

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062220\
 Data File : BF120691.D
 Acq On : 22 Jun 2020 22:34
 Operator : JU/CG
 Sample : L3082-12
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-13

Quant Time: Jun 23 01:38:10 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

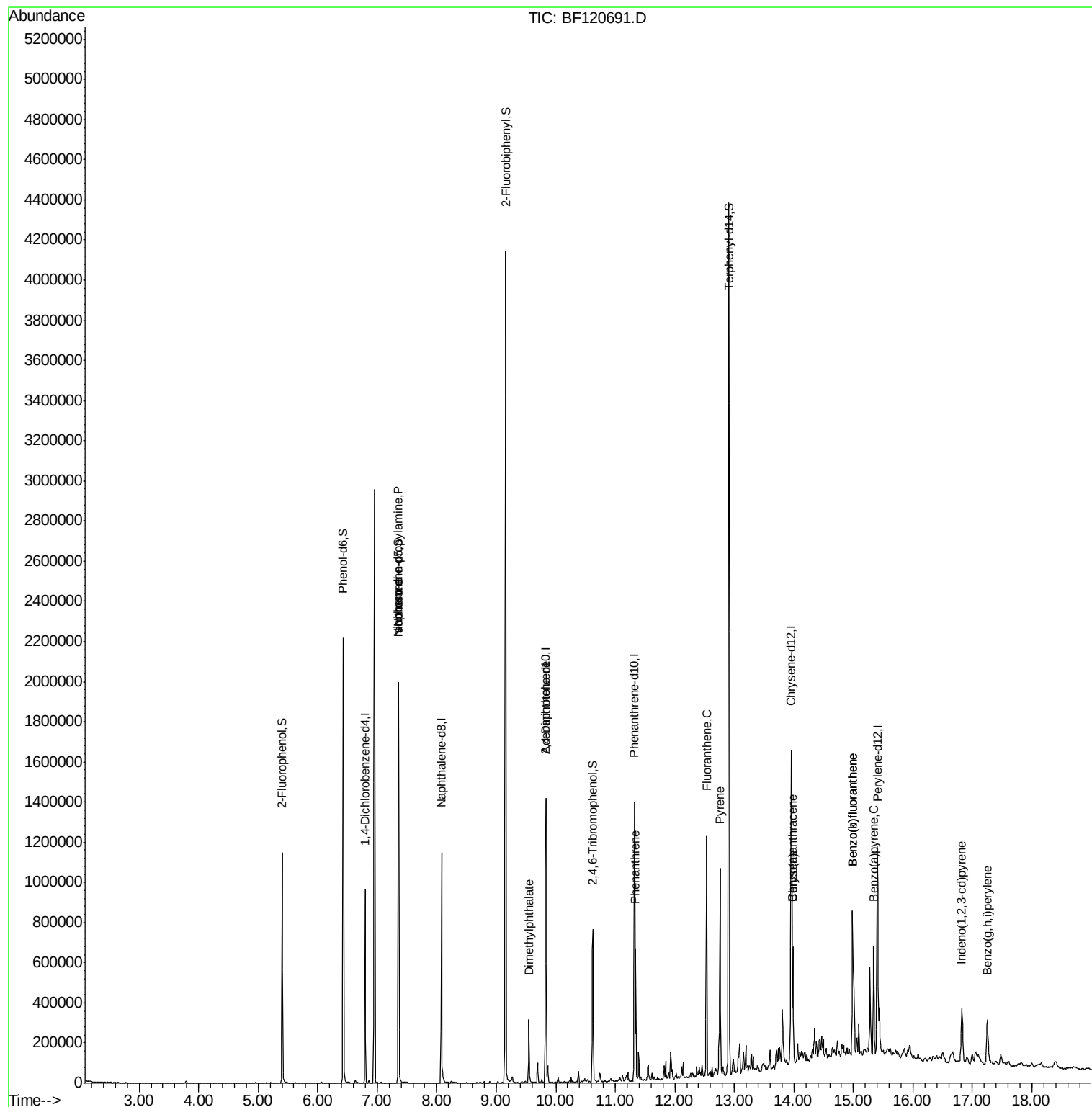
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	146365	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	547524	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	281539	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	562549	20.00	ng	0.00
76) Chrysene-d12	13.96	240	484354	20.00	ng	0.00
86) Perylene-d12	15.40	264	483224	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	335932	39.35	ng	-0.01
7) Phenol-d6	6.43	99	814975	76.65	ng	-0.01
23) Nitrobenzene-d5	7.36	82	700268	71.49	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	99852	30.51	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	1338255	72.73	ng	0.00
79) Terphenyl-d14	12.91	244	1659682	75.69	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	92744	15.037	ng	# 78
25) Isophorone	7.36	82	696937	36.526	ng	# 62
50) Dimethylphthalate	9.55	163	135630	6.689	ng	99
57) 2,4-Dinitrotoluene	9.83	165	35771	5.866	ng	# 29
71) Phenanthrene	11.34	178	246036	8.798	ng	99
75) Fluoranthene	12.53	202	473006	14.794	ng	98
78) Pyrene	12.76	202	434625	12.667	ng	98
81) Benzo(a)anthracene	13.99	228	233526	8.025	ng	95
83) Chrysene	13.99	228	233526	7.824	ng	98
87) Indeno(1,2,3-cd)pyrene	16.82	276	174469	5.936	ng	97
88) Benzo(b)fluoranthene	14.99	252	514944	17.890	ng	99
89) Benzo(k)fluoranthene	14.99	252	514944	20.217	ng	99
90) Benzo(a)pyrene	15.34	252	257192	9.984	ng	98
92) Benzo(a,h,i)perylene	17.25	276	178010	7.492	ng	100

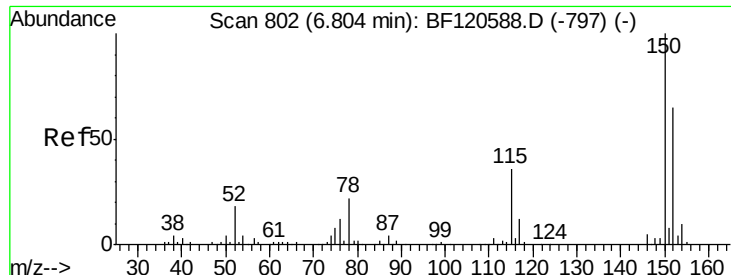
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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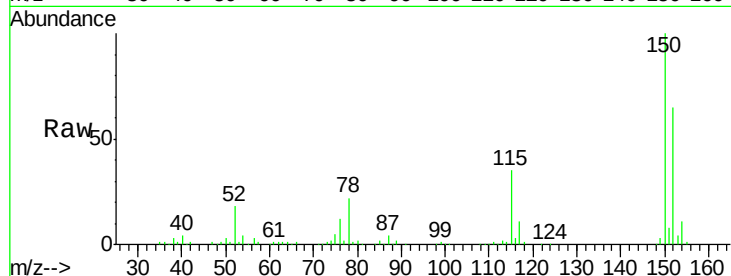


#1

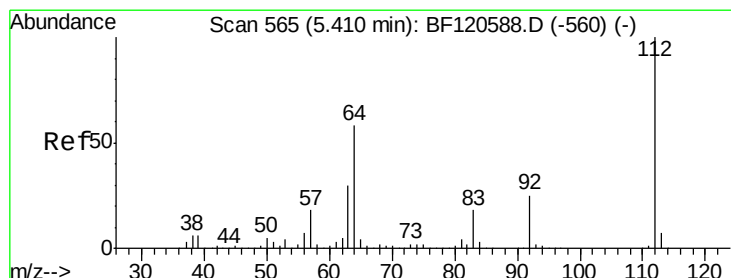
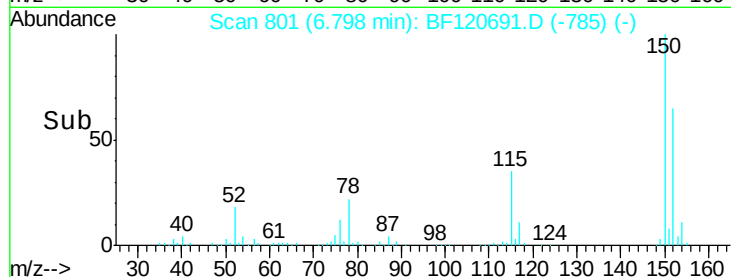
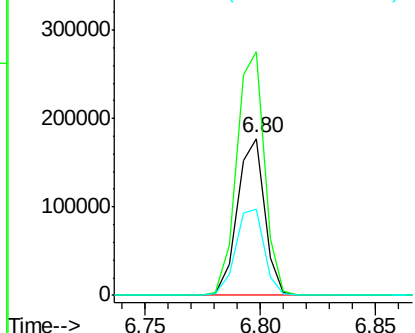
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF120691.D
Acq: 22 Jun 2020 22:34

Instrument :
BNA_F
ClientSampleId :
SB-13

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	123.2	184.8
115	54.8	43.9	65.9



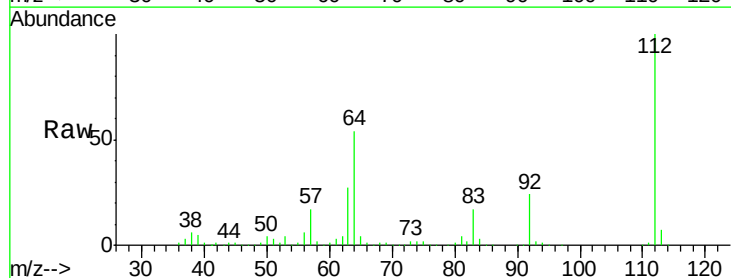
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



