

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061820\
 Data File : BF120655.D
 Acq On : 18 Jun 2020 21:26
 Operator : JU/CG
 Sample : L2812-06 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-061720

Quant Time: Jun 19 01:13:03 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	148214	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	556086	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	275567	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	516387	20.00	ng	0.00
76) Chrysene-d12	13.96	240	411931	20.00	ng	0.00
86) Perylene-d12	15.41	264	341518	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	260410	30.12	ng	0.00
7) Phenol-d6	6.44	99	323475	30.04	ng	0.00
23) Nitrobenzene-d5	7.36	82	180971	18.19	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	90990	28.40	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	420654	23.36	ng	0.00
79) Terphenyl-d14	12.90	244	481441	25.82	ng	0.00

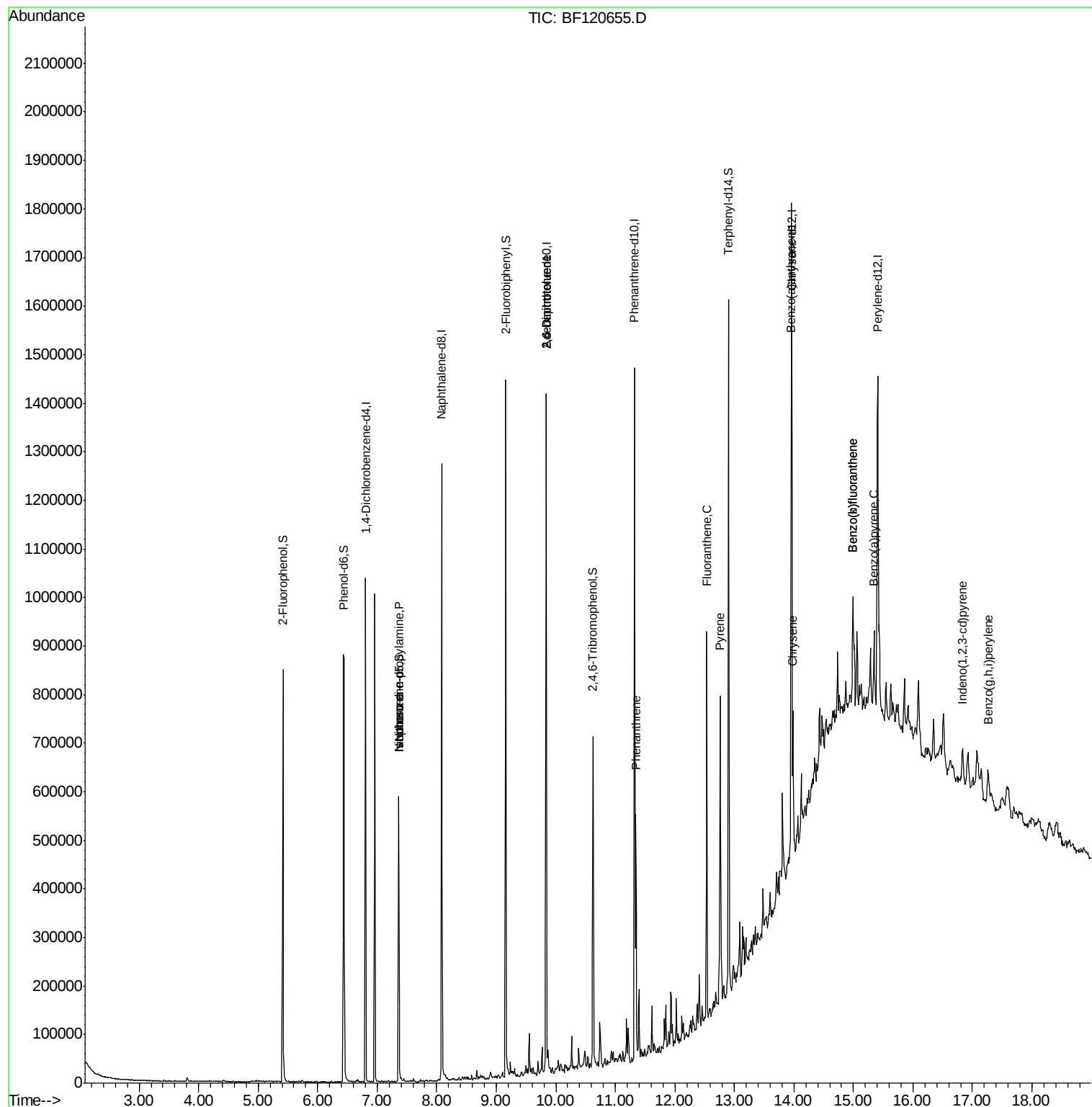
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.36	70	22852	3.659	ng	# 79
25) Isophorone	7.36	82	180969	9.338	ng	# 62
51) 2,6-Dinitrotoluene	9.84	165	36661	8.151	ng	# 27
57) 2,4-Dinitrotoluene	9.84	165	36661	6.143	ng	# 29
71) Phenanthrene	11.35	178	164494	6.408	ng	98
75) Fluoranthene	12.53	202	308963	10.527	ng	99
78) Pyrene	12.76	202	253695	8.694	ng	98
81) Benzo(a)anthracene	13.95	228	134774	5.446	ng	99
83) Chrysene	13.99	228	112804	4.444	ng	96
87) Indeno(1,2,3-cd)pyrene	16.83	276	43832	2.110	ng	97
88) Benzo(b)fluoranthene	14.99	252	156650	7.700	ng	# 89
89) Benzo(k)fluoranthene	14.99	252	156650	8.702	ng	# 89
90) Benzo(a)pyrene	15.34	252	78569	4.315	ng	# 89
92) Benzo(a,h,i)perylene	17.26	276	41560	2.475	ng	93

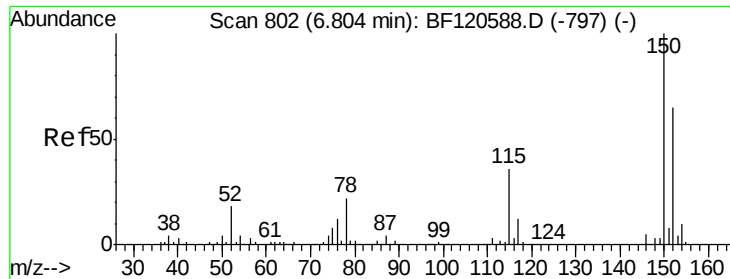
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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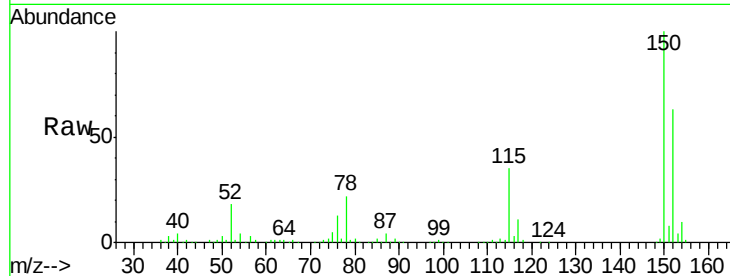


#1

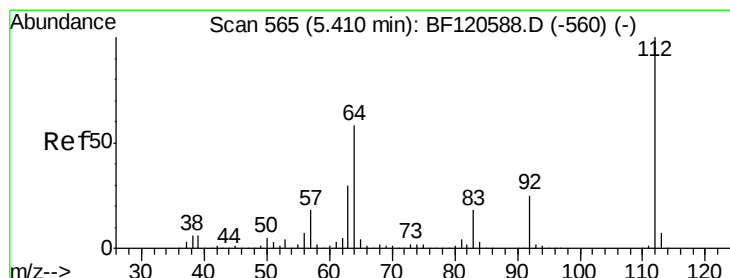
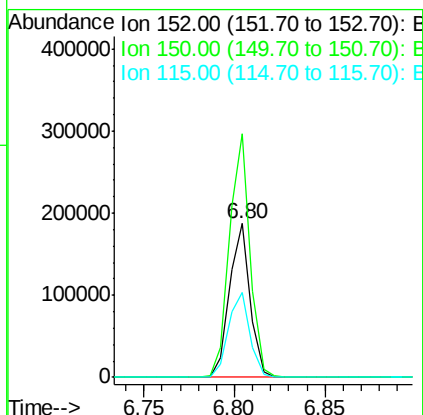
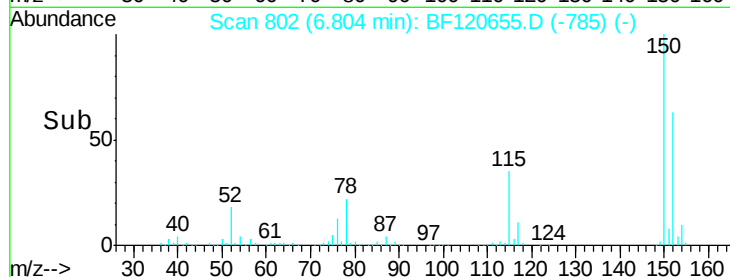
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF120655.D
Acq: 18 Jun 2020 21:26

Instrument :
BNA_F
ClientSampleId :
OK-03-061720

Tot Ion:152 Resp: 148214
Ion Ratio Lower Upper
152 100
150 158.6 123.2 184.8
115 55.5 43.9 65.9



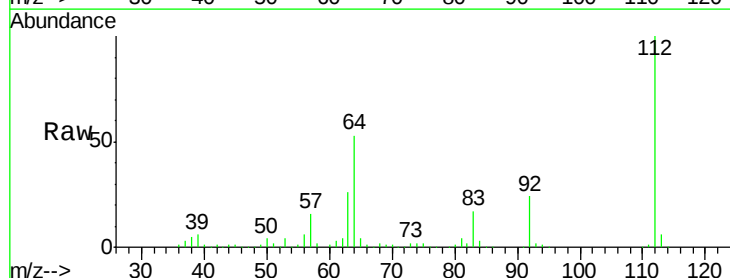
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



