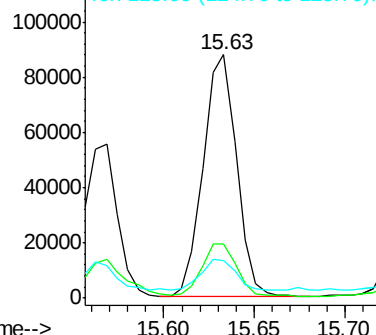
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.1	25.7
125	15.2	9.8	14.6

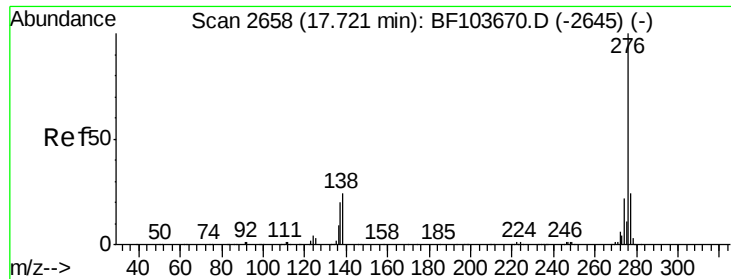
Abundance

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





#91
 Benzo(a,h,i)perylene
 Concen: 4.313 ng
 RT: 17.75 min Scan# 2663
 Delta R.T. 0.03 min
 Lab File: BF103820.D
 Acq: 20 Mar 2018 23:14

Instrument :
 BNA_F
 ClientSampleId :
 SP-1

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.5	17.9	26.9#
138	29.9	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 3/22/2018 12:57:54 PM