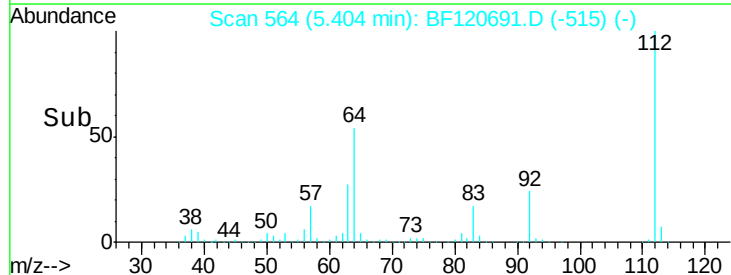
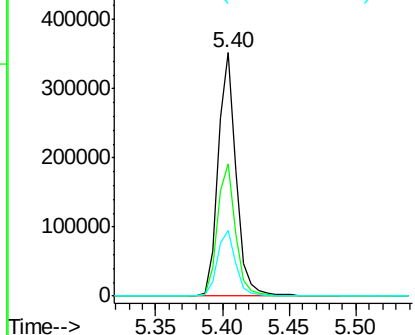
#5

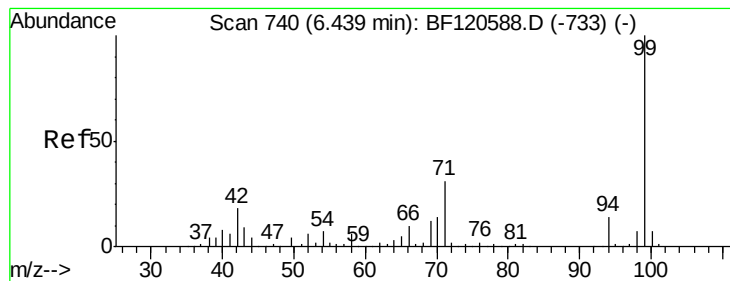
2-Fluorophenol
Concen: 39.350 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.01 min
Lab File: BF120691.D
Acq: 22 Jun 2020 22:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.4	46.1	69.1
63	26.9	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: 76.646 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF120691.D

Acq: 22 Jun 2020 22:34

Instrument :

BNA_F

ClientSampleId :

SB-13

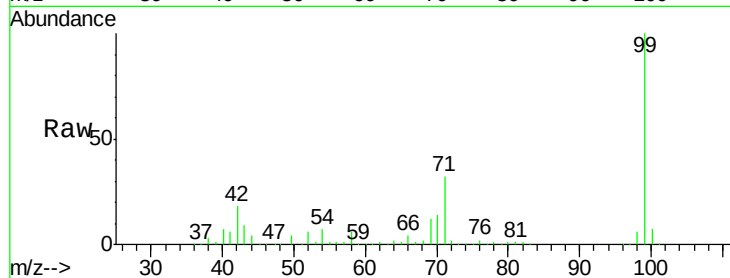
Tot Ion: 99 Resp: 814975

Ion Ratio Lower Upper

99 100

42 18.2 14.0 21.0

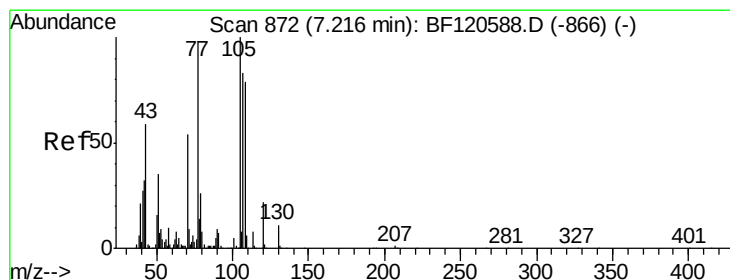
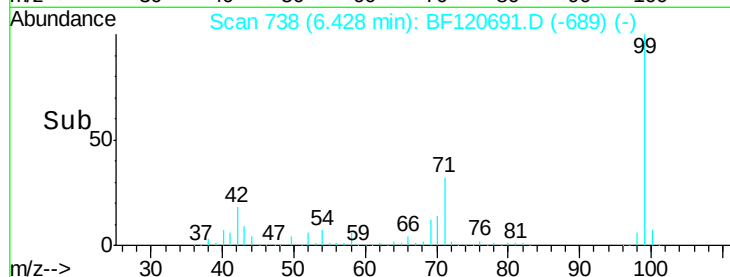
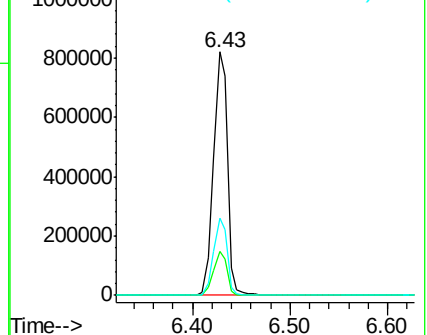
71 31.7 24.9 37.3



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: 15.037 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.14 min

Lab File: BF120691.D

Acq: 22 Jun 2020 22:34

Tgt Ion: 70 Resp: 92744

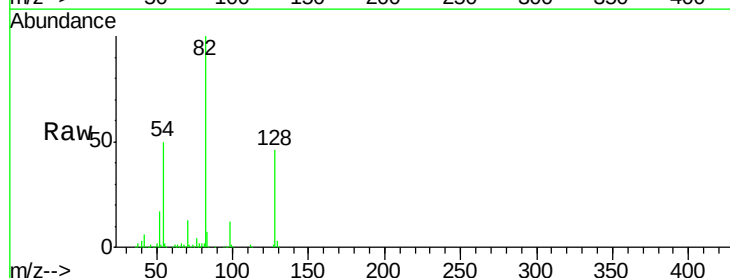
Ion Ratio Lower Upper

70 100

42 48.5 47.7 71.5

101 0.0 7.6 11.4#

130 2.6 16.7 25.1#

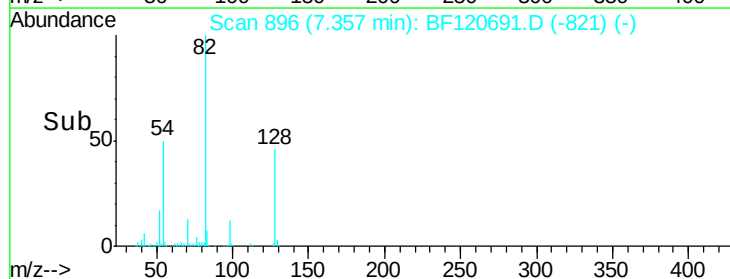
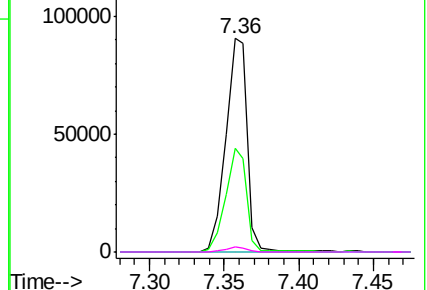


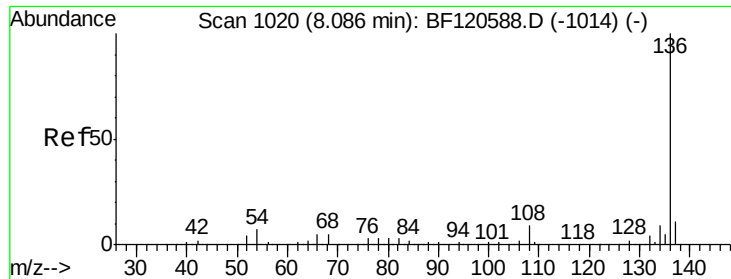
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

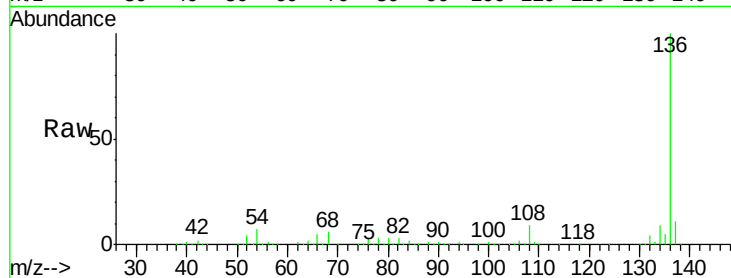




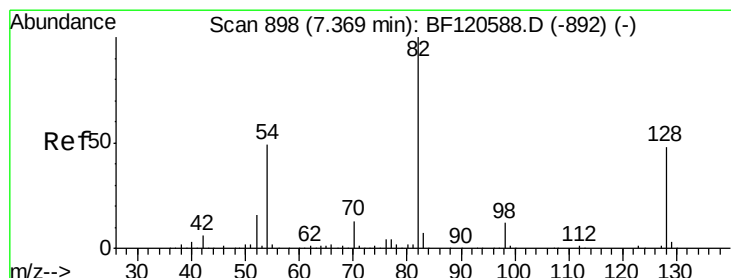
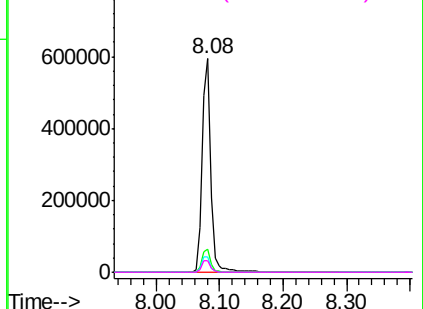
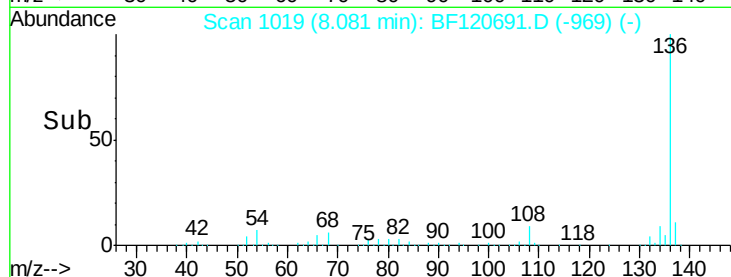
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF120691.D
Acq: 22 Jun 2020 22:34