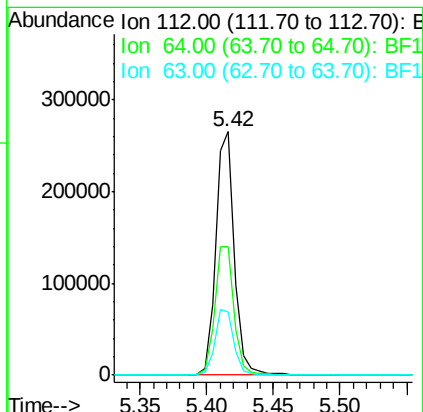
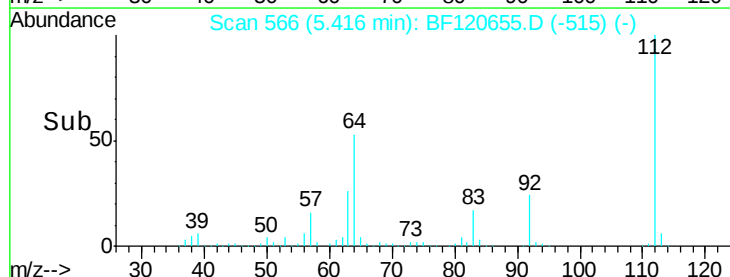
#5

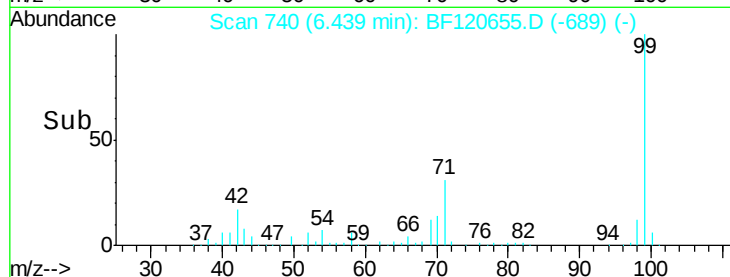
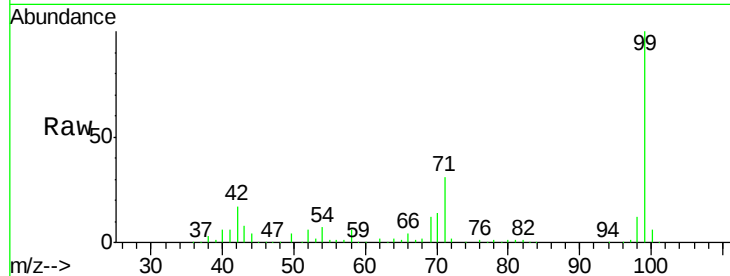
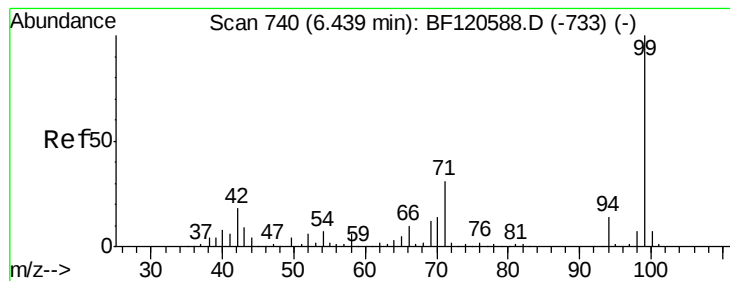
2-Fluorophenol
Concen: 30.123 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.00 min
Lab File: BF120655.D
Acq: 18 Jun 2020 21:26

Tgt Ion:112 Resp: 260410
Ion Ratio Lower Upper
112 100
64 53.0 46.1 69.1
63 26.2 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: 30.042 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF120655.D

Acq: 18 Jun 2020 21:26

Instrument :

BNA_F

ClientSampleId :

OK-03-061720

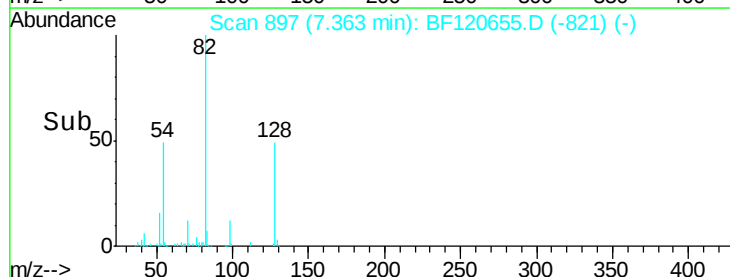
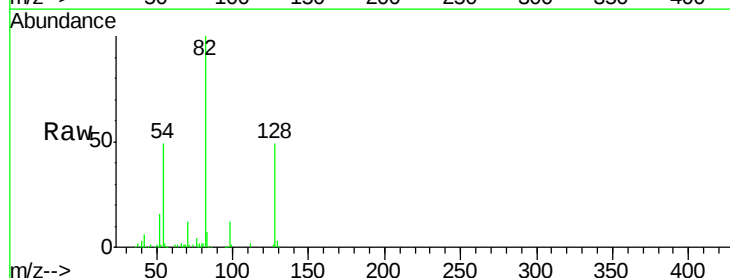
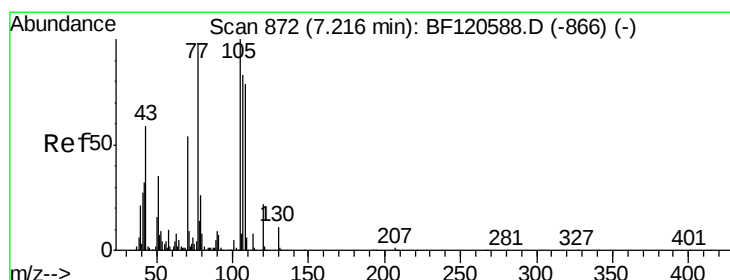
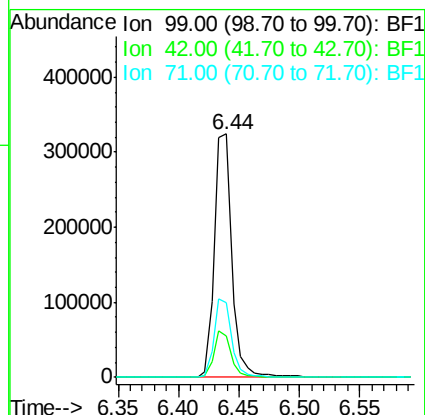
Tot Ion: 99 Resp: 323475

Ion Ratio Lower Upper

99 100

42 17.1 14.0 21.0

71 30.7 24.9 37.3



#19

n-Nitroso-di-n-propylamine

Concen: 3.659 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.15 min

Lab File: BF120655.D

Acq: 18 Jun 2020 21:26

Tgt Ion: 70 Resp: 22852

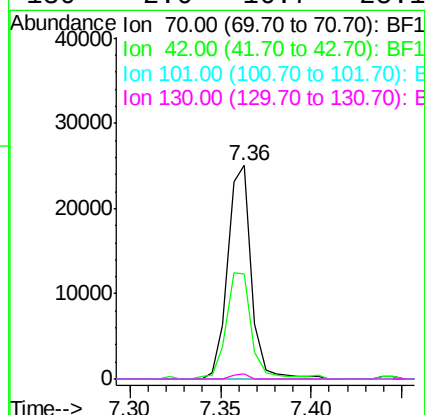
Ion Ratio Lower Upper

70 100

42 49.4 47.7 71.5

101 0.0 7.6 11.4#

130 2.6 16.7 25.1#

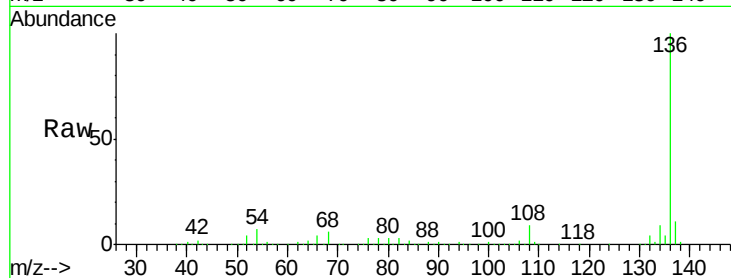




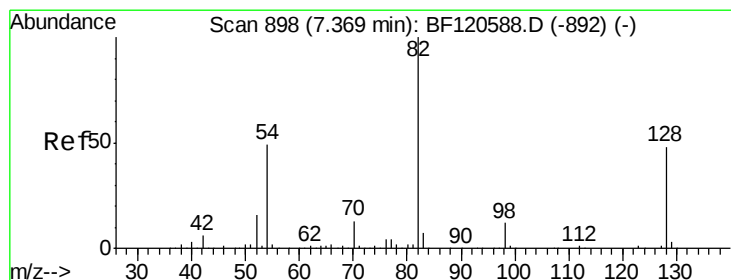
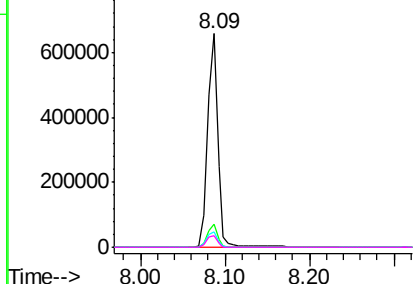
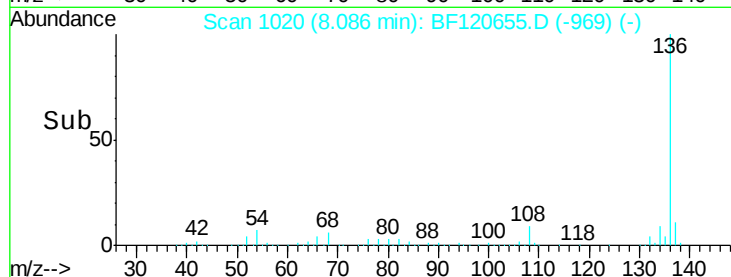
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. 0.00 min
Lab File: BF120655.D
Acq: 18 Jun 2020 21:26

