

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010319\
 Data File : BF111831.D
 Acq On : 3 Jan 2019 19:54
 Operator : JU/SJ
 Sample : K1019-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A-GLICAL-PILE

Manual Integrations
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Sohil
 1/4/2019 9:56:49 AM

Quant Time: Jan 04 09:33:10 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	274360	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	1004773	20.00	ng	0.00
39) Acenaphthene-d10	9.94	164	437422	20.00	ng	0.00
64) Phenanthrene-d10	11.43	188	651220	20.00	ng	0.01
76) Chrysene-d12	14.08	240	419859	20.00	ng	0.03
87) Perylene-d12	15.59	264	308608	20.00	ng	0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.54	112	1344897	83.56	ng	0.02
7) Phenol-d6	6.55	99	1758596	85.85	ng	0.02
23) Nitrobenzene-d5	7.46	82	1094371	63.40	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	396590	76.73	ng	0.01
45) 2-Fluorobiphenyl	9.26	172	1793531	59.76	ng	0.00
79) Terphenyl-d14	13.02	244	1245124	56.24	ng	0.02
Target Compounds						
10) Phenol	6.56	94	80511	3.483	ng	Qvalue 96
31) Naphthalene	8.20	128	163353	3.384	ng	95
37) 2-Methylnaphthalene	8.90	142	87886	2.798	ng	98
50) Dimethylphthalate	9.65	163	385059	12.038	ng	# 95
52) Acenaphthene	9.97	154	103424	3.926	ng	99
58) Fluorene	10.49	166	97116	3.386	ng	100
71) Phenanthrene	11.45	178	453392	13.128	ng	96
72) Anthracene	11.50	178	85356	2.462	ng	96
75) Fluoranthene	12.64	202	464466	13.281	ng	96
78) Pyrene	12.87	202	396424	13.370	ng	96
81) Benzo(a)anthracene	14.07	228	114229	4.767	ng	# 91
83) Chrysene	14.10	228	104742	4.448	ng	# 92
86) Indeno(1,2,3-cd)pyrene	17.10	276	43857m	2.191	ng	
88) Benzo(b)fluoranthene	15.14	252	104223m	5.779	ng	
90) Benzo(a)pyrene	15.52	252	64024m	3.907	ng	
92) Benzo(g,h,i)perylene	17.56	276	43177	3.082	ng	# 57

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

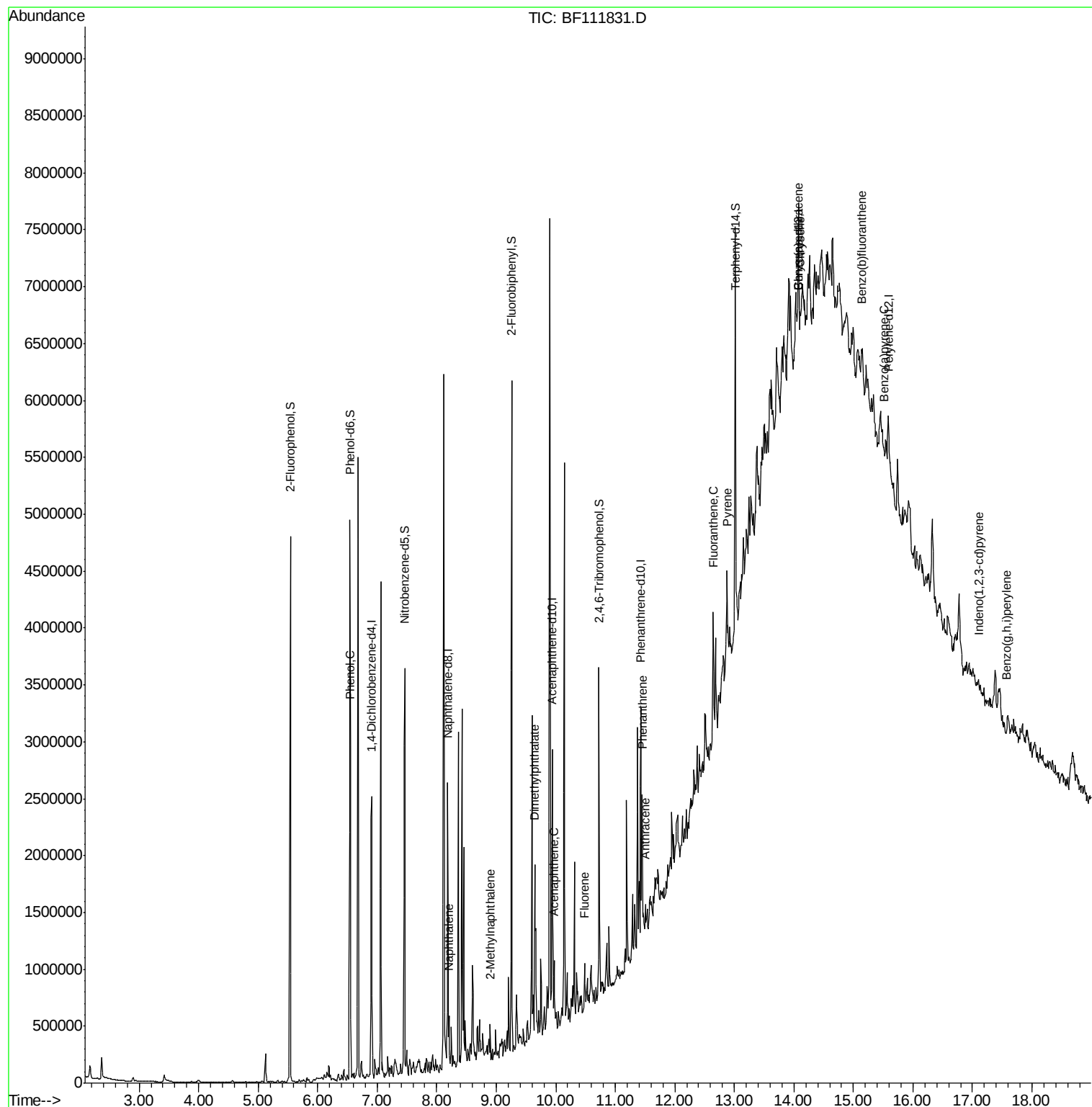
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010319\
Data File : BF111831.D
Acq On : 3 Jan 2019 19:54
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Sample : K1019-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

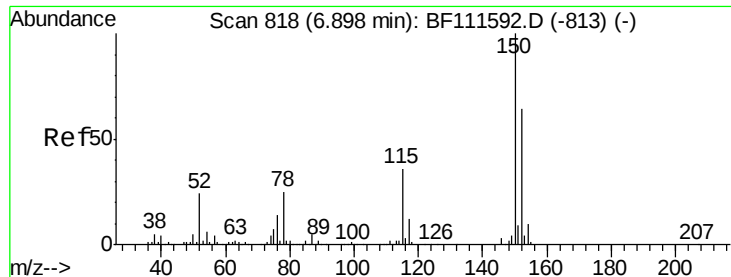
Instrument :
BNA_F
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Quant Time: Jan 04 09:33:10 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
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#1

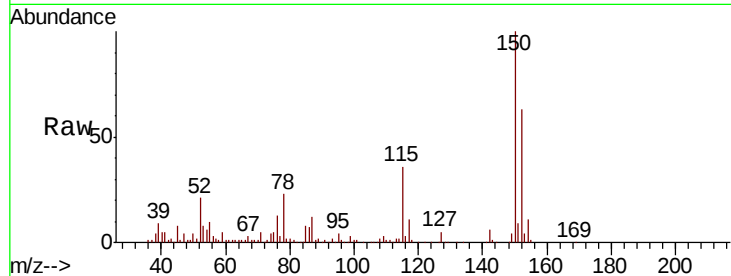
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 819
Delta R.T. 0.01 min
Lab File: BF111831.D
Acq: 3 Jan 2019 19:54

Instrument :
BNA_F
ClientSampleId :
A-GLICAL-PILE

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	126.6	189.8
115	57.1	50.7	76.1

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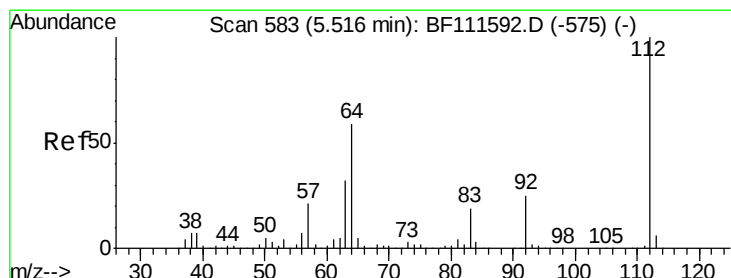
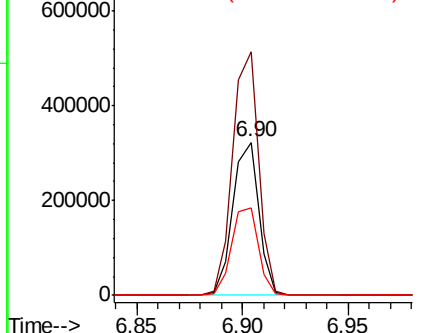
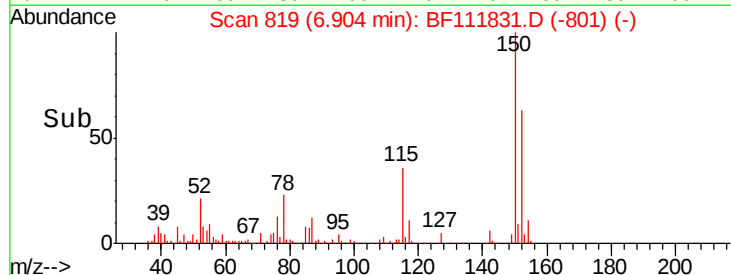


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

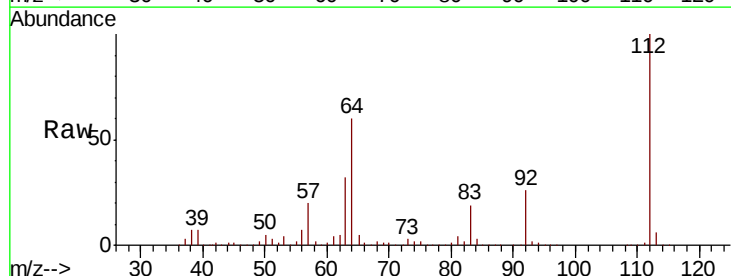
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 83.555 ng
RT: 5.54 min Scan# 587
Delta R.T. 0.02 min
Lab File: BF111831.D
Acq: 3 Jan 2019 19:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.1	51.8	77.6
63	32.4	26.8	40.2

