

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062220\
 Data File : BF120695.D
 Acq On : 23 Jun 2020 00:33
 Operator : JU/CG
 Sample : L3082-16
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-17

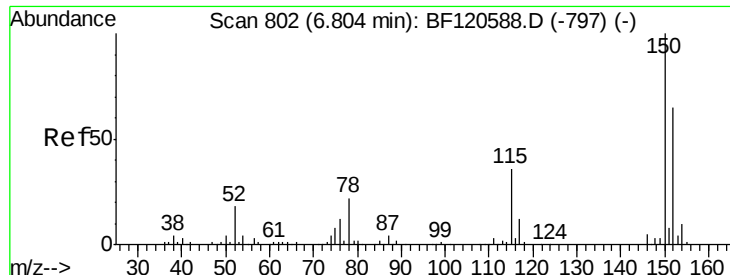
Quant Time: Jun 23 01:40:05 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 11 11:28:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	143406	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	537128	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	265007	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	308330	20.00	ng	0.00
76) Chrysene-d12	13.96	240	263706	20.00	ng	0.00
86) Perylene-d12	15.40	264	393447	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	816888	97.66	ng	0.00
7) Phenol-d6	6.43	99	1009631	96.91	ng	0.00
23) Nitrobenzene-d5	7.36	82	644438	67.06	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	322979	104.83	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	1123385	64.86	ng	0.00
79) Terphenyl-d14	12.91	244	951918	79.74	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.36	70	84563	13.993	ng	# 76
25) Isophorone	7.36	82	642200	34.308	ng	# 62
50) Dimethylphthalate	9.55	163	109054	5.714	ng	97
57) 2,4-Dinitrotoluene	9.83	165	33535	5.843	ng	# 29
67) 4-Bromophenyl-phenylether	10.62	248	19082	5.453	ng	# 1
71) Phenanthrene	11.35	178	48786	3.183	ng	97
75) Fluoranthene	12.53	202	59389	3.389	ng	96
78) Pyrene	12.76	202	64532	3.454	ng	98
88) Benzo(b)fluoranthene	14.99	252	56647	2.417	ng	# 92
89) Benzo(k)fluoranthene	14.99	252	56647	2.732	ng	# 92

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

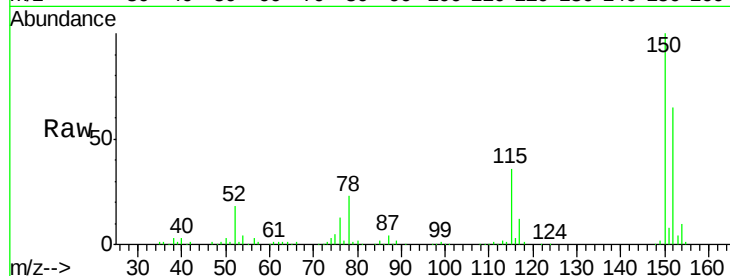


#1

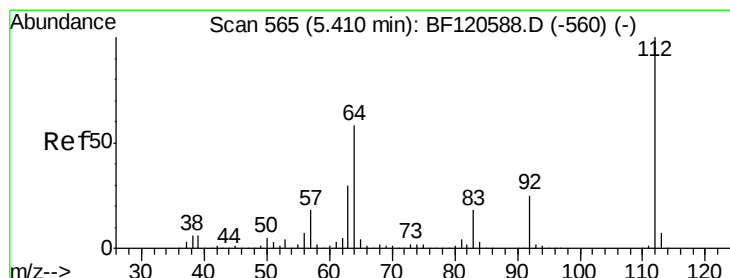
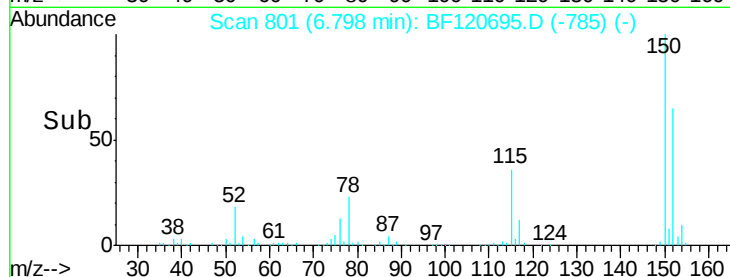
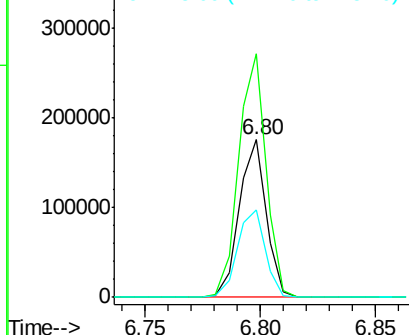
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF120695.D
Acq: 23 Jun 2020 00:33

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	154.5	123.2	184.8
115	55.5	43.9	65.9



