

Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
 Data File : BF102762.D
 Acq On : 6 Feb 2018 3:04
 Operator : SJ/JU
 Sample : J1447-04 20X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB98_BOT_7.5

Manual Integrations
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 2/6/2018 2:26:12 PM

Quant Time: Feb 06 06:37:01 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	192121	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	782143	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	337927	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	524982	20.00	ng	0.00
75) Chrysene-d12	14.04	240	334231	20.00	ng	0.00
86) Perylene-d12	15.52	264	339594	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	68632	5.43	ng	-0.01
7) Phenol-d6	6.49	99	83530	5.48	ng	-0.02
23) Nitrobenzene-d5	7.43	82	45507	4.04	ng	-0.02
41) 2,4,6-Tribromophenol	10.70	330	13567	4.99	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	92711	4.55	ng	-0.01
78) Terphenyl-d14	12.99	244	61630	4.37	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.18	128	150975	3.951	ng	99
48) Acenaphthylene	9.78	152	266286	7.651	ng	99
54) Dibenzofuran	10.12	168	86669	2.955	ng	100
57) Fluorene	10.46	166	196795	9.221	ng	99
70) Phenanthrene	11.43	178	1105860	37.823	ng	99
71) Anthracene	11.48	178	347952	11.701	ng	99
74) Fluoranthene	12.62	202	1262875	42.930	ng	99
77) Pyrene	12.85	202	998388	38.093	ng	99
80) Benzo(a)anthracene	14.03	228	540448m	25.711	ng	
82) Chrysene	14.07	228	423524	19.988	ng	97
85) Indeno(1,2,3-cd)pyrene	17.00	276	180019	10.244	ng	97
87) Benzo(b)fluoranthene	15.09	252	595528m	27.048	ng	
88) Benzo(k)fluoranthene	15.12	252	150807m	7.169	ng	
89) Benzo(a)pyrene	15.46	252	392431	19.802	ng	98
90) Dibenzo(a,h)anthracene	17.02	278	51270m	3.187	ng	
91) Benzo(g,h,i)perylene	17.46	276	146835	9.326	ng	99

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

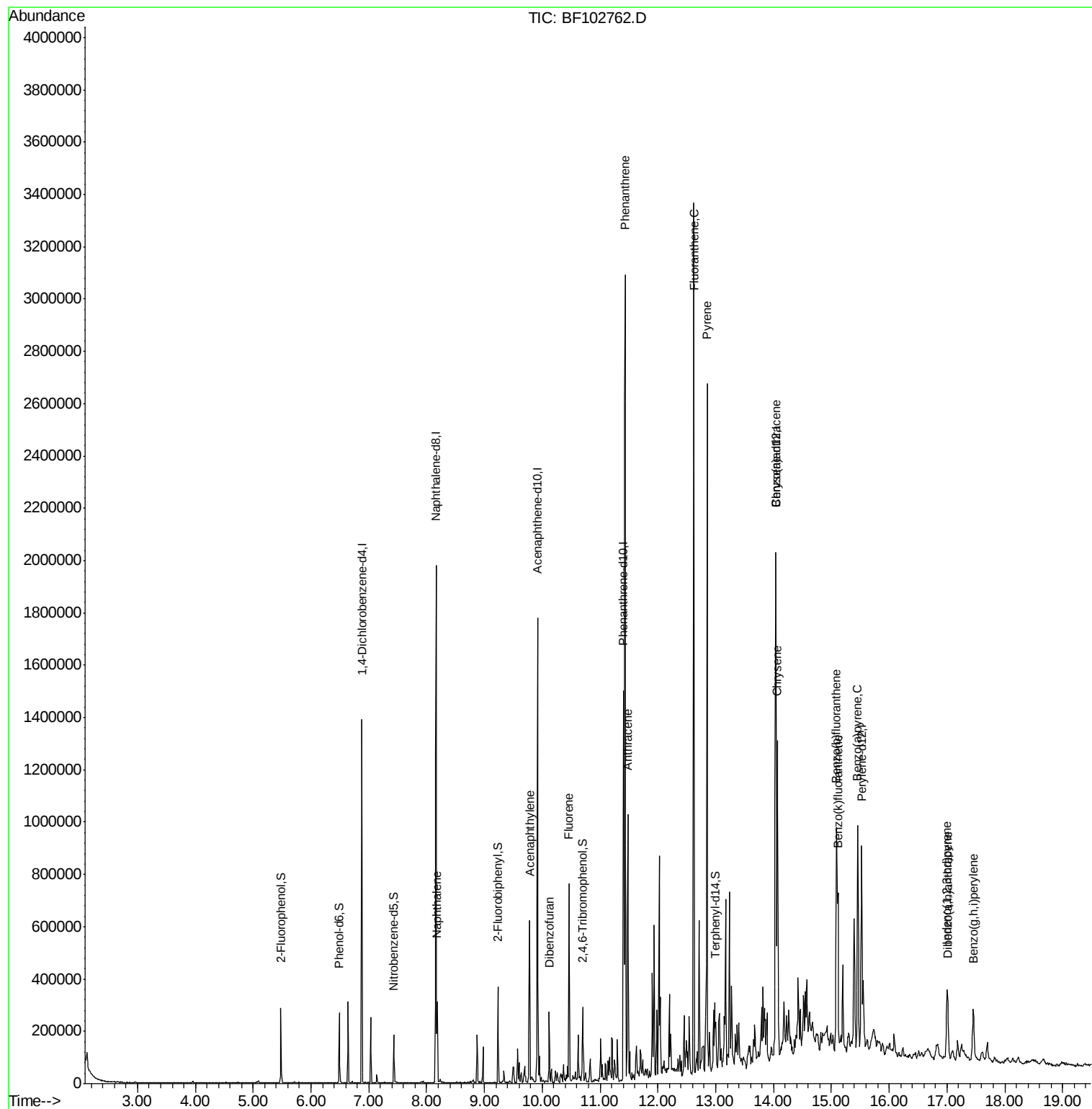
Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
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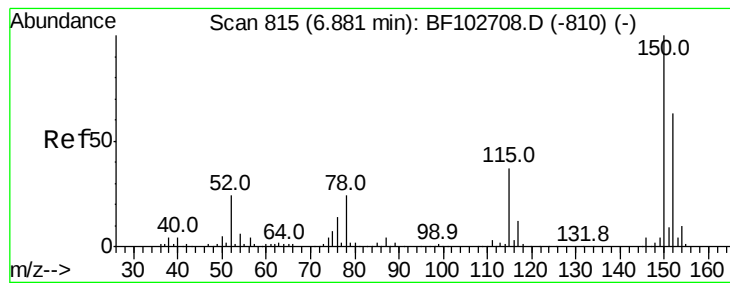
Instrument :
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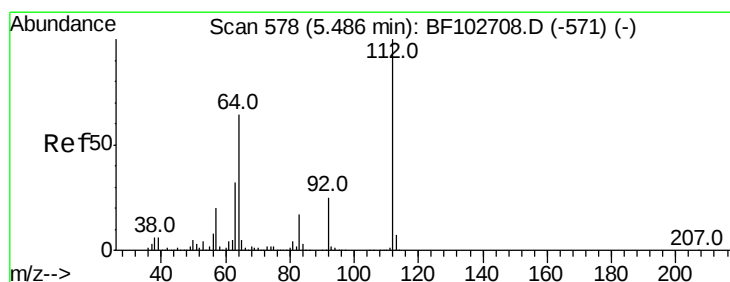
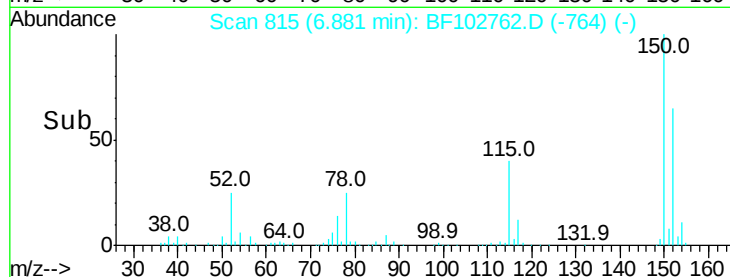
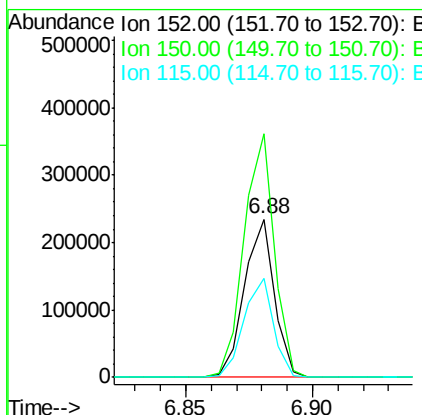
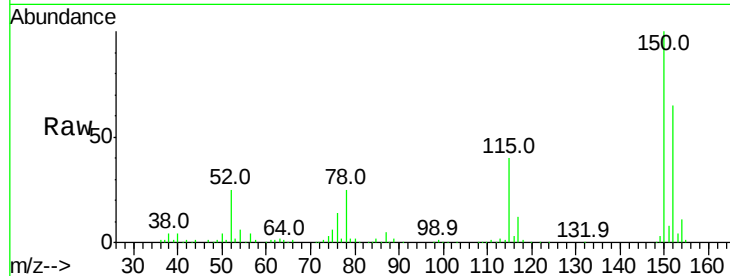
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.88 min Scan# 815
 Delta R.T. -0.00 min
 Lab File: BF102762.D
 Acq: 6 Feb 2018 3:04

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB98_BOT_7.5

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.9	124.6	186.8
115	62.3	50.1	75.1

