

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062220\
 Data File : BF120692.D
 Acq On : 22 Jun 2020 23:04
 Operator : JU/CG
 Sample : L3082-17
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-18

Manual Integrations
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Quant Time: Jun 23 03:12:28 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 11 11:28:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	145793	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	550896	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	285475	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	576722	20.00	ng	0.00
76) Chrysene-d12	13.98	240	356223	20.00	ng	0.02
86) Perylene-d12	15.43	264	448223	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	791795	93.11	ng	0.00
7) Phenol-d6	6.43	99	1016981	96.02	ng	0.00
23) Nitrobenzene-d5	7.36	82	640135	64.95	ng	-0.01
42) 2,4,6-Tribromophenol	10.63	330	321739	96.94	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	1239511	66.43	ng	0.00
79) Terphenyl-d14	12.92	244	1528686	94.79	ng	0.00
Target Compounds						
31) Naphthalene	8.10	128	215657	7.972	ng	99
37) 2-Methylnaphthalene	8.79	142	61898	3.505	ng	100
38) 1-Methylnaphthalene	8.89	142	60675	3.651	ng	98
49) Acenaphthylene	9.69	152	563919	20.962	ng	98
50) Dimethylphthalate	9.55	163	113778	5.534	ng	99
52) Acenaphthene	9.86	154	120750	7.526	ng	100
55) Dibenzofuran	10.04	168	276882	11.255	ng	98
58) Fluorene	10.38	166	348733	18.388	ng	99
71) Phenanthrene	11.36	178	3583865	125.010	ng	98
72) Anthracene	11.40	178	855172	29.593	ng	100
73) Carbazole	11.55	167	527487	18.440	ng	99
75) Fluoranthene	12.56	202	5110538	155.915	ng	98
78) Pylene	12.79	202	4742449	187.928	ng	95
81) Benzo(a)anthracene	13.97	228	2700235	126.170	ng	# 90
83) Chrysene	14.01	228	2464124m	112.247	ng	
87) Indeno(1,2,3-cd)pyrene	16.89	276	2061070	75.595	ng	96
88) Benzo(b)fluoranthene	15.02	252	3289572m	123.207	ng	
89) Benzo(k)fluoranthene	15.04	252	1111135m	47.031	ng	
90) Benzo(a)pyrene	15.38	252	2502151	104.714	ng	96
91) Dibenz(a,h)anthracene	16.89	278	465842m	21.307	ng	
92) Benzo(g,h,i)perylene	17.32	276	1998198	90.672	ng	100

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

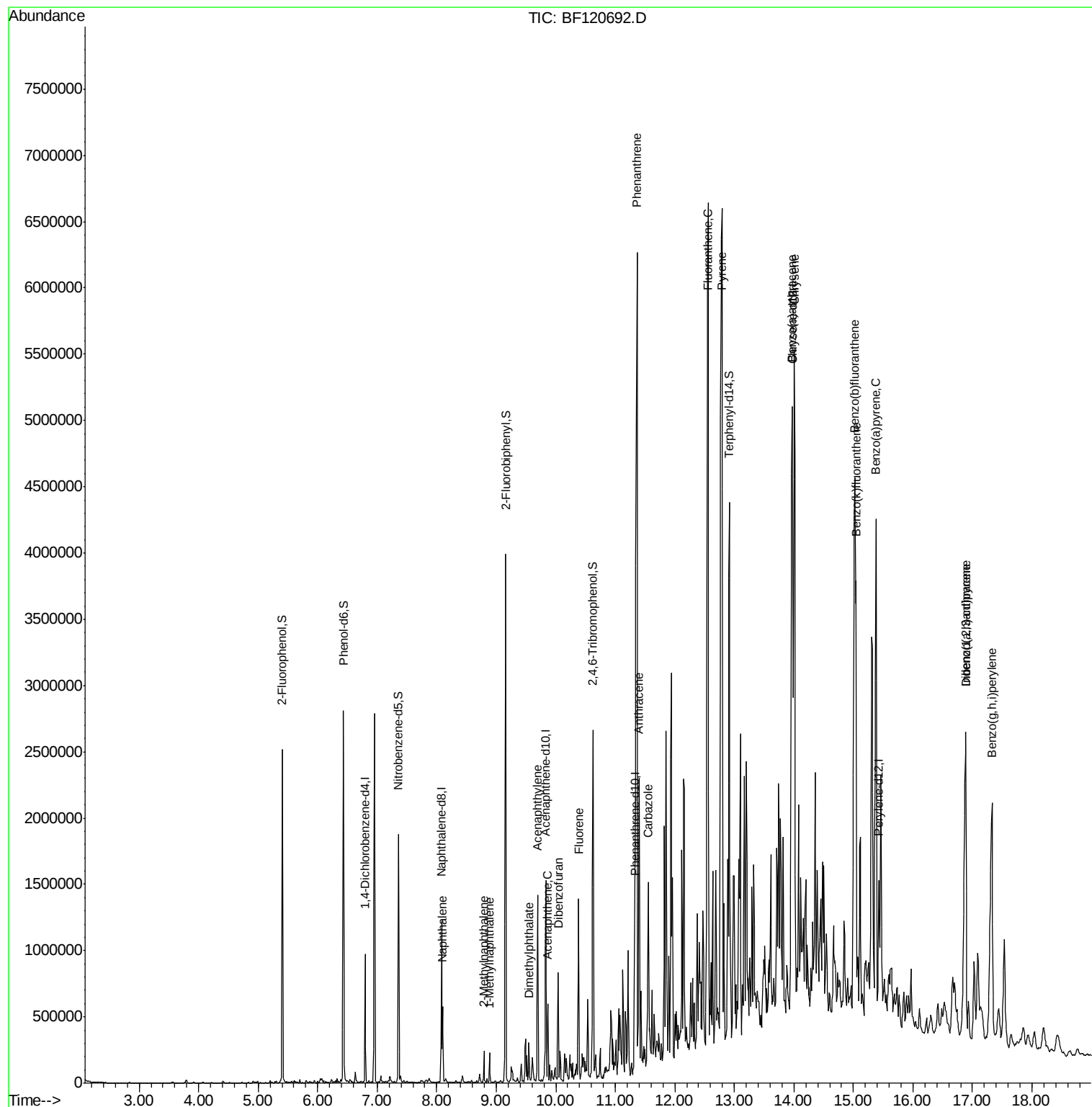
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062220\
Data File : BF120692.D
Acq On : 22 Jun 2020 23:04
Operator : JU/CG
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Misc :
ALS Vial : 17 Sample Multiplier: 1

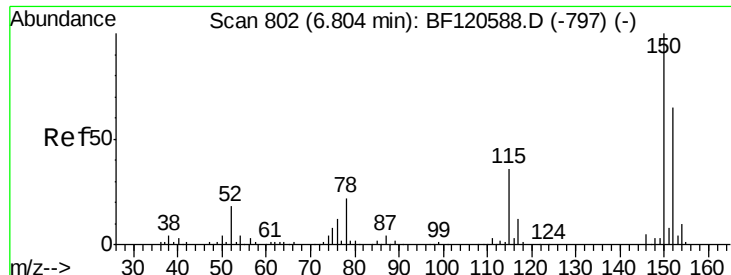
Instrument :
BNA_F
ClientSampled :
SB-18

Quant Time: Jun 23 03:12:28 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.M
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QLast Update : Thu Jun 11 11:28:22 2020
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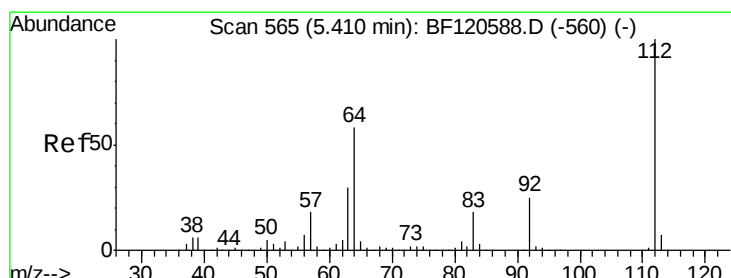
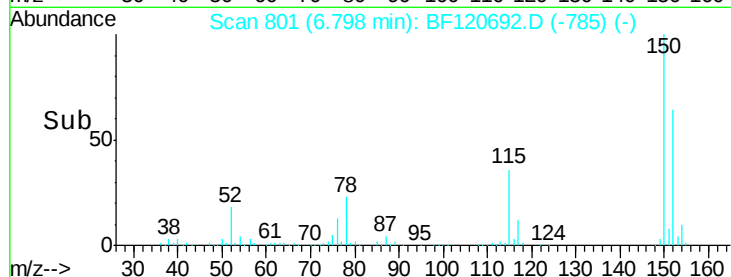
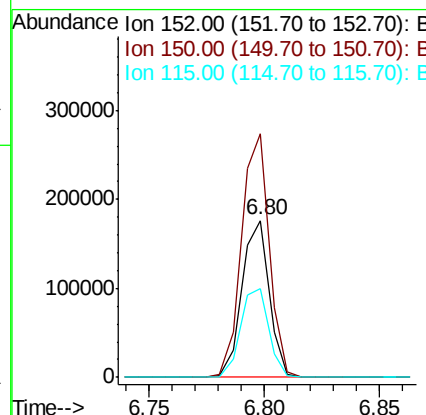
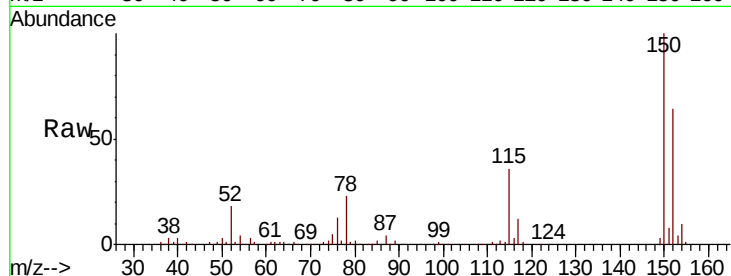
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 801
 Delta R.T. -0.01 min
 Lab File: BF120692.D
 Acq: 22 Jun 2020 23:04

Instrument :
 BNA_F
 ClientSampled :
 SB-18

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	123.2	184.8
115	56.5	43.9	65.9

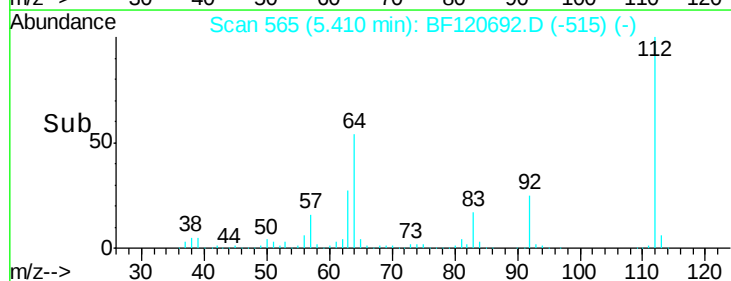
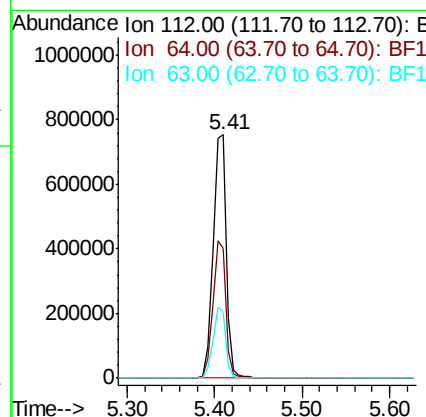
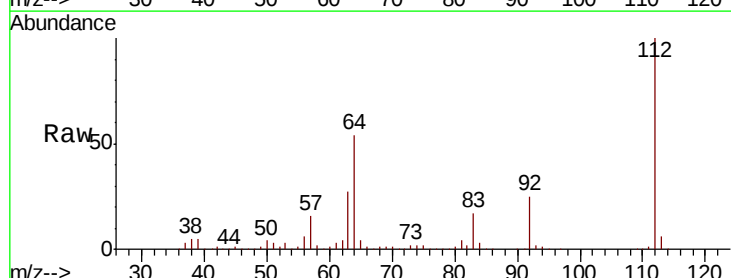
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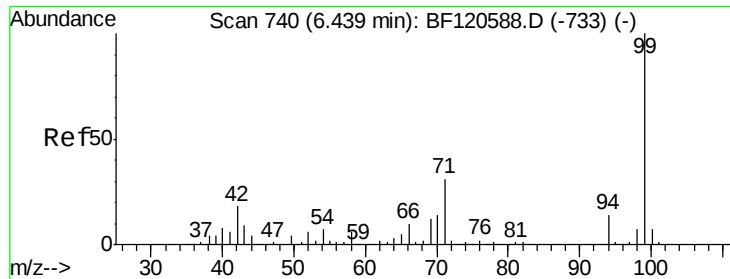
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#5
 2-Fluorophenol
 Concen: 93.111 ng
 RT: 5.41 min Scan# 565
 Delta R.T. -0.01 min
 Lab File: BF120692.D
 Acq: 22 Jun 2020 23:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.5	46.1	69.1
63	26.9	23.7	35.5





