

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061920\
 Data File : BF120662.D
 Acq On : 19 Jun 2020 14:30
 Operator : JU/CG
 Sample : L3055-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CENTER

Quant Time: Jun 19 15:34:53 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

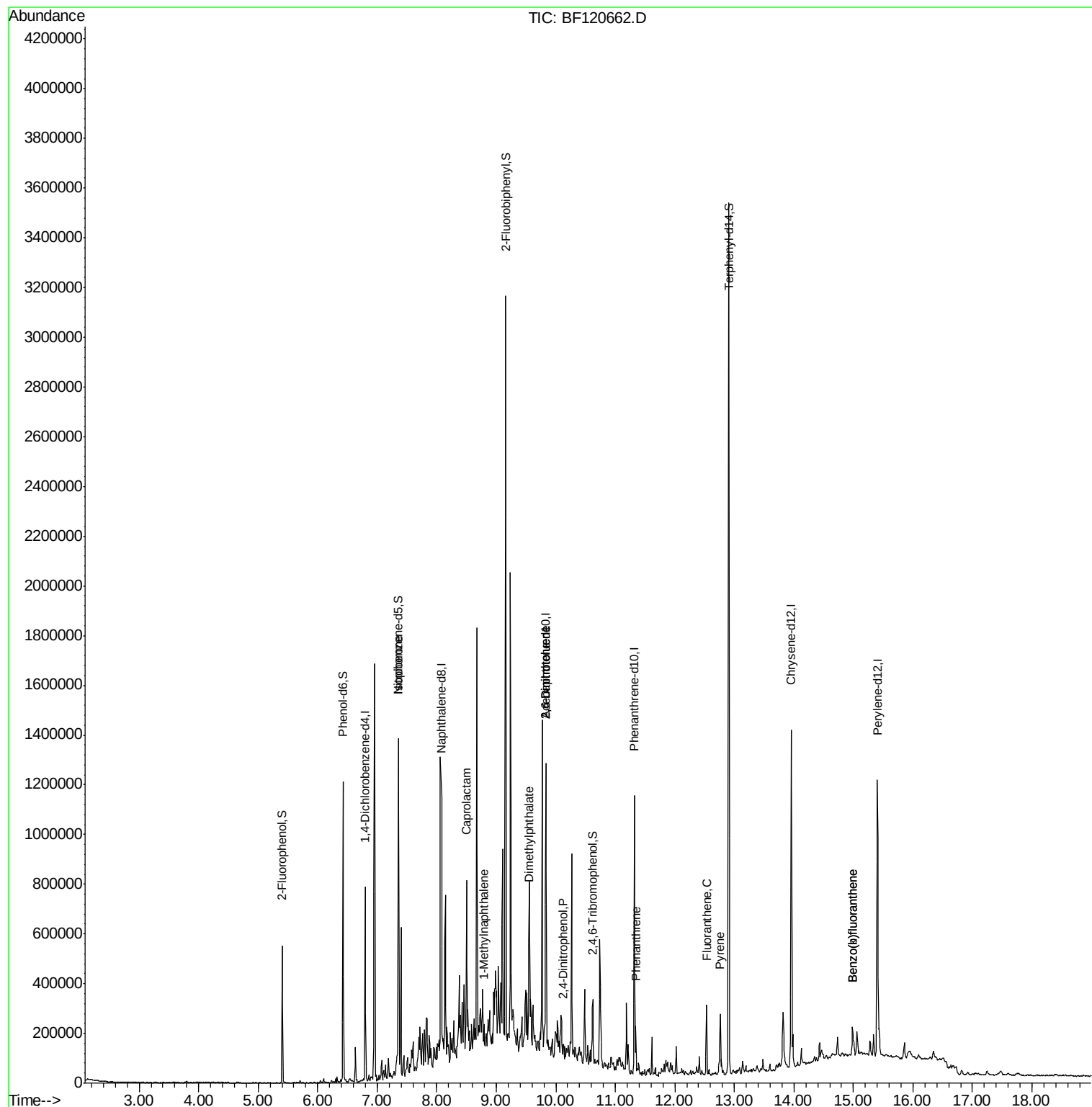
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	110287	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	403283	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	213759	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	422866	20.00	ng	0.00
76) Chrysene-d12	13.96	240	465599	20.00	ng	0.00
86) Perylene-d12	15.40	264	492703	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	141121	21.94	ng	-0.01
7) Phenol-d6	6.43	99	368086	45.94	ng	-0.01
23) Nitrobenzene-d5	7.36	82	425520	58.98	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	32059	12.90	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	874155	62.57	ng	0.00
79) Terphenyl-d14	12.91	244	1322888	62.76	ng	0.00
Target Compounds						
25) Isophorone	7.36	82	422770	30.082	ng	# 62
35) Caprolactam	8.50	113	14529	7.599	ng	# 33
38) 1-Methylnaphthalene	8.79	142	25786	2.120	ng	100
50) Dimethylphthalate	9.55	163	77173	5.013	ng	# 98
51) 2,6-Dinitrotoluene	9.83	165	30577	8.764	ng	# 28
54) 2,4-Dinitrophenol	10.13	184	411	3.256	ng	# 42
57) 2,4-Dinitrotoluene	9.83	165	30357	6.557	ng	# 30
71) Phenanthrene	11.34	178	71842	3.418	ng	97
75) Fluoranthene	12.53	202	114789	4.776	ng	97
78) Pyrene	12.76	202	103534	3.139	ng	98
88) Benzo(b)fluoranthene	14.99	252	77606	2.644	ng	# 97
89) Benzo(k)fluoranthene	14.99	252	77606	2.988	ng	# 97

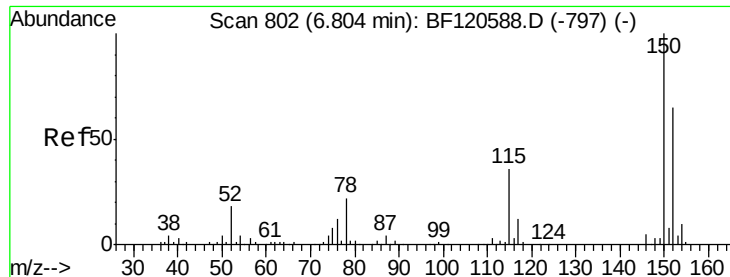
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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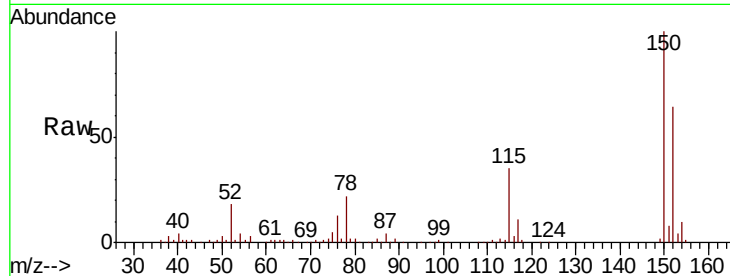


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF120662.D
Acq: 19 Jun 2020 14:30

Instrument :
BNA_F
ClientSampleId :
CENTER

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	123.2	184.8
115	55.3	43.9	65.9

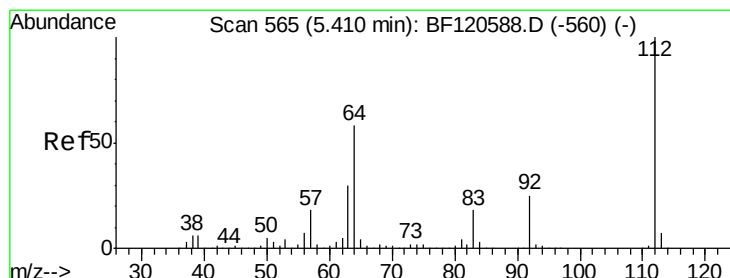
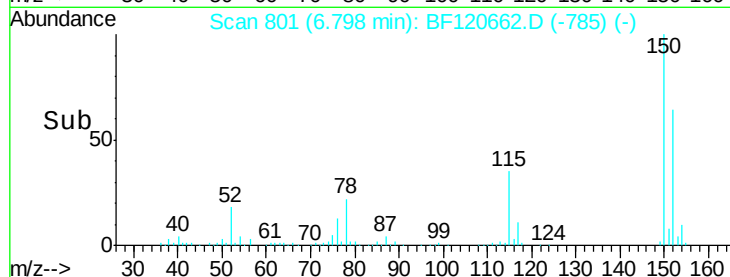
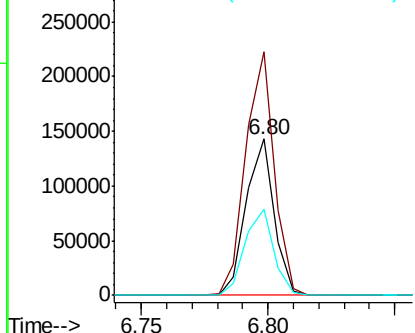