Instrument :
BNA_F
ClientSampleId :
OK-03-061720

Tot Ion:136	Resp:	556086
Ion	Ratio	Lower Upper
136	100	
137	10.9	8.6 13.0
54	7.3	5.8 8.6
68	5.5	4.4 6.6

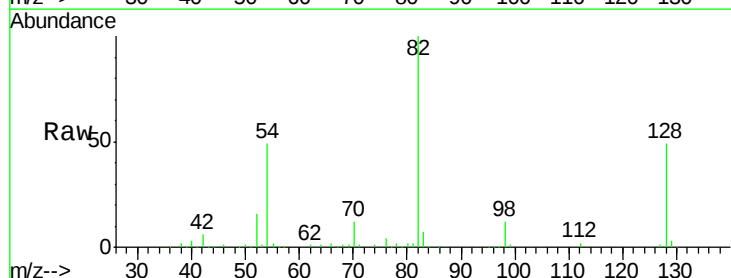


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

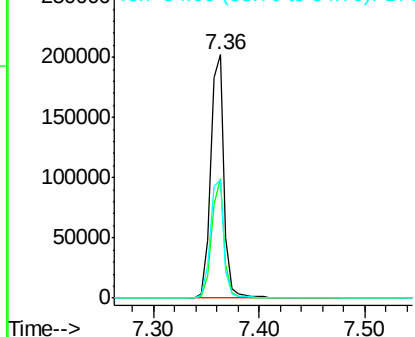
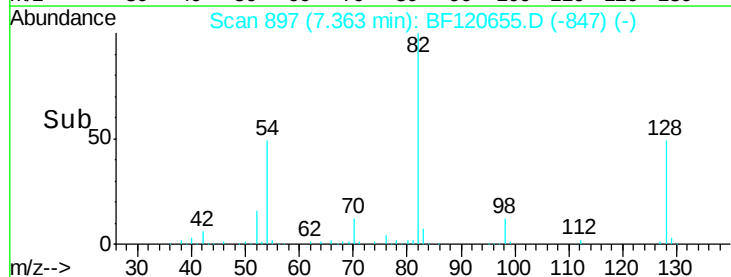


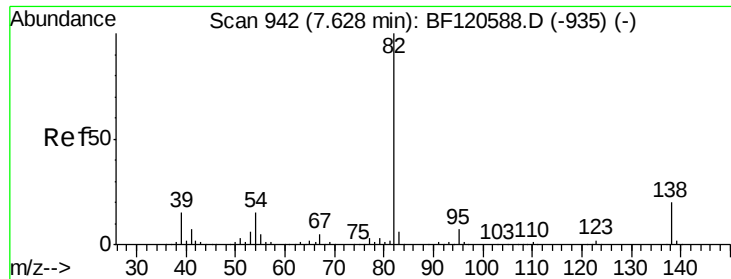
#23
Nitrobenzene-d5
Concen: 18.191 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF120655.D
Acq: 18 Jun 2020 21:26

Tgt Ion: 82	Resp:	180971
Ion	Ratio	Lower Upper
82	100	
128	48.8	38.0 57.0
54	48.7	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: 9.338 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.26 min

Lab File: BF120655.D

Acq: 18 Jun 2020 21:26

Instrument :

BNA_F

ClientSampleId :

OK-03-061720

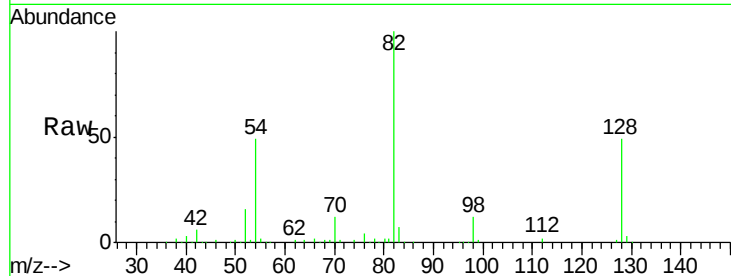
Tot Ion: 82 Resp: 180969

Ion Ratio Lower Upper

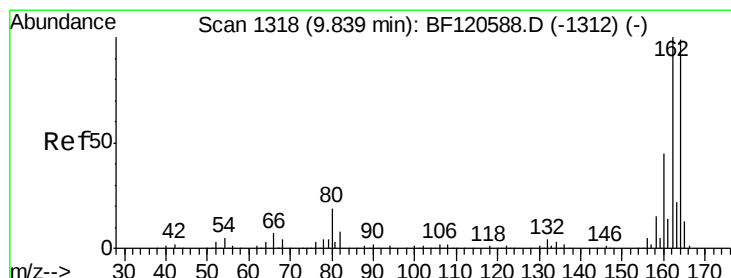
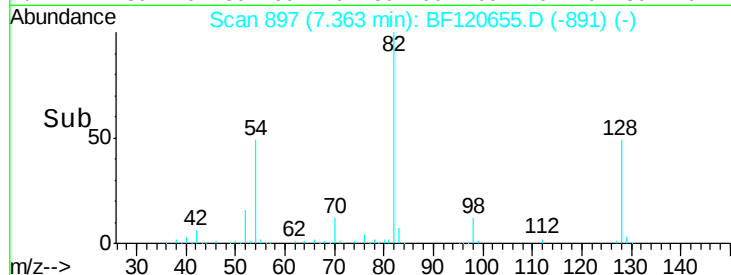
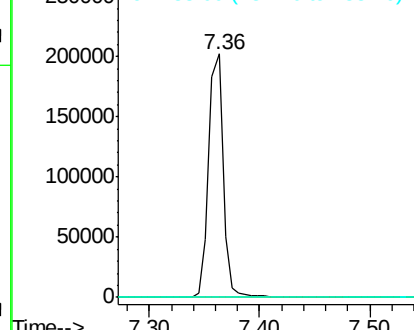
82 100

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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.00 min

Lab File: BF120655.D

Acq: 18 Jun 2020 21:26

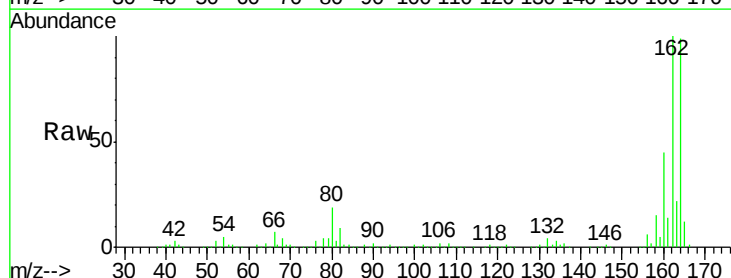
Tgt Ion: 164 Resp: 275567

Ion Ratio Lower Upper

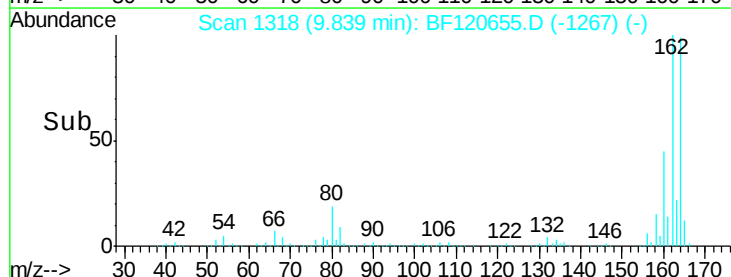
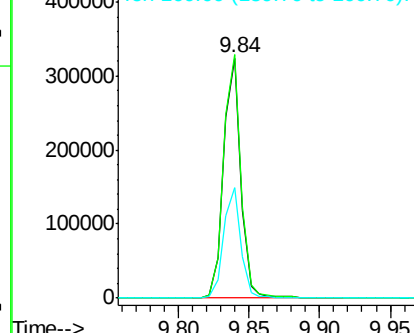
164 100