#7

Phenol-d6

Concen: 96.019 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF120692.D

Acq: 22 Jun 2020 23:04

Instrument :

BNA_F

ClientSampled :

SB-18

Tot Ion: 99 Resp: 1016981

Ion Ratio Lower Upper

99 100

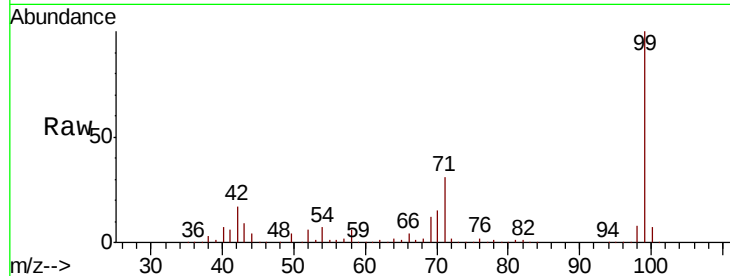
42 17.3 14.0 21.0

71 31.4 24.9 37.3

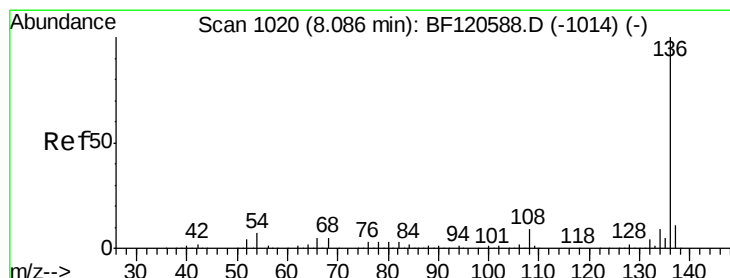
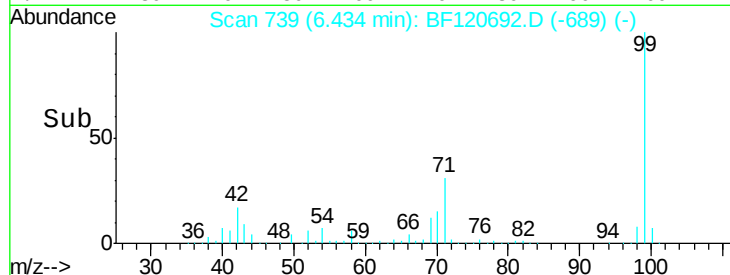
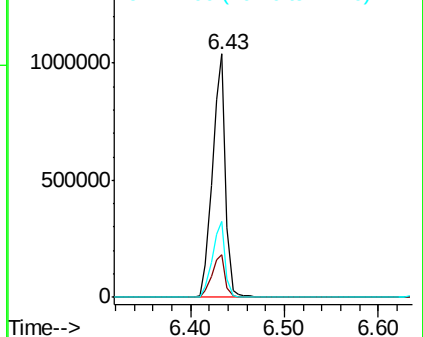
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.08 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BF120692.D

Acq: 22 Jun 2020 23:04

Tgt Ion: 136 Resp: 550896

Ion Ratio Lower Upper

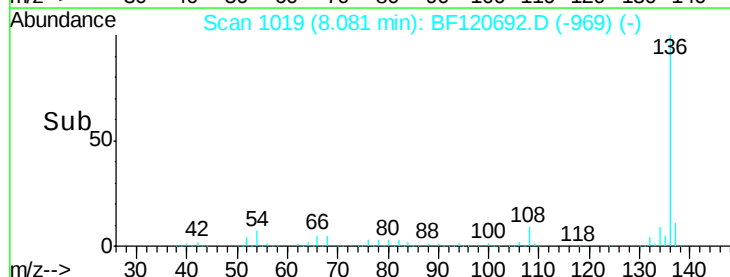
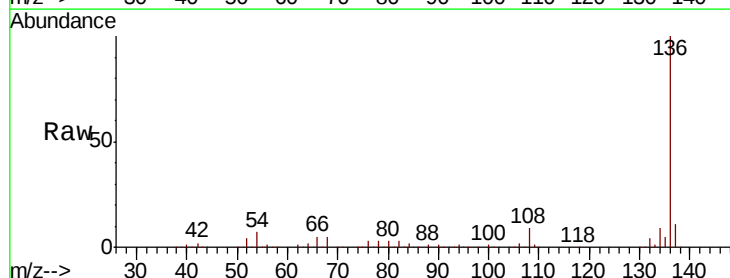
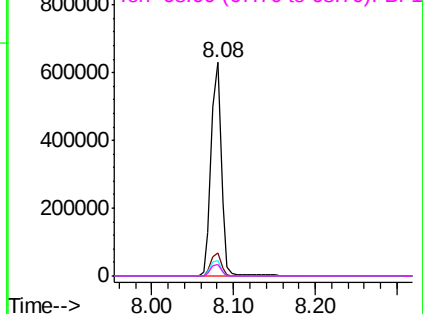
136 100

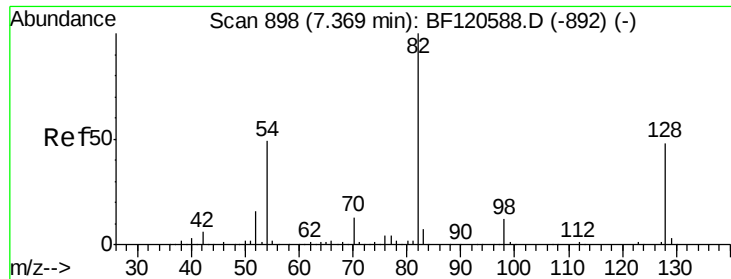
137 11.0 8.6 13.0

54 6.9 5.8 8.6

68 5.3 4.4 6.6

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





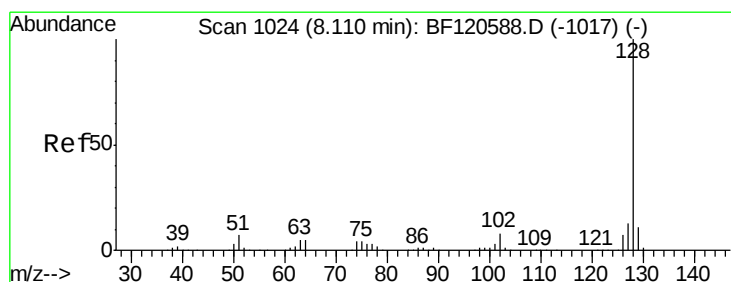
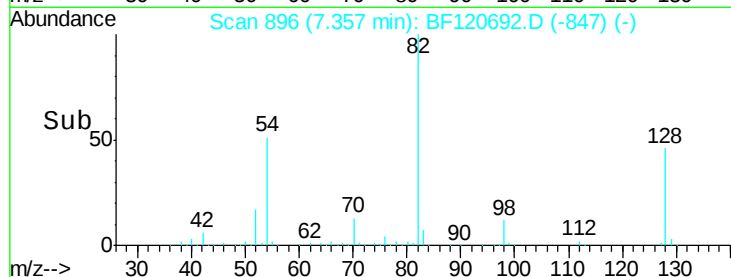
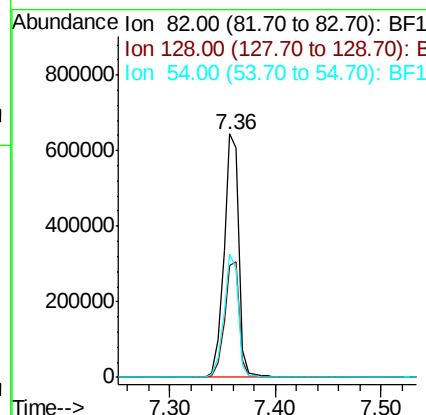
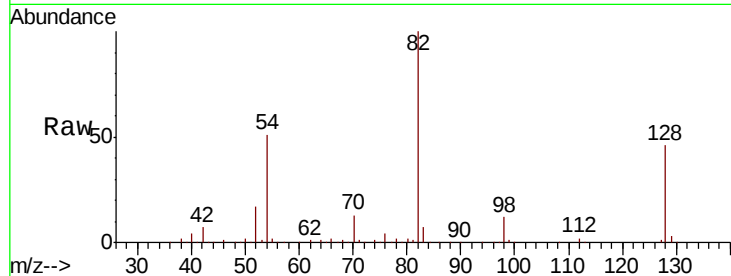
#23
Nitrobenzene-d5
Concen: 64.951 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF120692.D
Acq: 22 Jun 2020 23:04

Instrument :
BNA_F
ClientSampled :
SB-18

Tot Ion	82	Resp	640135
Ion Ratio	100	Lower	Upper
82	100		
128	45.8	38.0	57.0
54	50.7	38.8	58.2

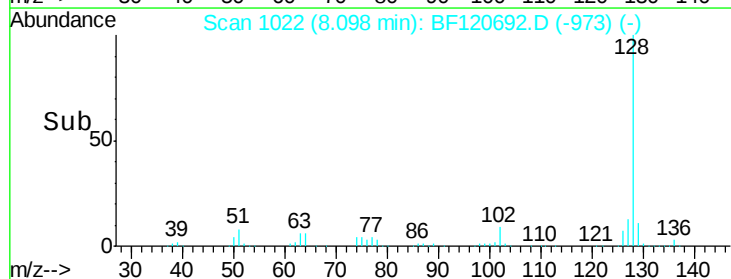
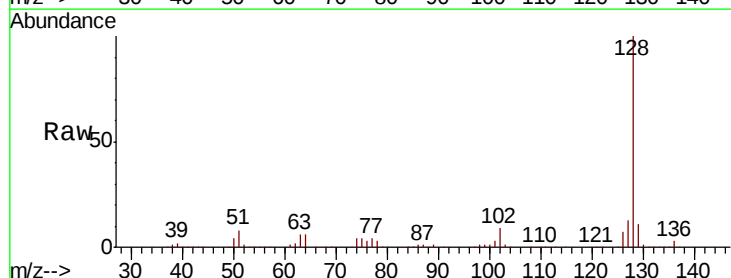
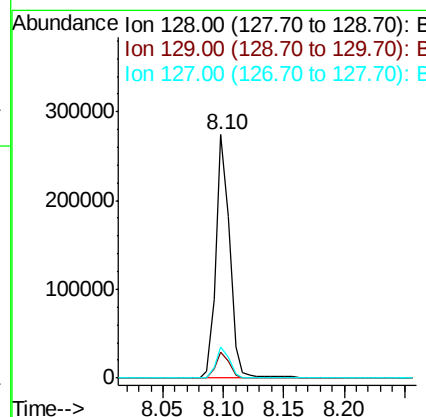
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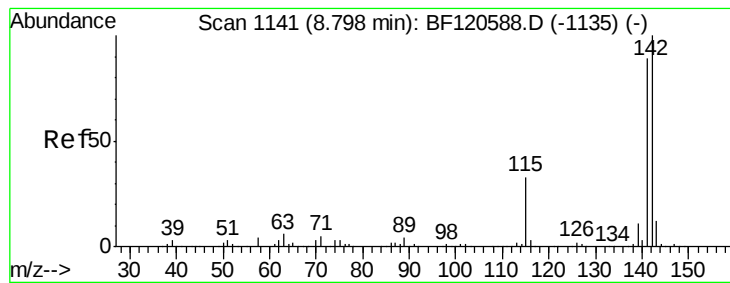
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#31
Naphthalene
Concen: 7.972 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF120692.D
Acq: 22 Jun 2020 23:04

Tgt Ion	128	Resp	215657
Ion Ratio	100	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	12.9	10.6	15.8