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

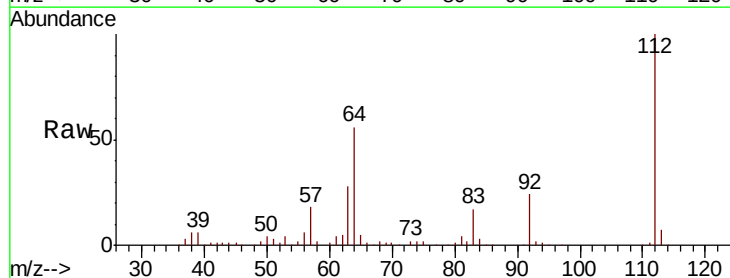
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 21.938 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.01 min
Lab File: BF120662.D
Acq: 19 Jun 2020 14:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.3	46.1	69.1
63	28.2	23.7	35.5

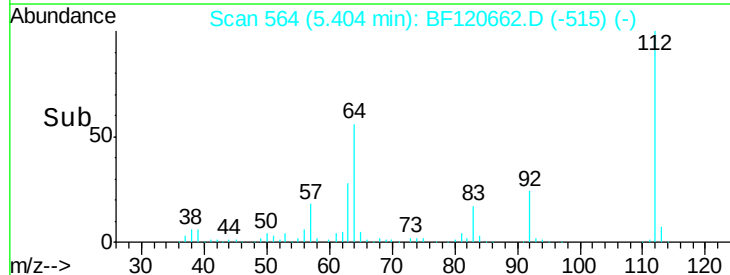
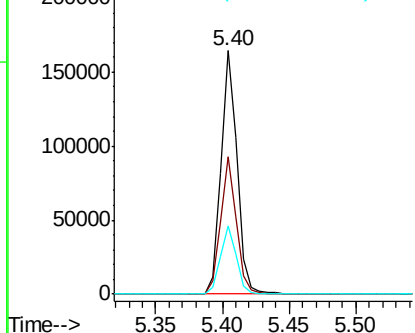


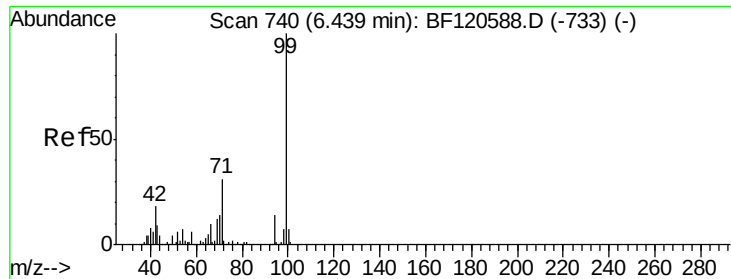
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 45.942 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF120662.D

Acq: 19 Jun 2020 14:30

Instrument :

BNA_F

ClientSampleId :

CENTER

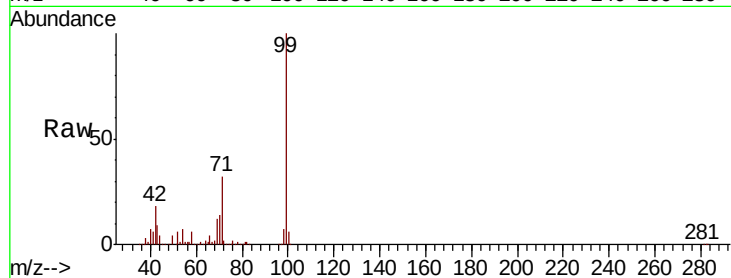
Tot Ion: 99 Resp: 368086

Ion Ratio Lower Upper

99 100

42 17.8 14.0 21.0

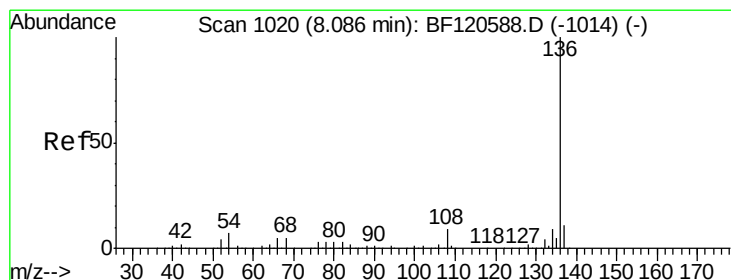
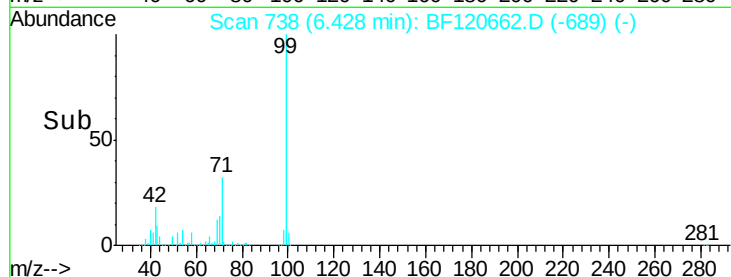
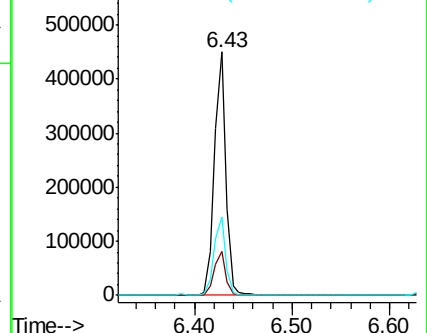
71 32.0 24.9 37.3



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: BF120662.D

Acq: 19 Jun 2020 14:30

Tgt Ion: 136 Resp: 403283

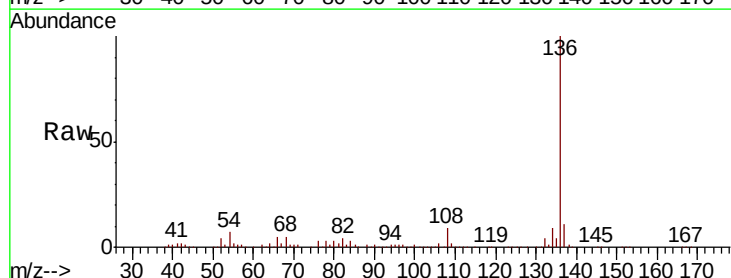
Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 7.3 5.8 8.6

68 5.2 4.4 6.6

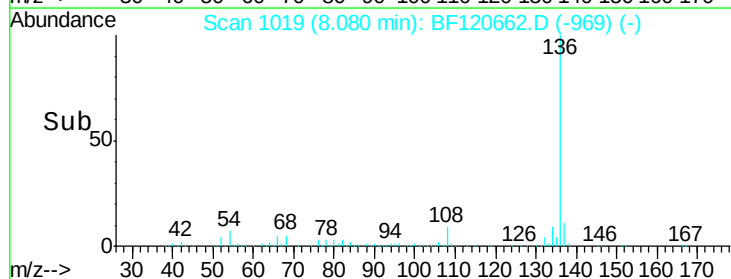
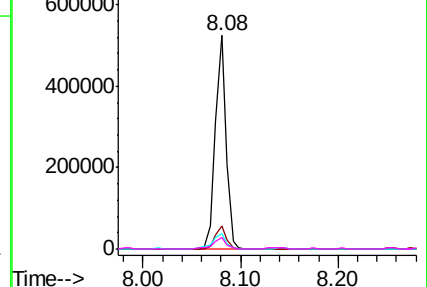


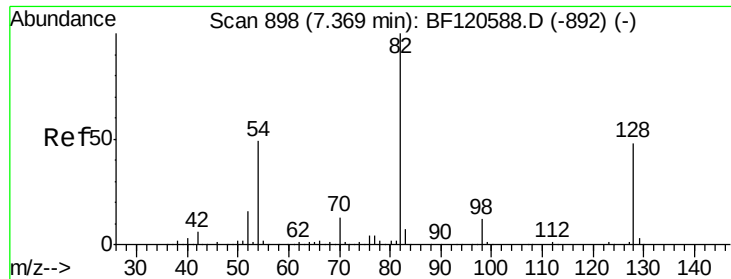
Abundance Ion 136.00 (135.70 to 136.70): E