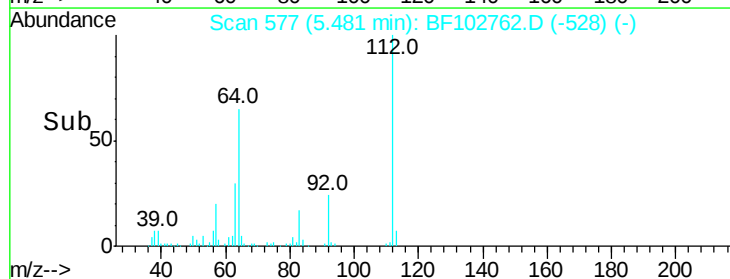
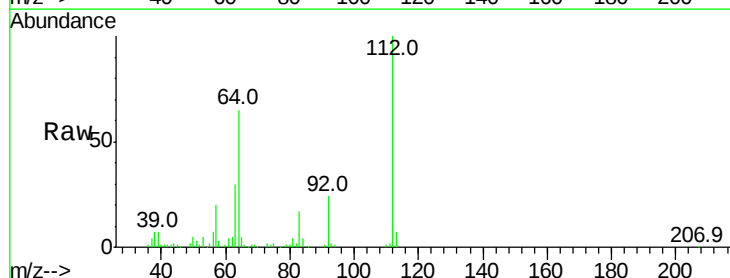
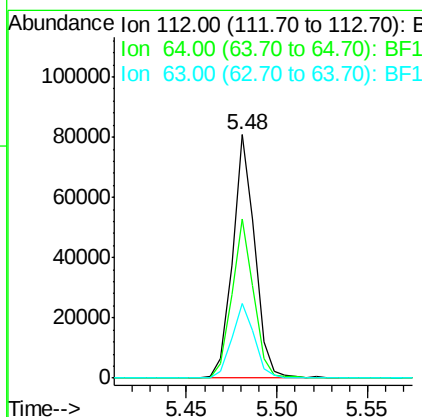
Manual Integrations
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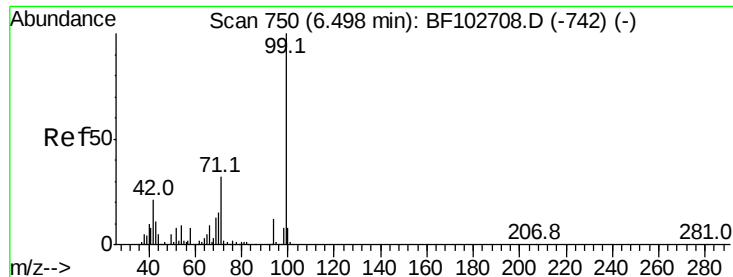
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#5
 2-Fluorophenol
 Concen: 5.425 ng
 RT: 5.48 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: BF102762.D
 Acq: 6 Feb 2018 3:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.3	47.9	71.9
63	30.4	23.7	35.5





#7

Phenol-d6

Concen: 5.484 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.02 min

Lab File: BF102762.D

Acq: 6 Feb 2018 3:04

Instrument :

BNA_F

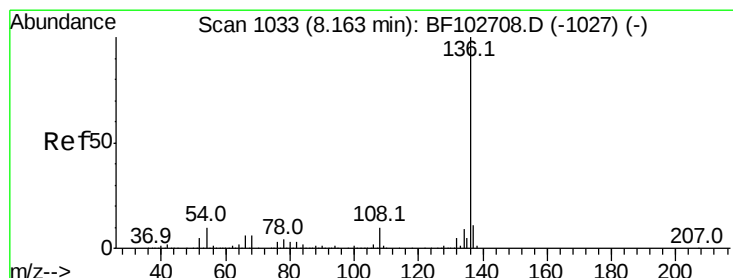
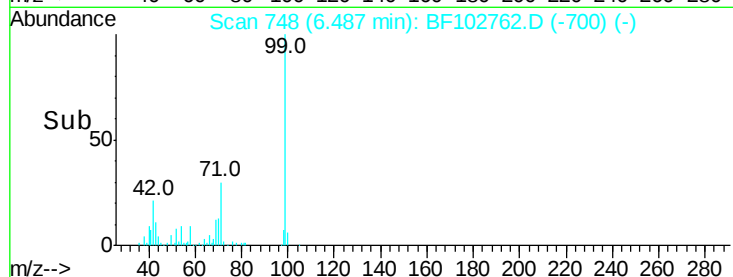
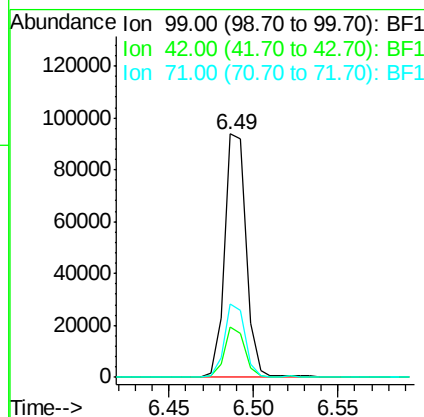
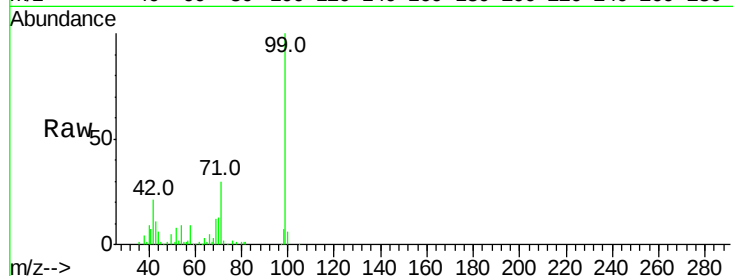
ClientSampleId :

A2_SB98_BOT_7.5

Tot Ion:	99	Resp:	83530
Ion Ratio	Lower	Upper	
99	100		
42	20.7	14.5	21.7
71	29.9	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

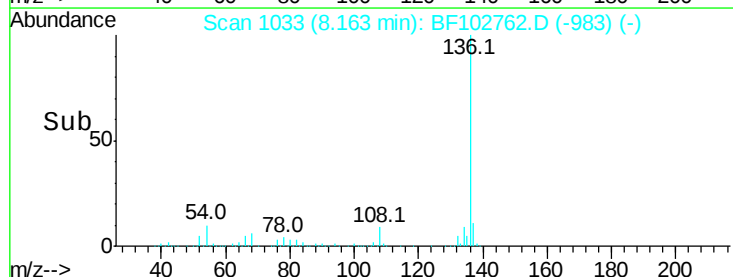
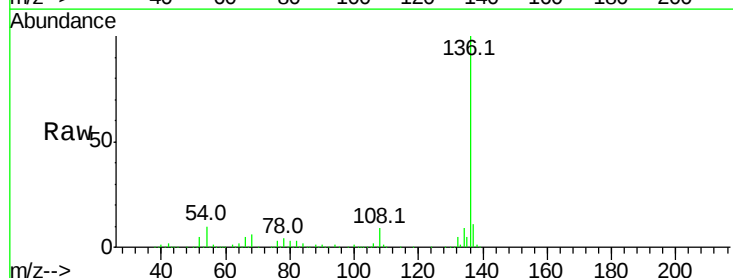
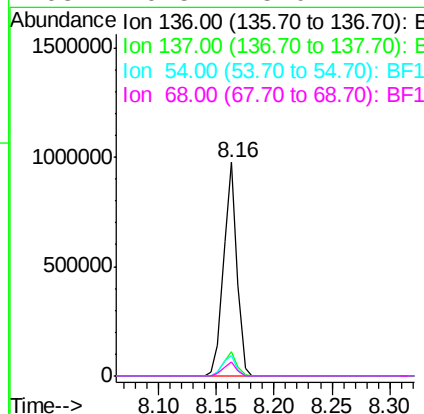
RT: 8.16 min Scan# 1033

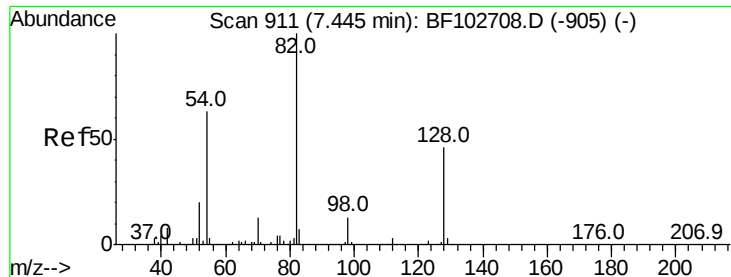
Delta R.T. -0.01 min

Lab File: BF102762.D

Acq: 6 Feb 2018 3:04

Tgt Ion:	136	Resp:	782143
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.9	13.3
54	9.8	6.6	9.8
68	6.5	5.0	7.4





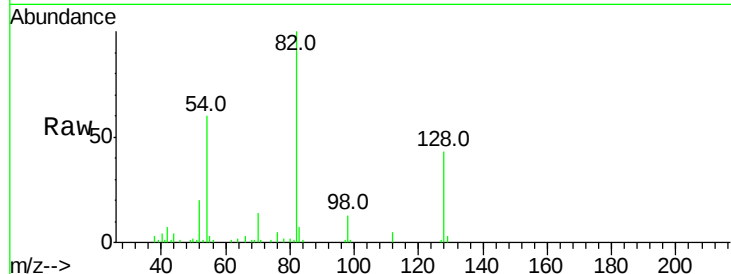
#23
 Nitrobenzene-d5
 Concen: 4.036 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.02 min
 Lab File: BF102762.D
 Acq: 6 Feb 2018 3:04

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB98_BOT_7.5

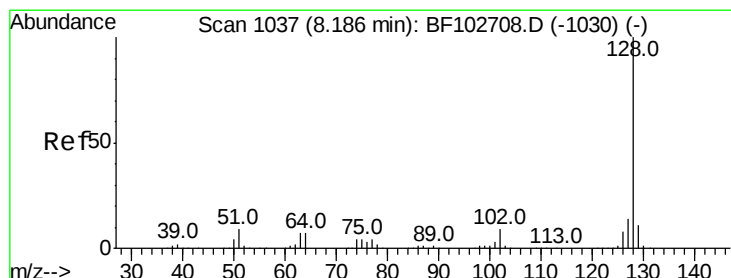
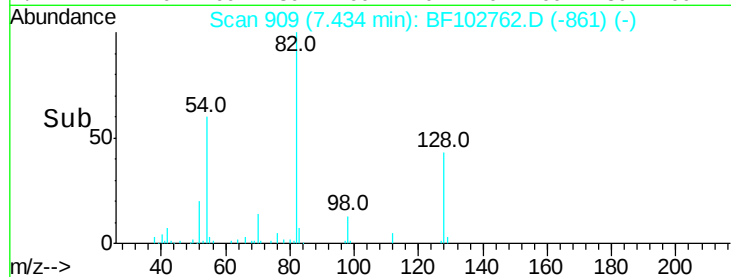
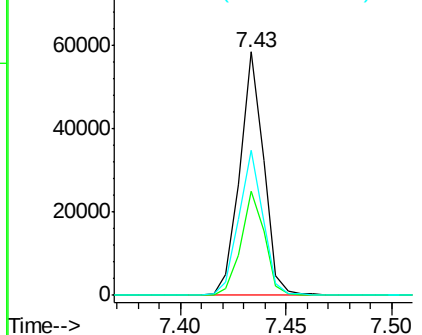
Tot Ion:	82	Resp:	45507
Ion Ratio	Lower	Upper	
82	100		
128	42.7	36.1	54.1
54	59.5	41.4	62.2