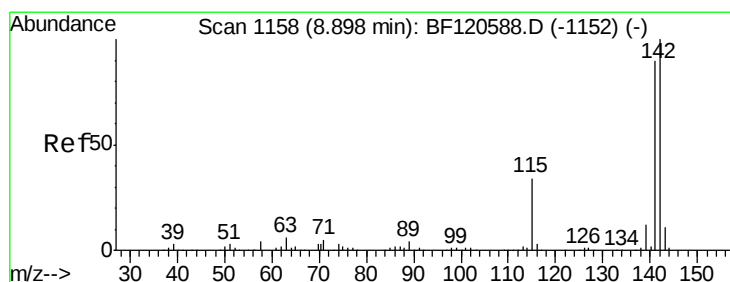
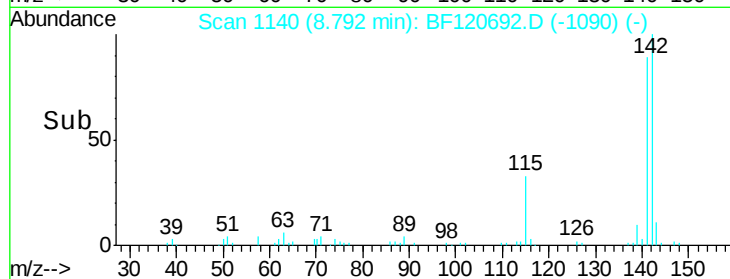
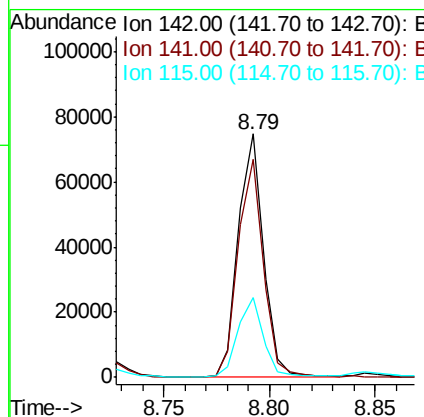
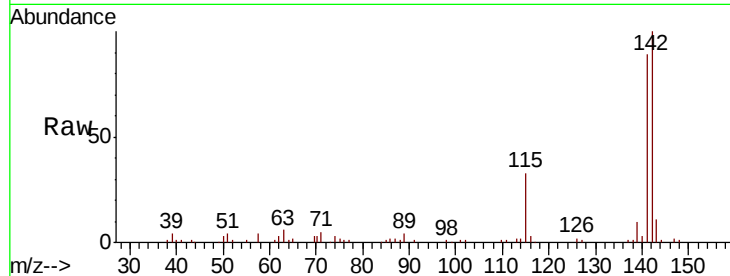
#37
2-Methylnaphthalene
Concen: 3.505 ng
RT: 8.79 min Scan# 1140
Delta R.T. -0.01 min
Lab File: BF120692.D
Acq: 22 Jun 2020 23:04

Instrument :
BNA_F
ClientSampled :
SB-18

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.4	71.4	107.0
115	32.8	26.1	39.1

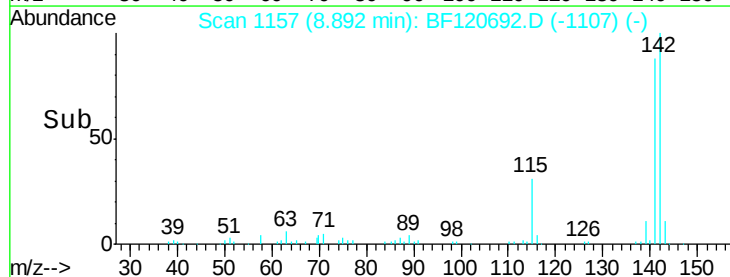
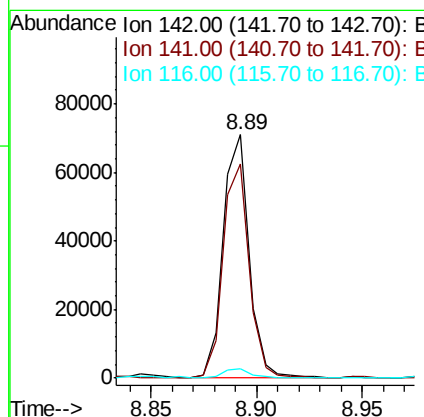
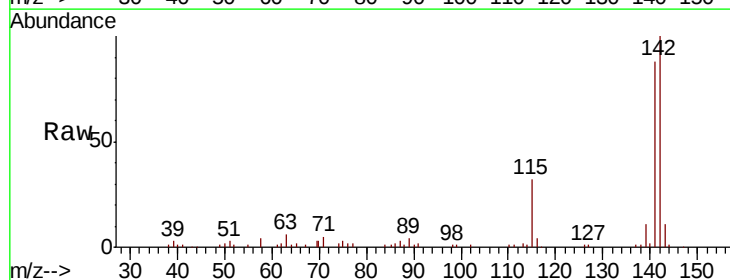
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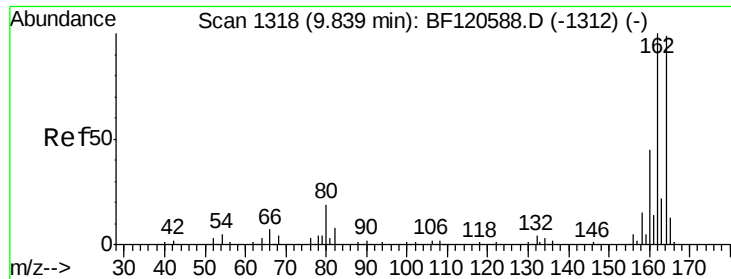
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#38
1-Methylnaphthalene
Concen: 3.651 ng
RT: 8.89 min Scan# 1157
Delta R.T. -0.01 min
Lab File: BF120692.D
Acq: 22 Jun 2020 23:04

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.0	72.1	108.1
116	4.0	2.7	4.1





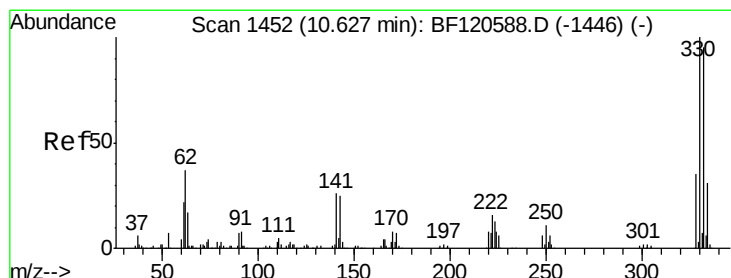
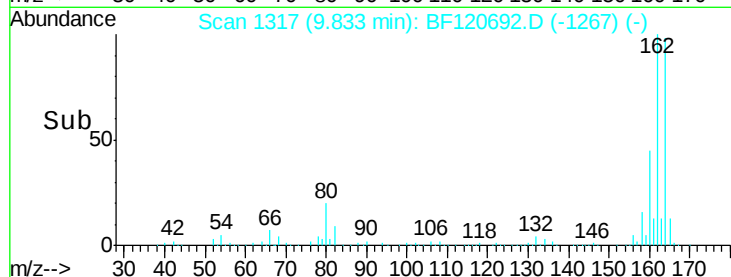
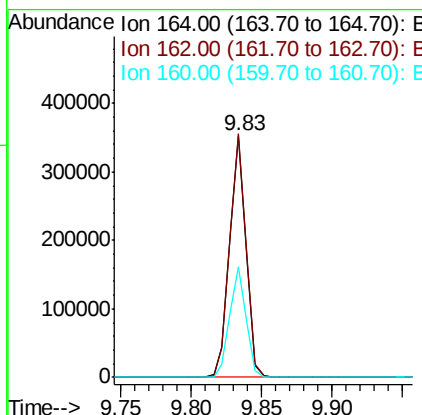
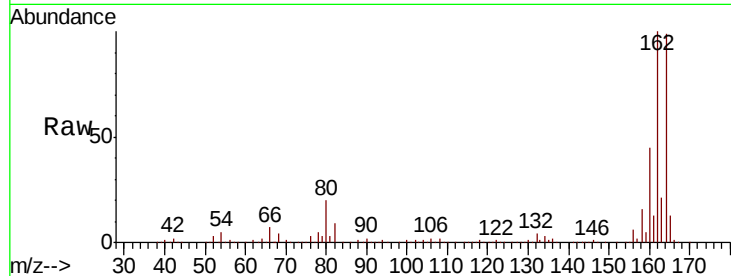
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF120692.D
Acq: 22 Jun 2020 23:04

Instrument :
BNA_F
ClientSampled :
SB-18

Tot Ion	Ratio	Resp	Lower	Upper
164	100	285475		
162	100.9	80.6	120.8	
160	45.7	36.2	54.2	

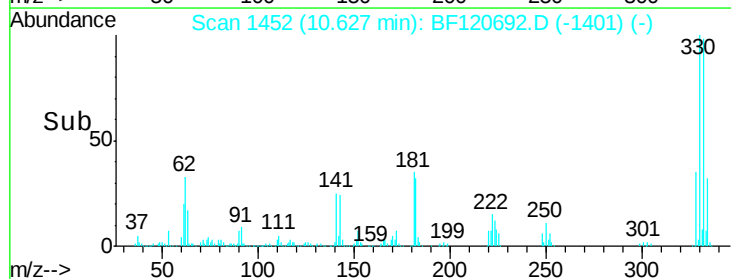
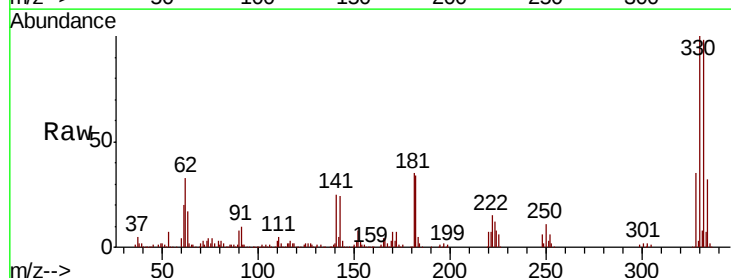
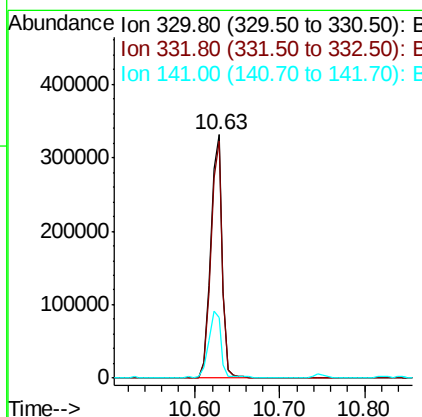
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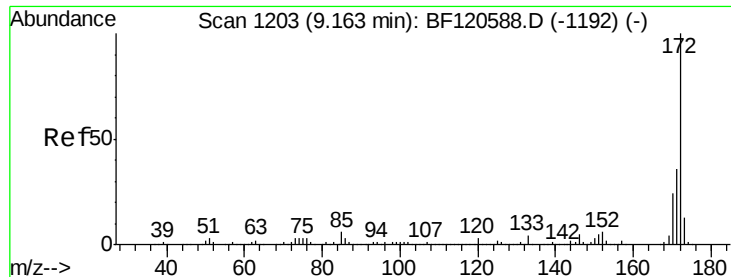
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#42
2,4,6-Tribromophenol
Concen: 96.937 ng
RT: 10.63 min Scan# 1452
Delta R.T. 0.00 min
Lab File: BF120692.D
Acq: 22 Jun 2020 23:04

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	321739		
332	96.2	76.8	115.2	
141	29.8	23.2	34.8	





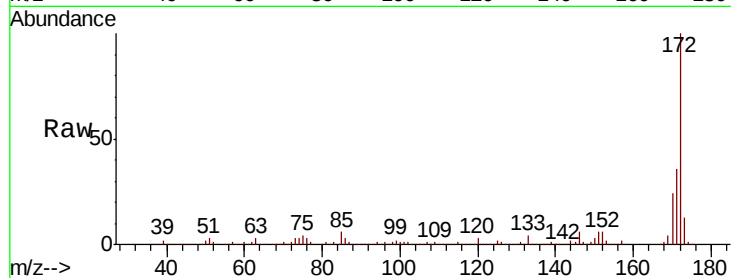
#45
2-Fluorobiphenyl
Concen: 66.431 ng
RT: 9.16 min Scan# 1202
Delta R.T. -0.01 min
Lab File: BF120692.D
Acq: 22 Jun 2020 23:04

