

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062520\
 Data File : BF120704.D
 Acq On : 25 Jun 2020 15:28
 Operator : JU/CG
 Sample : L2817-11
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-062420

Quant Time: Jun 25 16:13:37 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	121820	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	540669	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	262717	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	438344	20.00	ng	0.00
76) Chrysene-d12	13.96	240	355067	20.00	ng	0.00
86) Perylene-d12	15.40	264	436806	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	415167	58.43	ng	0.00
7) Phenol-d6	6.43	99	464720	52.51	ng	0.00
23) Nitrobenzene-d5	7.36	82	336559	34.79	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	170615	55.86	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	646029	37.62	ng	0.00
79) Terphenyl-d14	12.90	244	804732	50.06	ng	0.00

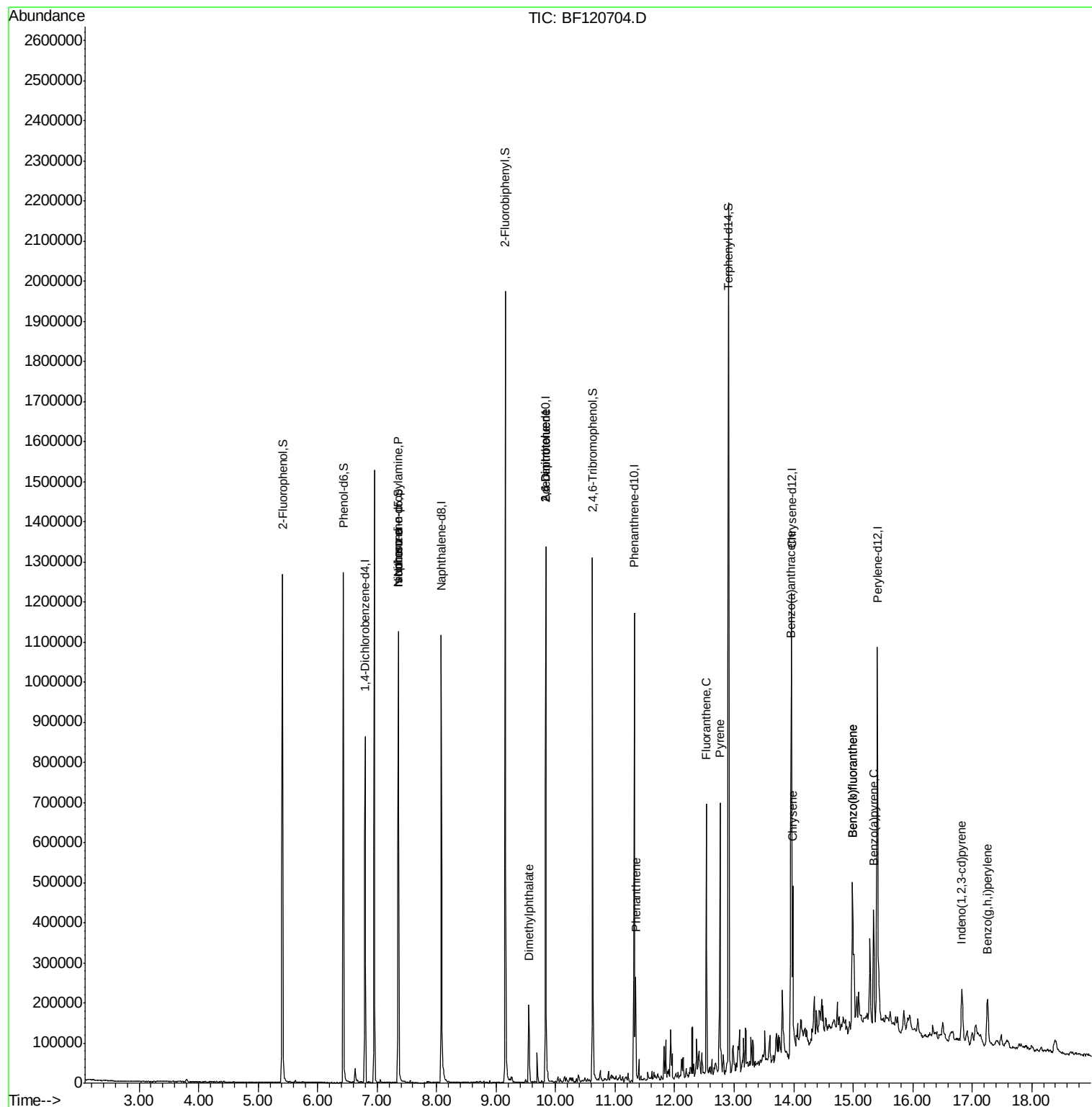
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.36	70	42473	8.274	ng	# 77
25) Isophorone	7.36	82	336592	17.864	ng	# 62
50) Dimethylphthalate	9.55	163	88311	4.667	ng	98
51) 2,6-Dinitrotoluene	9.83	165	33229	7.749	ng	# 27
57) 2,4-Dinitrotoluene	9.83	165	33229	5.840	ng	# 29
71) Phenanthrene	11.34	178	97192	4.460	ng	98
75) Fluoranthene	12.53	202	250025	10.036	ng	97
78) Pyrene	12.76	202	267283	10.626	ng	98
81) Benzo(a)anthracene	13.95	228	109823	5.148	ng	94
83) Chrysene	13.99	228	143394	6.553	ng	98
87) Indeno(1,2,3-cd)pyrene	16.83	276	87054	3.276	ng	96
88) Benzo(b)fluoranthene	14.99	252	252288	9.696	ng	98
89) Benzo(k)fluoranthene	14.99	252	252288	10.958	ng	98
90) Benzo(a)pyrene	15.34	252	132729	5.700	ng	99
92) Benzo(a,h,i)perylene	17.26	276	90368	4.208	ng	99

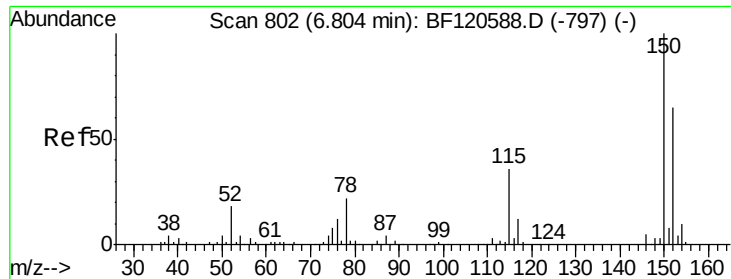
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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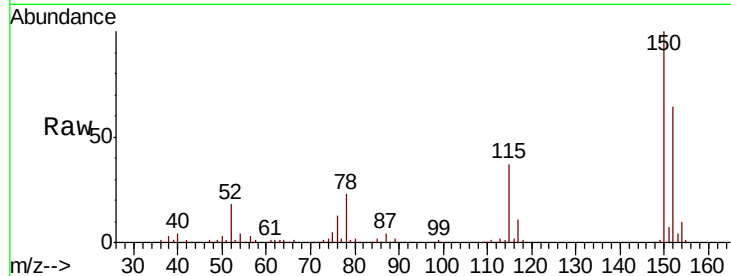


#1

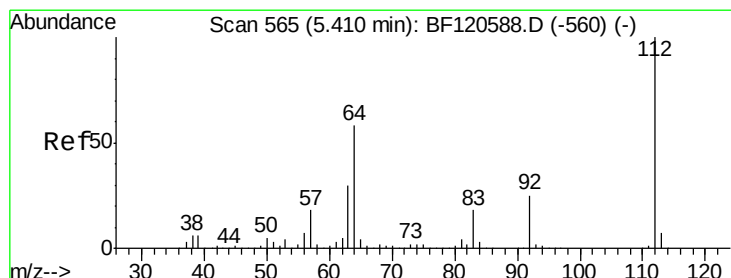
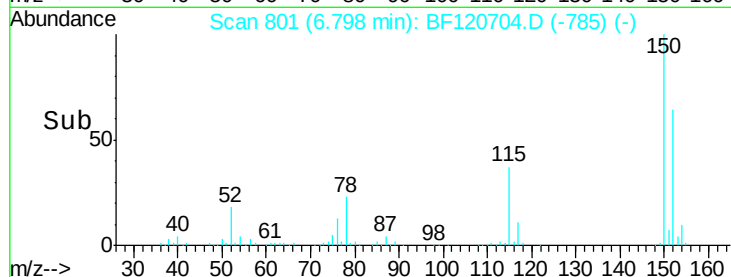
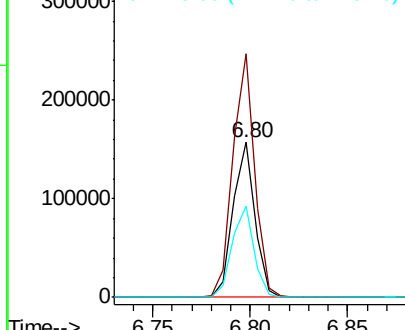
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 801
 Delta R.T. -0.01 min
 Lab File: BF120704.D
 Acq: 25 Jun 2020 15:28

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-062420

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	123.2	184.8
115	58.4	43.9	65.9



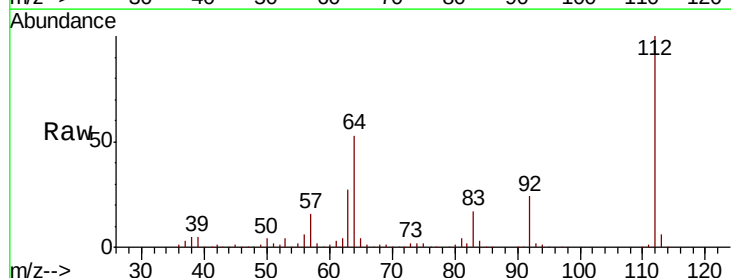
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