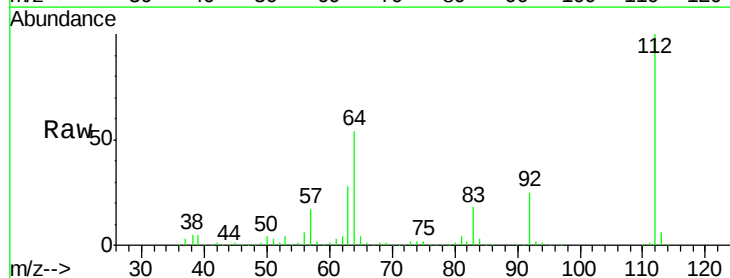
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



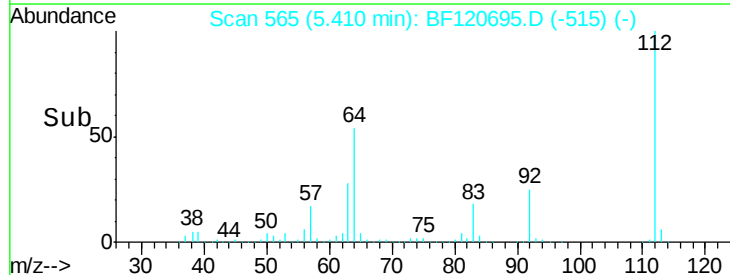
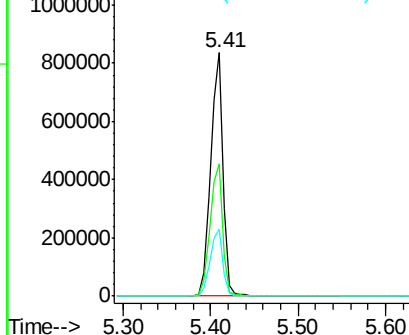
#5

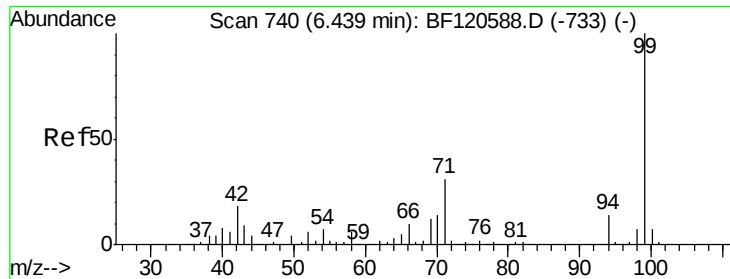
2-Fluorophenol
Concen: 97.661 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.01 min
Lab File: BF120695.D
Acq: 23 Jun 2020 00:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.1	46.1	69.1
63	27.7	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 96.912 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF120695.D

Acq: 23 Jun 2020 00:33

Instrument :

BNA_F

ClientSampled :

SB-17

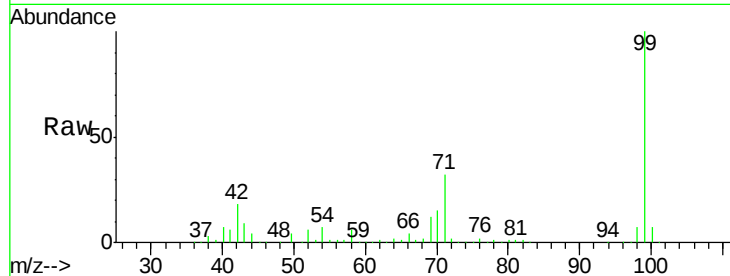
Tot Ion: 99 Resp: 1009631

Ion Ratio Lower Upper

99 100

42 17.9 14.0 21.0

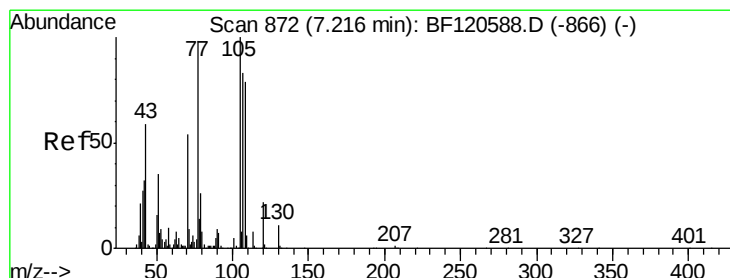
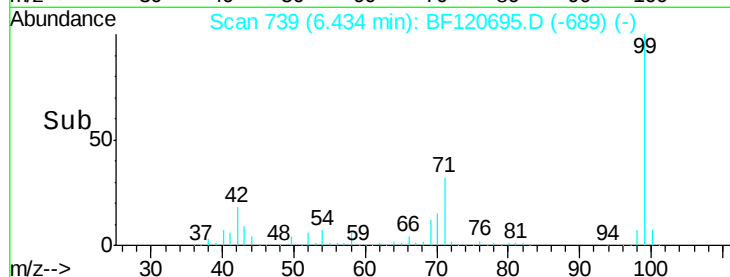
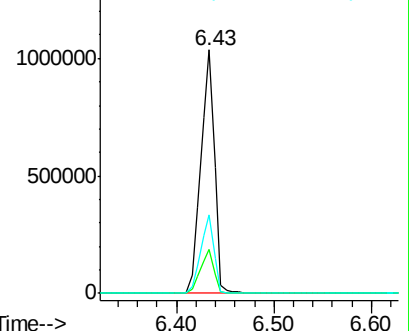
71 32.4 24.9 37.3