Instrument :
BNA_F
ClientSampleId :
SB-13

Tot Ion:136	Resp:	547524
Ion	Ratio	Lower Upper
136	100	
137	10.8	8.6 13.0
54	7.0	5.8 8.6
68	5.6	4.4 6.6

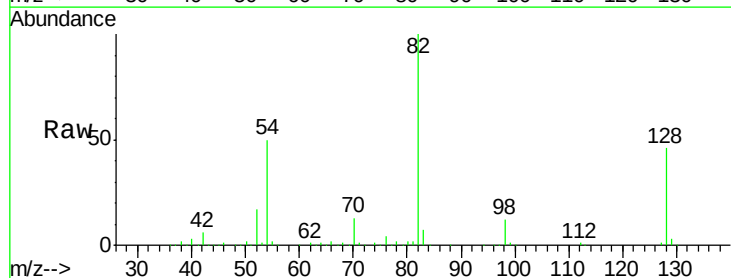


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

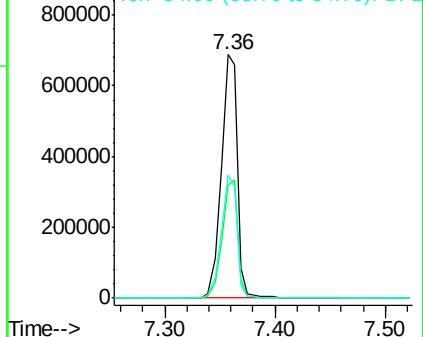
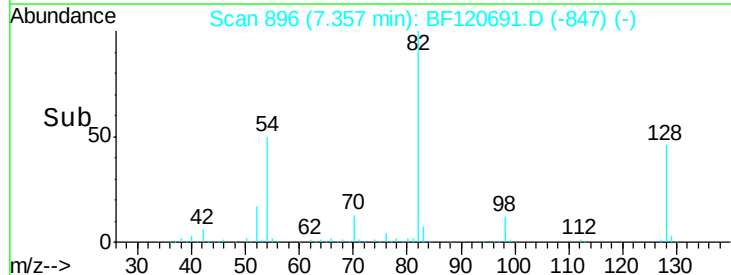


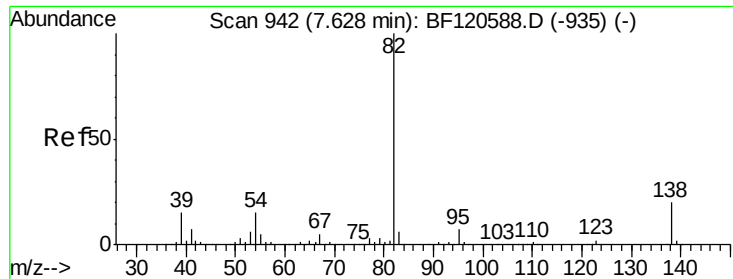
#23
Nitrobenzene-d5
Concen: 71.490 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF120691.D
Acq: 22 Jun 2020 22:34

Tgt Ion: 82	Resp:	700268
Ion	Ratio	Lower Upper
82	100	
128	46.2	38.0 57.0
54	50.5	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

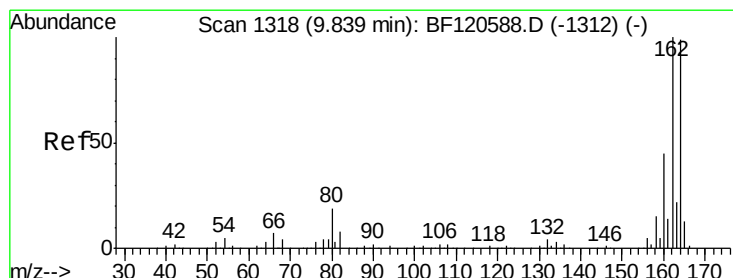
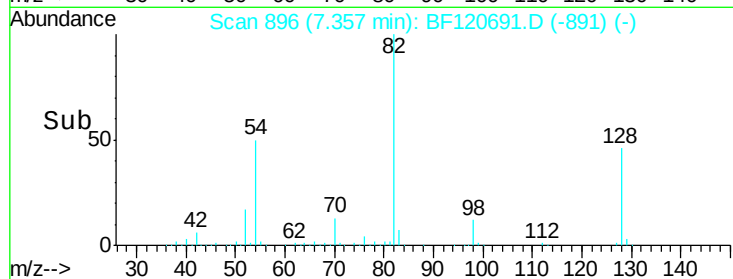
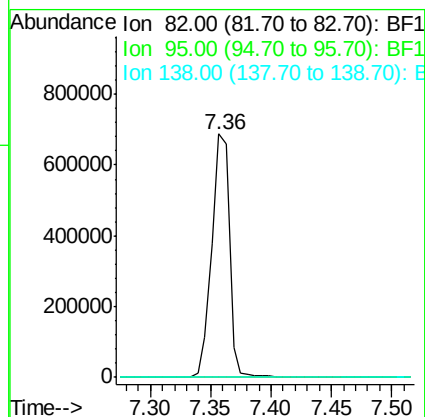
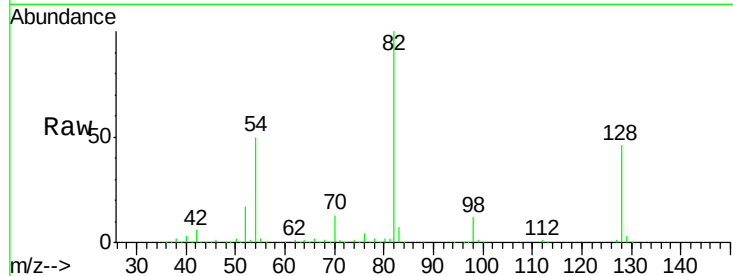




#25
Isophorone
Concen: 36.526 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.27 min
Lab File: BF120691.D
Acq: 22 Jun 2020 22:34

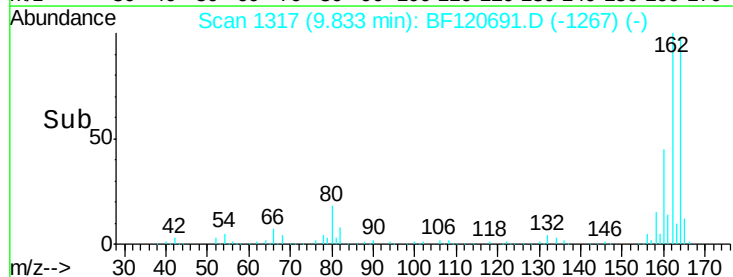
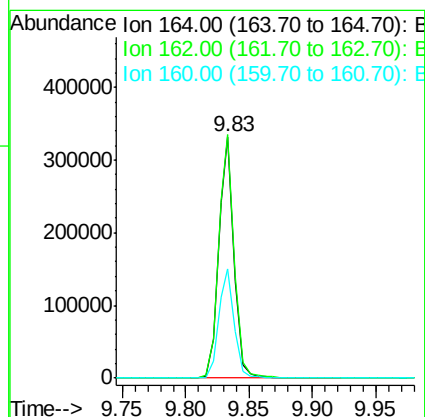
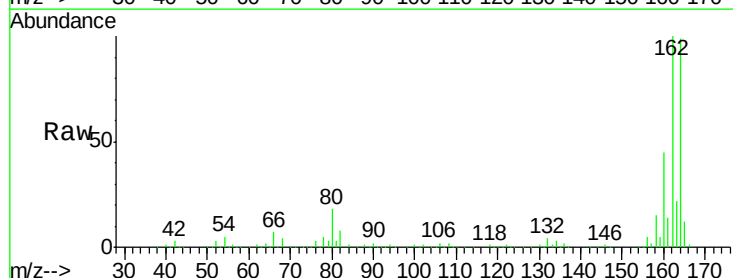
Instrument :
BNA_F
ClientSampled :
SB-13

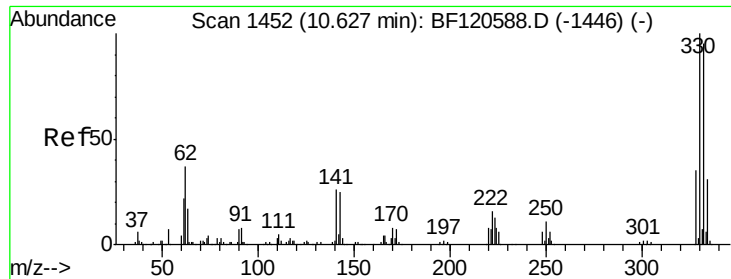
Tot Ion: 82 Resp: 696937
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF120691.D
Acq: 22 Jun 2020 22:34

Tgt Ion: 164 Resp: 281539
Ion Ratio Lower Upper
164 100
162 100.9 80.6 120.8
160 45.4 36.2 54.2

