

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061820\
 Data File : BF120657.D
 Acq On : 18 Jun 2020 22:22
 Operator : JU/CG
 Sample : L2818-01 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-061720

Quant Time: Jun 19 01:13:51 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

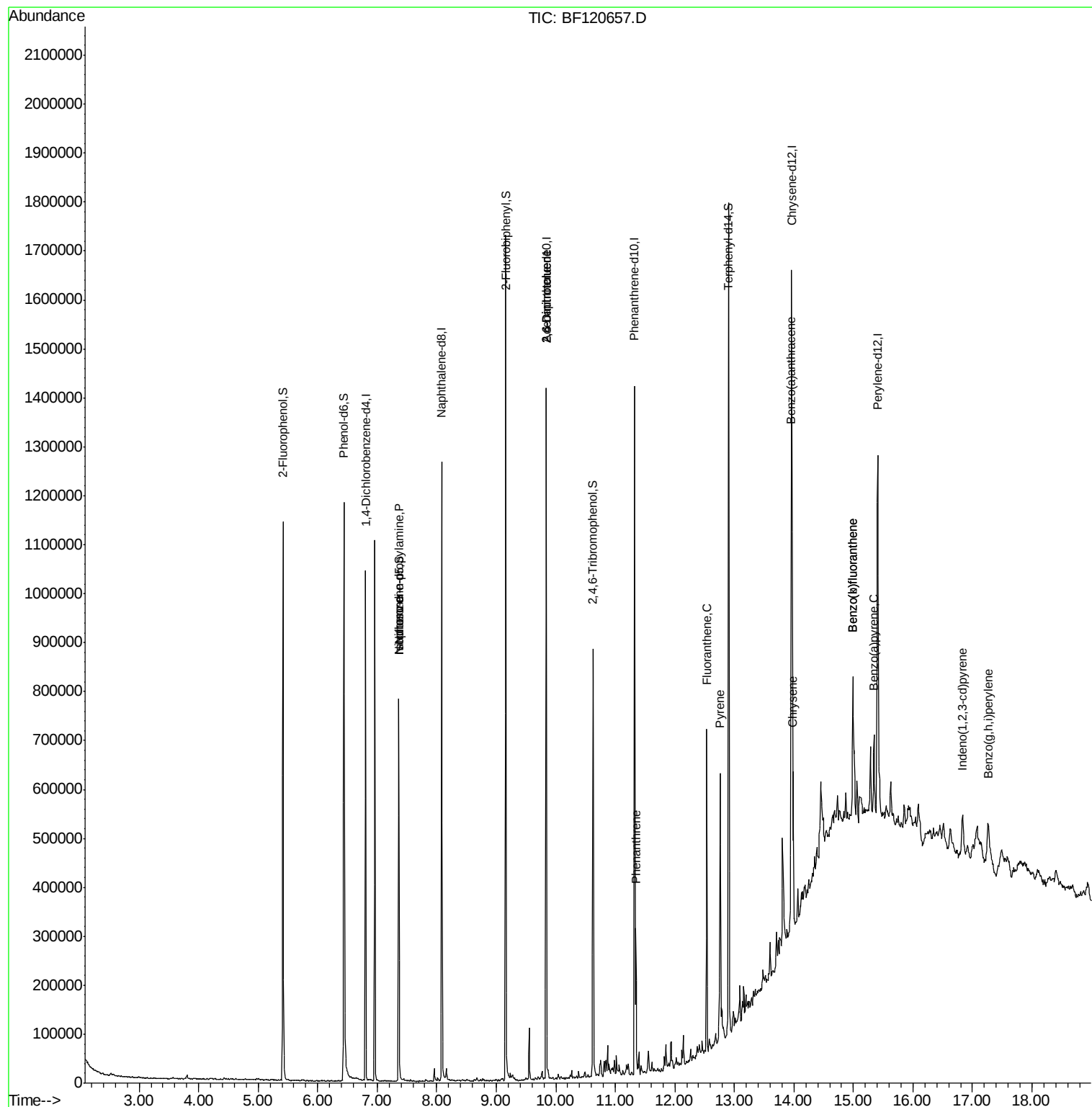
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	139085	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	525966	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	266767	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	507260	20.00	ng	0.00
76) Chrysene-d12	13.96	240	417430	20.00	ng	0.00
86) Perylene-d12	15.41	264	357935	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	321678	39.65	ng	0.00
7) Phenol-d6	6.44	99	392145	38.81	ng	0.00
23) Nitrobenzene-d5	7.36	82	216512	23.01	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	118553	38.22	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	504243	28.92	ng	0.00
79) Terphenyl-d14	12.90	244	610074	32.28	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	27195	4.640	ng	Qvalue # 78
25) Isophorone	7.36	82	216510	11.812	ng	# 62
51) 2,6-Dinitrotoluene	9.84	165	34031	7.816	ng	# 26
57) 2,4-Dinitrotoluene	9.84	165	34031	5.890	ng	# 28
71) Phenanthrene	11.35	178	96554	3.829	ng	98
75) Fluoranthene	12.53	202	268084	9.299	ng	99
78) Pyrene	12.76	202	219542	7.424	ng	98
81) Benzo(a)anthracene	13.95	228	107738	4.296	ng	100
83) Chrysene	13.99	228	126977	4.936	ng	96
87) Indeno(1,2,3-cd)pyrene	16.83	276	51127	2.348	ng	97
88) Benzo(b)fluoranthene	14.99	252	190106	8.916	ng	# 96
89) Benzo(k)fluoranthene	14.99	252	190106	10.076	ng	# 96
90) Benzo(a)pyrene	15.34	252	78286	4.103	ng	# 94
92) Benzo(a,h,i)perylene	17.26	276	48626	2.763	ng	# 89

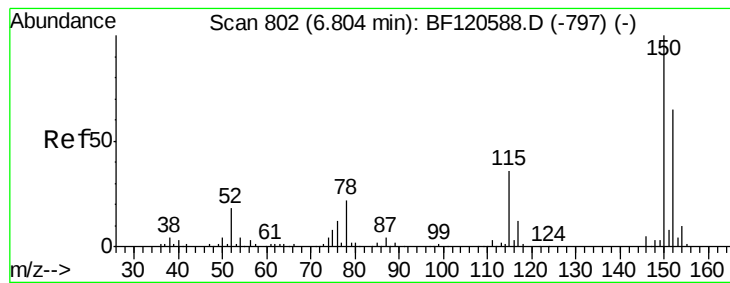
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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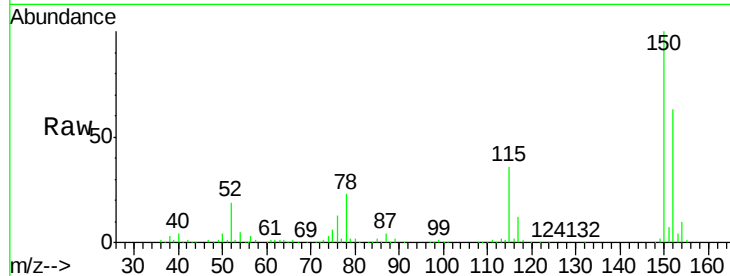


#1

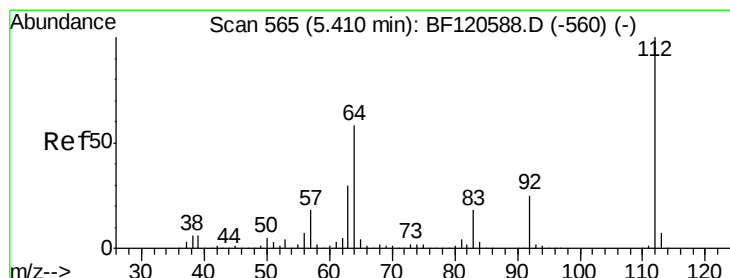
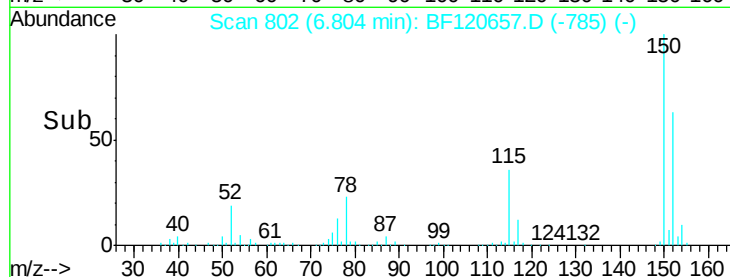
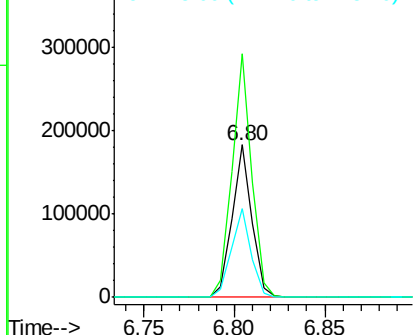
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF120657.D
Acq: 18 Jun 2020 22:22

Instrument :
BNA_F
ClientSampleId :
TR-05-061720

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.8	123.2	184.8
115	58.0	43.9	65.9



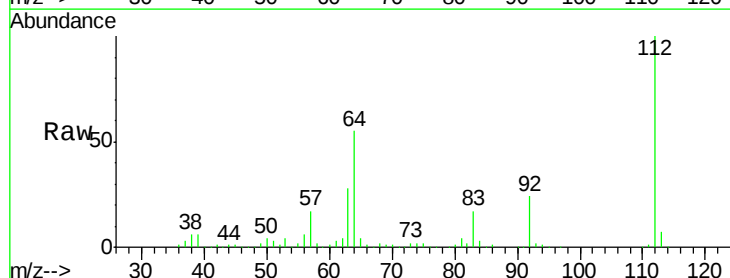
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