Instrument :
BNA_F
ClientSampled :
SB-18

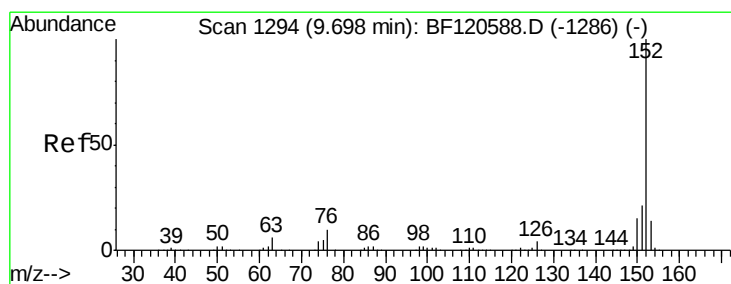
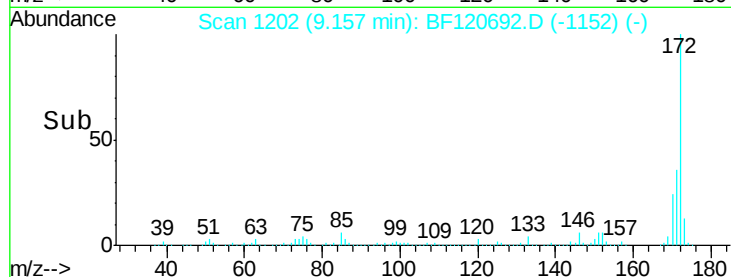
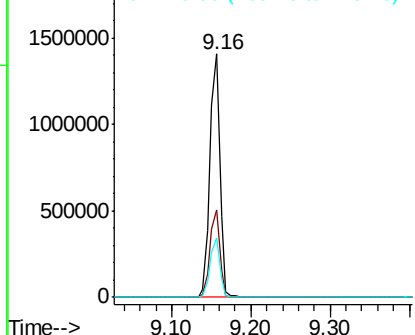
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.0	43.4
170	24.3	19.4	29.2

Manual Integrations
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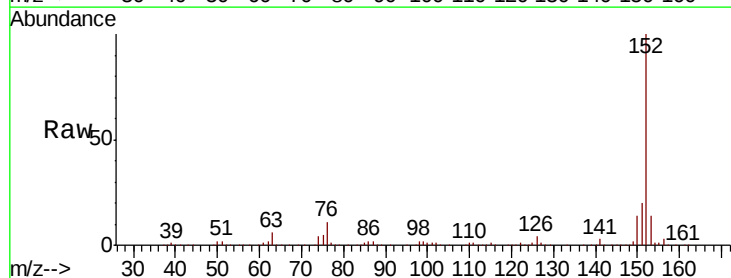


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

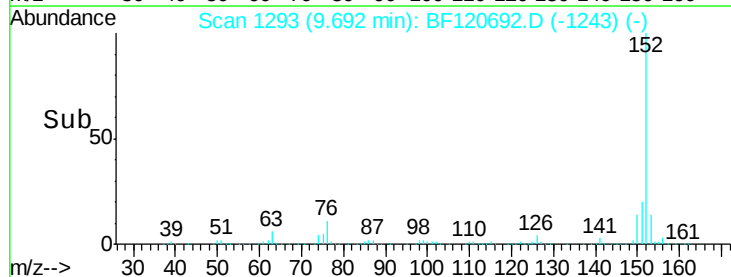
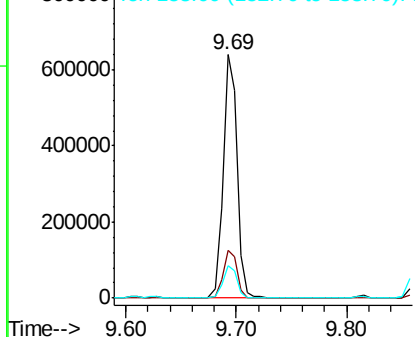


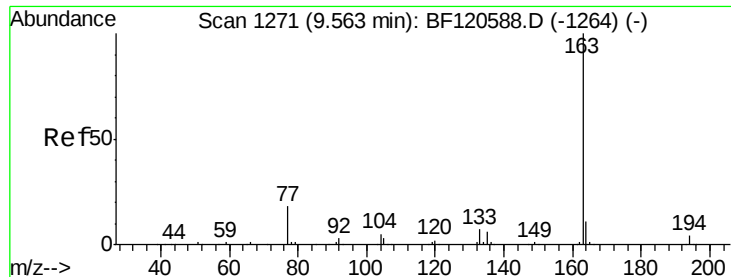
#49
Acenaphthylene
Concen: 20.962 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF120692.D
Acq: 22 Jun 2020 23:04

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.6	25.0
153	13.5	11.0	16.6



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





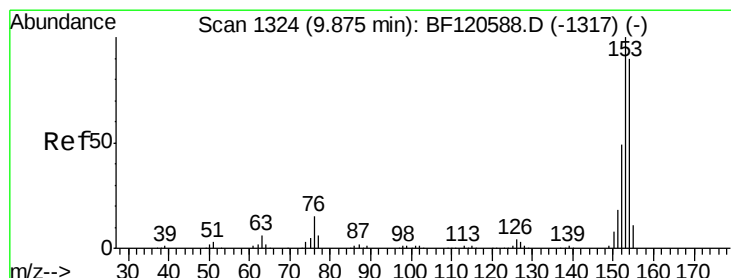
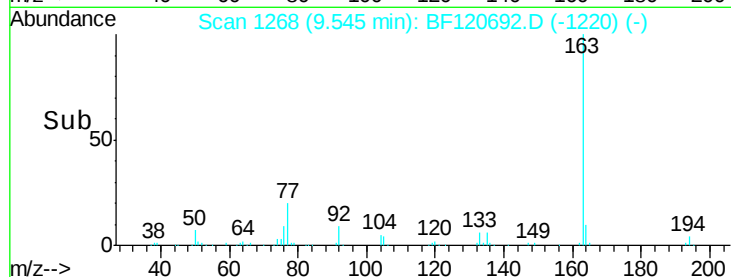
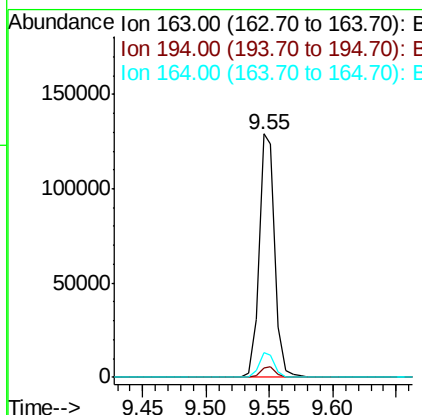
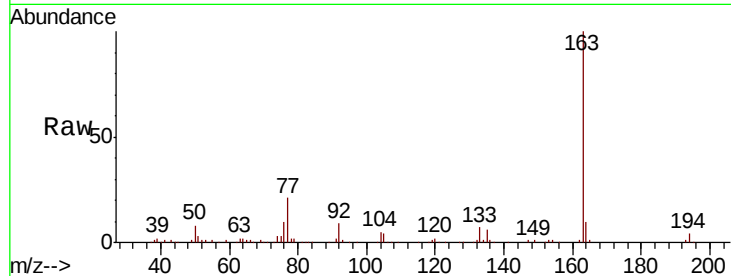
#50
Dimethylphthalate
Concen: 5.534 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.02 min
Lab File: BF120692.D
Acq: 22 Jun 2020 23:04

Instrument :
BNA_F
ClientSampleId :
SB-18

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.7	3.1	4.7	
164	10.1	8.5	12.7	

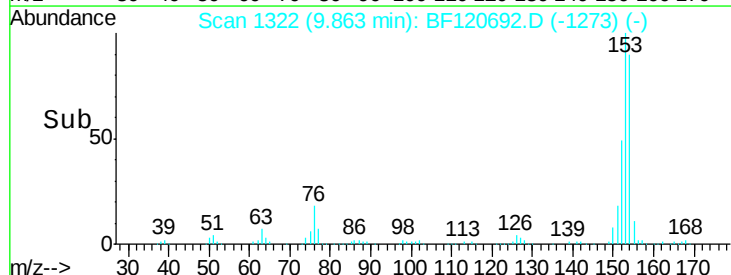
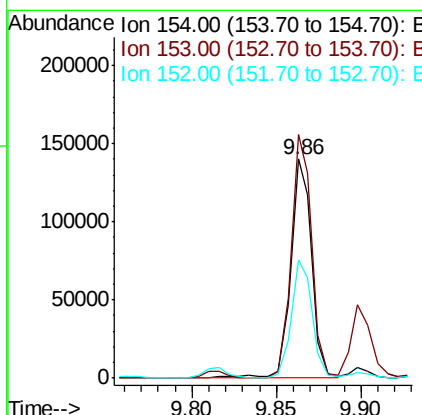
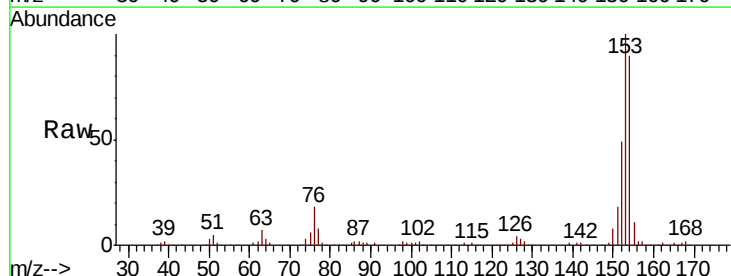
Manual Integrations
APPROVED

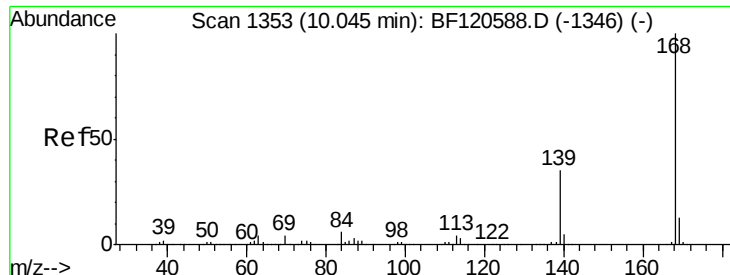
Sohil
6/23/2020 2:03:45 PM



#52
Acenaphthene
Concen: 7.526 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF120692.D
Acq: 22 Jun 2020 23:04

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	111.3	89.1	133.7	
152	54.2	43.7	65.5	





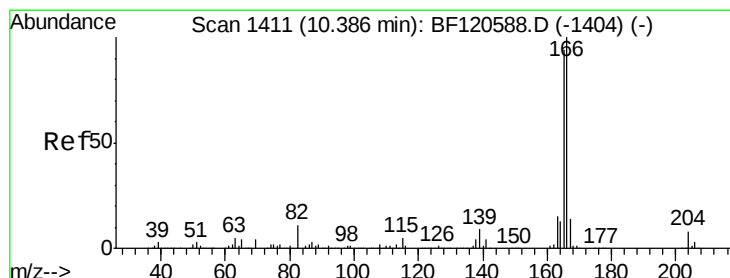
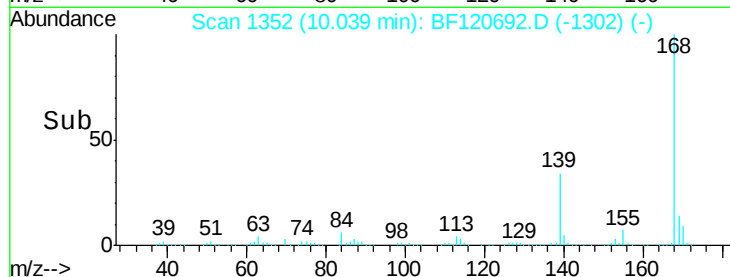
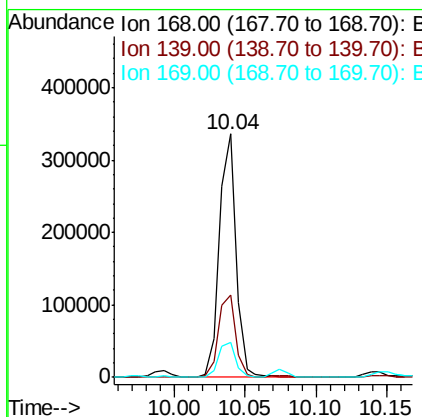
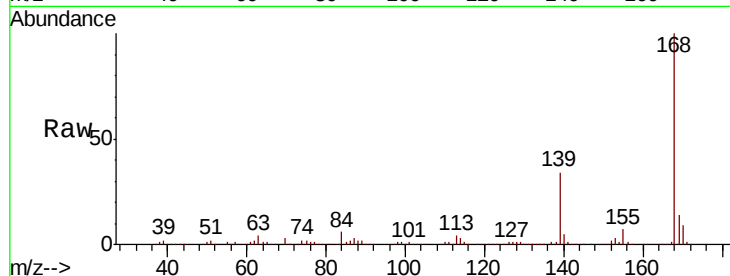
#55
Dibenzenofuran
Concen: 11.255 ng
RT: 10.04 min Scan# 1352
Delta R.T. -0.01 min
Lab File: BF120692.D
Acq: 22 Jun 2020 23:04

