

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120718\
 Data File : BF111208.D
 Acq On : 8 Dec 2018 1:34
 Operator : JU/SJ
 Sample : J6260-03
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-01-COMP

Manual Integrations
 APPROVED

Sohil
 12/11/2018 8:44:53 AM

Quant Time: Dec 08 03:30:12 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 05 17:30:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	496688	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	1831352	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	848152	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	1454157	20.00	ng	0.00
76) Chrysene-d12	13.97	240	972247	20.00	ng	0.02
87) Perylene-d12	15.40	264	967945	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.42	112	3162857	99.37	ng	0.00
7) Phenol-d6	6.44	99	3961899	96.63	ng	0.00
23) Nitrobenzene-d5	7.36	82	2423062	78.33	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	772257	114.55	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	3409795	72.26	ng	0.00
79) Terphenyl-d14	12.91	244	2711995	57.13	ng	0.00

Target Compounds

						Qvalue
10) Phenol	6.45	94	283138	6.333	ng	98
31) Naphthalene	8.11	128	776822	9.743	ng	# 93
37) 2-Methylnaphthalene	8.80	142	265262	4.823	ng	96
38) 1-Methylnaphthalene	8.90	142	208036	3.934	ng	99
49) Acenaphthylene	9.70	152	368192	4.882	ng	97
50) Dimethylphthalate	9.55	163	292316	4.952	ng	99
52) Acenaphthene	9.87	154	609900	12.241	ng	98
55) Dibenzofuran	10.05	168	676768	9.862	ng	92
58) Fluorene	10.39	166	701752	14.501	ng	99
71) Phenanthrene	11.36	178	5689543	81.340	ng	92
72) Anthracene	11.40	178	2031250	28.809	ng	97
73) Carbazole	11.55	167	920765	12.550	ng	96
75) Fluoranthene	12.54	202	6632446	96.901	ng	92
78) Pyrene	12.77	202	6042011	79.768	ng	92
81) Benzo(a)anthracene	13.96	228	3738586	65.631	ng	95
83) Chrysene	13.99	228	3530758	62.436	ng	96
86) Indeno(1,2,3-cd)pyrene	16.82	276	1351806	29.773	ng	# 88
88) Benzo(b)fluoranthene	15.00	252	4102497m	74.798	ng	
89) Benzo(k)fluoranthene	15.02	252	1502396m	28.335	ng	
90) Benzo(a)pyrene	15.35	252	2934317	58.326	ng	98
91) Dibenzo(a,h)anthracene	16.83	278	378340	8.962	ng	92
92) Benzo(g,h,i)perylene	17.24	276	1196504	28.203	ng	97

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

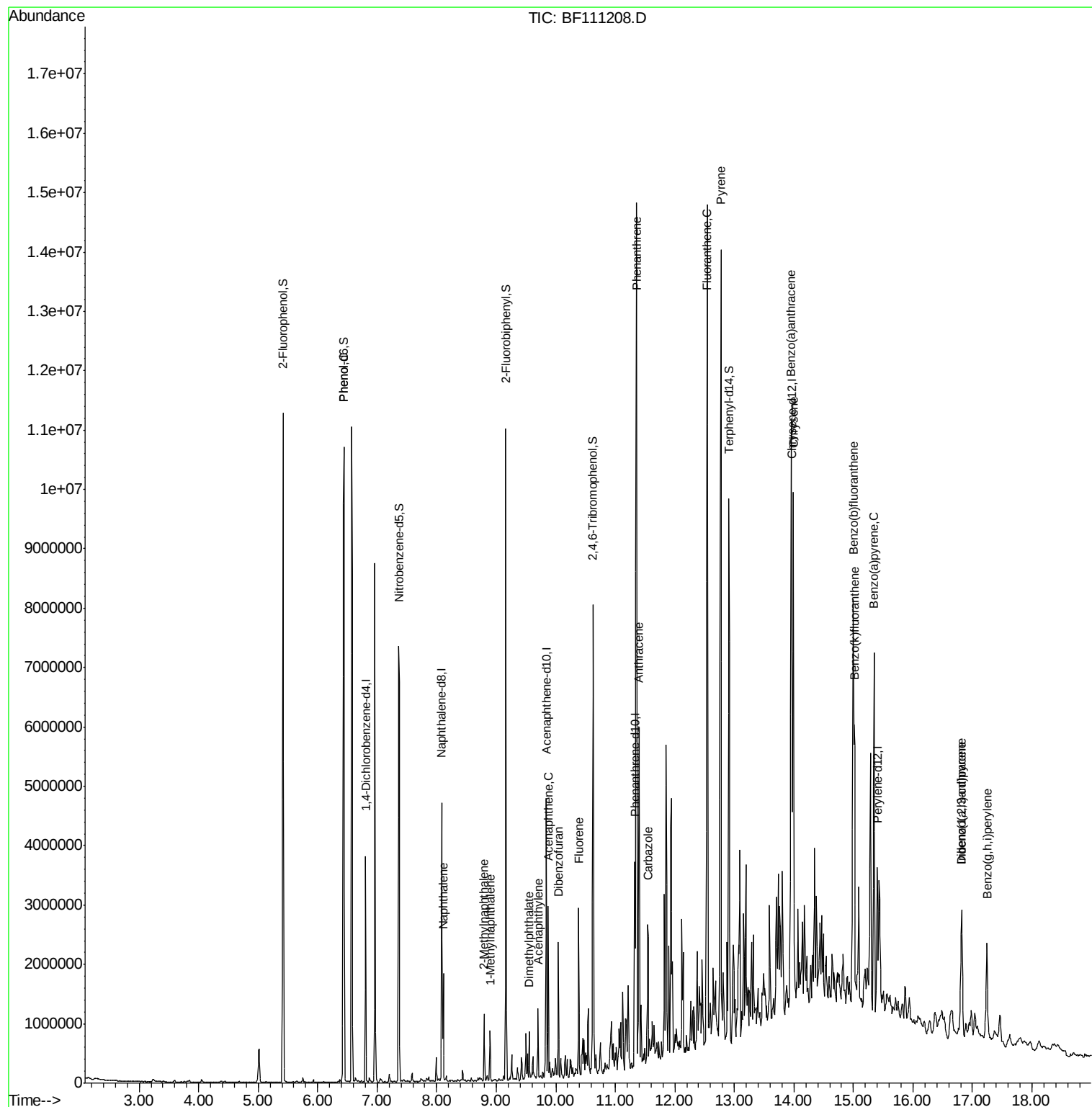
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120718\
Data File : BF111208.D
Acq On : 8 Dec 2018 1:34
Operator : JU/SJ
Sample : J6260-03
Misc :
ALS Vial : 30 Sample Multiplier: 1

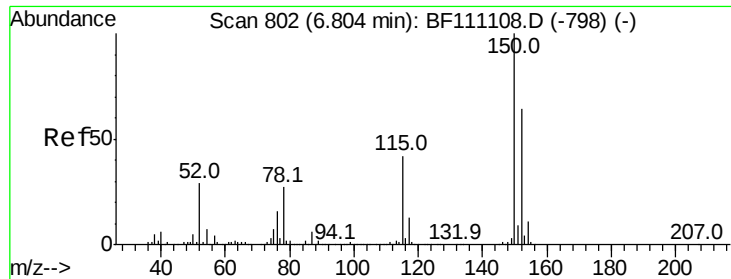
Instrument :
BNA_F
ClientSampleId :
SB-01-COMP

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

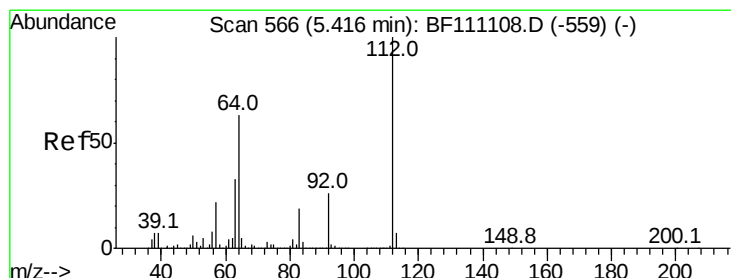
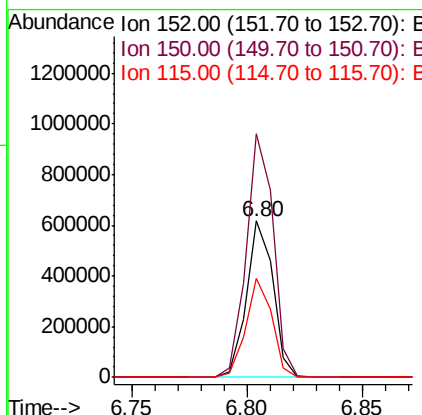
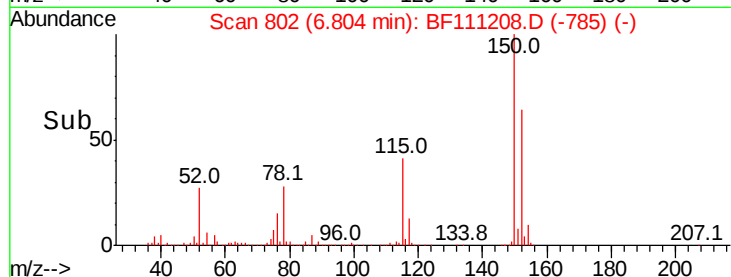
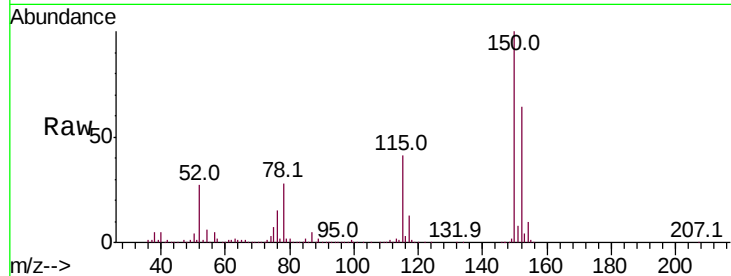
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF111208.D
Acq: 8 Dec 2018 1:34

Instrument :
BNA_F
ClientSampleId :
SB-01-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	124.6	187.0
115	63.8	52.2	78.2

Manual Integrations
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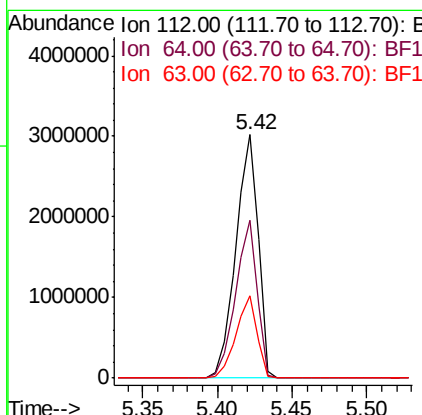
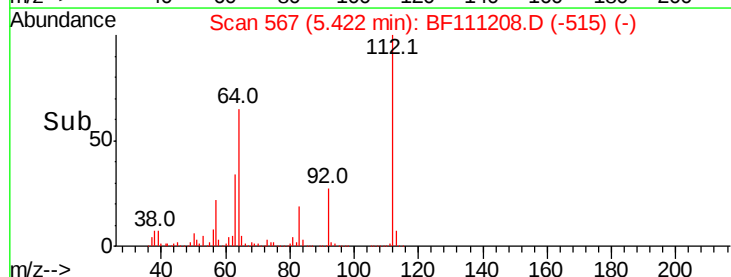
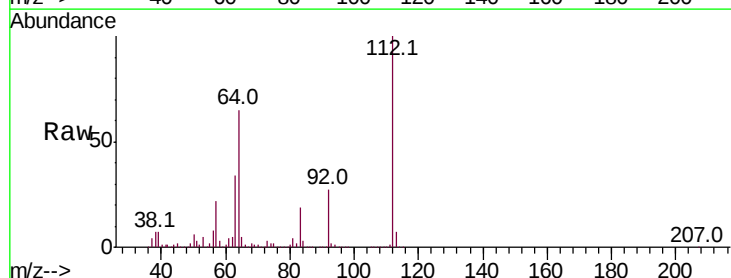
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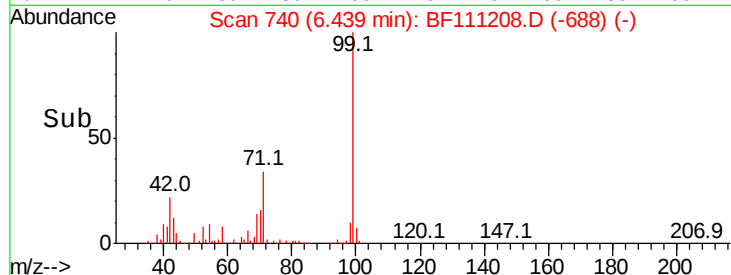
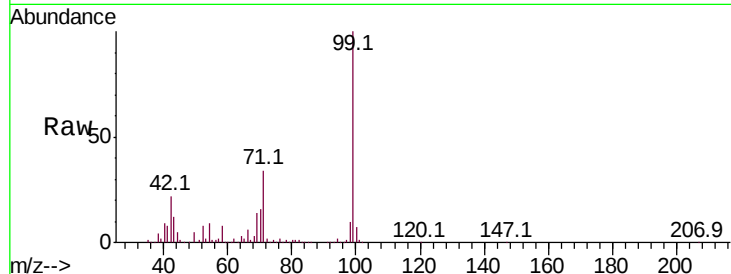
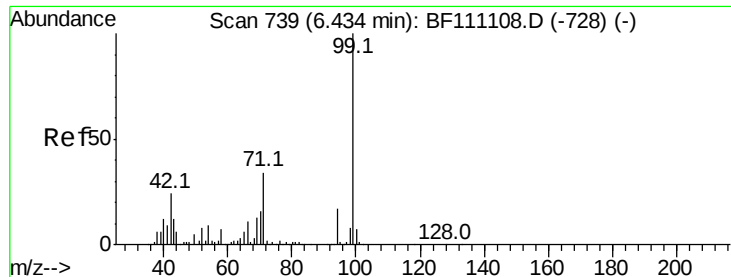