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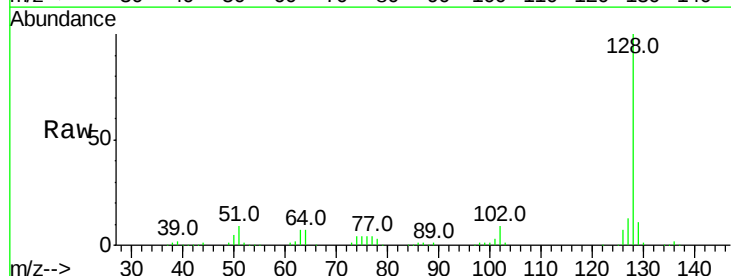


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1

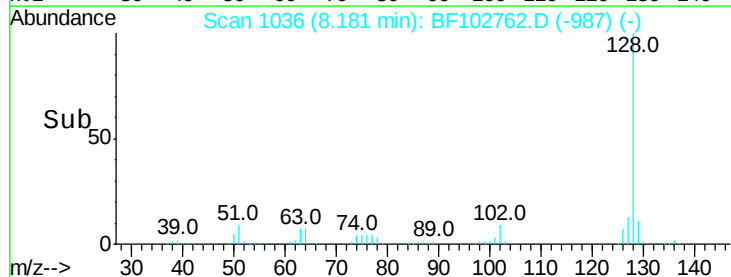
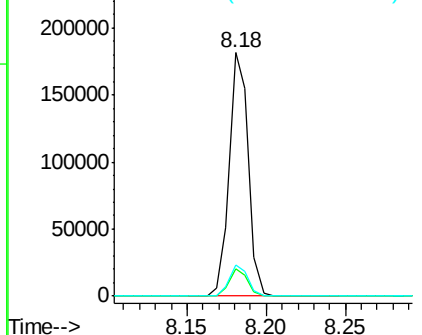


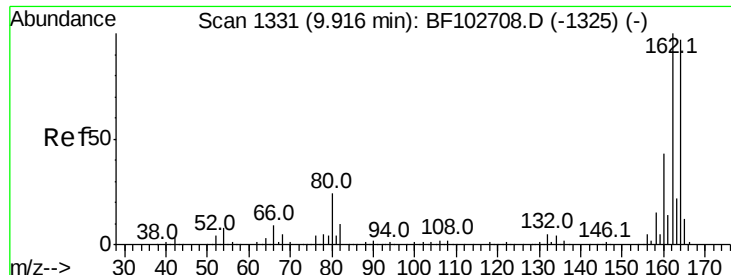
#31
 Naphthalene
 Concen: 3.951 ng
 RT: 8.18 min Scan# 1036
 Delta R.T. -0.01 min
 Lab File: BF102762.D
 Acq: 6 Feb 2018 3:04

Tgt Ion:	128	Resp:	150975
Ion Ratio	Lower	Upper	
128	100		
129	11.1	8.8	13.2
127	12.8	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





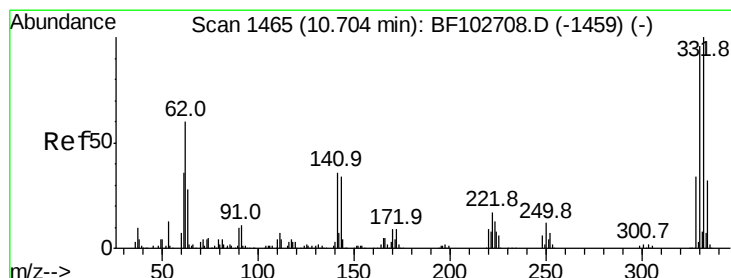
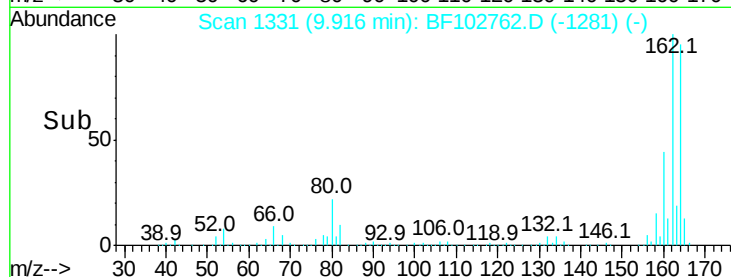
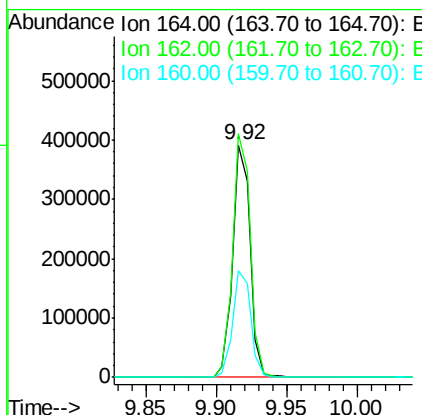
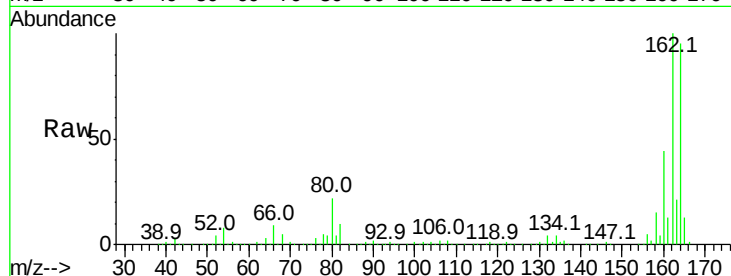
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF102762.D
Acq: 6 Feb 2018 3:04

Instrument :
BNA_F
ClientSampleId :
A2_SB98_BOT_7.5

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.9	86.1	129.1
160	45.8	38.3	57.5

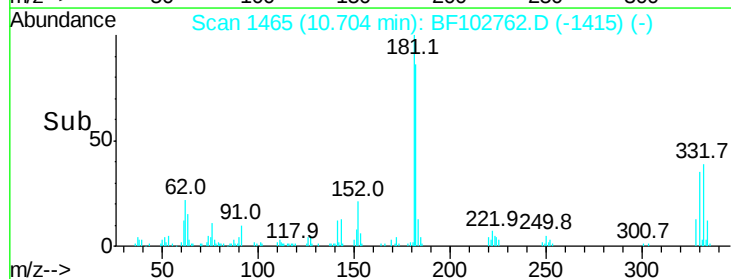
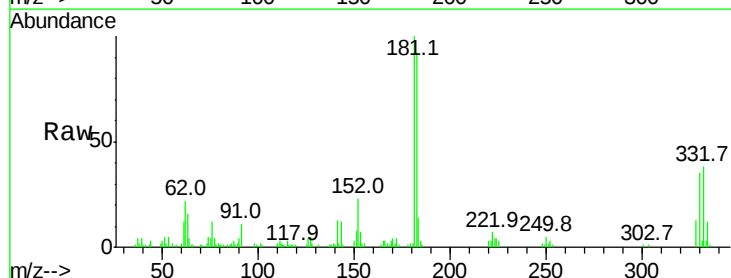
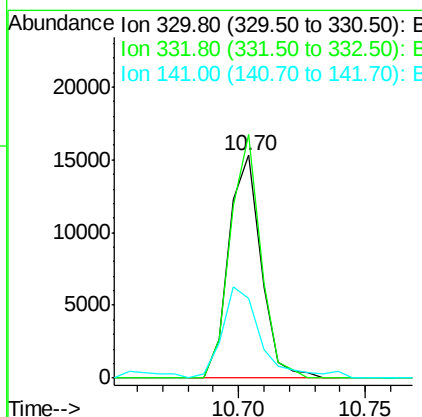
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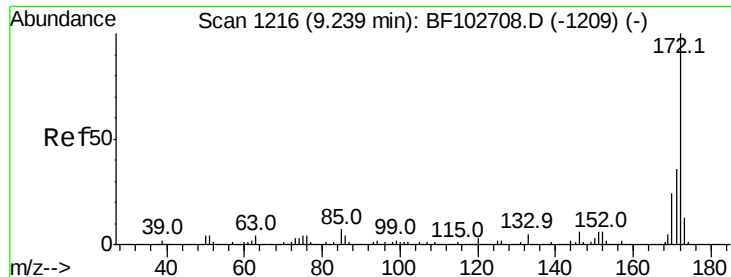
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#41
2,4,6-Tribromophenol
Concen: 4.988 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.01 min
Lab File: BF102762.D
Acq: 6 Feb 2018 3:04

Tgt Ion	Ratio	Lower	Upper
330	100		
332	102.7	77.0	115.6
141	49.4	29.9	44.9





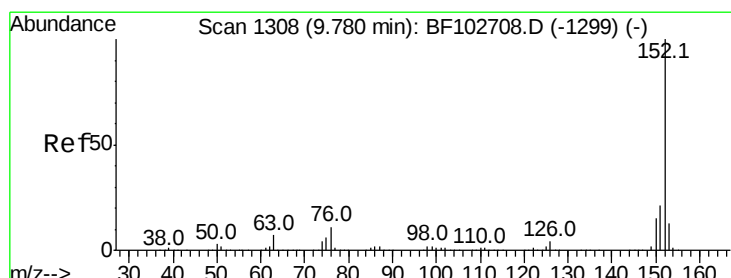
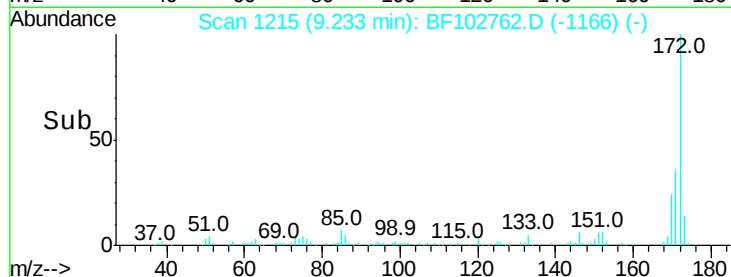
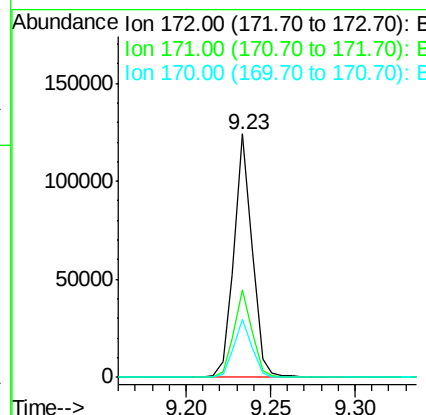
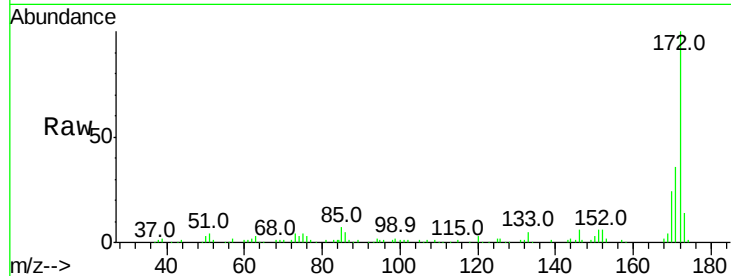
#44
2-Fluorobiphenyl
Concen: 4.552 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF102762.D
Acq: 6 Feb 2018 3:04