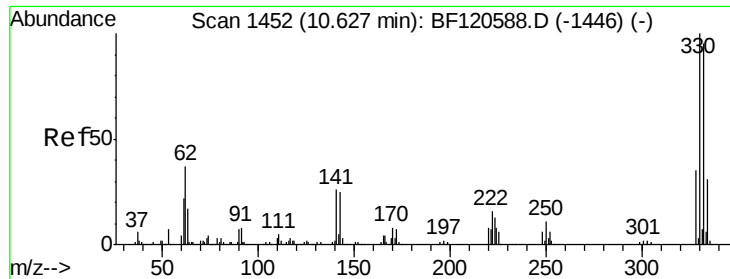
162 101.4 80.6 120.8

160 45.8 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

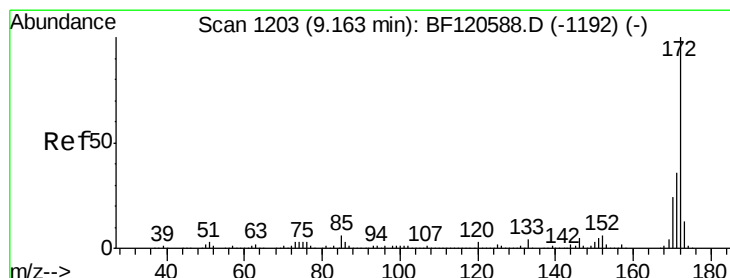
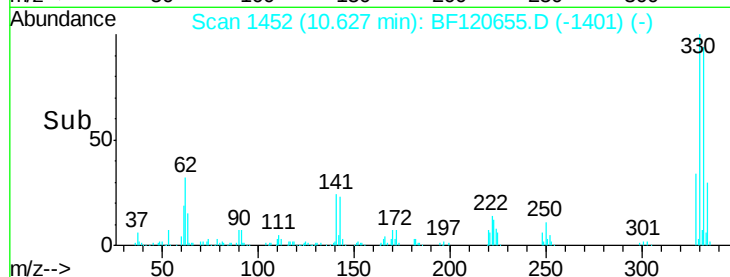
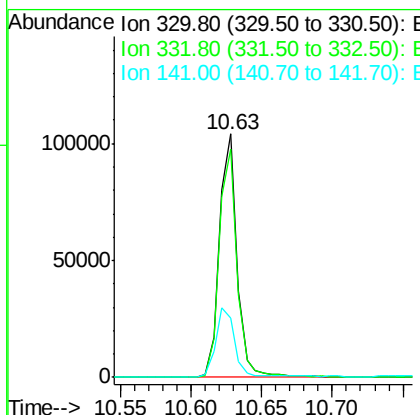
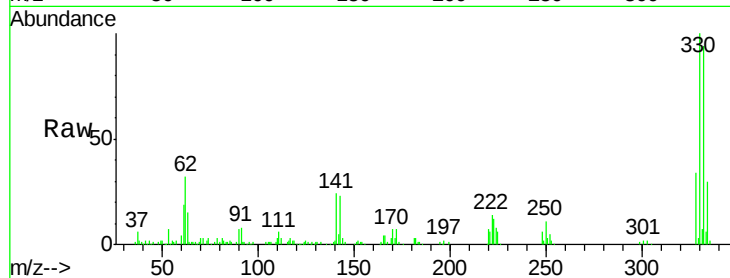




#42
 2,4,6-Tribromophenol
 Concen: 28.400 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: BF120655.D
 Acq: 18 Jun 2020 21:26

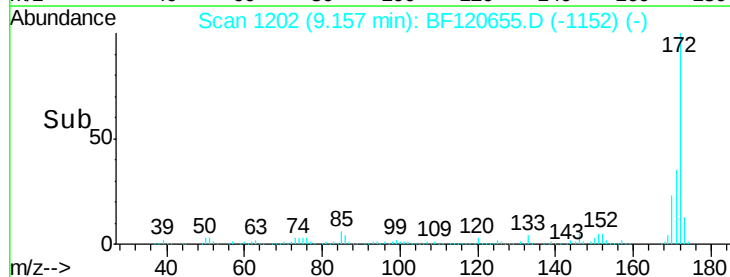
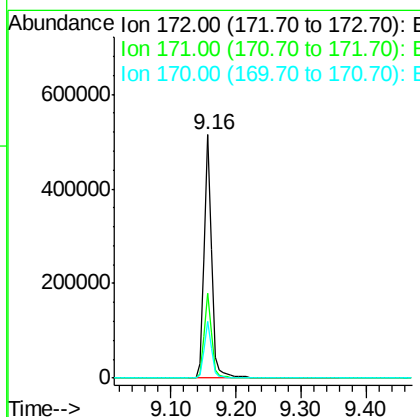
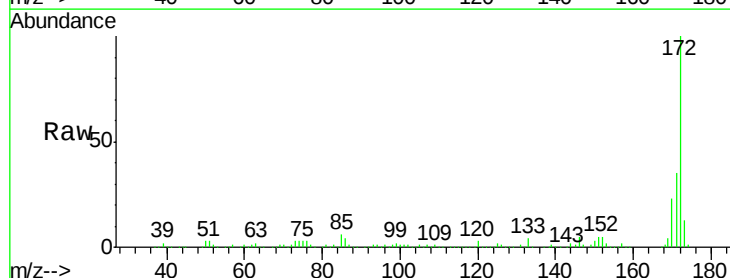
Instrument :
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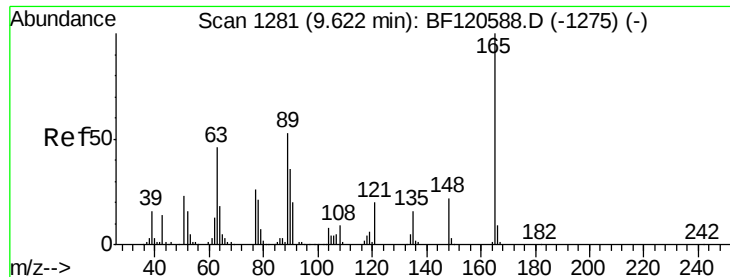
Tot Ion:330 Resp: 90990
 Ion Ratio Lower Upper
 330 100
 332 95.3 76.8 115.2
 141 32.8 23.2 34.8



#45
 2-Fluorobiphenyl
 Concen: 23.355 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF120655.D
 Acq: 18 Jun 2020 21:26

Tgt Ion:172 Resp: 420654
 Ion Ratio Lower Upper
 172 100
 171 34.6 29.0 43.4
 170 23.3 19.4 29.2





#51

2,6-Dinitrotoluene

Concen: 8.151 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.22 min

Lab File: BF120655.D

Acq: 18 Jun 2020 21:26

Instrument :

BNA_F

ClientSampleId :

OK-03-061720

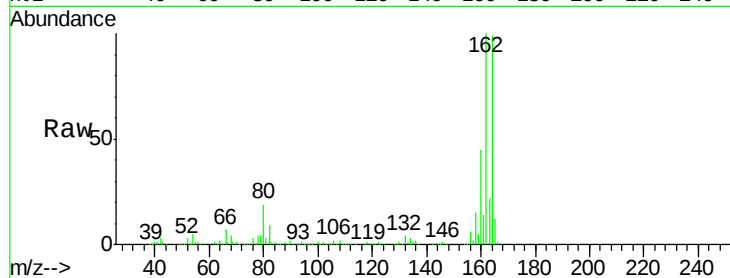
Tot Ion:165 Resp: 36661

Ion Ratio Lower Upper

165 100

63 1.1 41.7 62.5#

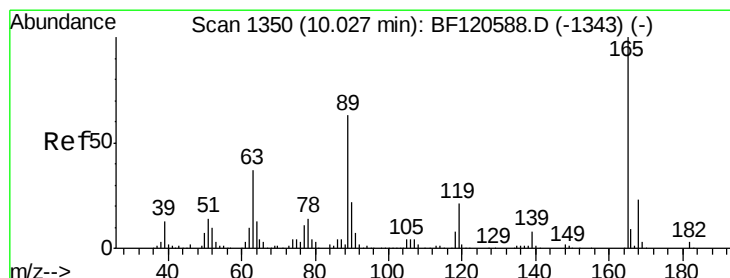
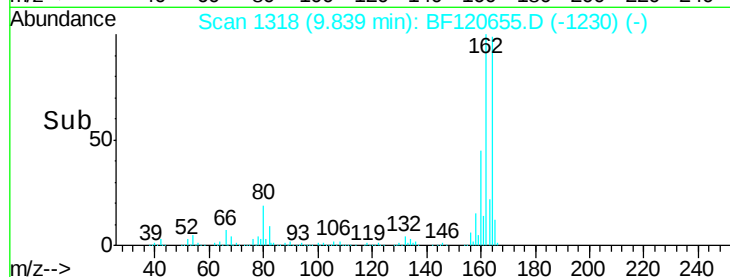
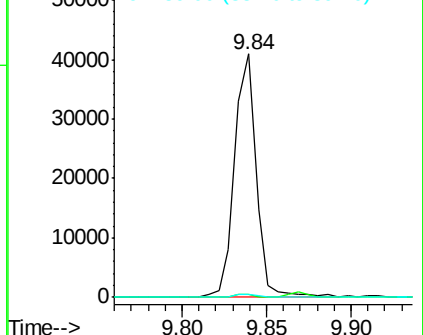
89 1.2 42.6 64.0#



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: 6.143 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.19 min

Lab File: BF120655.D

Acq: 18 Jun 2020 21:26

Tgt Ion:165 Resp: 36661

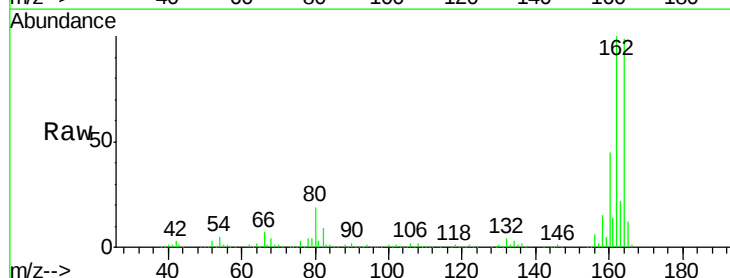
Ion Ratio Lower Upper

165 100

63 1.1 29.8 44.8#

89 1.2 50.4 75.6#

182 0.0 2.1 3.1#

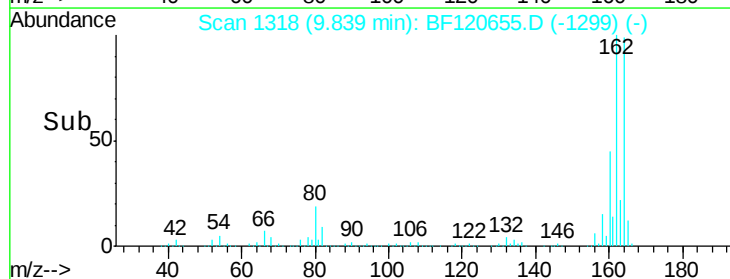
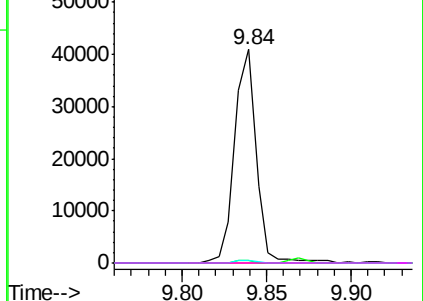