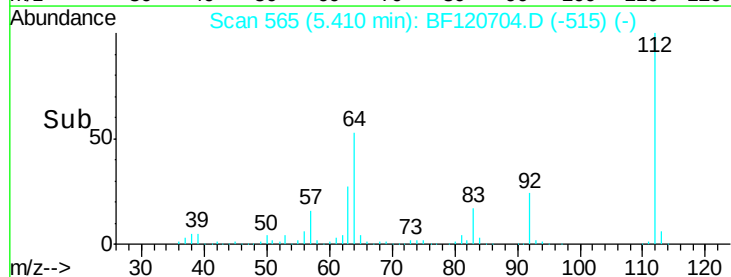
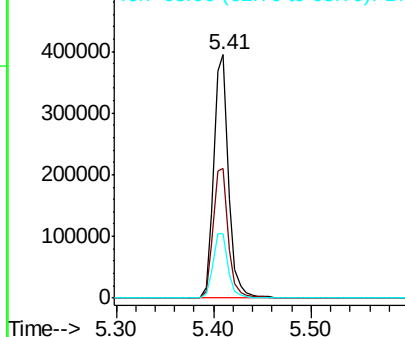
#5

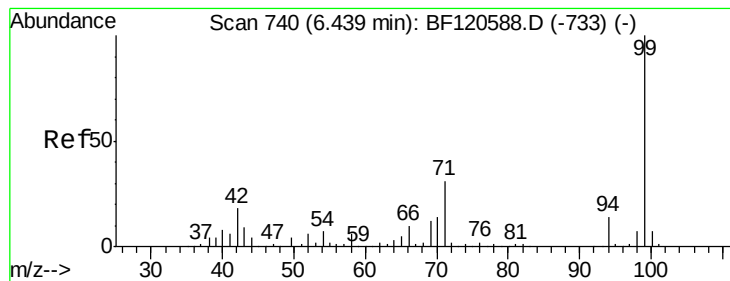
2-Fluorophenol
 Concen: 58.429 ng
 RT: 5.41 min Scan# 565
 Delta R.T. -0.01 min
 Lab File: BF120704.D
 Acq: 25 Jun 2020 15:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.2	46.1	69.1
63	26.7	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: 52.512 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF120704.D

Acq: 25 Jun 2020 15:28

Instrument :

BNA_F

ClientSampleId :

SU-01-062420

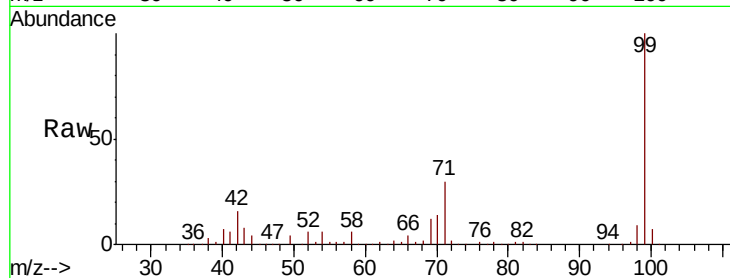
Tot Ion: 99 Resp: 464720

Ion Ratio Lower Upper

99 100

42 16.5 14.0 21.0

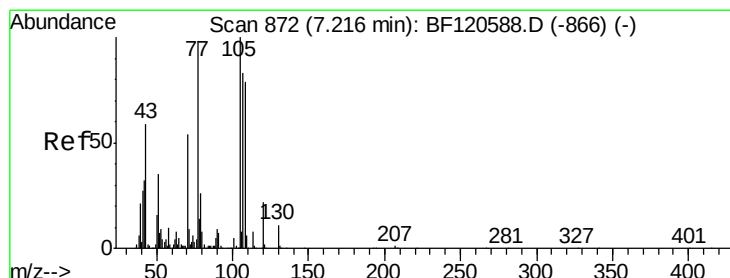
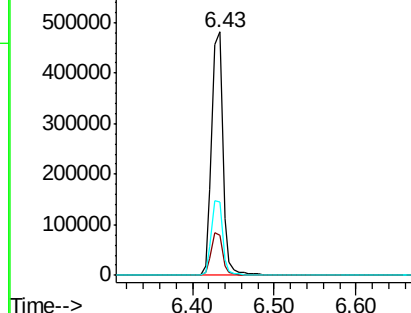
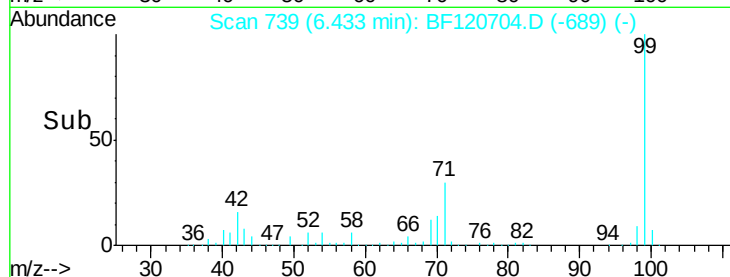
71 30.2 24.9 37.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 8.274 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.14 min

Lab File: BF120704.D

Acq: 25 Jun 2020 15:28

Tgt Ion: 70 Resp: 42473

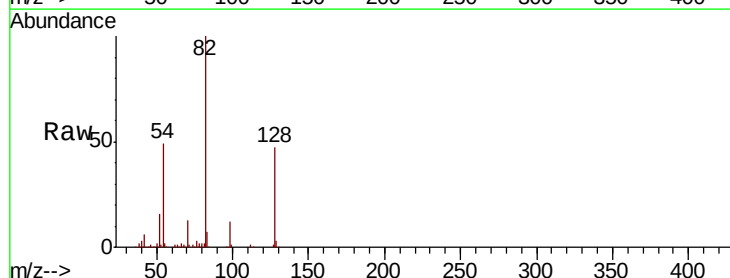
Ion Ratio Lower Upper

70 100

42 47.5 47.7 71.5#

101 0.0 7.6 11.4#

130 2.2 16.7 25.1#

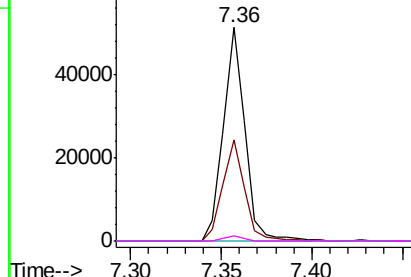
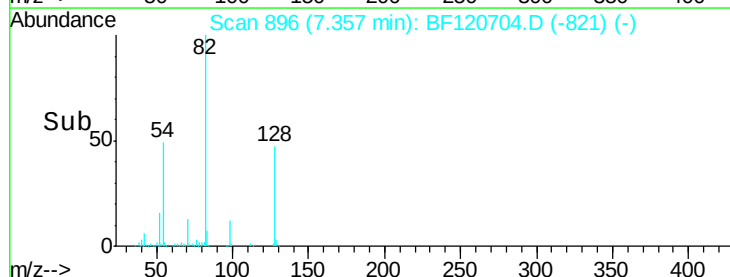


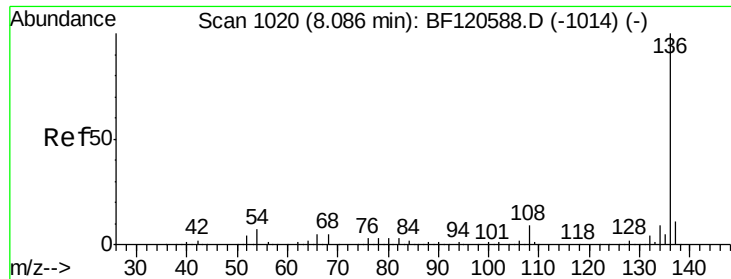
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

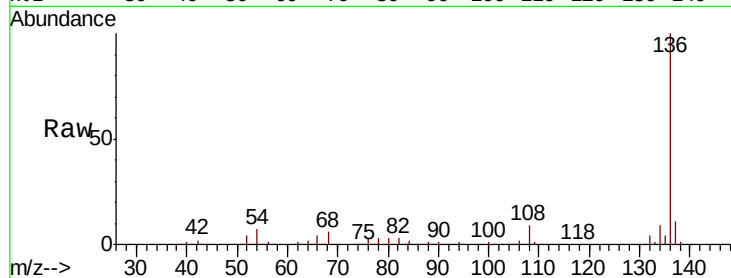




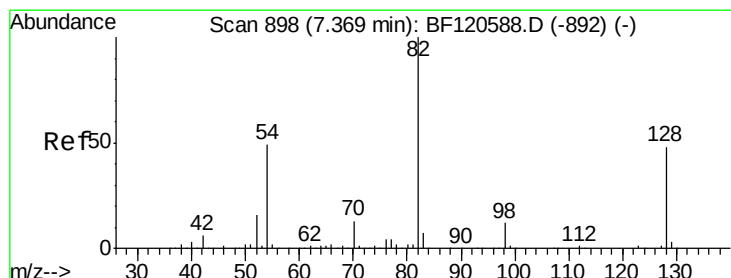
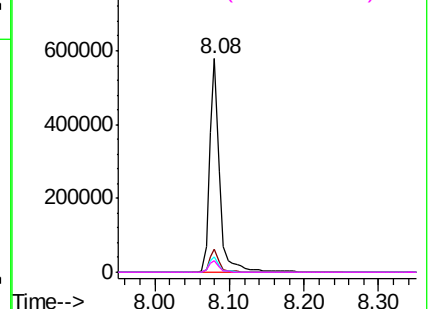
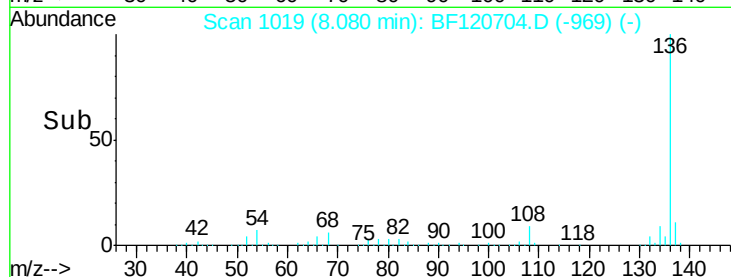
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF120704.D
Acq: 25 Jun 2020 15:28

Instrument :
BNA_F
ClientSampleId :
SU-01-062420

Tot Ion:136	Resp: 540669
Ion Ratio	Lower Upper
136 100	
137 11.0	8.6 13.0
54 6.9	5.8 8.6
68 5.6	4.4 6.6