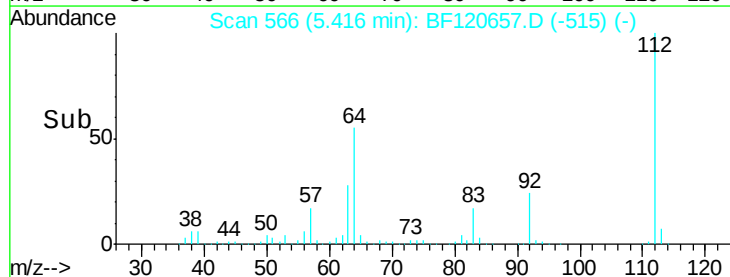
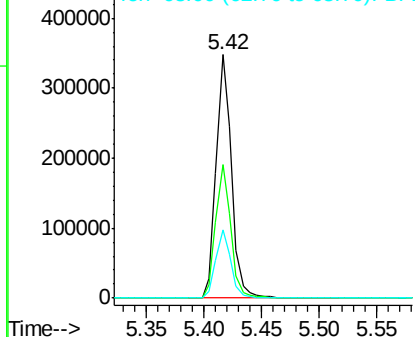
#5

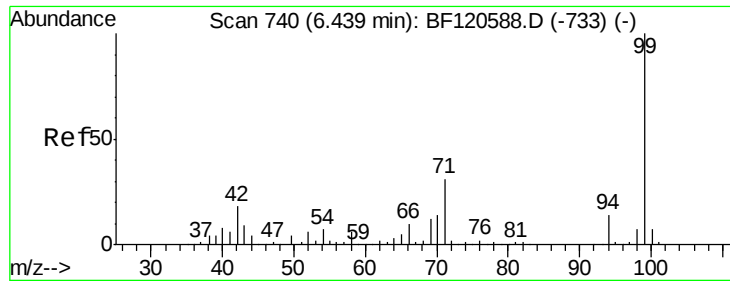
2-Fluorophenol
Concen: 39.652 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.00 min
Lab File: BF120657.D
Acq: 18 Jun 2020 22:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.8	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: 38.810 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.00 min

Lab File: BF120657.D

Acq: 18 Jun 2020 22:22

Instrument :

BNA_F

ClientSampleId :

TR-05-061720

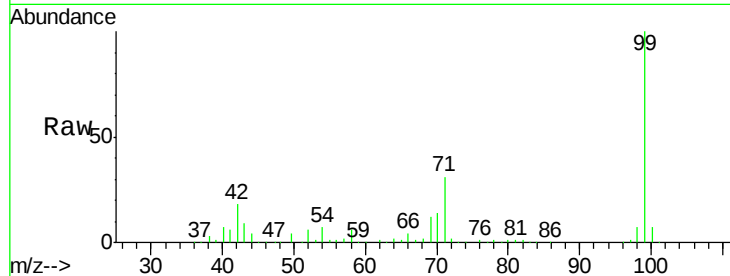
Tot Ion: 99 Resp: 392145

Ion Ratio Lower Upper

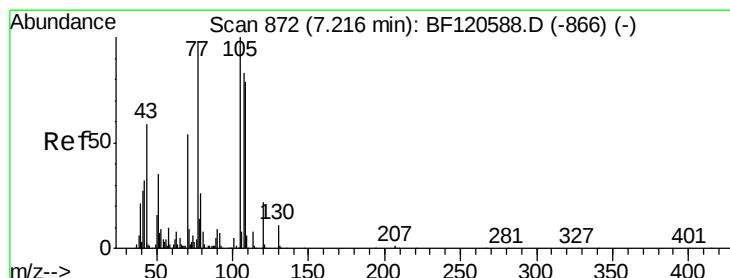
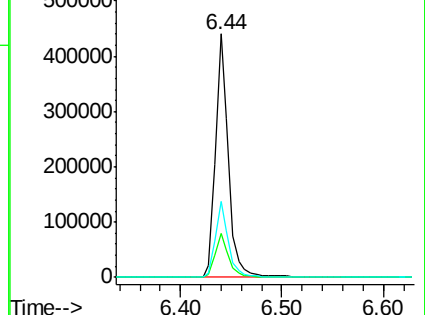
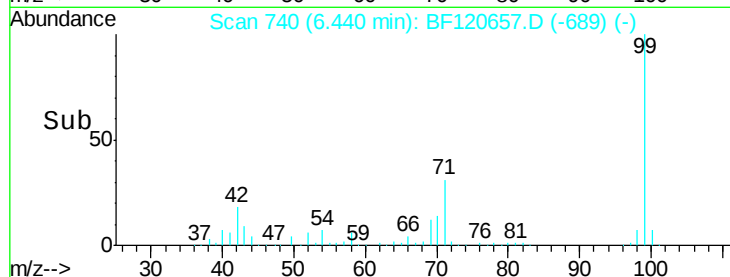
99 100

42 17.9 14.0 21.0

71 31.2 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: 4.640 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.15 min

Lab File: BF120657.D

Acq: 18 Jun 2020 22:22

Tgt Ion: 70 Resp: 27195

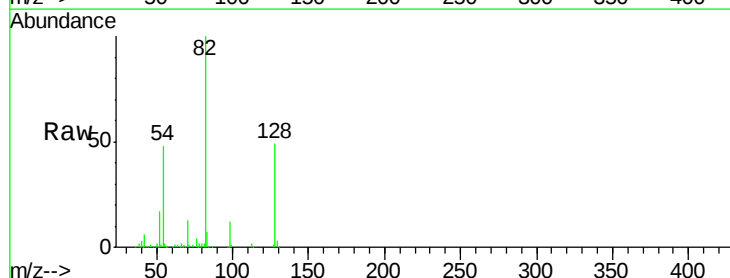
Ion Ratio Lower Upper

70 100

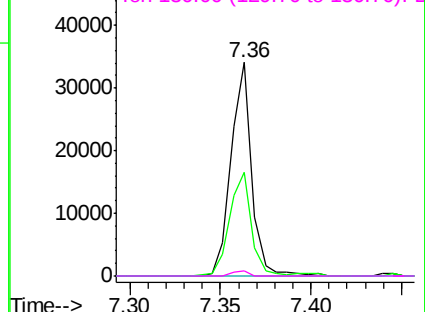
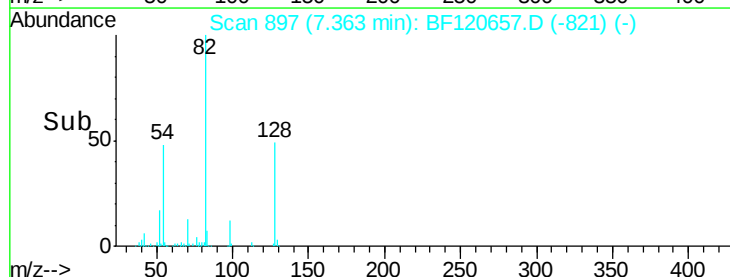
42 48.3 47.7 71.5

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

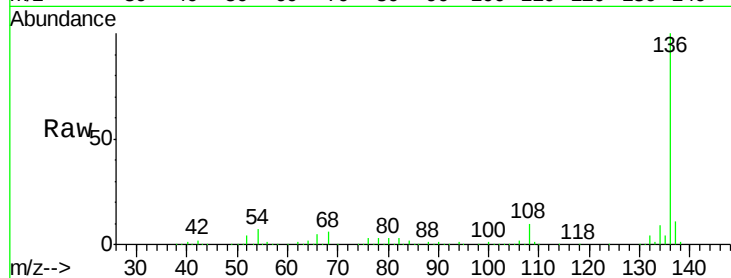




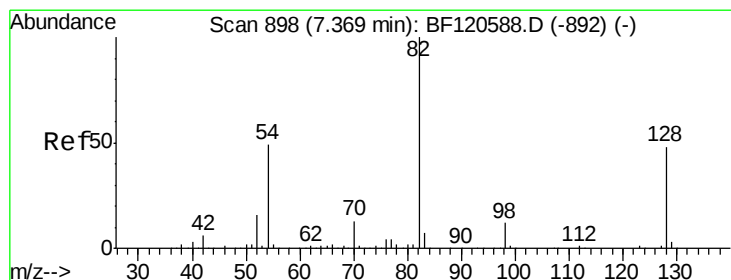
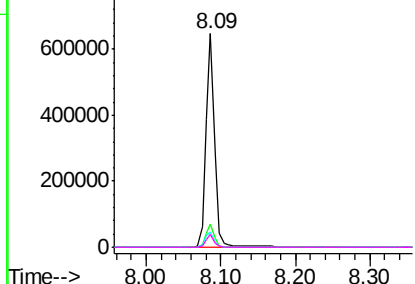
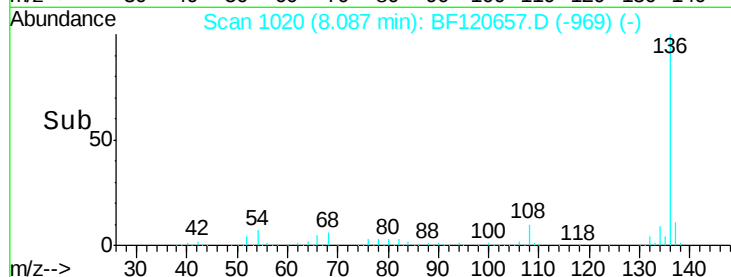
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. 0.00 min
Lab File: BF120657.D
Acq: 18 Jun 2020 22:22

Instrument :
BNA_F
ClientSampleId :
TR-05-061720

Tot Ion:136	Resp:	525966
Ion	Ratio	Lower Upper
136	100	
137	10.9	8.6 13.0
54	7.3	5.8 8.6
68	5.7	4.4 6.6