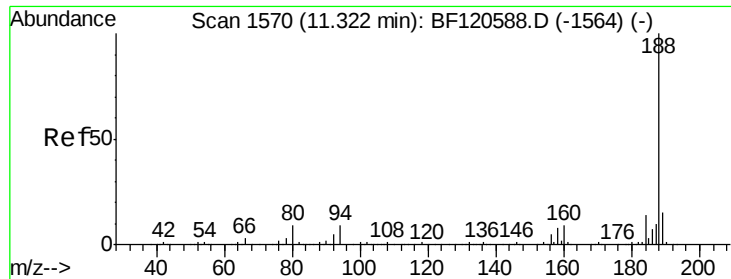
Abundance Ion 165.00 (164.70 to 165.70): E

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

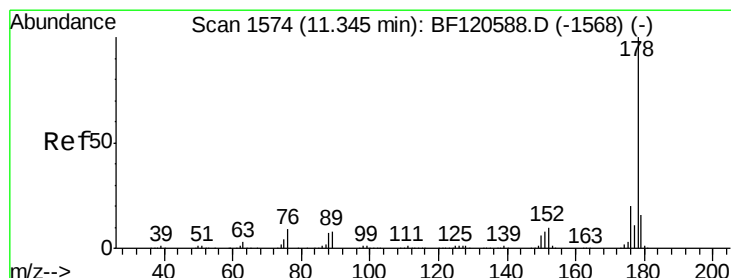
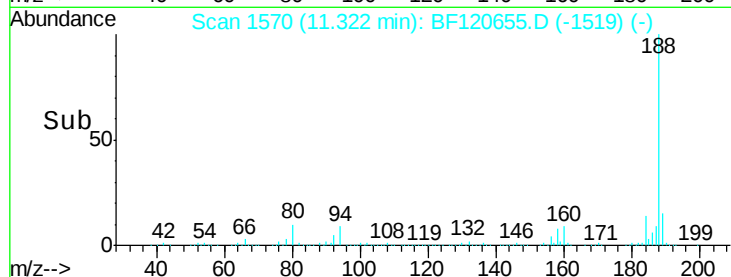
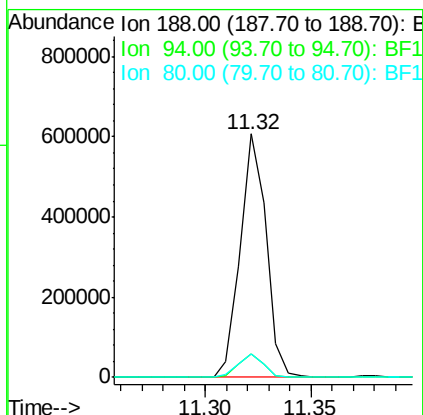
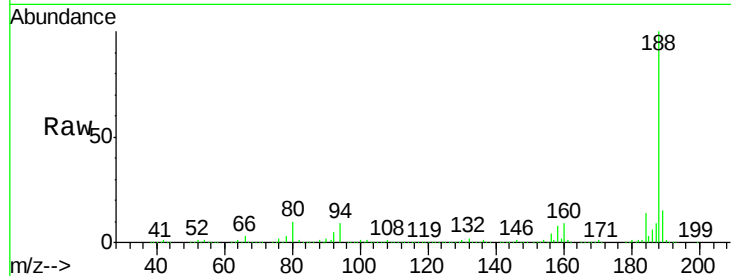




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. 0.00 min
Lab File: BF120655.D
Acq: 18 Jun 2020 21:26

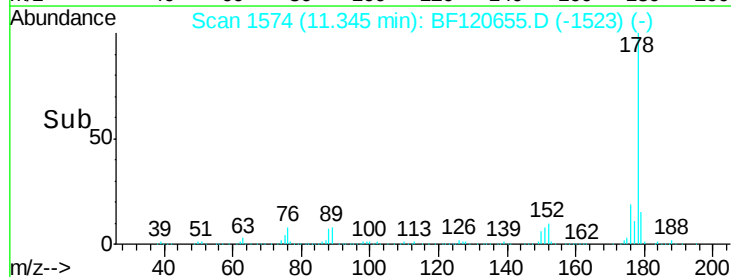
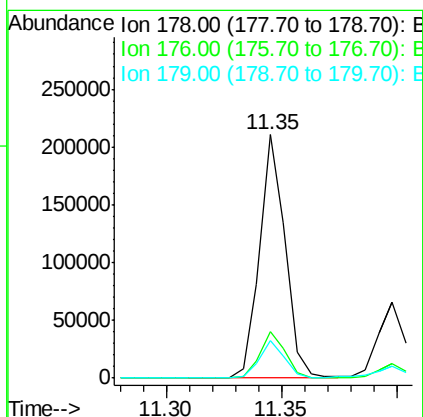
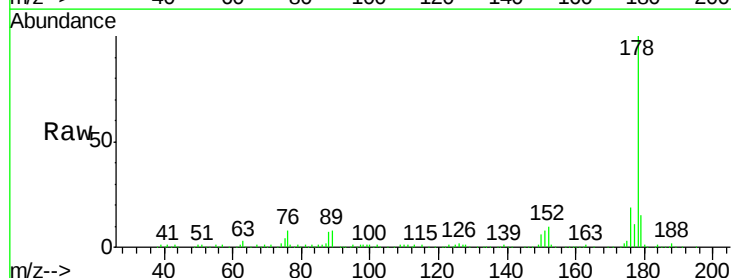
Instrument :
BNA_F
ClientSampleId :
OK-03-061720

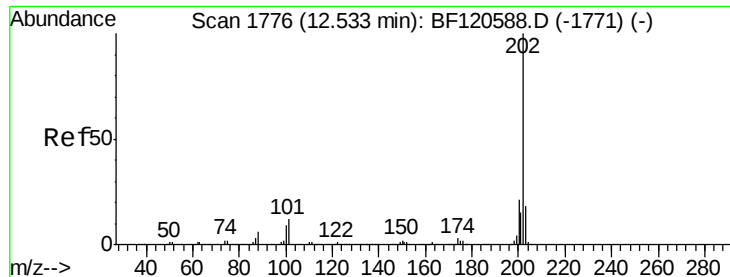
Tot Ion:188 Resp: 516387
Ion Ratio Lower Upper
188 100
94 9.4 7.2 10.8
80 9.9 7.4 11.2



#71
Phenanthrene
Concen: 6.408 ng
RT: 11.35 min Scan# 1574
Delta R.T. 0.00 min
Lab File: BF120655.D
Acq: 18 Jun 2020 21:26

Tgt Ion:178 Resp: 164494
Ion Ratio Lower Upper
178 100
176 19.0 15.9 23.9
179 15.3 12.8 19.2





#75

Fluoranthene

Concen: 10.527 ng

RT: 12.53 min Scan# 1776

Delta R.T. 0.00 min

Lab File: BF120655.D

Acq: 18 Jun 2020 21:26

Instrument :

BNA_F

ClientSampleId :

OK-03-061720

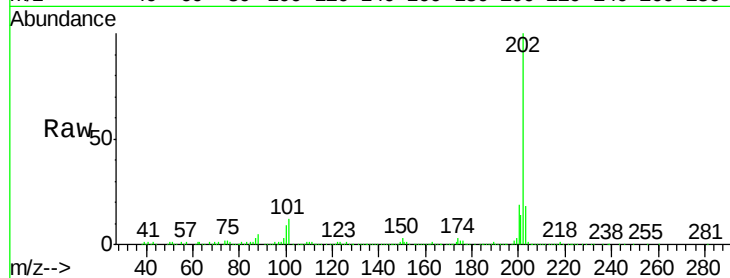
Tot Ion:202 Resp: 308963

Ion Ratio Lower Upper

202 100

101 11.9 0.0 32.0

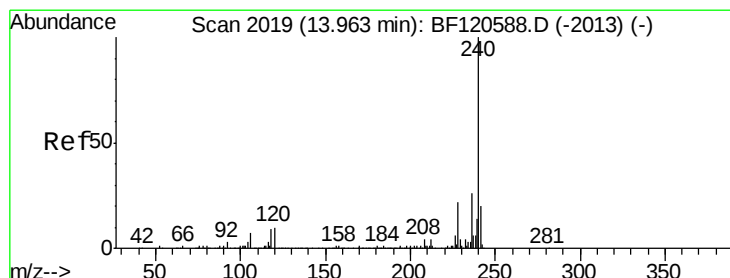
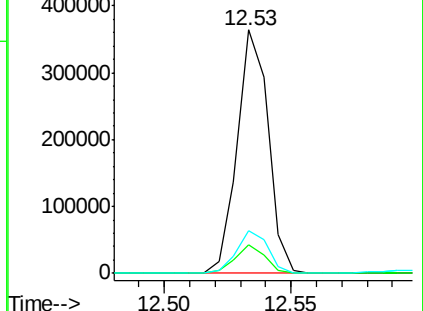
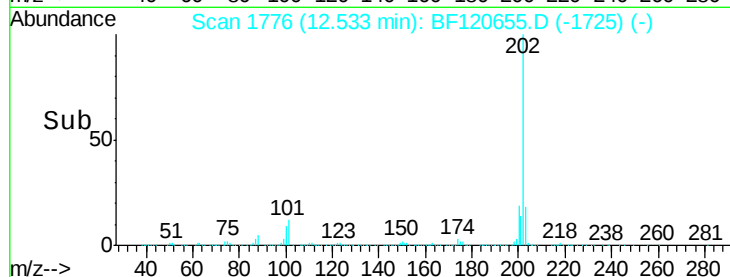
203 17.7 0.0 38.3