#5

2-Fluorophenol
Concen: 99.368 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF111208.D
Acq: 8 Dec 2018 1:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.6	50.2	75.4
63	33.9	26.6	39.8





#7

Phenol-d6

Concen: 96.627 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF111208.D

Acq: 8 Dec 2018 1:34

Tot Ion: 99 Resp: 3961899

Ion Ratio Lower Upper

99 100

42 22.4 19.3 28.9

71 33.6 27.4 41.2

Instrument :

BNA_F

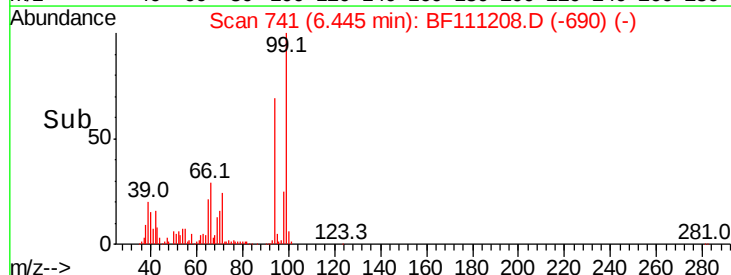
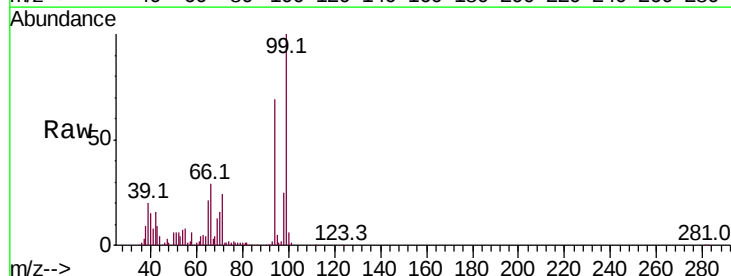
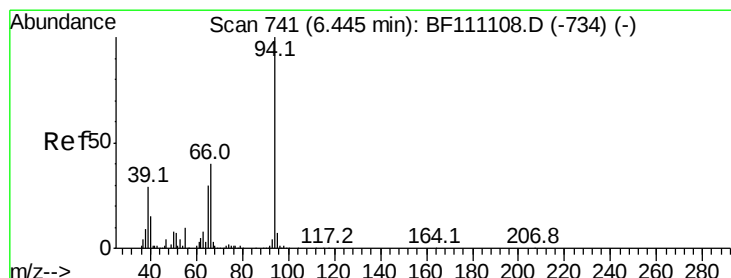
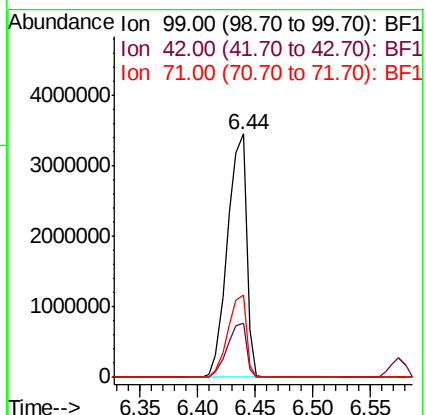
ClientSampleId :

SB-01-COMP

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#10

Phenol

Concen: 6.333 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF111208.D

Acq: 8 Dec 2018 1:34

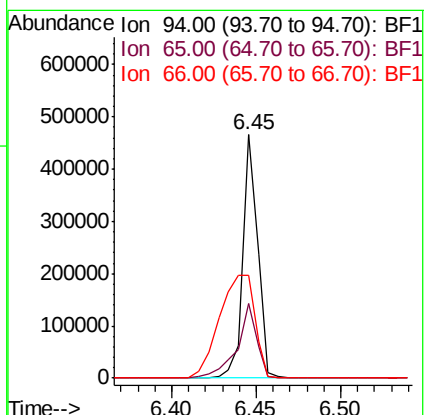
Tgt Ion: 94 Resp: 283138

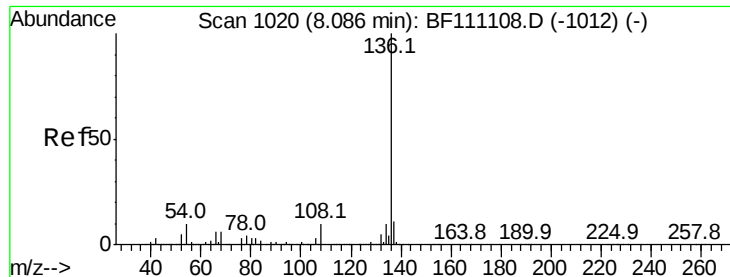
Ion Ratio Lower Upper

94 100

65 30.5 10.5 50.5

66 42.0 19.8 59.8





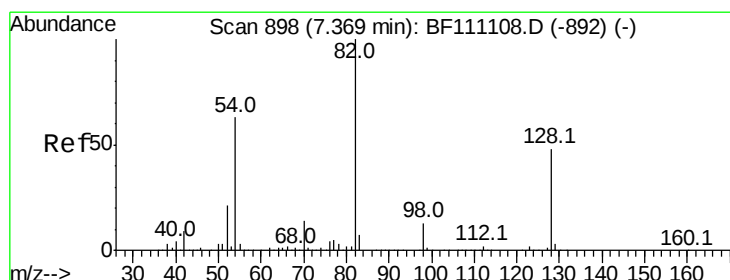
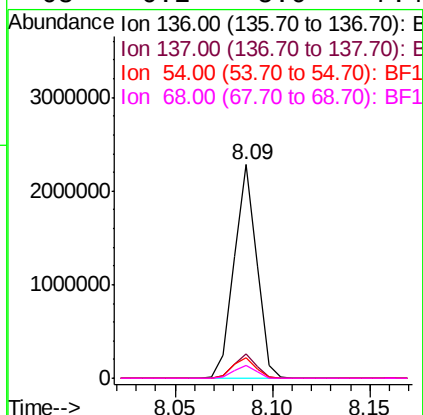
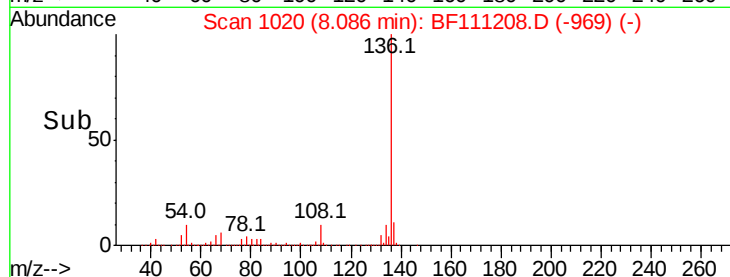
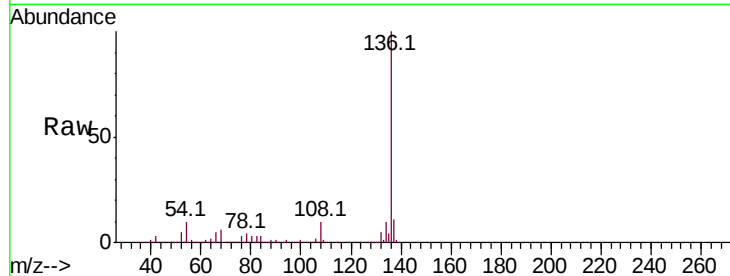
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BF111208.D
Acq: 8 Dec 2018 1:34

Instrument :
BNA_F
ClientSampleId :
SB-01-COMP

Tot Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.6
54	9.7	8.4	12.6
68	6.2	5.0	7.4

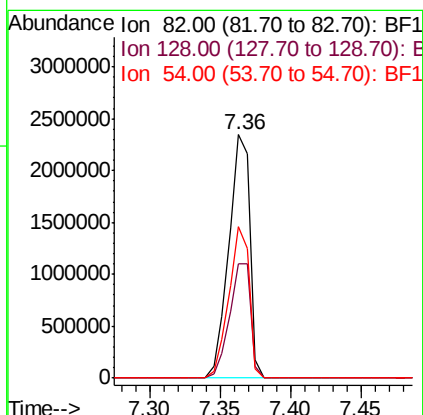
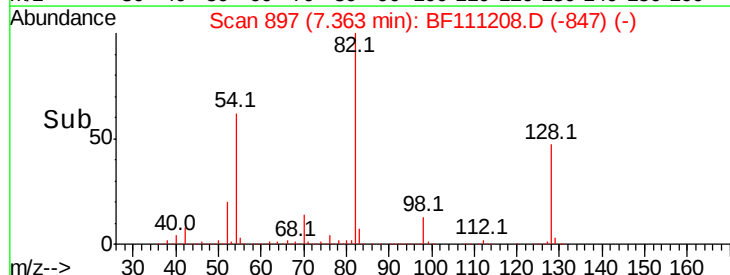
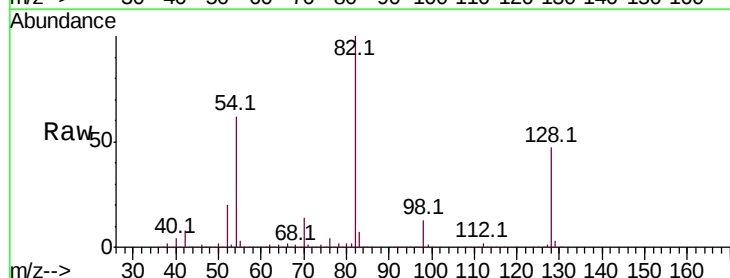
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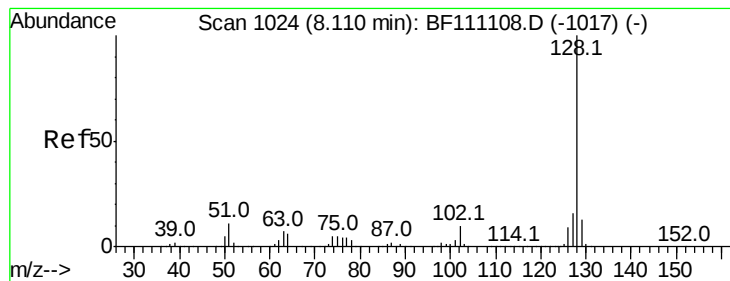
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#23
Nitrobenzene-d5
Concen: 78.332 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF111208.D
Acq: 8 Dec 2018 1:34

Tgt Ion	Ratio	Lower	Upper
82	100		
128	47.0	38.1	57.1
54	62.4	50.3	75.5





#31

Naphthalene

Concen: 9.743 ng

RT: 8.11 min Scan# 1024

Delta R.T. -0.00 min

Lab File: BF111208.D

Acq: 8 Dec 2018 1:34

Instrument :

BNA_F

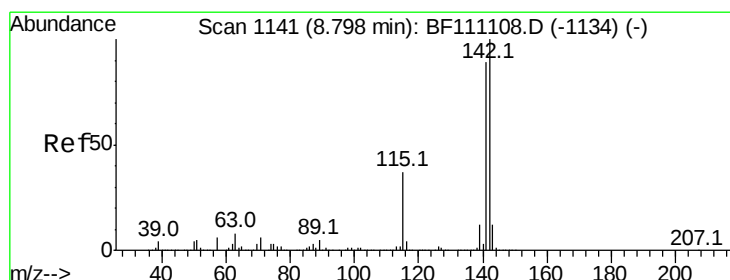
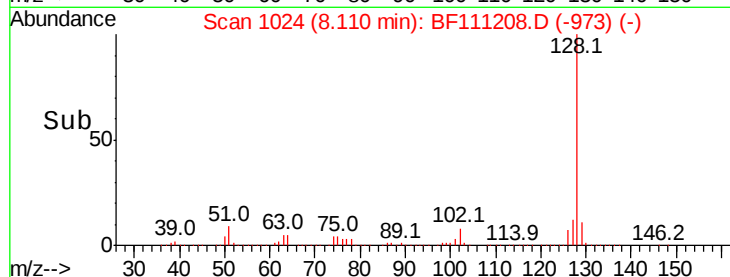
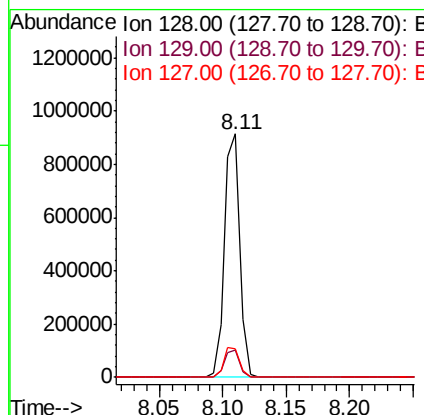
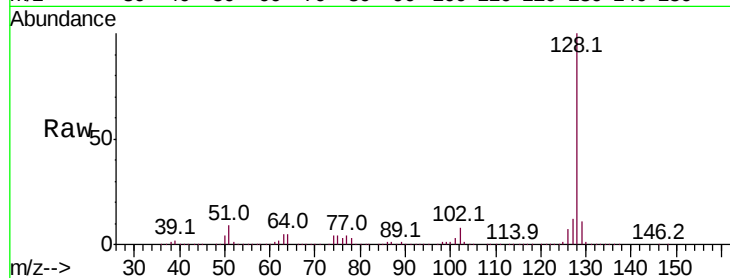
ClientSampleId :