Instrument :
BNA_F
ClientSampleId :
A2_SB98_BOT_7.5

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.7	29.7	44.5	
170	24.0	19.6	29.4	

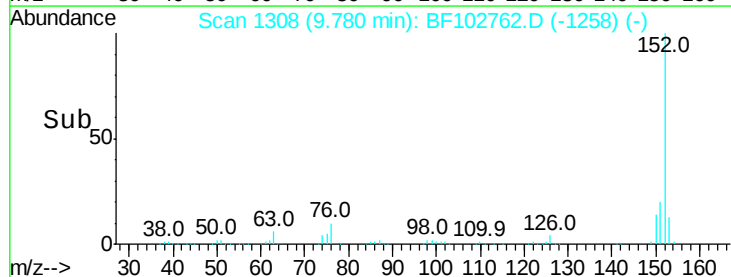
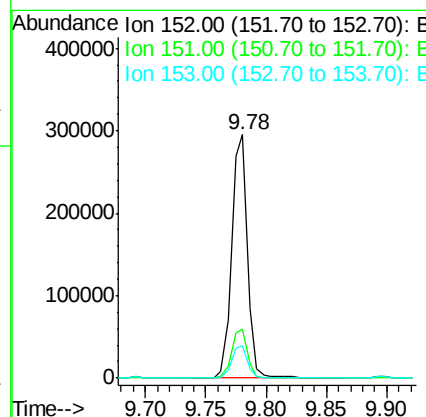
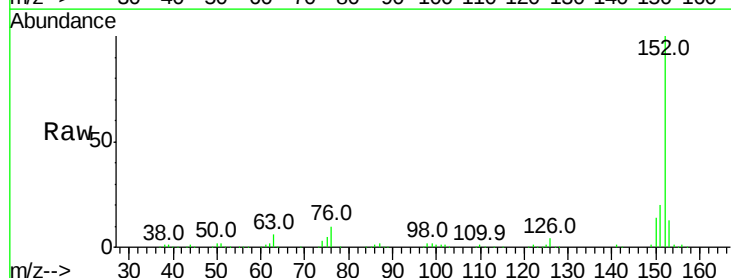
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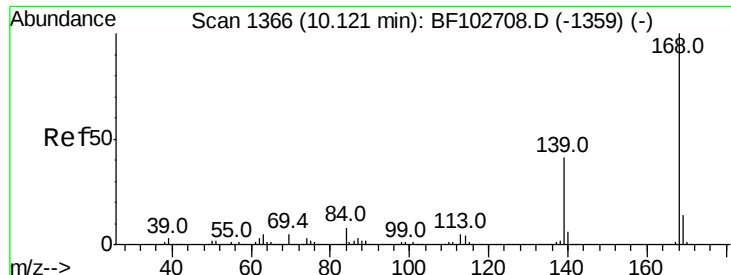
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#48
Acenaphthylene
Concen: 7.651 ng
RT: 9.78 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BF102762.D
Acq: 6 Feb 2018 3:04

Tgt Ion	Ratio	Resp	Lower	Upper
152	100			
151	20.0	16.3	24.5	
153	13.1	10.7	16.1	





#54

Dibenzenofuran

Concen: 2.955 ng

RT: 10.12 min Scan# 1366

Delta R.T. -0.01 min

Lab File: BF102762.D

Acq: 6 Feb 2018 3:04

Instrument :

BNA_F

ClientSampleId :

A2_SB98_BOT_7.5

Tot Ion:168 Resp: 86669

Ion Ratio Lower Upper

168 100

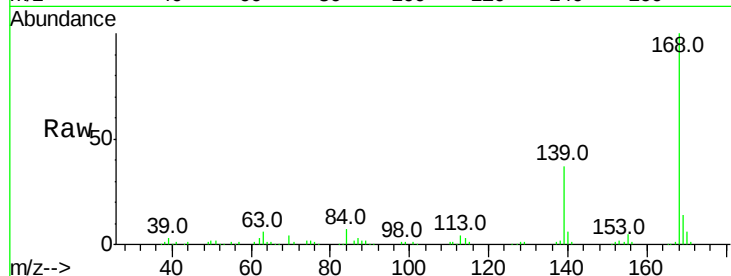
139 37.4 30.1 45.1

169 13.7 10.9 16.3

Manual Integrations
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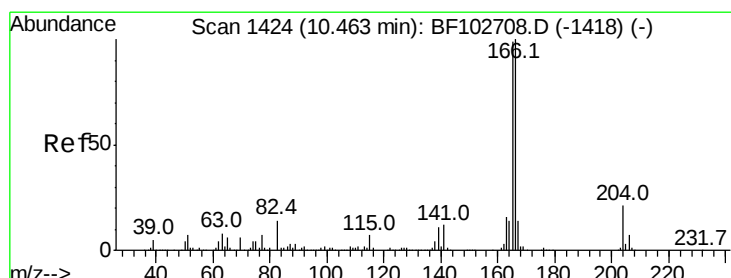
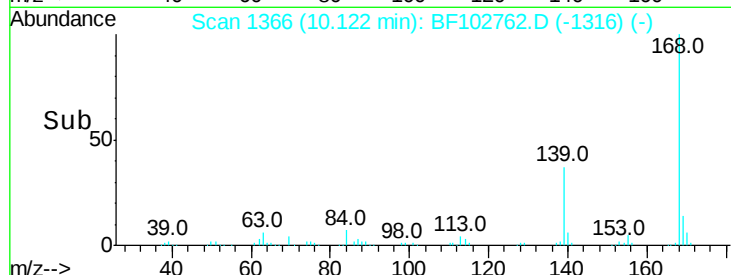
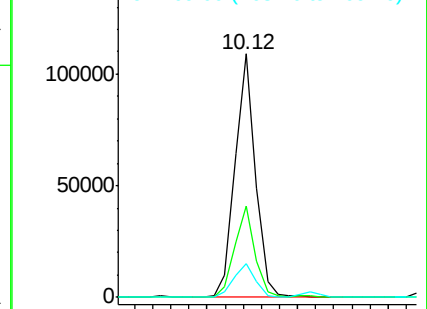
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#57

Fluorene

Concen: 9.221 ng

RT: 10.46 min Scan# 1424

Delta R.T. -0.01 min

Lab File: BF102762.D

Acq: 6 Feb 2018 3:04

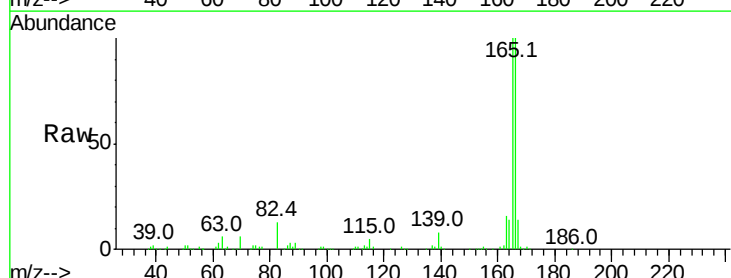
Tgt Ion:166 Resp: 196795

Ion Ratio Lower Upper

166 100

165 100.3 79.8 119.8

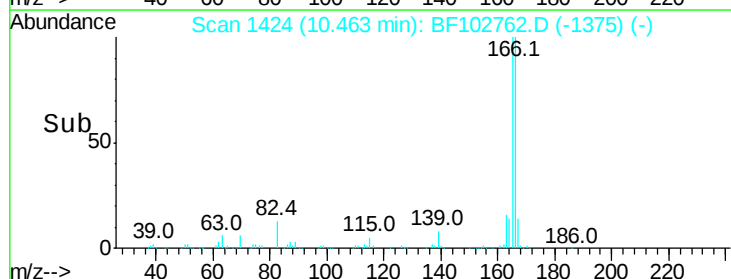
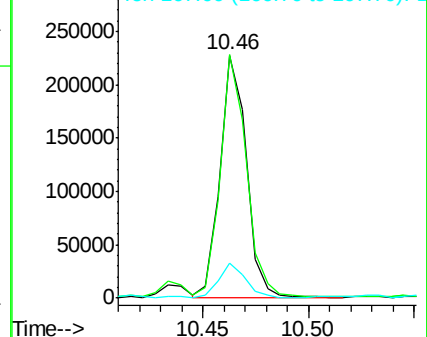
167 14.3 10.6 16.0

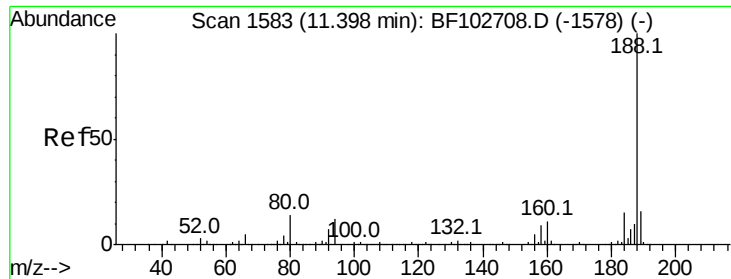


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





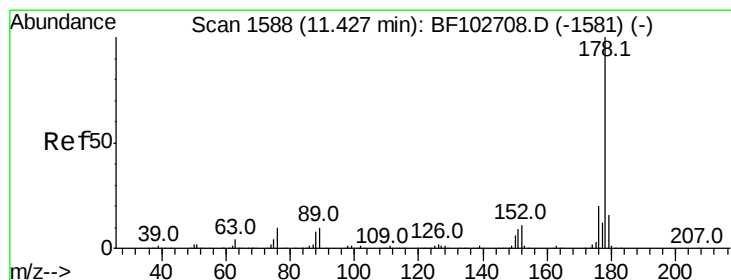
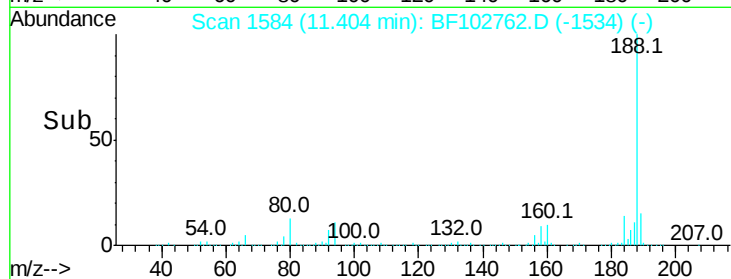
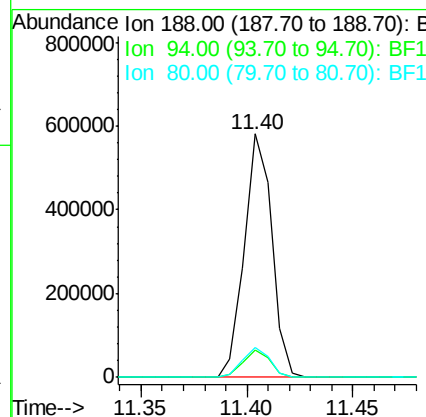
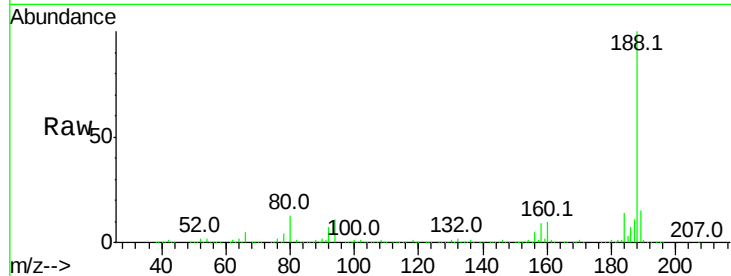
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF102762.D
Acq: 6 Feb 2018 3:04