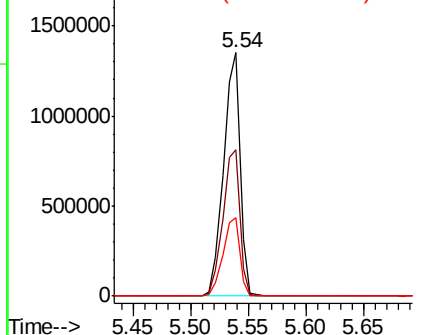
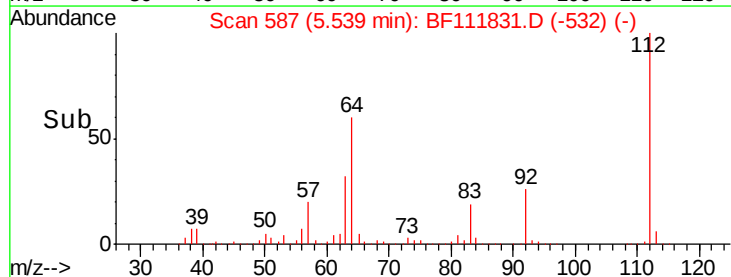


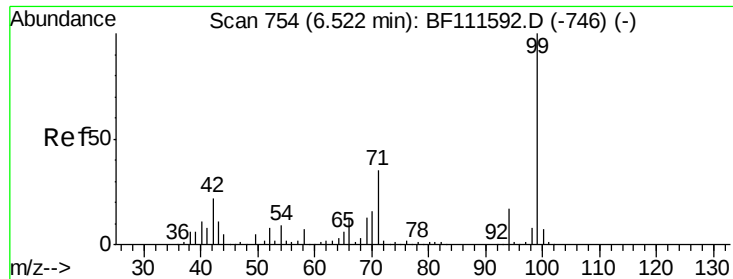
Abundance

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: 85.850 ng

RT: 6.55 min Scan# 758

Delta R.T. 0.02 min

Lab File: BF111831.D

Acq: 3 Jan 2019 19:54

Instrument :

BNA_F

ClientSampleId :

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Tot Ion: 99 Resp: 1758596

Ion Ratio Lower Upper

99 100

42 22.0 17.4 26.0

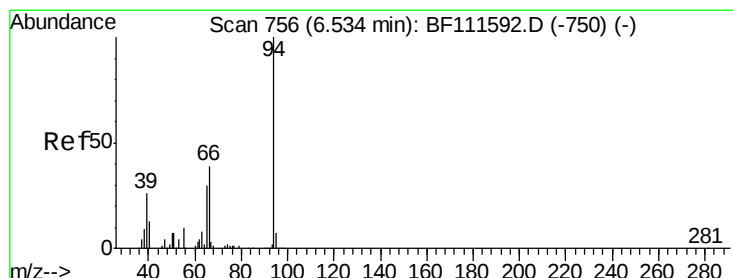
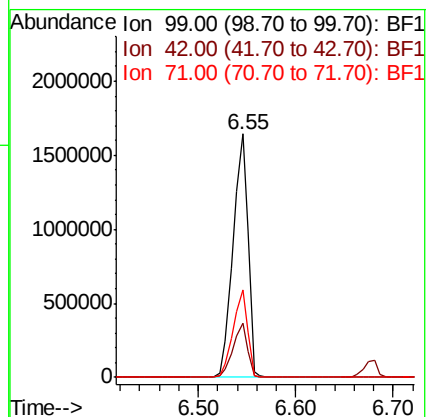
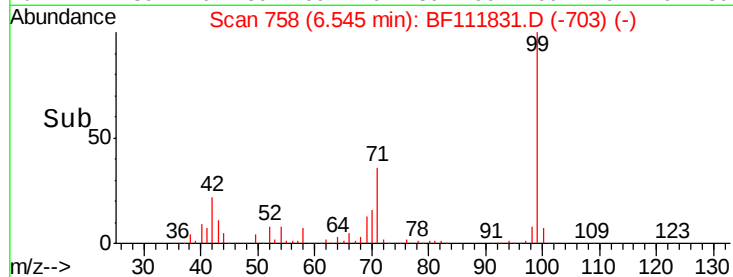
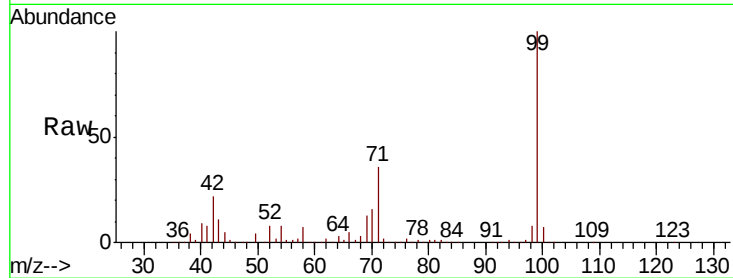
71 36.0 26.1 39.1

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#10

Phenol

Concen: 3.483 ng

RT: 6.56 min Scan# 760

Delta R.T. 0.02 min

Lab File: BF111831.D

Acq: 3 Jan 2019 19:54

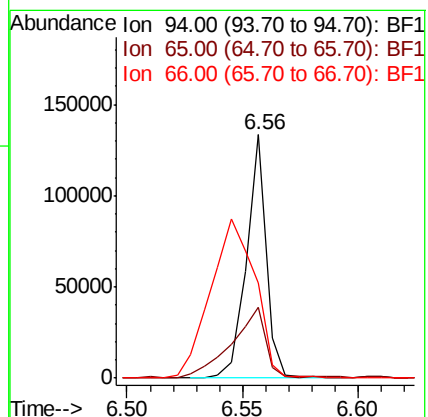
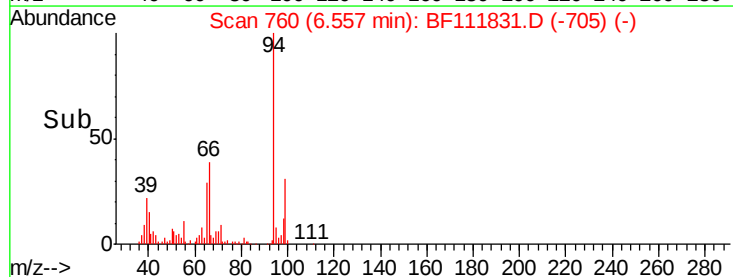
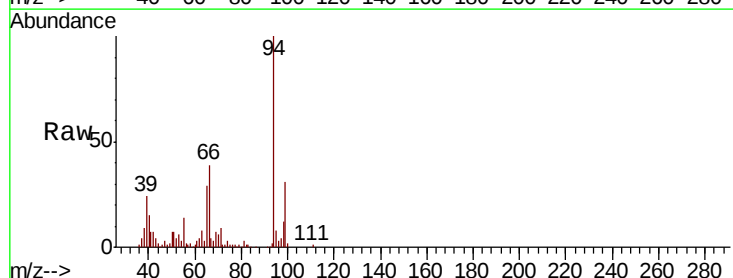
Tgt Ion: 94 Resp: 80511

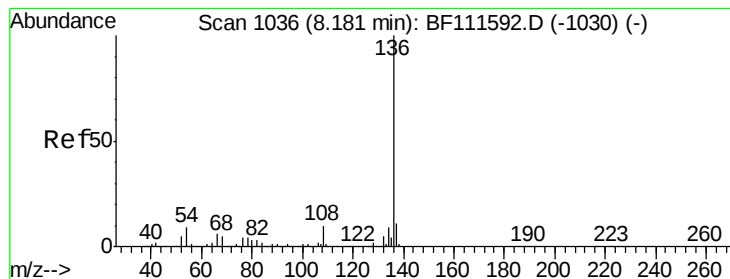
Ion Ratio Lower Upper

94 100

65 29.2 11.7 51.7

66 38.9 21.0 61.0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.19 min Scan# 1037

Delta R.T. 0.01 min

Lab File: BF111831.D

Acq: 3 Jan 2019 19:54

Instrument :

BNA_F

ClientSampleId :

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Tot Ion:136 Resp: 1004773

Ion Ratio Lower Upper

136 100

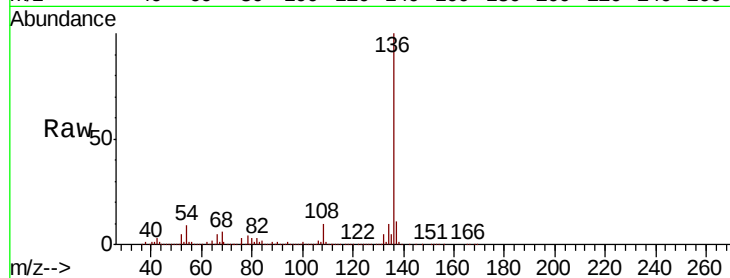
137 11.0 9.1 13.7

54 8.7 7.7 11.5

68 5.8 4.9 7.3

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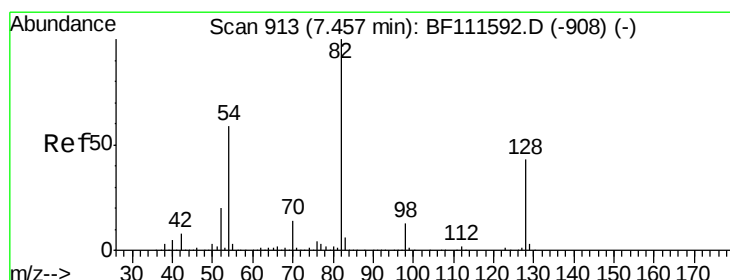
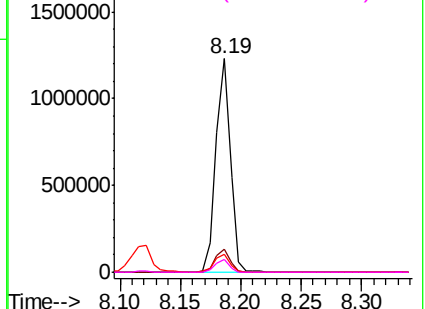
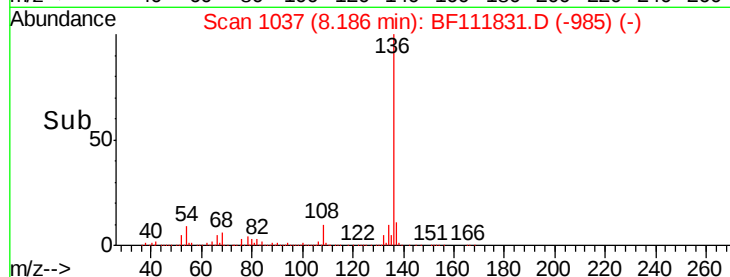