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: 13.993 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.15 min

Lab File: BF120695.D

Acq: 23 Jun 2020 00:33

Tgt Ion: 70 Resp: 84563

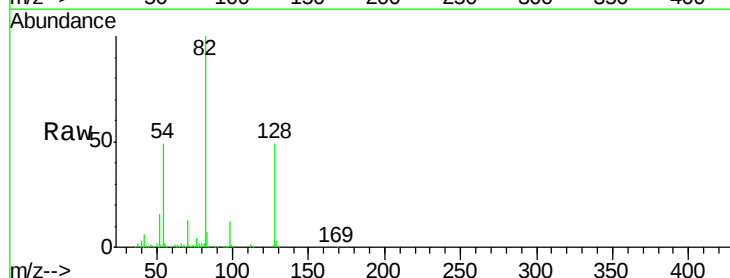
Ion Ratio Lower Upper

70 100

42 46.2 47.7 71.5#

101 0.0 7.6 11.4#

130 2.3 16.7 25.1#

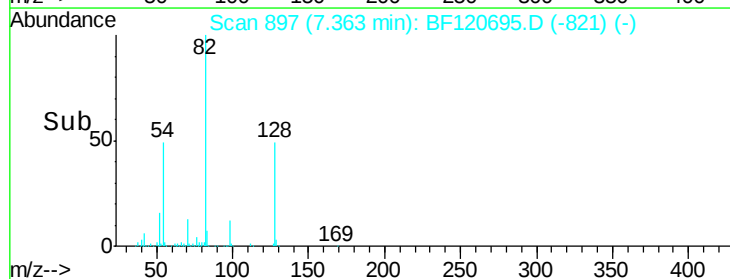
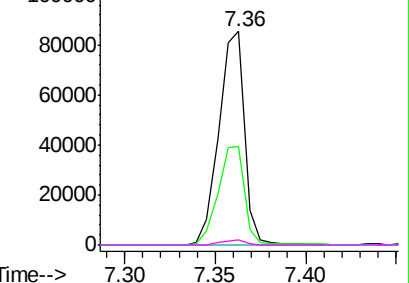


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

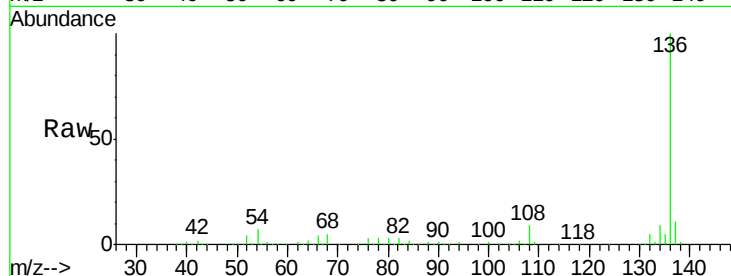




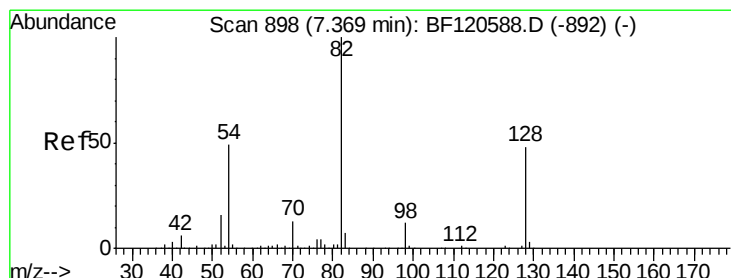
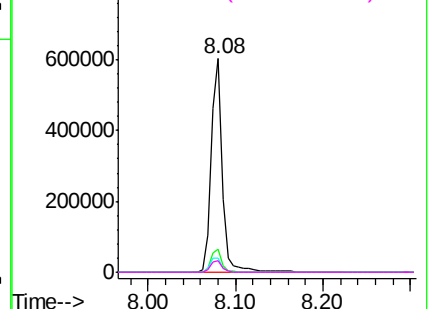
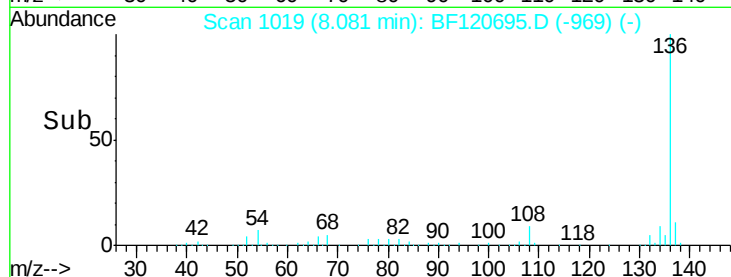
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF120695.D
Acq: 23 Jun 2020 00:33