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

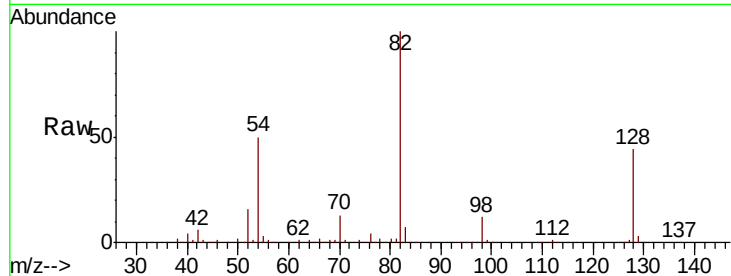




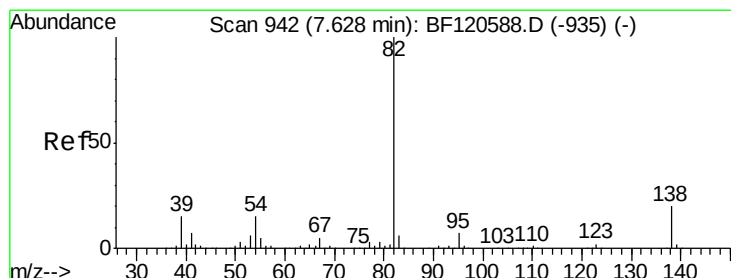
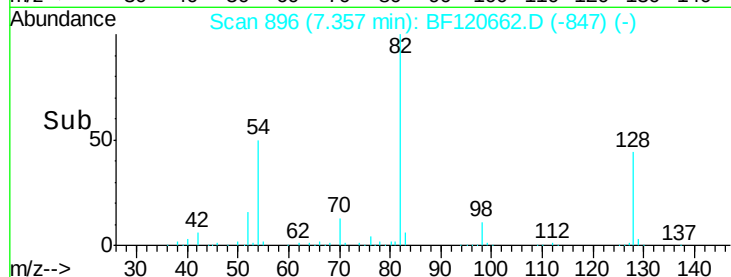
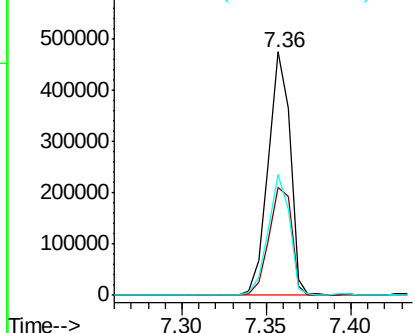
#23
 Nitrobenzene-d5
 Concen: 58.979 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.01 min
 Lab File: BF120662.D
 Acq: 19 Jun 2020 14:30

Instrument :
 BNA_F
 ClientSampleId :
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Tot Ion: 82 Resp: 425520
 Ion Ratio Lower Upper
 82 100
 128 44.3 38.0 57.0
 54 49.8 38.8 58.2

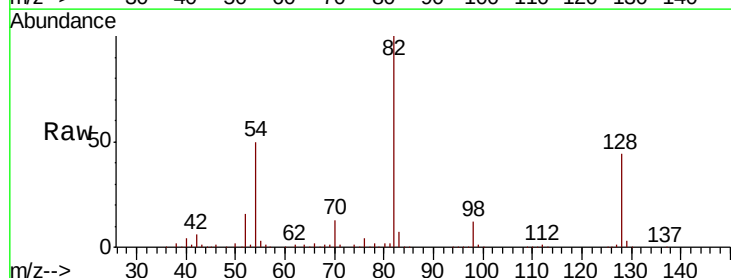


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

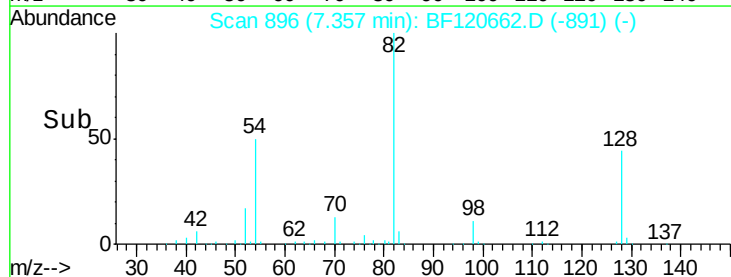
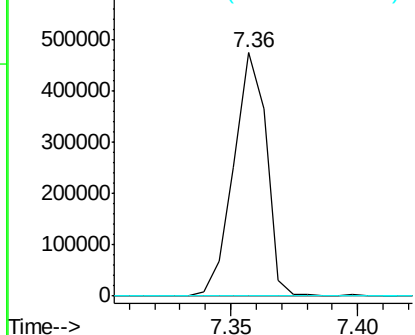


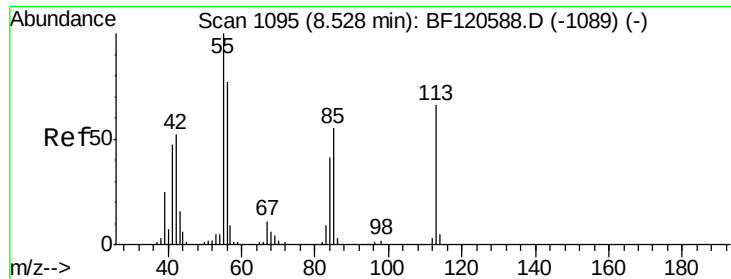
#25
 Isophorone
 Concen: 30.082 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.27 min
 Lab File: BF120662.D
 Acq: 19 Jun 2020 14:30

Tgt Ion: 82 Resp: 422770
 Ion Ratio Lower Upper
 82 100
 95 0.2 5.7 8.5#
 138 0.0 16.2 24.4#



Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 95.00 (94.70 to 95.70): BF1
 Ion 138.00 (137.70 to 138.70): BF1

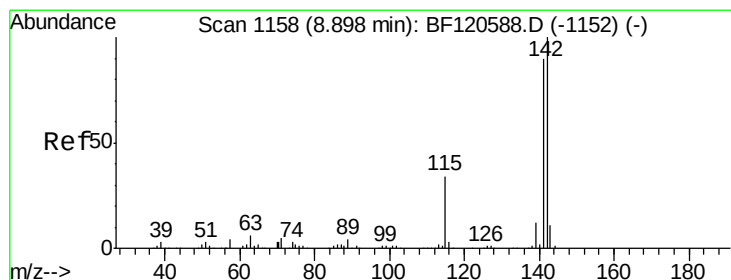
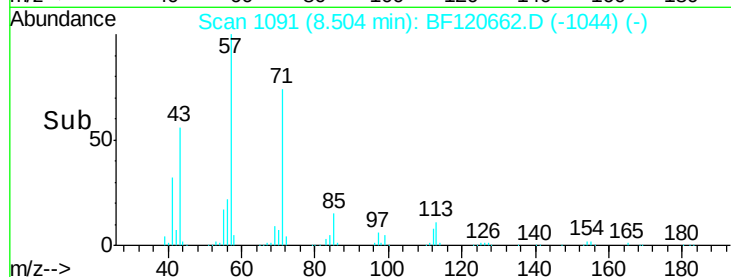
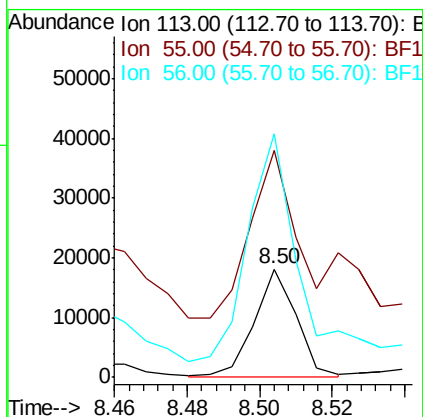
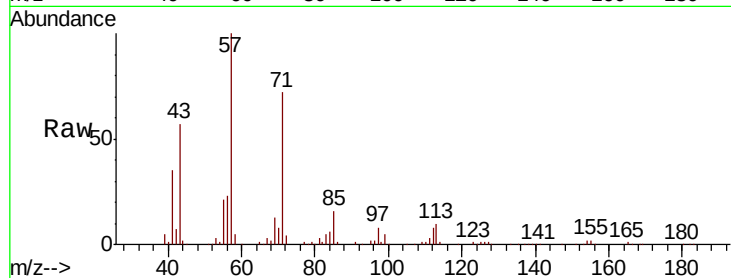




#35
 Caprolactam
 Concen: 7.599 ng
 RT: 8.50 min Scan# 1091
 Delta R.T. -0.02 min
 Lab File: BF120662.D
 Acq: 19 Jun 2020 14:30