Instrument :
BNA_F
ClientSampled :
SB-18

Tot Ion	Ratio	Lower	Upper
168	100		
139	34.0	28.1	42.1
169	14.3	10.6	16.0

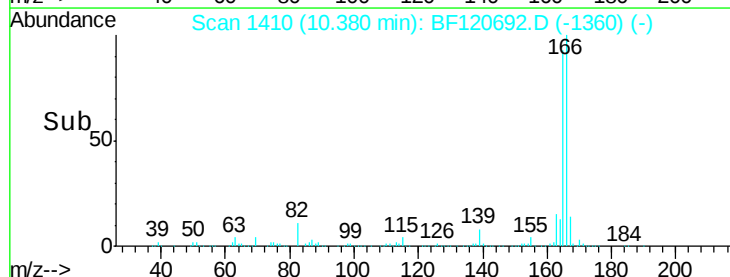
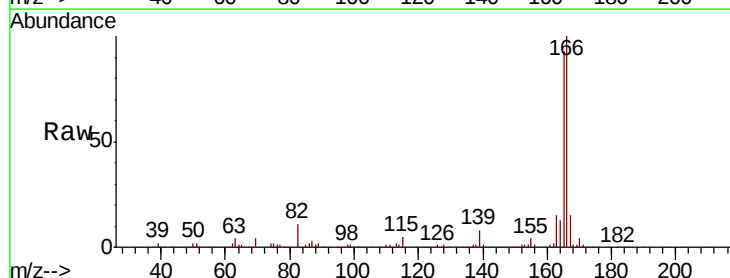
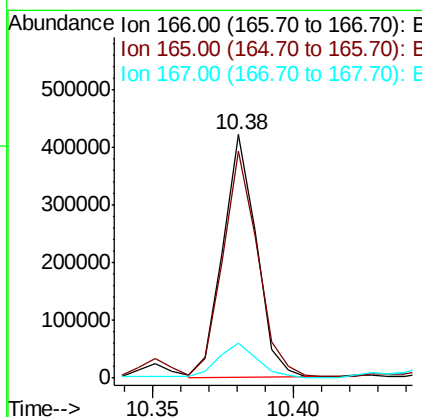
Manual Integrations
APPROVED

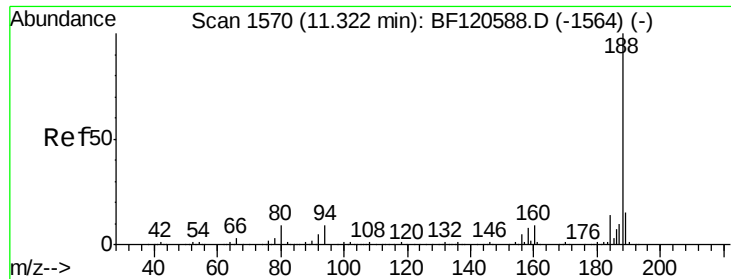
Sohil
6/23/2020 2:03:45 PM



#58
Fluorene
Concen: 18.388 ng
RT: 10.38 min Scan# 1410
Delta R.T. -0.01 min
Lab File: BF120692.D
Acq: 22 Jun 2020 23:04

Tgt Ion	Ratio	Lower	Upper
166	100		
165	93.0	75.0	112.6
167	14.6	11.0	16.4





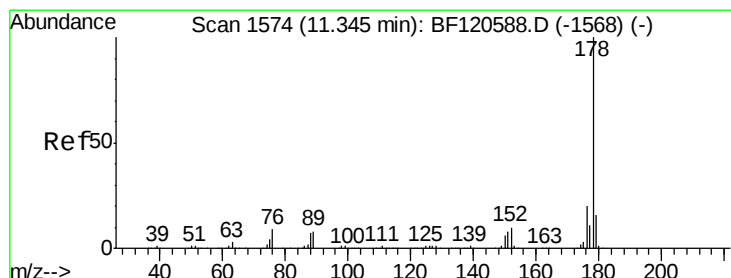
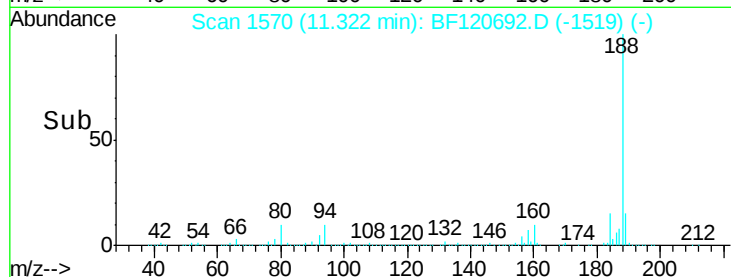
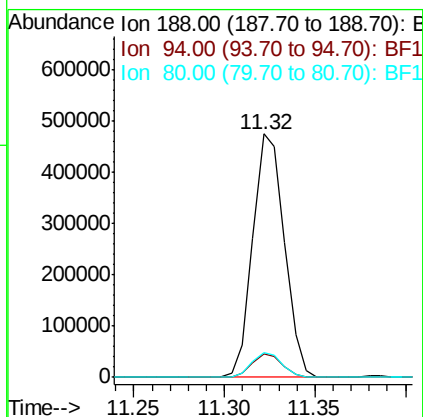
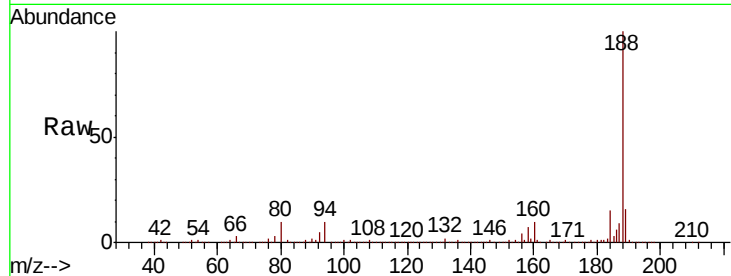
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. 0.00 min
Lab File: BF120692.D
Acq: 22 Jun 2020 23:04

Instrument :
BNA_F
ClientSampleId :
SB-18

Tot Ion	Ratio	Lower	Upper
188	100		
94	9.6	7.2	10.8
80	10.1	7.4	11.2

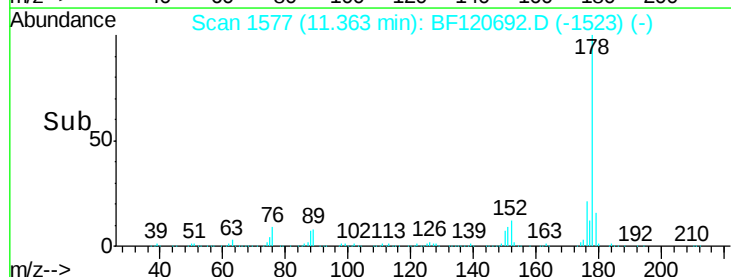
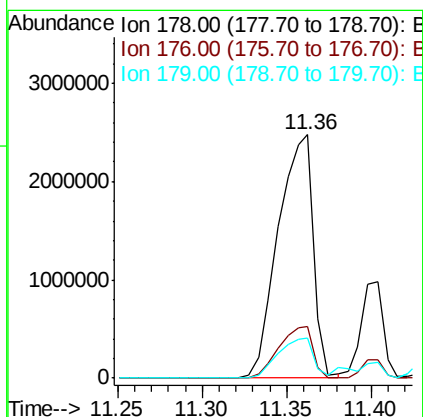
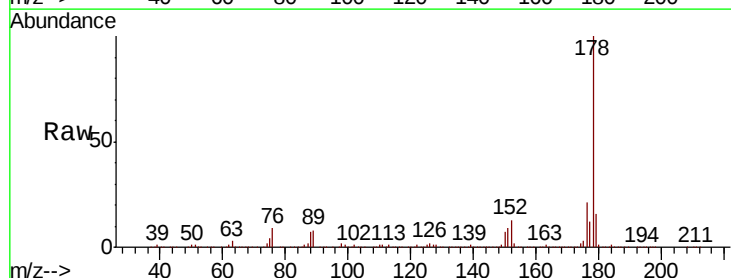
Manual Integrations
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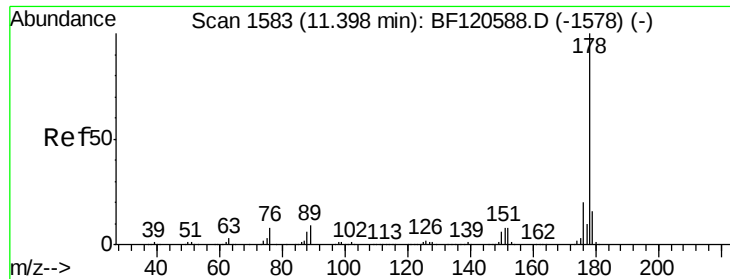
Sohil
6/23/2020 2:03:45 PM



#71
Phenanthrene
Concen: 125.010 ng
RT: 11.36 min Scan# 1577
Delta R.T. 0.02 min
Lab File: BF120692.D
Acq: 22 Jun 2020 23:04

Tgt Ion	Ratio	Lower	Upper
178	100		
176	21.2	15.9	23.9
179	16.3	12.8	19.2





#72

Anthracene

Concen: 29.593 ng

RT: 11.40 min Scan# 1584

Delta R.T. 0.01 min

Lab File: BF120692.D

Acq: 22 Jun 2020 23:04

Instrument :

BNA_F

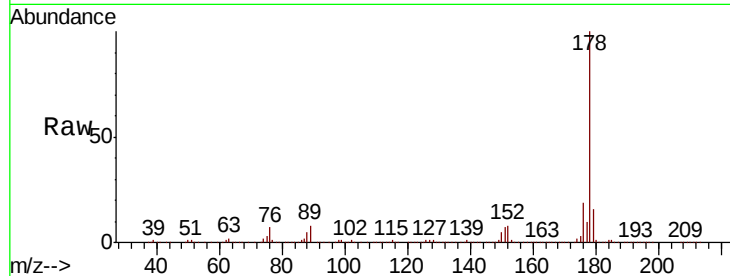
ClientSampled :

SB-18

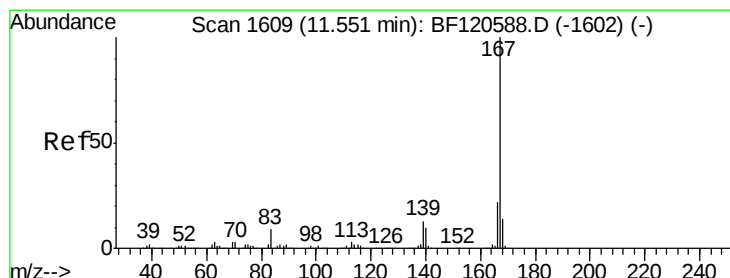
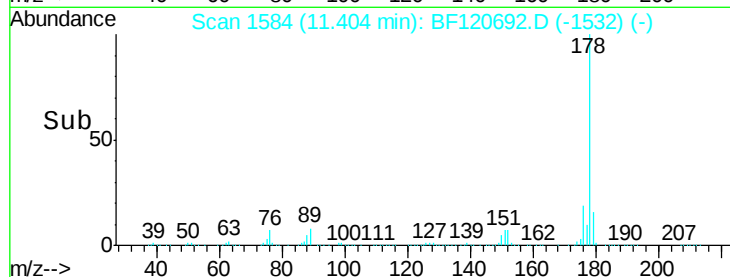
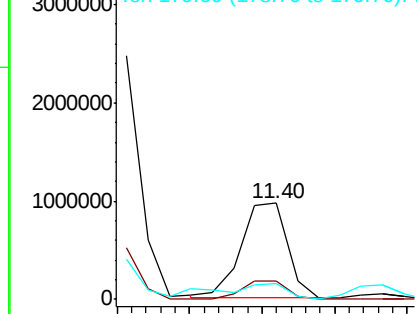
Tot Ion:	178	Resp:	855172
Ion Ratio	Lower	Upper	
178	100		
176	19.5	15.6	23.4
179	16.0	12.9	19.3

Manual Integrations
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Sohil
6/23/2020 2:03:45 PM



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



#73

Carbazole

Concen: 18.440 ng

RT: 11.55 min Scan# 1609

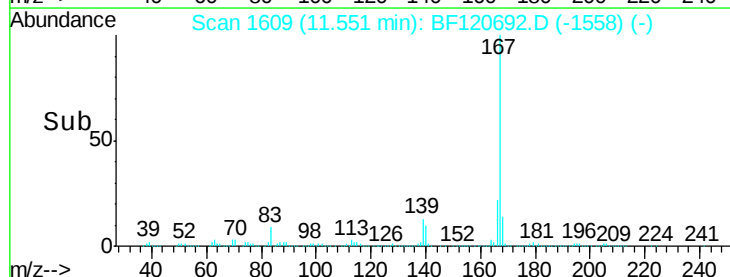
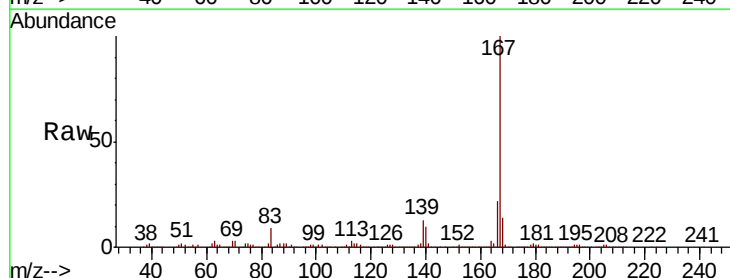
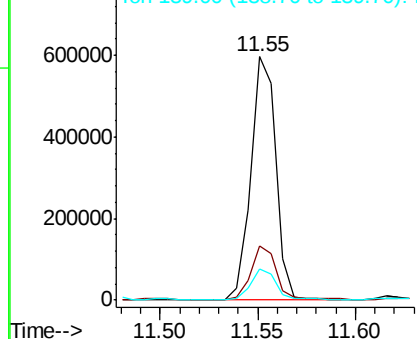
Delta R.T. 0.00 min