Instrument :
BNA_F
ClientSampleId :
SB-17

Tot Ion:136	Resp: 537128
Ion Ratio	Lower Upper
136 100	
137 10.7	8.6 13.0
54 6.7	5.8 8.6
68 5.5	4.4 6.6

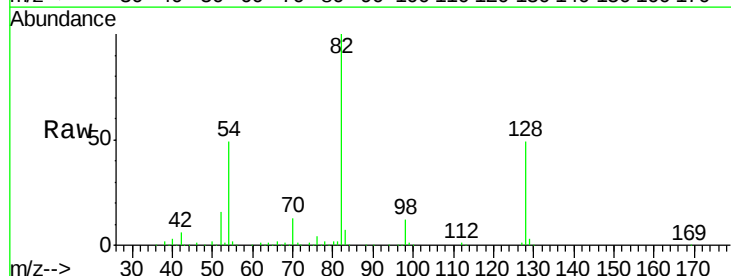


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

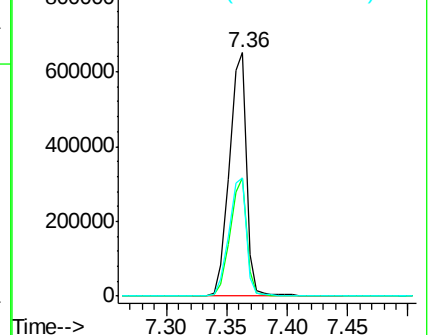
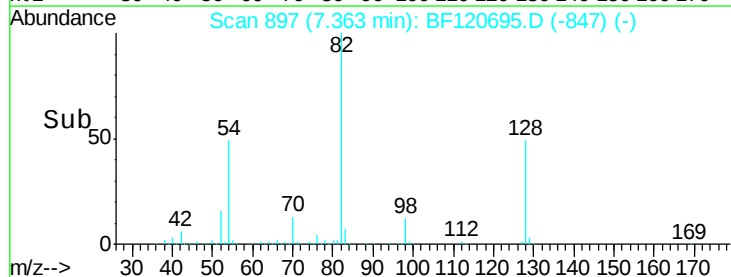


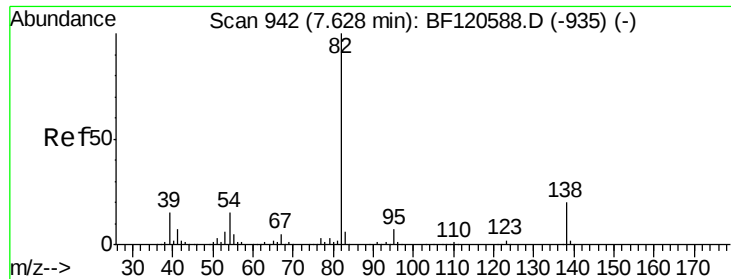
#23
Nitrobenzene-d5
Concen: 67.064 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF120695.D
Acq: 23 Jun 2020 00:33

Tgt Ion: 82	Resp: 644438
Ion Ratio	Lower Upper
82 100	
128 48.6	38.0 57.0
54 48.5	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

