

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061820\
 Data File : BF120643.D
 Acq On : 18 Jun 2020 15:46
 Operator : JU/CG
 Sample : L2817-06
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-061720

Quant Time: Jun 18 16:31:41 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	145731	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	542885	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	272037	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	525015	20.00	ng	0.00
76) Chrysene-d12	13.95	240	263844	20.00	ng	-0.01
86) Perylene-d12	15.39	264	276961	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	833541	98.06	ng	0.00
7) Phenol-d6	6.43	99	1019474	96.30	ng	0.00
23) Nitrobenzene-d5	7.36	82	666759	68.65	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	323775	102.37	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	1255994	70.64	ng	0.00
79) Terphenyl-d14	12.91	244	1505060	126.00	ng	0.00

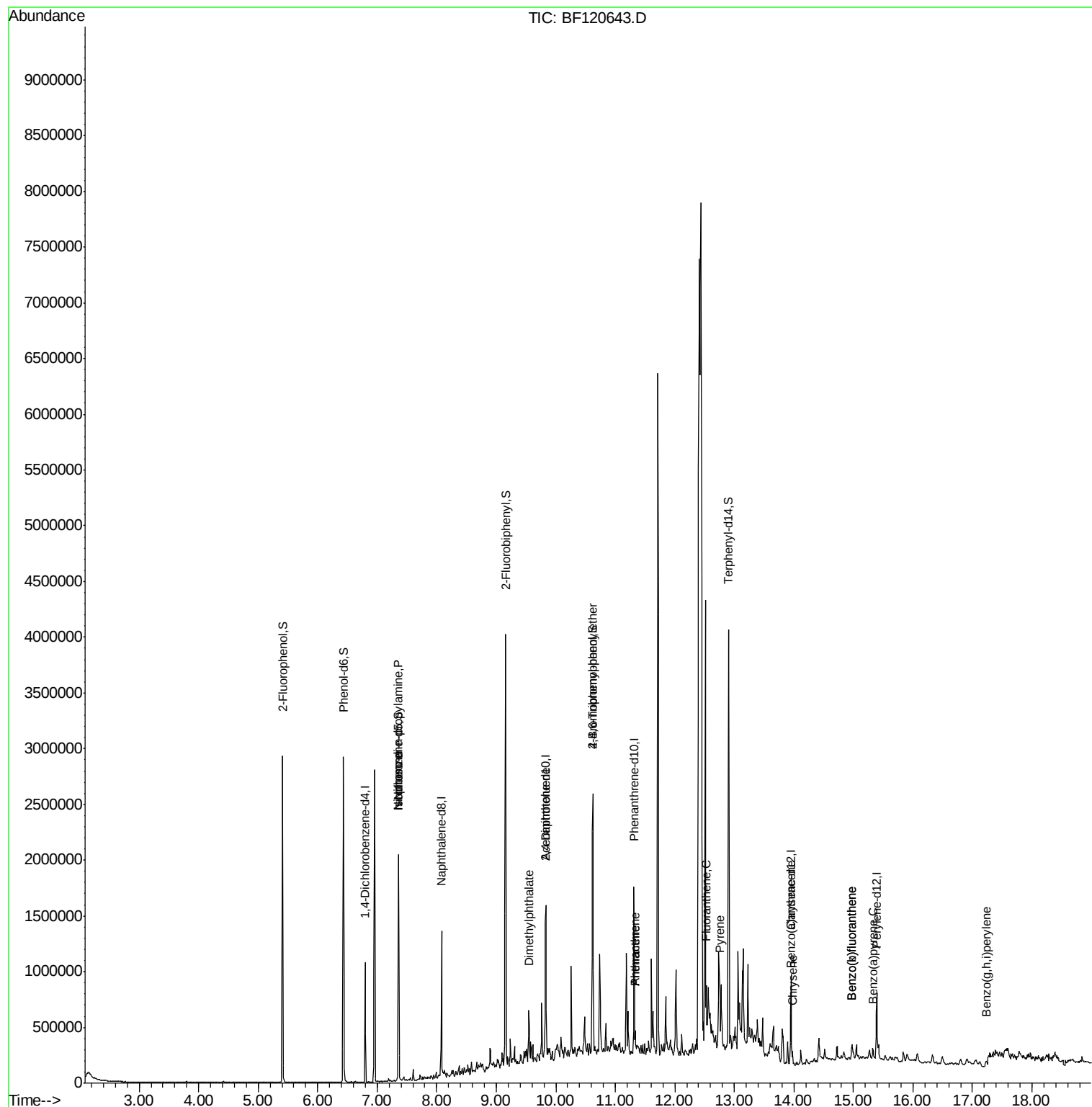
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.36	70	87972	14.325	ng	# 79
25) Isophorone	7.36	82	663264	35.058	ng	# 62
50) Dimethylphthalate	9.55	163	121109	6.181	ng	99
57) 2,4-Dinitrotoluene	9.83	165	38240	6.490	ng	# 30
67) 4-Bromophenyl-phenylether	10.62	248	18788	3.153	ng	# 1
71) Phenanthrene	11.34	178	73014	2.798	ng	98
72) Anthracene	11.34	178	73014	2.776	ng	99
75) Fluoranthene	12.53	202	186134	6.238	ng	98
78) Pyrene	12.76	202	184788	9.886	ng	98
81) Benzo(a)anthracene	13.94	228	51454	3.246	ng	94
83) Chrysene	13.97	228	50596	3.112	ng	96
88) Benzo(b)fluoranthene	14.97	252	85248	5.167	ng	98
89) Benzo(k)fluoranthene	14.97	252	85248	5.840	ng	98
90) Benzo(a)pyrene	15.33	252	44345	3.003	ng	# 92
92) Benzo(a,h,i)perylene	17.23	276	34612	2.542	ng	98

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

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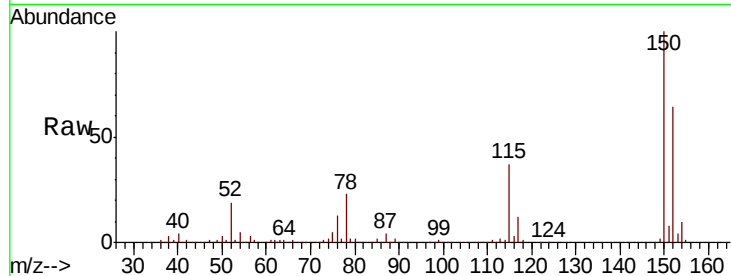


#1

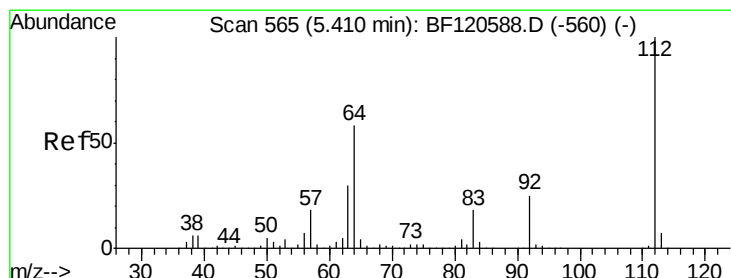
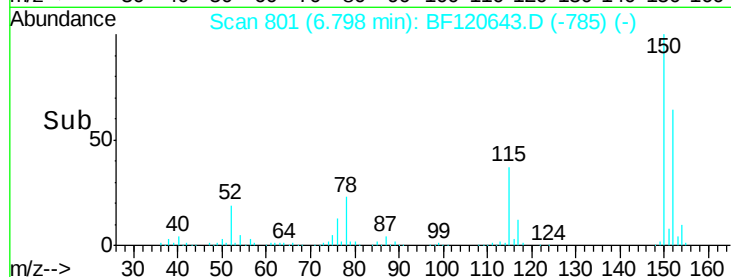
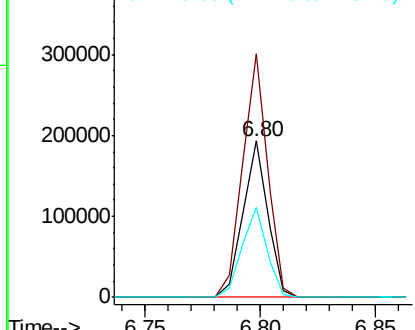
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF120643.D
Acq: 18 Jun 2020 15:46

Instrument :
BNA_F
ClientSampleId :
SU-04-061720

Tot Ion:152 Resp: 145731
Ion Ratio Lower Upper
152 100
150 155.9 123.2 184.8
115 57.4 43.9 65.9



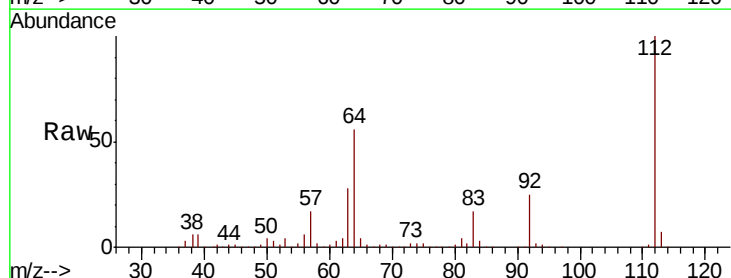
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



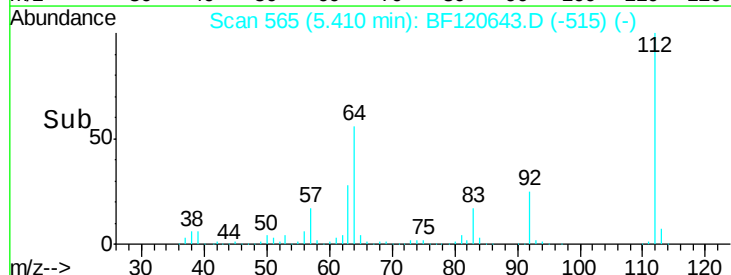
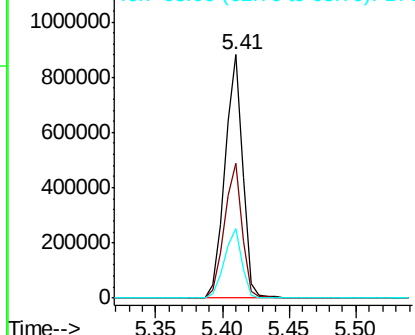
#5