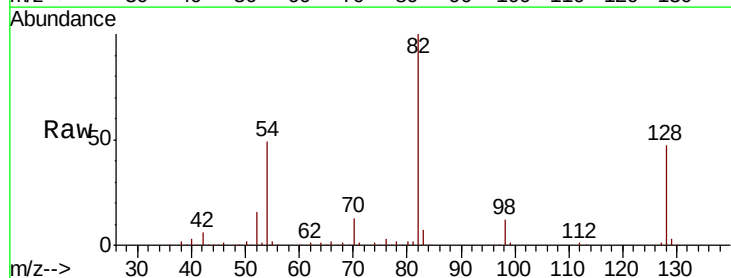


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

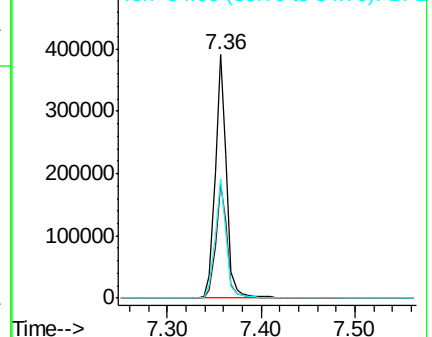
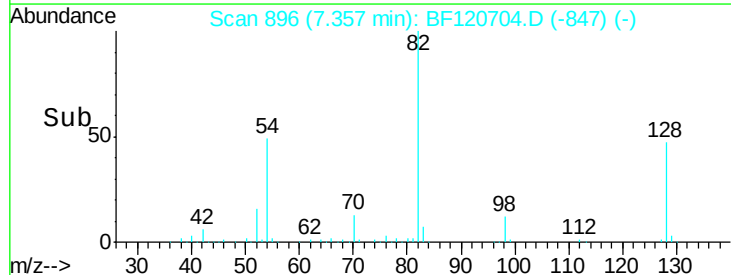


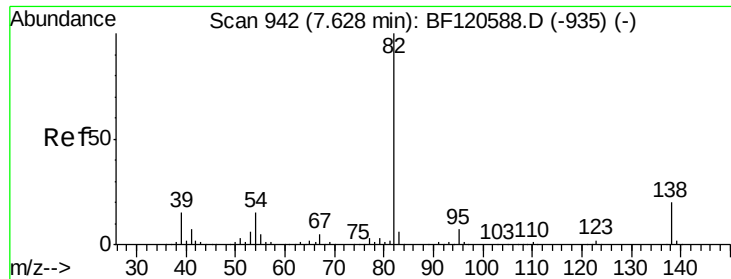
#23
Nitrobenzene-d5
Concen: 34.795 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF120704.D
Acq: 25 Jun 2020 15:28

Tgt Ion: 82	Resp: 336559
Ion Ratio	Lower Upper
82 100	
128 46.9	38.0 57.0
54 48.9	38.8 58.2



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





#25

Isophorone

Concen: 17.864 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.27 min

Lab File: BF120704.D

Acq: 25 Jun 2020 15:28

Instrument :

BNA_F

ClientSampleId :

SU-01-062420

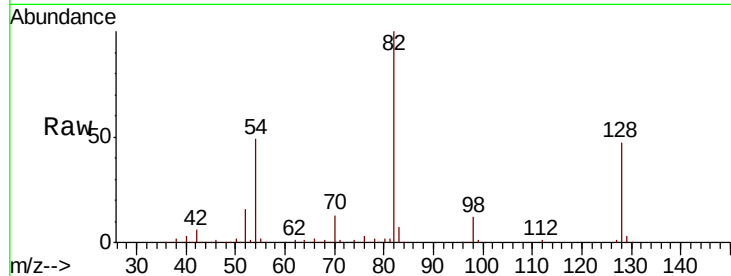
Tot Ion: 82 Resp: 336592

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

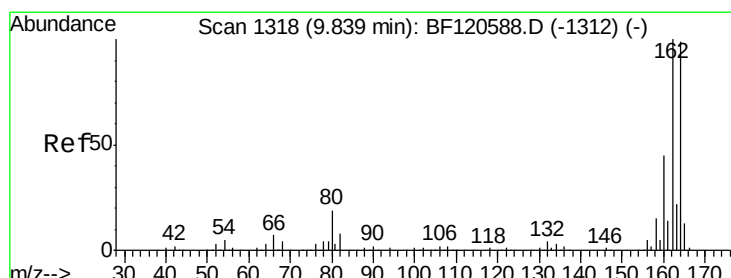
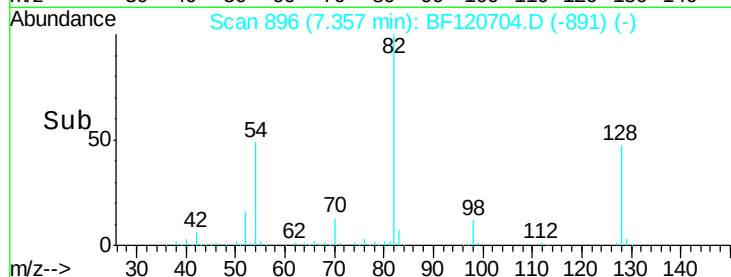
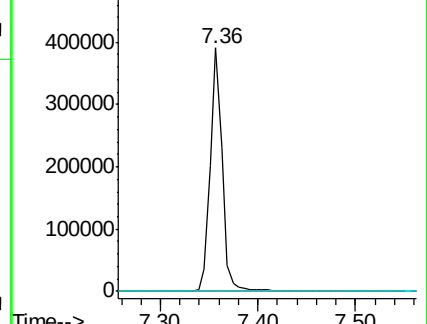
138 0.0 16.2 24.4#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF120704.D

Acq: 25 Jun 2020 15:28

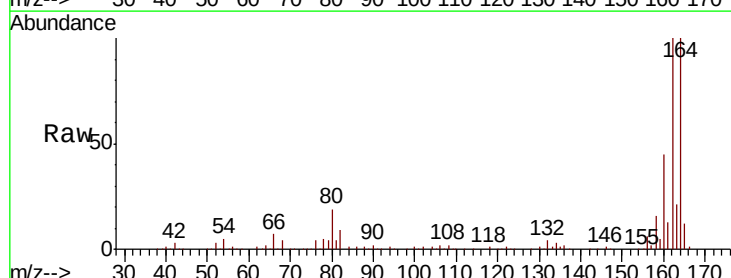
Tgt Ion: 164 Resp: 262717

Ion Ratio Lower Upper

164 100

162 100.4 80.6 120.8

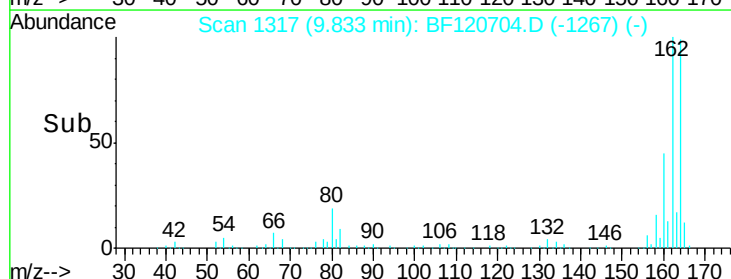
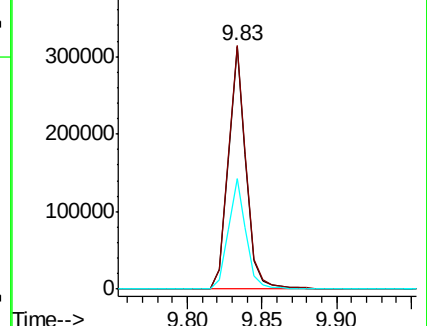
160 45.7 36.2 54.2

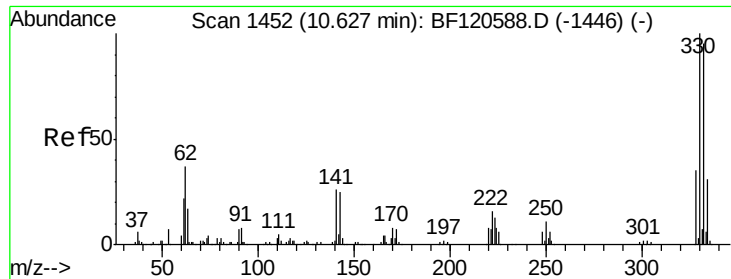


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

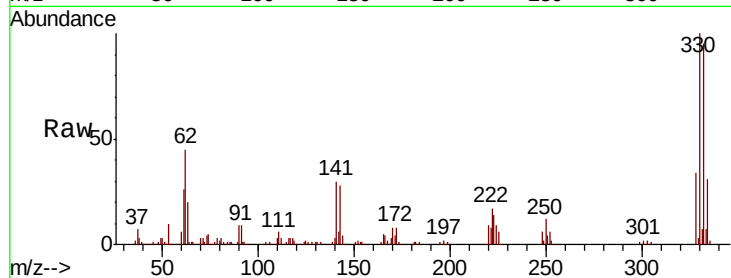




#42
 2,4,6-Tribromophenol
 Concen: 55.858 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.01 min
 Lab File: BF120704.D
 Acq: 25 Jun 2020 15:28