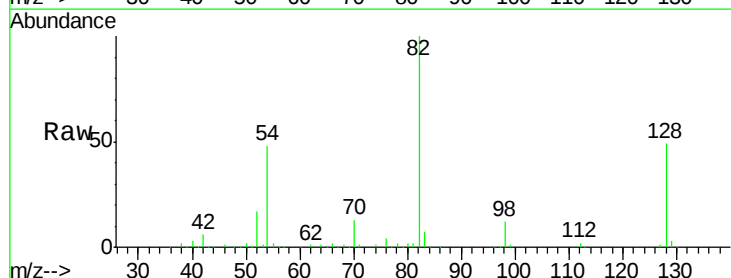


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

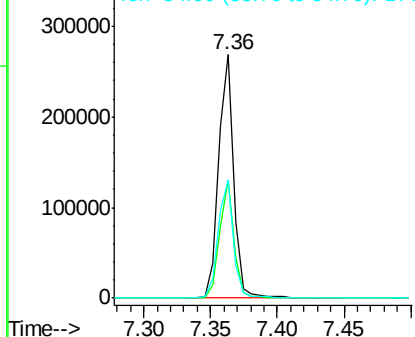
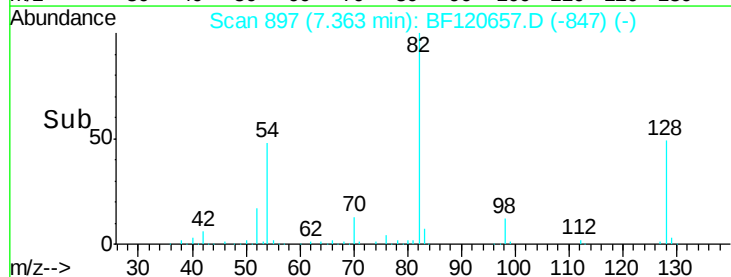


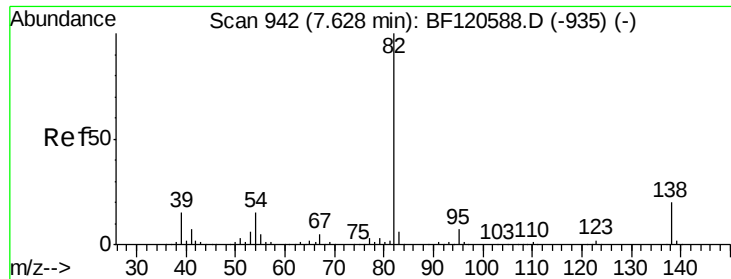
#23
Nitrobenzene-d5
Concen: 23.010 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF120657.D
Acq: 18 Jun 2020 22:22

Tgt Ion: 82	Resp:	216512
Ion	Ratio	Lower Upper
82	100	
128	48.7	38.0 57.0
54	48.3	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: 11.812 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.26 min

Lab File: BF120657.D

Acq: 18 Jun 2020 22:22

Instrument :

BNA_F

ClientSampleId :

TR-05-061720

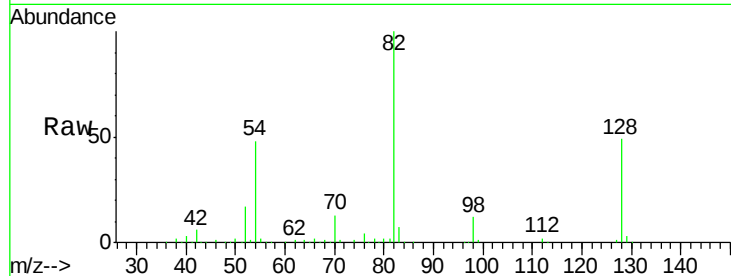
Tot Ion: 82 Resp: 216510

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

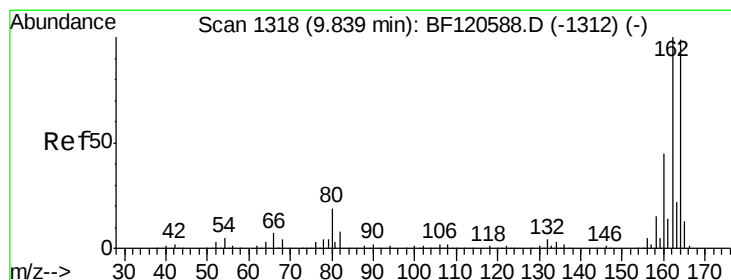
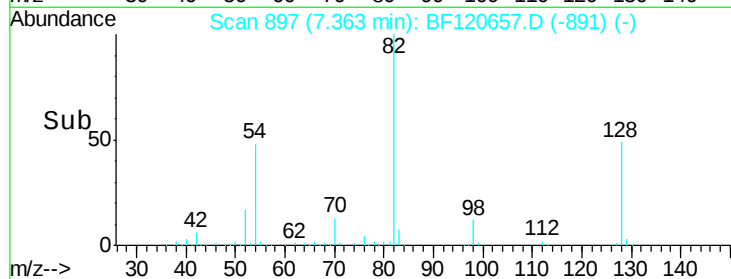
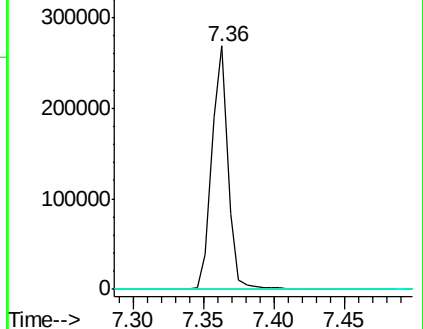
138 0.0 16.2 24.4#



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: 9.84 min Scan# 1318

Delta R.T. 0.00 min

Lab File: BF120657.D

Acq: 18 Jun 2020 22:22

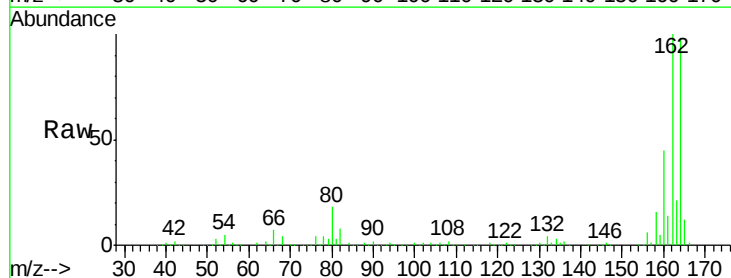
Tgt Ion:164 Resp: 266767

Ion Ratio Lower Upper

164 100

162 101.8 80.6 120.8

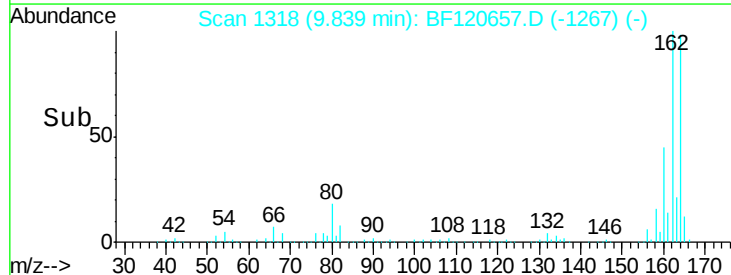
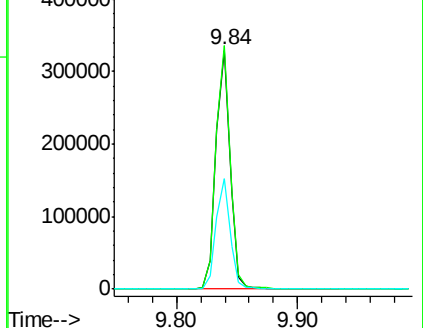
160 46.1 36.2 54.2

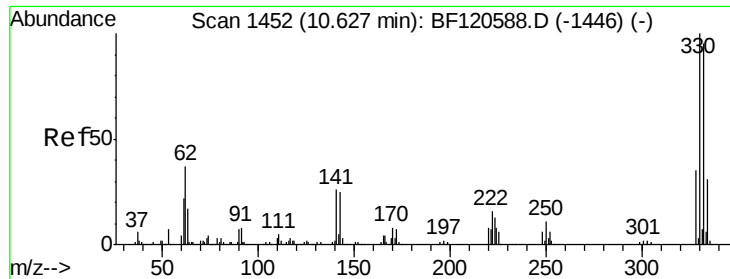


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

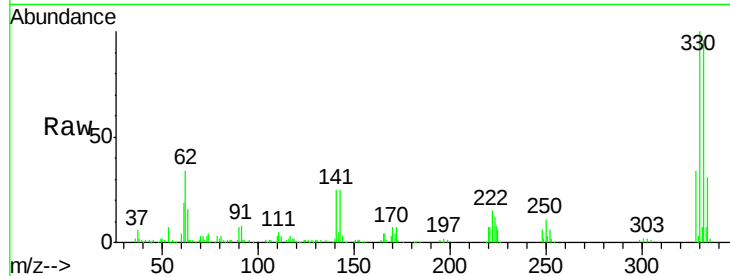




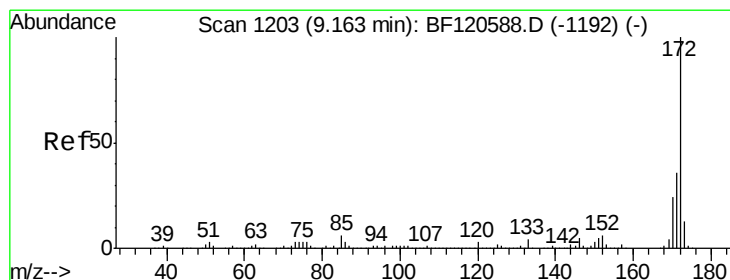
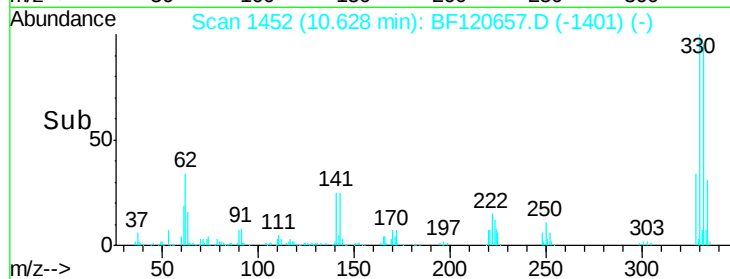
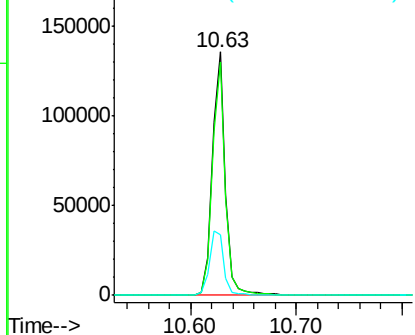
#42
 2,4,6-Tribromophenol
 Concen: 38.224 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: BF120657.D
 Acq: 18 Jun 2020 22:22