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 63.398 ng

RT: 7.46 min Scan# 914

Delta R.T. 0.01 min

Lab File: BF111831.D

Acq: 3 Jan 2019 19:54

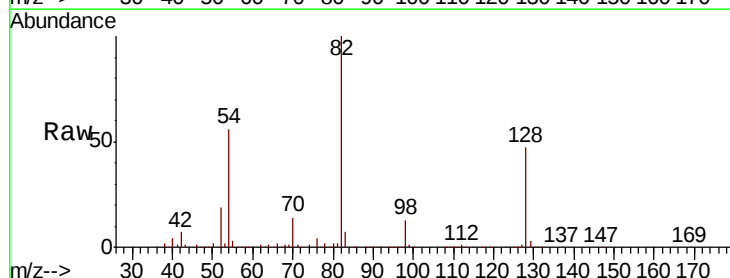
Tgt Ion: 82 Resp: 1094371

Ion Ratio Lower Upper

82 100

128 47.0 37.4 56.2

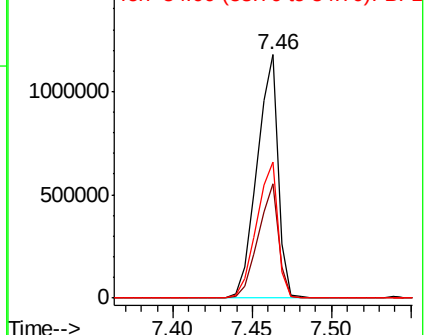
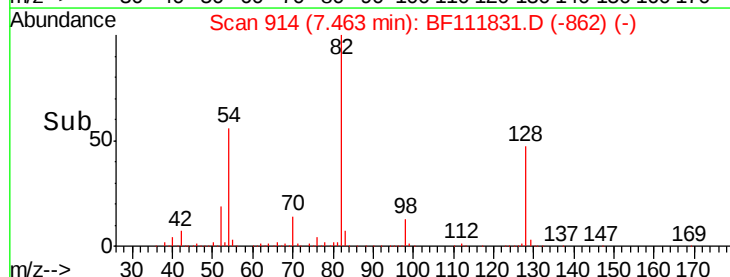
54 55.8 47.6 71.4

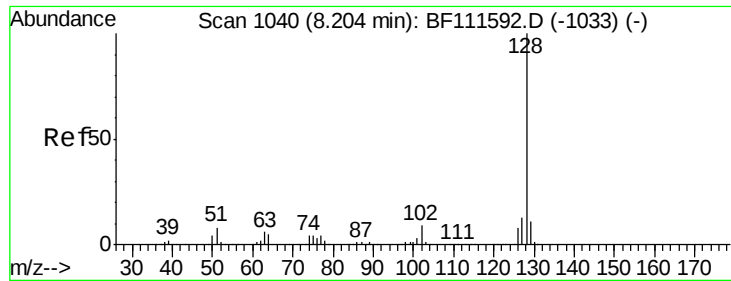


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





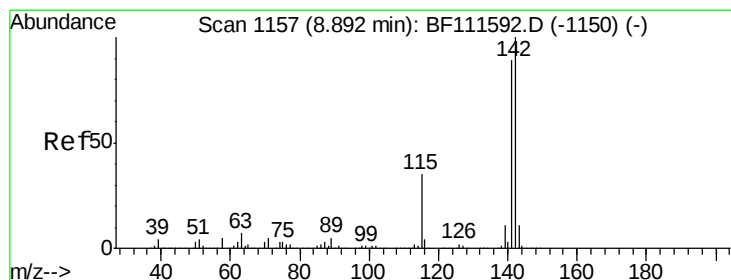
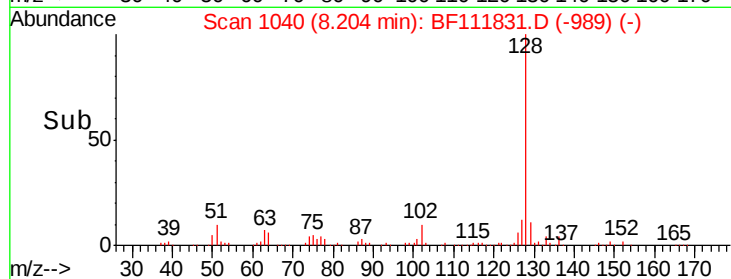
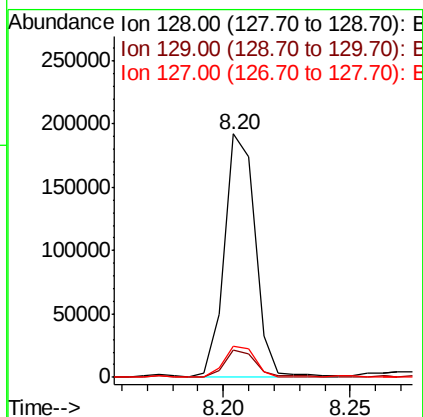
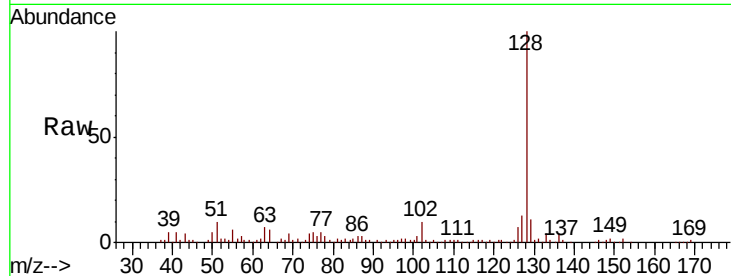
#31
Naphthalene
Concen: 3.384 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.00 min
Lab File: BF111831.D
Acq: 3 Jan 2019 19:54

Instrument :
BNA_F
ClientSampleId :
A-GLICAL-PILE

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.8	14.8
127	12.5	12.0	18.0

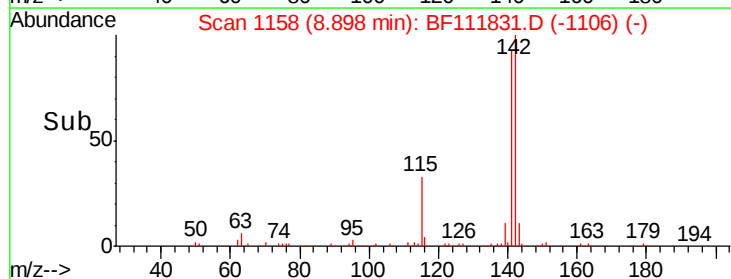
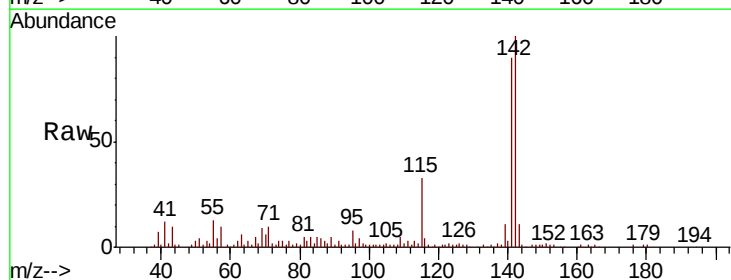
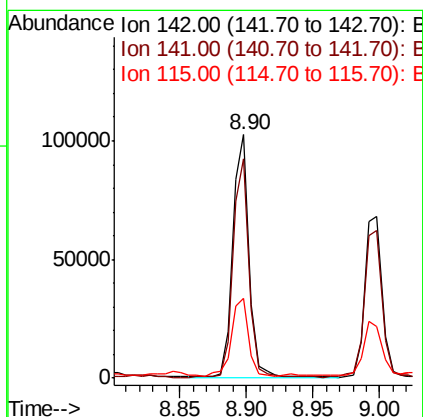
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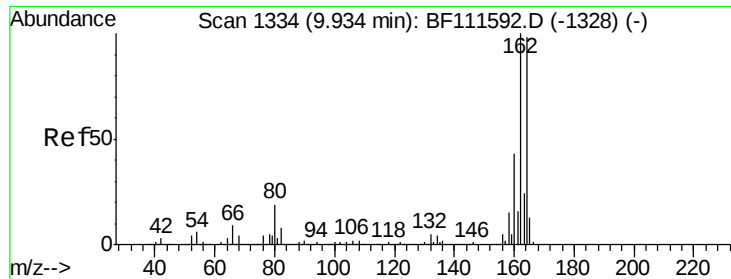
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#37
2-Methylnaphthalene
Concen: 2.798 ng
RT: 8.90 min Scan# 1158
Delta R.T. 0.01 min
Lab File: BF111831.D
Acq: 3 Jan 2019 19:54

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.9	70.6	105.8
115	32.7	27.0	40.6





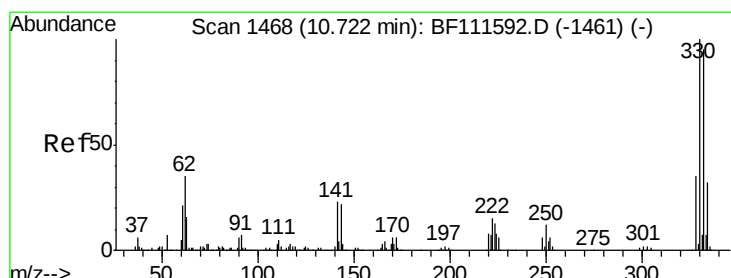
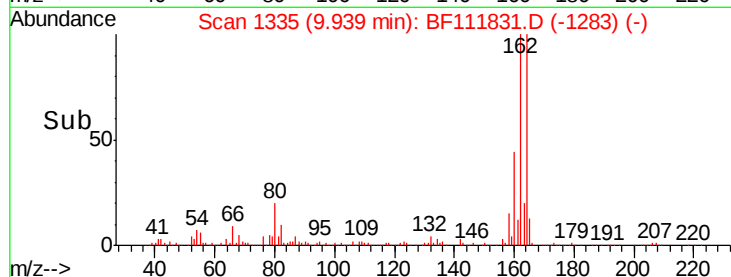
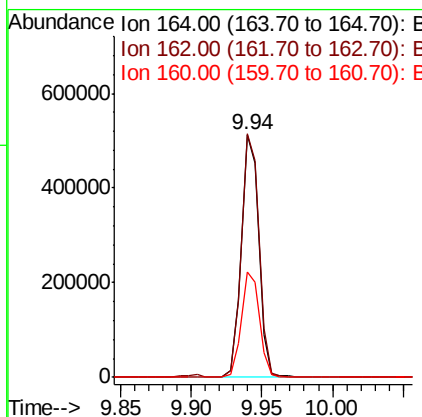
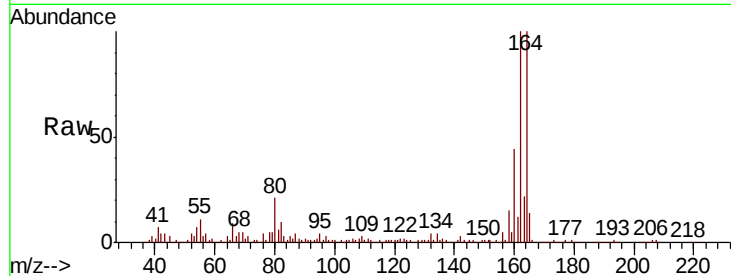
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.94 min Scan# 1335
Delta R.T. 0.01 min
Lab File: BF111831.D
Acq: 3 Jan 2019 19:54