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-062420

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.8	115.2
141	28.7	23.2	34.8

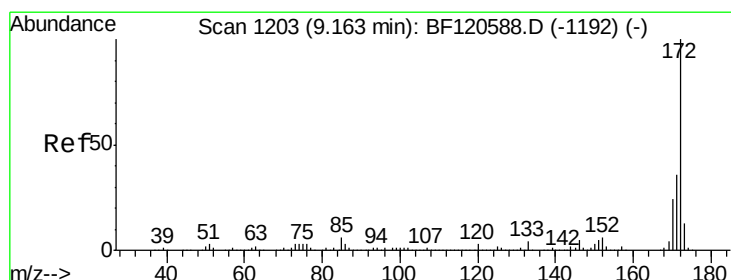
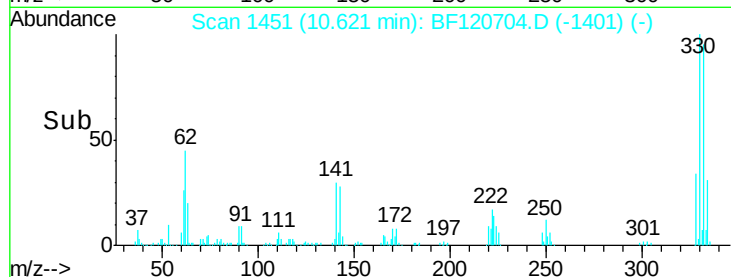
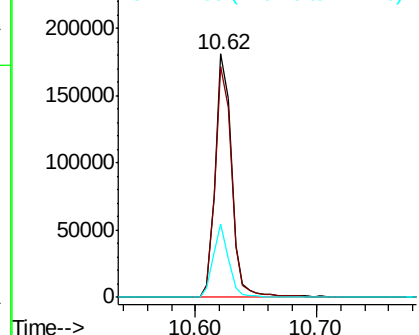


Abundance

Ion 329.80 (329.50 to 330.50): E

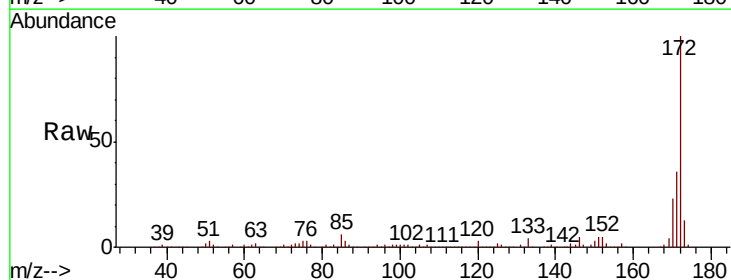
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 37.623 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF120704.D
 Acq: 25 Jun 2020 15:28

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.0	43.4
170	23.5	19.4	29.2

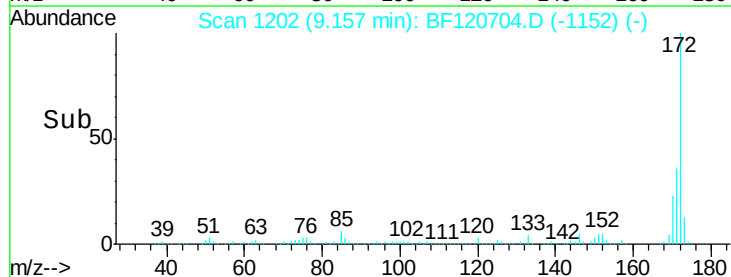
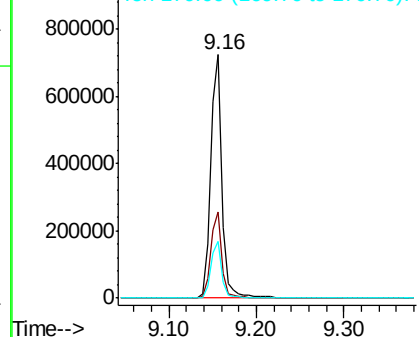


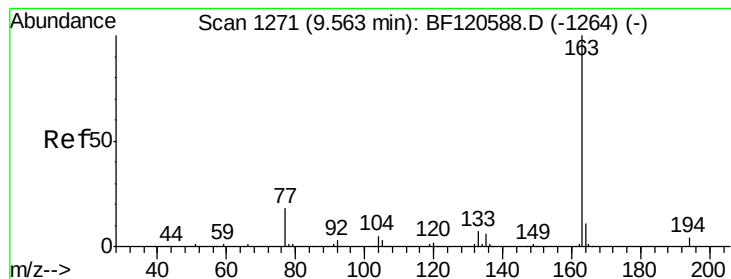
Abundance

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: 4.667 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.01 min

Lab File: BF120704.D

Acq: 25 Jun 2020 15:28

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SU-01-062420

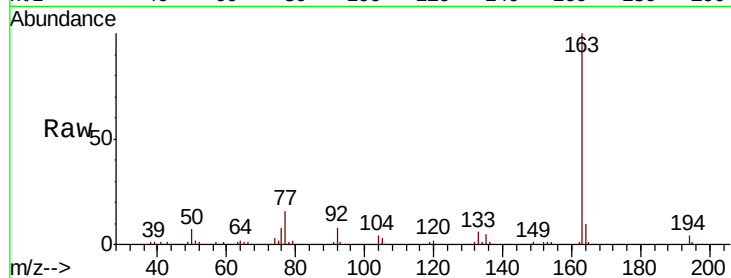
Tot Ion:163 Resp: 88311

Ion Ratio Lower Upper

163 100

194 4.1 3.1 4.7

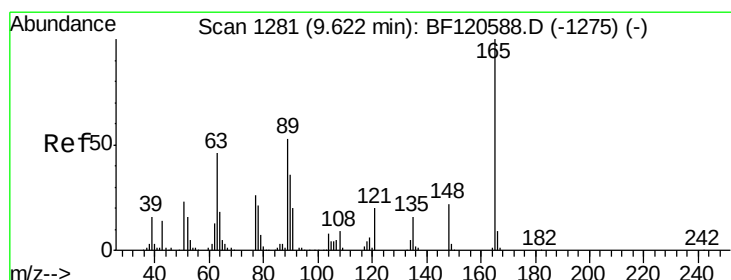
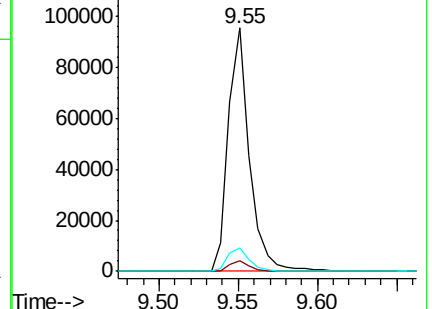
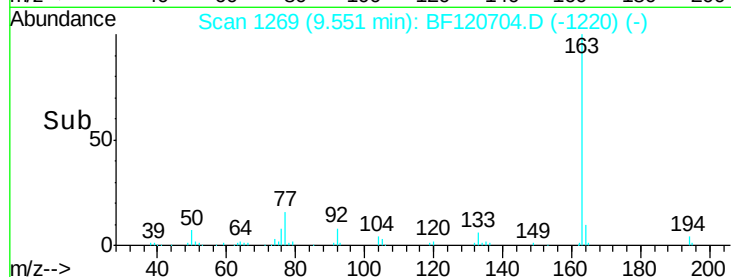
164 9.6 8.5 12.7



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: 7.749 ng

RT: 9.83 min Scan# 1317

Delta R.T. 0.21 min

Lab File: BF120704.D

Acq: 25 Jun 2020 15:28

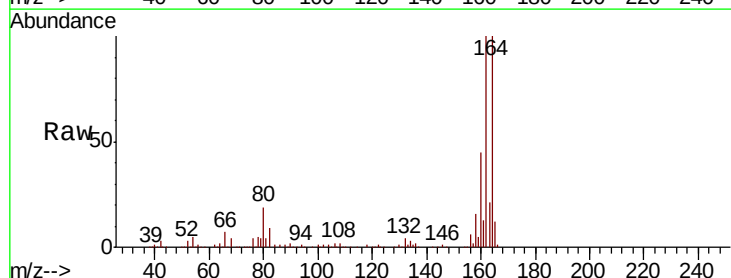
Tgt Ion:165 Resp: 33229

Ion Ratio Lower Upper

165 100

63 0.9 41.7 62.5#

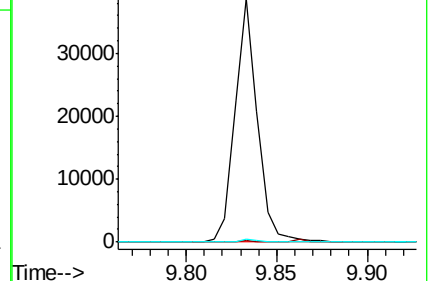
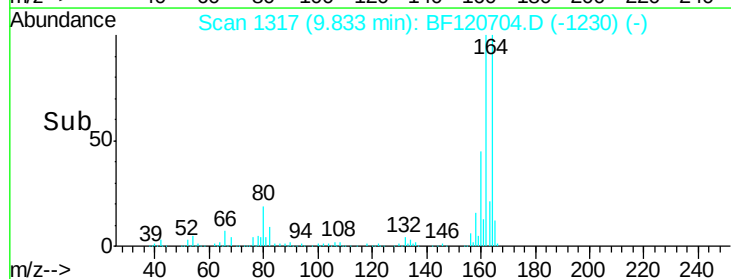
89 1.4 42.6 64.0#