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-061720

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.2	76.8	115.2
141	29.6	23.2	34.8

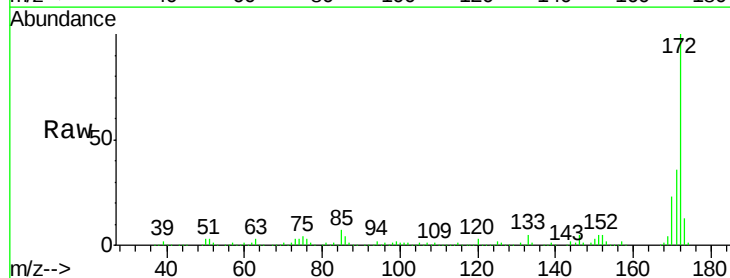


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

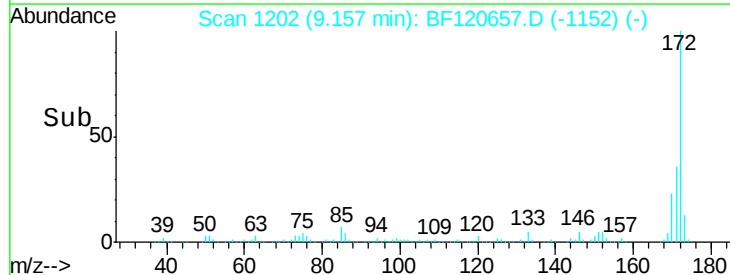
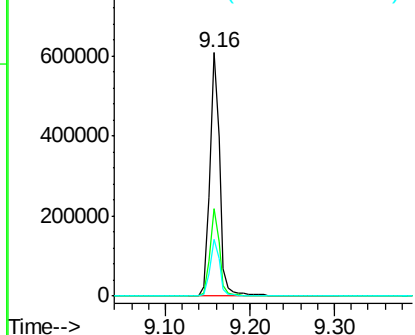


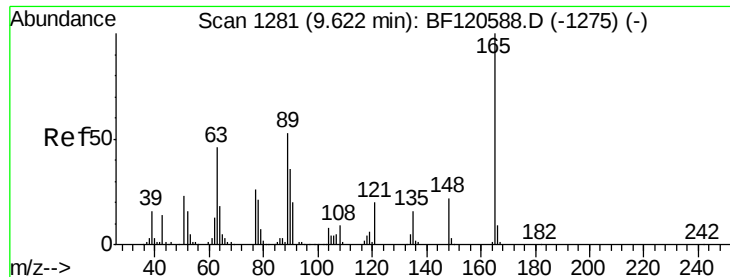
#45
 2-Fluorobiphenyl
 Concen: 28.920 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF120657.D
 Acq: 18 Jun 2020 22:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.0	43.4
170	23.1	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





#51

2,6-Dinitrotoluene

Concen: 7.816 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.22 min

Lab File: BF120657.D

Acq: 18 Jun 2020 22:22

Instrument :

BNA_F

ClientSampleId :

TR-05-061720

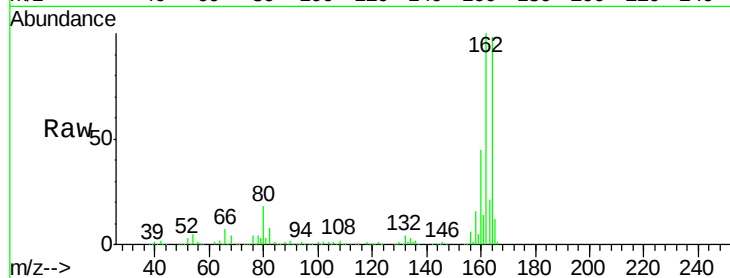
Tot Ion:165 Resp: 34031

Ion Ratio Lower Upper

165 100

63 0.0 41.7 62.5#

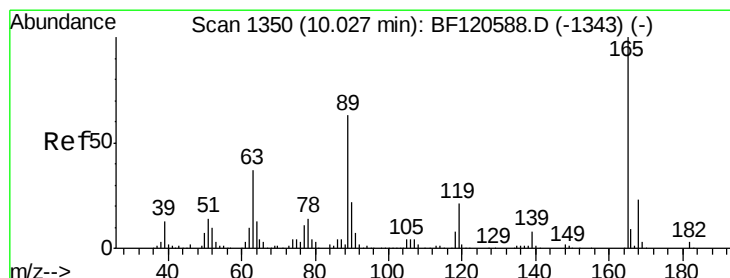
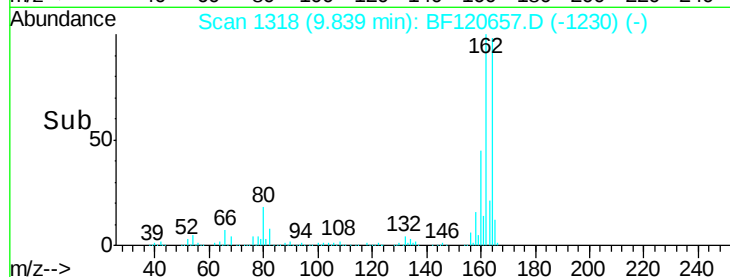
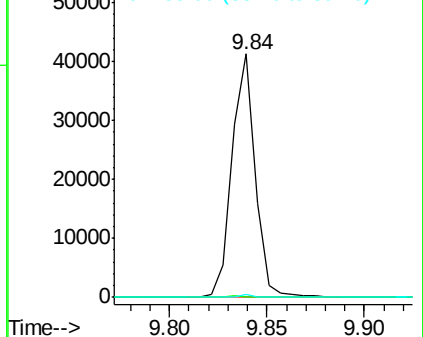
89 1.3 42.6 64.0#



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: 5.890 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.19 min

Lab File: BF120657.D

Acq: 18 Jun 2020 22:22

Tgt Ion:165 Resp: 34031

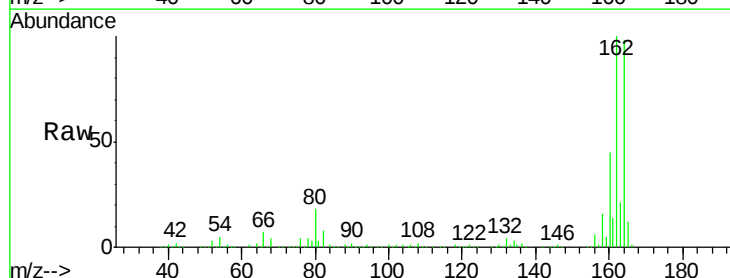
Ion Ratio Lower Upper

165 100

63 0.0 29.8 44.8#

89 1.3 50.4 75.6#

182 0.0 2.1 3.1#

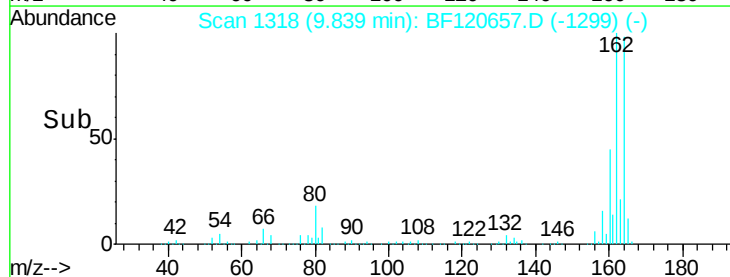
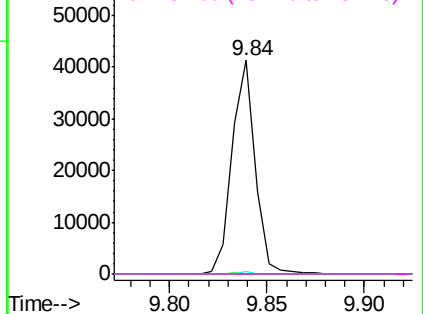


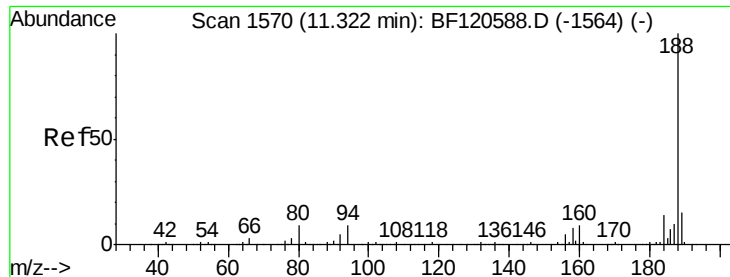
Abundance Ion 165.00 (164.70 to 165.70): E