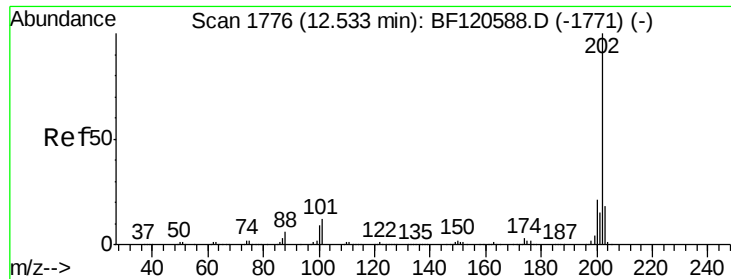
Lab File: BF120692.D

Acq: 22 Jun 2020 23:04

Tgt Ion:	167	Resp:	527487
Ion Ratio	Lower	Upper	
167	100		
166	22.0	17.2	25.8
139	12.7	10.1	15.1

Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





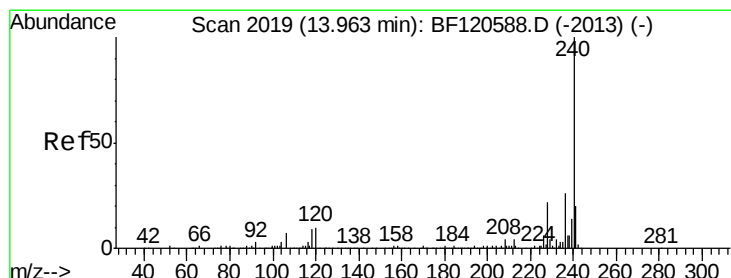
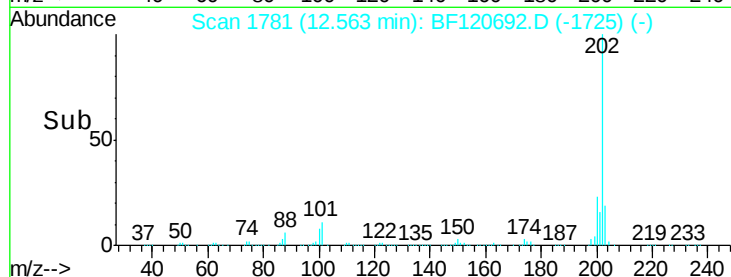
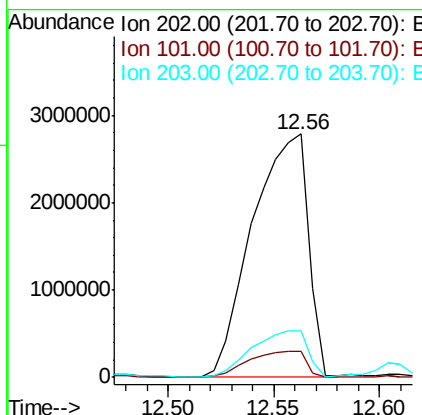
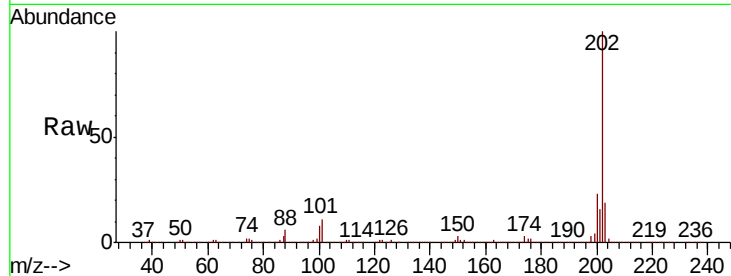
#75
 Fluoranthene
 Concen: 155.915 ng
 RT: 12.56 min Scan# 1781
 Delta R.T. 0.03 min
 Lab File: BF120692.D
 Acq: 22 Jun 2020 23:04

Instrument :
 BNA_F
 ClientSampled :
 SB-18

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	32.0
203	19.1	0.0	38.3

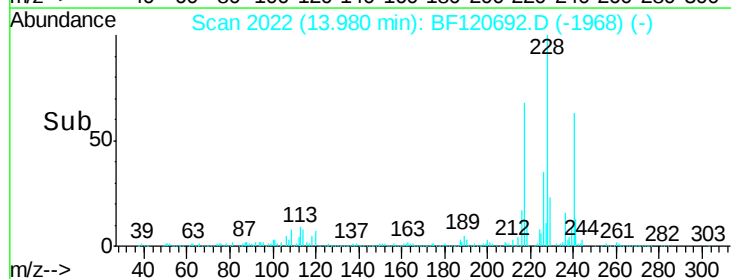
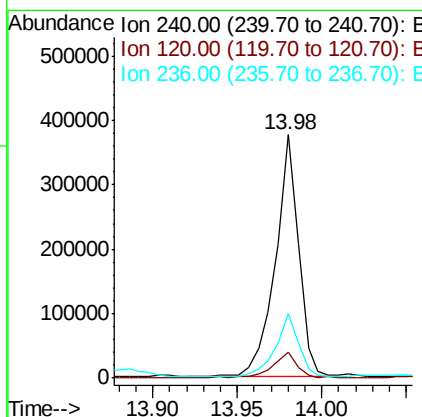
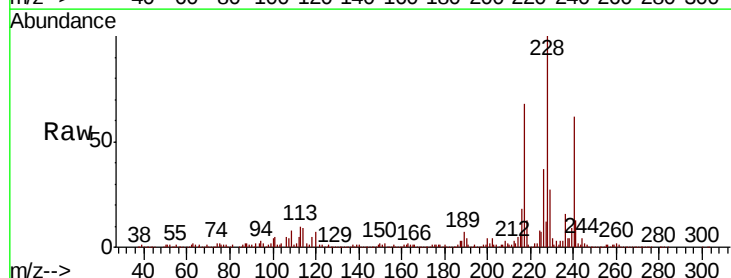
Manual Integrations
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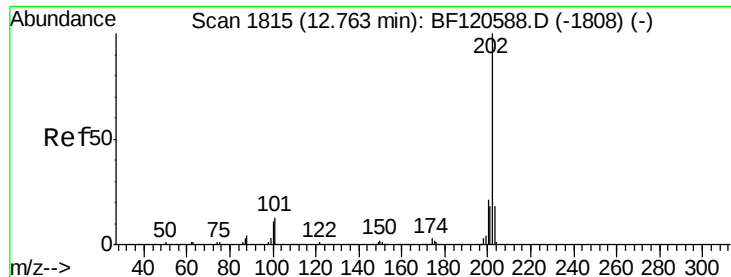
Sohil
 6/23/2020 2:03:45 PM



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. 0.02 min
 Lab File: BF120692.D
 Acq: 22 Jun 2020 23:04

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.3	12.5
236	26.5	21.0	31.4





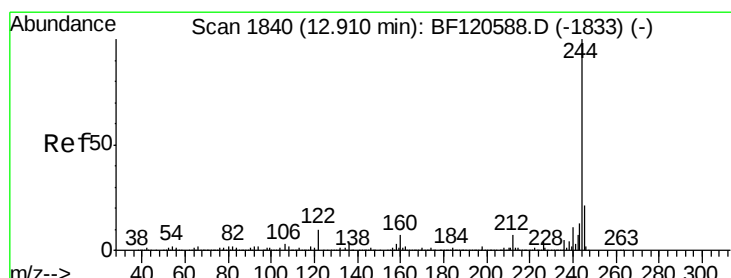
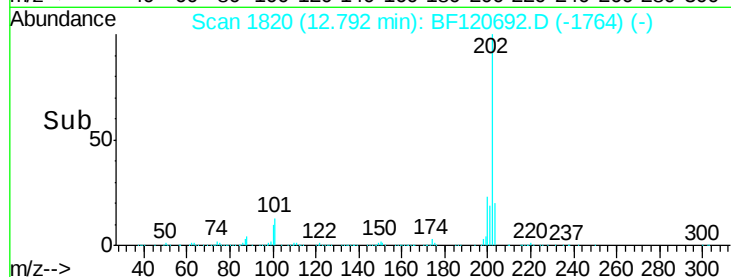
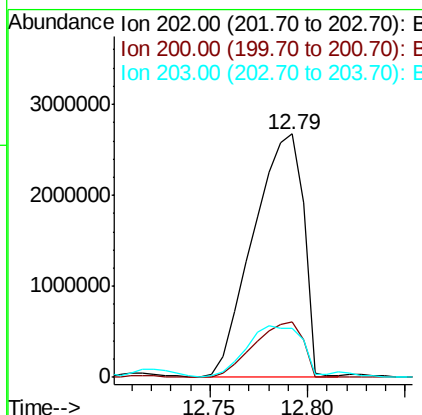
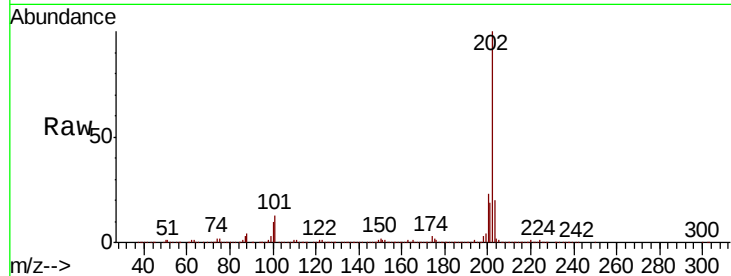
#78
Pvrene
Concen: 187.928 ng
RT: 12.79 min Scan# 1820
Delta R.T. 0.03 min
Lab File: BF120692.D
Acq: 22 Jun 2020 23:04

Instrument :
BNA_F
ClientSampleId :
SB-18

Tot Ion:202 Resp: 4742449
Ion Ratio Lower Upper
202 100
200 22.9 16.8 25.2
203 20.1 14.3 21.5

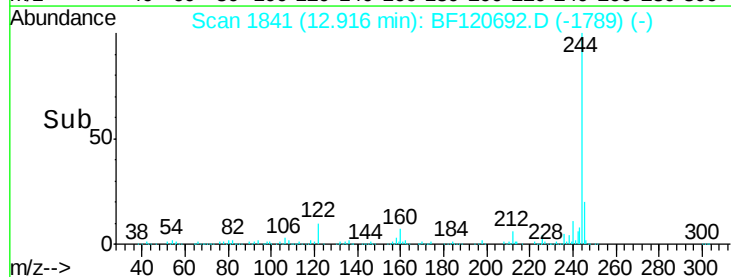
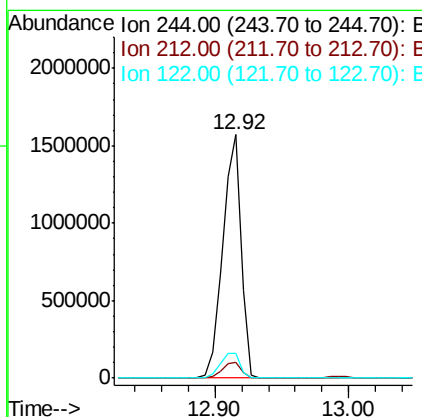
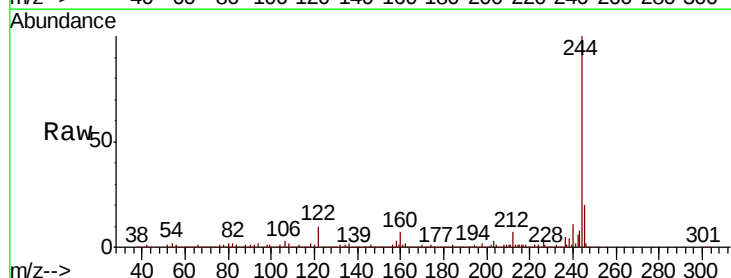
Manual Integrations
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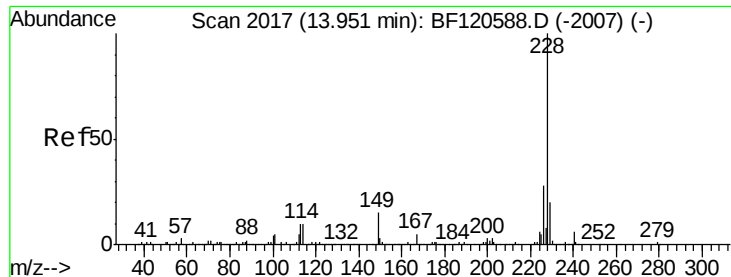
Sohil
6/23/2020 2:03:45 PM