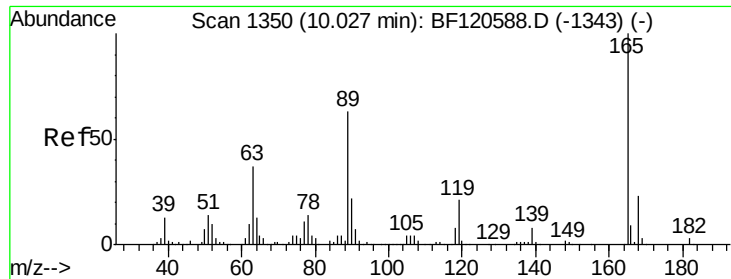


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

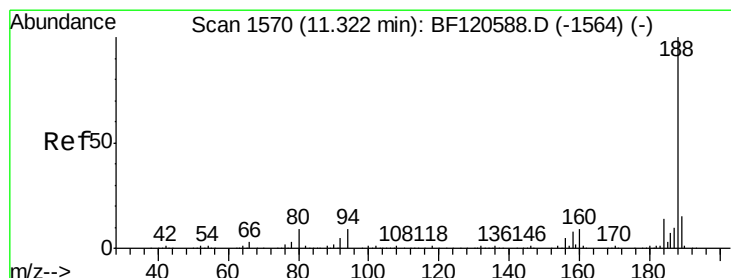
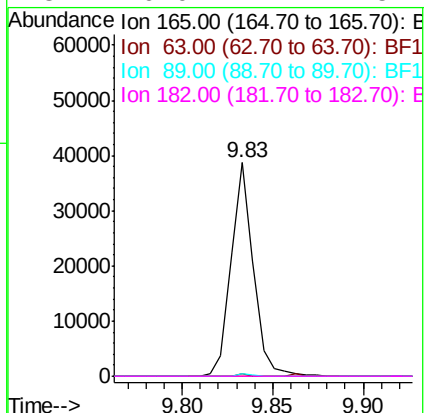
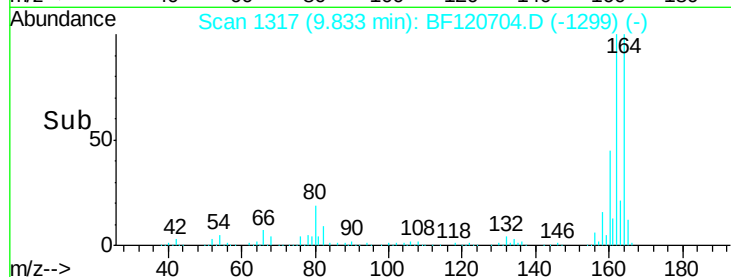
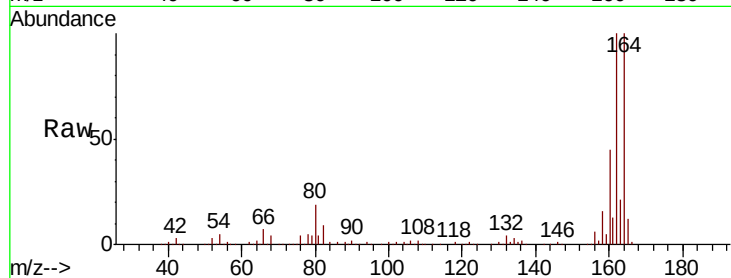




#57
 2,4-Dinitrotoluene
 Concen: 5.840 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.19 min
 Lab File: BF120704.D
 Acq: 25 Jun 2020 15:28

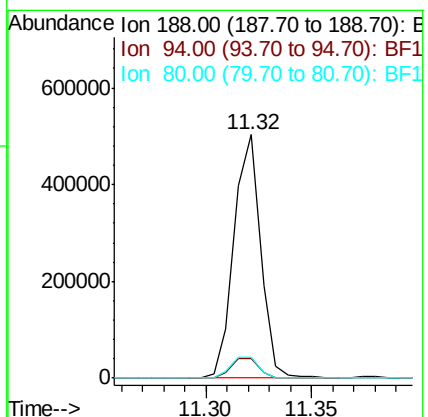
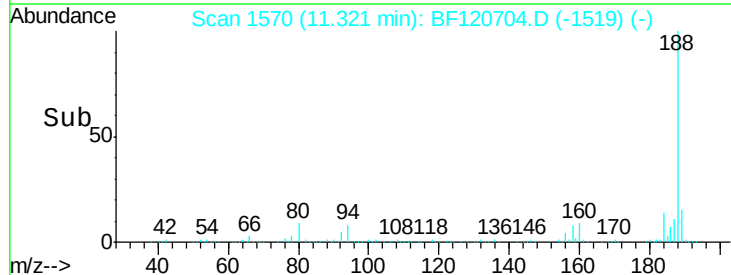
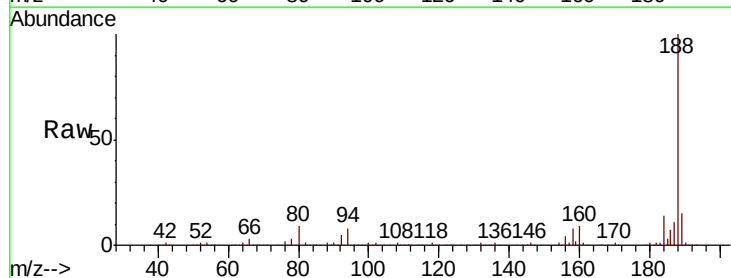
Instrument :
 BNA_F
 ClientSampleId :
 SU-01-062420

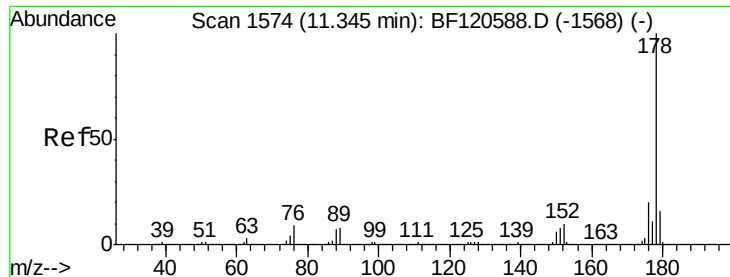
Tot Ion:165	Resp:	33229
Ion Ratio	Lower	Upper
165 100		
63 0.9	29.8	44.8#
89 1.4	50.4	75.6#
182 0.0	2.1	3.1#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: BF120704.D
 Acq: 25 Jun 2020 15:28

Tgt Ion:188	Ratio	Resp: Lower	438344 Upper
188	100		
94	8.3	7.2	10.8
80	8.6	7.4	11.2

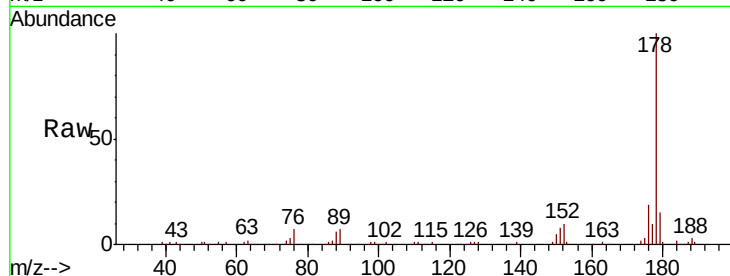




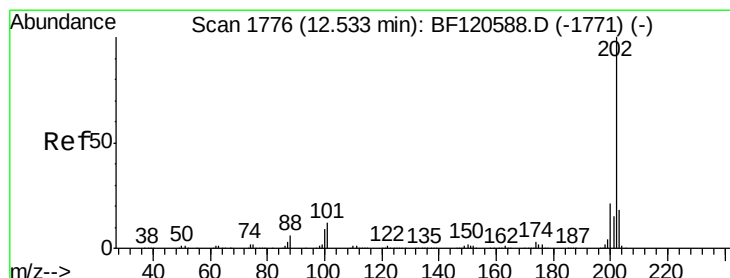
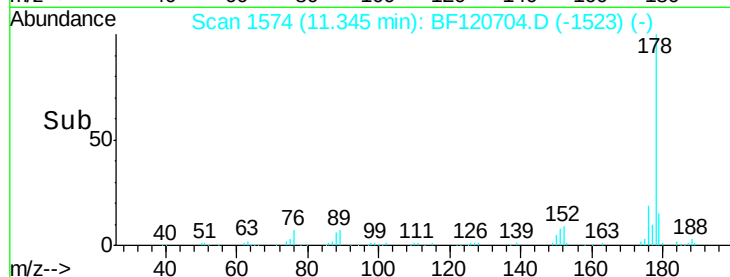
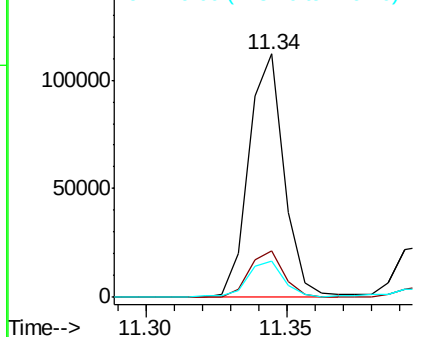
#71
Phenanthrene
Concen: 4.460 ng
RT: 11.34 min Scan# 1574
Delta R.T. -0.00 min
Lab File: BF120704.D
Acq: 25 Jun 2020 15:28

Instrument :
BNA_F
ClientSampleId :
SU-01-062420

Tot Ion	Ion	Ratio	Lower	Upper
178	100			
176	19.2	15.9	23.9	
179	15.1	12.8	19.2	

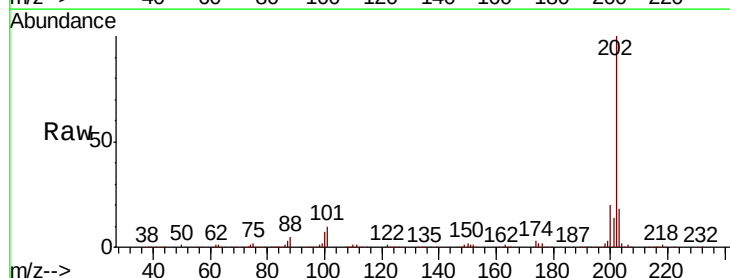


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

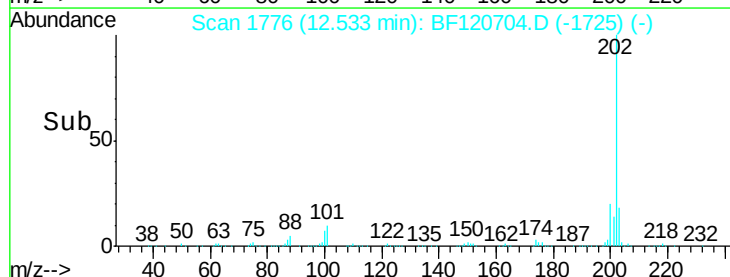
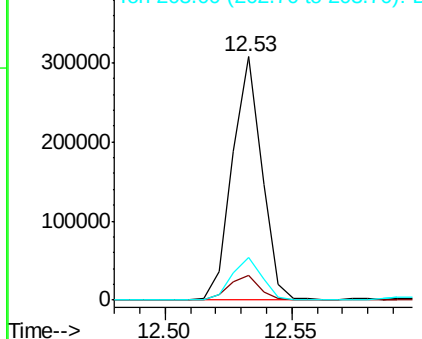