Instrument :
BNA_F
ClientSampleId :
A-GLICAL-PILE

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.4	81.4	122.0
160	43.7	35.7	53.5

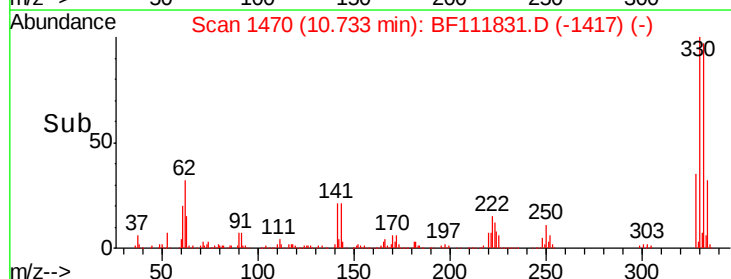
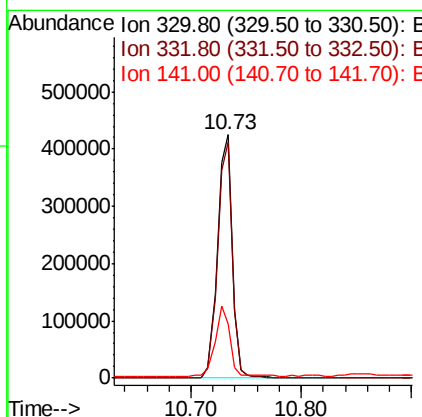
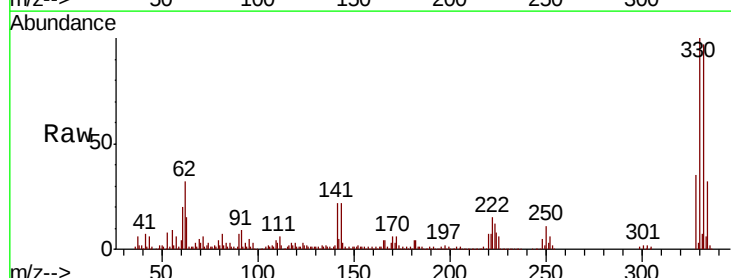
Manual Integrations
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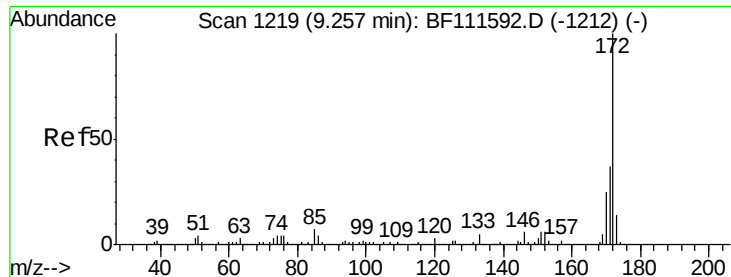
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#42
2,4,6-Tribromophenol
Concen: 76.732 ng
RT: 10.73 min Scan# 1470
Delta R.T. 0.01 min
Lab File: BF111831.D
Acq: 3 Jan 2019 19:54

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.0	114.0
141	27.1	31.0	46.6#





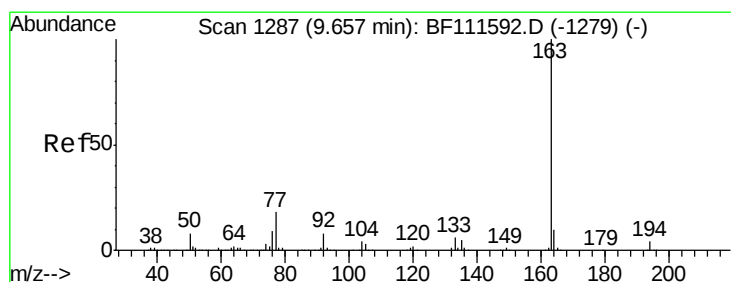
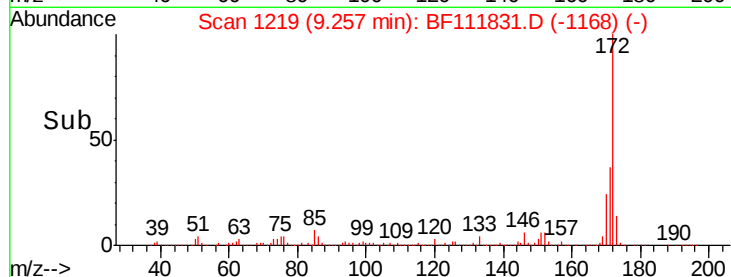
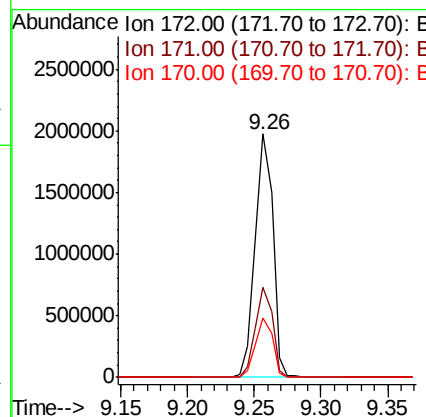
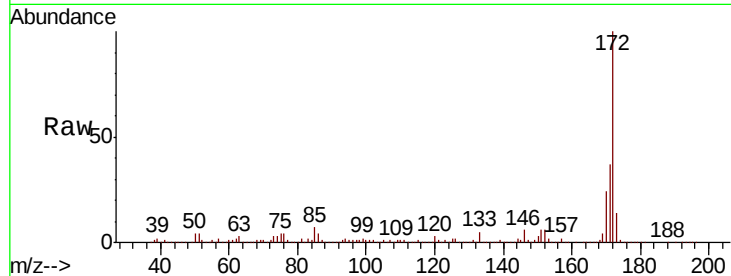
#45
2-Fluorobiphenyl
Concen: 59.764 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.00 min
Lab File: BF111831.D
Acq: 3 Jan 2019 19:54

Instrument :
BNA_F
ClientSampleId :
A-GLICAL-PILE

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.0	33.0	49.4
170	24.1	22.3	33.5

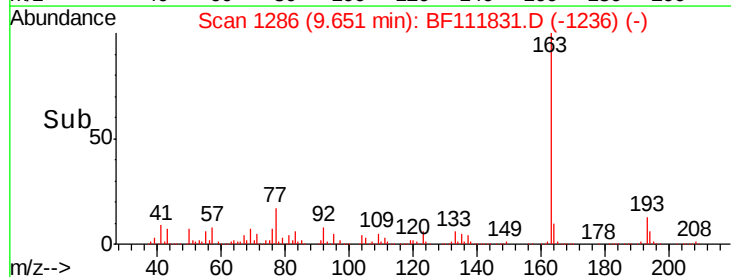
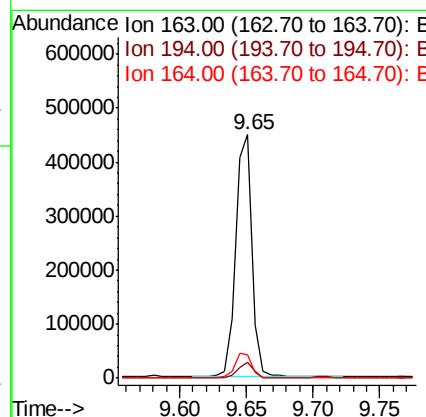
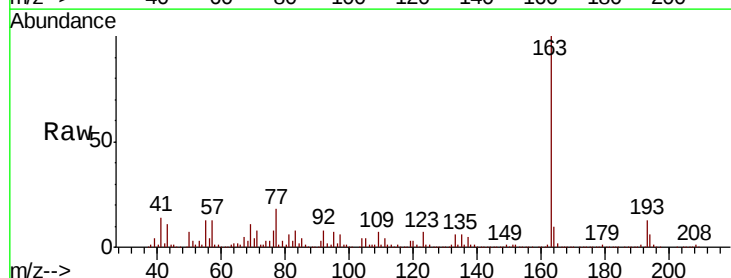
Manual Integrations
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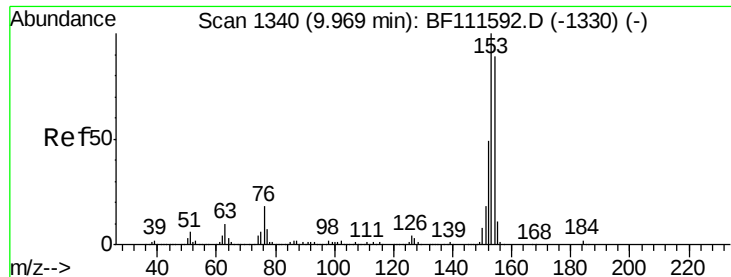
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#50
Dimethylphthalate
Concen: 12.038 ng
RT: 9.65 min Scan# 1286
Delta R.T. -0.01 min
Lab File: BF111831.D
Acq: 3 Jan 2019 19:54

Tgt Ion	Ratio	Lower	Upper
163	100		
194	6.3	3.0	4.6#
164	9.6	8.9	13.3





#52

Acenaphthene

Concen: 3.926 ng

RT: 9.97 min Scan# 1341

Delta R.T. 0.01 min

Lab File: BF111831.D

Acq: 3 Jan 2019 19:54

Instrument :

BNA_F

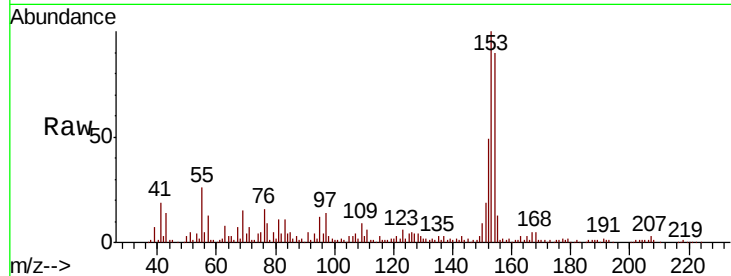
ClientSampleId :

A-GLICAL-PILE

Tot Ion:	154	Resp:	103424
Ion Ratio	Lower	Upper	
154	100		
153	111.4	87.8	131.8
152	55.1	43.4	65.2