Instrument :
BNA_F
ClientSampleId :
A2_SB98_BOT_7.5

Tot Ion	Ratio	Resp	Lower	Upper
188	100	524982		
94	11.1		8.5	12.7
80	12.5		9.2	13.8

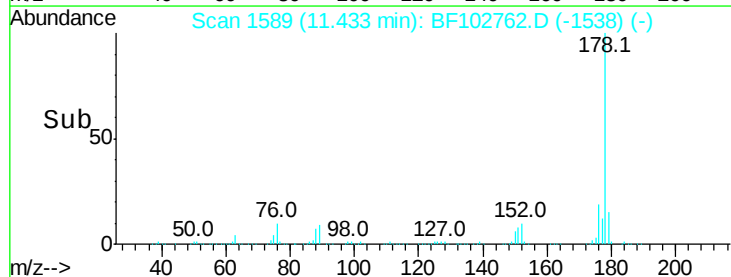
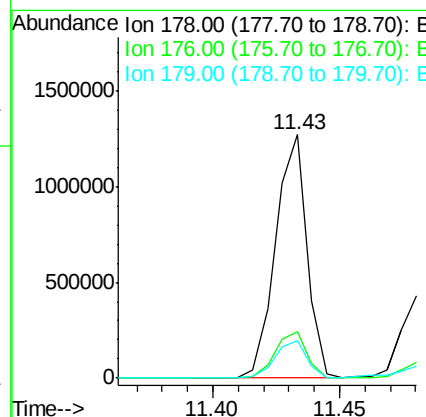
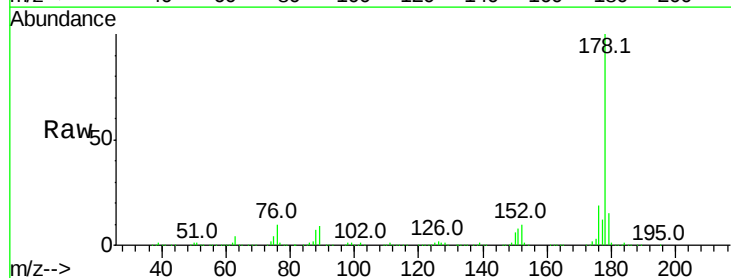
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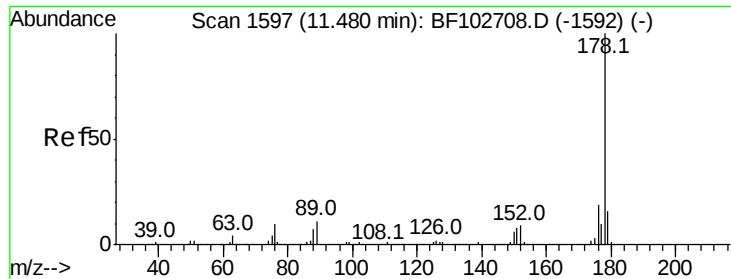
Sohil
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#70
Phenanthrene
Concen: 37.823 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.00 min
Lab File: BF102762.D
Acq: 6 Feb 2018 3:04

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1105860		
176	19.3		15.8	23.8
179	15.5		13.0	19.6





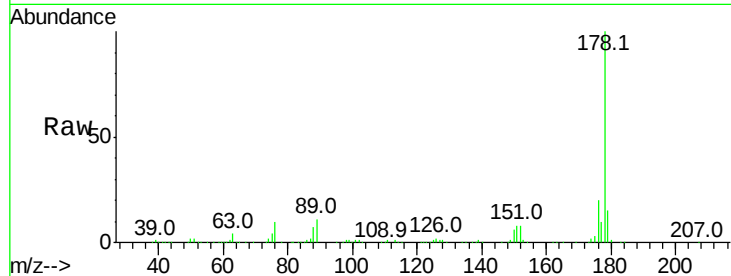
#71
 Anthracene
 Concen: 11.701 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF102762.D
 Acq: 6 Feb 2018 3:04

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB98_BOT_7.5

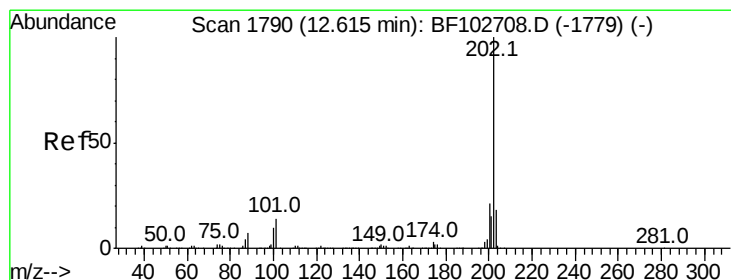
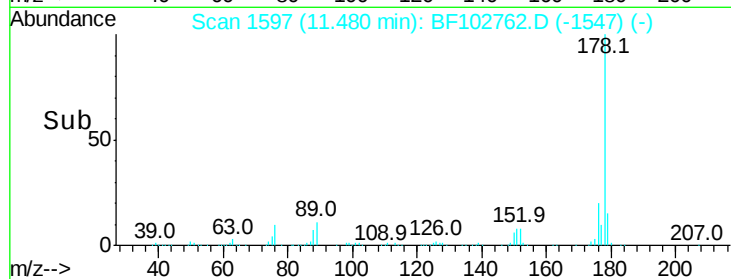
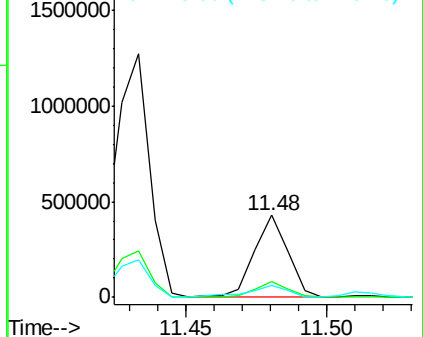
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.4	23.2
179	15.2	12.6	19.0

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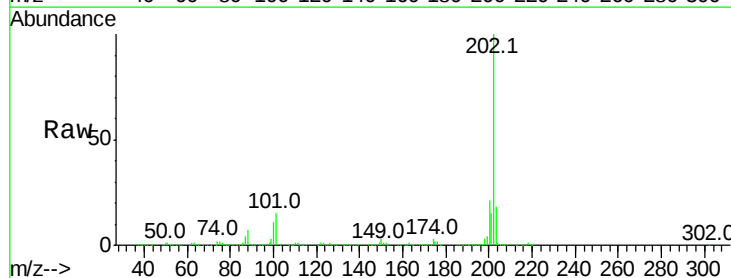


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

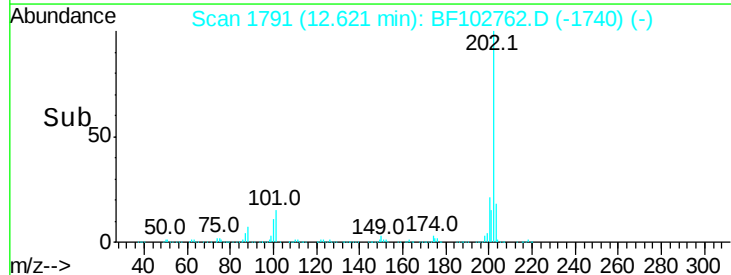
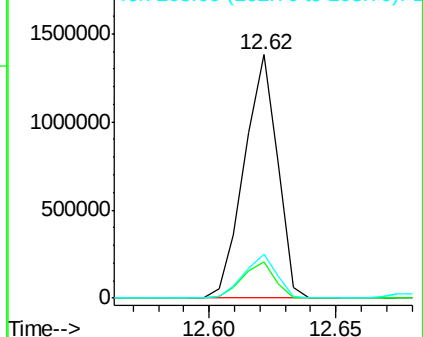


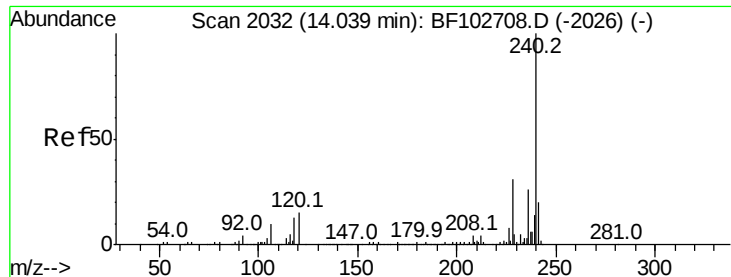
#74
 Fluoranthene
 Concen: 42.930 ng
 RT: 12.62 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: BF102762.D
 Acq: 6 Feb 2018 3:04

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.9	0.0	34.1
203	18.0	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: BF102762.D

Acq: 6 Feb 2018 3:04

Instrument :