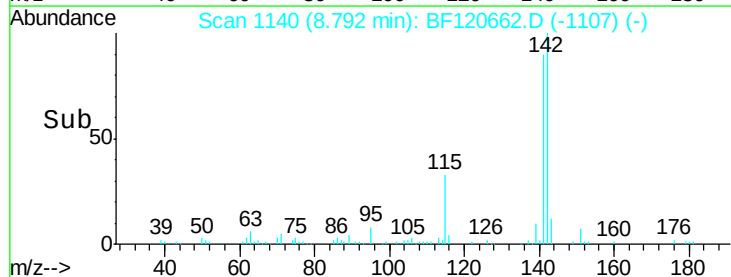
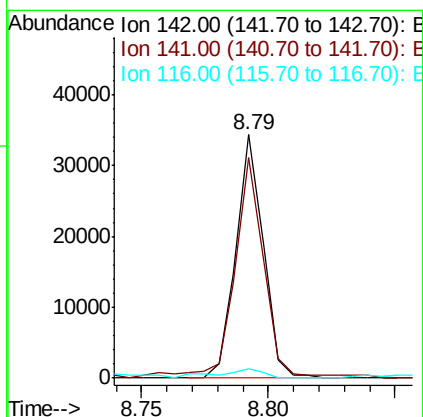
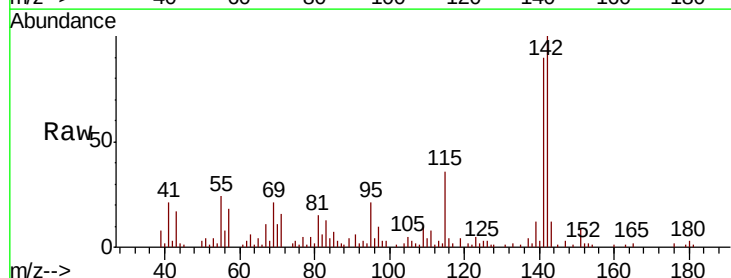
Instrument :
 BNA_F
 ClientSampleId :
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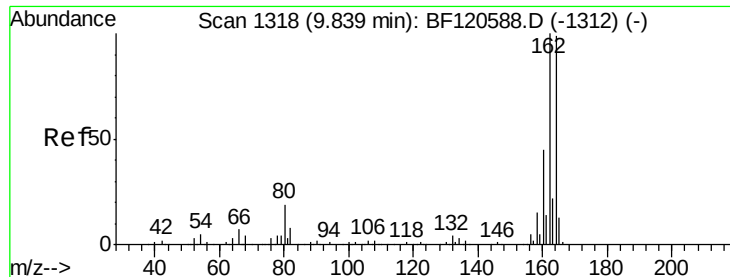
Tot Ion:113 Resp: 14529
 Ion Ratio Lower Upper
 113 100
 55 209.7 133.1 173.1#
 56 225.6 98.4 138.4#



#38
 1-Methylnaphthalene
 Concen: 2.120 ng
 RT: 8.79 min Scan# 1140
 Delta R.T. -0.11 min
 Lab File: BF120662.D
 Acq: 19 Jun 2020 14:30

Tgt Ion:142 Resp: 25786
 Ion Ratio Lower Upper
 142 100
 141 90.4 72.1 108.1
 116 3.8 2.7 4.1

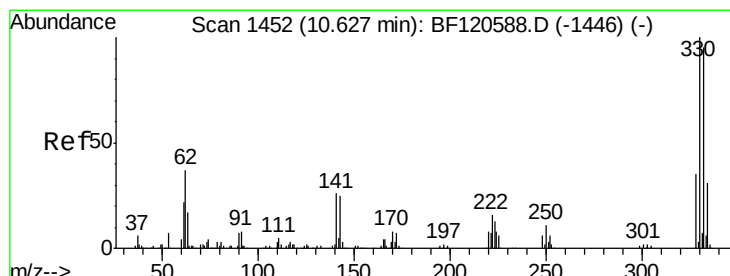
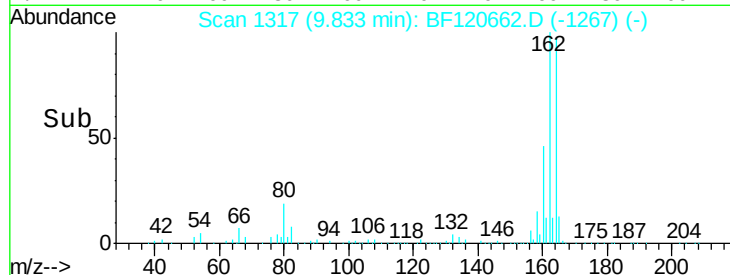
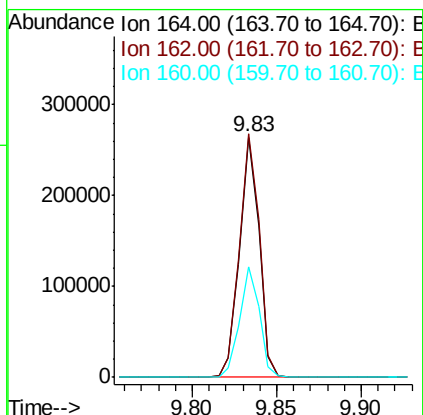
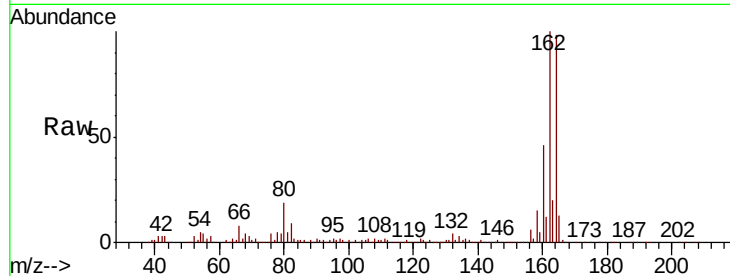




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF120662.D
Acq: 19 Jun 2020 14:30

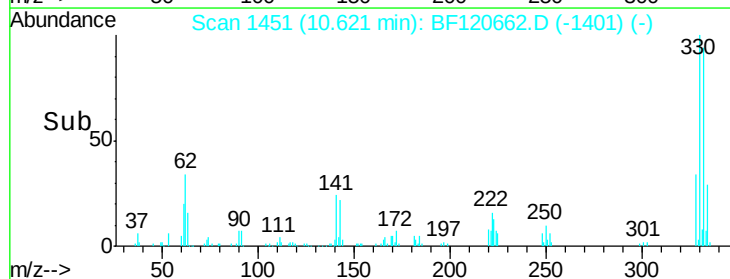
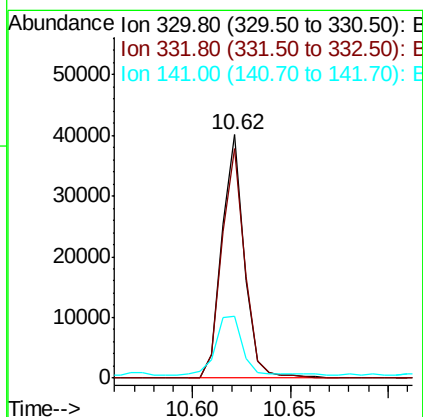
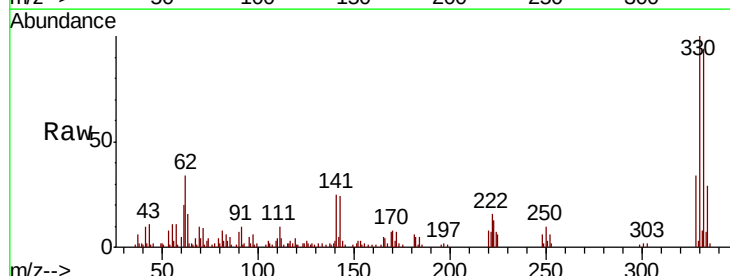
Instrument :
BNA_F
ClientSampleId :
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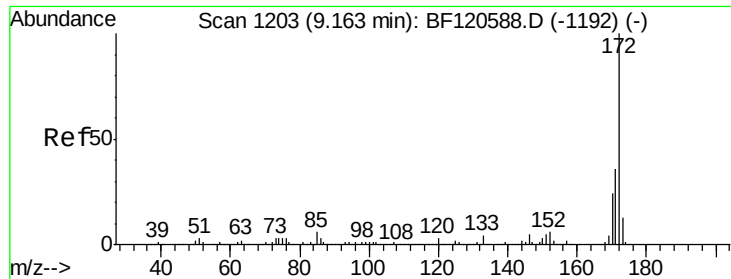
Tot Ion:164 Resp: 213759
Ion Ratio Lower Upper
164 100
162 101.5 80.6 120.8
160 46.2 36.2 54.2



#42
2,4,6-Tribromophenol
Concen: 12.900 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BF120662.D
Acq: 19 Jun 2020 14:30

Tgt Ion:330 Resp: 32059
Ion Ratio Lower Upper
330 100
332 96.5 76.8 115.2
141 29.3 23.2 34.8

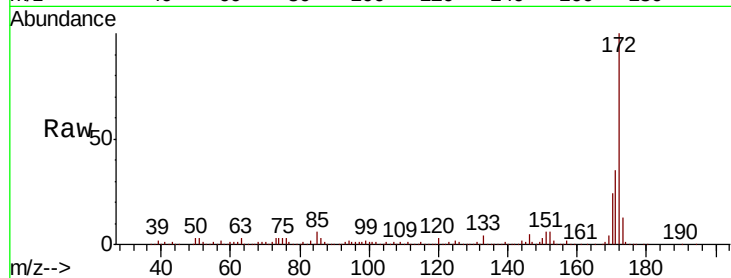




#45
2-Fluorobiphenyl
Concen: 62.568 ng
RT: 9.16 min Scan# 1202
Delta R.T. -0.01 min
Lab File: BF120662.D
Acq: 19 Jun 2020 14:30