Manual Integrations
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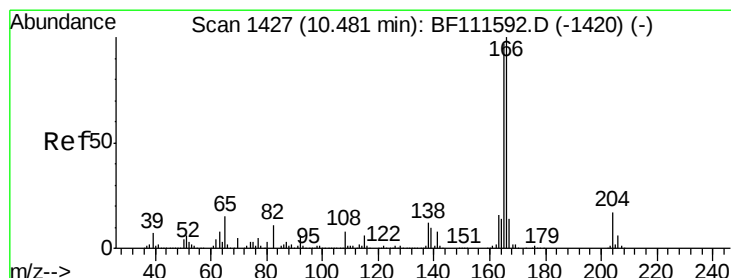
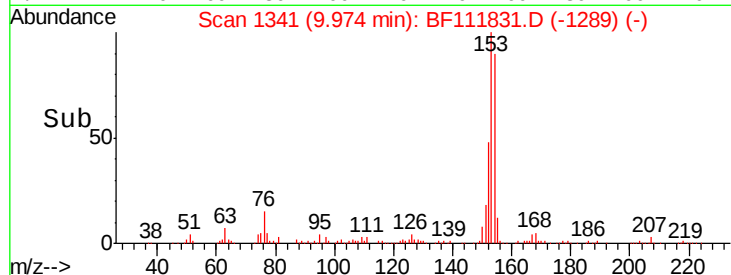
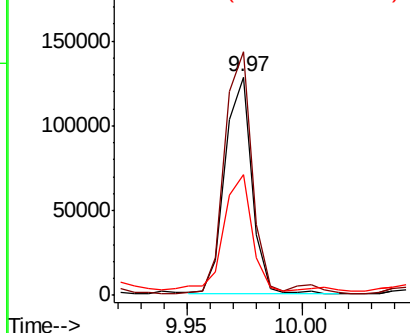


Abundance

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



#58

Fluorene

Concen: 3.386 ng

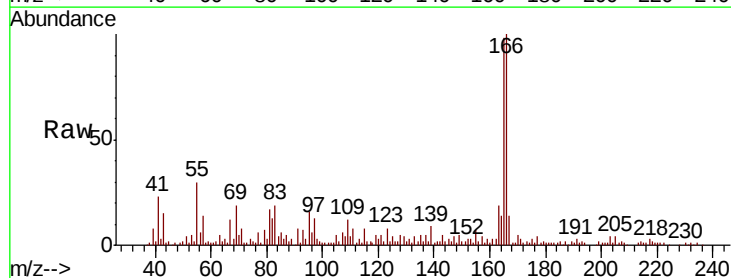
RT: 10.49 min Scan# 1428

Delta R.T. 0.01 min

Lab File: BF111831.D

Acq: 3 Jan 2019 19:54

Tgt Ion:	166	Resp:	97116
Ion Ratio	Lower	Upper	
166	100		
165	97.9	78.4	117.6
167	13.7	11.2	16.8

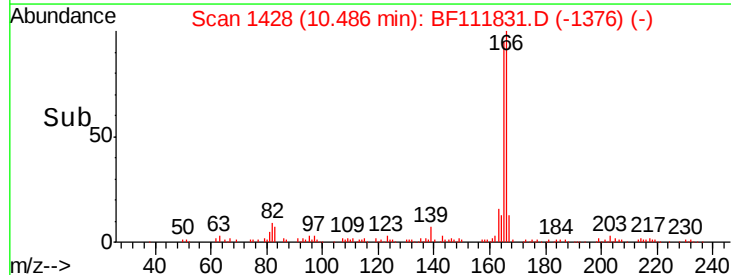
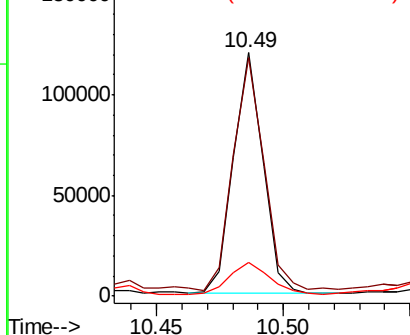


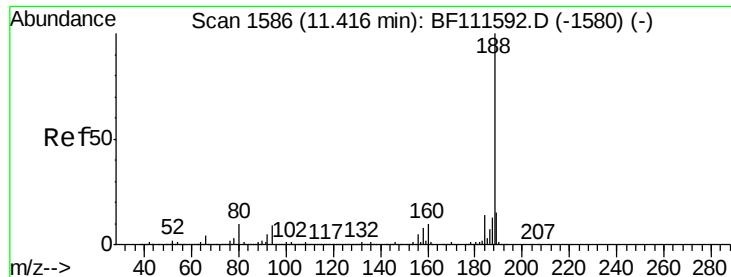
Abundance

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





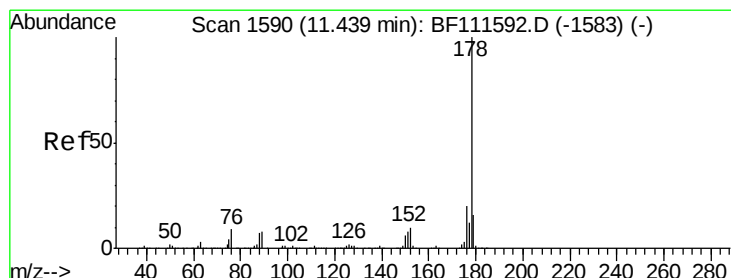
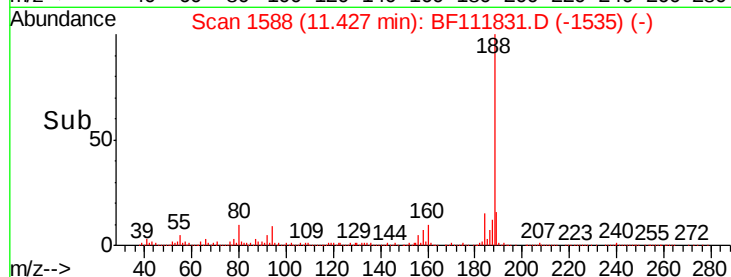
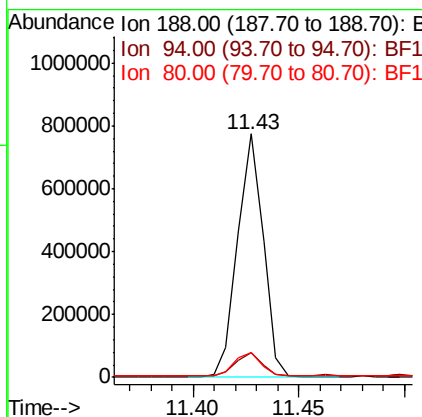
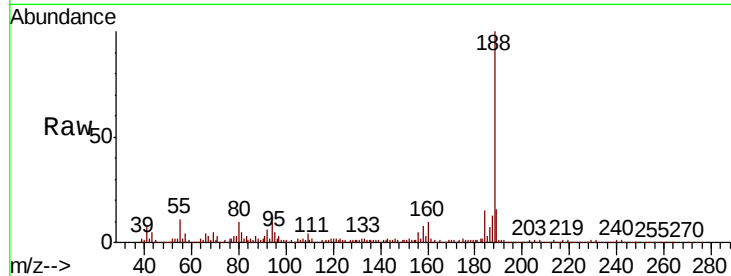
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.43 min Scan# 1588
Delta R.T. 0.01 min
Lab File: BF111831.D
Acq: 3 Jan 2019 19:54

Instrument :
BNA_F
ClientSampleId :
A-GLICAL-PILE

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.9	9.6	14.4
80	10.3	9.8	14.6

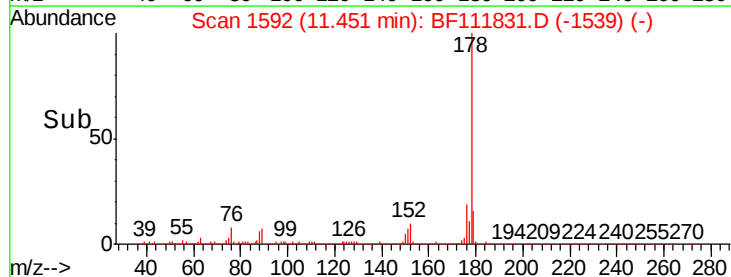
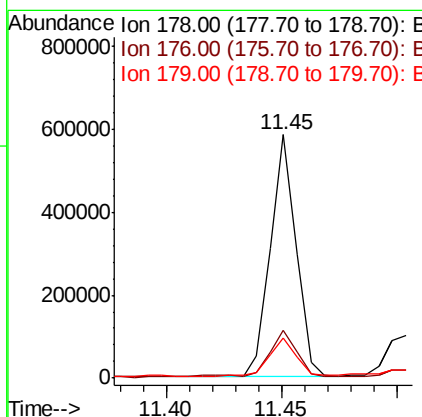
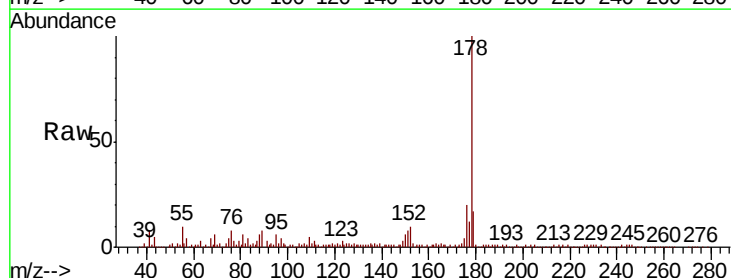
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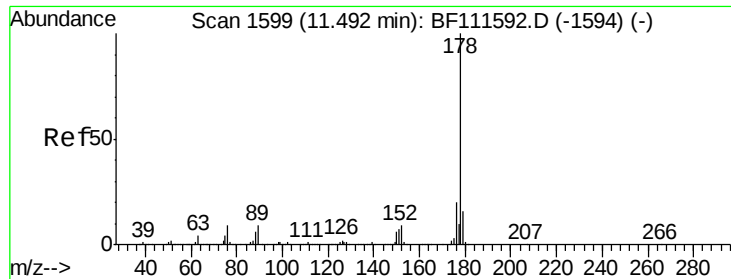
Sohil
1/4/2019 9:56:49 AM



#71
Phenanthrene
Concen: 13.128 ng
RT: 11.45 min Scan# 1592
Delta R.T. 0.01 min
Lab File: BF111831.D
Acq: 3 Jan 2019 19:54

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.8	18.1	27.1
179	16.6	14.0	21.0





#72

Anthracene

Concen: 2.462 ng

RT: 11.50 min Scan# 1601

Delta R.T. 0.01 min

Lab File: BF111831.D

Acq: 3 Jan 2019 19:54

Instrument :