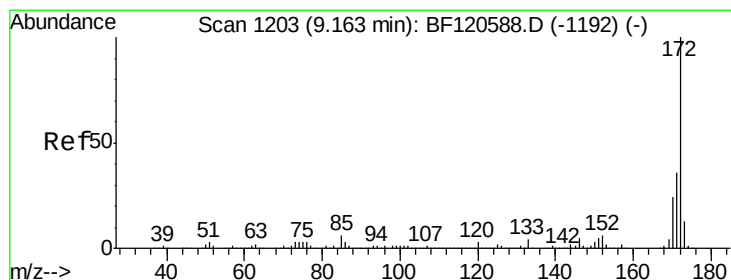
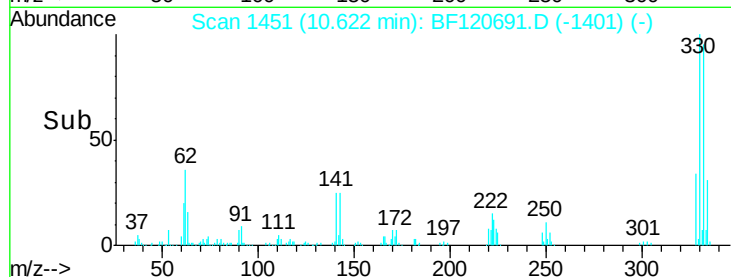
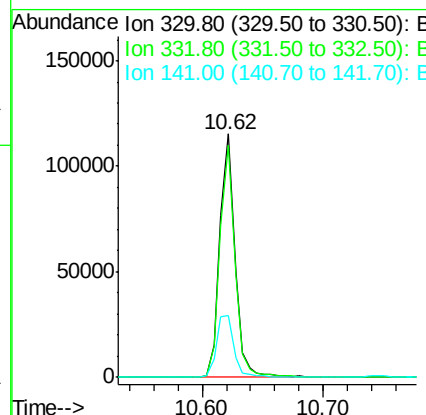
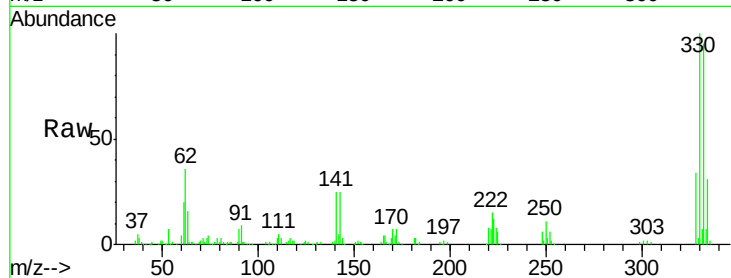




#42
 2,4,6-Tribromophenol
 Concen: 30.505 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.01 min
 Lab File: BF120691.D
 Acq: 22 Jun 2020 22:34

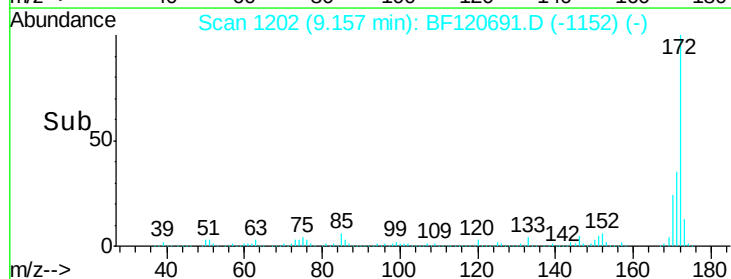
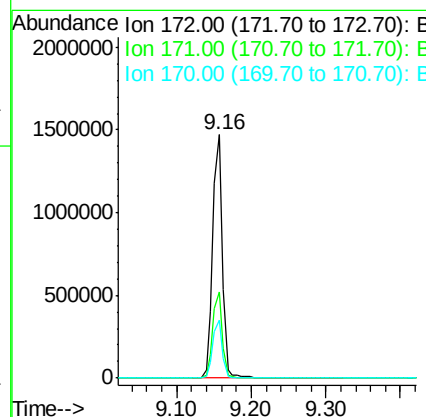
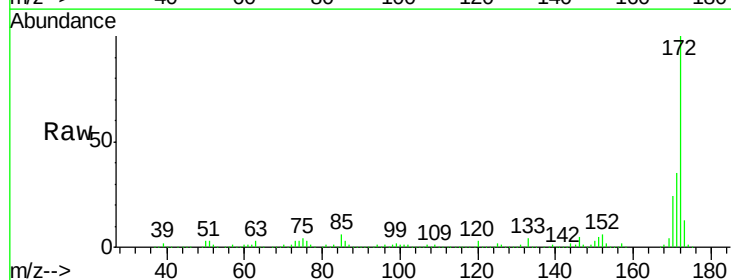
Instrument :
 BNA_F
 ClientSampleId :
 SB-13

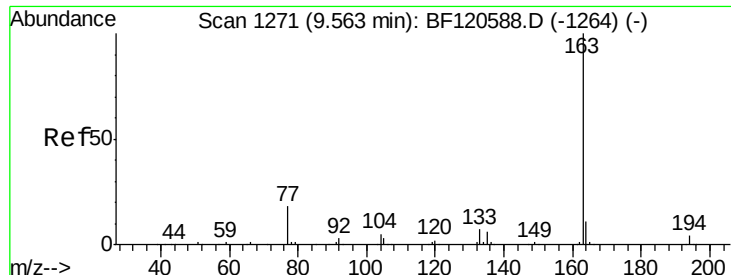
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.9	76.8	115.2
141	29.7	23.2	34.8



#45
 2-Fluorobiphenyl
 Concen: 72.726 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF120691.D
 Acq: 22 Jun 2020 22:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.0	43.4
170	24.1	19.4	29.2

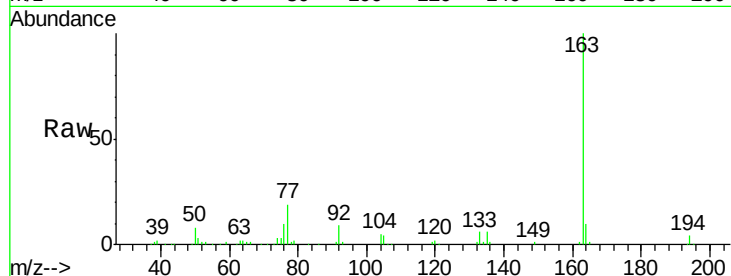




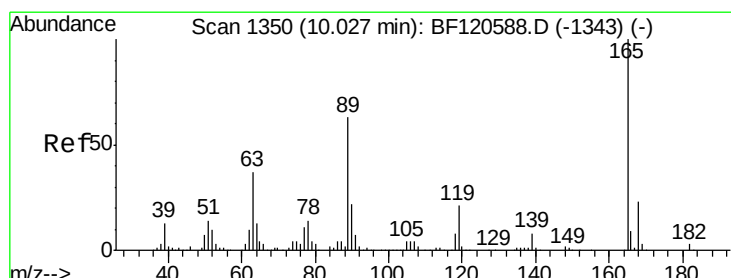
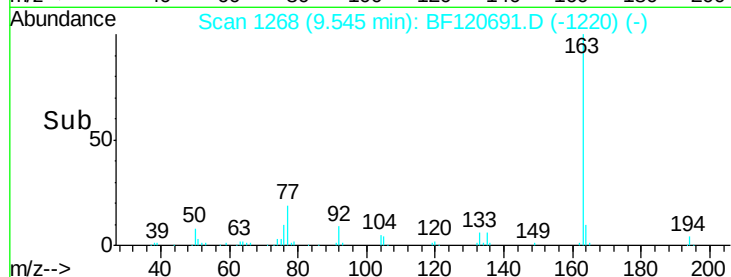
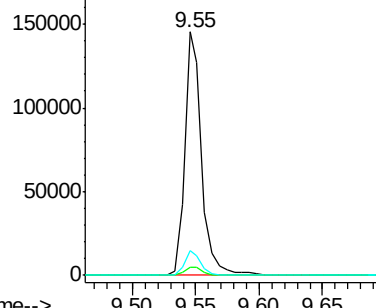
#50
Dimethylphthalate
Concen: 6.689 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.02 min
Lab File: BF120691.D
Acq: 22 Jun 2020 22:34

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
163	100		
194	3.5	3.1	4.7
164	10.0	8.5	12.7



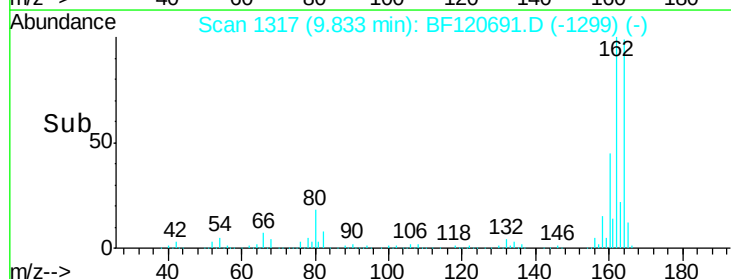
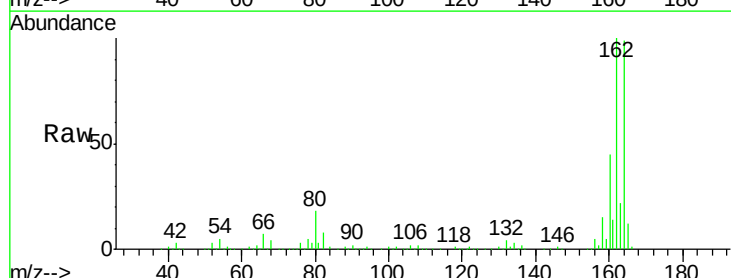
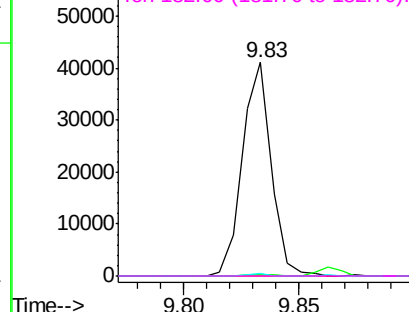
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