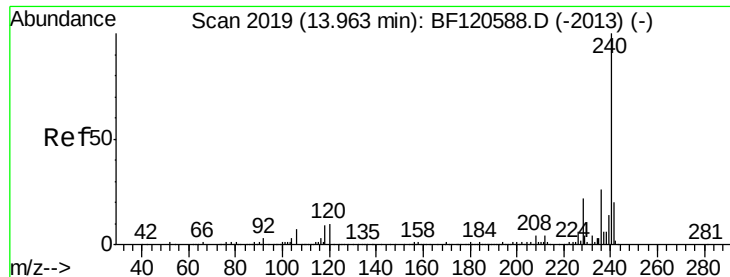
#75
Fluoranthene
Concen: 10.036 ng
RT: 12.53 min Scan# 1776
Delta R.T. -0.00 min
Lab File: BF120704.D
Acq: 25 Jun 2020 15:28

Tgt Ion	Ion	Ratio	Lower	Upper
202	100			
101	10.1	0.0	32.0	
203	17.6	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

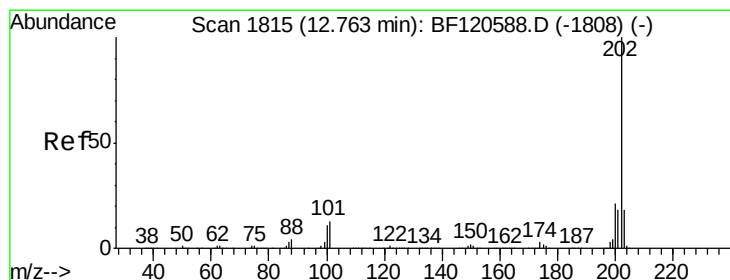
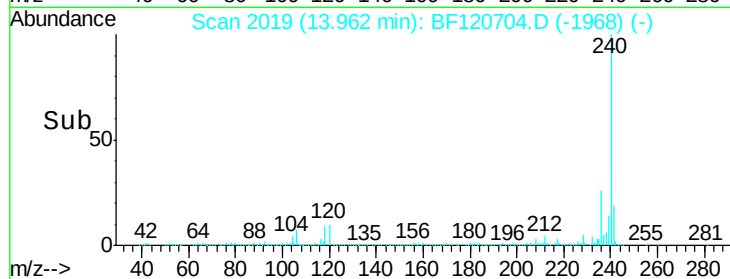
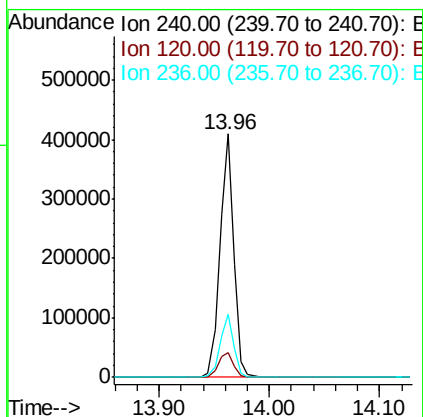
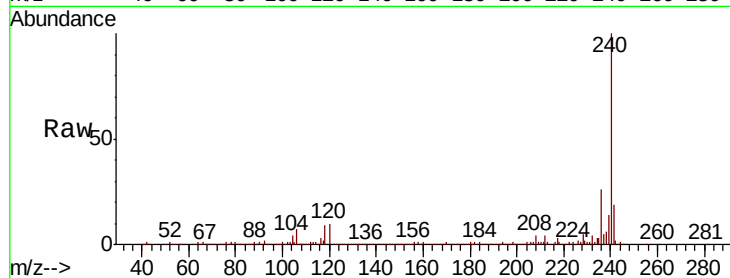




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.00 min
Lab File: BF120704.D
Acq: 25 Jun 2020 15:28

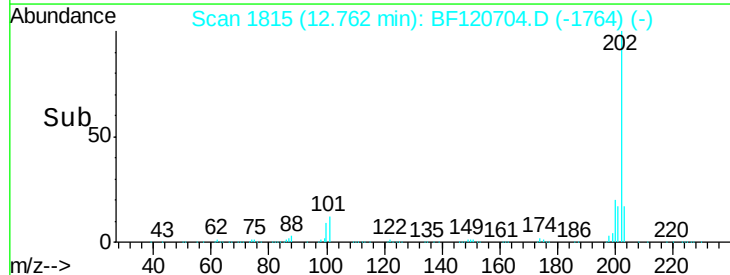
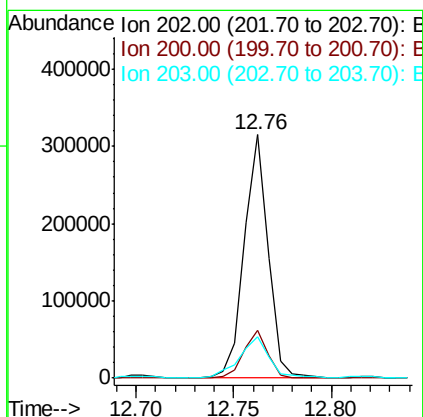
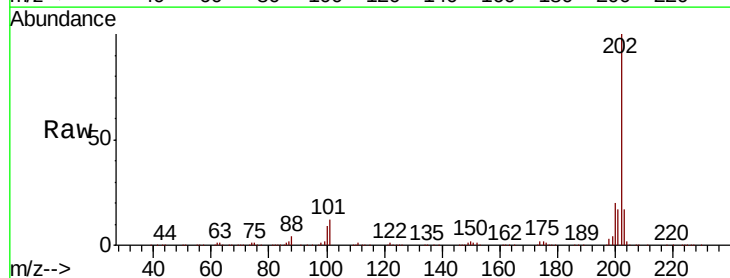
Instrument :
BNA_F
ClientSampleId :
SU-01-062420

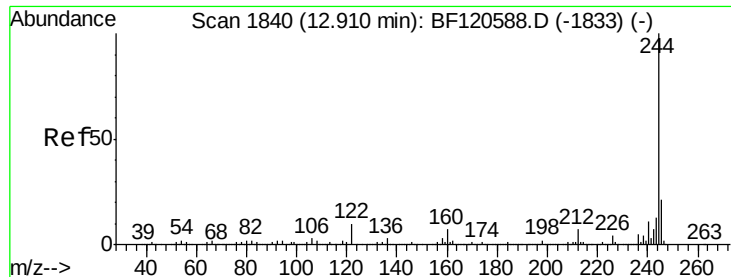
Tot Ion:240 Resp: 355067
Ion Ratio Lower Upper
240 100
120 10.4 8.3 12.5
236 25.9 21.0 31.4



#78
Pyrene
Concen: 10.626 ng
RT: 12.76 min Scan# 1815
Delta R.T. -0.00 min
Lab File: BF120704.D
Acq: 25 Jun 2020 15:28

Tgt Ion:202 Resp: 267283
Ion Ratio Lower Upper
202 100
200 19.7 16.8 25.2
203 17.0 14.3 21.5





#79

Terphenyl-d14

Concen: 50.063 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BF120704.D

Acq: 25 Jun 2020 15:28

Instrument :

BNA_F

ClientSampleId :

SU-01-062420

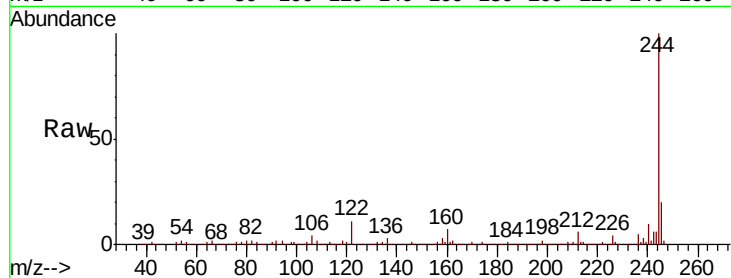
Tot Ion:244 Resp: 804732

Ion Ratio Lower Upper

244 100

212 6.4 5.7 8.5

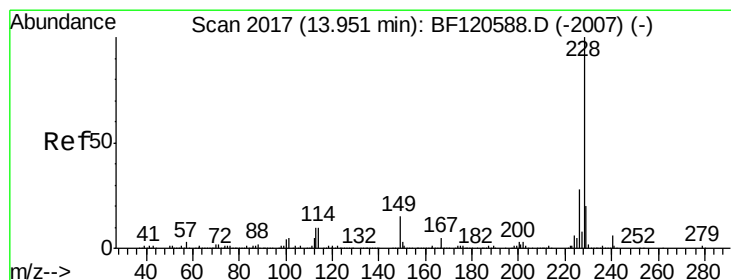
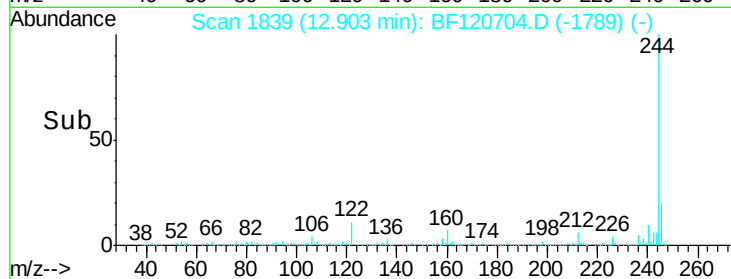
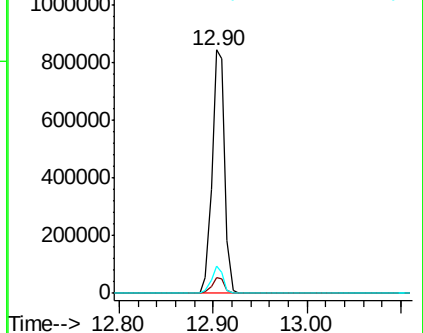
122 11.4 8.3 12.5