SB-01-COMP

Tot Ion:	128	Resp:	776822
Ion Ratio	Lower	Upper	
128	100		
129	11.0	10.5	15.7
127	11.9	12.5	18.7#

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#37

2-Methylnaphthalene

Concen: 4.823 ng

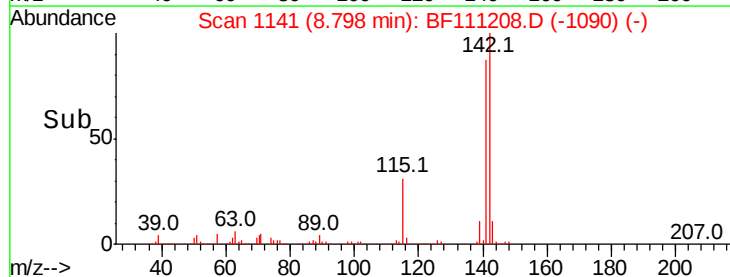
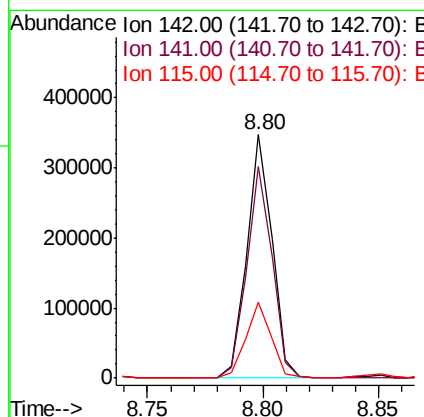
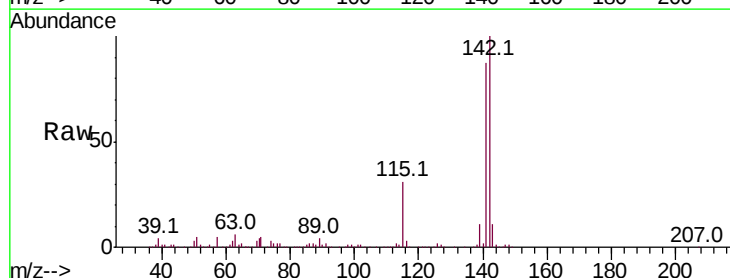
RT: 8.80 min Scan# 1141

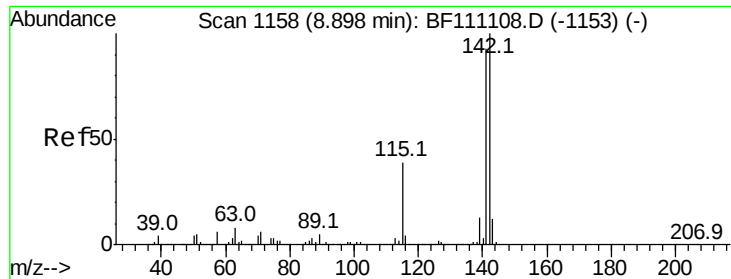
Delta R.T. -0.00 min

Lab File: BF111208.D

Acq: 8 Dec 2018 1:34

Tgt Ion:	142	Resp:	265262
Ion Ratio	Lower	Upper	
142	100		
141	86.8	71.4	107.0
115	31.2	29.2	43.8





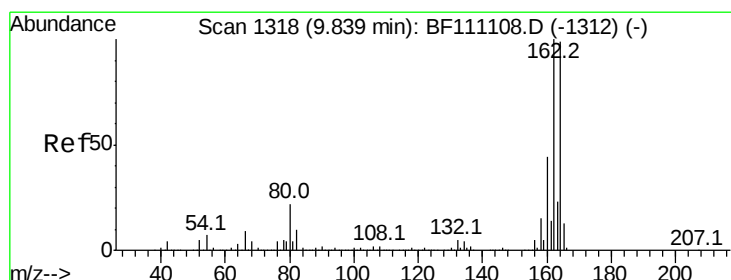
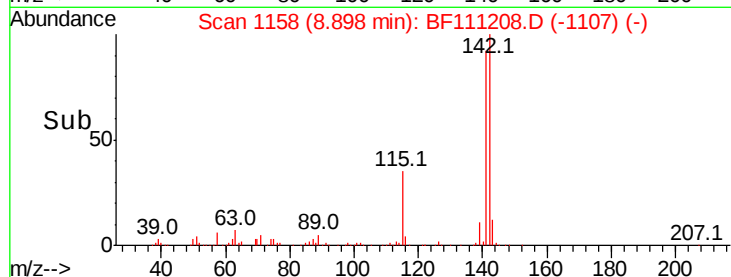
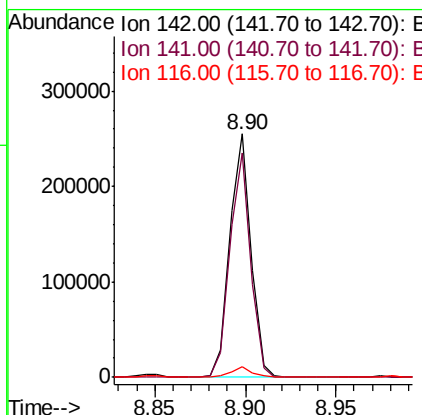
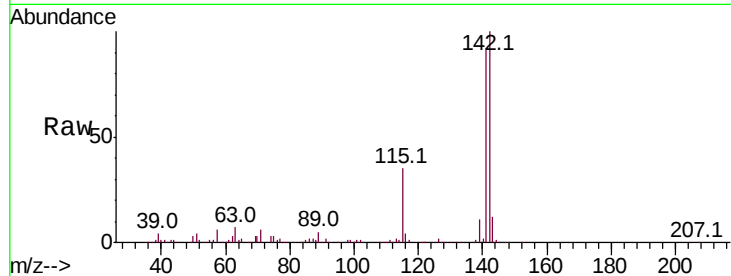
#38
1-Methylnaphthalene
Concen: 3.934 ng
RT: 8.90 min Scan# 1158
Delta R.T. -0.00 min
Lab File: BF111208.D
Acq: 8 Dec 2018 1:34

Instrument :
BNA_F
ClientSampleId :
SB-01-COMP

Tot Ion	Ratio	Resp	Lower	Upper
142	100	208036		
141	92.0		74.5	111.7
116	4.2		3.2	4.8

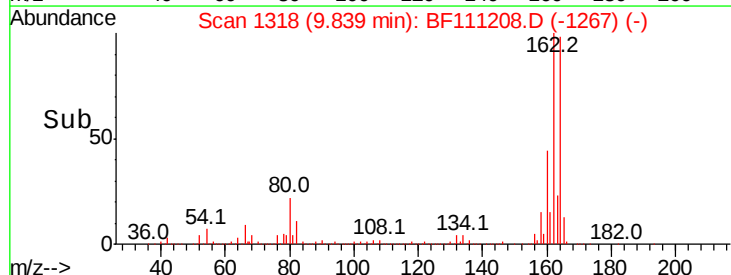
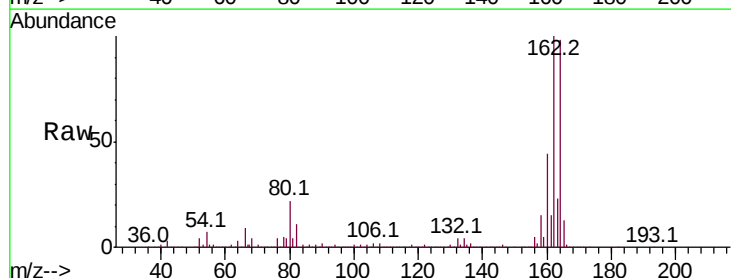
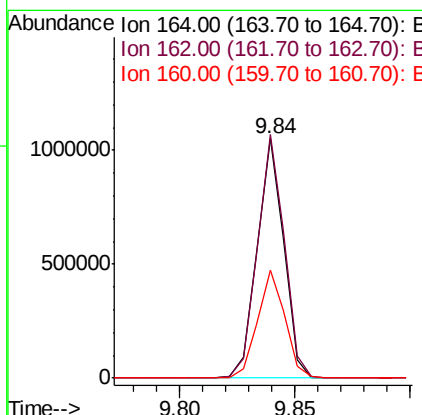
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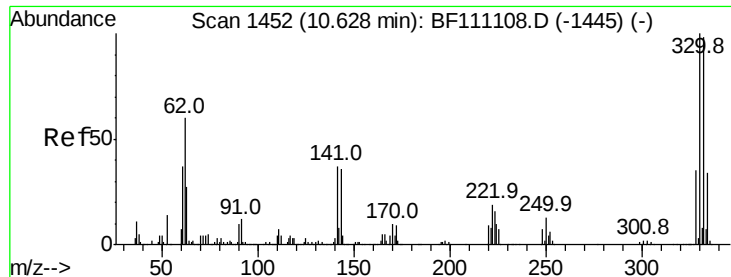
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BF111208.D
Acq: 8 Dec 2018 1:34

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	848152		
162	101.7		80.6	120.8
160	45.1		35.5	53.3





#42

2,4,6-Tribromophenol

Concen: 114.547 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.00 min

Lab File: BF111208.D

Acq: 8 Dec 2018 1:34

Instrument :

BNA_F

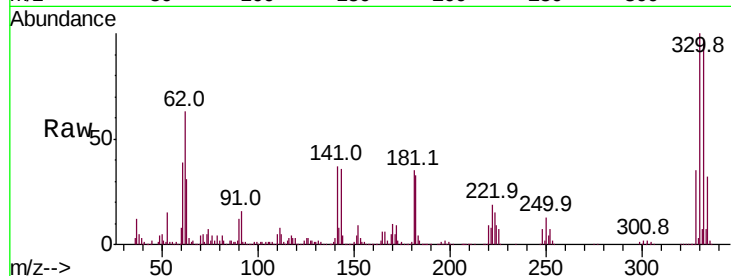
ClientSampled :

SB-01-COMP

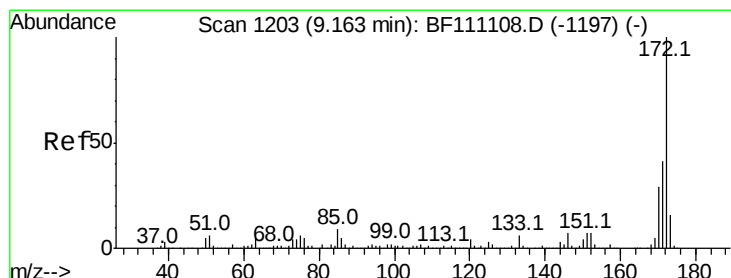
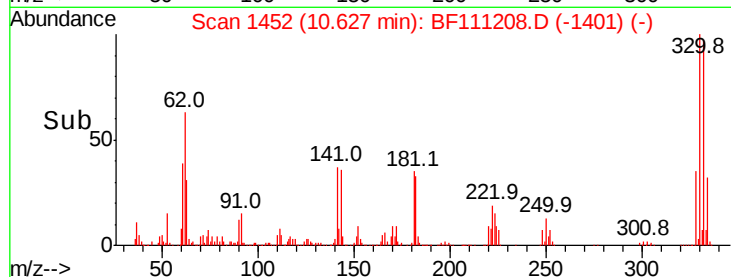
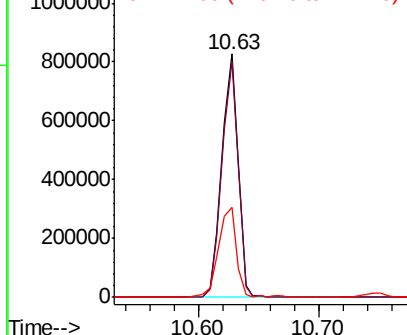
Tot Ion:	330	Resp:	772257
Ion Ratio	Lower	Upper	
330	100		
332	96.8	77.2	115.8
141	39.6	36.1	54.1