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

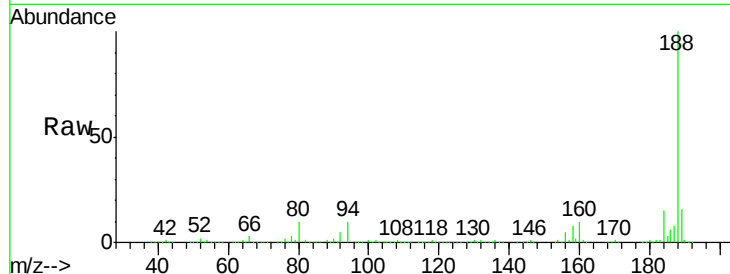




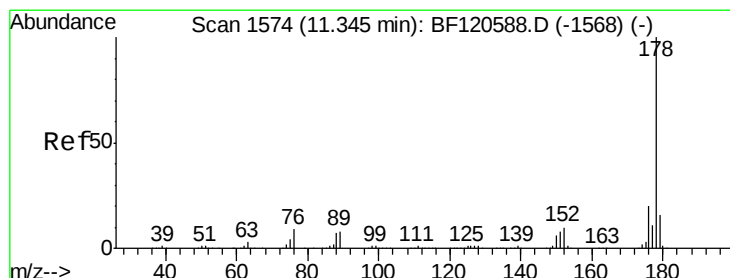
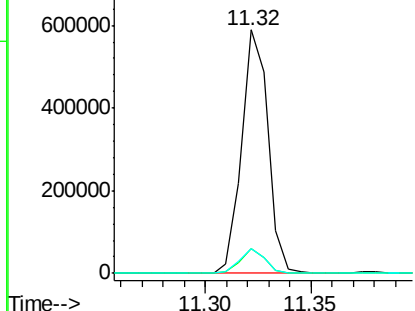
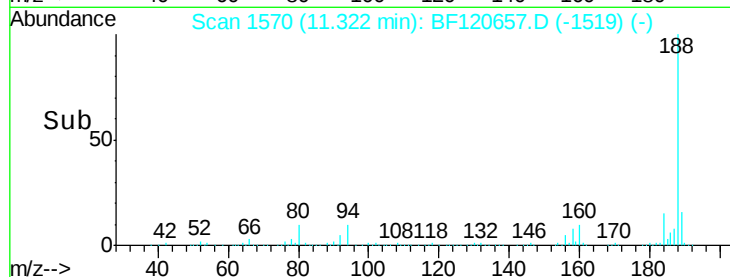
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: BF120657.D
 Acq: 18 Jun 2020 22:22

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-061720

Tot Ion:188 Resp: 507260
 Ion Ratio Lower Upper
 188 100
 94 10.0 7.2 10.8
 80 10.0 7.4 11.2

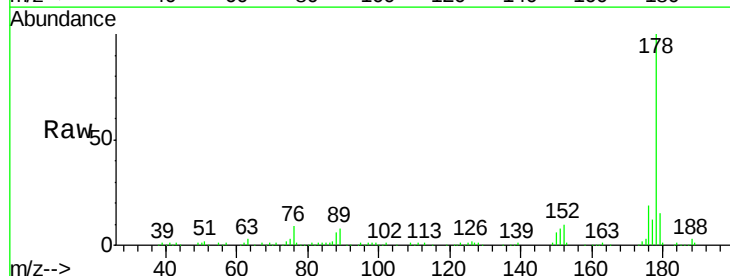


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

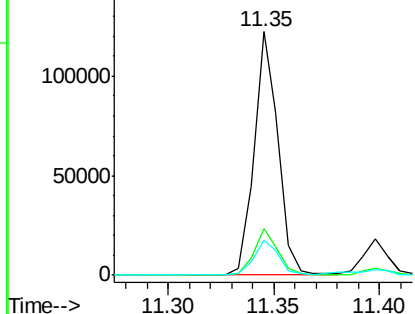
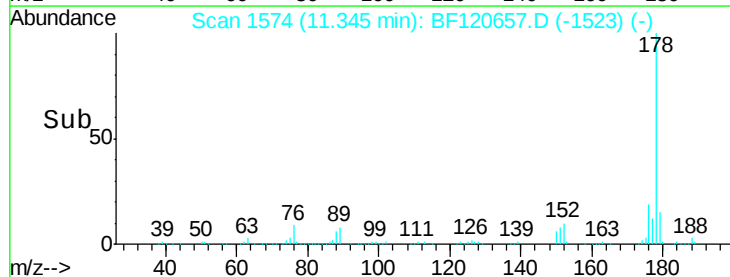


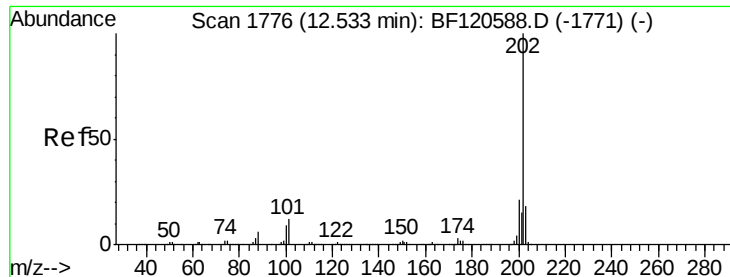
#71
 Phenanthrene
 Concen: 3.829 ng
 RT: 11.35 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: BF120657.D
 Acq: 18 Jun 2020 22:22

Tgt Ion:178 Resp: 96554
 Ion Ratio Lower Upper
 178 100
 176 19.1 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: 9.299 ng

RT: 12.53 min Scan# 1776

Delta R.T. 0.00 min

Lab File: BF120657.D

Acq: 18 Jun 2020 22:22

Instrument :

BNA_F

ClientSampleId :

TR-05-061720

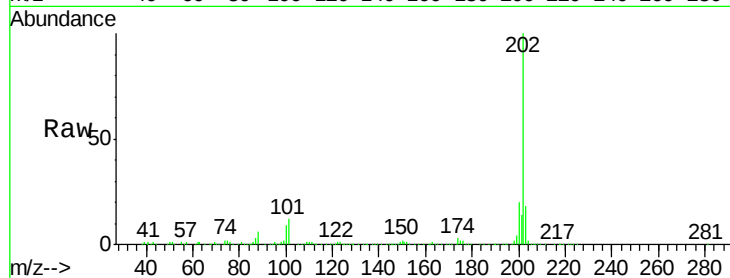
Tot Ion:202 Resp: 268084

Ion Ratio Lower Upper

202 100

101 11.6 0.0 32.0

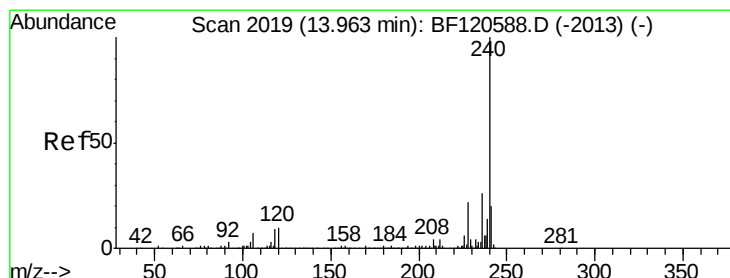
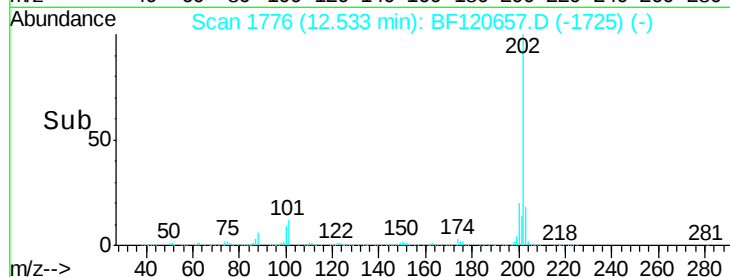
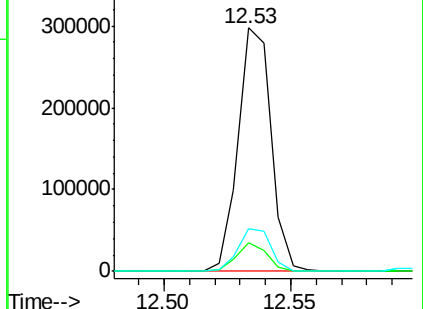
203 17.7 0.0 38.3



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: BF120657.D

Acq: 18 Jun 2020 22:22

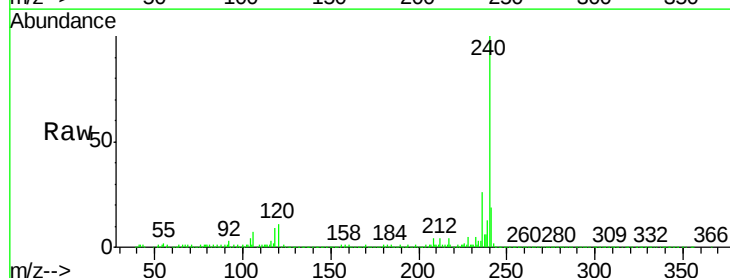
Tgt Ion:240 Resp: 417430

Ion Ratio Lower Upper

240 100

120 10.9 8.3 12.5

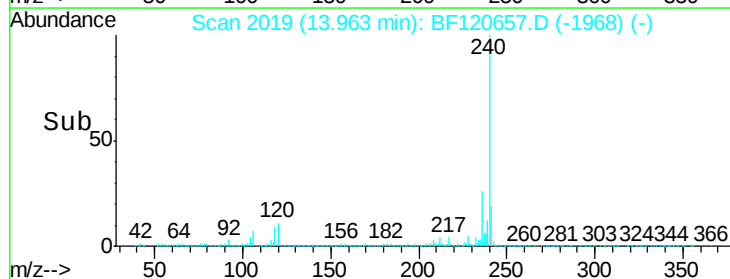
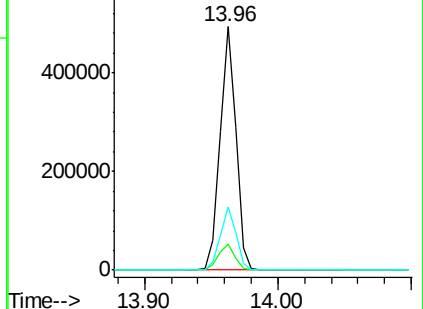
236 25.9 21.0 31.4