Instrument :
BNA_F
ClientSampleId :
CENTER

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.0	43.4
170	23.9	19.4	29.2

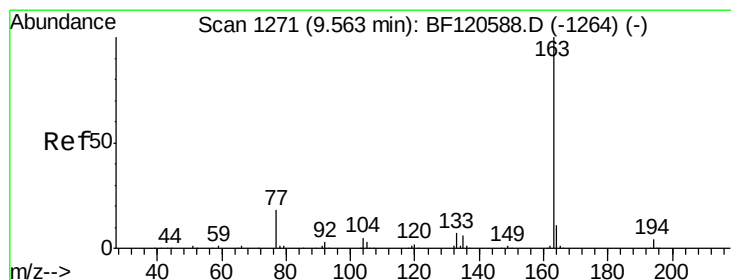
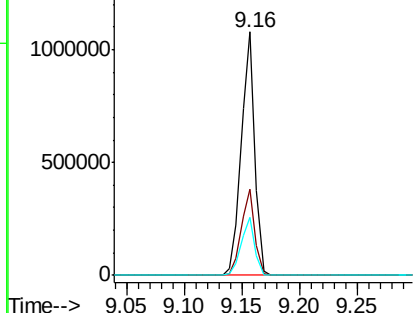
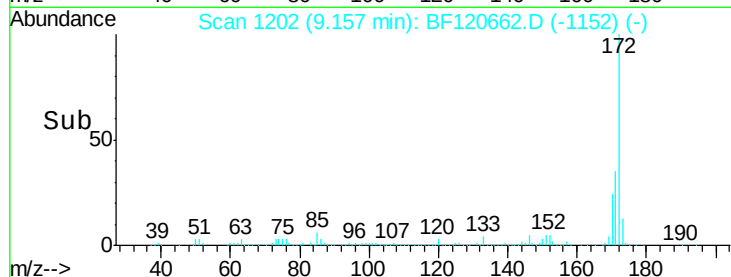


Abundance

Ion 172.00 (171.70 to 172.70): E

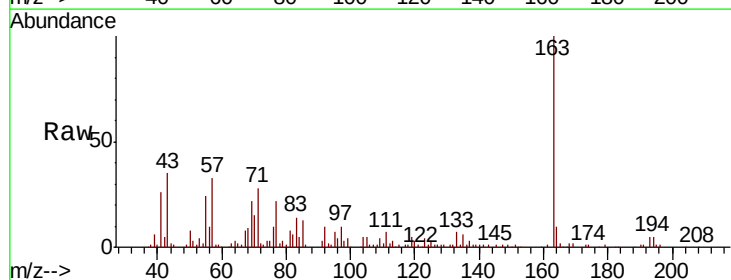
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 5.013 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.02 min
Lab File: BF120662.D
Acq: 19 Jun 2020 14:30

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.8	3.1	4.7#
164	10.0	8.5	12.7

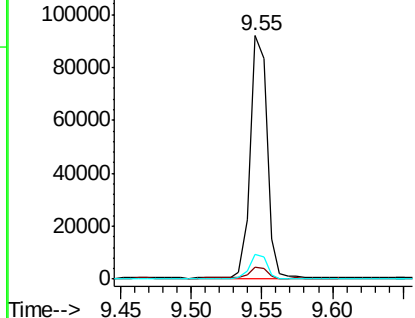
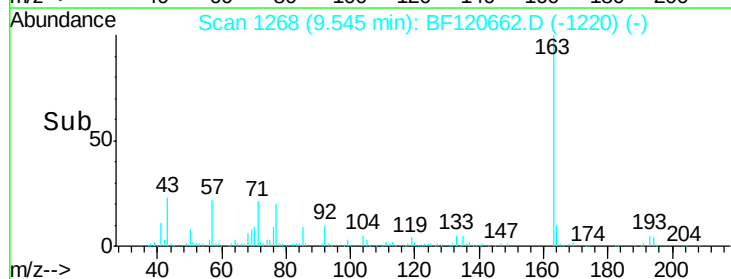


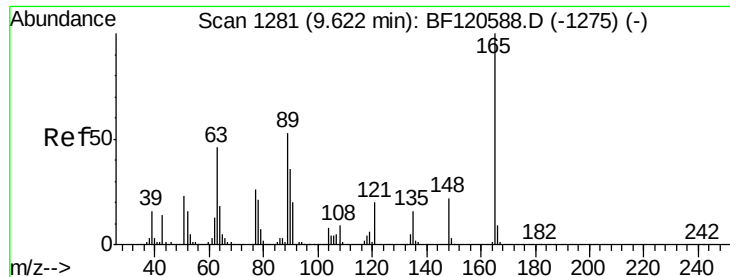
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

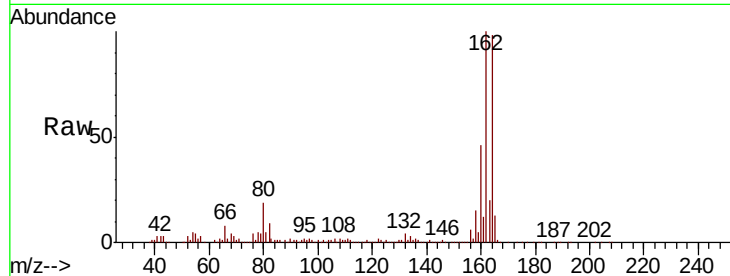




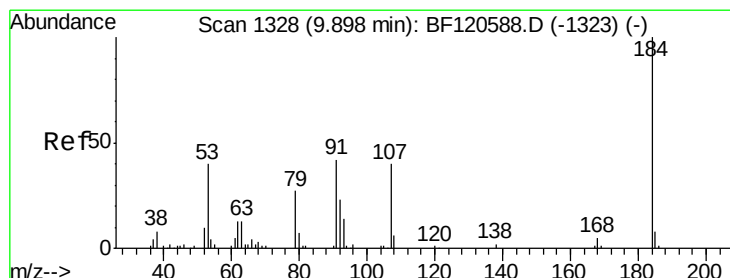
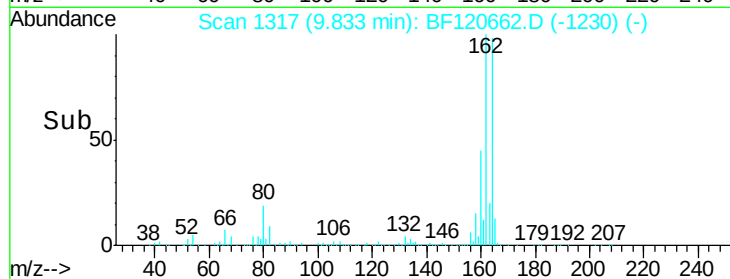
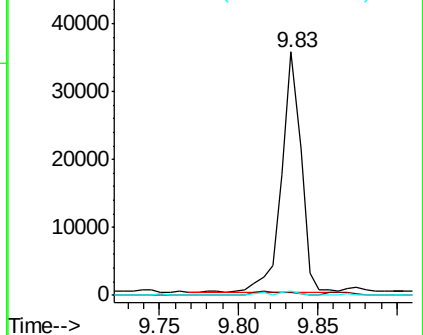
#51
2,6-Dinitrotoluene
Concen: 8.764 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.21 min
Lab File: BF120662.D
Acq: 19 Jun 2020 14:30

Instrument :
BNA_F
ClientSampleId :
CENTER

Tot Ion:165 Resp: 30577
Ion Ratio Lower Upper
165 100
63 1.3 41.7 62.5#
89 1.8 42.6 64.0#

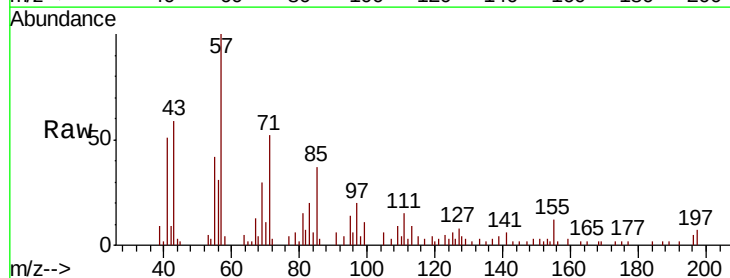


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

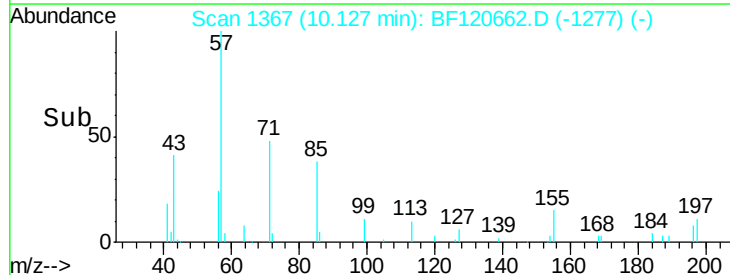
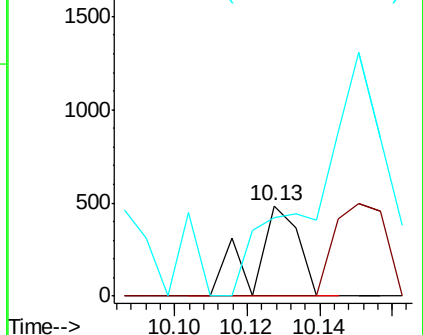