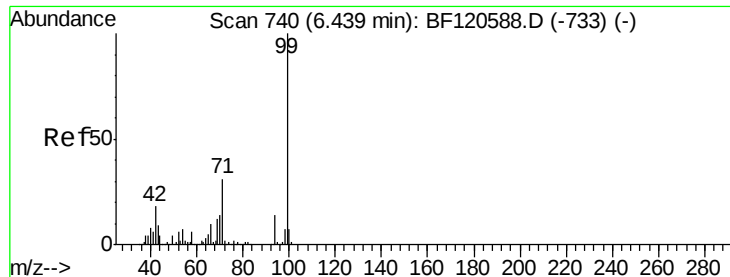
2-Fluorophenol
Concen: 98.062 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.01 min
Lab File: BF120643.D
Acq: 18 Jun 2020 15:46

Tgt Ion:112 Resp: 833541
Ion Ratio Lower Upper
112 100
64 55.6 46.1 69.1
63 28.4 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: 96.296 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF120643.D

Acq: 18 Jun 2020 15:46

Instrument :

BNA_F

ClientSampleId :

SU-04-061720

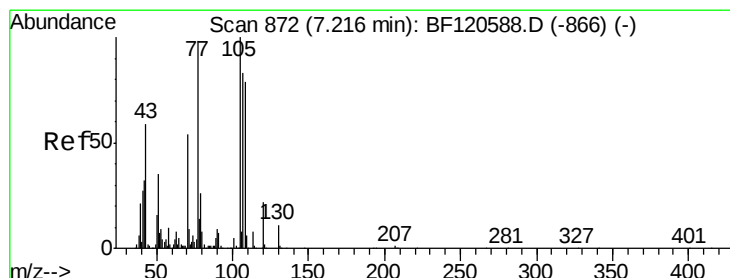
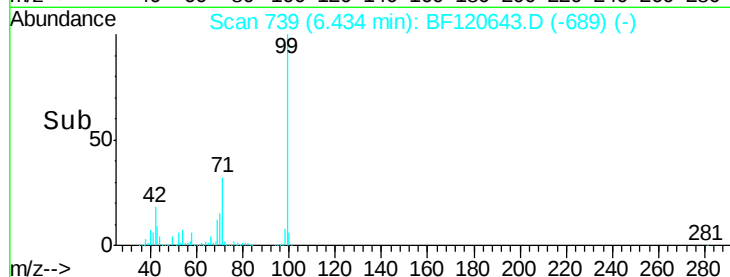
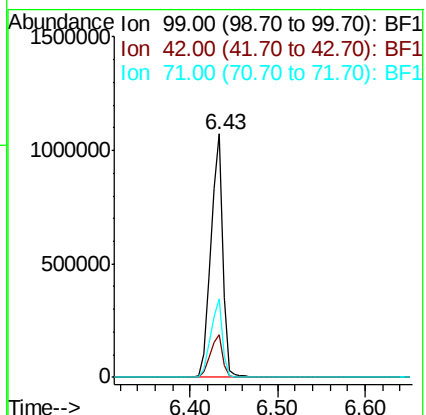
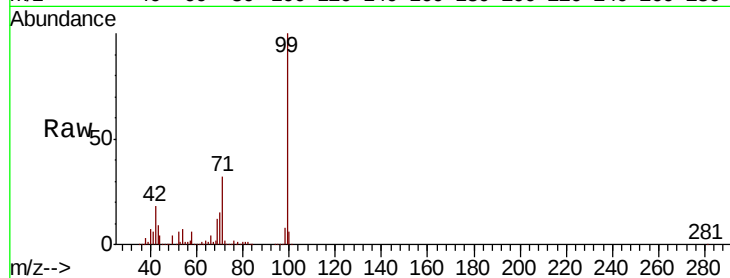
Tot Ion: 99 Resp: 1019474

Ion Ratio Lower Upper

99 100

42 17.7 14.0 21.0

71 32.0 24.9 37.3



#19

n-Nitroso-di-n-propylamine

Concen: 14.325 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.14 min

Lab File: BF120643.D

Acq: 18 Jun 2020 15:46

Tgt Ion: 70 Resp: 87972

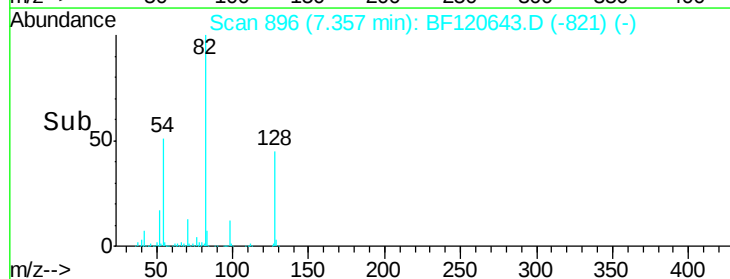
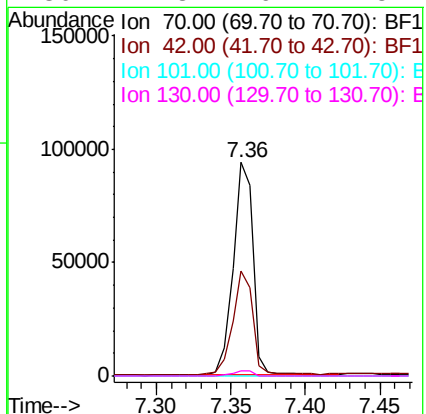
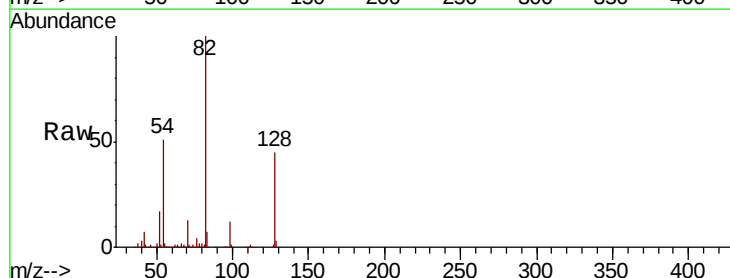
Ion Ratio Lower Upper

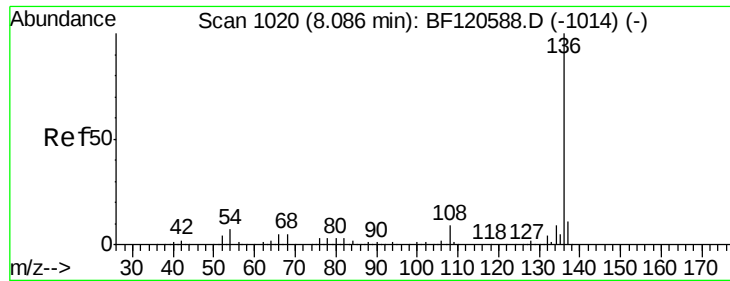
70 100

42 49.0 47.7 71.5

101 0.0 7.6 11.4#

130 2.3 16.7 25.1#

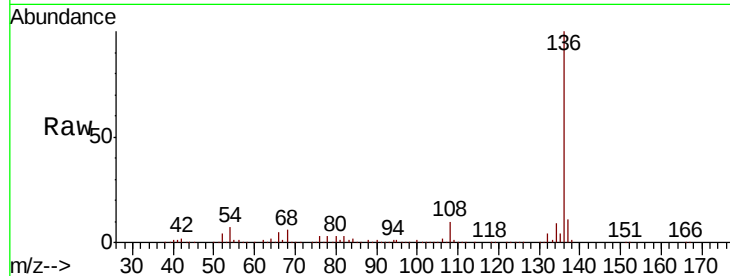




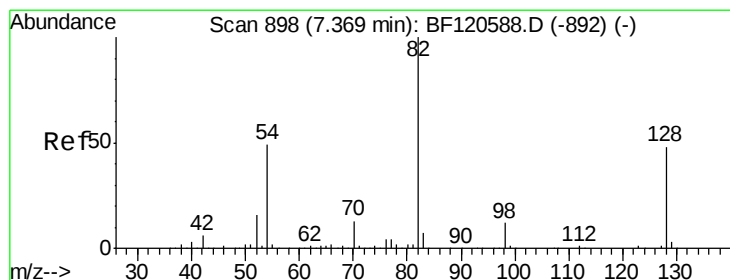
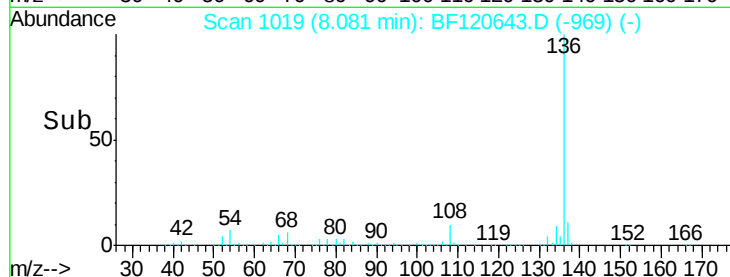
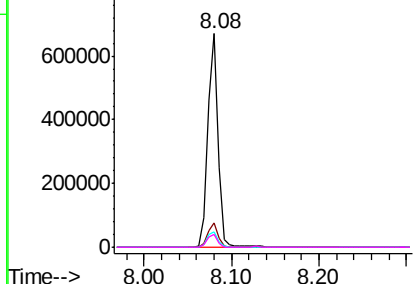
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF120643.D
Acq: 18 Jun 2020 15:46

Instrument :
BNA_F
ClientSampleId :
SU-04-061720

Tot Ion:136	Resp:	542885
Ion Ratio	Lower	Upper
136	100	
137	11.3	8.6 13.0
54	7.2	5.8 8.6
68	5.9	4.4 6.6