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: BF120655.D

Acq: 18 Jun 2020 21:26

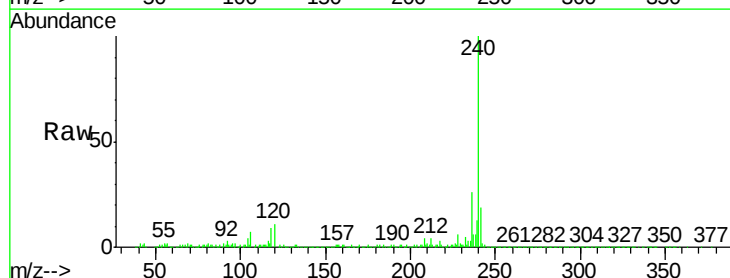
Tgt Ion:240 Resp: 411931

Ion Ratio Lower Upper

240 100

120 11.1 8.3 12.5

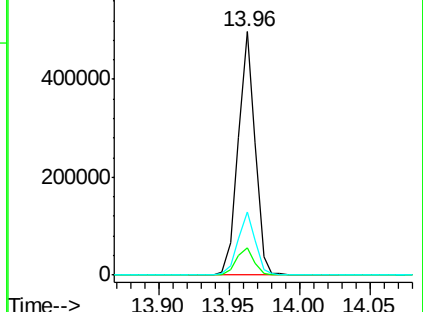
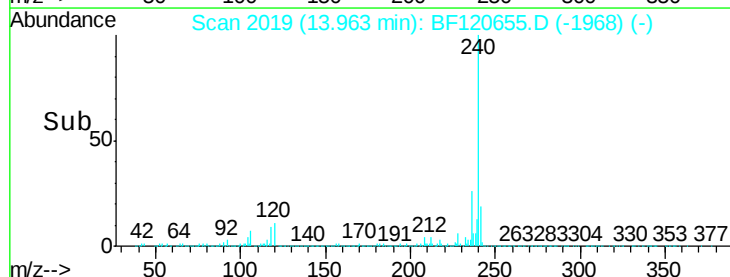
236 26.0 21.0 31.4

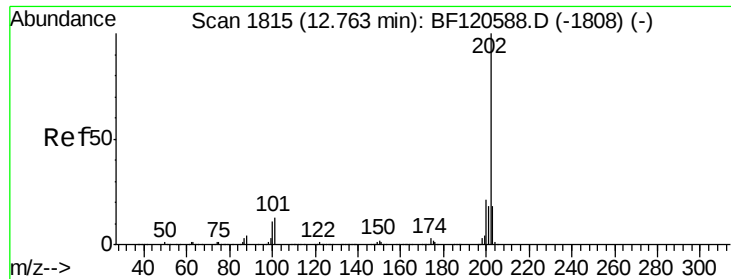


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 8.694 ng

RT: 12.76 min Scan# 1815

Delta R.T. 0.00 min

Lab File: BF120655.D

Acq: 18 Jun 2020 21:26

Instrument :

BNA_F

ClientSampleId :

OK-03-061720

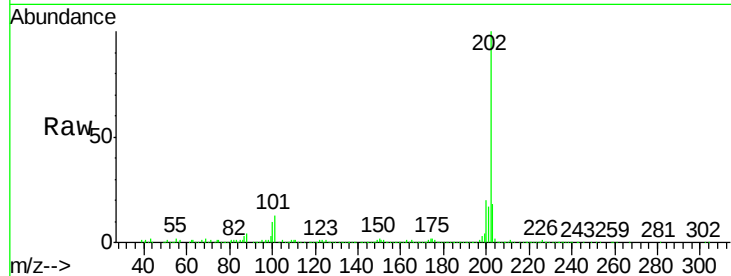
Tot Ion:202 Resp: 253695

Ion Ratio Lower Upper

202 100

200 19.9 16.8 25.2

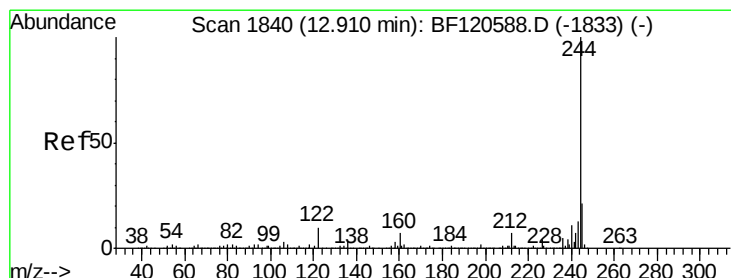
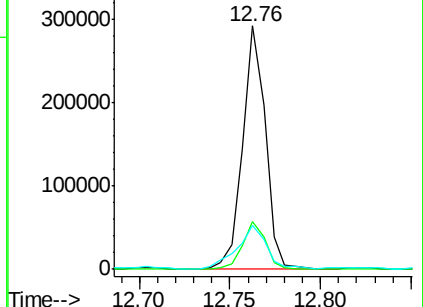
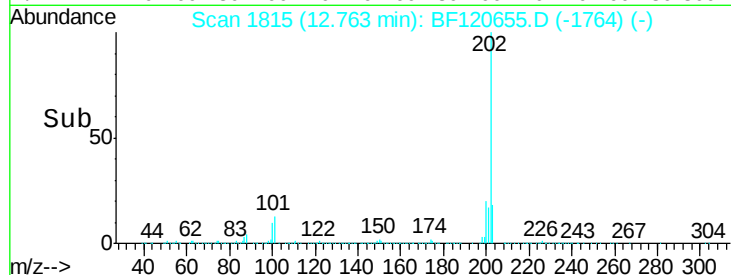
203 18.1 14.3 21.5



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: 25.816 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BF120655.D

Acq: 18 Jun 2020 21:26

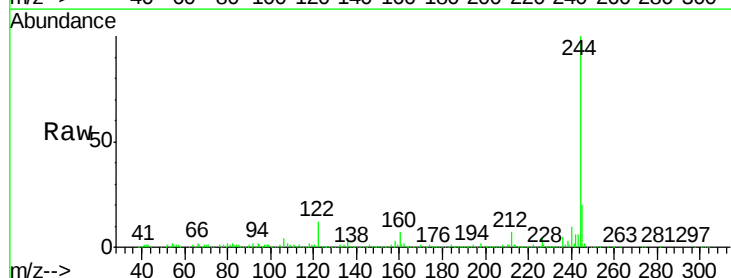
Tgt Ion:244 Resp: 481441

Ion Ratio Lower Upper

244 100

212 6.6 5.7 8.5

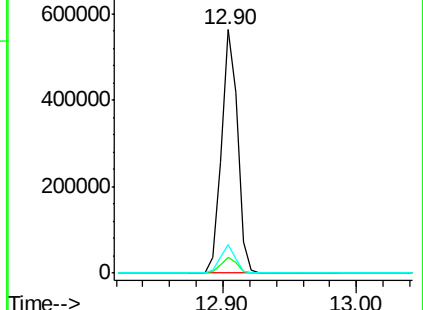
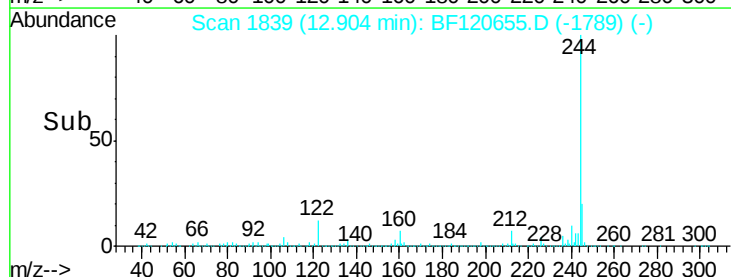
122 11.6 8.3 12.5

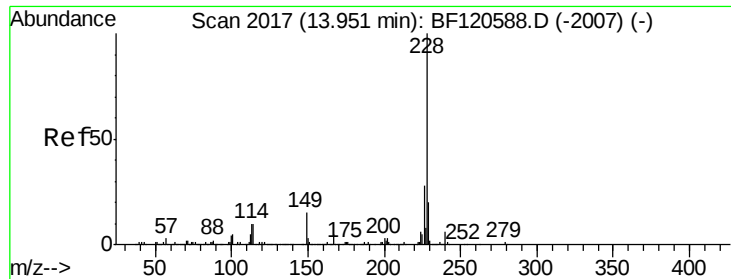


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 5.446 ng

RT: 13.95 min Scan# 2017

Delta R.T. 0.00 min

Lab File: BF120655.D

Acq: 18 Jun 2020 21:26

Instrument :

BNA_F

ClientSampleId :