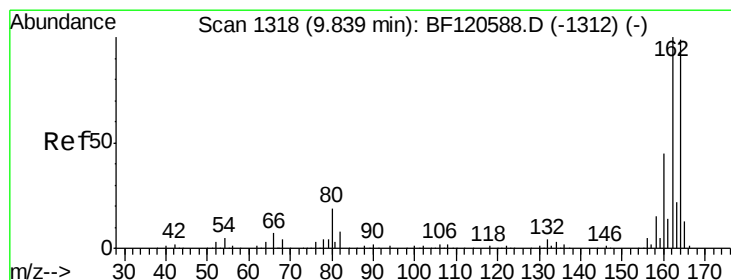
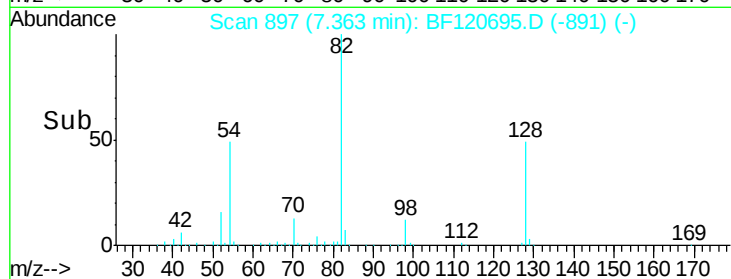
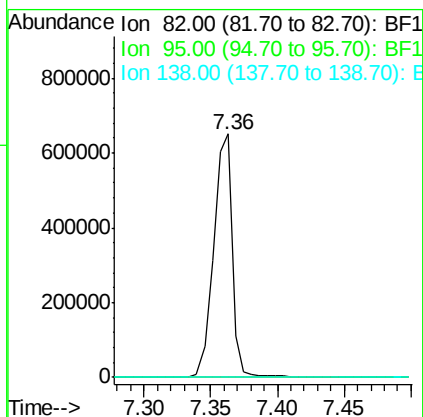
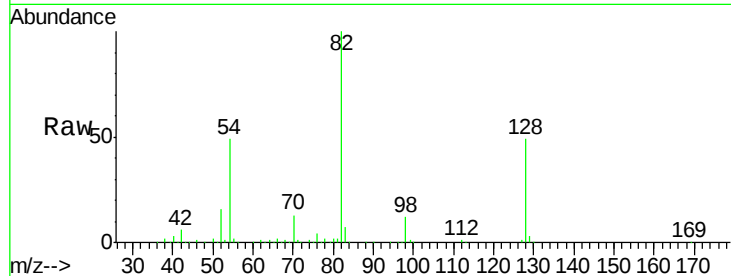




#25
Isophorone
Concen: 34.308 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.26 min
Lab File: BF120695.D
Acq: 23 Jun 2020 00:33

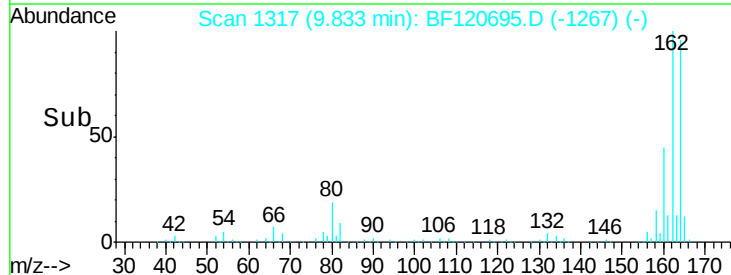
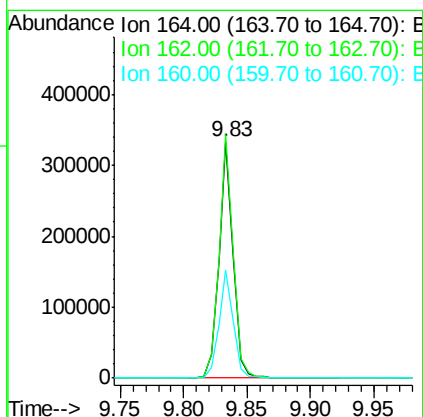
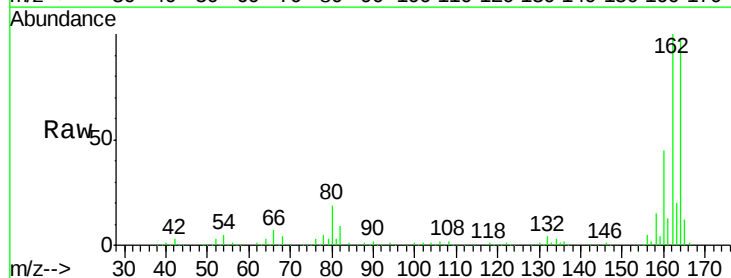
Instrument :
BNA_F
ClientSampleId :
SB-17

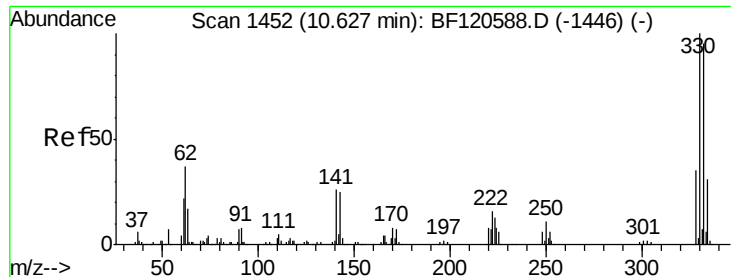
Tot Ion: 82 Resp: 642200
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF120695.D
Acq: 23 Jun 2020 00:33

Tgt Ion:164 Resp: 265007
Ion Ratio Lower Upper
164 100
162 103.1 80.6 120.8
160 45.9 36.2 54.2