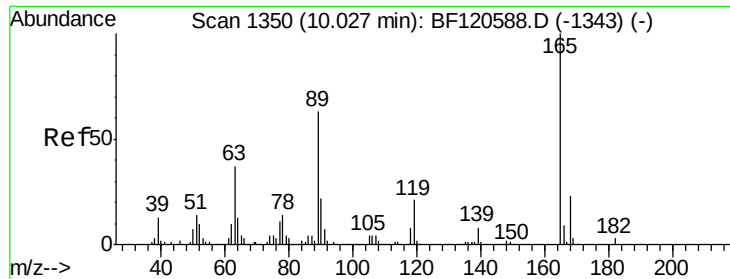
#54
2,4-Dinitrophenol
Concen: 3.256 ng
RT: 10.13 min Scan# 1367
Delta R.T. 0.23 min
Lab File: BF120662.D
Acq: 19 Jun 2020 14:30

Tgt Ion:184 Resp: 411
Ion Ratio Lower Upper
184 100
63 0.0 44.2 66.2#
154 87.8 45.9 68.9#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E





#57

2,4-Dinitrotoluene

Concen: 6.557 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.19 min

Lab File: BF120662.D

Acq: 19 Jun 2020 14:30

Instrument :

BNA_F

ClientSampleId :

CENTER

Tot Ion:165 Resp: 30357

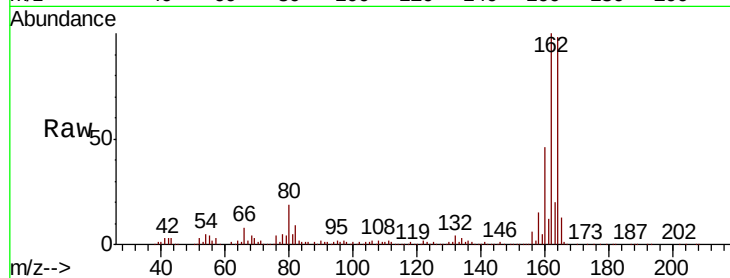
Ion Ratio Lower Upper

165 100

63 1.3 29.8 44.8#

89 1.8 50.4 75.6#

182 1.0 2.1 3.1#

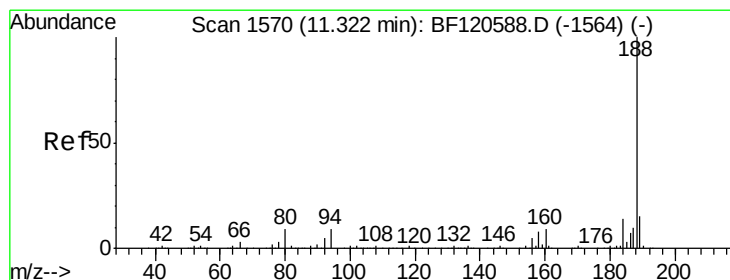
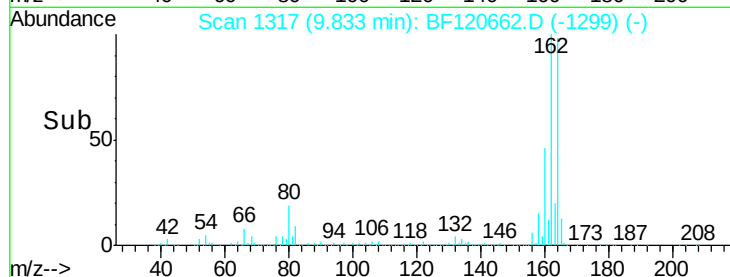
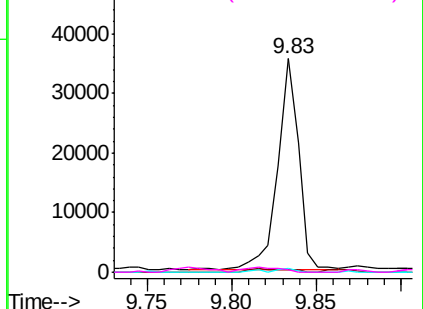


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1570

Delta R.T. 0.00 min

Lab File: BF120662.D

Acq: 19 Jun 2020 14:30

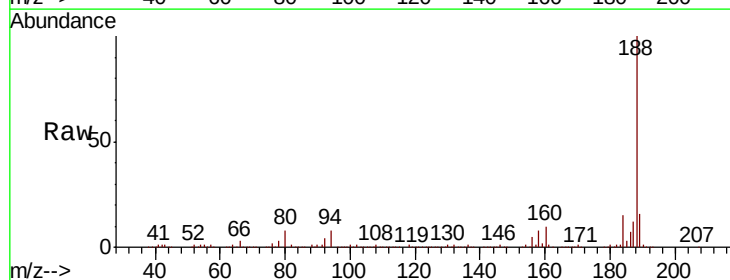
Tgt Ion:188 Resp: 422866

Ion Ratio Lower Upper

188 100

94 7.9 7.2 10.8

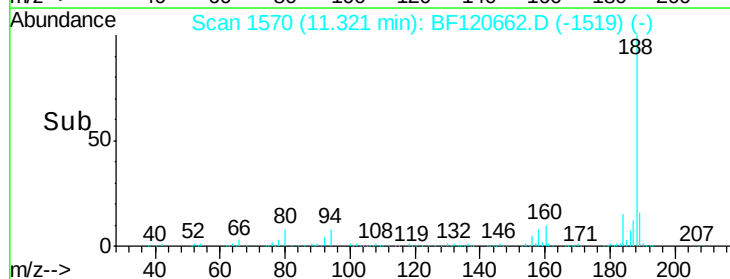
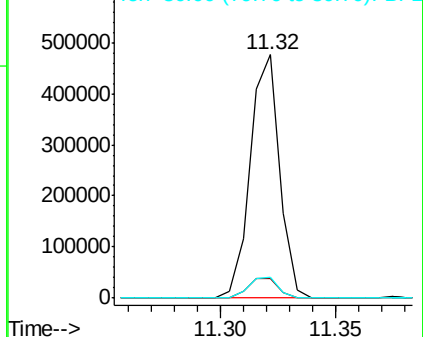
80 8.4 7.4 11.2

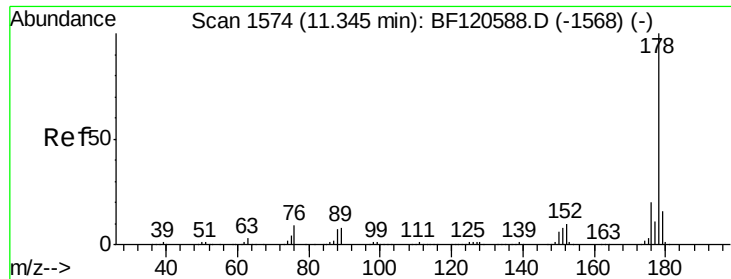


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

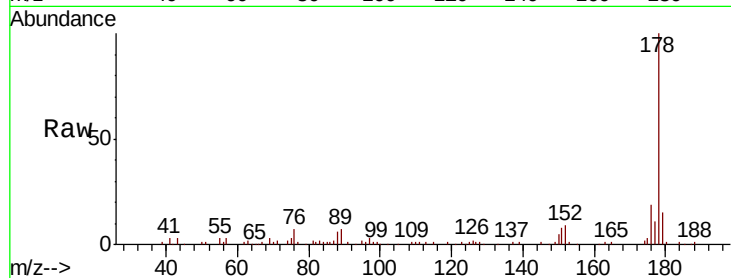




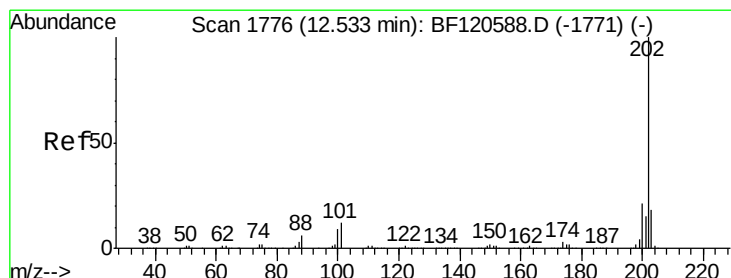
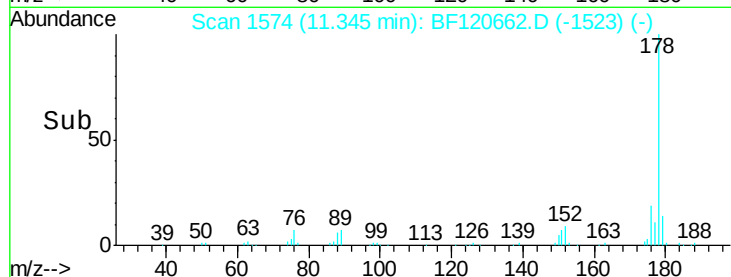
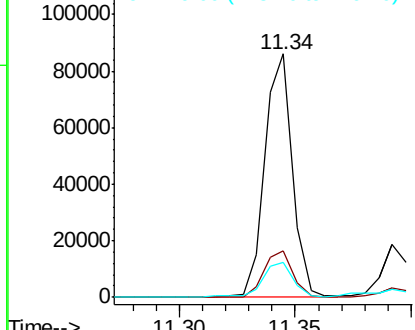
#71
Phenanthrene
Concen: 3.418 ng
RT: 11.34 min Scan# 1574
Delta R.T. 0.00 min
Lab File: BF120662.D
Acq: 19 Jun 2020 14:30