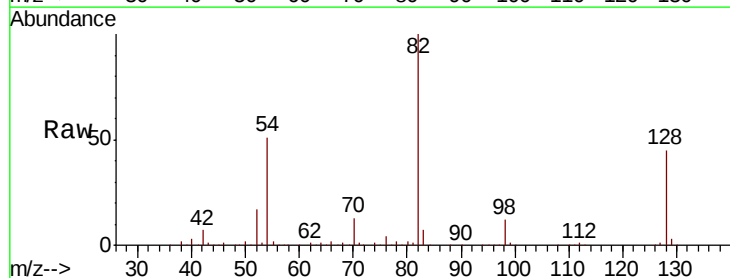


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

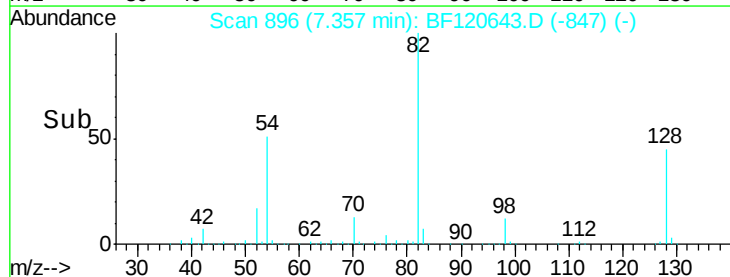
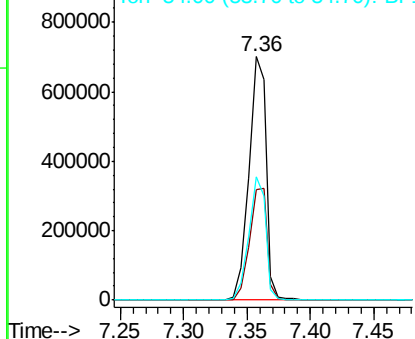


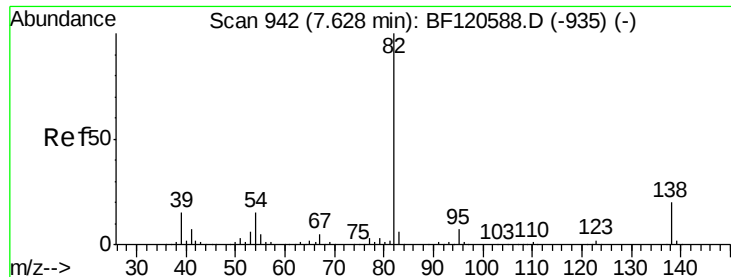
#23
Nitrobenzene-d5
Concen: 68.651 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF120643.D
Acq: 18 Jun 2020 15:46

Tgt Ion: 82	Resp:	666759
Ion Ratio	Lower	Upper
82	100	
128	45.5	38.0 57.0
54	50.8	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: 35.058 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.27 min

Lab File: BF120643.D

Acq: 18 Jun 2020 15:46

Instrument :

BNA_F

ClientSampleId :

SU-04-061720

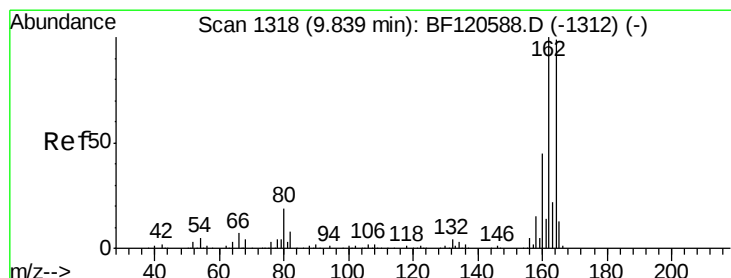
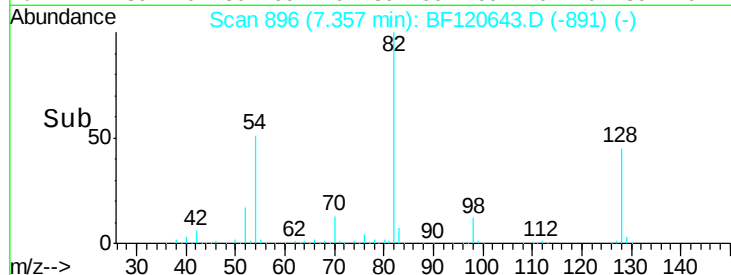
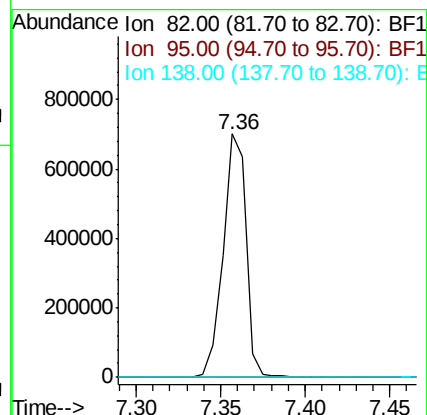
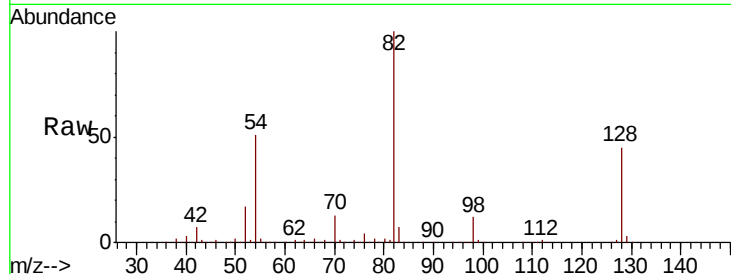
Tot Ion: 82 Resp: 663264

Ion Ratio Lower Upper

82 100

95 0.1 5.7 8.5#

138 0.0 16.2 24.4#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF120643.D

Acq: 18 Jun 2020 15:46

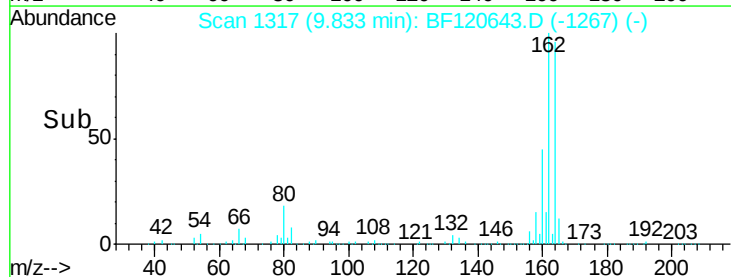
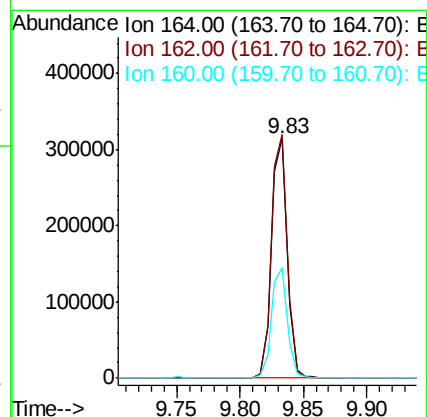
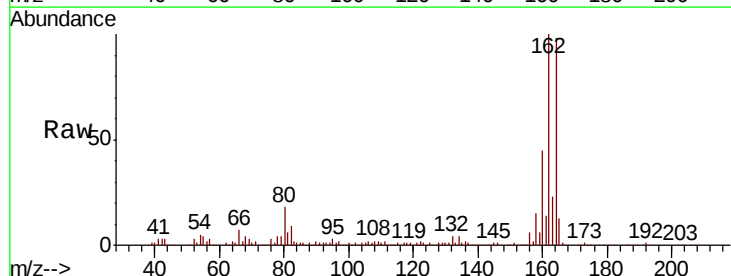
Tgt Ion:164 Resp: 272037

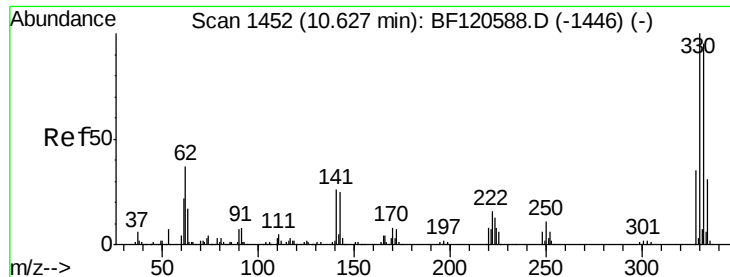
Ion Ratio Lower Upper

164 100

162 101.8 80.6 120.8

160 46.2 36.2 54.2

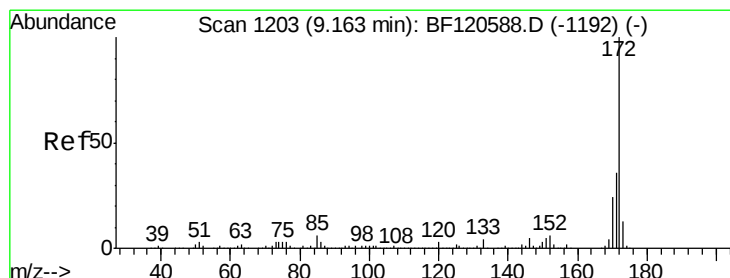
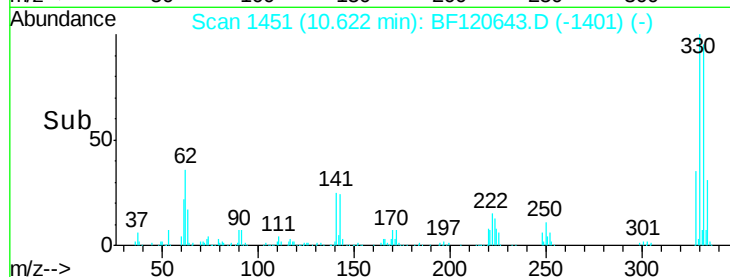
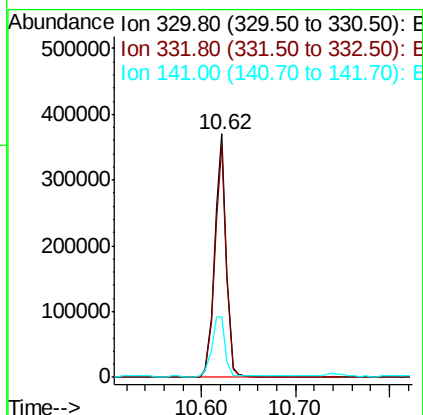
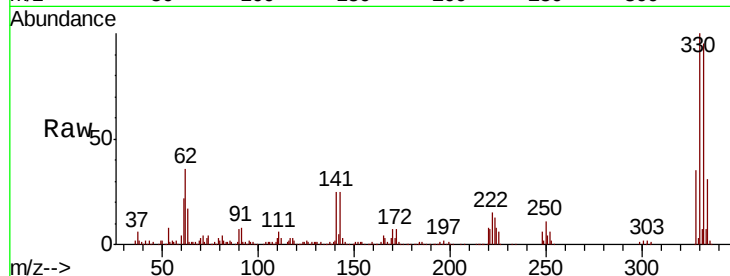