BNA_F

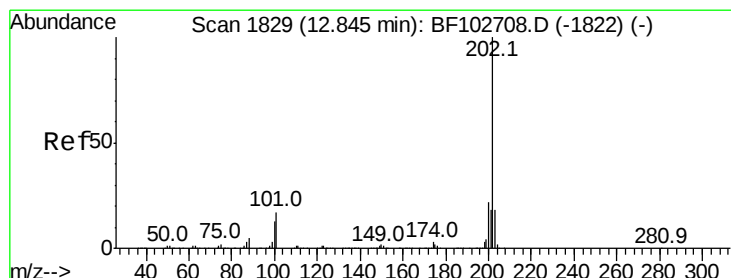
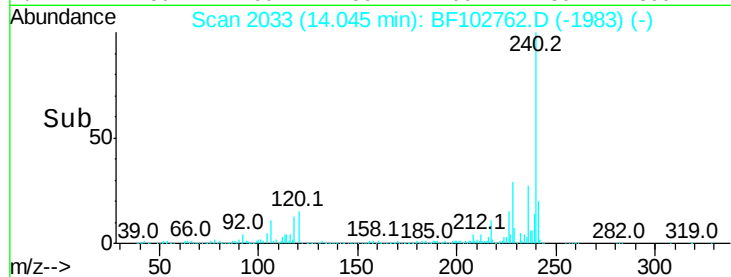
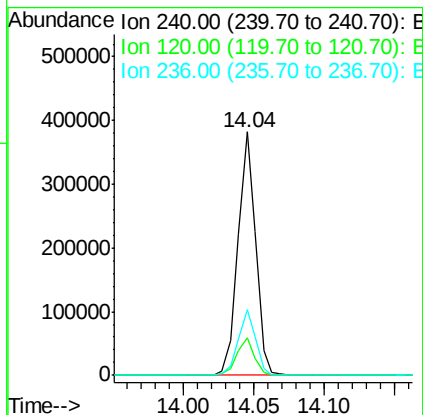
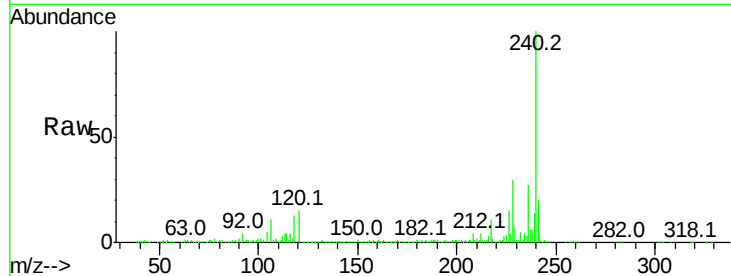
ClientSampleId :

A2_SB98_BOT_7.5

Tot Ion	Ratio	Lower	Upper
240	100		
120	15.2	9.5	14.3#
236	26.8	20.7	31.1

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#77

Pyrene

Concen: 38.093 ng

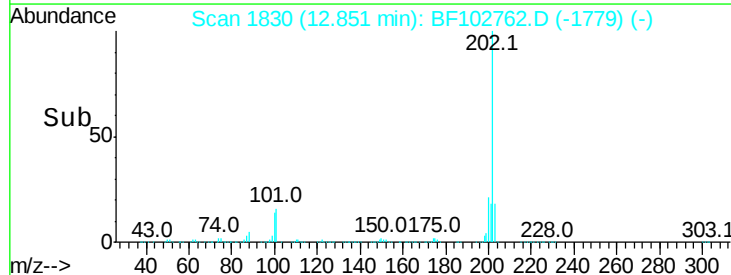
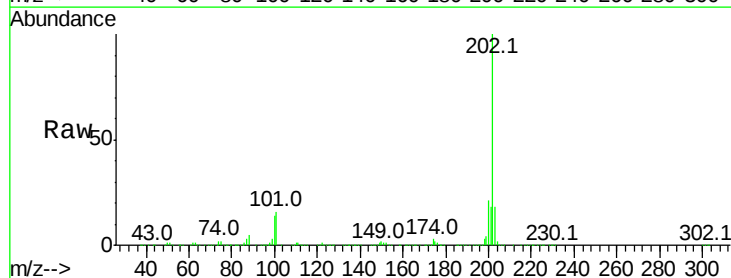
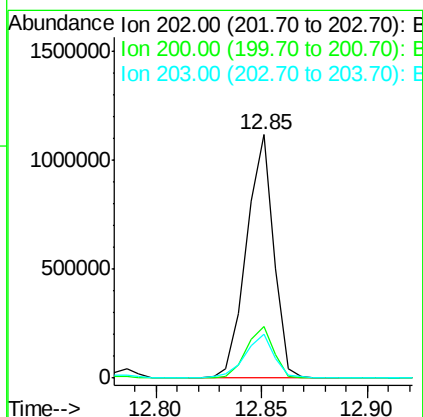
RT: 12.85 min Scan# 1830

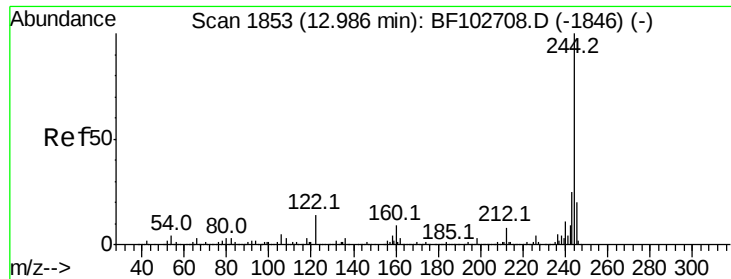
Delta R.T. -0.00 min

Lab File: BF102762.D

Acq: 6 Feb 2018 3:04

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.4	26.2
203	18.0	14.3	21.5





#78

Terphenyl-d14

Concen: 4.366 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF102762.D

Acq: 6 Feb 2018 3:04

Instrument :

BNA_F

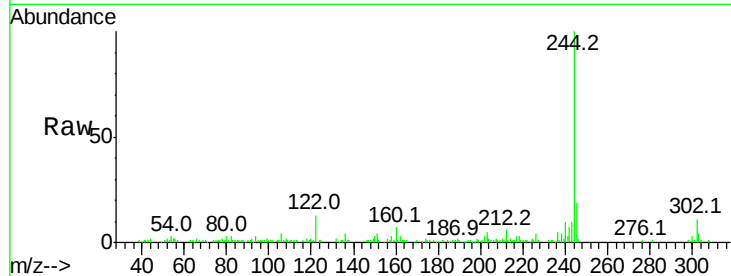
ClientSampleId :

A2_SB98_BOT_7.5

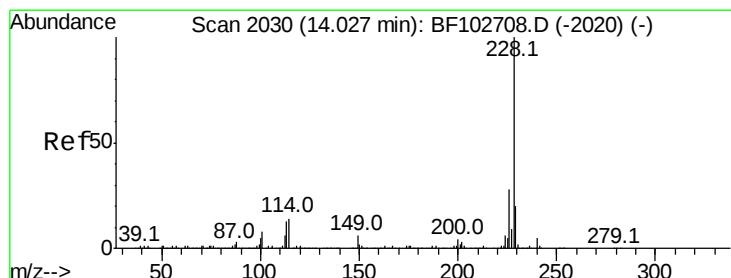
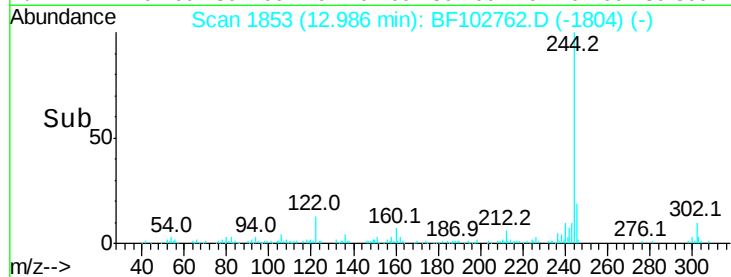
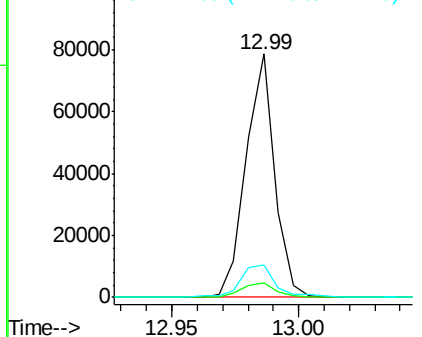
Tot Ion:	244	Resp:	61630
Ion Ratio	Lower	Upper	
244	100		
212	6.2	5.4	8.0
122	13.4	11.0	16.4

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 25.711 ng m

RT: 14.03 min Scan# 2031

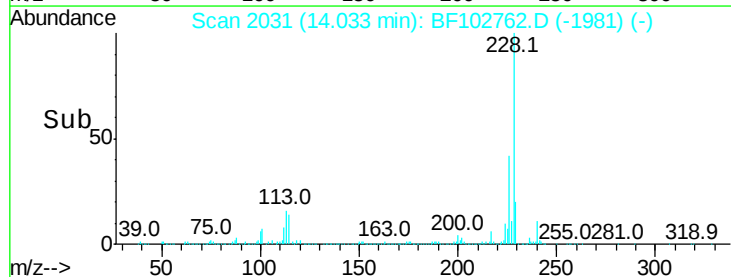
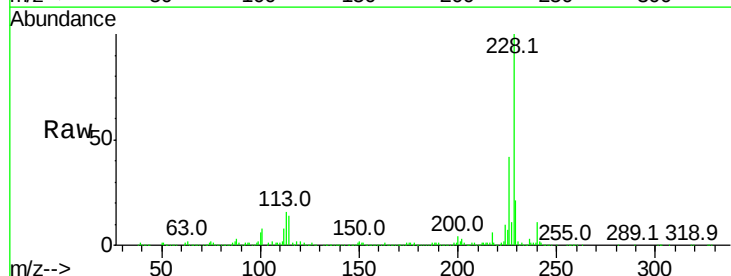
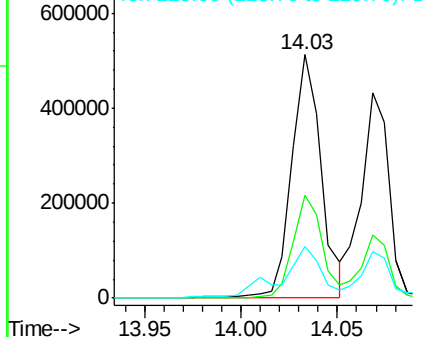
Delta R.T. -0.01 min

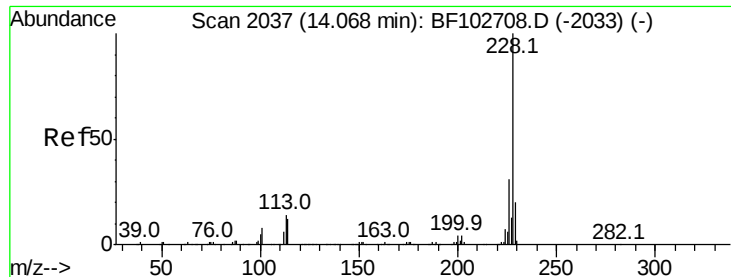
Lab File: BF102762.D

Acq: 6 Feb 2018 3:04

Tgt Ion:	228	Resp:	540448
Ion Ratio	Lower	Upper	
228	100		
226	42.3	22.6	33.8#
229	21.0	15.8	23.6