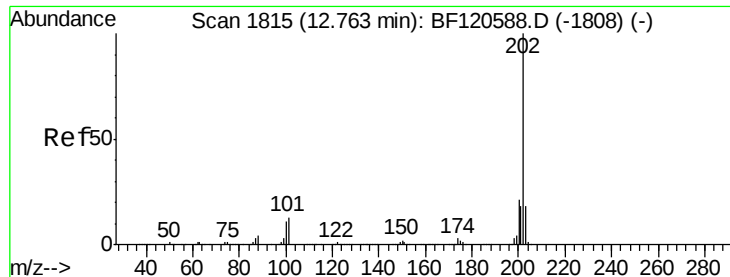


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

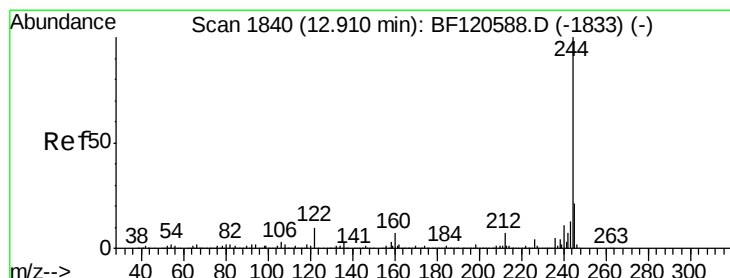
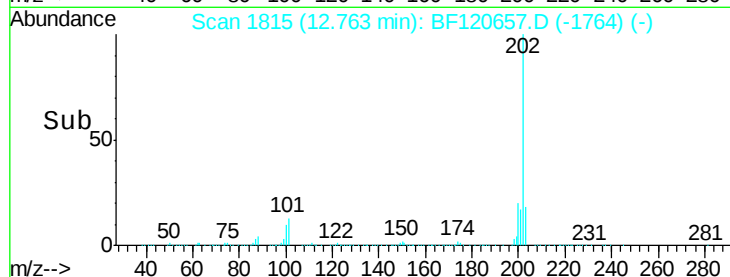
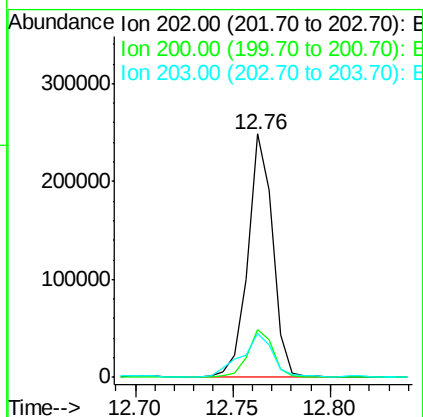
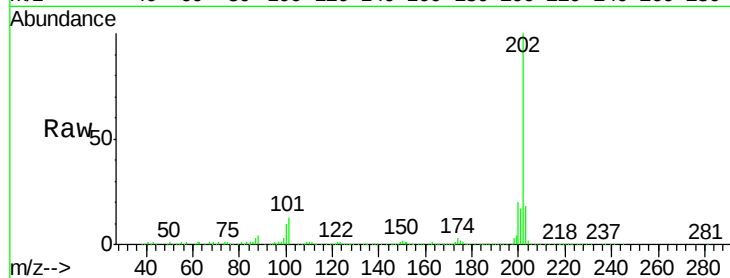




#78
Pvrene
Concen: 7.424 ng
RT: 12.76 min Scan# 1815
Delta R.T. 0.00 min
Lab File: BF120657.D
Acq: 18 Jun 2020 22:22

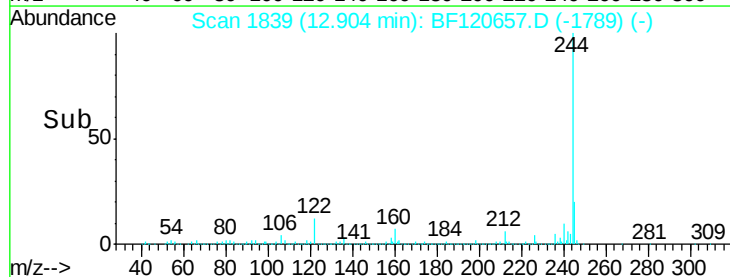
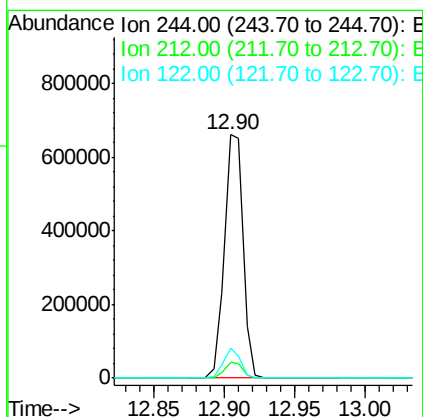
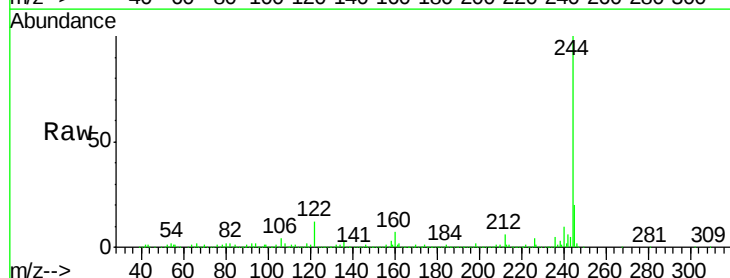
Instrument :
BNA_F
ClientSampleId :
TR-05-061720

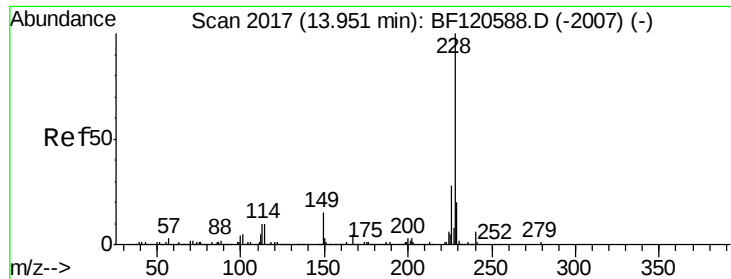
Tot Ion	Ratio	Lower	Upper
202	100		
200	19.8	16.8	25.2
203	18.2	14.3	21.5



#79
Terphenyl-d14
Concen: 32.283 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BF120657.D
Acq: 18 Jun 2020 22:22

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.7	8.5
122	12.2	8.3	12.5

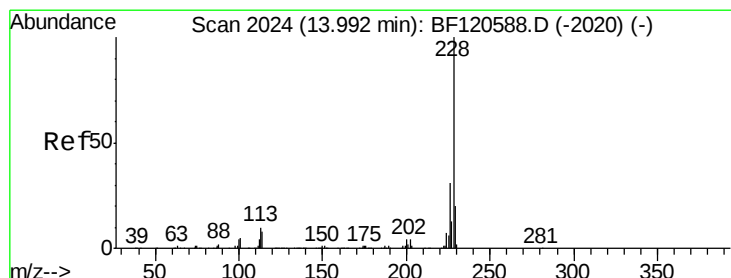
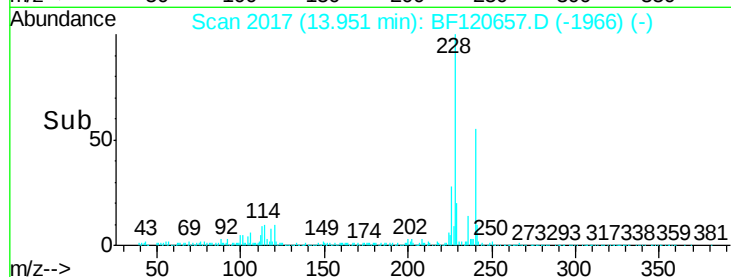
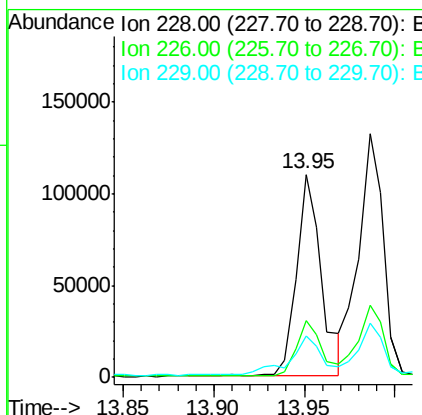
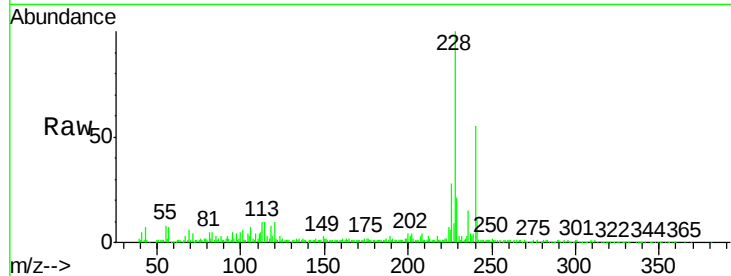