#42
 2,4,6-Tribromophenol
 Concen: 102.369 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.01 min
 Lab File: BF120643.D
 Acq: 18 Jun 2020 15:46

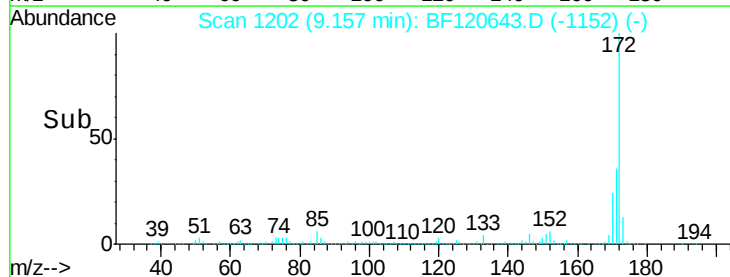
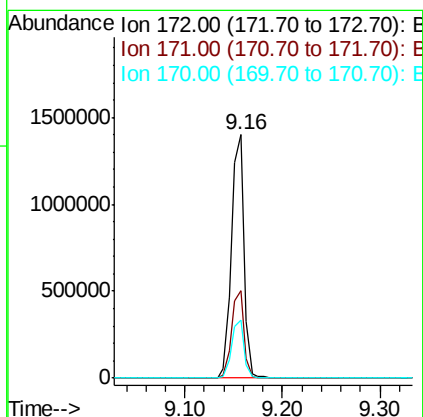
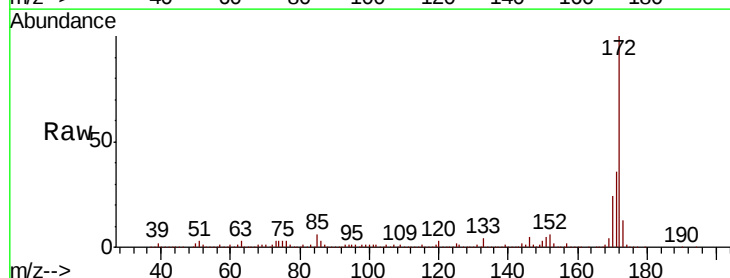
Instrument :
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 SU-04-061720

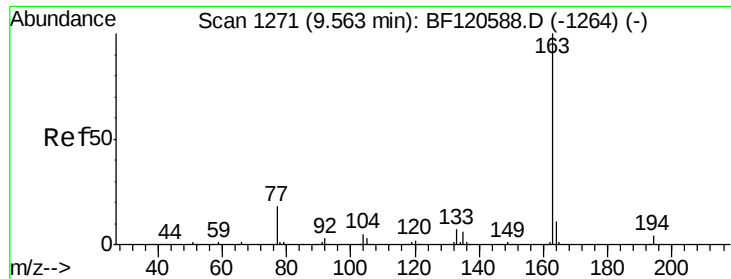
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.3	76.8	115.2
141	28.1	23.2	34.8



#45
 2-Fluorobiphenyl
 Concen: 70.639 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF120643.D
 Acq: 18 Jun 2020 15:46

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.0	43.4
170	24.1	19.4	29.2





#50

Dimethylphthalate

Concen: 6.181 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.02 min

Lab File: BF120643.D

Acq: 18 Jun 2020 15:46

Instrument :

BNA_F

ClientSampleId :

SU-04-061720

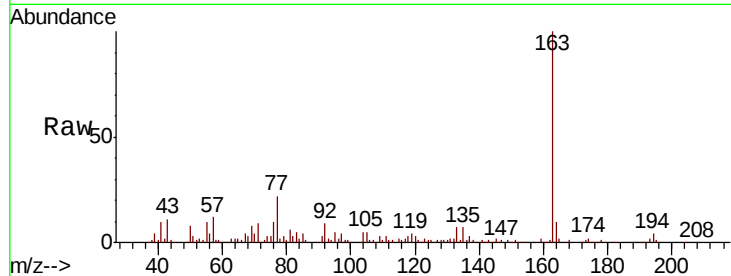
Tot Ion:163 Resp: 121109

Ion Ratio Lower Upper

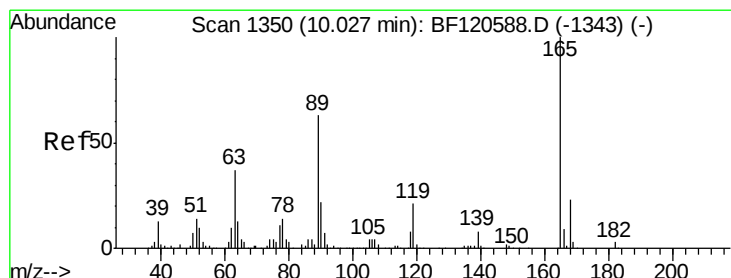
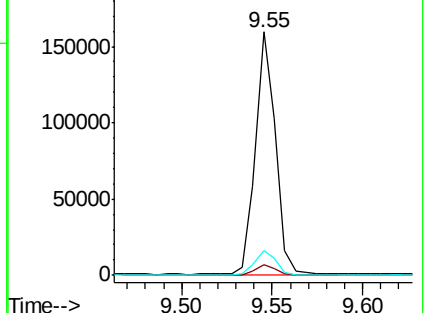
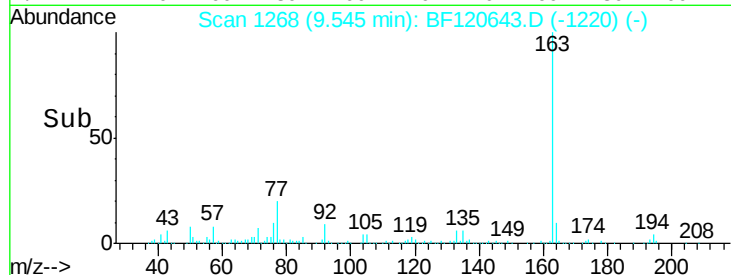
163 100

194 4.5 3.1 4.7

164 10.1 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



#57

2,4-Dinitrotoluene

Concen: 6.490 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.19 min

Lab File: BF120643.D

Acq: 18 Jun 2020 15:46

Tgt Ion:165 Resp: 38240

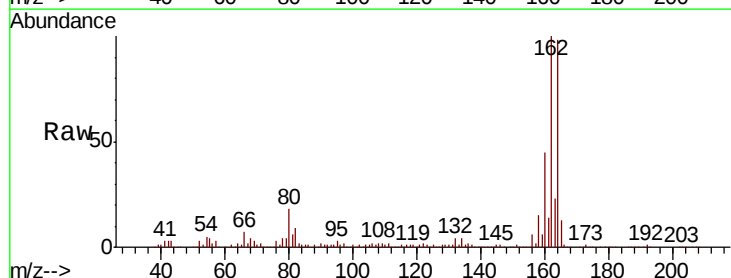
Ion Ratio Lower Upper

165 100

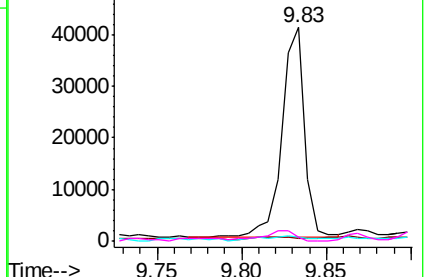
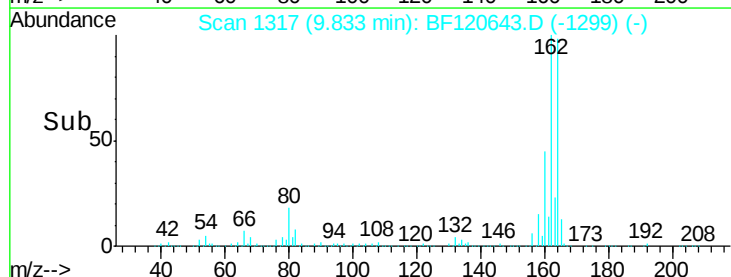
63 1.5 29.8 44.8#

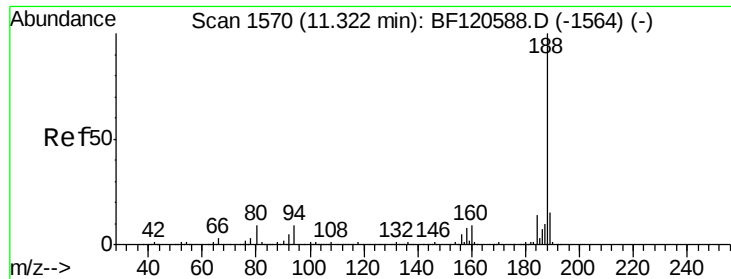
89 1.6 50.4 75.6#

182 1.6 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# 1569

Delta R.T. -0.01 min

Lab File: BF120643.D

Acq: 18 Jun 2020 15:46

Instrument :

BNA_F

ClientSampleId :