Manual Integrations
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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 72.264 ng

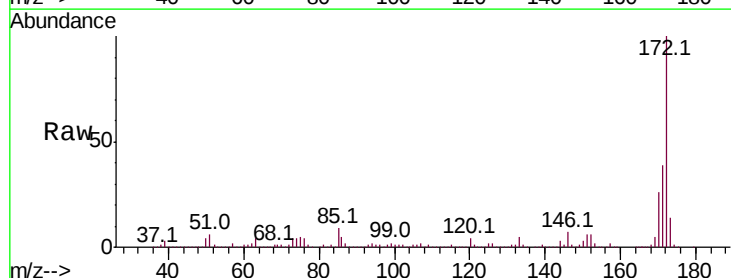
RT: 9.16 min Scan# 1203

Delta R.T. 0.00 min

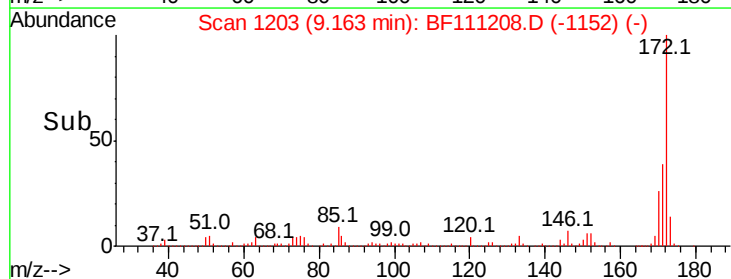
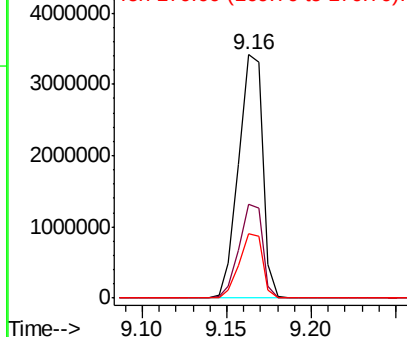
Lab File: BF111208.D

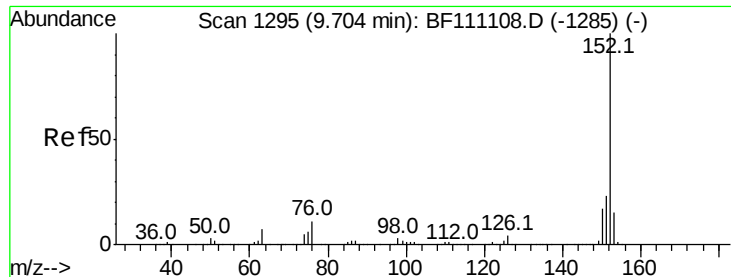
Acq: 8 Dec 2018 1:34

Tgt Ion:	172	Resp:	3409795
Ion Ratio	Lower	Upper	
172	100		
171	38.5	33.2	49.8
170	26.2	22.9	34.3



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





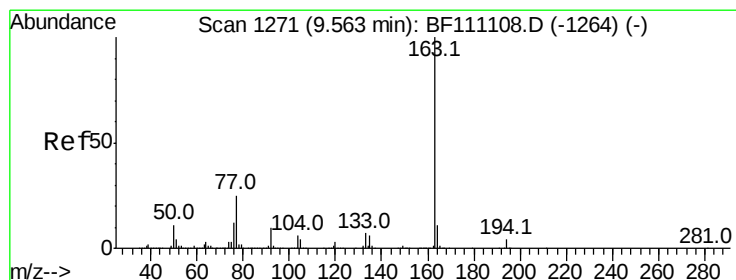
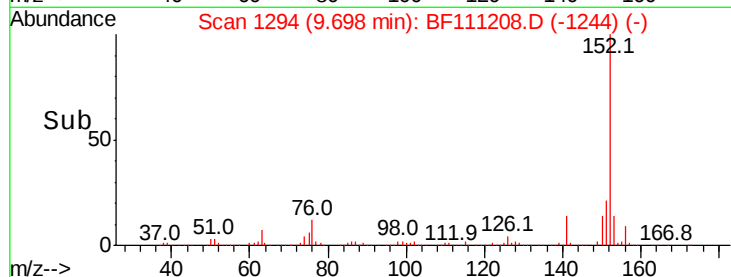
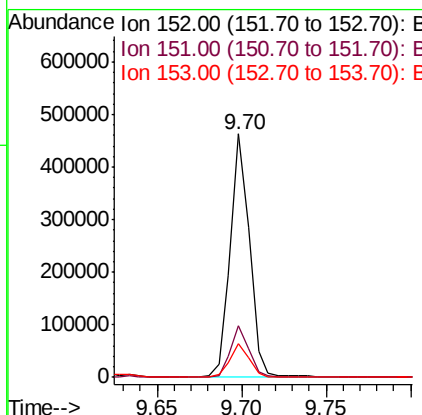
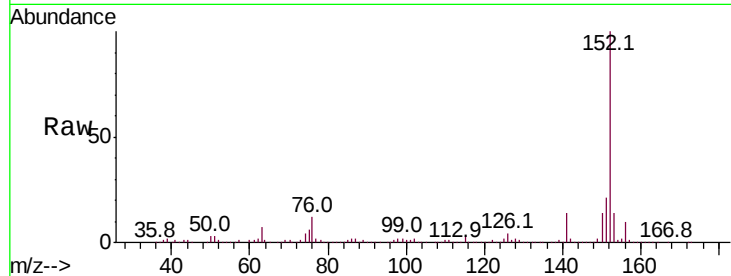
#49
Acenaphthylene
Concen: 4.882 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BF111208.D
Acq: 8 Dec 2018 1:34

Instrument :
BNA_F
ClientSampleId :
SB-01-COMP

Tot Ion	Ratio	Resp	Lower	Upper
152	100	368192		
151	21.1	18.3	27.5	
153	13.8	11.8	17.8	

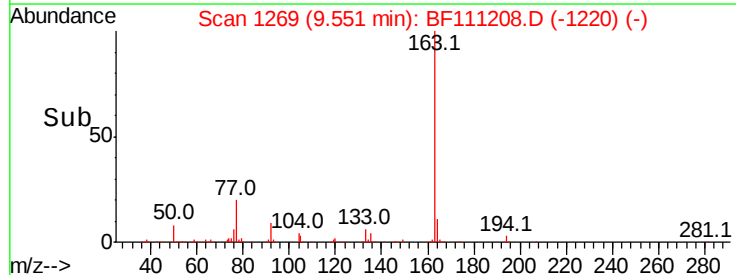
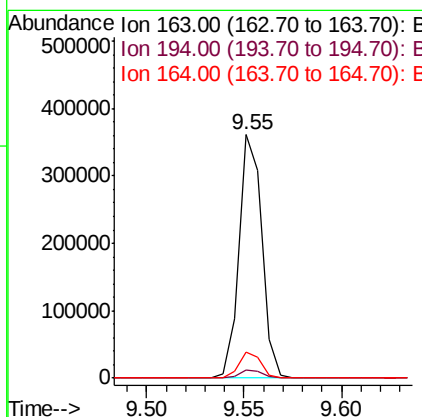
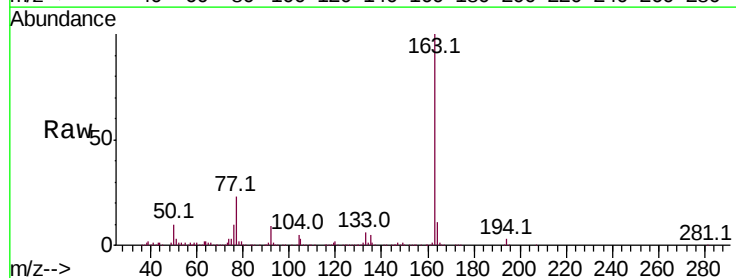
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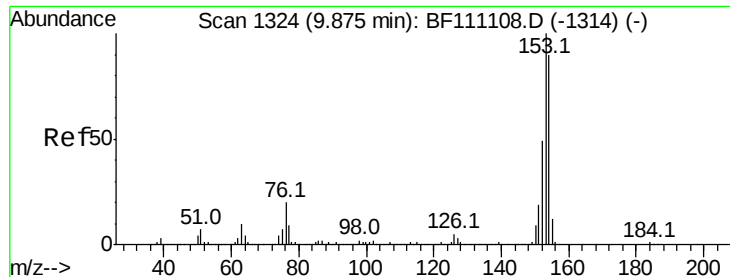
Sohil
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#50
Dimethylphthalate
Concen: 4.952 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.01 min
Lab File: BF111208.D
Acq: 8 Dec 2018 1:34

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	292316		
194	3.4	3.0	4.4	
164	10.5	8.9	13.3	





#52

Acenaphthene

Concen: 12.241 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.00 min

Lab File: BF111208.D

Acq: 8 Dec 2018 1:34

Instrument :

BNA_F

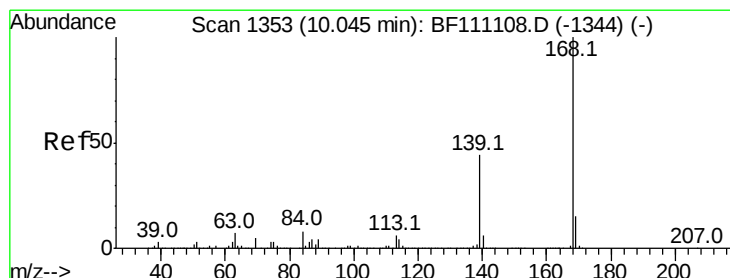
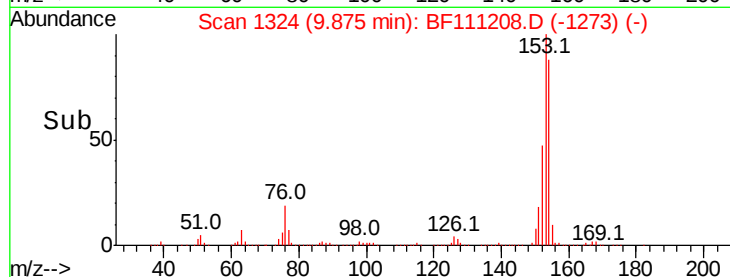
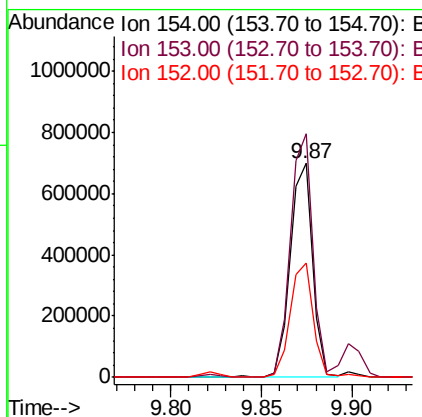
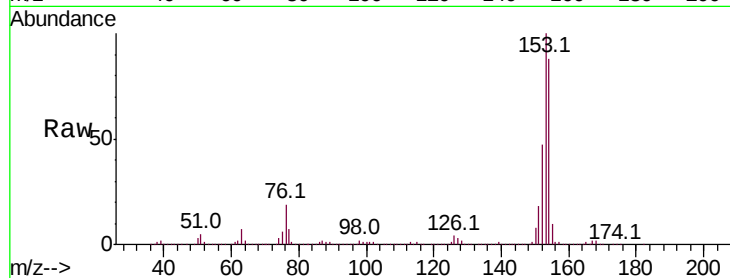
ClientSampleId :

SB-01-COMP

Tot Ion:	154	Resp:	609900
Ion Ratio	Lower	Upper	
154	100		
153	113.8	88.7	133.1
152	53.6	43.8	65.8

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#55

Dibenzofuran

Concen: 9.862 ng

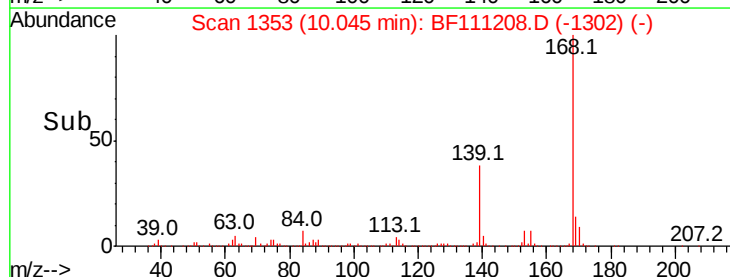
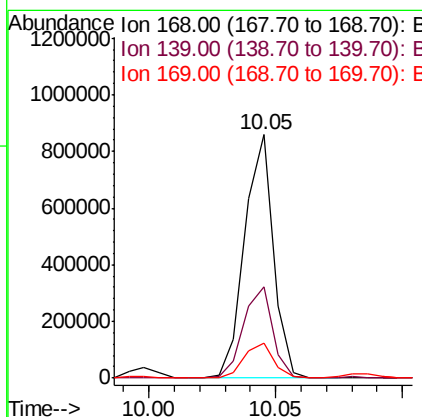
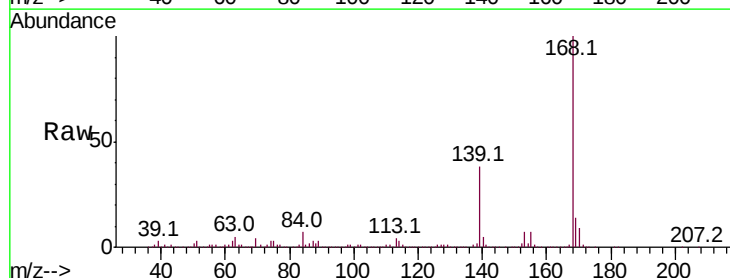
RT: 10.05 min Scan# 1353