#79
Terphenyl-d14
Concen: 94.791 ng
RT: 12.92 min Scan# 1841
Delta R.T. 0.01 min
Lab File: BF120692.D
Acq: 22 Jun 2020 23:04

Tgt Ion:244 Resp: 1528686
Ion Ratio Lower Upper
244 100
212 6.7 5.7 8.5
122 10.3 8.3 12.5





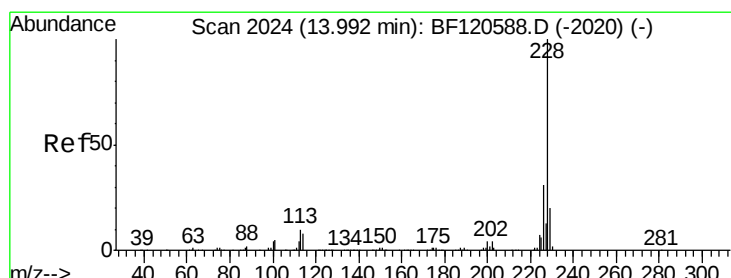
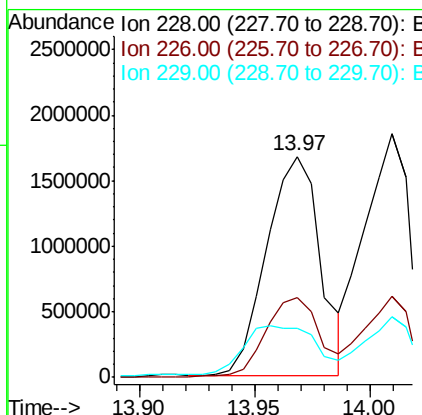
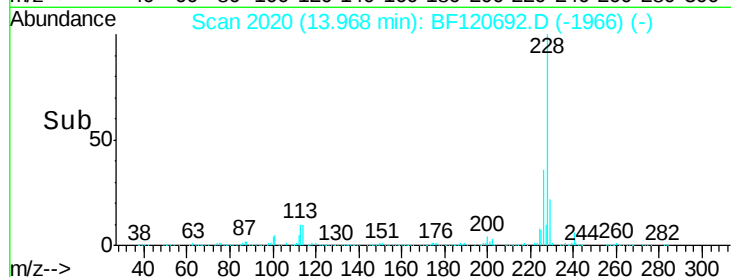
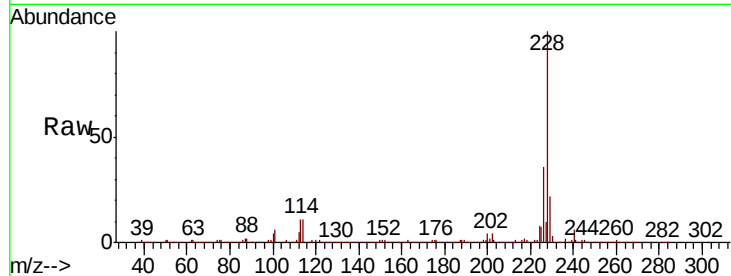
#81
Benzo(a)anthracene
Concen: 126.170 ng
RT: 13.97 min Scan# 2020
Delta R.T. 0.02 min
Lab File: BF120692.D
Acq: 22 Jun 2020 23:04

Instrument :
BNA_F
ClientSampled :
SB-18

Tot Ion	Ratio	Lower	Upper
228	100		
226	35.8	22.5	33.7#
229	22.2	16.1	24.1

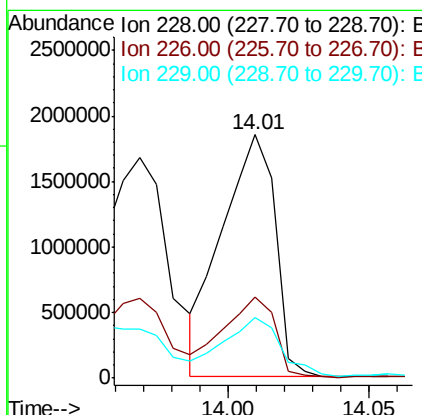
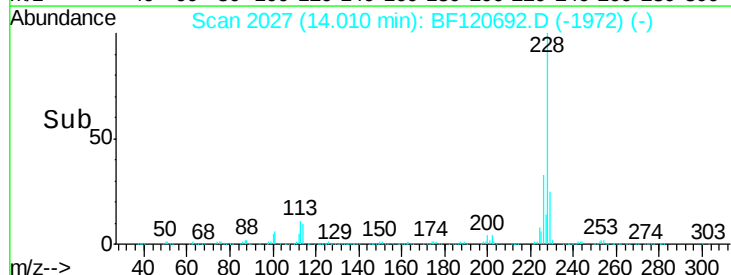
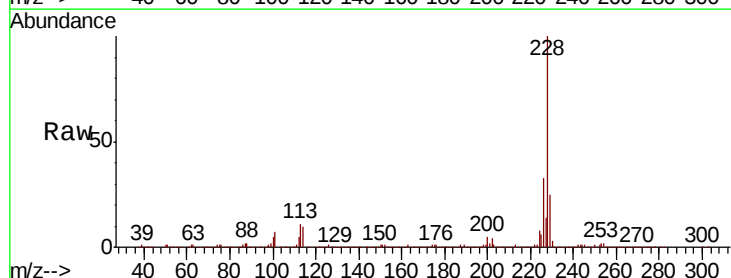
Manual Integrations
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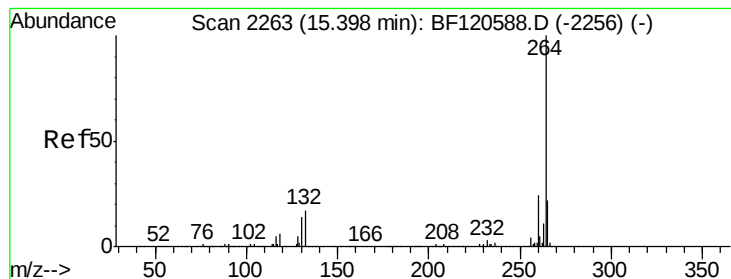
Sohil
6/23/2020 2:03:45 PM



#83
Chrysene
Concen: 112.247 ng m
RT: 14.01 min Scan# 2027
Delta R.T. 0.02 min
Lab File: BF120692.D
Acq: 22 Jun 2020 23:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.2	24.9	37.3
229	24.9	16.1	24.1#





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.43 min Scan# 2268

Delta R.T. 0.03 min

Lab File: BF120692.D

Acq: 22 Jun 2020 23:04

Instrument :

BNA_F

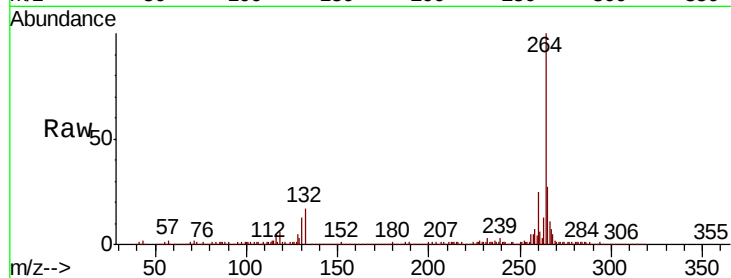
ClientSampled :

SB-18

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.3	28.9
265	26.8	17.8	26.8

Manual Integrations
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Sohil
6/23/2020 2:03:45 PM

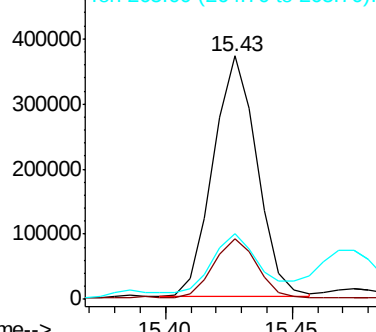


Abundance

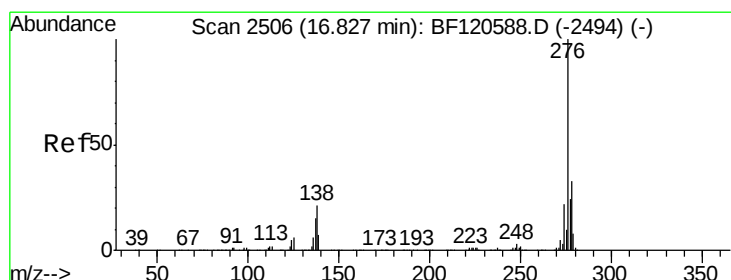
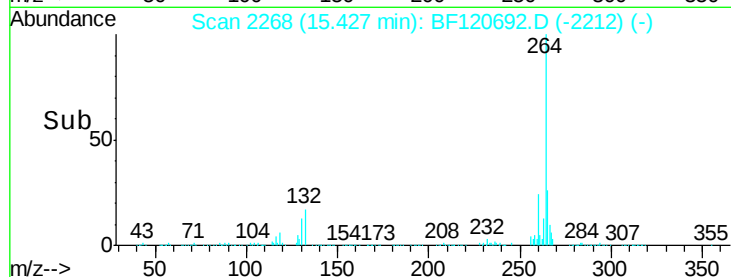
Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



Time-->



#87

Indeno(1,2,3-cd)pyrene

Concen: 75.595 ng

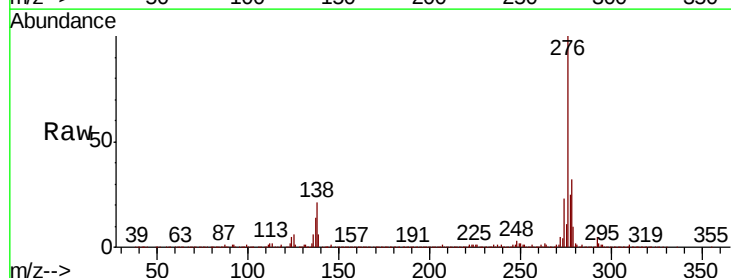
RT: 16.89 min Scan# 2516

Delta R.T. 0.06 min

Lab File: BF120692.D

Acq: 22 Jun 2020 23:04

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.4	18.9	28.3
277	26.2	20.2	30.2

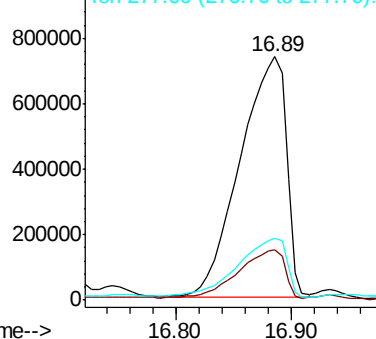


Abundance

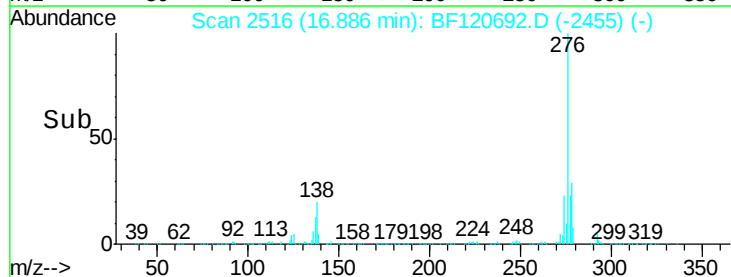
Ion 276.00 (275.70 to 276.70): E

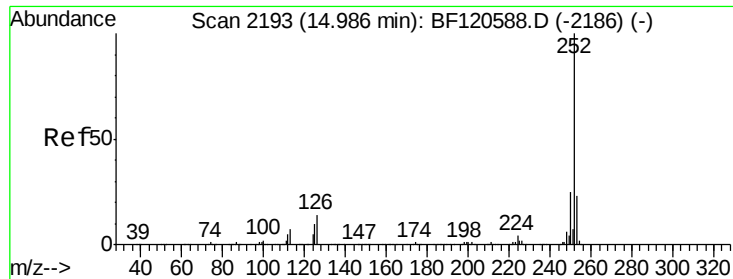
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