OK-03-061720

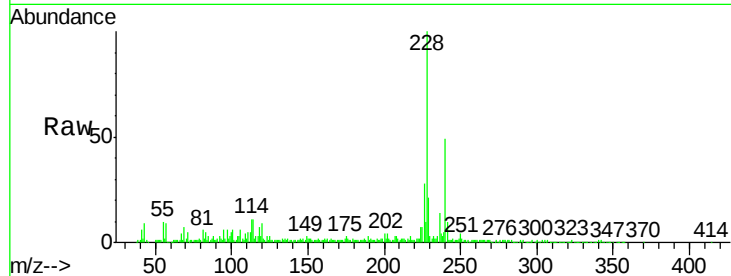
Tot Ion:228 Resp: 134774

Ion Ratio Lower Upper

228 100

226 27.9 22.5 33.7

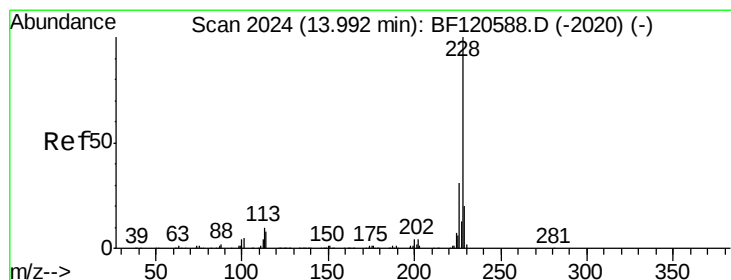
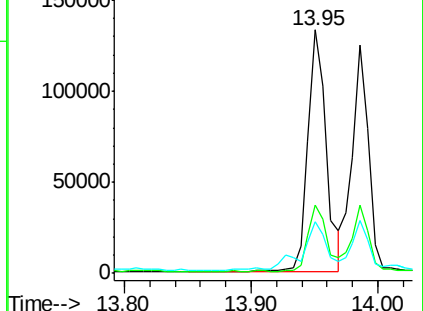
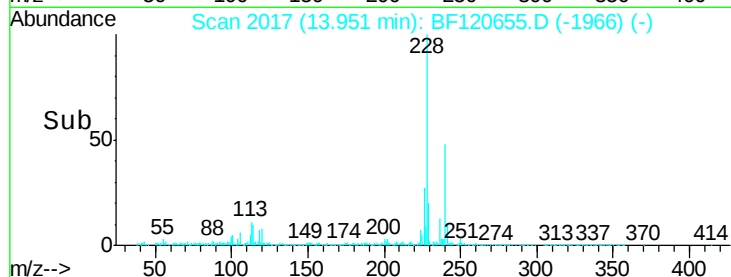
229 21.4 16.1 24.1



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: 4.444 ng

RT: 13.99 min Scan# 2023

Delta R.T. 0.00 min

Lab File: BF120655.D

Acq: 18 Jun 2020 21:26

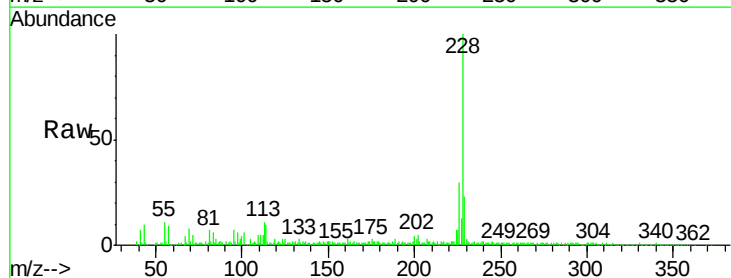
Tgt Ion:228 Resp: 112804

Ion Ratio Lower Upper

228 100

226 29.9 24.9 37.3

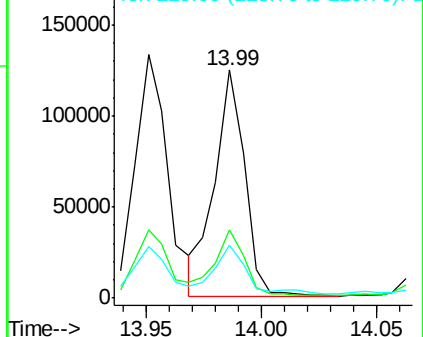
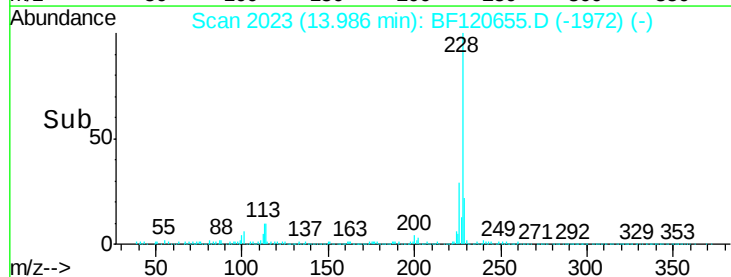
229 23.0 16.1 24.1

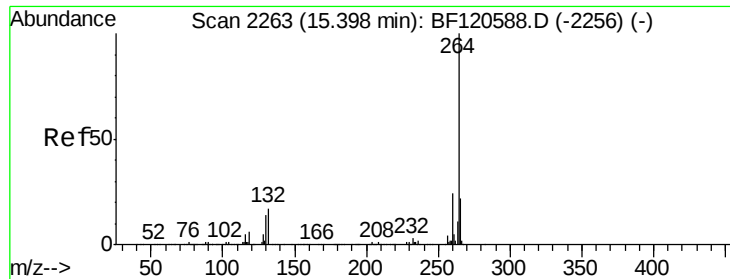


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



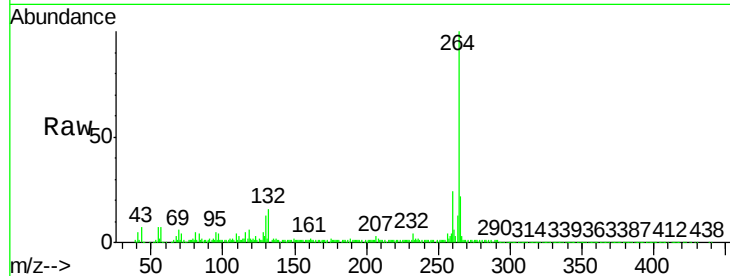


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.41 min Scan# 2265
Delta R.T. 0.01 min
Lab File: BF120655.D
Acq: 18 Jun 2020 21:26

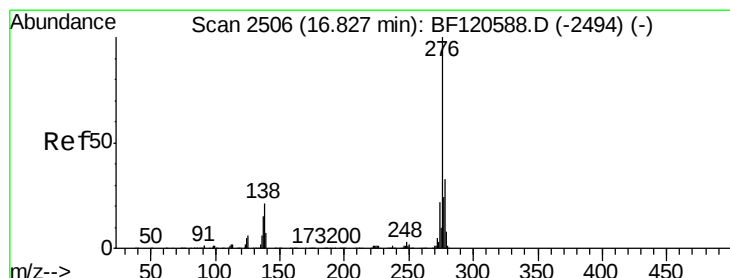
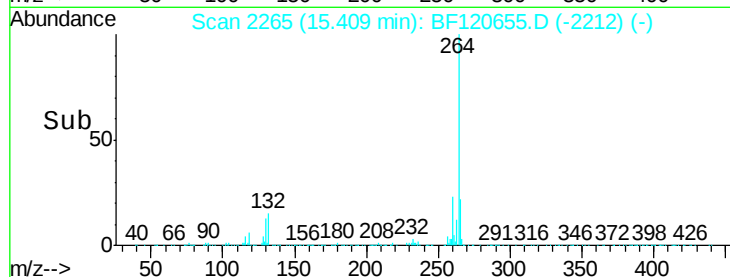
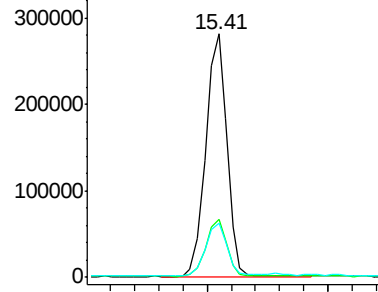
Instrument :
BNA_F
ClientSampleId :
OK-03-061720

Tot Ion:264 Resp: 341518

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.3	28.9
265	22.2	17.8	26.8



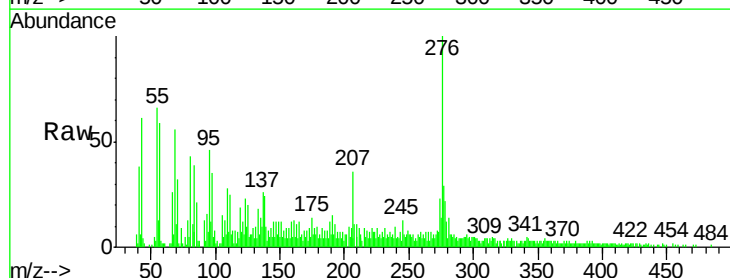
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



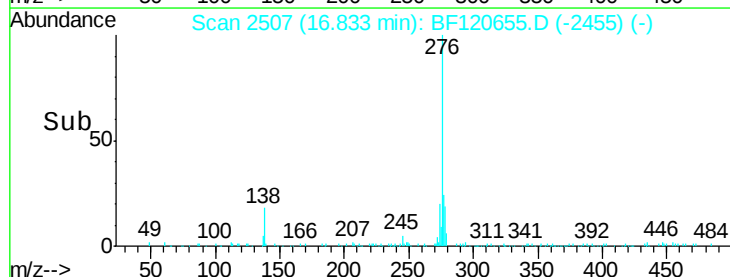
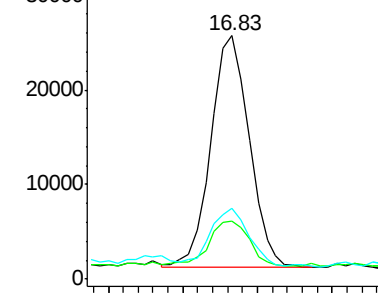
#87
Indeno(1,2,3-cd)pyrene
Concen: 2.110 ng
RT: 16.83 min Scan# 2507
Delta R.T. 0.01 min
Lab File: BF120655.D
Acq: 18 Jun 2020 21:26

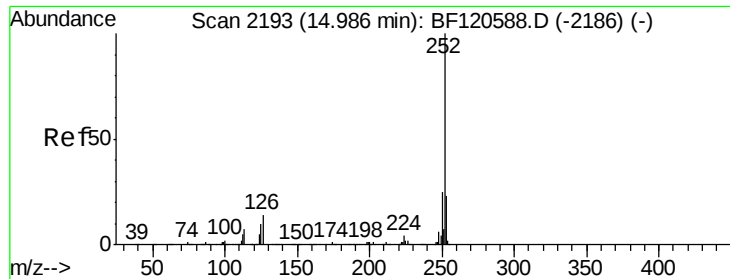
Tgt Ion:276 Resp: 43832

Ion	Ratio	Lower	Upper
276	100		
138	21.2	18.9	28.3
277	24.3	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