SU-04-061720

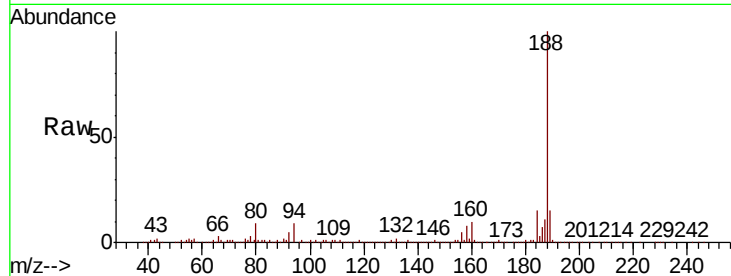
Tot Ion:188 Resp: 525015

Ion Ratio Lower Upper

188 100

94 8.9 7.2 10.8

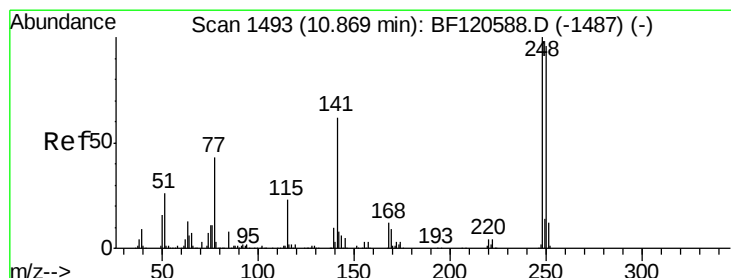
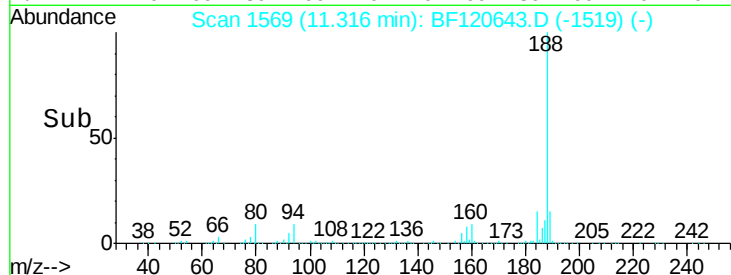
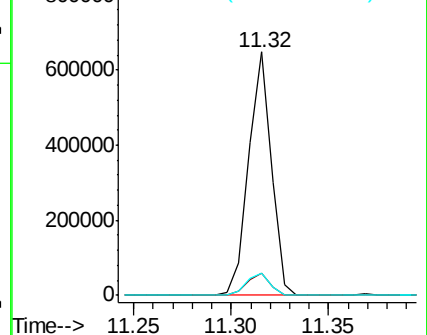
80 9.2 7.4 11.2



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



#67

4-Bromophenyl-phenylether

Concen: 3.153 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.25 min

Lab File: BF120643.D

Acq: 18 Jun 2020 15:46

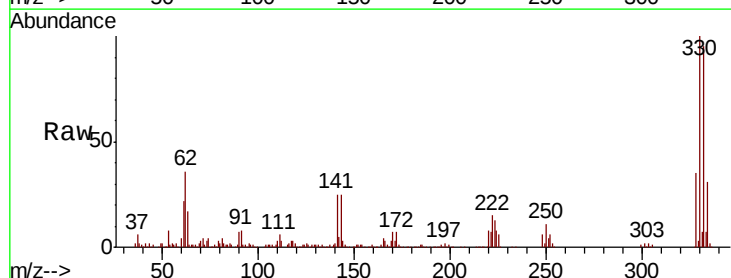
Tgt Ion:248 Resp: 18788

Ion Ratio Lower Upper

248 100

250 202.0 76.7 115.1#

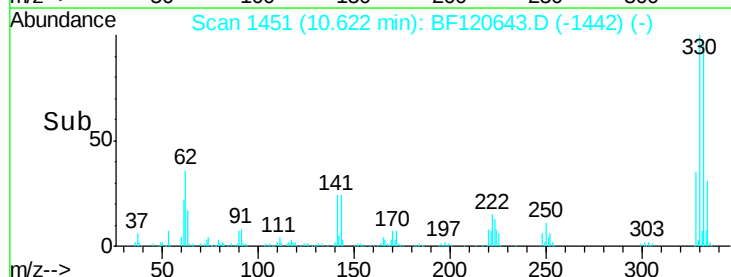
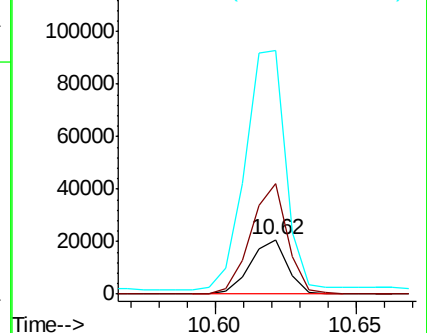
141 444.7 49.4 74.0#

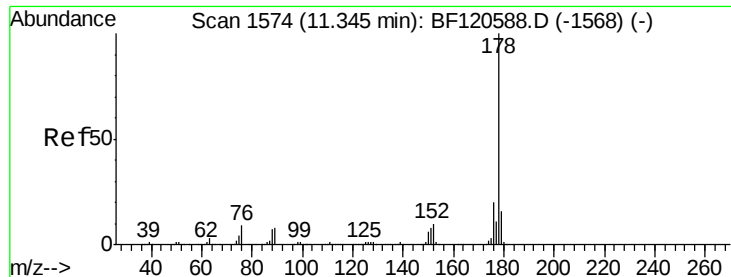


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 2.798 ng

RT: 11.34 min Scan# 1573

Delta R.T. -0.01 min

Lab File: BF120643.D

Acq: 18 Jun 2020 15:46

Instrument :

BNA_F

ClientSampleId :

SU-04-061720

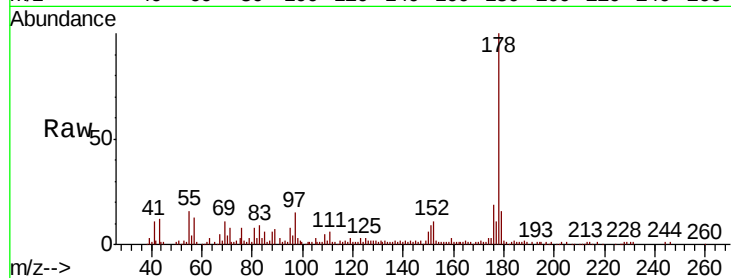
Tot Ion:178 Resp: 73014

Ion Ratio Lower Upper

178 100

176 18.7 15.9 23.9

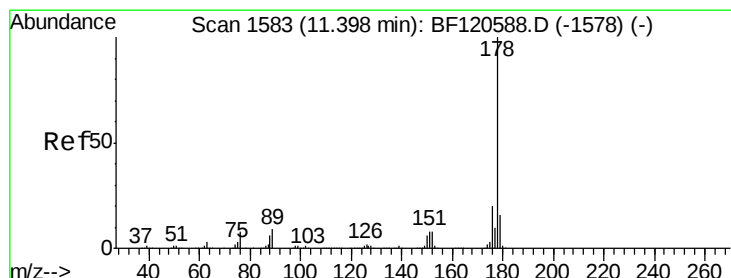
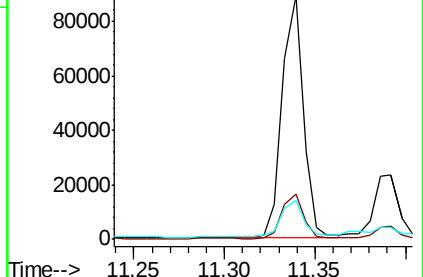
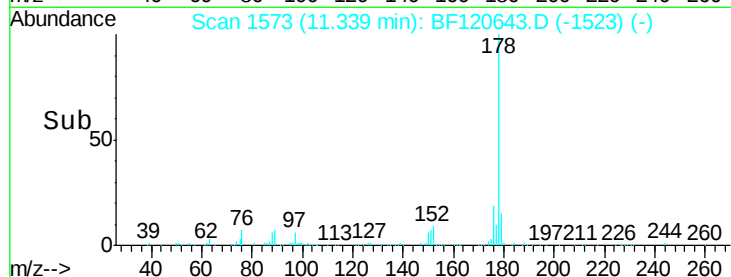
179 15.9 12.8 19.2



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



#72

Anthracene

Concen: 2.776 ng

RT: 11.34 min Scan# 1573

Delta R.T. -0.06 min

Lab File: BF120643.D

Acq: 18 Jun 2020 15:46

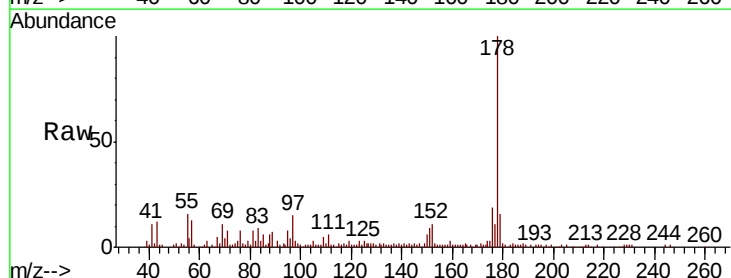
Tgt Ion:178 Resp: 73014

Ion Ratio Lower Upper

178 100

176 18.7 15.6 23.4

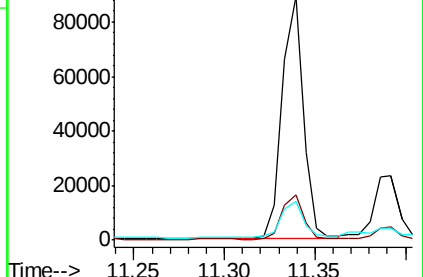
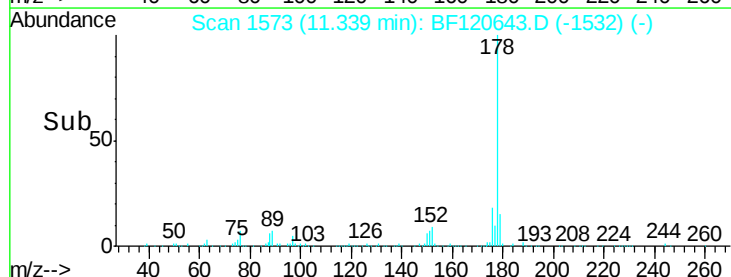
179 15.9 12.9 19.3