Time-->





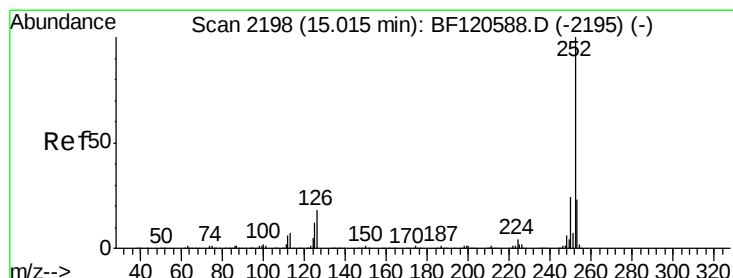
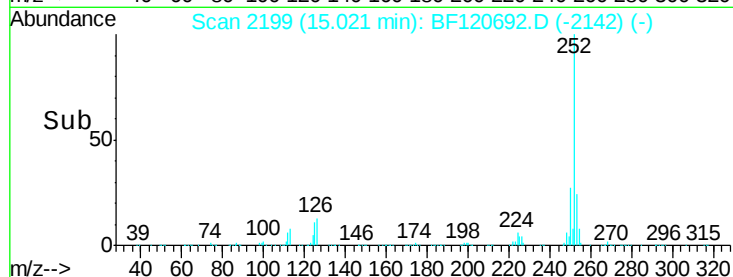
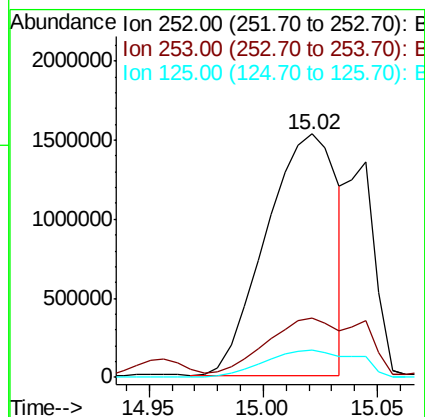
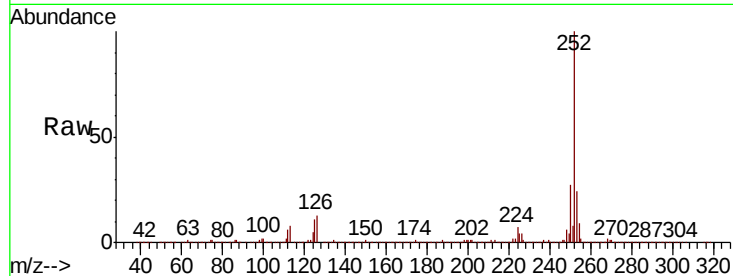
#88
Benzo(b)fluoranthene
Concen: 123.207 ng m
RT: 15.02 min Scan# 2199
Delta R.T. 0.04 min
Lab File: BF120692.D
Acq: 22 Jun 2020 23:04

Instrument :
BNA_F
ClientSampleId :
SB-18

Tot Ion:252 Resp: 3289572
Ion Ratio Lower Upper
252 100
253 24.1 18.1 27.1
125 11.0 8.3 12.5

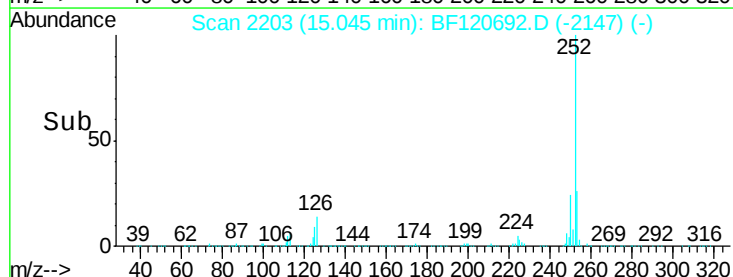
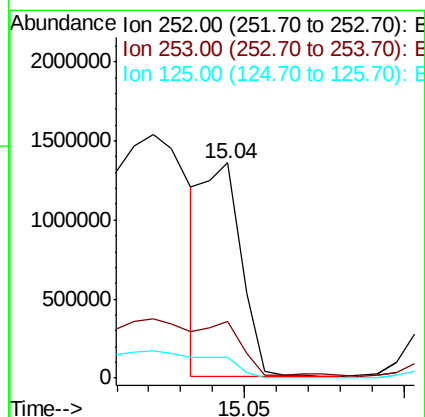
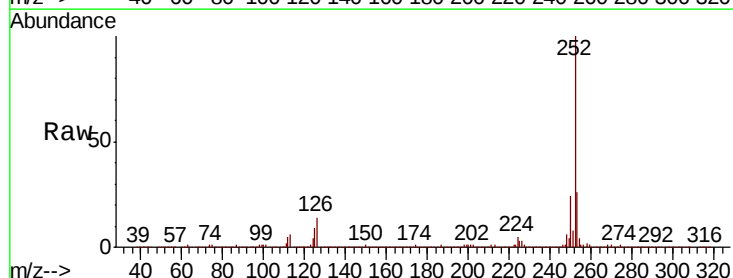
Manual Integrations
APPROVED

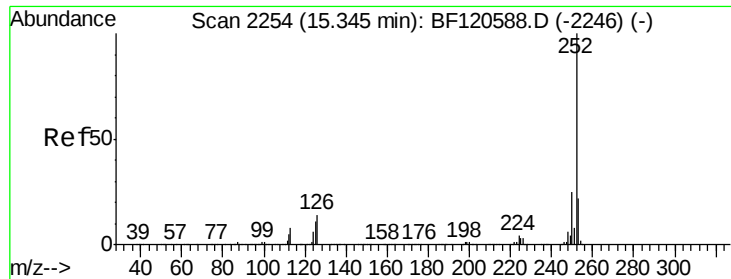
Sohil
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#89
Benzo(k)fluoranthene
Concen: 47.031 ng m
RT: 15.04 min Scan# 2203
Delta R.T. 0.03 min
Lab File: BF120692.D
Acq: 22 Jun 2020 23:04

Tgt Ion:252 Resp: 1111135
Ion Ratio Lower Upper
252 100
253 26.3 18.0 27.0
125 9.5 8.3 12.5





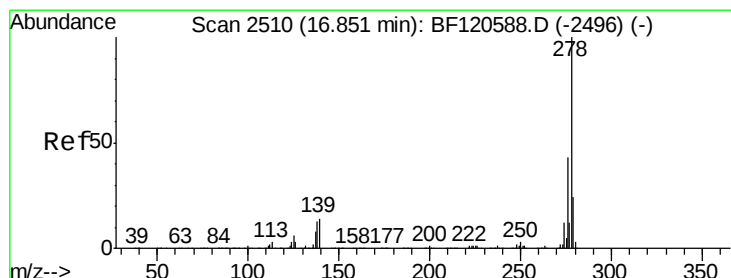
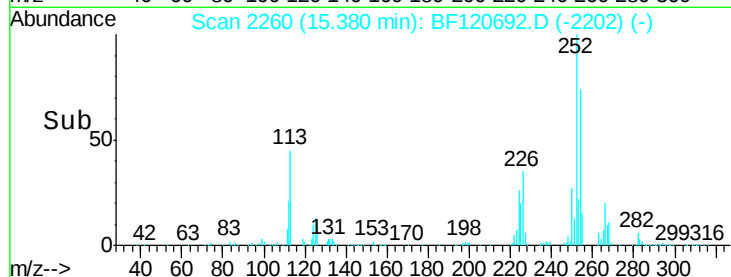
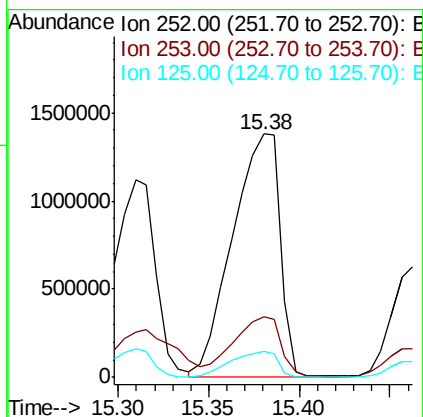
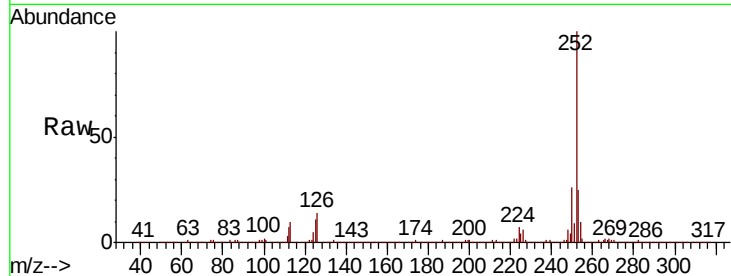
#90
Benzo(a)pyrene
Concen: 104.714 ng
RT: 15.38 min Scan# 2260
Delta R.T. 0.04 min
Lab File: BF120692.D
Acq: 22 Jun 2020 23:04

Instrument :
BNA_F
ClientSampled :
SB-18

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.8	26.8
125	10.8	8.6	12.8

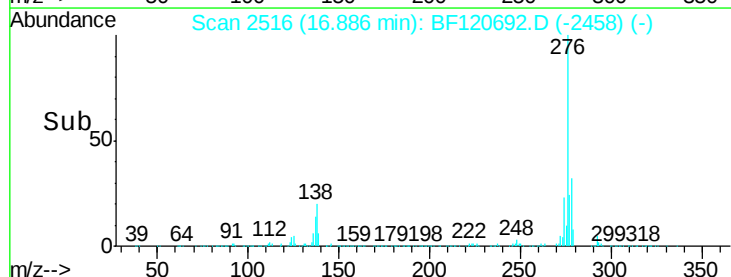
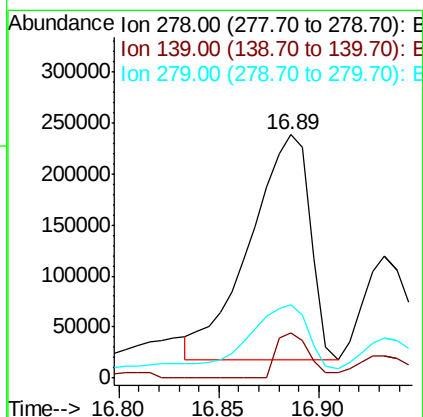
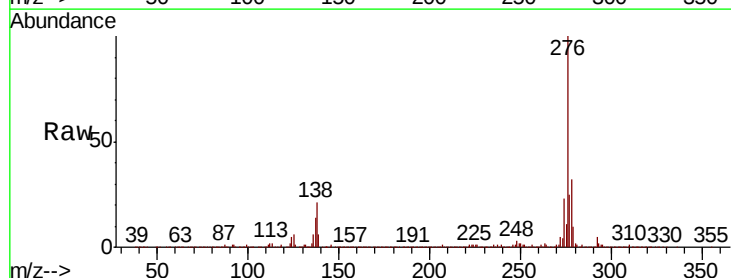
Manual Integrations
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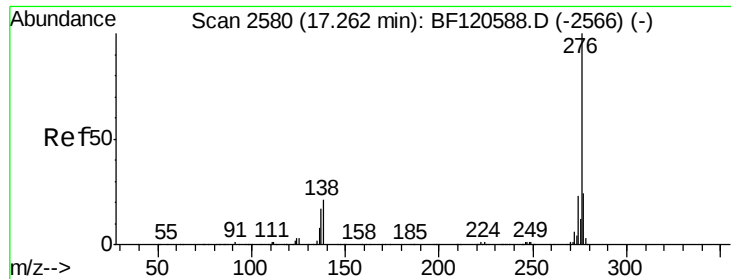
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#91
Dibenzo(a,h)anthracene
Concen: 21.307 ng m
RT: 16.89 min Scan# 2516
Delta R.T. 0.04 min
Lab File: BF120692.D
Acq: 22 Jun 2020 23:04

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.7	11.4	17.2#
279	30.0	19.1	28.7#





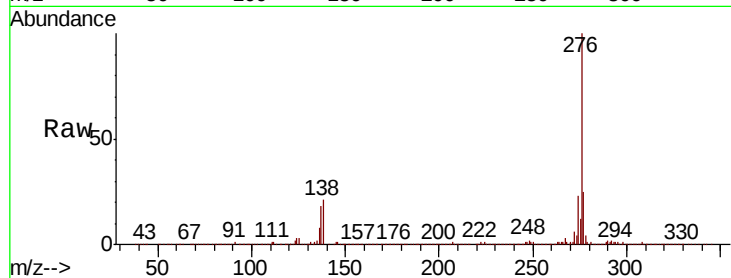
#92
 Benzo(a,h,i)perylene
 Concen: 90.672 ng
 RT: 17.32 min Scan# 2590
 Delta R.T. 0.06 min
 Lab File: BF120692.D
 Acq: 22 Jun 2020 23:04

Instrument :
 BNA_F
 ClientSampleId :
 SB-18

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.6	29.4
138	20.8	16.5	24.7

Manual Integrations
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