Instrument :
BNA_F
ClientSampleId :
CENTER

Tot Ion:178 Resp: 71842
Ion Ratio Lower Upper
178 100
176 19.0 15.9 23.9
179 14.6 12.8 19.2

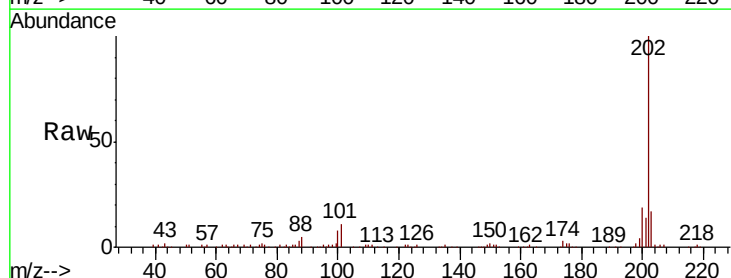


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

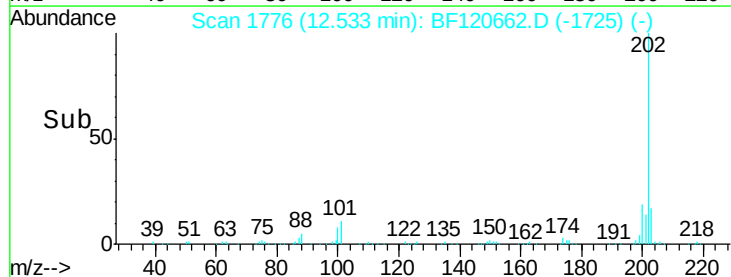
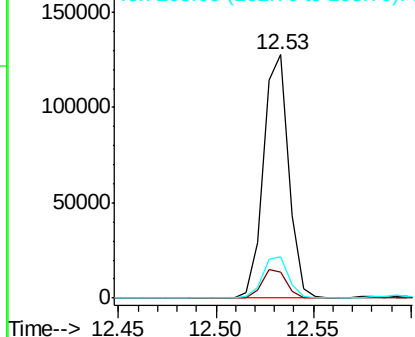


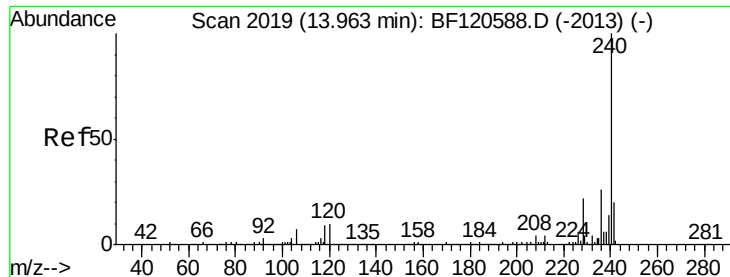
#75
Fluoranthene
Concen: 4.776 ng
RT: 12.53 min Scan# 1776
Delta R.T. 0.00 min
Lab File: BF120662.D
Acq: 19 Jun 2020 14:30

Tgt Ion:202 Resp: 114789
Ion Ratio Lower Upper
202 100
101 10.7 0.0 32.0
203 17.1 0.0 38.3



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: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF120662.D

Acq: 19 Jun 2020 14:30

Instrument :

BNA_F

ClientSampleId :

CENTER

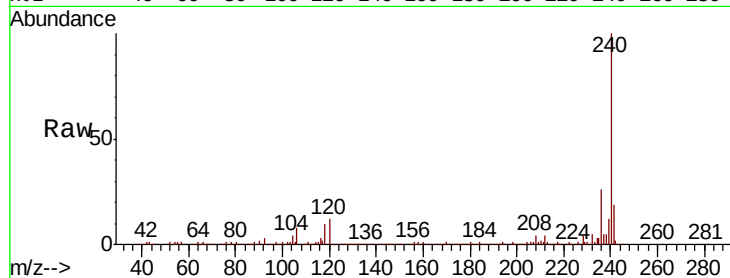
Tot Ion:240 Resp: 465599

Ion Ratio Lower Upper

240 100

120 11.7 8.3 12.5

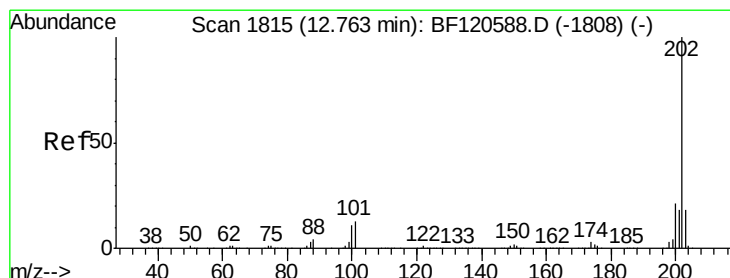
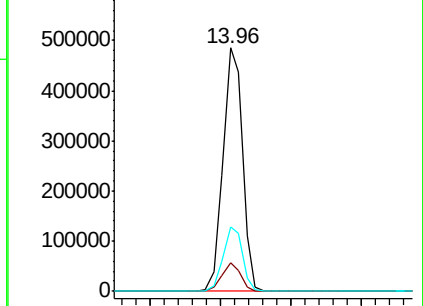
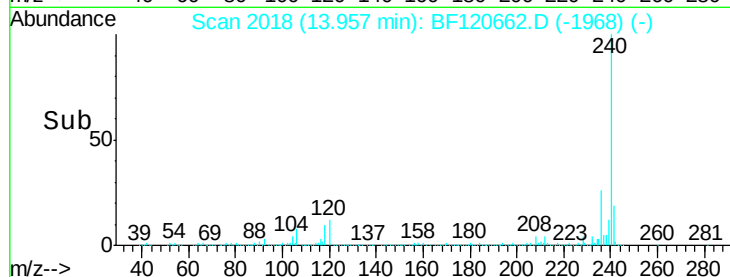
236 26.5 21.0 31.4



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: 3.139 ng

RT: 12.76 min Scan# 1815

Delta R.T. 0.00 min

Lab File: BF120662.D

Acq: 19 Jun 2020 14:30

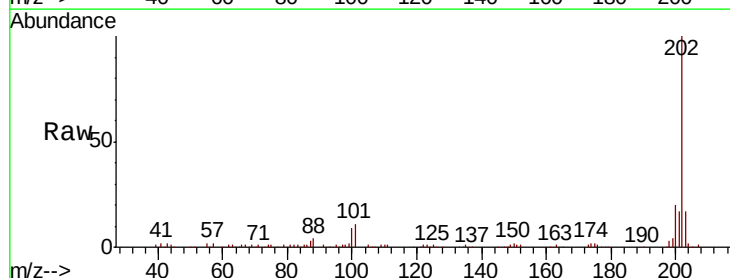
Tgt Ion:202 Resp: 103534

Ion Ratio Lower Upper

202 100

200 19.6 16.8 25.2

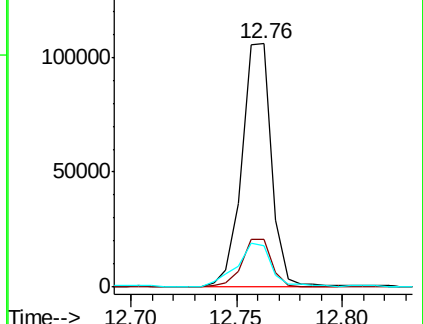
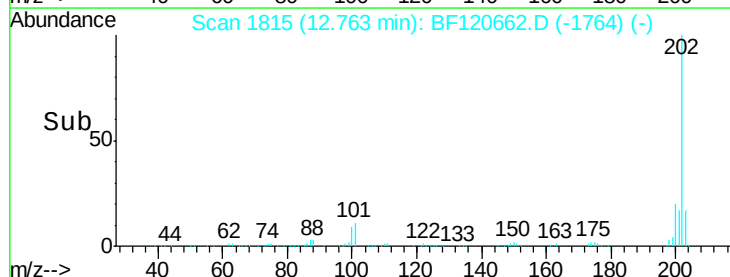
203 17.1 14.3 21.5

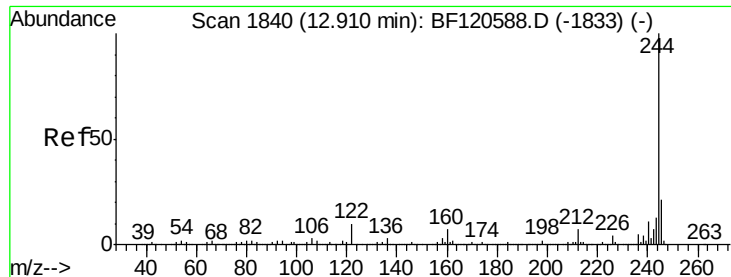


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 62.760 ng

RT: 12.91 min Scan# 1840

Delta R.T. 0.00 min

Lab File: BF120662.D

Acq: 19 Jun 2020 14:30

Instrument :