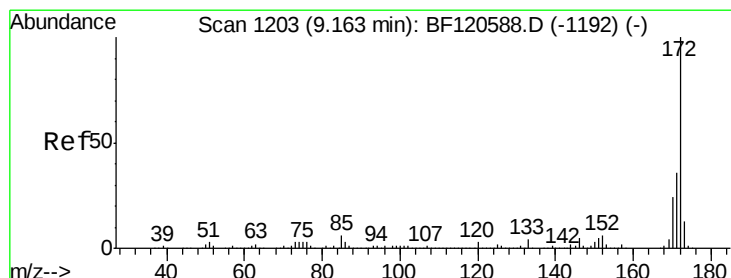
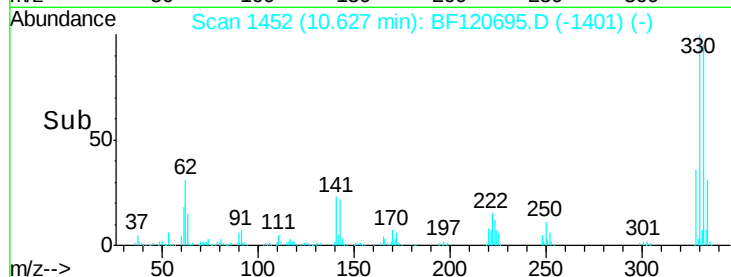
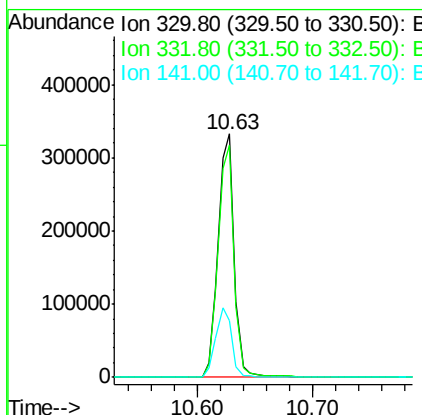
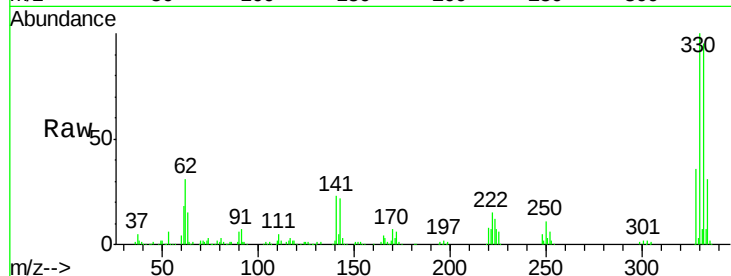




#42
 2,4,6-Tribromophenol
 Concen: 104.827 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: BF120695.D
 Acq: 23 Jun 2020 00:33

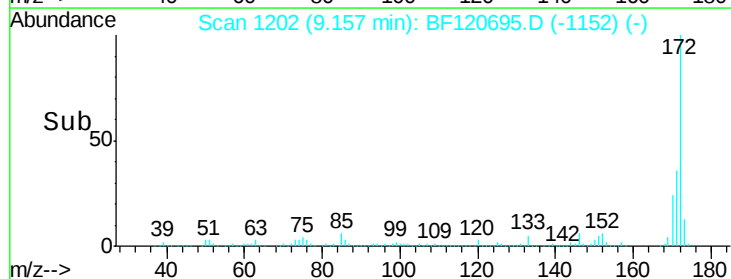
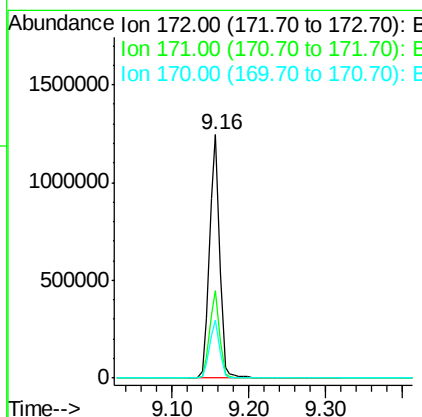
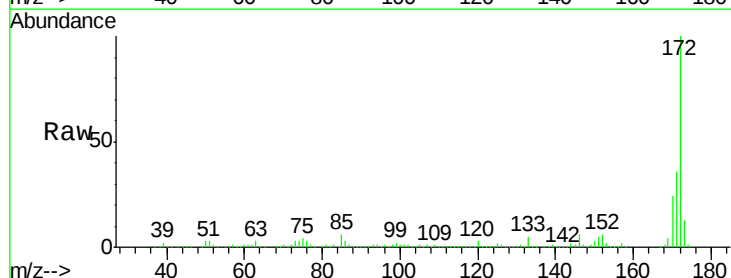
Instrument :
 BNA_F
 ClientSampleId :
 SB-17

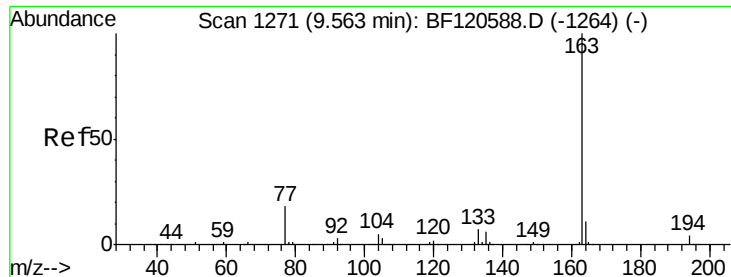
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.8	115.2
141	28.9	23.2	34.8