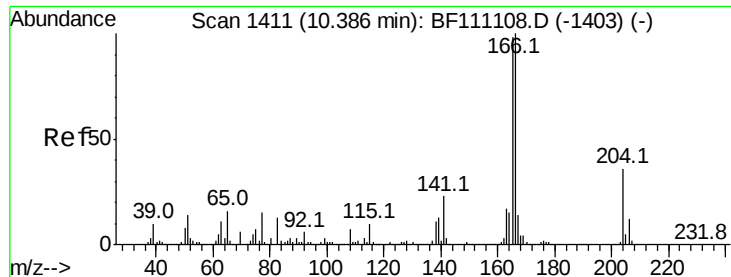
Delta R.T. -0.00 min

Lab File: BF111208.D

Acq: 8 Dec 2018 1:34

Tgt Ion:	168	Resp:	676768
Ion Ratio	Lower	Upper	
168	100		
139	37.6	35.1	52.7
169	14.3	12.2	18.4





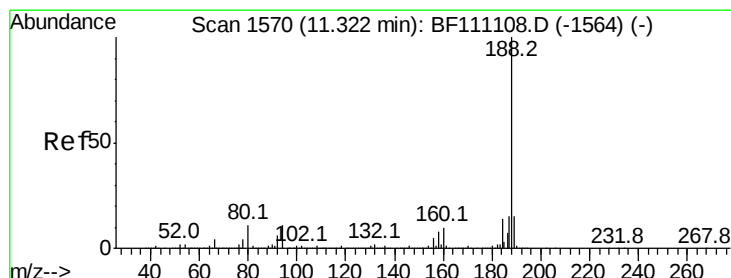
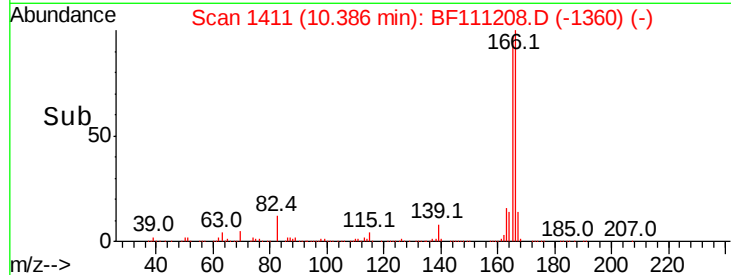
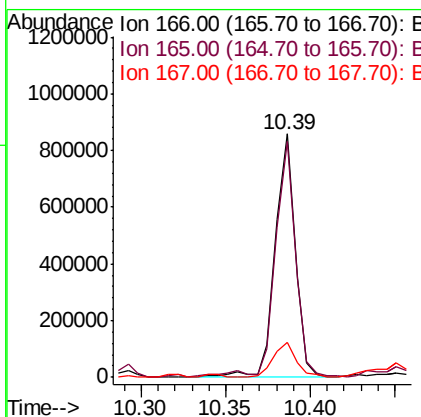
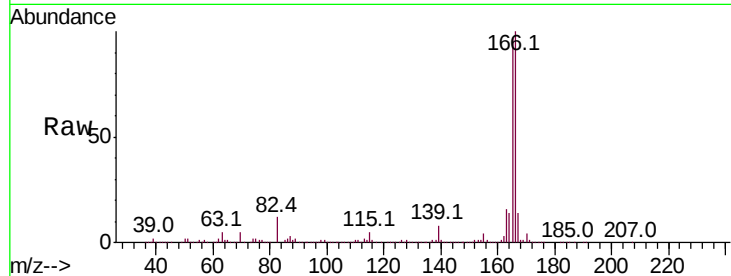
#58
Fluorene
 Concen: 14.501 ng
 RT: 10.39 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: BF111208.D
 Acq: 8 Dec 2018 1:34

Instrument :
 BNA_F
 ClientSampleId :
 SB-01-COMP

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.0	78.4	117.6
167	14.3	11.4	17.2

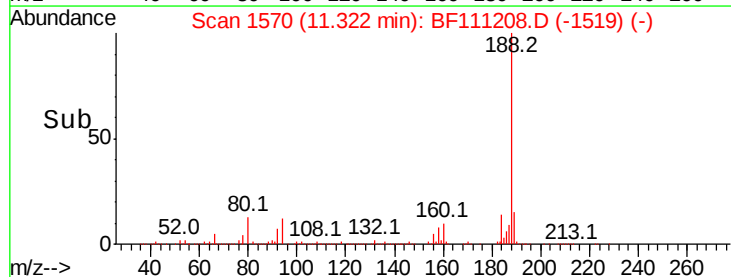
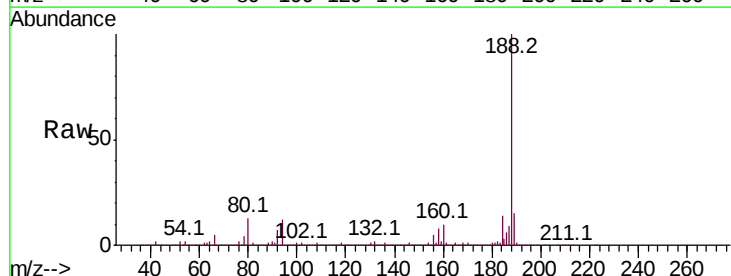
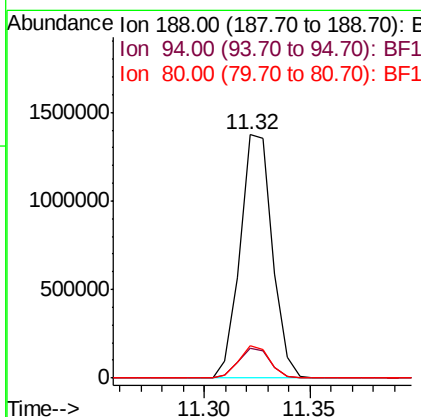
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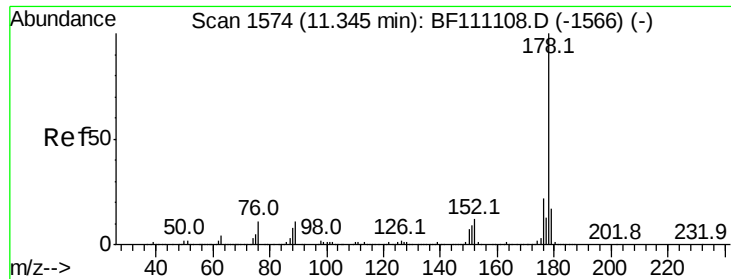
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#64
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: BF111208.D
 Acq: 8 Dec 2018 1:34

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.3	8.5	12.7
80	13.4	9.0	13.6





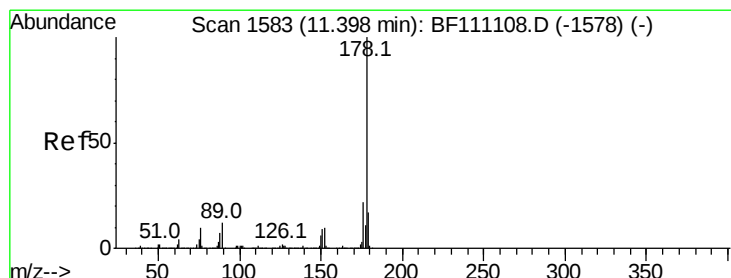
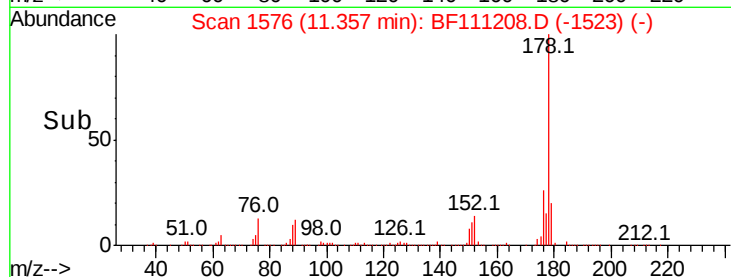
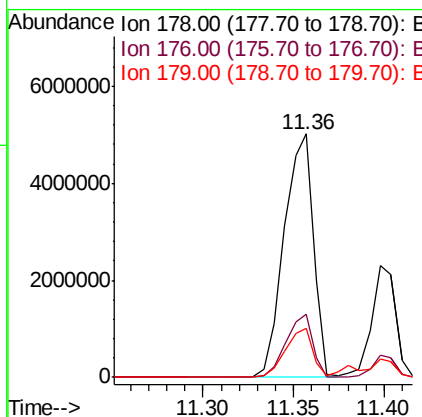
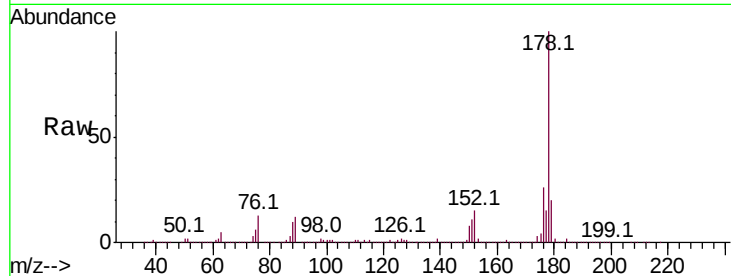
#71
Phenanthrene
Concen: 81.340 ng
RT: 11.36 min Scan# 1576
Delta R.T. 0.01 min
Lab File: BF111208.D
Acq: 8 Dec 2018 1:34

Instrument :
BNA_F
ClientSampleId :
SB-01-COMP

Tot Ion:178 Resp: 5689543
Ion Ratio Lower Upper
178 100
176 26.1 17.7 26.5
179 20.4 14.0 21.0

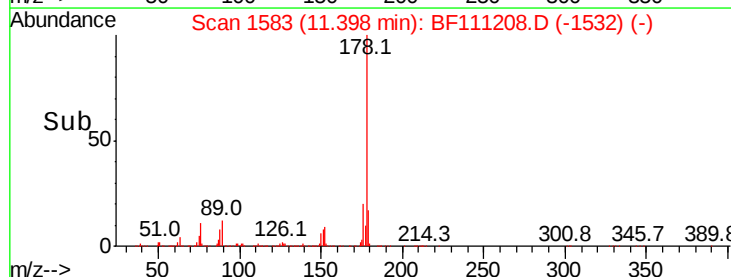
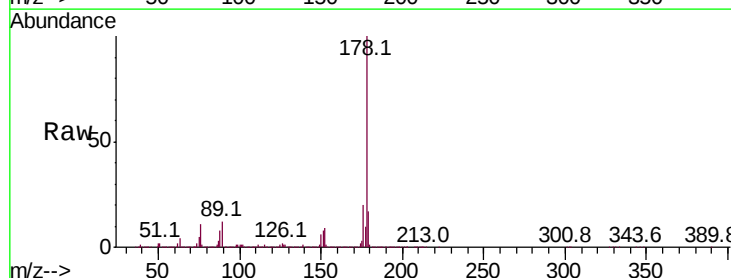
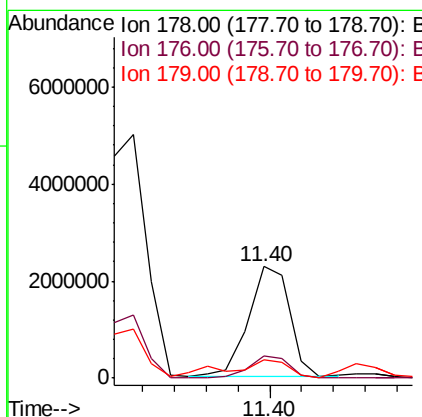
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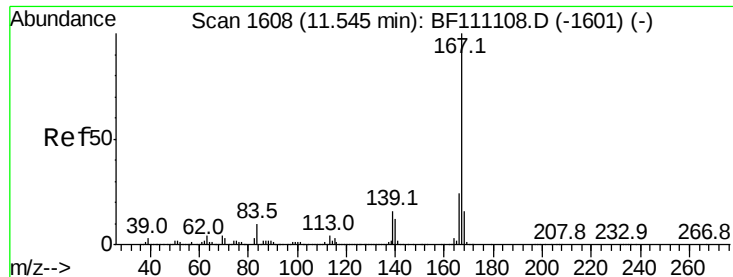
Sohil
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#72
Anthracene
Concen: 28.809 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.00 min
Lab File: BF111208.D
Acq: 8 Dec 2018 1:34