BNA_F

ClientSampled :

CENTER

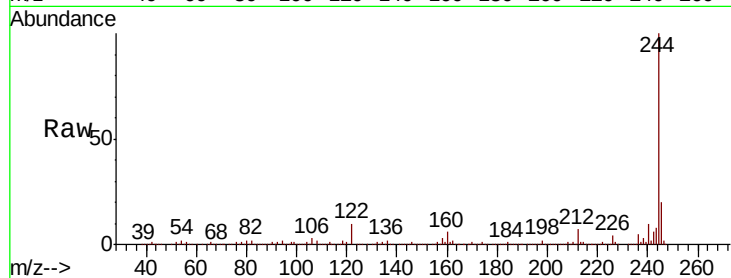
Tot Ion:244 Resp: 1322888

Ion Ratio Lower Upper

244 100

212 6.5 5.7 8.5

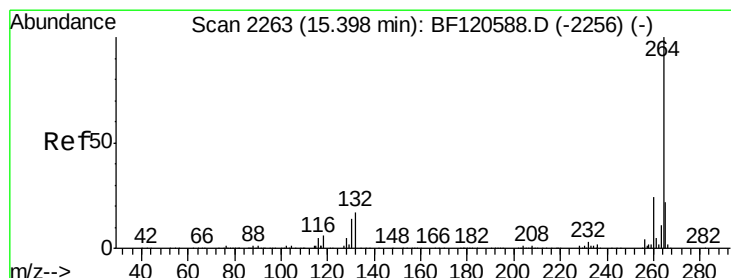
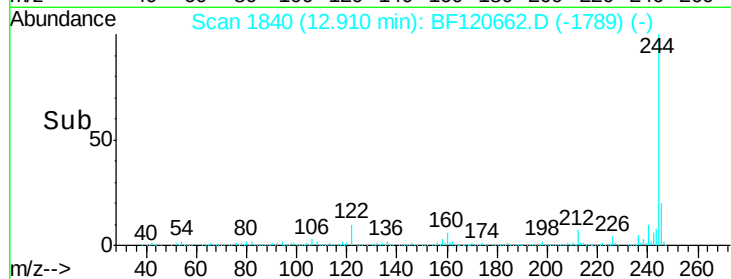
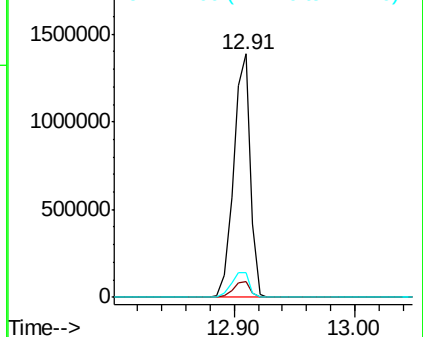
122 9.9 8.3 12.5



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.40 min Scan# 2264

Delta R.T. 0.01 min

Lab File: BF120662.D

Acq: 19 Jun 2020 14:30

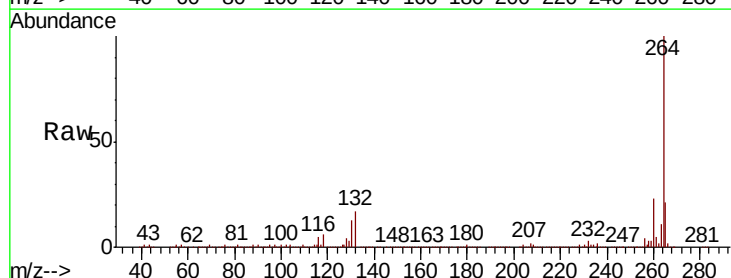
Tgt Ion:264 Resp: 492703

Ion Ratio Lower Upper

264 100

260 23.3 19.3 28.9

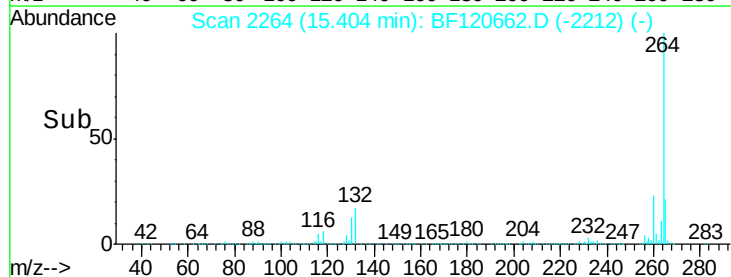
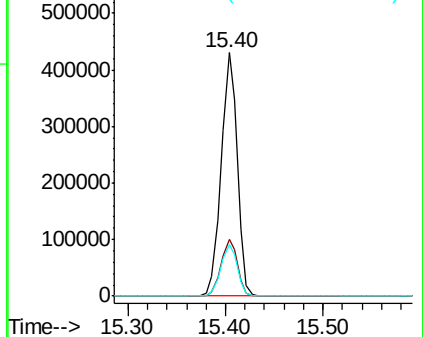
265 21.4 17.8 26.8

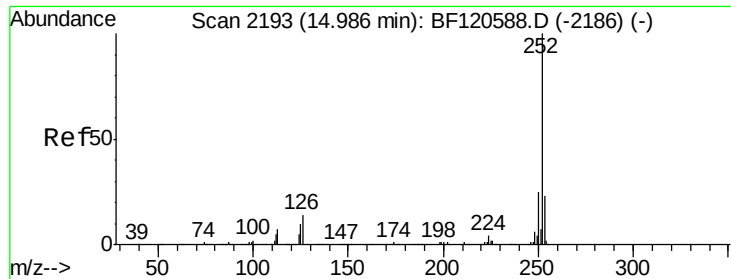


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

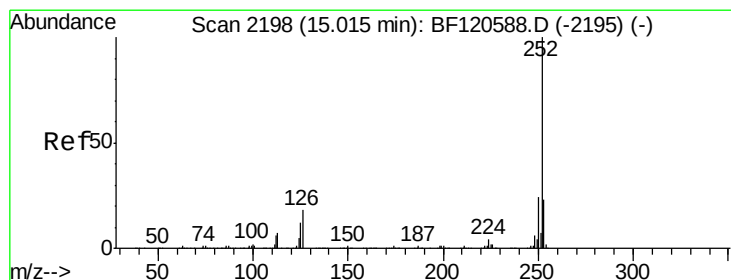
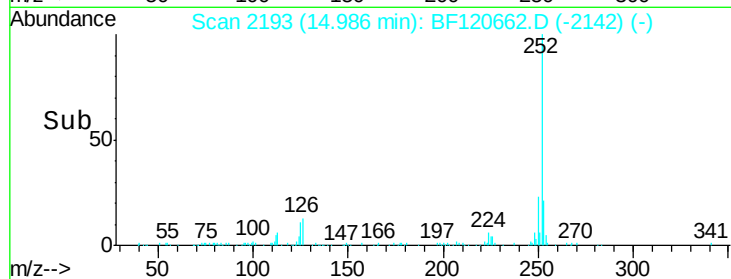
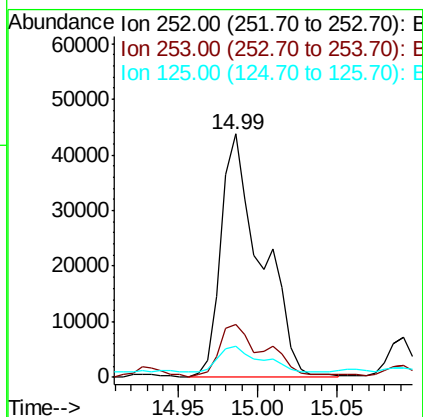
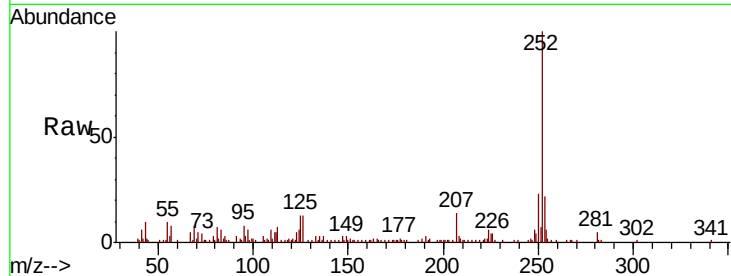




#88
Benzo(b)fluoranthene
Concen: 2.644 ng
RT: 14.99 min Scan# 2193
Delta R.T. 0.00 min
Lab File: BF120662.D
Acq: 19 Jun 2020 14:30

Instrument :
BNA_F
ClientSampleId :
CENTER

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.1	27.1
125	12.8	8.3	12.5#



#89
Benzo(k)fluoranthene
Concen: 2.988 ng
RT: 14.99 min Scan# 2193
Delta R.T. -0.03 min
Lab File: BF120662.D
Acq: 19 Jun 2020 14:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.0	27.0
125	12.8	8.3	12.5#