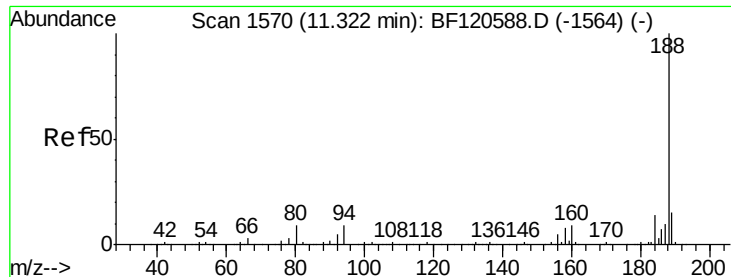


#57
2,4-Dinitrotoluene
Concen: 5.866 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.19 min
Lab File: BF120691.D
Acq: 22 Jun 2020 22:34

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.9	29.8	44.8#
89	1.0	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: BF120691.D

Acq: 22 Jun 2020 22:34

Instrument :

BNA_F

ClientSampleId :

SB-13

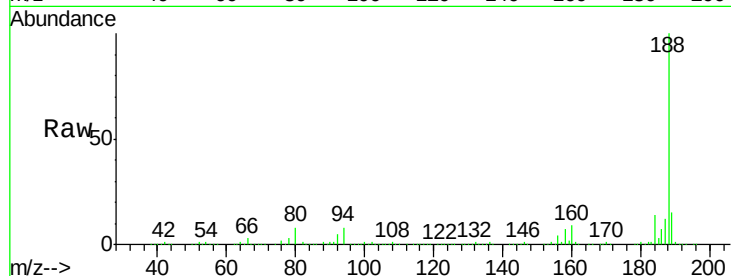
Tot Ion:188 Resp: 562549

Ion Ratio Lower Upper

188 100

94 8.1 7.2 10.8

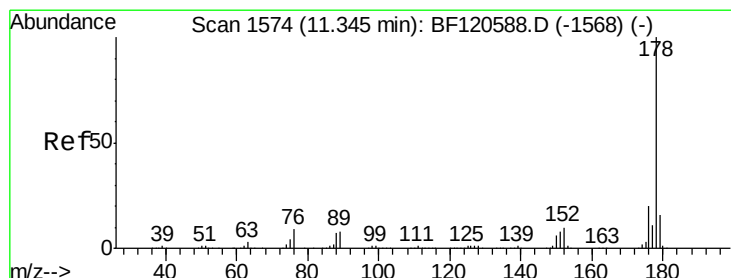
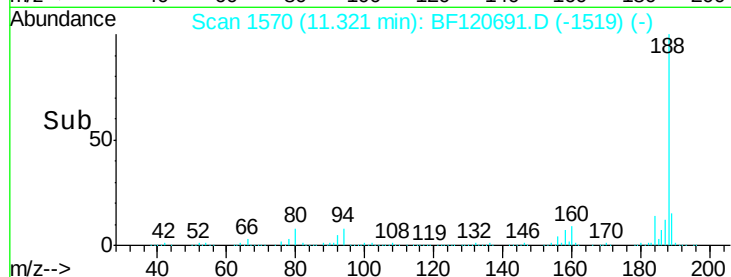
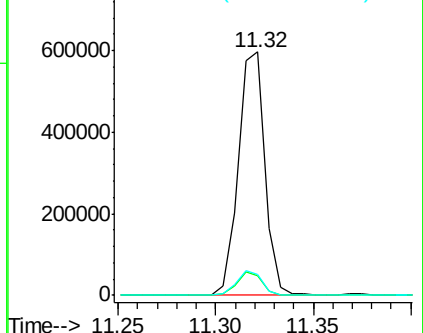
80 8.5 7.4 11.2



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: 8.798 ng

RT: 11.34 min Scan# 1573

Delta R.T. -0.01 min

Lab File: BF120691.D

Acq: 22 Jun 2020 22:34

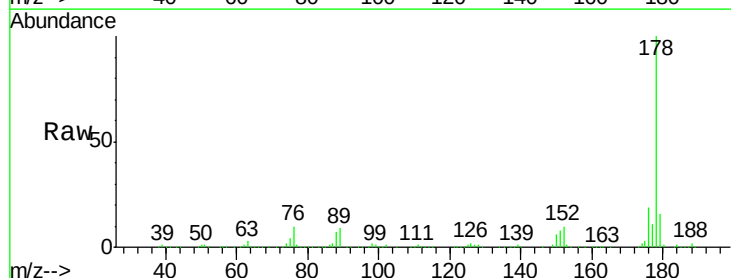
Tgt Ion:178 Resp: 246036

Ion Ratio Lower Upper

178 100

176 19.1 15.9 23.9

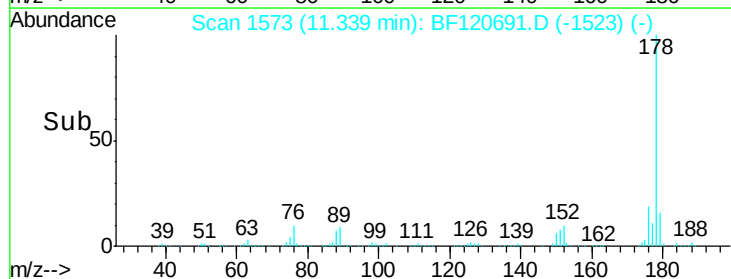
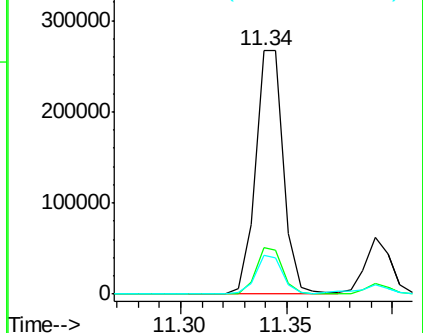
179 15.8 12.8 19.2

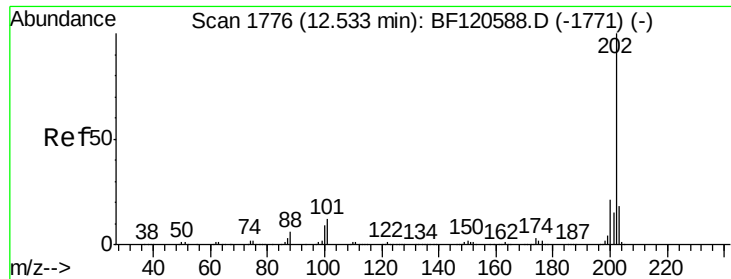


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 14.794 ng

RT: 12.53 min Scan# 1776

Delta R.T. 0.00 min

Lab File: BF120691.D

Acq: 22 Jun 2020 22:34

Instrument :

BNA_F

ClientSampleId :

SB-13

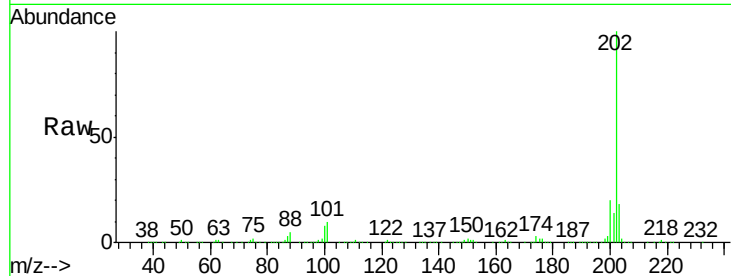
Tot Ion:202 Resp: 473006

Ion Ratio Lower Upper

202 100

101 10.4 0.0 32.0

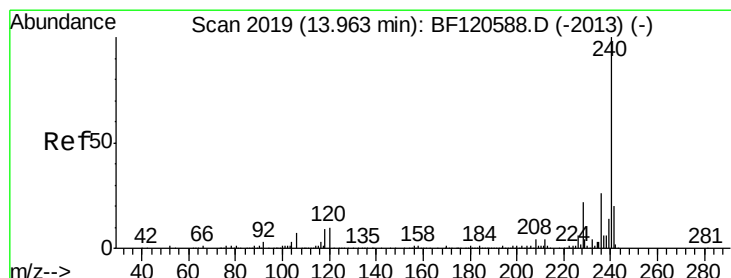
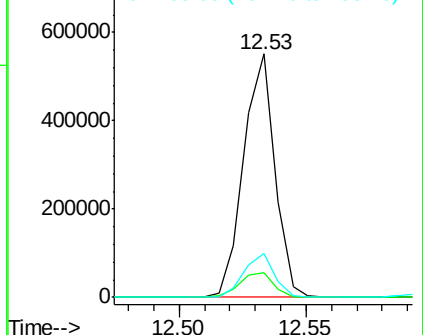
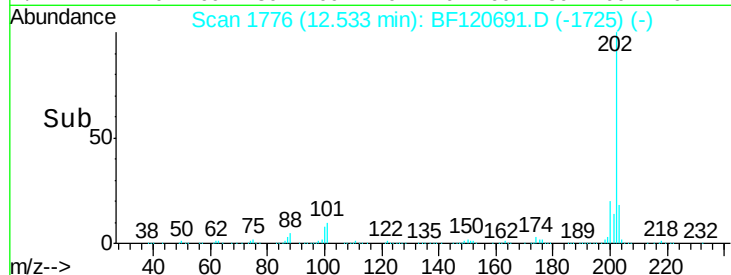
203 17.9 0.0 38.3