Tgt Ion:178 Resp: 2031250
Ion Ratio Lower Upper
178 100
176 19.9 17.3 25.9
179 16.6 13.8 20.8





#73

Carbazole

Concen: 12.550 ng

RT: 11.55 min Scan# 1608

Delta R.T. -0.00 min

Lab File: BF111208.D

Acq: 8 Dec 2018 1:34

Instrument :

BNA_F

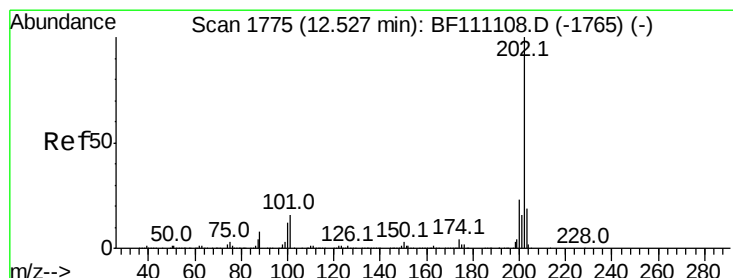
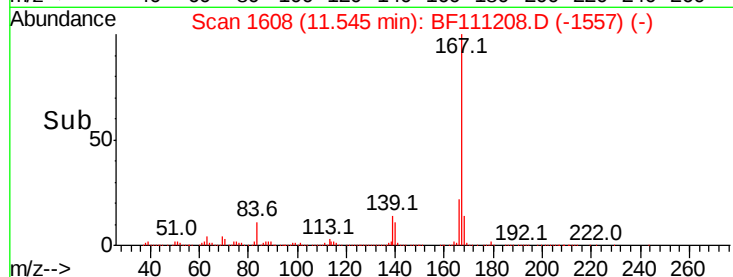
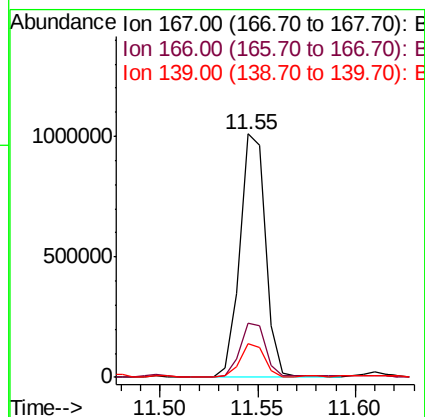
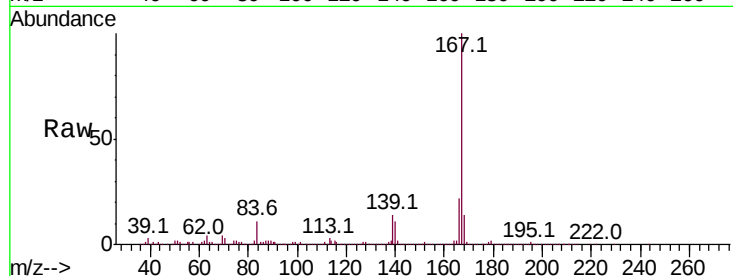
ClientSampleId :

SB-01-COMP

Tot Ion:	167	Resp:	920765
Ion Ratio	Lower	Upper	
167	100		
166	22.4	19.4	29.0
139	13.9	12.6	18.8

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#75

Fluoranthene

Concen: 96.901 ng

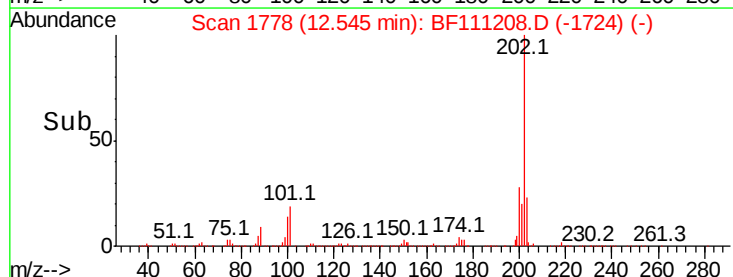
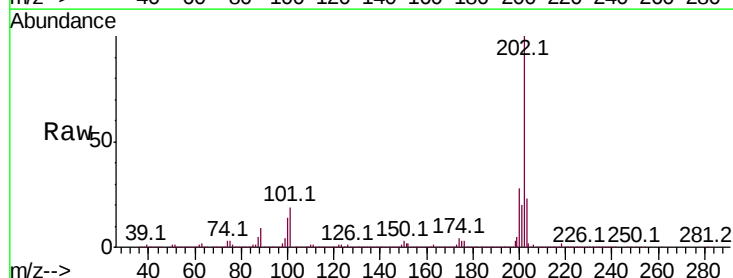
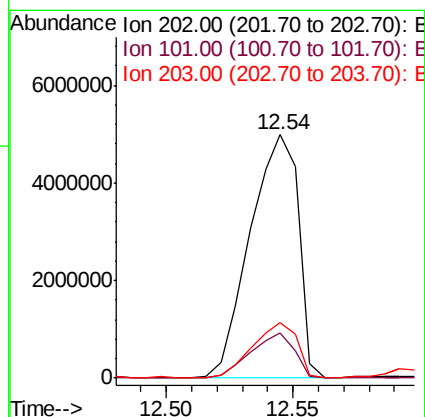
RT: 12.54 min Scan# 1778

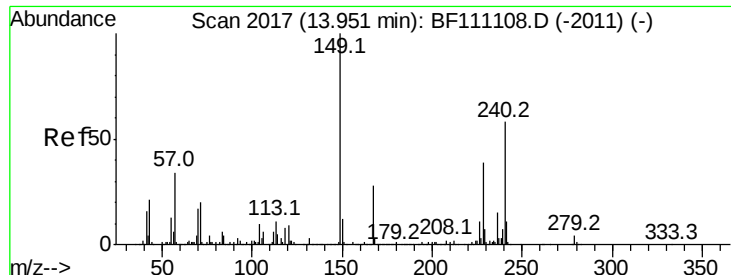
Delta R.T. 0.02 min

Lab File: BF111208.D

Acq: 8 Dec 2018 1:34

Tgt Ion:	202	Resp:	6632446
Ion Ratio	Lower	Upper	
202	100		
101	18.6	0.0	35.8
203	23.0	0.0	38.6





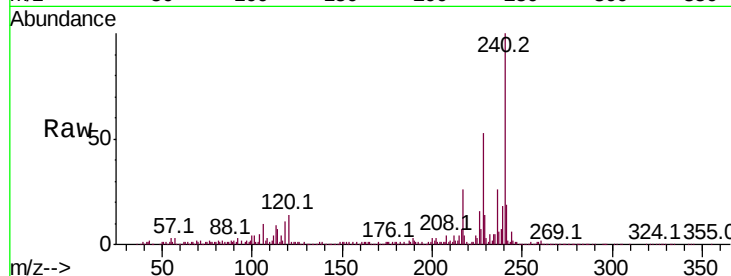
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. 0.02 min
Lab File: BF111208.D
Acq: 8 Dec 2018 1:34

Instrument :
BNA_F
ClientSampleId :
SB-01-COMP

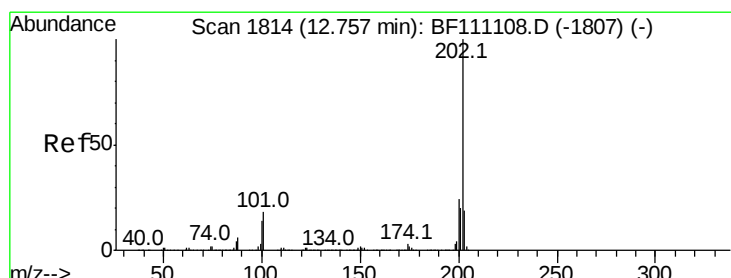
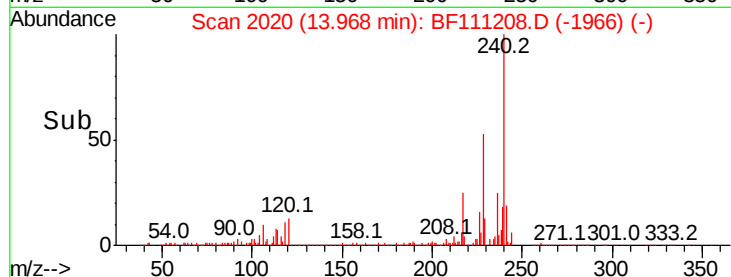
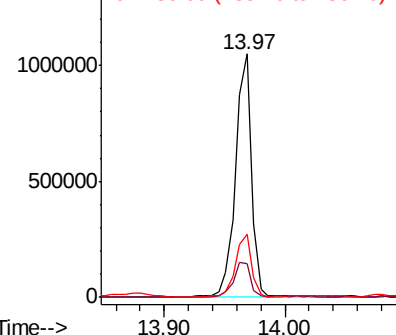
Tot Ion	Ratio	Lower	Upper
240	100		
120	13.6	12.8	19.2
236	26.0	21.1	31.7

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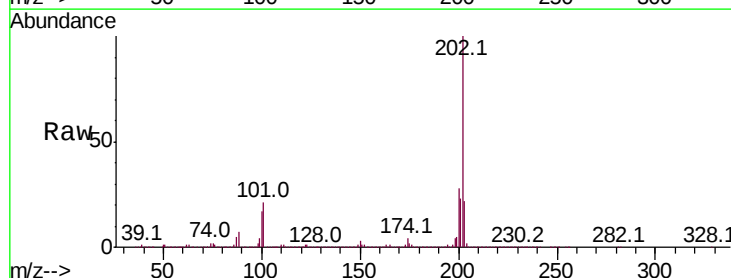


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

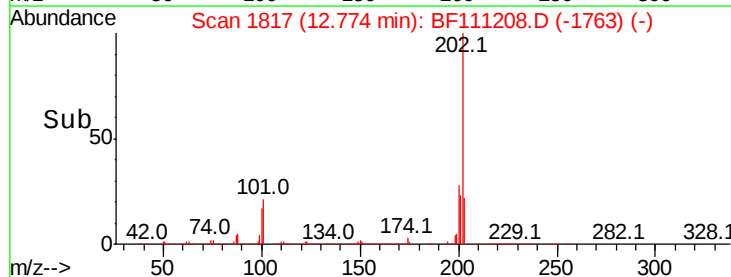
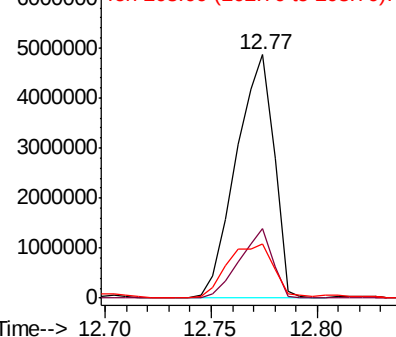


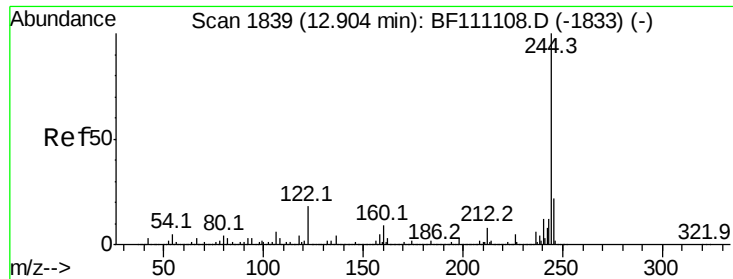
#78
Pyrene
Concen: 79.768 ng
RT: 12.77 min Scan# 1817
Delta R.T. 0.02 min
Lab File: BF111208.D
Acq: 8 Dec 2018 1:34

Tgt Ion	Ratio	Lower	Upper
202	100		
200	28.3	19.3	28.9
203	22.4	15.4	23.2



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





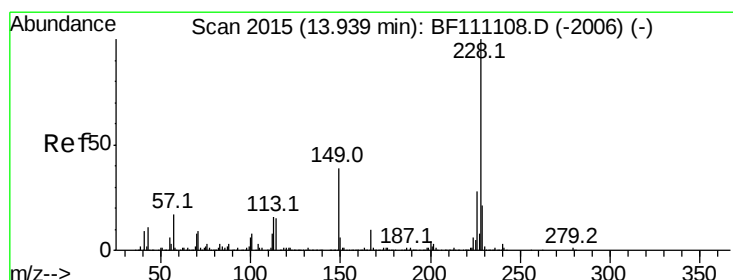
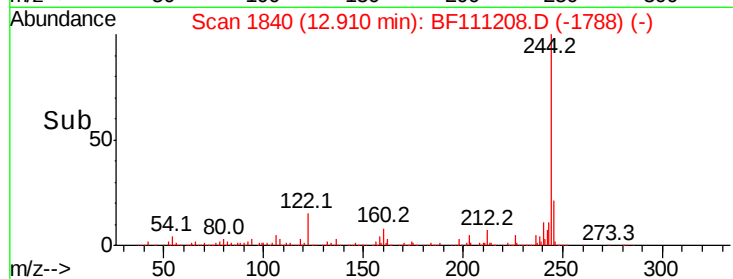
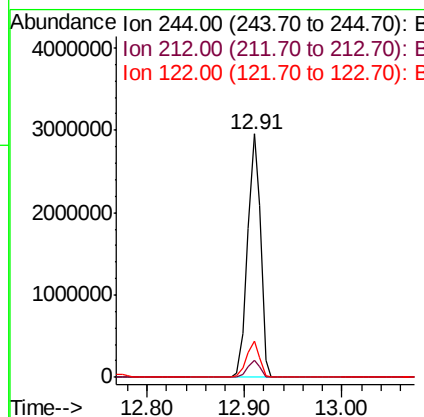
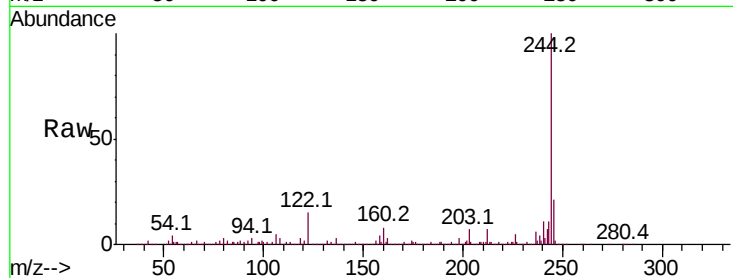
#79
 Terphenyl-d14
 Concen: 57.127 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. 0.01 min
 Lab File: BF111208.D
 Acq: 8 Dec 2018 1:34