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





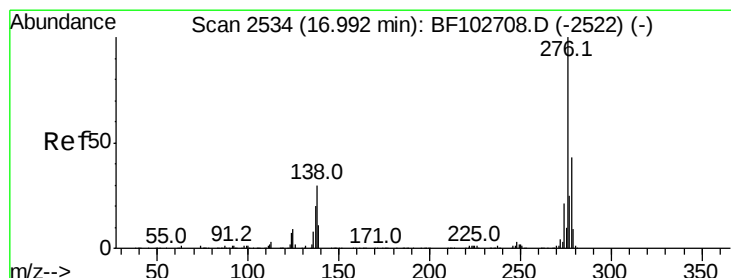
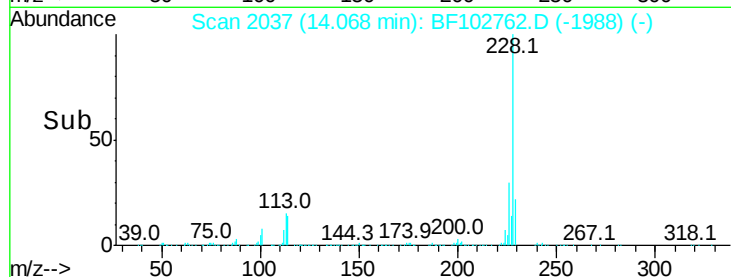
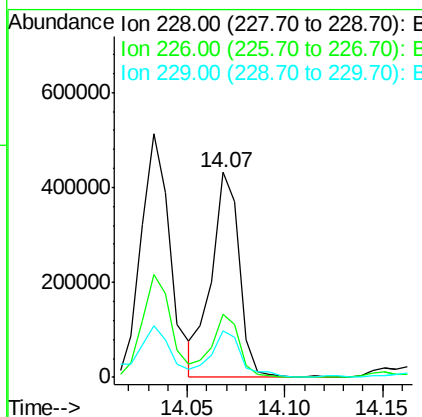
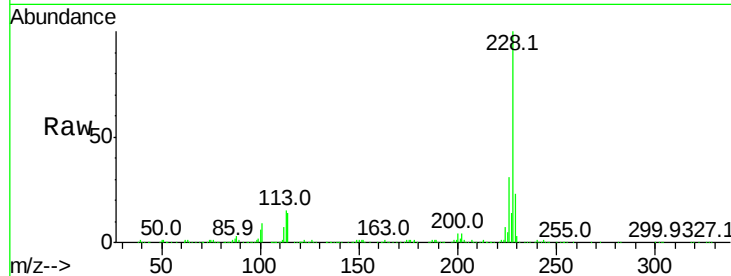
#82
Chrysene
Concen: 19.988 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF102762.D
Acq: 6 Feb 2018 3:04

Instrument :
BNA_F
ClientSampleId :
A2_SB98_BOT_7.5

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.0	37.6
229	22.7	16.2	24.4

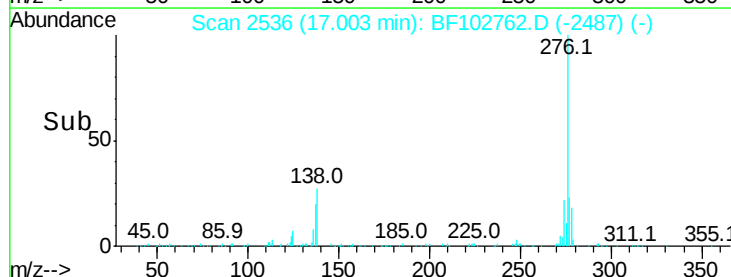
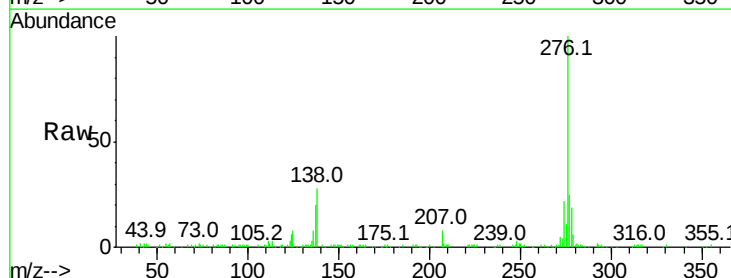
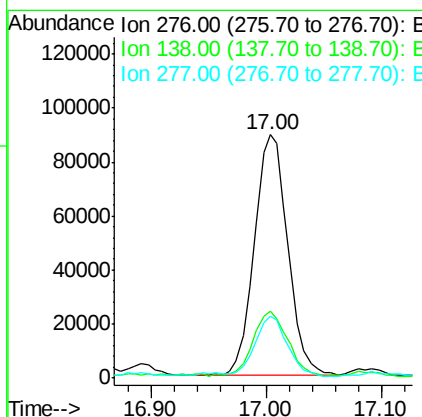
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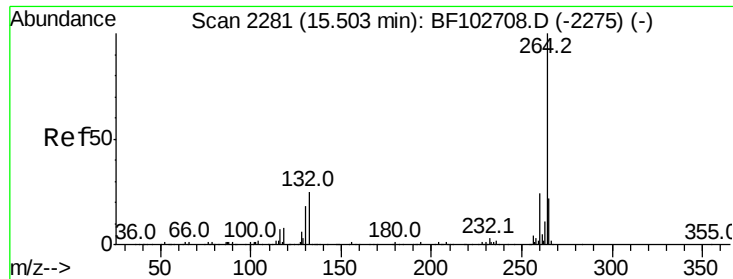
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#85
Indeno(1,2,3-cd)pyrene
Concen: 10.244 ng
RT: 17.00 min Scan# 2536
Delta R.T. -0.01 min
Lab File: BF102762.D
Acq: 6 Feb 2018 3:04

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.3	25.0	37.6
277	25.3	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.52 min Scan# 2284

Delta R.T. -0.01 min

Lab File: BF102762.D

Acq: 6 Feb 2018 3:04

Instrument :

BNA_F

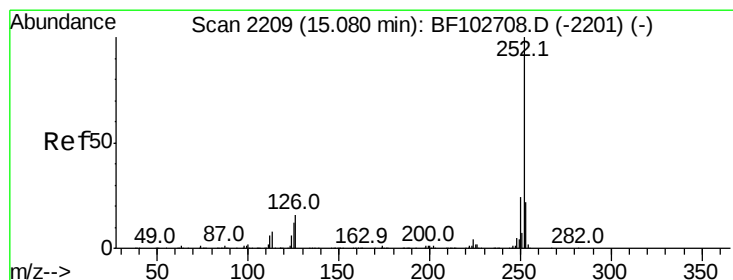
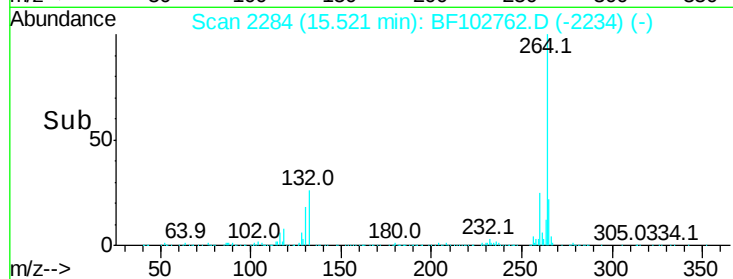
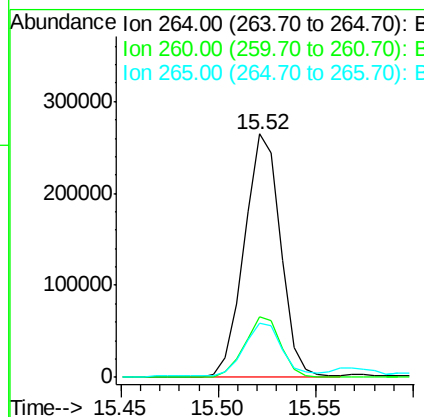
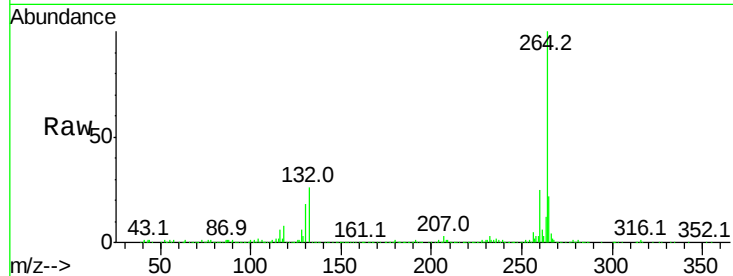
ClientSampleId :

A2_SB98_BOT_7.5

Tot Ion:	264	Resp:	339594
Ion Ratio	Lower	Upper	
264	100		
260	25.0	19.2	28.8
265	22.2	17.5	26.3

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#87

Benzo(b)fluoranthene

Concen: 27.048 ng m

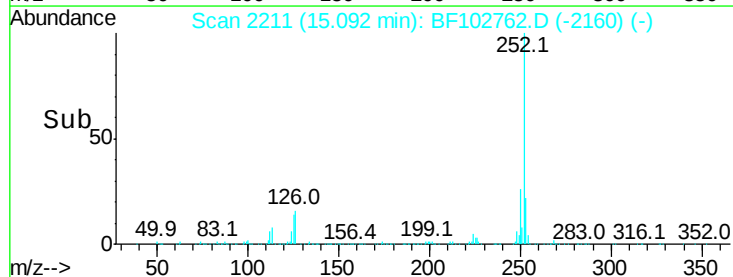
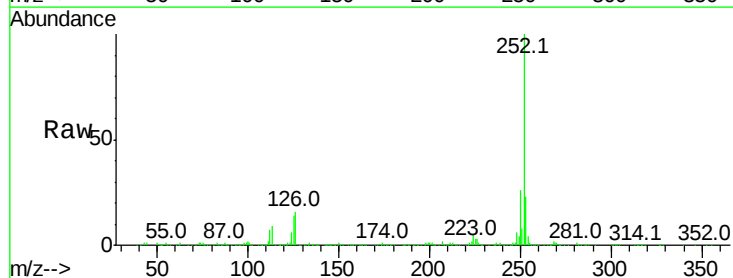
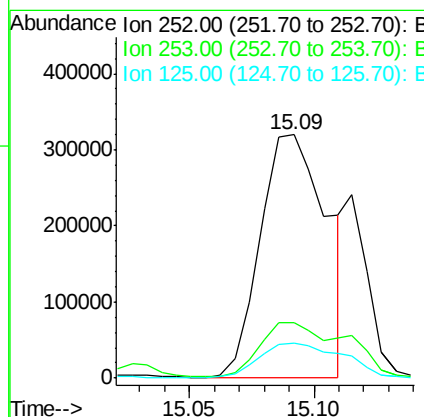
RT: 15.09 min Scan# 2211