BNA_F

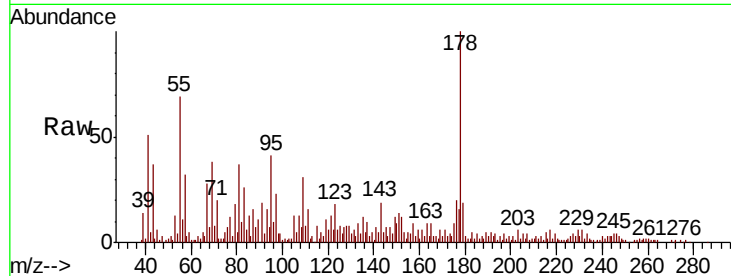
ClientSampleId :

A-GLICAL-PILE

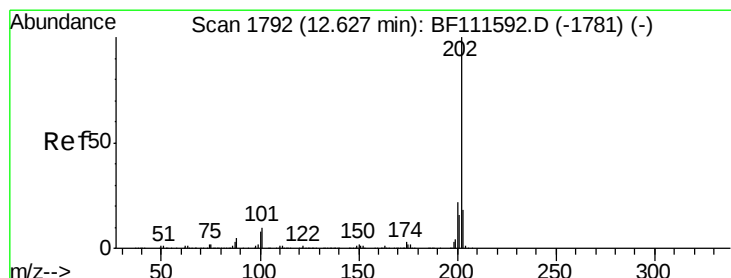
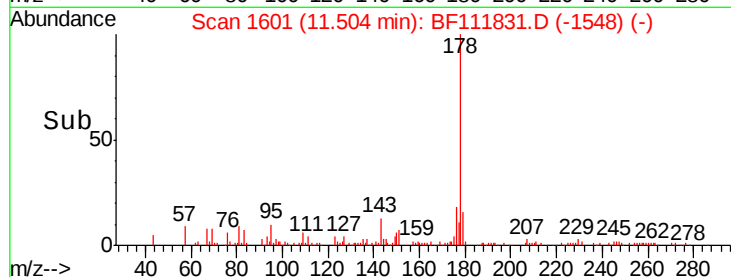
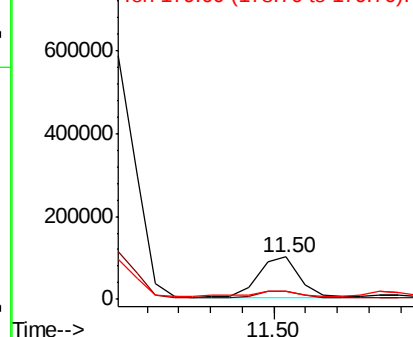
Tot Ion:	178	Resp:	85356
Ion Ratio	Lower	Upper	
178	100		
176	19.9	17.2	25.8
179	19.1	13.8	20.8

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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



#75

Fluoranthene

Concen: 13.281 ng

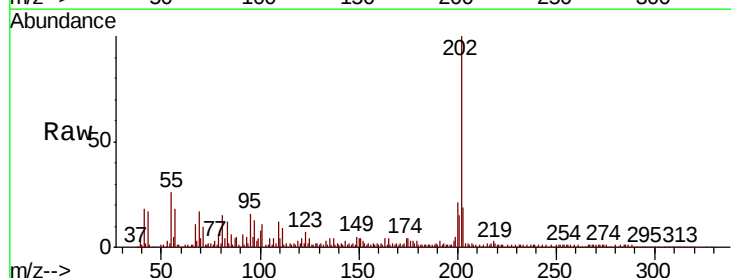
RT: 12.64 min Scan# 1795

Delta R.T. 0.02 min

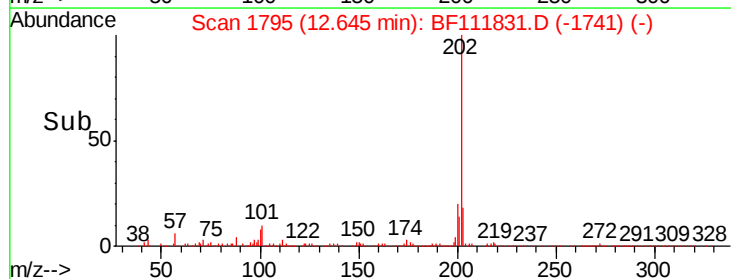
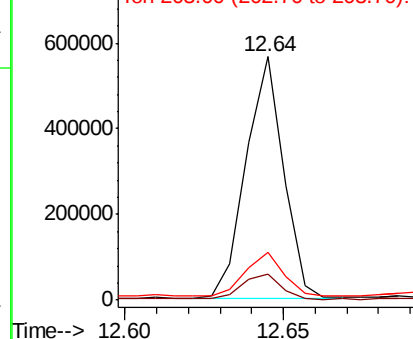
Lab File: BF111831.D

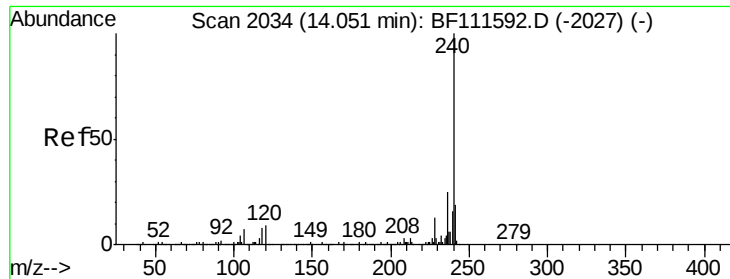
Acq: 3 Jan 2019 19:54

Tgt Ion:	202	Resp:	464466
Ion Ratio	Lower	Upper	
202	100		
101	10.8	0.0	33.8
203	19.4	0.0	38.6



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





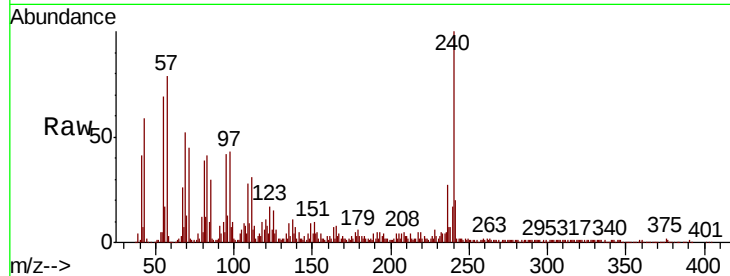
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.08 min Scan# 2039
Delta R.T. 0.03 min
Lab File: BF111831.D
Acq: 3 Jan 2019 19:54

Instrument :
BNA_F
ClientSampleId :
A-GLICAL-PILE

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.4	12.2	18.2#
236	26.6	20.2	30.2

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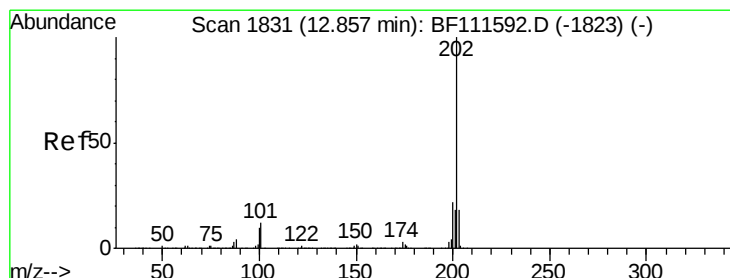
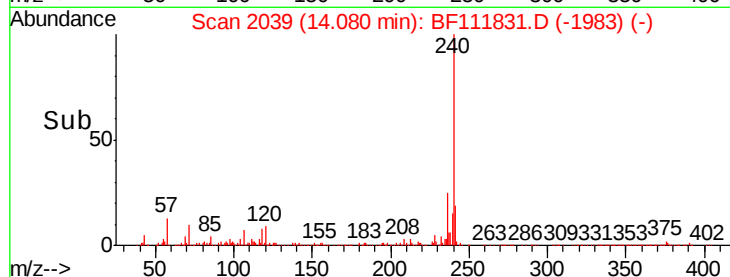
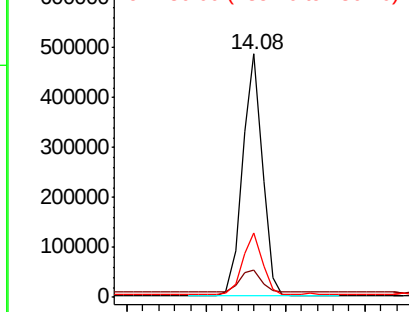


Abundance

Ion 240.00 (239.70 to 240.70): E

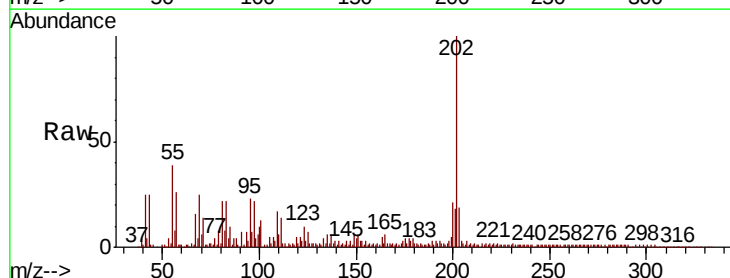
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78
Pyrene
Concen: 13.370 ng
RT: 12.87 min Scan# 1834
Delta R.T. 0.02 min
Lab File: BF111831.D
Acq: 3 Jan 2019 19:54

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.6	19.0	28.4
203	19.4	15.2	22.8

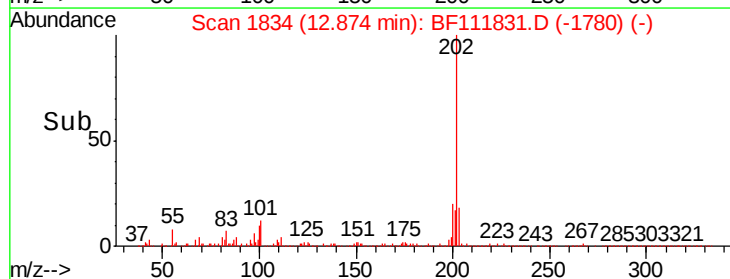
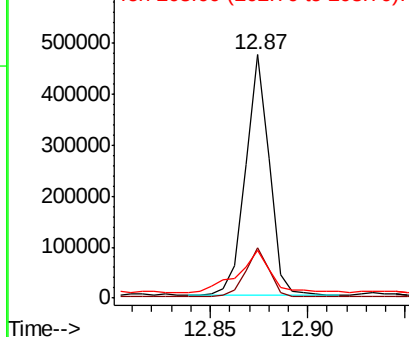