Instrument :
 BNA_F
 ClientSampleId :
 SB-01-COMP

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.6	9.8
122	15.1	14.2	21.2

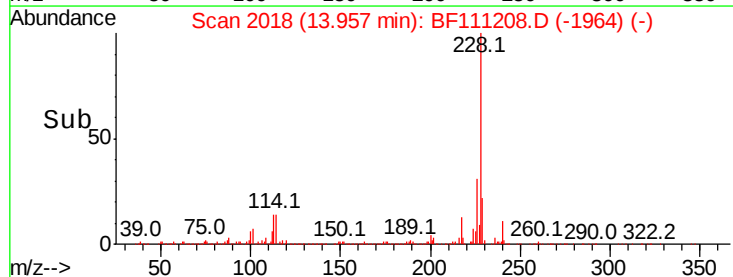
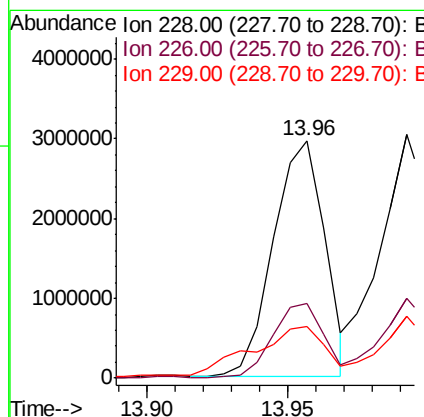
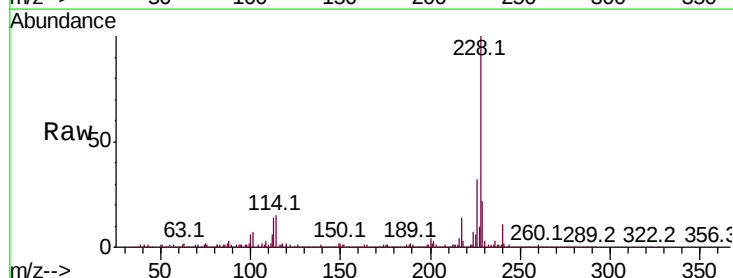
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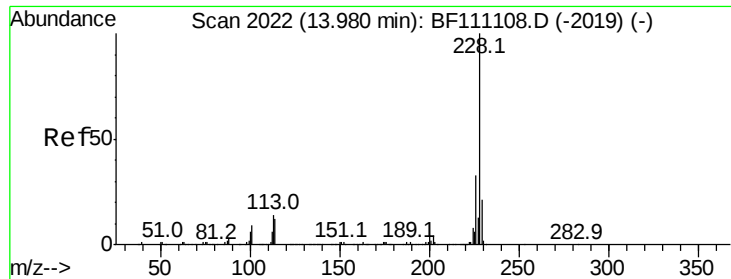
Sohil
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#81
 Benzo(a)anthracene
 Concen: 65.631 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. 0.02 min
 Lab File: BF111208.D
 Acq: 8 Dec 2018 1:34

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.7	22.6	34.0
229	22.0	16.7	25.1





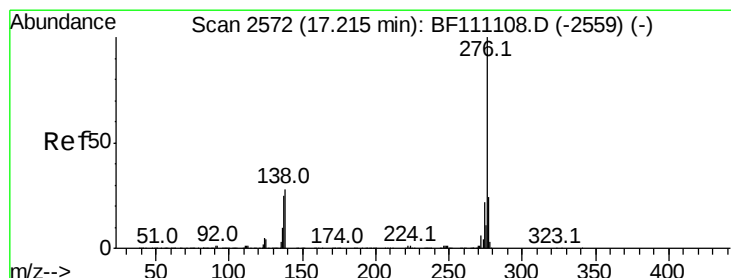
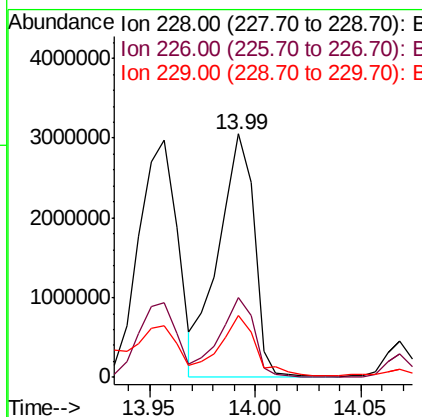
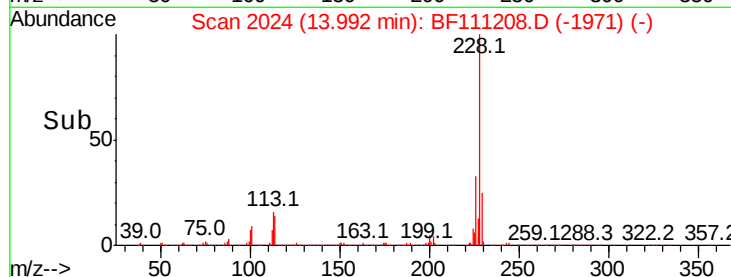
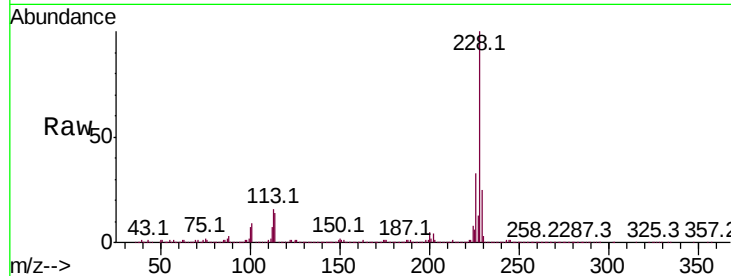
#83
Chrysene
Concen: 62.436 ng
RT: 13.99 min Scan# 2024
Delta R.T. 0.01 min
Lab File: BF111208.D
Acq: 8 Dec 2018 1:34

Instrument :
BNA_F
ClientSampleId :
SB-01-COMP

Tot Ion:228 Resp: 3530758
Ion Ratio Lower Upper
228 100
226 32.9 26.2 39.2
229 25.2 16.9 25.3

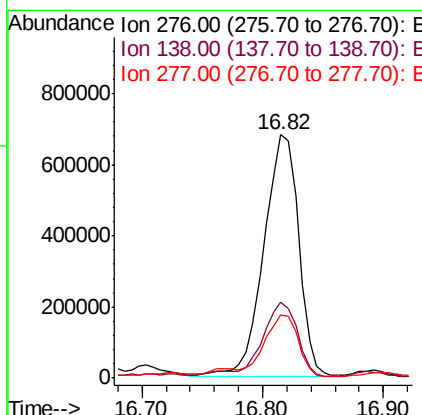
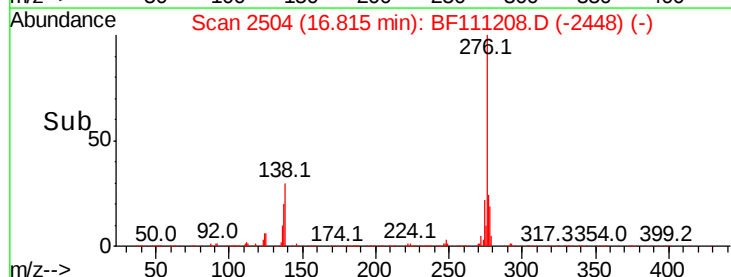
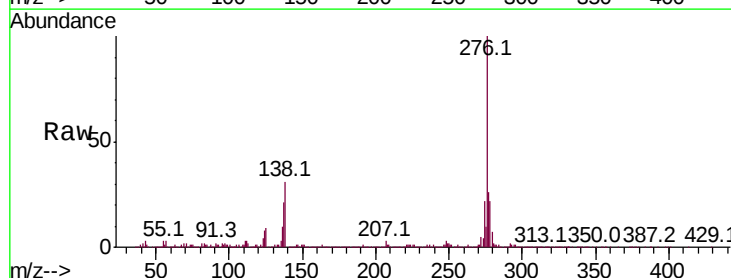
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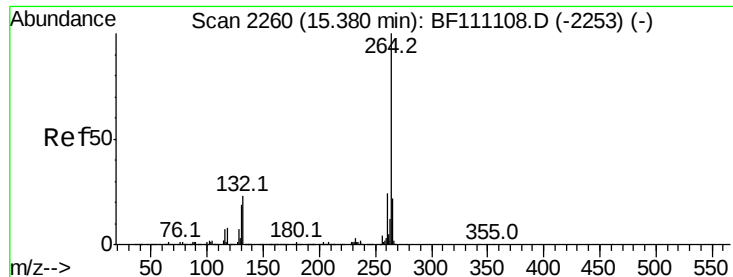
Sohil
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#86
Indeno(1,2,3-cd)pyrene
Concen: 29.773 ng
RT: 16.82 min Scan# 2504
Delta R.T. 0.03 min
Lab File: BF111208.D
Acq: 8 Dec 2018 1:34

Tgt Ion:276 Resp: 1351806
Ion Ratio Lower Upper
276 100
138 31.7 20.2 30.4#
277 24.8 15.8 23.6#





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.40 min Scan# 2264

Delta R.T. 0.02 min

Lab File: BF111208.D

Acq: 8 Dec 2018 1:34

Instrument :

BNA_F

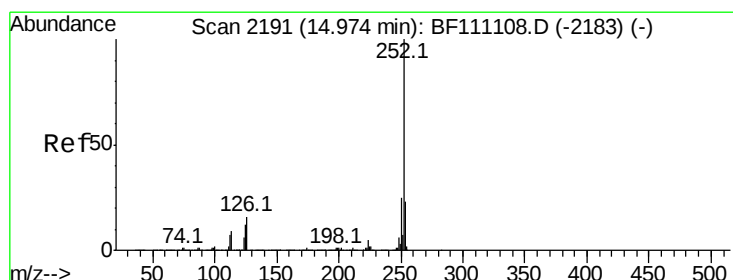
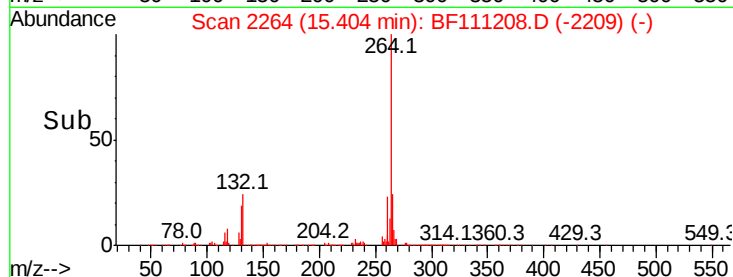
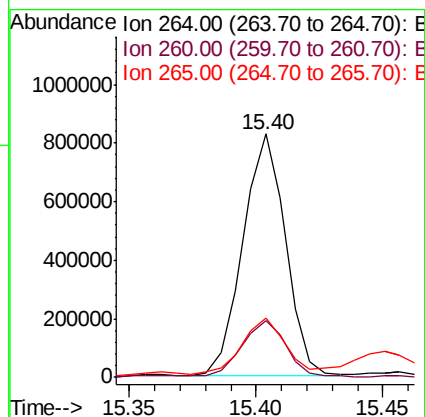
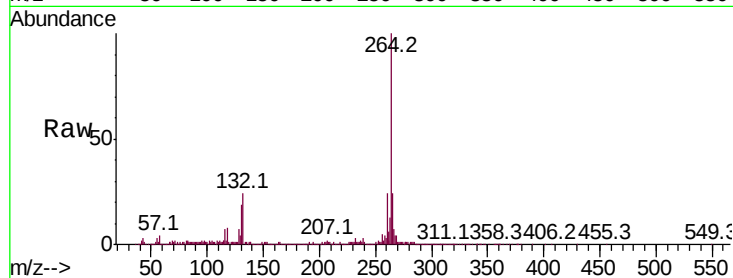
ClientSampleId :