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: BF120691.D

Acq: 22 Jun 2020 22:34

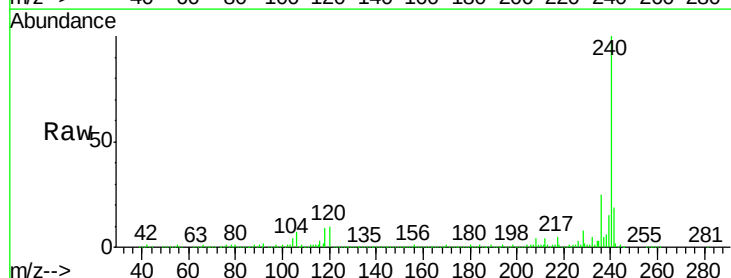
Tgt Ion:240 Resp: 484354

Ion Ratio Lower Upper

240 100

120 10.0 8.3 12.5

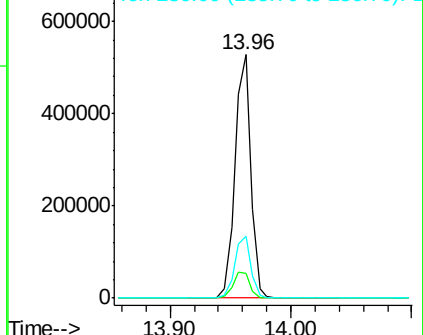
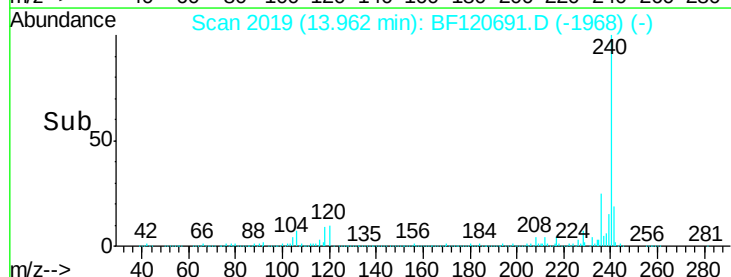
236 25.5 21.0 31.4

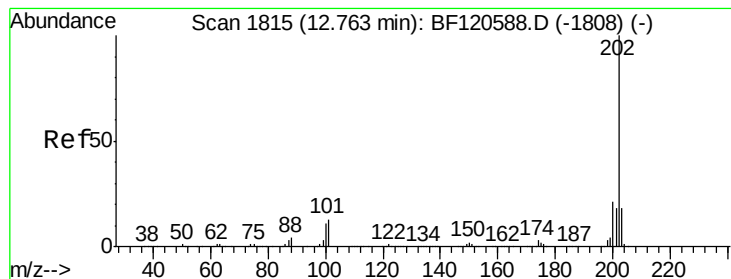


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 12.667 ng

RT: 12.76 min Scan# 1815

Delta R.T. 0.00 min

Lab File: BF120691.D

Acq: 22 Jun 2020 22:34

Instrument :

BNA_F

ClientSampleId :

SB-13

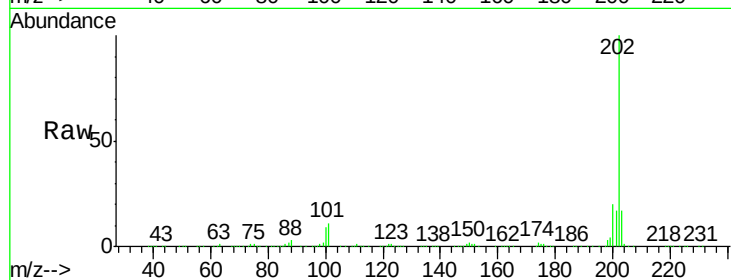
Tot Ion:202 Resp: 434625

Ion Ratio Lower Upper

202 100

200 19.9 16.8 25.2

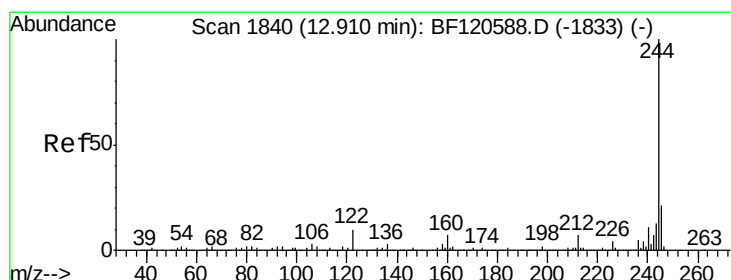
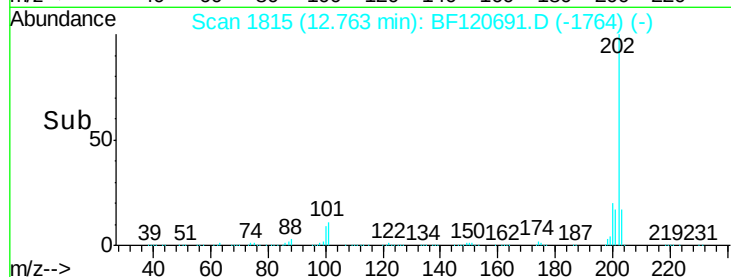
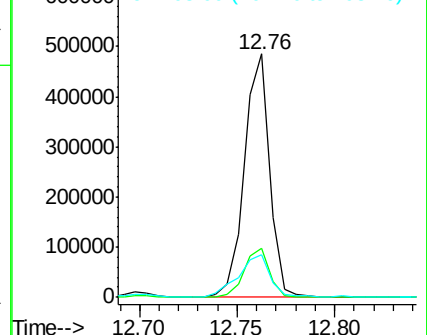
203 17.3 14.3 21.5



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: 75.689 ng

RT: 12.91 min Scan# 1840

Delta R.T. 0.00 min

Lab File: BF120691.D

Acq: 22 Jun 2020 22:34

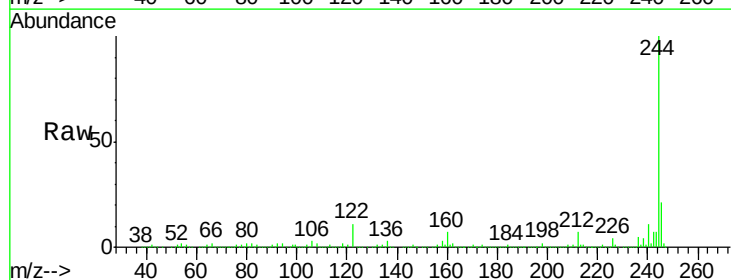
Tgt Ion:244 Resp: 1659682

Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

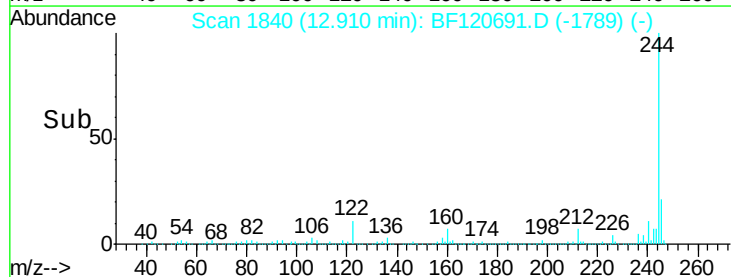
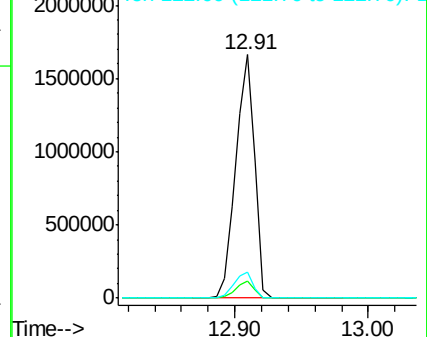
122 10.6 8.3 12.5

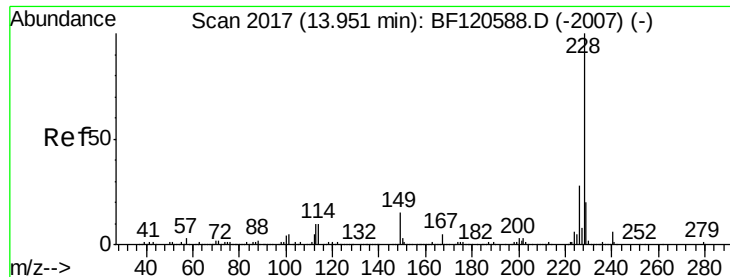


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 8.025 ng

RT: 13.99 min Scan# 2023

Delta R.T. 0.04 min

Lab File: BF120691.D

Acq: 22 Jun 2020 22:34

Instrument :

BNA_F

ClientSampleId :