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



#81

Benzo(a)anthracene

Concen: 5.148 ng

RT: 13.95 min Scan# 1717

Delta R.T. -0.00 min

Lab File: BF120704.D

Acq: 25 Jun 2020 15:28

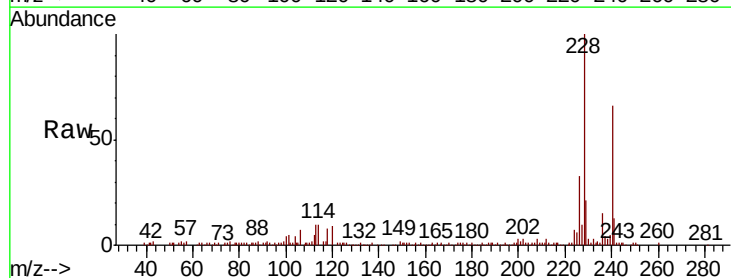
Tgt Ion:228 Resp: 109823

Ion Ratio Lower Upper

228 100

226 32.8 22.5 33.7

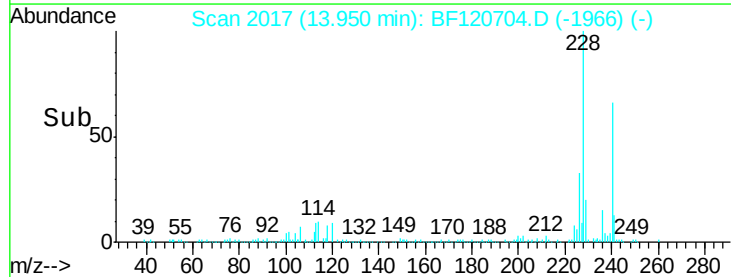
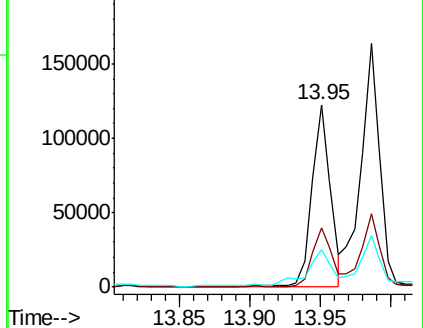
229 20.7 16.1 24.1

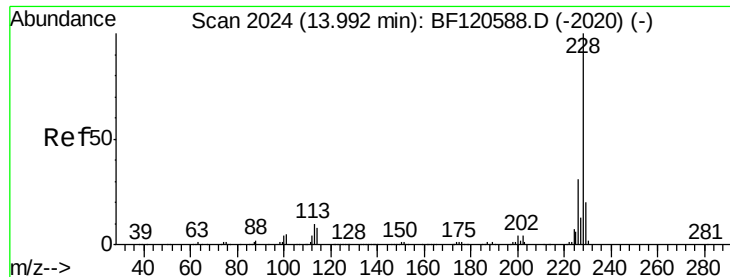


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

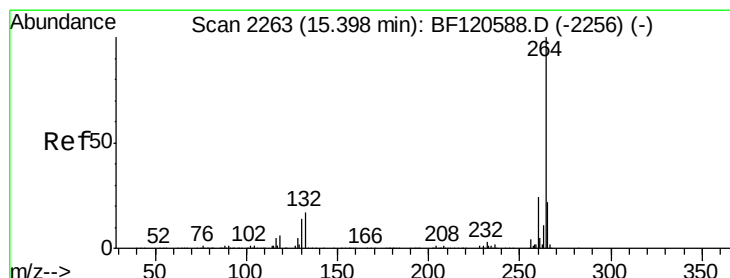
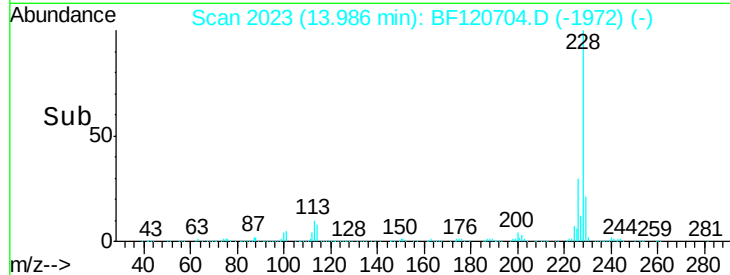
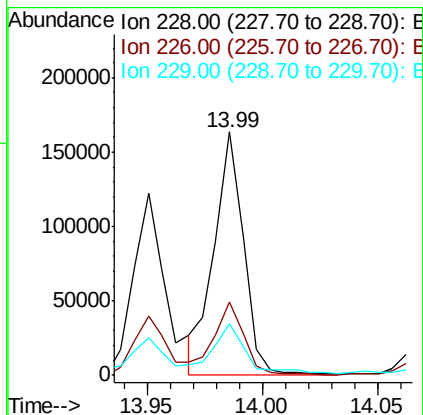
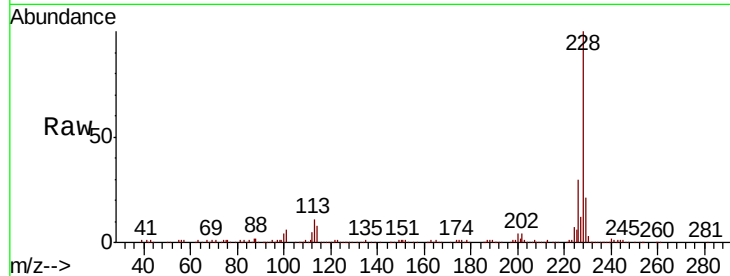




#83
Chrysene
Concen: 6.553 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.00 min
Lab File: BF120704.D
Acq: 25 Jun 2020 15:28

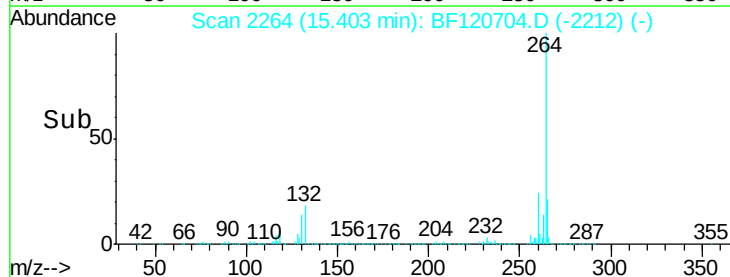
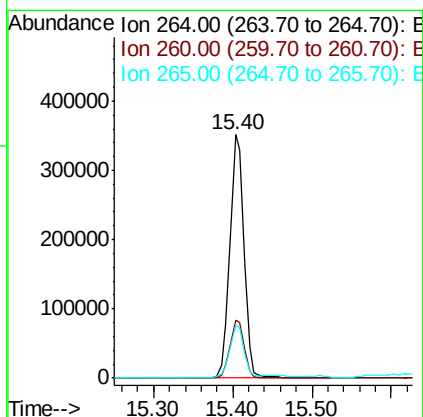
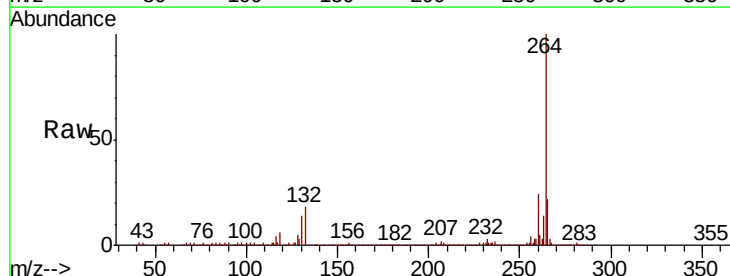
Instrument :
BNA_F
ClientSampleId :
SU-01-062420

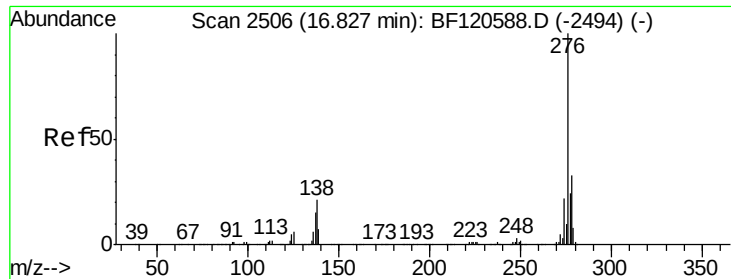
Tot Ion:228 Resp: 143394
Ion Ratio Lower Upper
228 100
226 30.1 24.9 37.3
229 21.3 16.1 24.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.40 min Scan# 2264
Delta R.T. 0.01 min
Lab File: BF120704.D
Acq: 25 Jun 2020 15:28

Tgt Ion:264 Resp: 436806
Ion Ratio Lower Upper
264 100
260 23.9 19.3 28.9
265 21.6 17.8 26.8

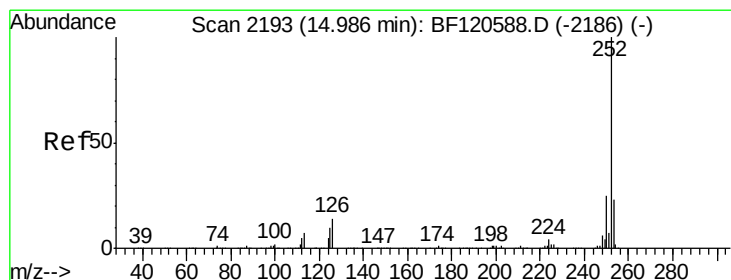
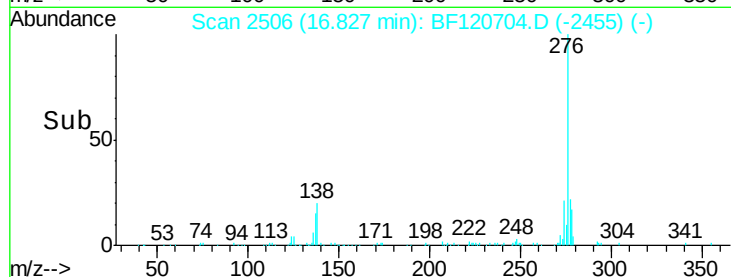
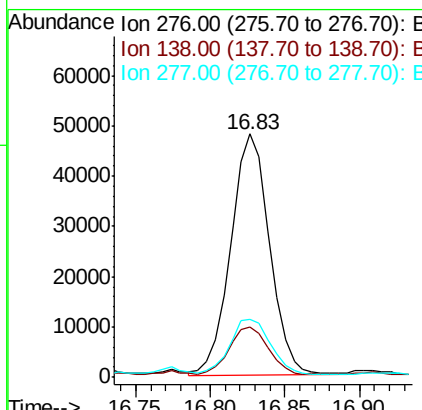
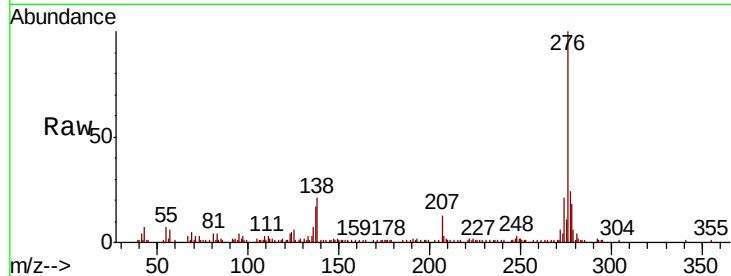