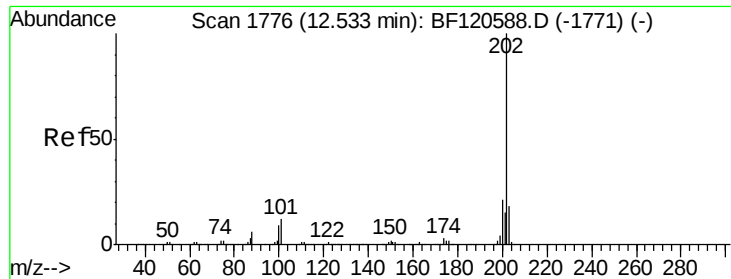


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 6.238 ng

RT: 12.53 min Scan# 1775

Delta R.T. -0.01 min

Lab File: BF120643.D

Acq: 18 Jun 2020 15:46

Instrument :

BNA_F

ClientSampleId :

SU-04-061720

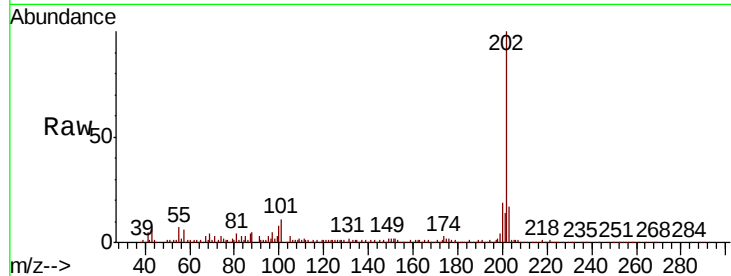
Tot Ion:202 Resp: 186134

Ion Ratio Lower Upper

202 100

101 11.0 0.0 32.0

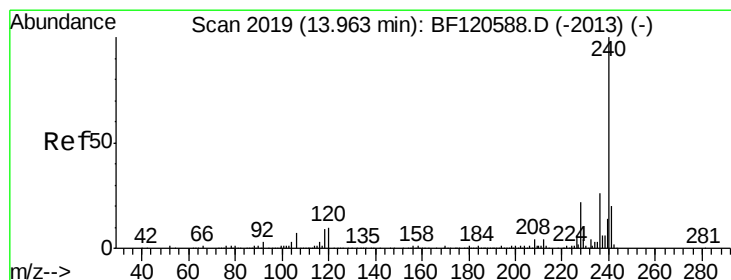
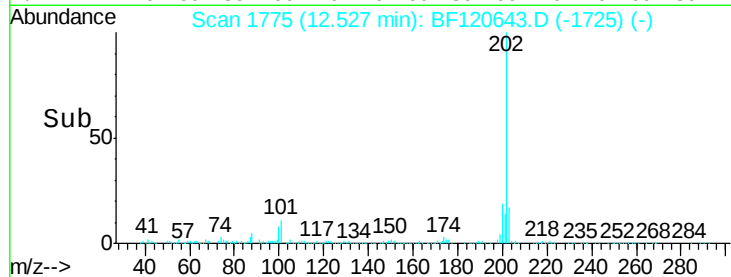
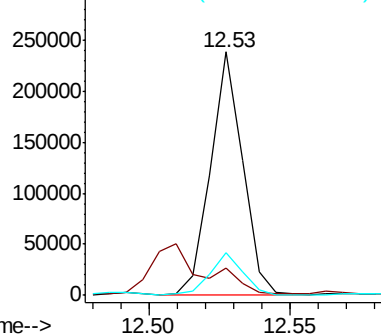
203 17.3 0.0 38.3



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: 13.95 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BF120643.D

Acq: 18 Jun 2020 15:46

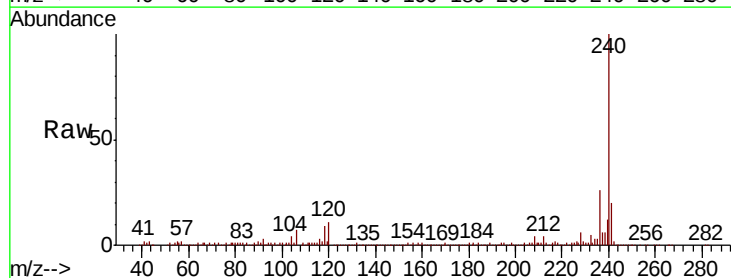
Tgt Ion:240 Resp: 263844

Ion Ratio Lower Upper

240 100

120 10.7 8.3 12.5

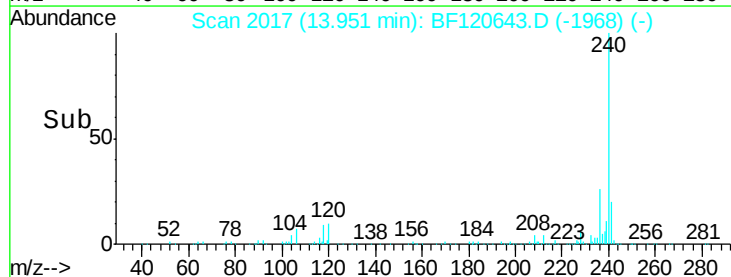
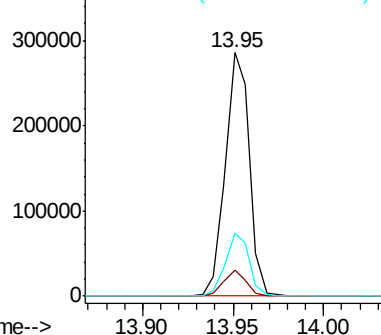
236 25.7 21.0 31.4

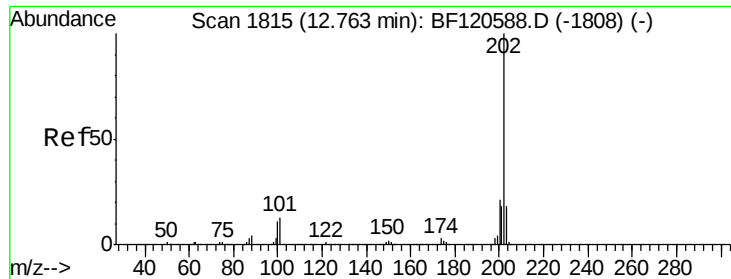


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

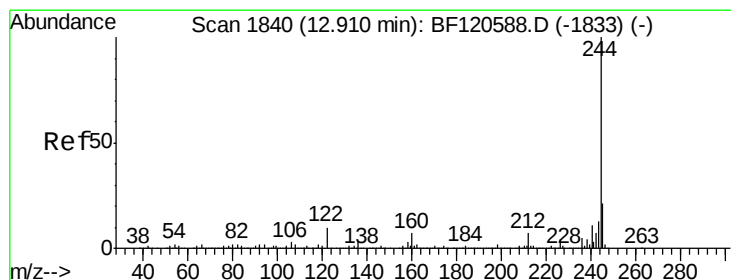
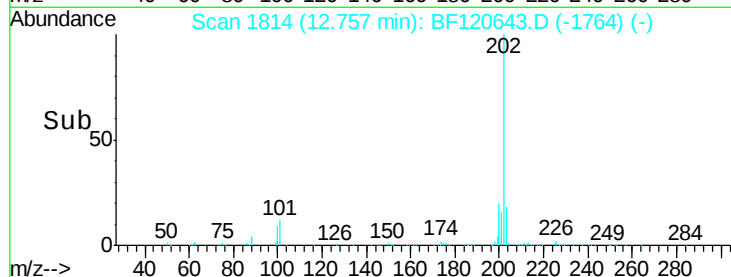
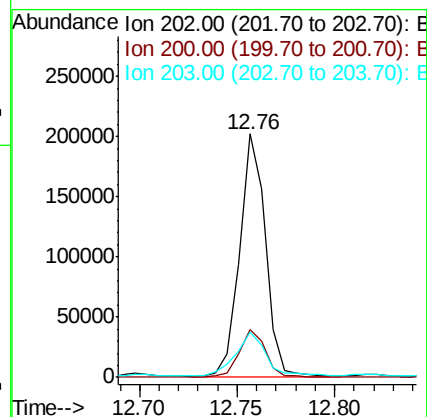
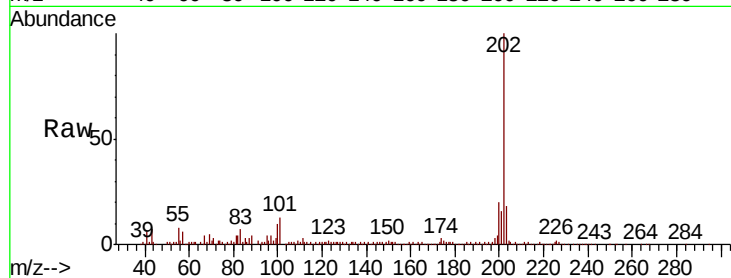




#78
Pvrene
Concen: 9.886 ng
RT: 12.76 min Scan# 1814
Delta R.T. -0.01 min
Lab File: BF120643.D
Acq: 18 Jun 2020 15:46

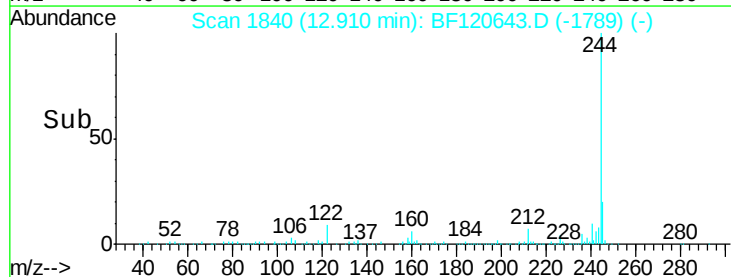
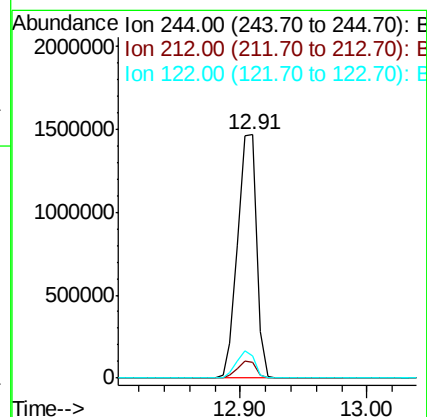
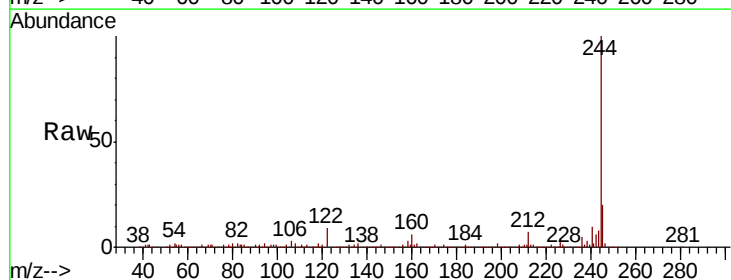
Instrument :
BNA_F
ClientSampleId :
SU-04-061720