#45
 2-Fluorobiphenyl
 Concen: 64.857 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF120695.D
 Acq: 23 Jun 2020 00:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.0	43.4
170	23.9	19.4	29.2





#50

Dimethylphthalate

Concen: 5.714 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.01 min

Lab File: BF120695.D

Acq: 23 Jun 2020 00:33

Instrument :

BNA_F

ClientSampleId :

SB-17

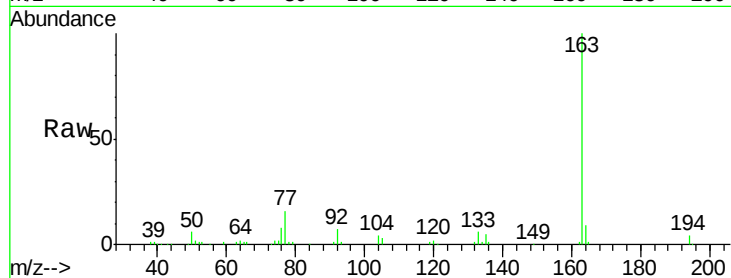
Tot Ion:163 Resp: 109054

Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

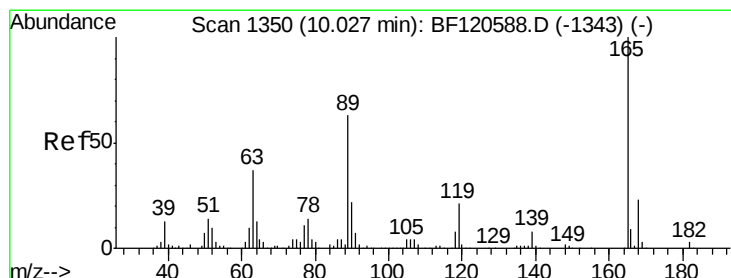
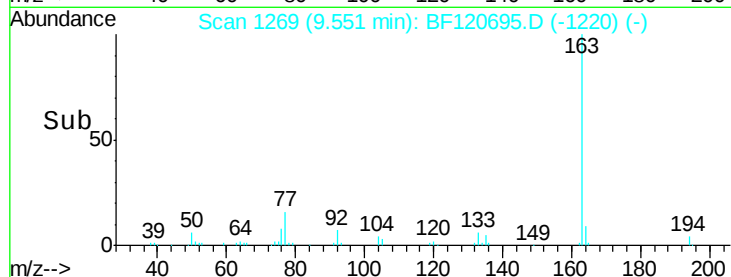
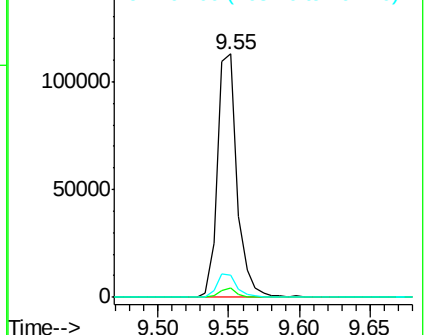
164 9.1 8.5 12.7



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: 5.843 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.19 min

Lab File: BF120695.D

Acq: 23 Jun 2020 00:33

Tgt Ion:165 Resp: 33535

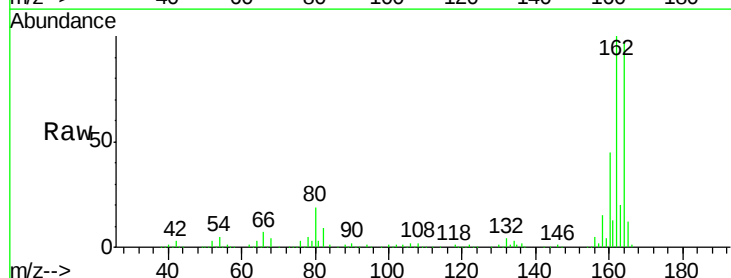
Ion Ratio Lower Upper

165 100

63 1.0 29.8 44.8#

89 0.9 50.4 75.6#

182 0.0 2.1 3.1#

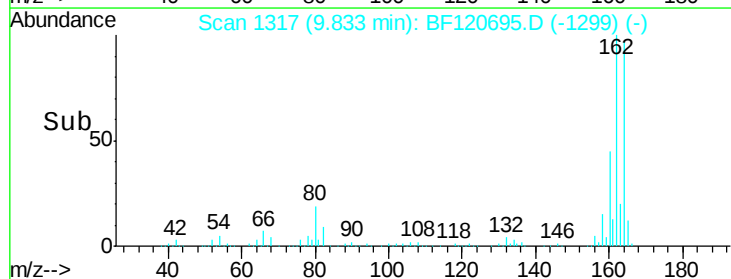
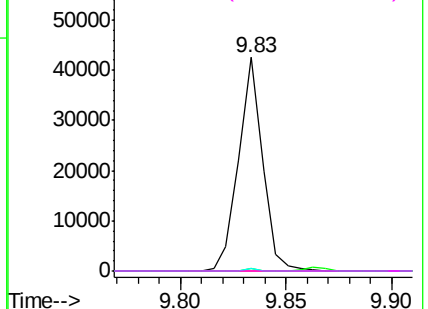