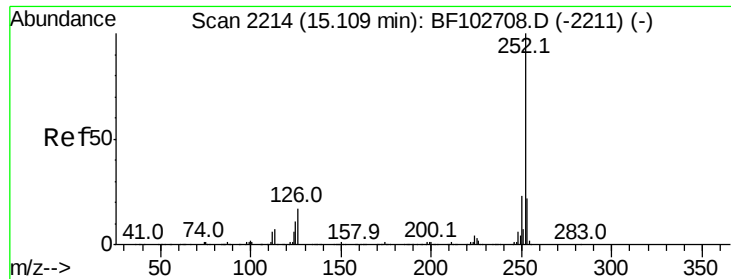
Delta R.T. -0.00 min

Lab File: BF102762.D

Acq: 6 Feb 2018 3:04

Tgt Ion:	252	Resp:	595528
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.0	25.6
125	14.5	9.0	13.6#





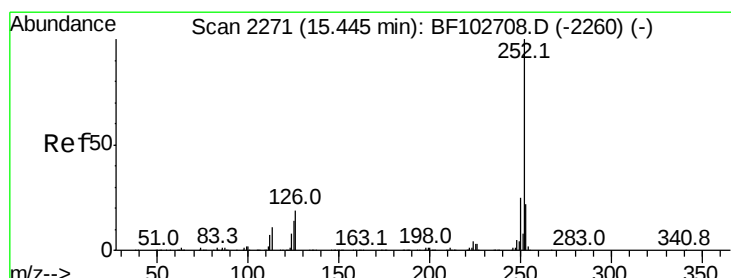
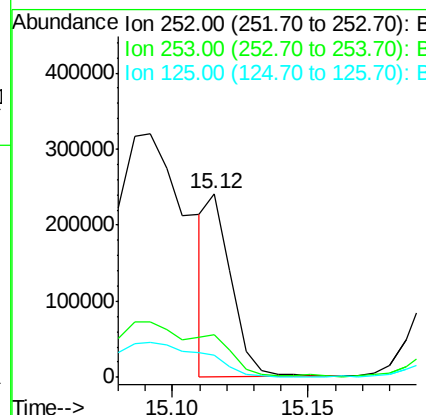
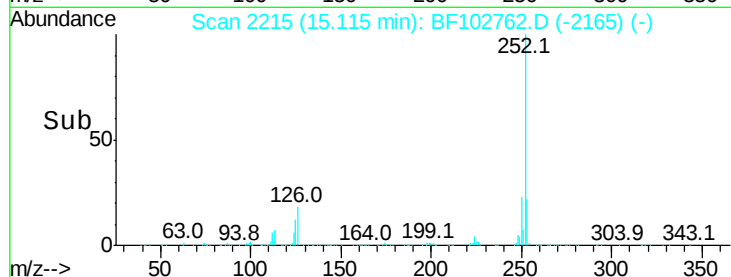
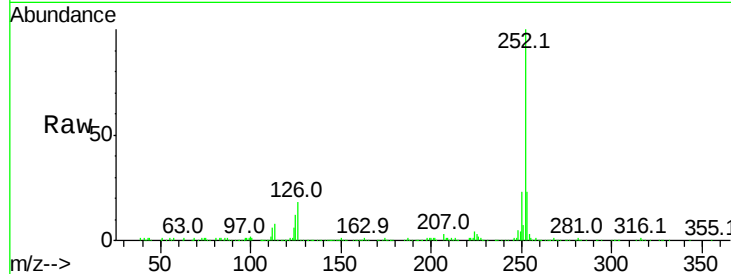
#88
Benzo(k)fluoranthene
Concen: 7.169 ng m
RT: 15.12 min Scan# 2215
Delta R.T. -0.01 min
Lab File: BF102762.D
Acq: 6 Feb 2018 3:04

Instrument :
BNA_F
ClientSampleId :
A2_SB98_BOT_7.5

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	12.2	10.2	15.2

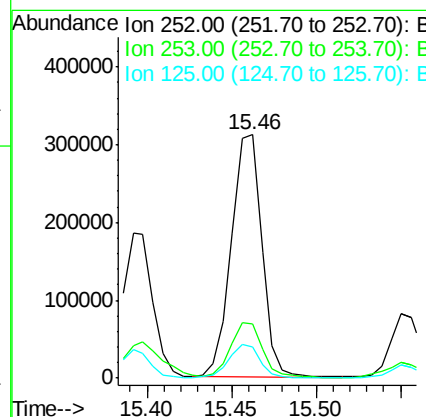
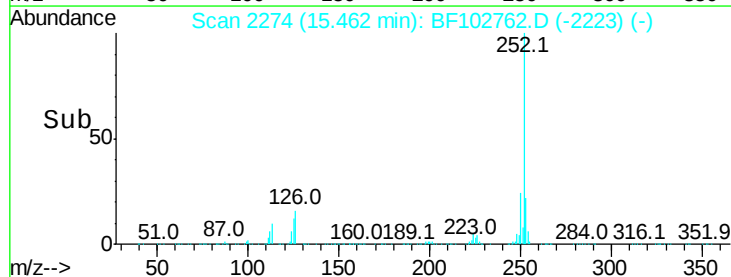
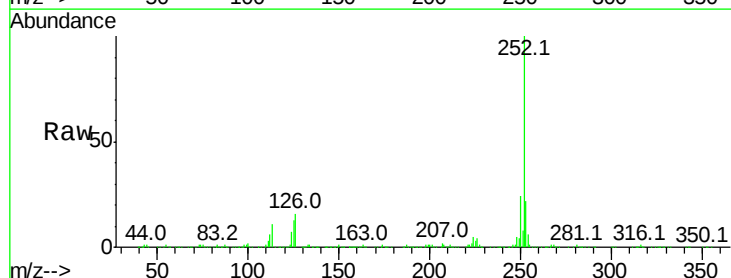
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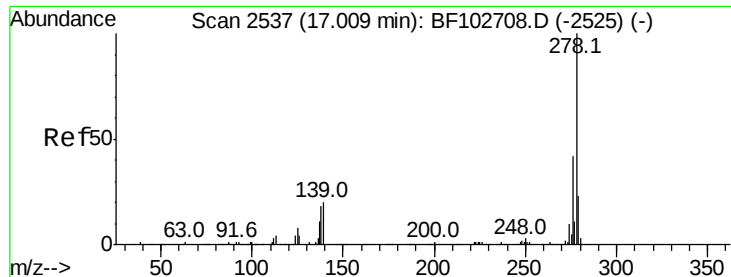
Sohil
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#89
Benzo(a)pyrene
Concen: 19.802 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.00 min
Lab File: BF102762.D
Acq: 6 Feb 2018 3:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.1	25.7
125	12.8	9.8	14.6





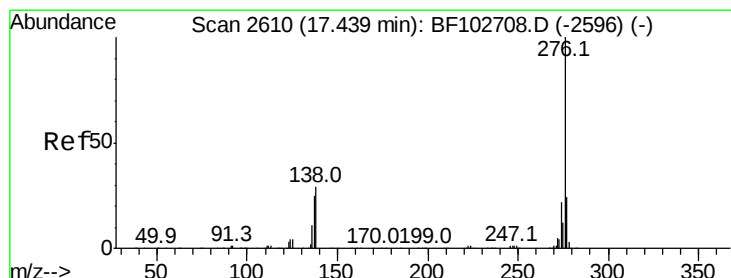
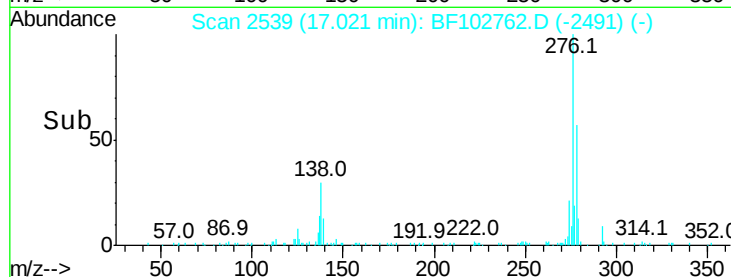
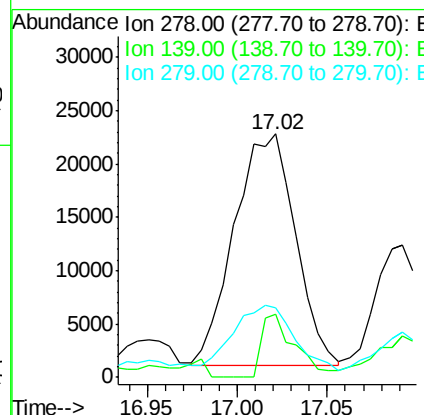
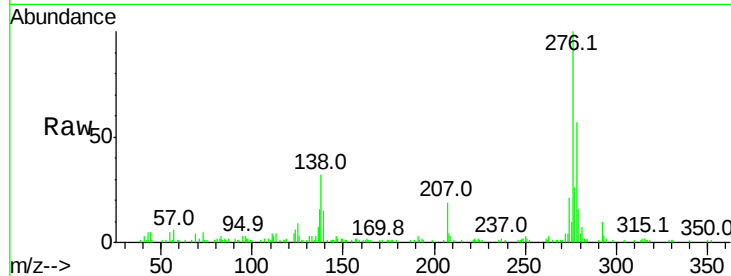
#90
Dibenzo(a,h)anthracene
Concen: 3.187 ng m
RT: 17.02 min Scan# 2539
Delta R.T. -0.02 min
Lab File: BF102762.D
Acq: 6 Feb 2018 3:04

Instrument :
BNA_F
ClientSampleId :
A2_SB98_BOT_7.5

Tot Ion	Ratio	Lower	Upper
278	100		
139	26.0	15.9	23.9#
279	28.4	19.0	28.4

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#91
Benzo(g,h,i)perylene
Concen: 9.326 ng
RT: 17.46 min Scan# 2613
Delta R.T. -0.02 min
Lab File: BF102762.D
Acq: 6 Feb 2018 3:04

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.3	17.9	26.9
138	27.5	21.8	32.8