#81
Benzo(a)anthracene
Concen: 4.296 ng
RT: 13.95 min Scan# 2017
Delta R.T. 0.00 min
Lab File: BF120657.D
Acq: 18 Jun 2020 22:22

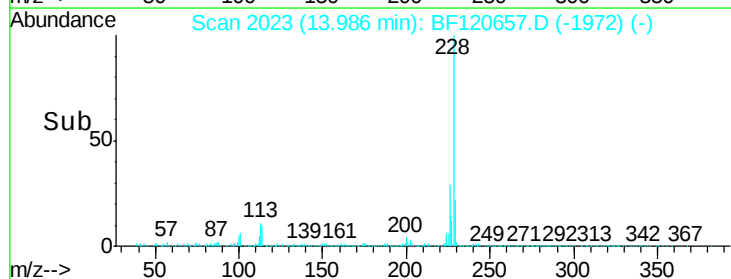
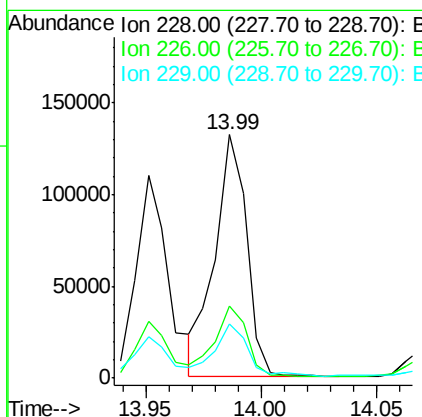
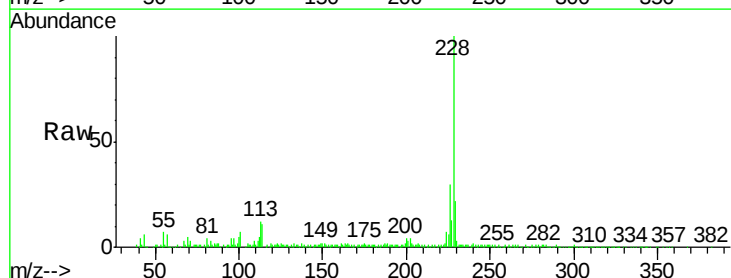
Instrument :
BNA_F
ClientSampleId :
TR-05-061720

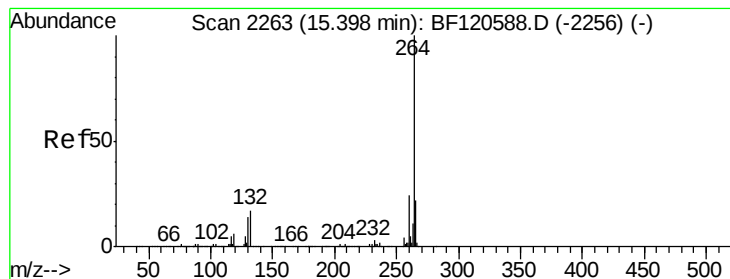
Tot Ion:228 Resp: 107738
Ion Ratio Lower Upper
228 100
226 28.1 22.5 33.7
229 20.6 16.1 24.1



#83
Chrysene
Concen: 4.936 ng
RT: 13.99 min Scan# 2023
Delta R.T. 0.00 min
Lab File: BF120657.D
Acq: 18 Jun 2020 22:22

Tgt Ion:228 Resp: 126977
Ion Ratio Lower Upper
228 100
226 29.6 24.9 37.3
229 22.4 16.1 24.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.41 min Scan# 2265

Delta R.T. 0.01 min

Lab File: BF120657.D

Acq: 18 Jun 2020 22:22

Instrument :

BNA_F

ClientSampleId :

TR-05-061720

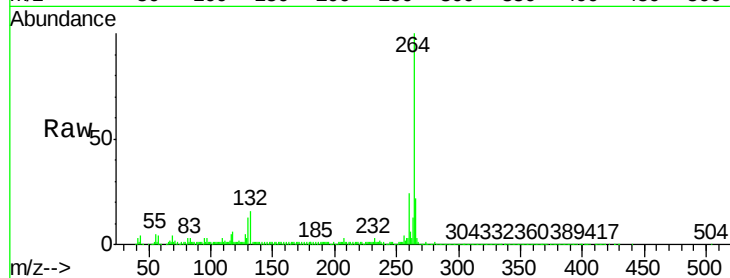
Tot Ion:264 Resp: 357935

Ion Ratio Lower Upper

264 100

260 24.0 19.3 28.9

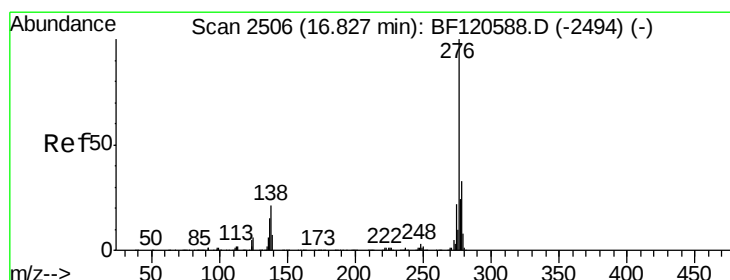
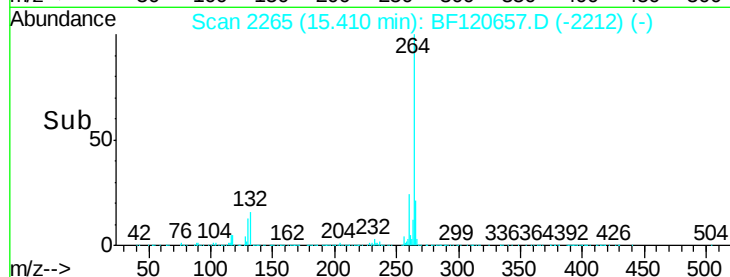
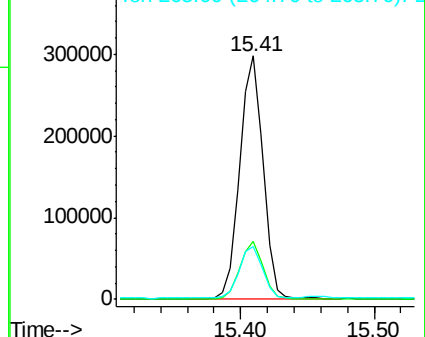
265 21.7 17.8 26.8



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: 2.348 ng

RT: 16.83 min Scan# 2507

Delta R.T. 0.01 min

Lab File: BF120657.D

Acq: 18 Jun 2020 22:22

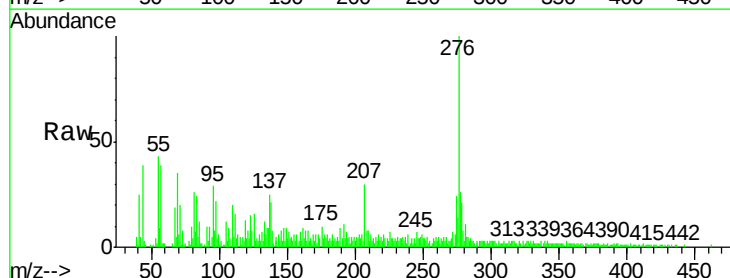
Tgt Ion:276 Resp: 51127

Ion Ratio Lower Upper

276 100

138 20.8 18.9 28.3

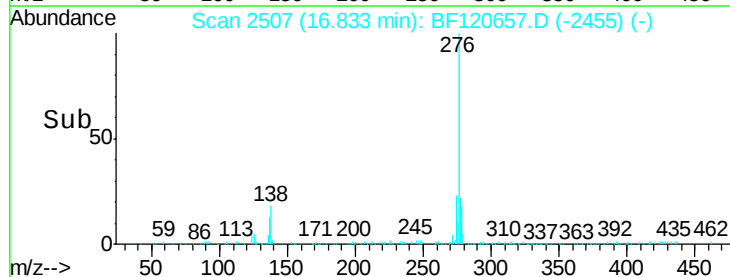
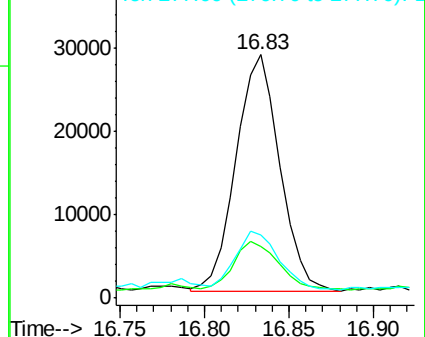
277 24.5 20.2 30.2