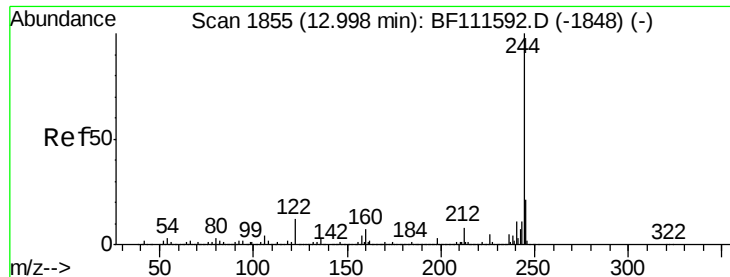
Abundance

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: 56.240 ng

RT: 13.02 min Scan# 1858

Delta R.T. 0.02 min

Lab File: BF111831.D

Acq: 3 Jan 2019 19:54

Instrument :

BNA_F

ClientSampleId :

A-GLICAL-PILE

Tot Ion:244 Resp: 1245124

Ion Ratio Lower Upper

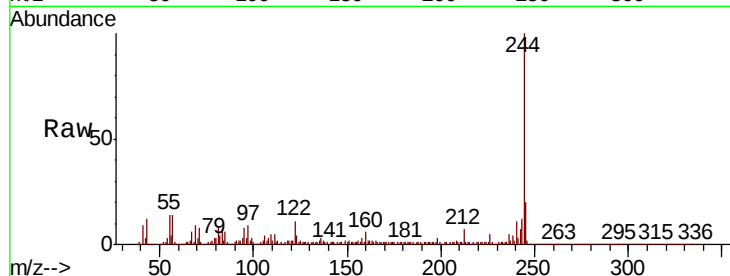
244 100

212 6.9 5.7 8.5

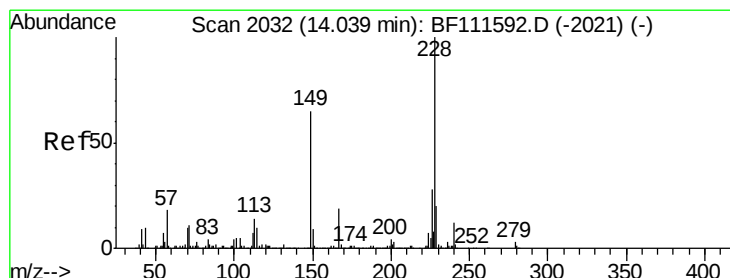
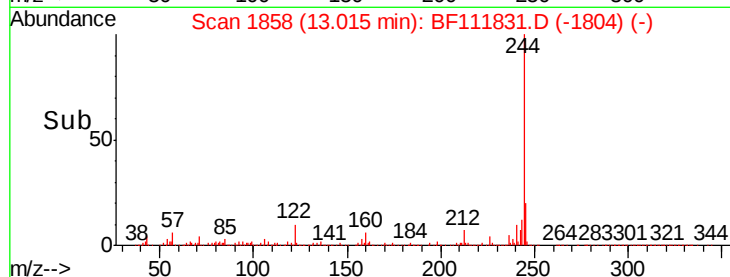
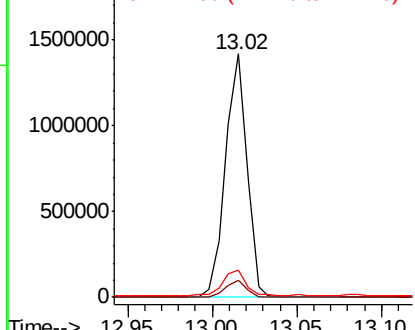
122 11.0 13.1 19.7#

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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



#81

Benzo(a)anthracene

Concen: 4.767 ng

RT: 14.07 min Scan# 2037

Delta R.T. 0.03 min

Lab File: BF111831.D

Acq: 3 Jan 2019 19:54

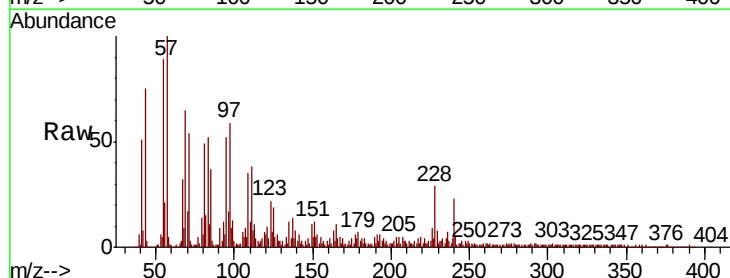
Tgt Ion:228 Resp: 114229

Ion Ratio Lower Upper

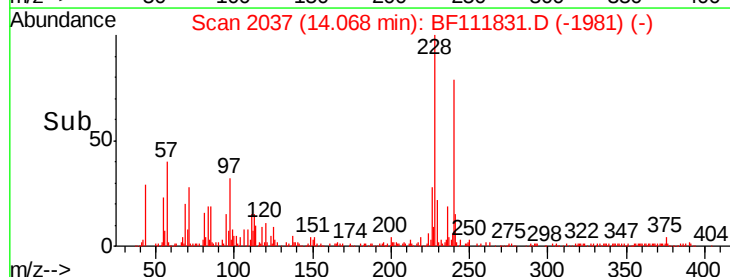
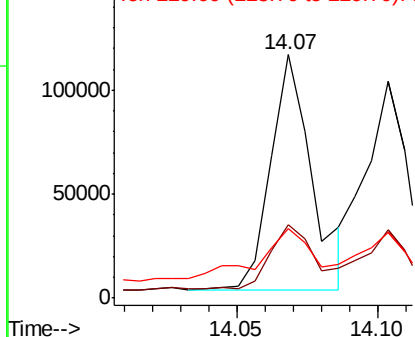
228 100

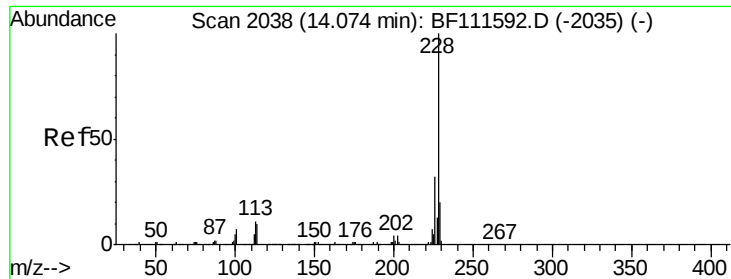
226 29.9 22.6 34.0

229 28.5 16.3 24.5#



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





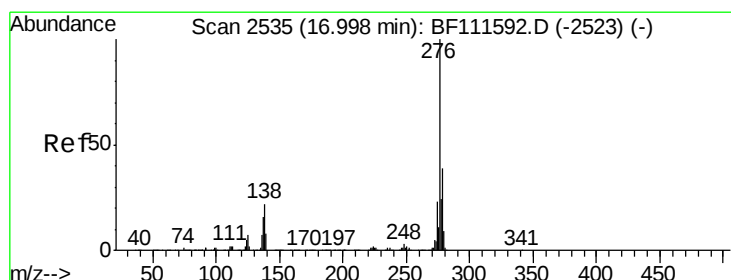
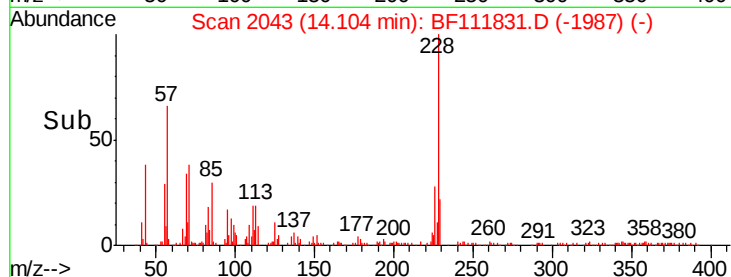
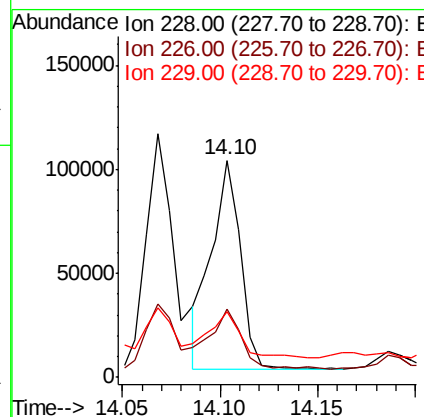
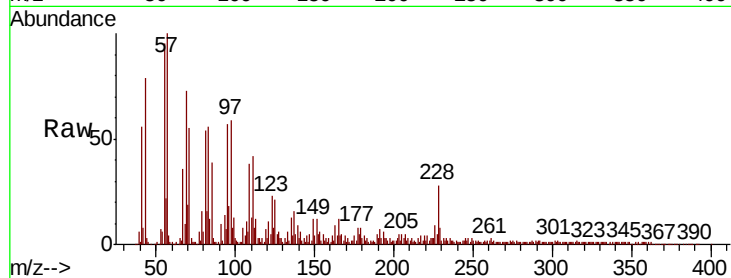
#83
Chrysene
Concen: 4.448 ng
RT: 14.10 min Scan# 2043
Delta R.T. 0.03 min
Lab File: BF111831.D
Acq: 3 Jan 2019 19:54

Instrument :
BNA_F
ClientSampleId :
A-GLICAL-PILE

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.3	37.9
229	30.0	17.2	25.8

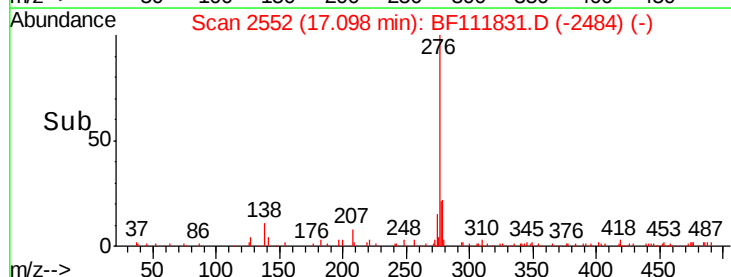
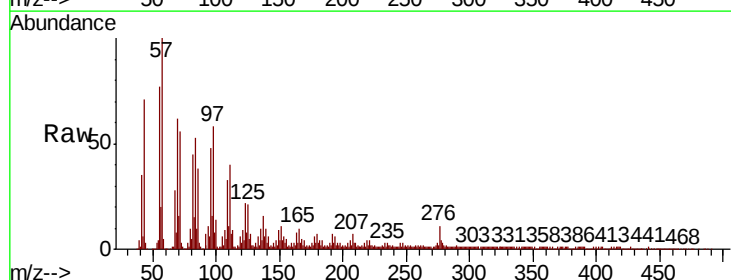
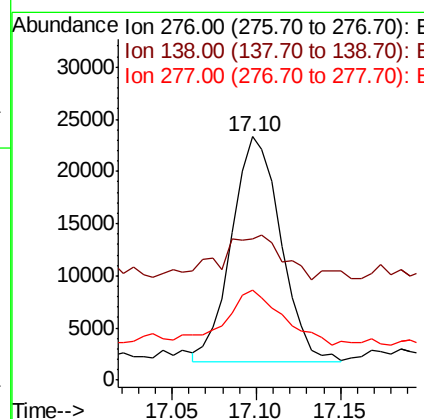
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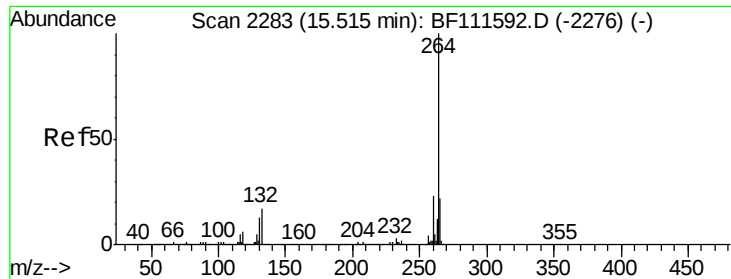
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#86
Indeno(1,2,3-cd)pyrene
Concen: 2.191 ng m
RT: 17.10 min Scan# 2552
Delta R.T. 0.10 min
Lab File: BF111831.D
Acq: 3 Jan 2019 19:54