SB-01-COMP

Tot Ion:	264	Resp:	967945
Ion Ratio		Lower	Upper
264	100		
260	23.5	19.4	29.0
265	24.3	17.4	26.0

Manual Integrations
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#88

Benzo(b)fluoranthene

Concen: 74.798 ng m

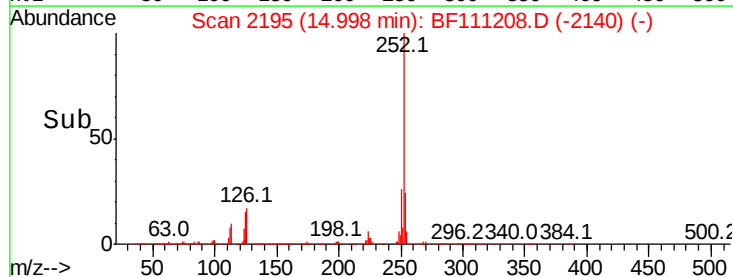
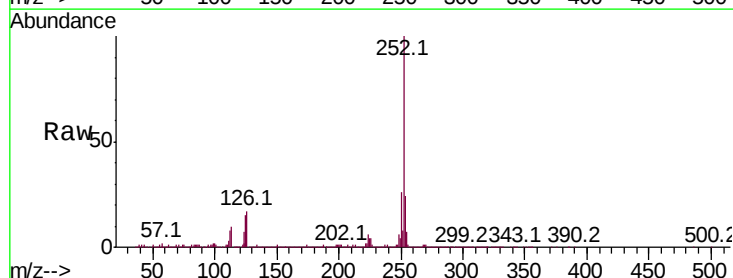
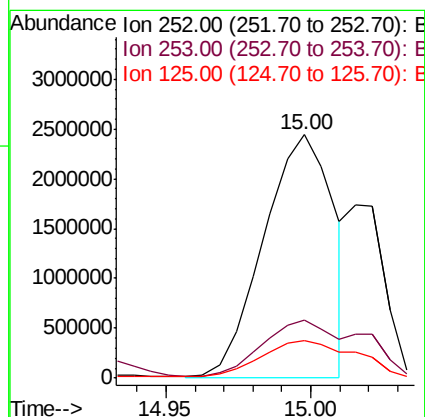
RT: 15.00 min Scan# 2195

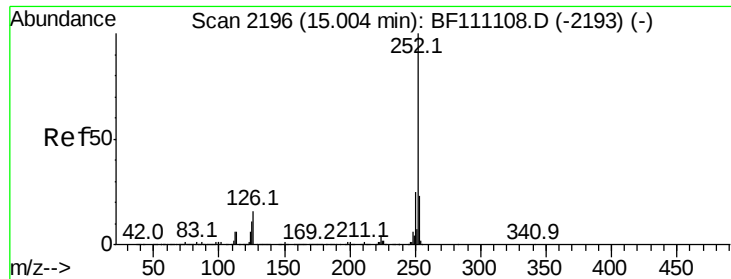
Delta R.T. 0.02 min

Lab File: BF111208.D

Acq: 8 Dec 2018 1:34

Tgt Ion:	252	Resp:	4102497
Ion Ratio		Lower	Upper
252	100		
253	24.1	18.5	27.7
125	15.3	9.9	14.9#





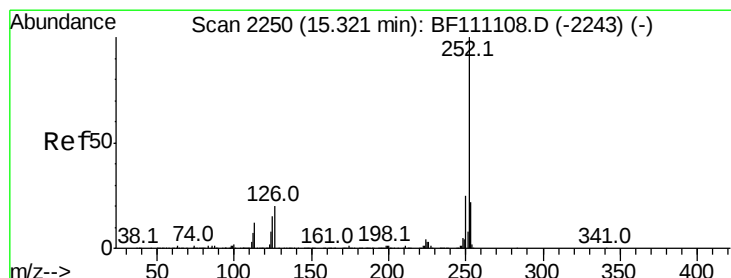
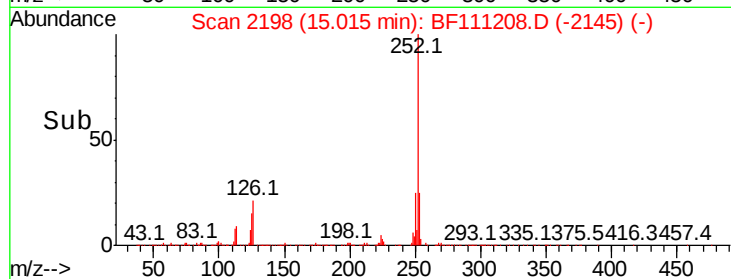
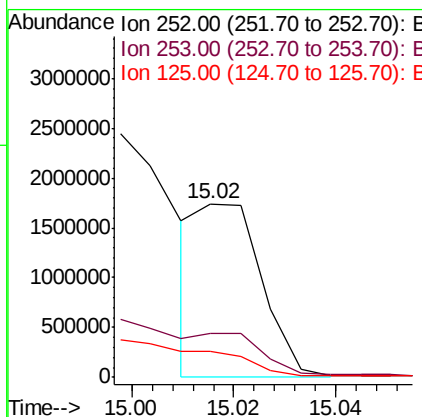
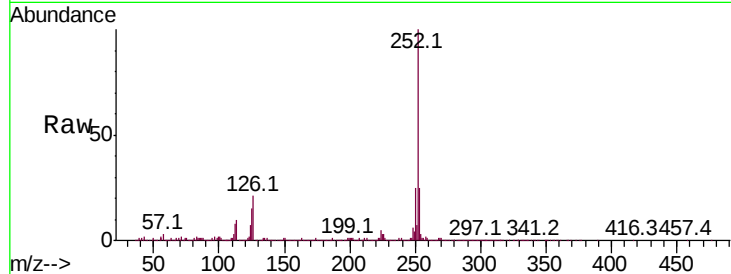
#89
Benzo(k)fluoranthene
Concen: 28.335 ng m
RT: 15.02 min Scan# 2198
Delta R.T. 0.01 min
Lab File: BF111208.D
Acq: 8 Dec 2018 1:34

Instrument :
BNA_F
ClientSampleId :
SB-01-COMP

Tot Ion:252 Resp: 1502396
Ion Ratio Lower Upper
252 100
253 25.4 18.2 27.4
125 15.3 9.9 14.9#

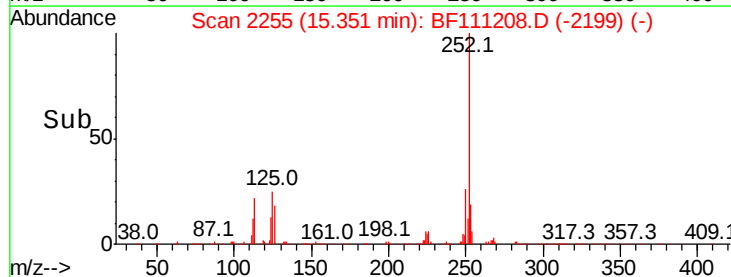
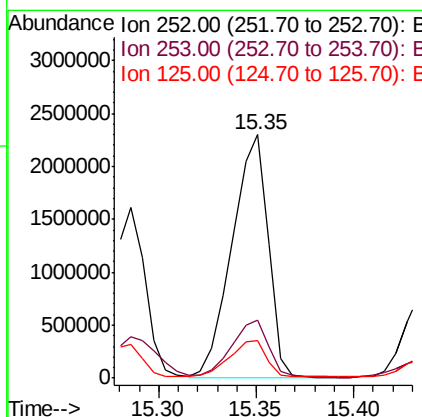
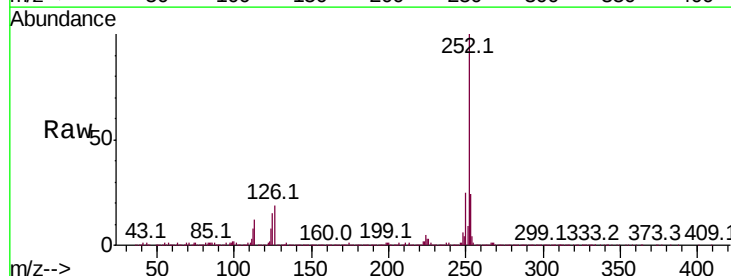
Manual Integrations
APPROVED

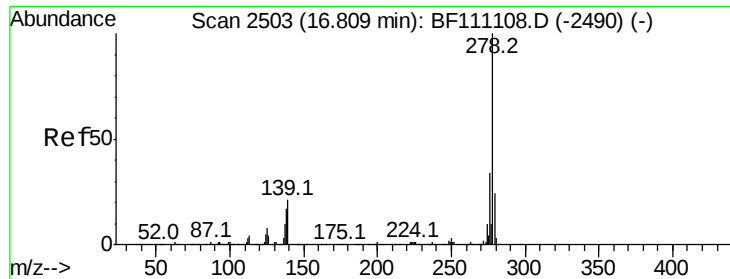
Sohil
12/11/2018 8:44:53 AM



#90
Benzo(a)pyrene
Concen: 58.326 ng
RT: 15.35 min Scan# 2255
Delta R.T. 0.03 min
Lab File: BF111208.D
Acq: 8 Dec 2018 1:34

Tgt Ion:252 Resp: 2934317
Ion Ratio Lower Upper
252 100
253 23.8 17.5 26.3
125 15.5 12.4 18.6





#91

Dibenzo(a,h)anthracene

Concen: 8.962 ng

RT: 16.83 min Scan# 2506

Delta R.T. 0.02 min

Lab File: BF111208.D

Acq: 8 Dec 2018 1:34

Instrument :

BNA_F

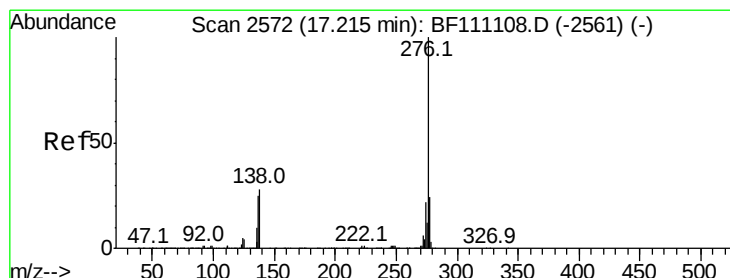
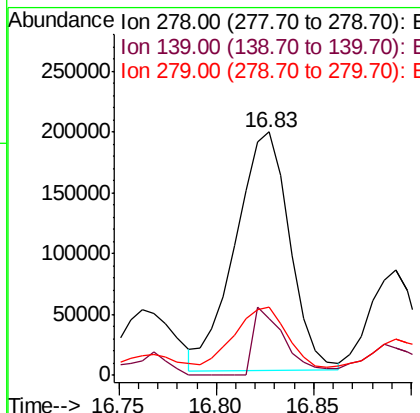
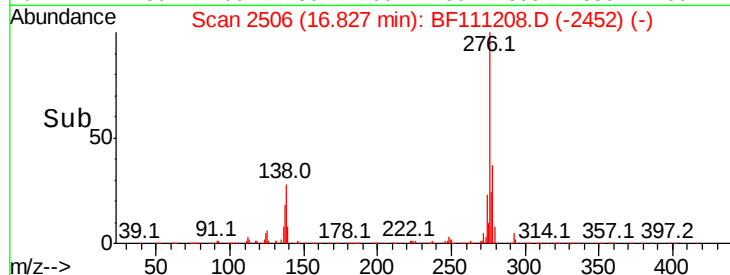
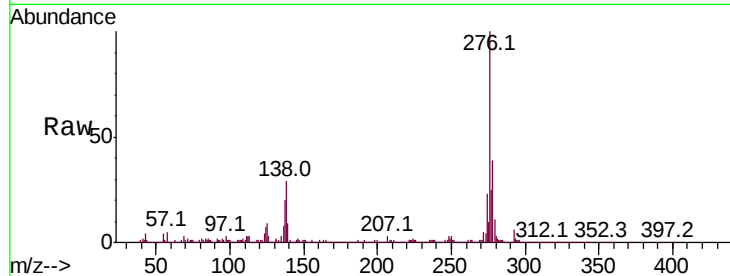
ClientSampleId :

SB-01-COMP

Tot Ion:	278	Resp:	378340
Ion Ratio	Lower	Upper	
278	100		
139	23.5	16.6	25.0
279	28.0	18.8	28.2

Manual Integrations
APPROVED

Sohil
12/11/2018 8:44:53 AM



#92

Benzo(g,h,i)perylene

Concen: 28.203 ng

RT: 17.24 min Scan# 2577

Delta R.T. 0.03 min

Lab File: BF111208.D

Acq: 8 Dec 2018 1:34

Tgt Ion:	276	Resp:	1196504
Ion Ratio	Lower	Upper	
276	100		
277	25.0	19.3	28.9
138	30.1	22.3	33.5