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.276 ng
 RT: 16.83 min Scan# 2506
 Delta R.T. -0.00 min
 Lab File: BF120704.D
 Acq: 25 Jun 2020 15:28

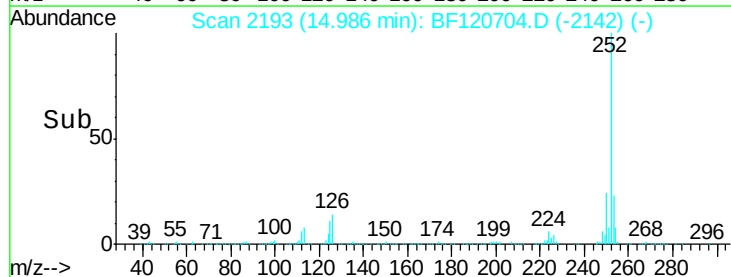
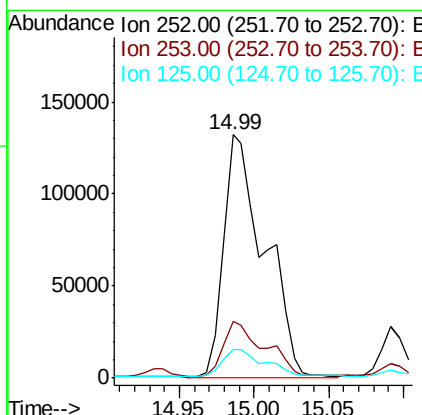
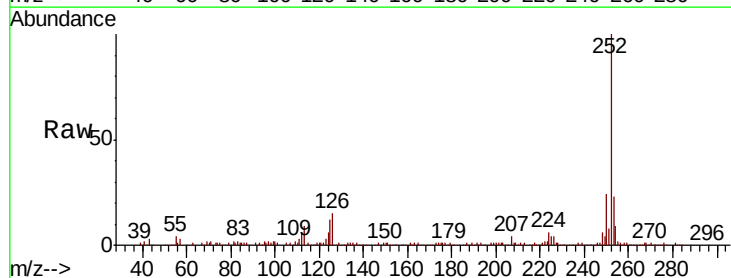
Instrument :
 BNA_F
 ClientSampleId :
 SU-01-062420

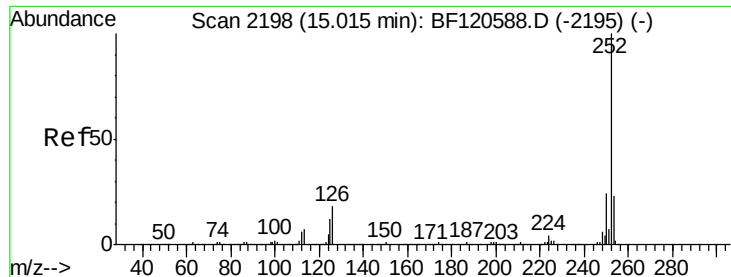
Tot Ion	Ratio	Lower	Upper
276	100		
138	20.4	18.9	28.3
277	24.3	20.2	30.2



#88
 Benzo(b)fluoranthene
 Concen: 9.696 ng
 RT: 14.99 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: BF120704.D
 Acq: 25 Jun 2020 15:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.1	27.1
125	11.6	8.3	12.5

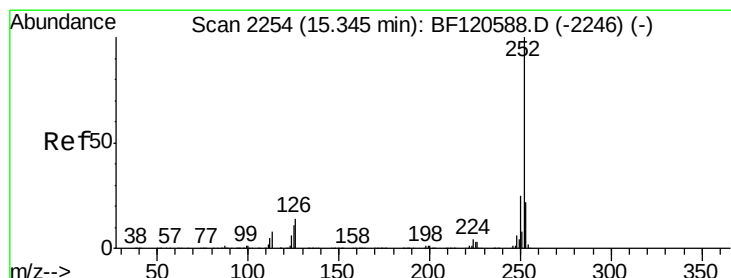
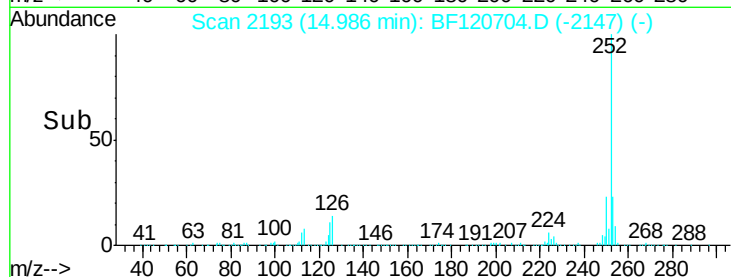
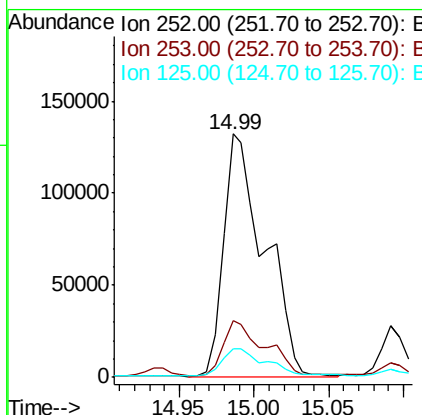
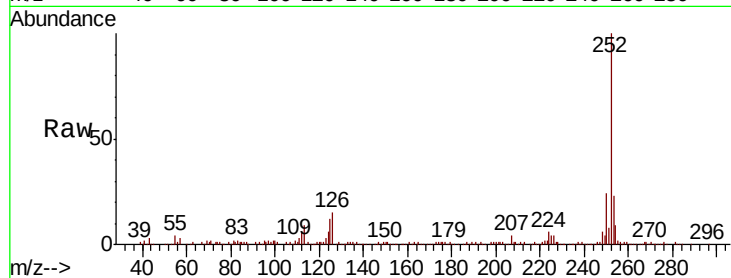




#89
Benzo(k)fluoranthene
Concen: 10.958 ng
RT: 14.99 min Scan# 2193
Delta R.T. -0.03 min
Lab File: BF120704.D
Acq: 25 Jun 2020 15:28

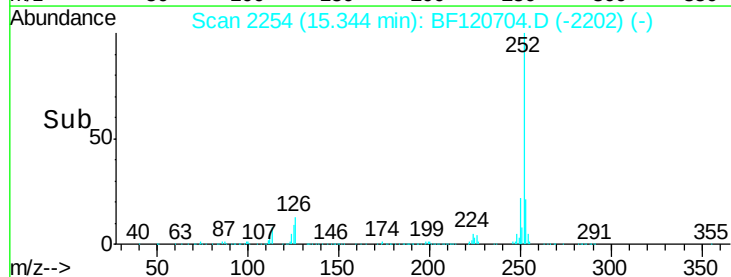
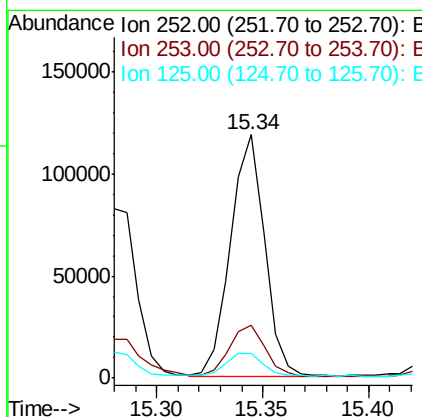
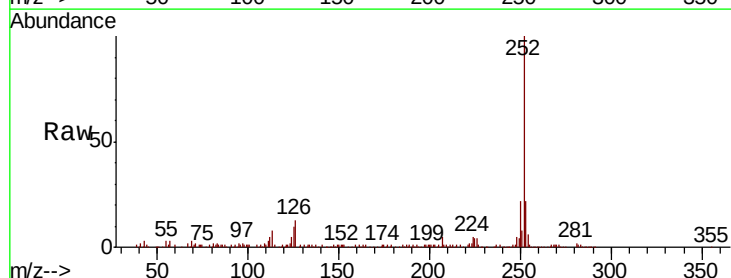
Instrument :
BNA_F
ClientSampleId :
SU-01-062420

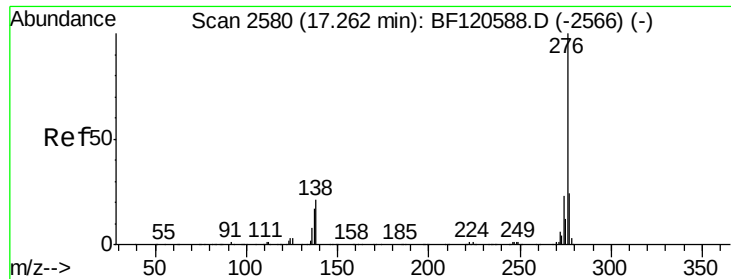
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.0	27.0
125	11.6	8.3	12.5



#90
Benzo(a)pyrene
Concen: 5.700 ng
RT: 15.34 min Scan# 2254
Delta R.T. 0.01 min
Lab File: BF120704.D
Acq: 25 Jun 2020 15:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.8
125	10.3	8.6	12.8





#92
 Benzo(a,h,i)perylene
 Concen: 4.208 ng
 RT: 17.26 min Scan# 2579
 Delta R.T. -0.00 min
 Lab File: BF120704.D
 Acq: 25 Jun 2020 15:28

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-062420

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.6	29.4
138	20.6	16.5	24.7