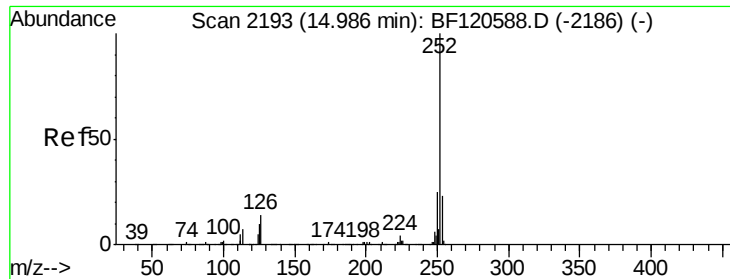


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#88

Benzo(b)fluoranthene

Concen: 8.916 ng

RT: 14.99 min Scan# 2194

Delta R.T. 0.01 min

Lab File: BF120657.D

Acq: 18 Jun 2020 22:22

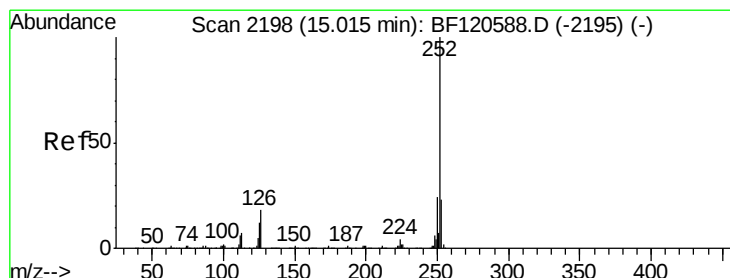
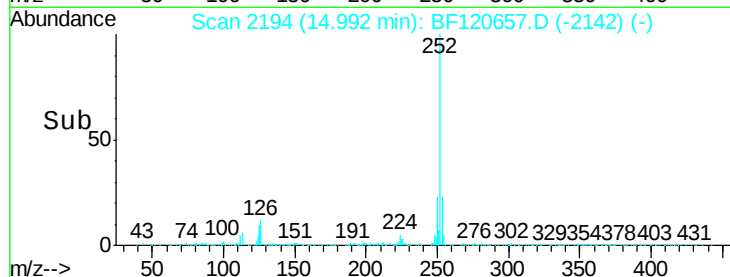
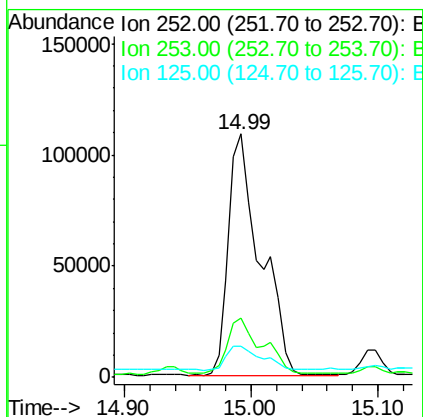
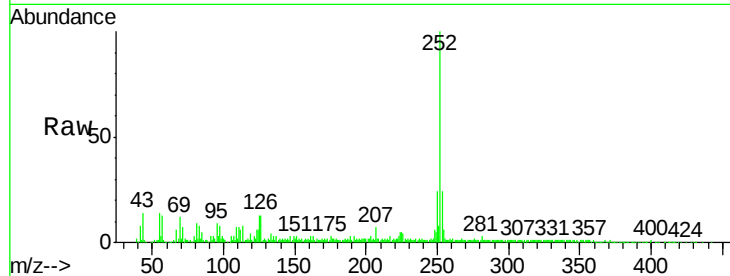
Instrument :

BNA_F

ClientSampleId :

TR-05-061720

Tot Ion:252	Resp:	190106
Ion Ratio	Lower	Upper
252	100	
253	24.1	18.1 27.1
125	12.9	8.3 12.5#



#89

Benzo(k)fluoranthene

Concen: 10.076 ng

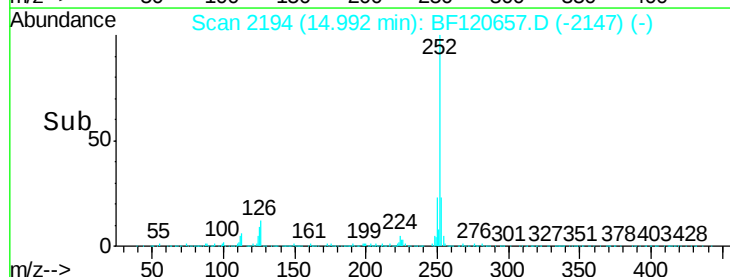
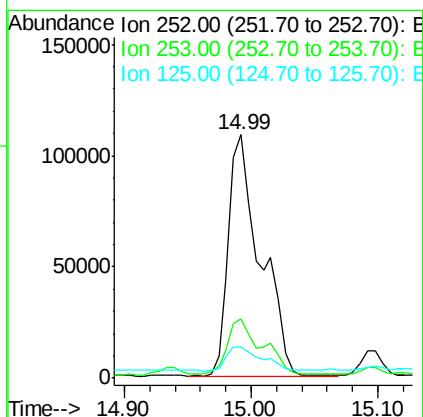
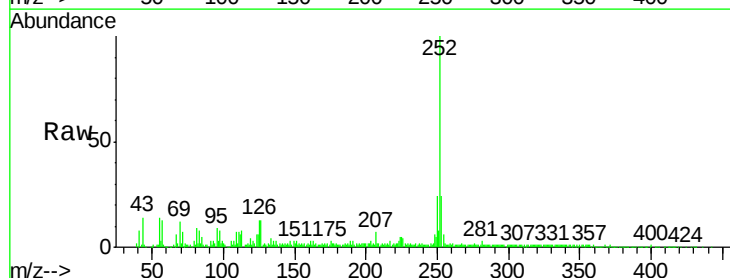
RT: 14.99 min Scan# 2194

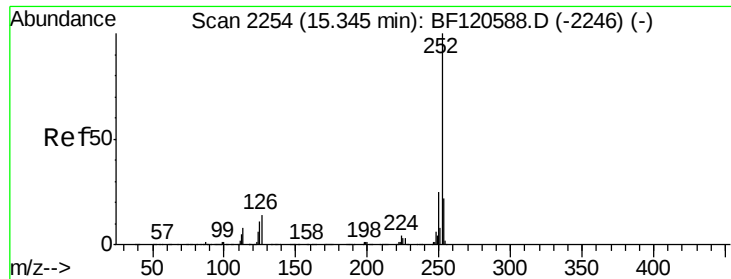
Delta R.T. -0.02 min

Lab File: BF120657.D

Acq: 18 Jun 2020 22:22

Tgt Ion:252	Resp:	190106
Ion Ratio	Lower	Upper
252	100	
253	24.1	18.0 27.0
125	12.9	8.3 12.5#

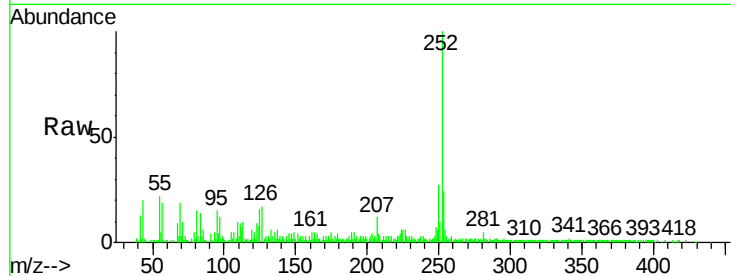




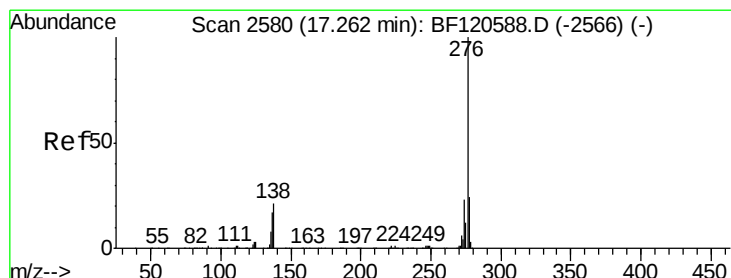
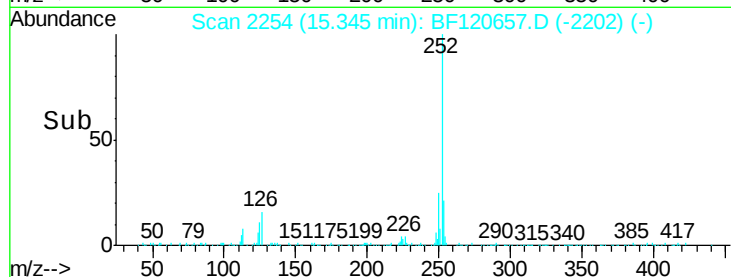
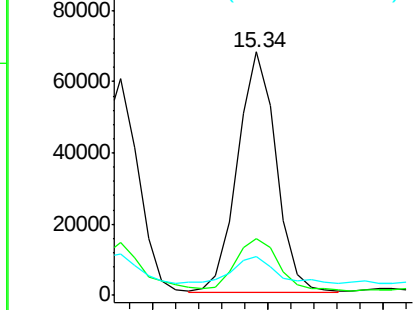
#90
Benzo(a)pyrene
Concen: 4.103 ng
RT: 15.34 min Scan# 2254
Delta R.T. 0.01 min
Lab File: BF120657.D
Acq: 18 Jun 2020 22:22

Instrument :
BNA_F
ClientSampleId :
TR-05-061720

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.8
125	15.8	8.6	12.8

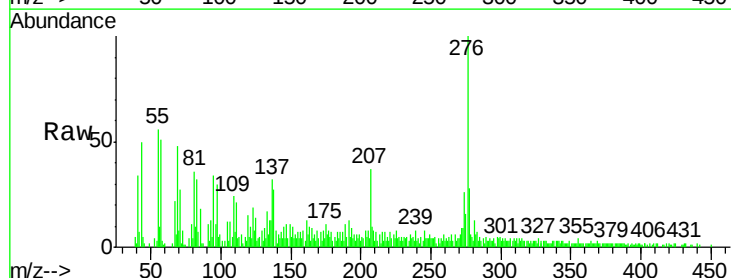


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 2.763 ng
RT: 17.26 min Scan# 2580
Delta R.T. 0.01 min
Lab File: BF120657.D
Acq: 18 Jun 2020 22:22

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.1	19.6	29.4
138	27.4	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