SB-13

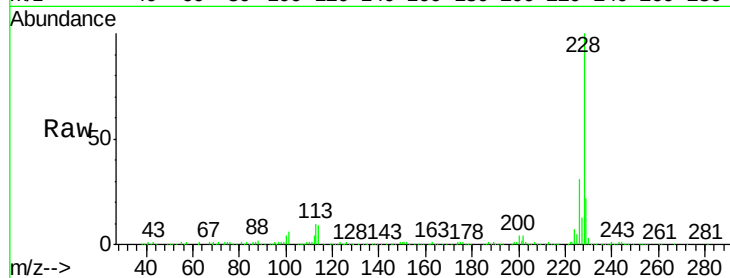
Tot Ion:228 Resp: 233526

Ion Ratio Lower Upper

228 100

226 30.7 22.5 33.7

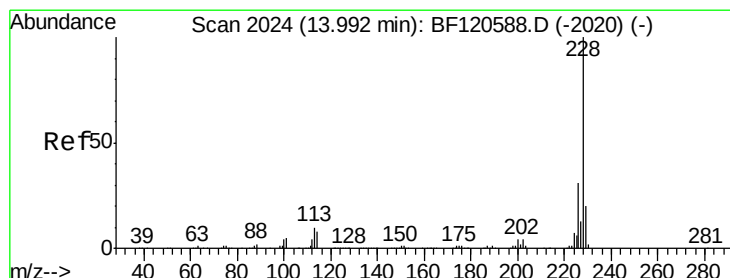
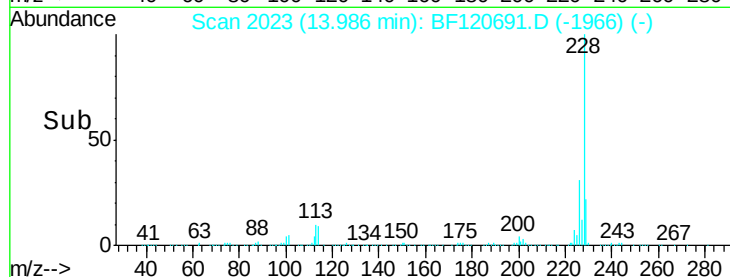
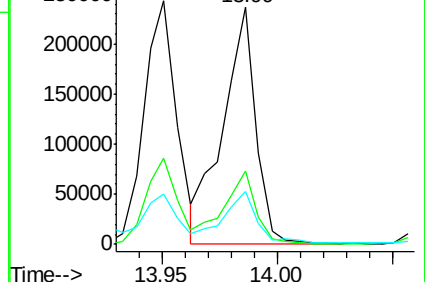
229 22.2 16.1 24.1



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: 7.824 ng

RT: 13.99 min Scan# 2023

Delta R.T. 0.00 min

Lab File: BF120691.D

Acq: 22 Jun 2020 22:34

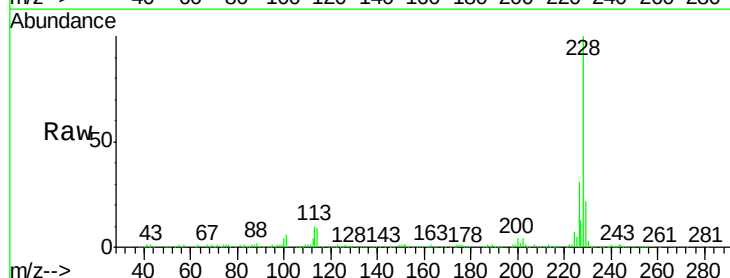
Tgt Ion:228 Resp: 233526

Ion Ratio Lower Upper

228 100

226 30.7 24.9 37.3

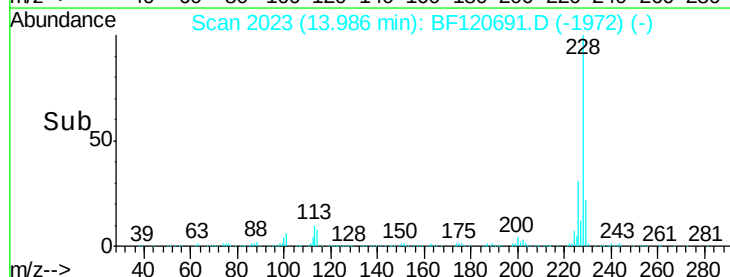
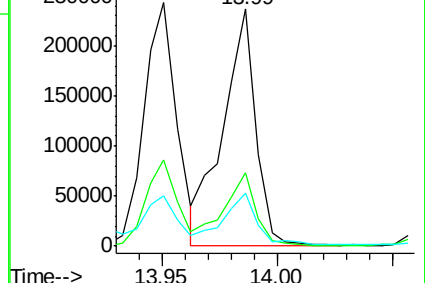
229 22.2 16.1 24.1

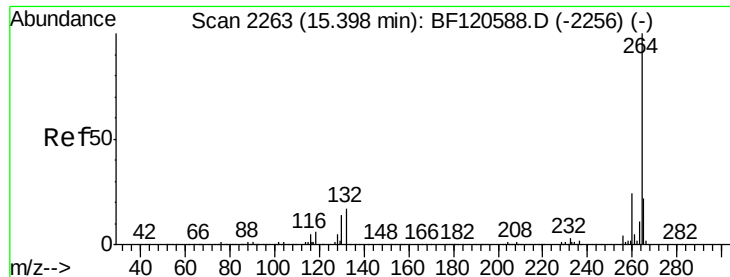


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

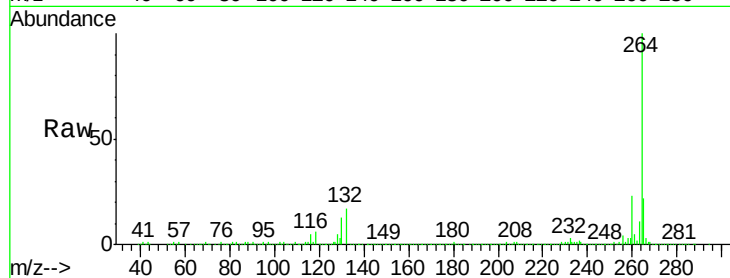




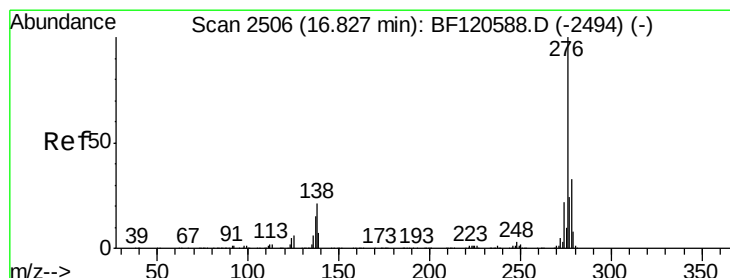
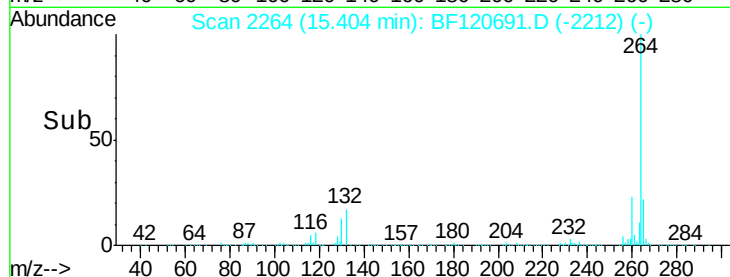
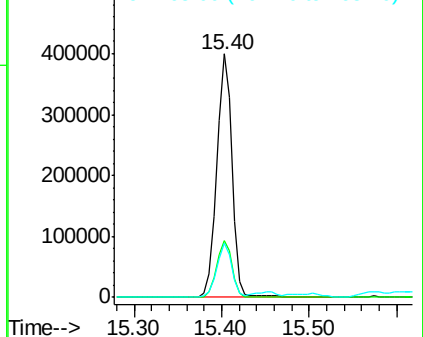
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.40 min Scan# 2264
Delta R.T. 0.01 min
Lab File: BF120691.D
Acq: 22 Jun 2020 22:34

Instrument :
BNA_F
ClientSampled :
SB-13

Tot Ion:264 Resp: 483224
Ion Ratio Lower Upper
264 100
260 23.4 19.3 28.9
265 22.4 17.8 26.8

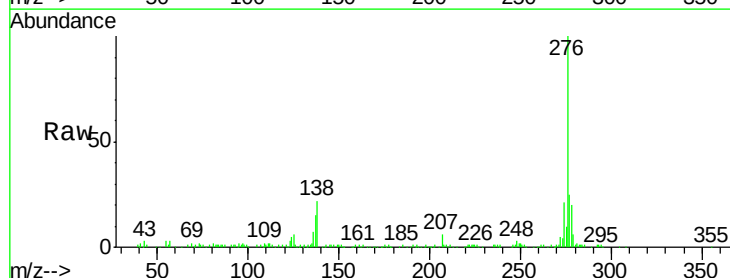


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

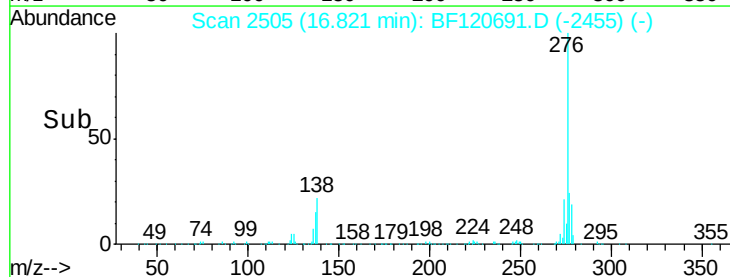
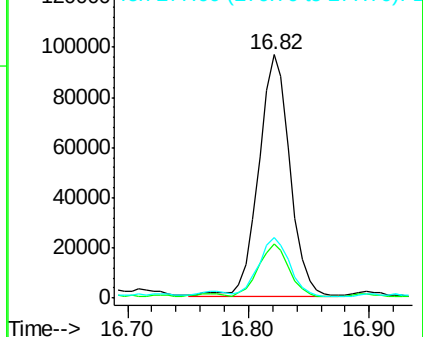


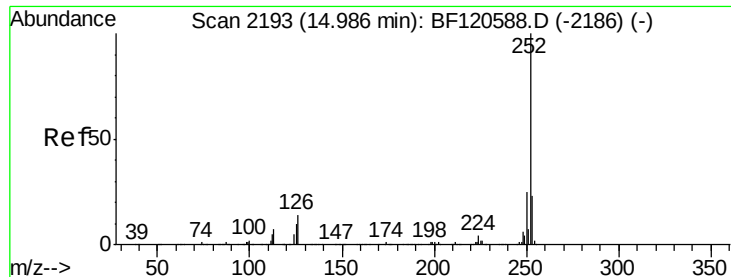
#87
Indeno(1,2,3-cd)pyrene
Concen: 5.936 ng
RT: 16.82 min Scan# 2505
Delta R.T. -0.01 min
Lab File: BF120691.D
Acq: 22 Jun 2020 22:34