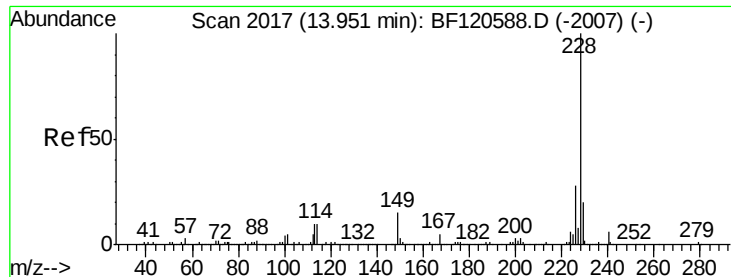
Tot Ion:202 Resp: 184788
Ion Ratio Lower Upper
202 100
200 19.9 16.8 25.2
203 18.4 14.3 21.5



#79
Terphenyl-d14
Concen: 126.002 ng
RT: 12.91 min Scan# 1840
Delta R.T. 0.00 min
Lab File: BF120643.D
Acq: 18 Jun 2020 15:46

Tgt Ion:244 Resp: 1505060
Ion Ratio Lower Upper
244 100
212 6.6 5.7 8.5
122 9.3 8.3 12.5





#81

Benzo(a)anthracene

Concen: 3.246 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF120643.D

Acq: 18 Jun 2020 15:46

Instrument :

BNA_F

ClientSampleId :

SU-04-061720

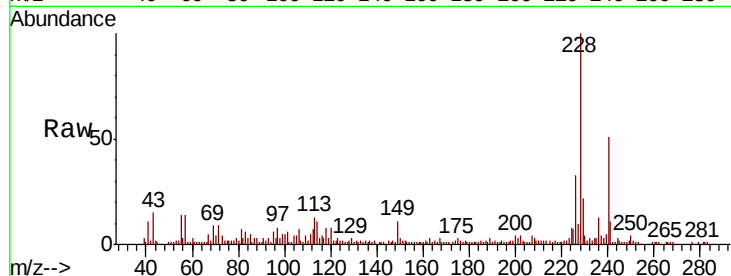
Tot Ion:228 Resp: 51454

Ion Ratio Lower Upper

228 100

226 32.7 22.5 33.7

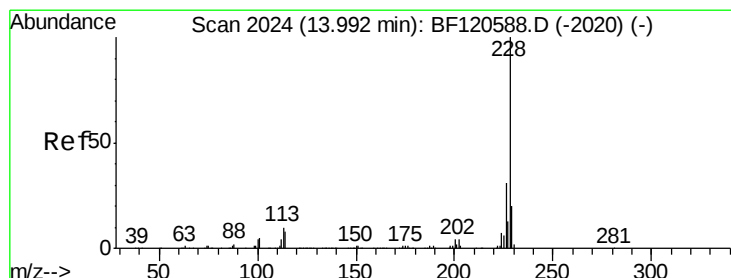
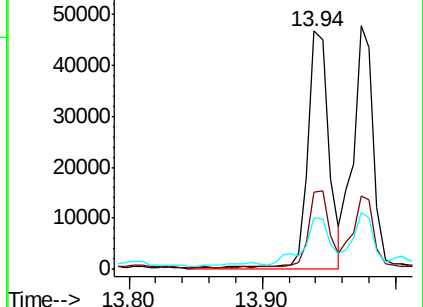
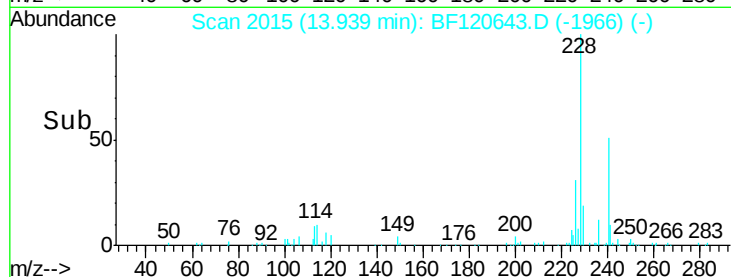
229 21.5 16.1 24.1



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: 3.112 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF120643.D

Acq: 18 Jun 2020 15:46

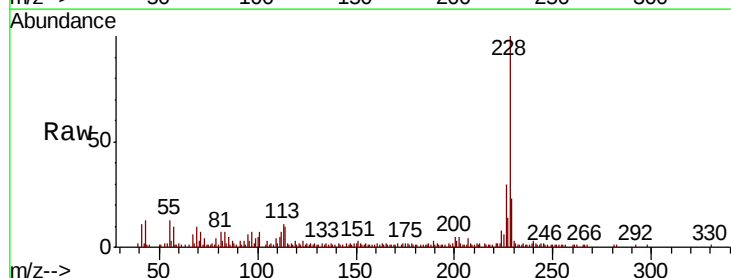
Tgt Ion:228 Resp: 50596

Ion Ratio Lower Upper

228 100

226 30.3 24.9 37.3

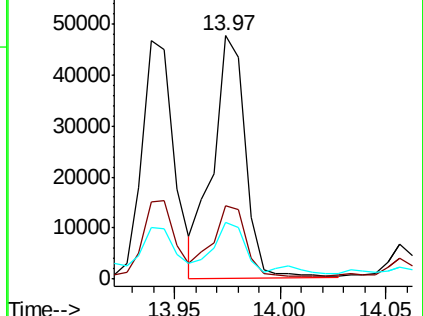
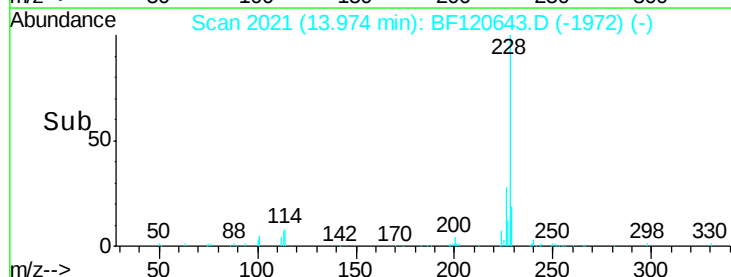
229 23.3 16.1 24.1

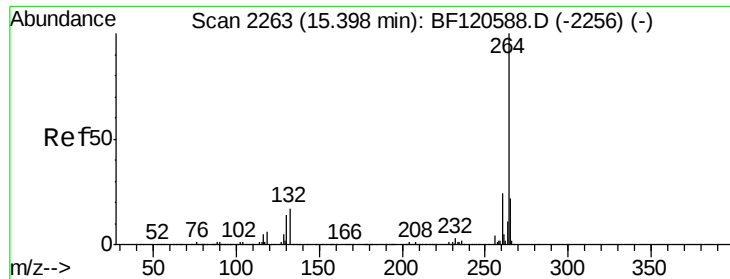


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



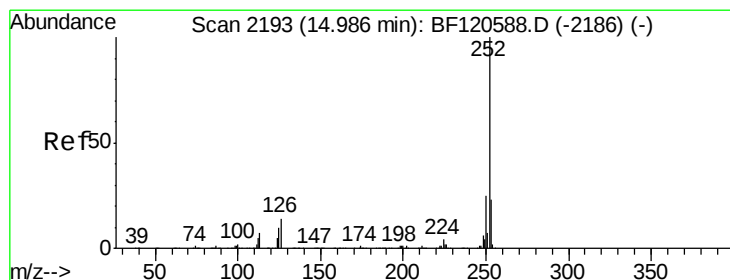
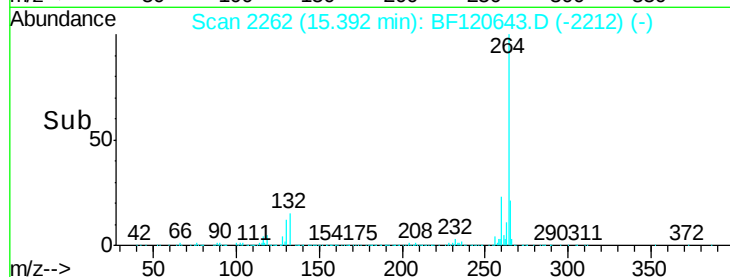
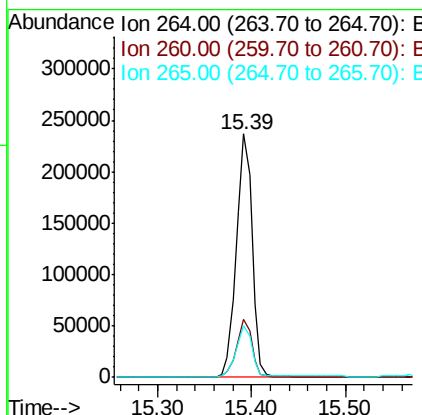
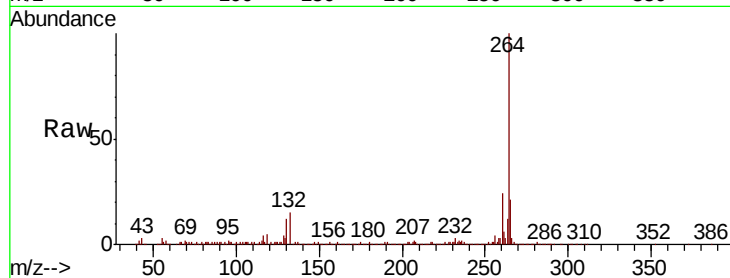


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2262
Delta R.T. -0.01 min
Lab File: BF120643.D
Acq: 18 Jun 2020 15:46