Tgt Ion	Ratio	Lower	Upper
276	100		
138	5.4	27.8	41.6
277	3.7	20.1	30.1





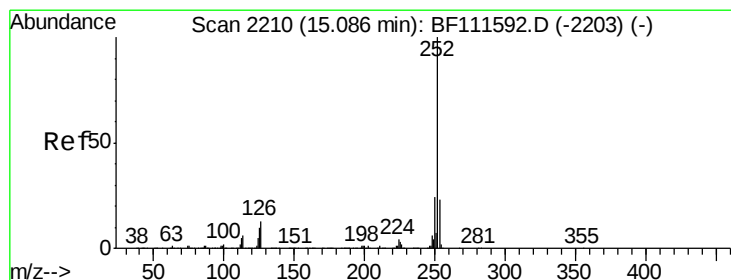
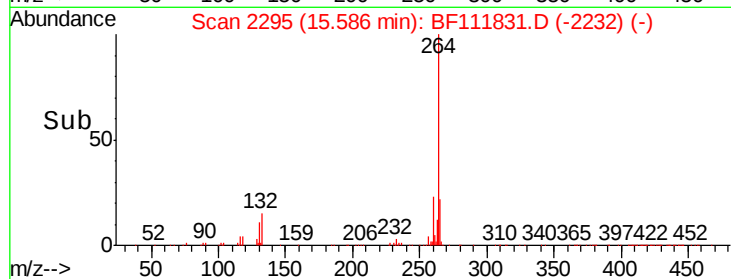
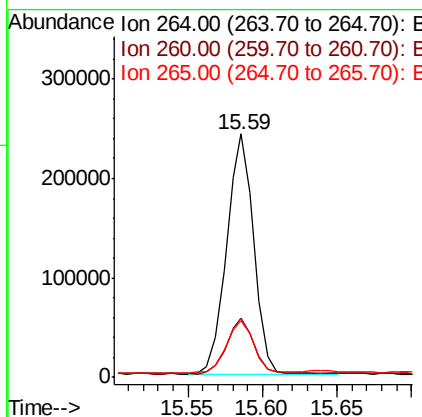
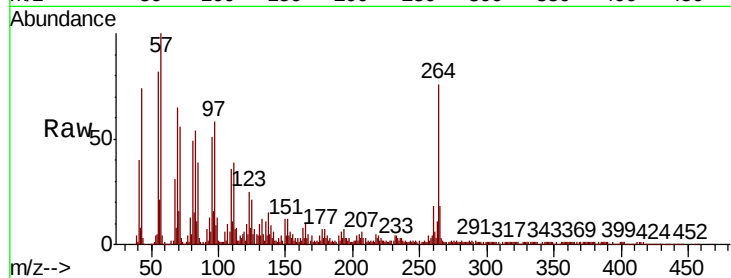
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.59 min Scan# 2295
Delta R.T. 0.07 min
Lab File: BF111831.D
Acq: 3 Jan 2019 19:54

Instrument :
BNA_F
ClientSampleId :
A-GLICAL-PILE

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.3	27.5
265	23.1	17.7	26.5

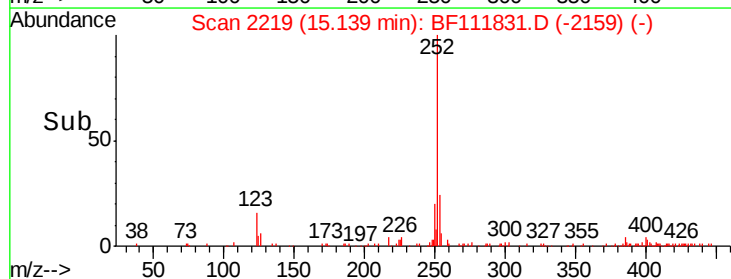
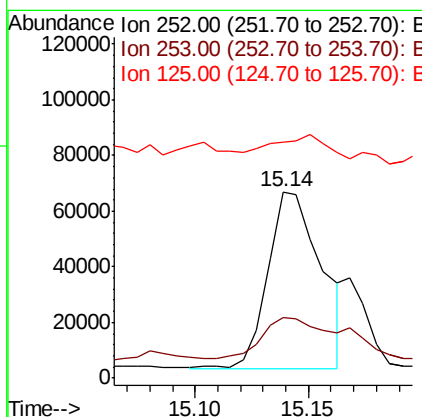
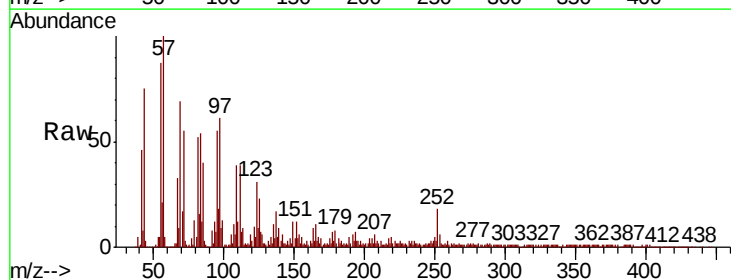
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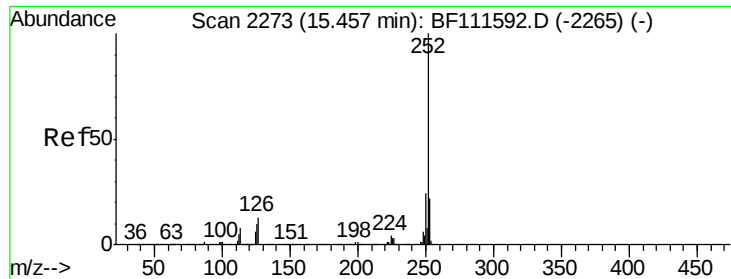
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#88
Benzo(b)fluoranthene
Concen: 5.779 ng m
RT: 15.14 min Scan# 2219
Delta R.T. 0.05 min
Lab File: BF111831.D
Acq: 3 Jan 2019 19:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.6	18.2	27.2#
125	127.0	10.4	15.6#





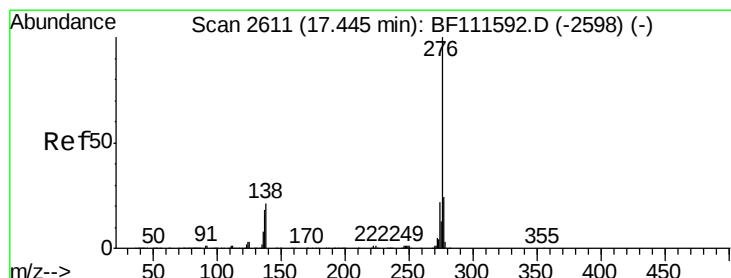
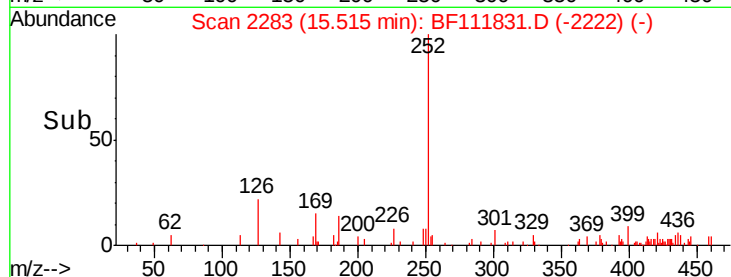
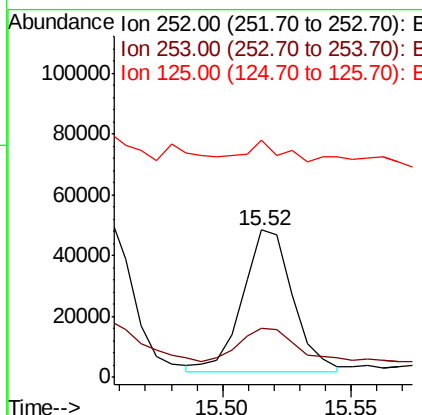
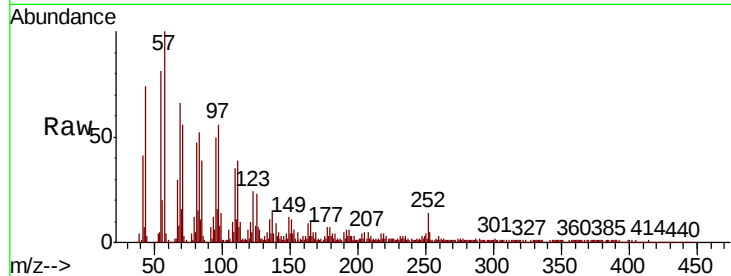
#90
Benzo(a)pyrene
Concen: 3.907 ng m
RT: 15.52 min Scan# 2283
Delta R.T. 0.06 min
Lab File: BF111831.D
Acq: 3 Jan 2019 19:54

Instrument :
BNA_F
ClientSampleId :
A-GLICAL-PILE

Tot Ion	Ratio	Lower	Upper
252	100		
253	33.0	17.8	26.8#
125	161.2	12.3	18.5#

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 3.082 ng
RT: 17.56 min Scan# 2631
Delta R.T. 0.12 min
Lab File: BF111831.D
Acq: 3 Jan 2019 19:54

Tgt Ion	Ratio	Lower	Upper
276	100		
277	37.7	19.2	28.8#
138	60.8	24.9	37.3#