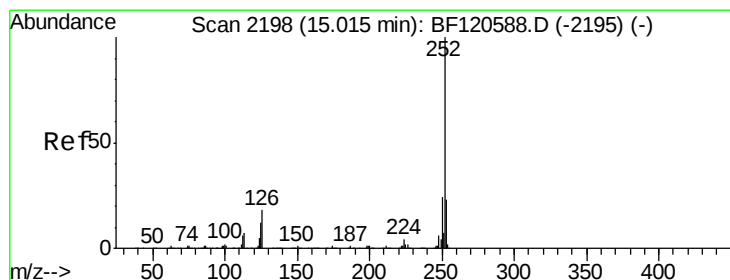
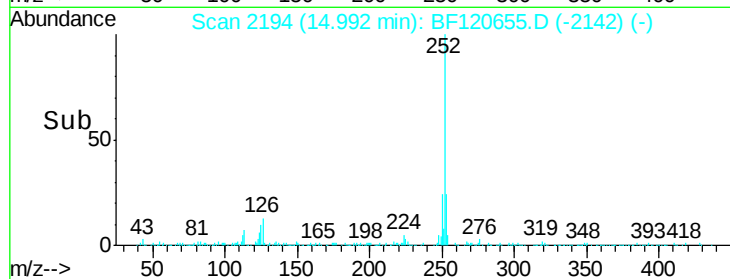
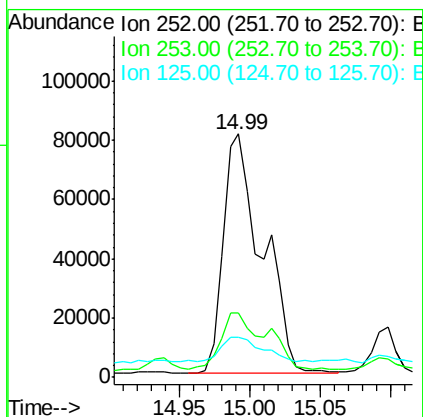
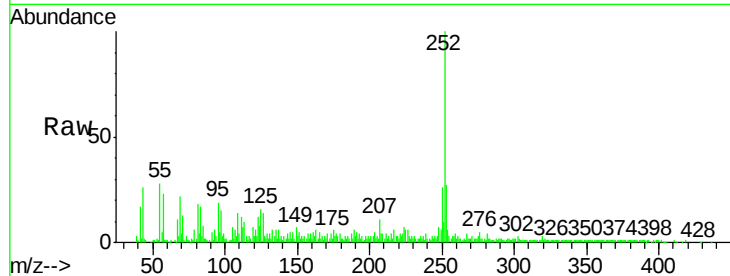




#88
Benzo(b)fluoranthene
Concen: 7.700 ng
RT: 14.99 min Scan# 2194
Delta R.T. 0.01 min
Lab File: BF120655.D
Acq: 18 Jun 2020 21:26

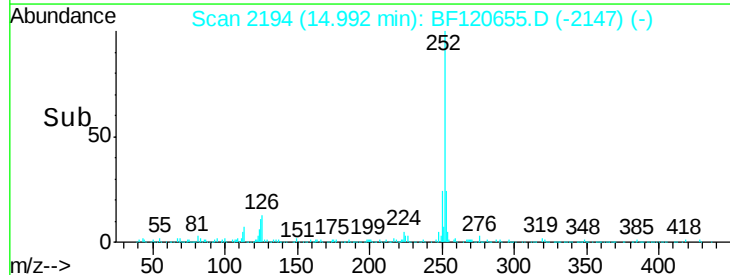
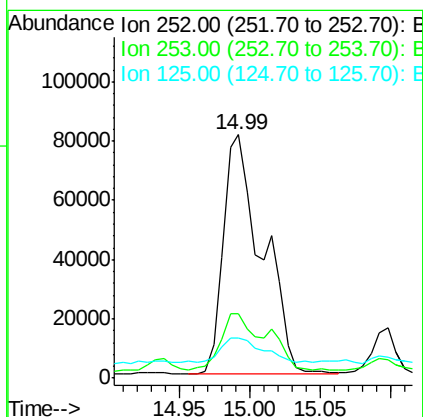
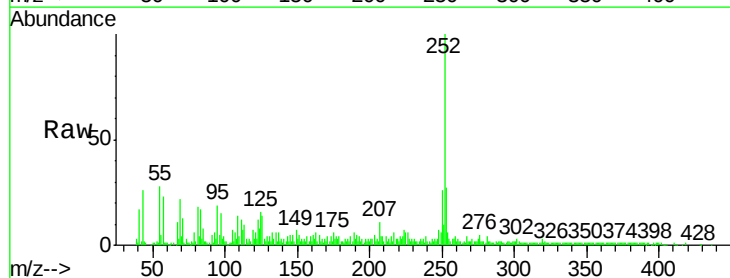
Instrument :
BNA_F
ClientSampleId :
OK-03-061720

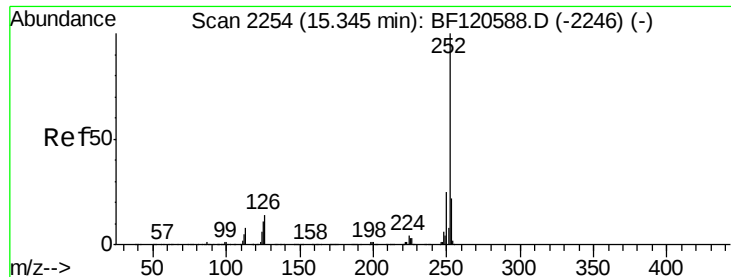
Tot Ion:252 Resp: 156650
Ion Ratio Lower Upper
252 100
253 26.5 18.1 27.1
125 16.5 8.3 12.5#



#89
Benzo(k)fluoranthene
Concen: 8.702 ng
RT: 14.99 min Scan# 2194
Delta R.T. -0.02 min
Lab File: BF120655.D
Acq: 18 Jun 2020 21:26

Tgt Ion:252 Resp: 156650
Ion Ratio Lower Upper
252 100
253 26.5 18.0 27.0
125 16.5 8.3 12.5#

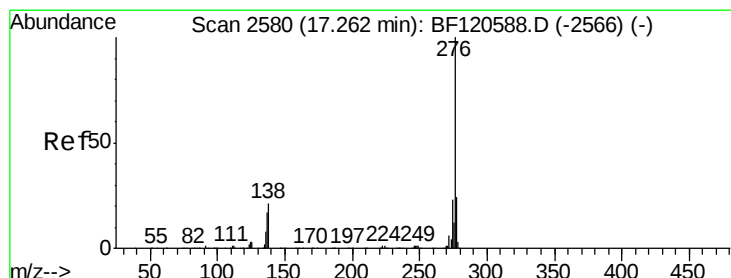
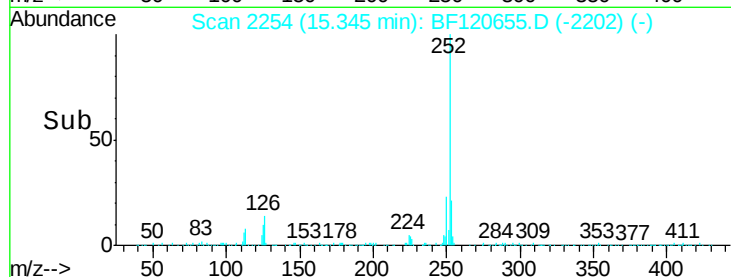
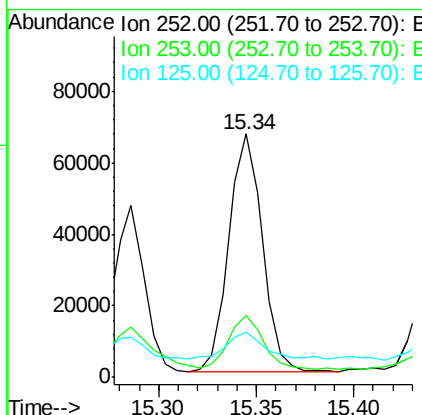
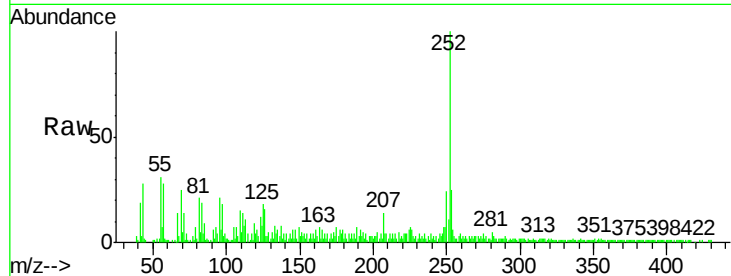




#90
Benzo(a)pyrene
Concen: 4.315 ng
RT: 15.34 min Scan# 2254
Delta R.T. 0.01 min
Lab File: BF120655.D
Acq: 18 Jun 2020 21:26

Instrument :
BNA_F
ClientSampleId :
OK-03-061720

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.8	26.8
125	18.3	8.6	12.8



#92
Benzo(g,h,i)perylene
Concen: 2.475 ng
RT: 17.26 min Scan# 2580
Delta R.T. 0.01 min
Lab File: BF120655.D
Acq: 18 Jun 2020 21:26

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.5	19.6	29.4
138	23.9	16.5	24.7