Instrument :
BNA_F
ClientSampleId :
SU-04-061720

Tot Ion:264 Resp: 276961

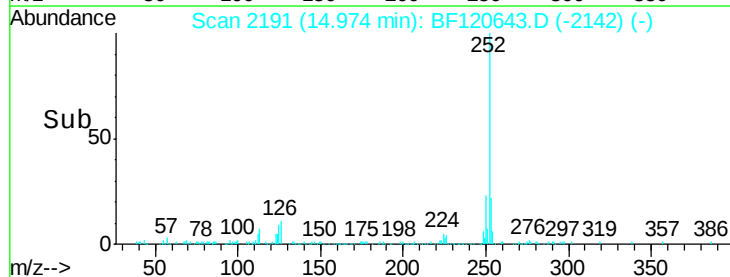
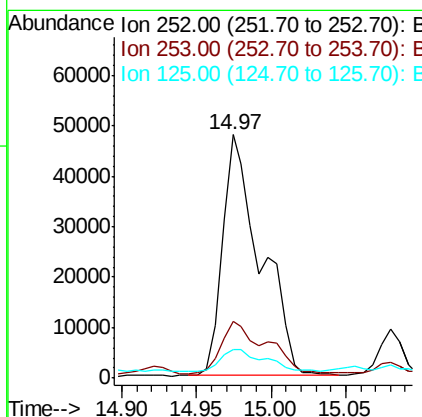
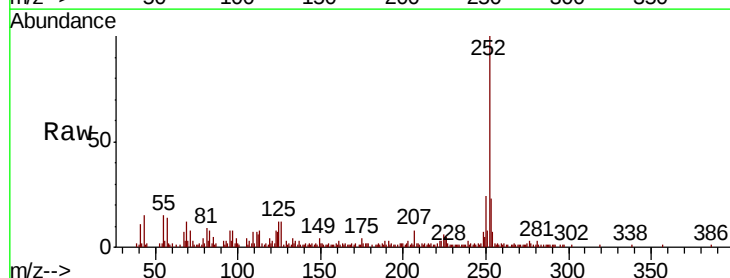
Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.3	28.9
265	21.3	17.8	26.8

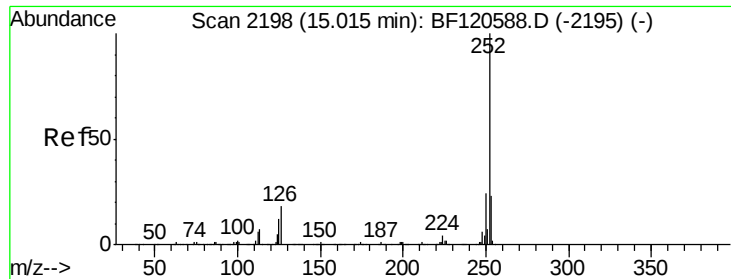


#88
Benzo(b)fluoranthene
Concen: 5.167 ng
RT: 14.97 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BF120643.D
Acq: 18 Jun 2020 15:46

Tgt Ion:252 Resp: 85248

Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.1	27.1
125	11.6	8.3	12.5

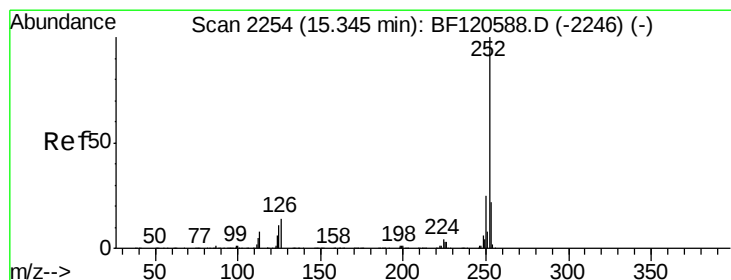
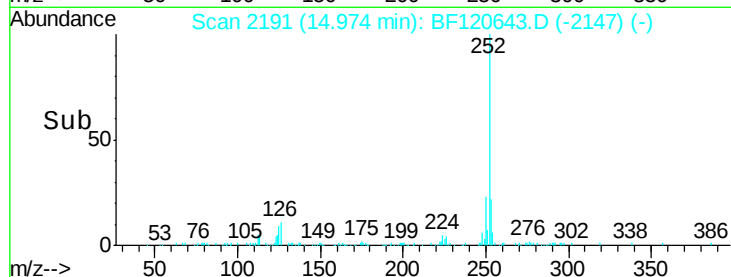
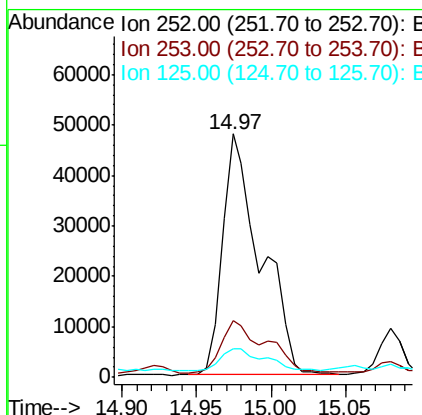
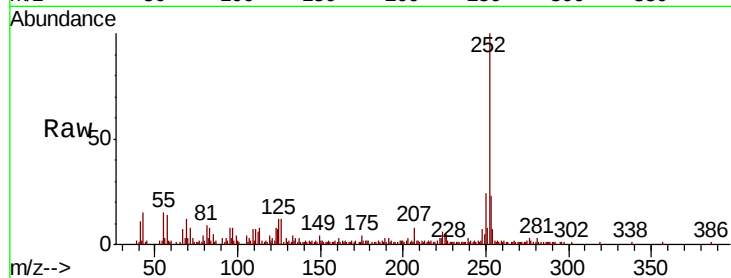




#89
Benzo(k)fluoranthene
Concen: 5.840 ng
RT: 14.97 min Scan# 2191
Delta R.T. -0.04 min
Lab File: BF120643.D
Acq: 18 Jun 2020 15:46

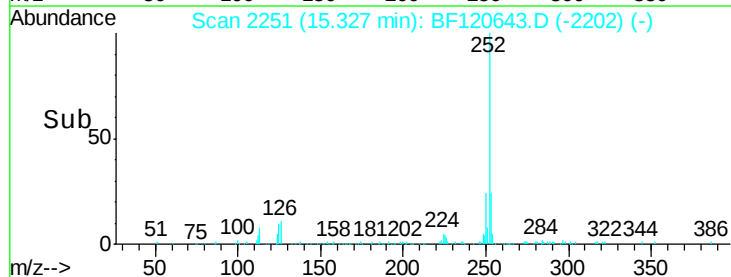
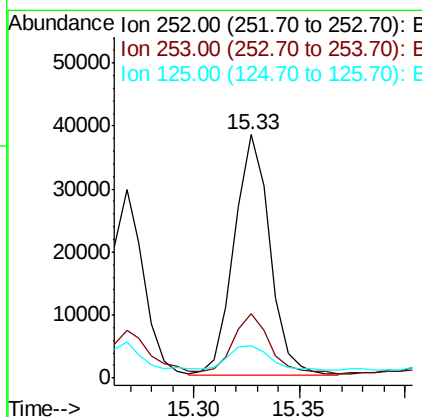
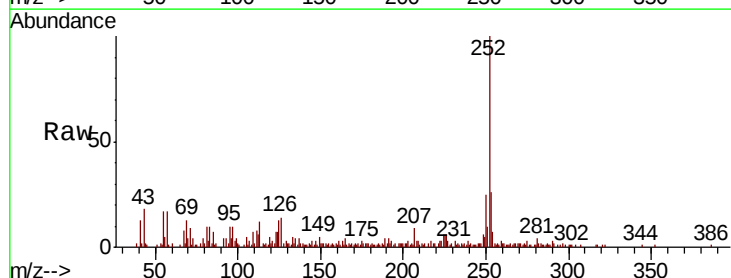
Instrument :
BNA_F
ClientSampleId :
SU-04-061720

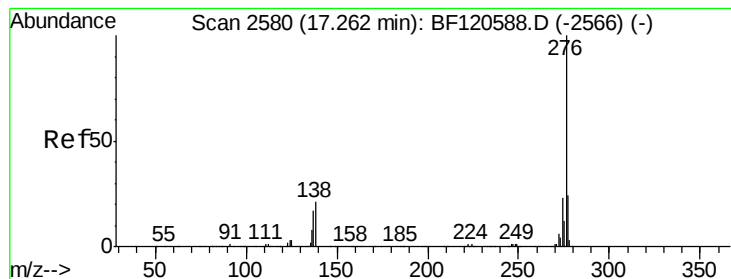
Tot Ion:252 Resp: 85248
Ion Ratio Lower Upper
252 100
253 23.4 18.0 27.0
125 11.6 8.3 12.5



#90
Benzo(a)pyrene
Concen: 3.003 ng
RT: 15.33 min Scan# 2251
Delta R.T. -0.01 min
Lab File: BF120643.D
Acq: 18 Jun 2020 15:46

Tgt Ion:252 Resp: 44345
Ion Ratio Lower Upper
252 100
253 26.3 17.8 26.8
125 13.4 8.6 12.8#





#92

Benzo(a,h,i)perylene

Concen: 2.542 ng

RT: 17.23 min Scan# 2575

Delta R.T. -0.02 min

Lab File: BF120643.D

Acq: 18 Jun 2020 15:46

Instrument :

BNA_F

ClientSampleId :

SU-04-061720

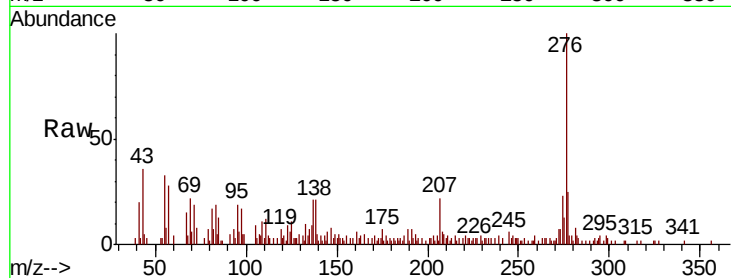
Tot Ion: 276 Resp: 34612

Ion Ratio Lower Upper

276 100

277 25.4 19.6 29.4

138 21.3 16.5 24.7



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