Tgt Ion:276 Resp: 174469
Ion Ratio Lower Upper
276 100
138 21.4 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

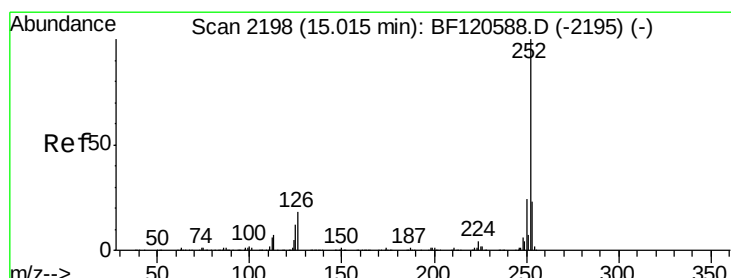
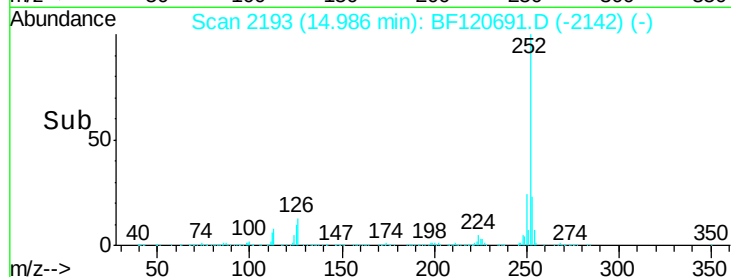
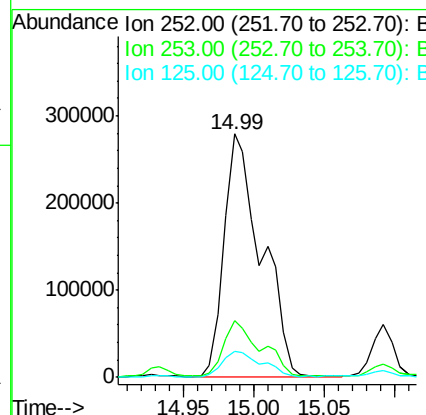
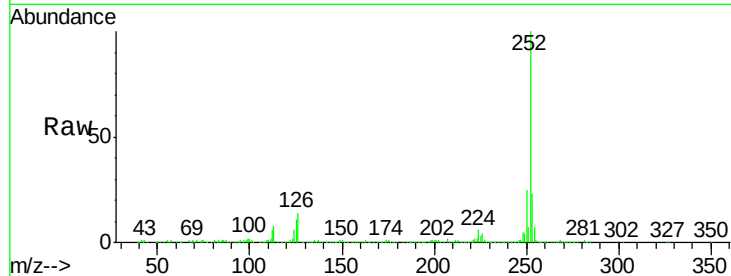




#88
Benzo(b)fluoranthene
Concen: 17.890 ng
RT: 14.99 min Scan# 2193
Delta R.T. 0.00 min
Lab File: BF120691.D
Acq: 22 Jun 2020 22:34

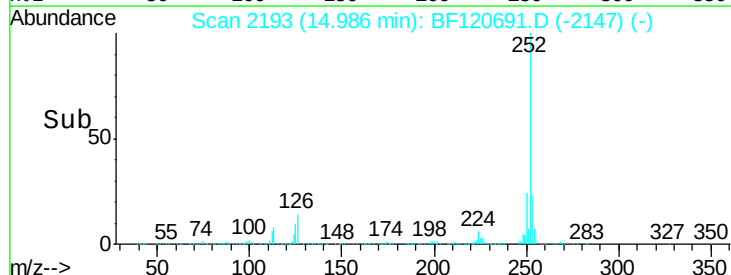
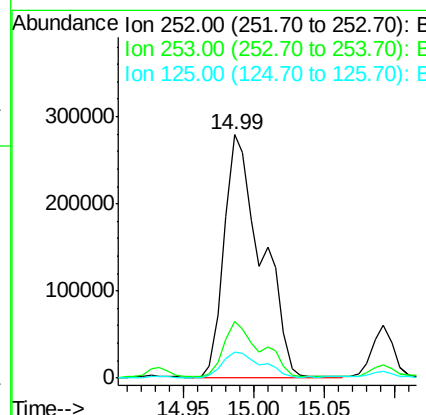
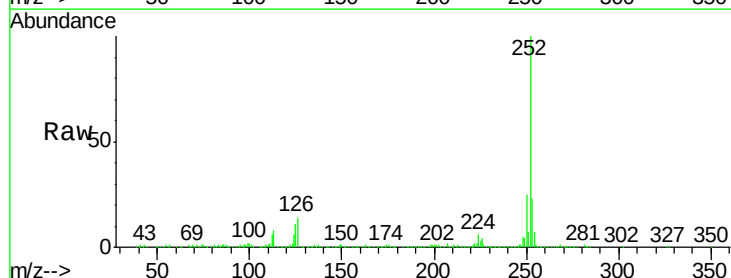
Instrument :
BNA_F
ClientSampleId :
SB-13

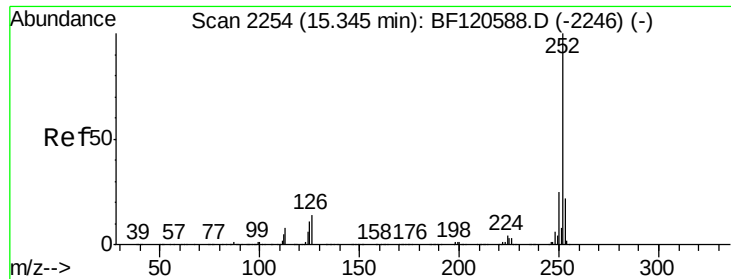
Tot Ion:252 Resp: 514944
Ion Ratio Lower Upper
252 100
253 23.1 18.1 27.1
125 10.8 8.3 12.5



#89
Benzo(k)fluoranthene
Concen: 20.217 ng
RT: 14.99 min Scan# 2193
Delta R.T. -0.03 min
Lab File: BF120691.D
Acq: 22 Jun 2020 22:34

Tgt Ion:252 Resp: 514944
Ion Ratio Lower Upper
252 100
253 23.1 18.0 27.0
125 10.8 8.3 12.5

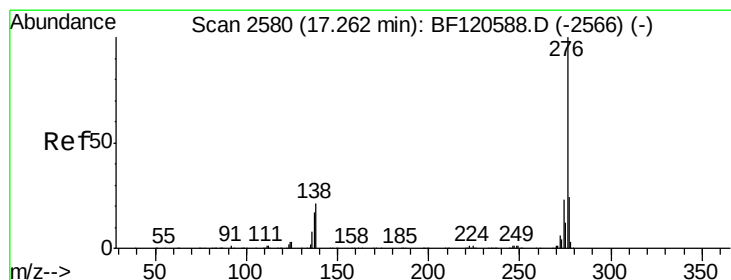
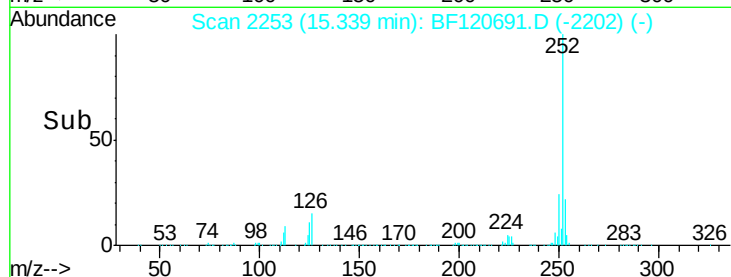
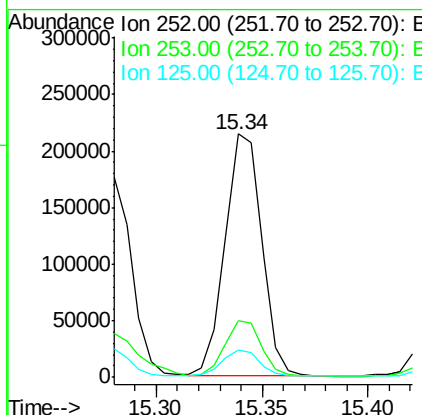
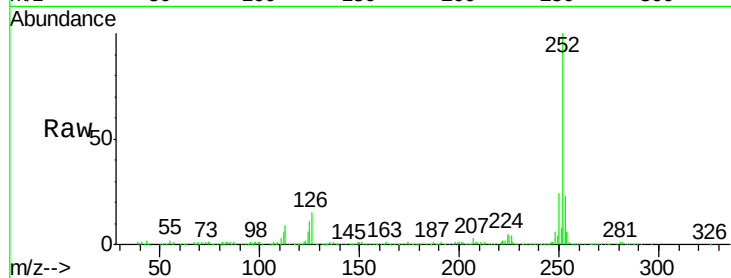




#90
Benzo(a)pyrene
Concen: 9.984 ng
RT: 15.34 min Scan# 2253
Delta R.T. 0.00 min
Lab File: BF120691.D
Acq: 22 Jun 2020 22:34

Instrument :
BNA_F
ClientSampleID :
SB-13

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.8
125	11.3	8.6	12.8



#92
Benzo(g,h,i)perylene
Concen: 7.492 ng
RT: 17.25 min Scan# 2578
Delta R.T. -0.01 min
Lab File: BF120691.D
Acq: 22 Jun 2020 22:34

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.6	29.4
138	20.6	16.5	24.7