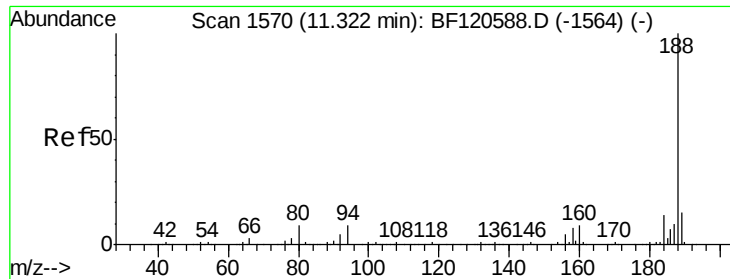
Abundance Ion 165.00 (164.70 to 165.70): E

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: BF120695.D

Acq: 23 Jun 2020 00:33

Instrument :

BNA_F

ClientSampleId :

SB-17

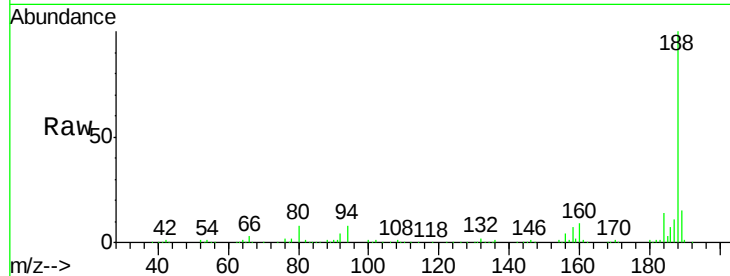
Tot Ion:188 Resp: 308330

Ion Ratio Lower Upper

188 100

94 7.9 7.2 10.8

80 8.0 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

500000

400000

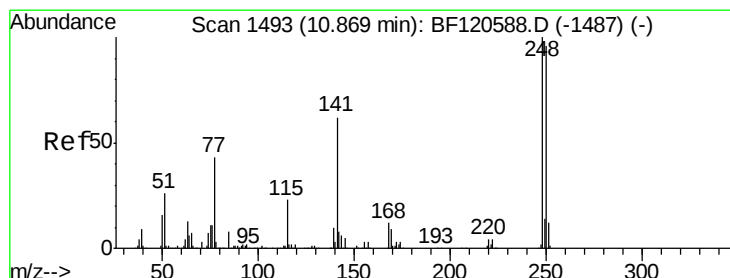
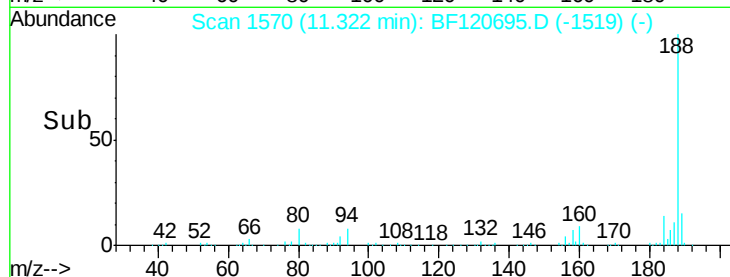
300000

200000

100000

0

Time--> 11.25 11.30 11.35



#67

4-Bromophenyl-phenylether

Concen: 5.453 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.25 min

Lab File: BF120695.D

Acq: 23 Jun 2020 00:33

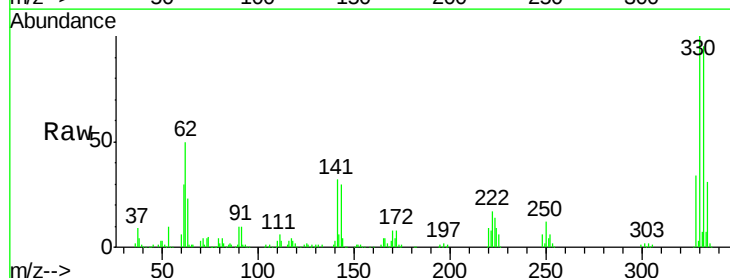
Tgt Ion:248 Resp: 19082

Ion Ratio Lower Upper

248 100

250 193.6 76.7 115.1#

141 503.6 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

120000

100000

80000

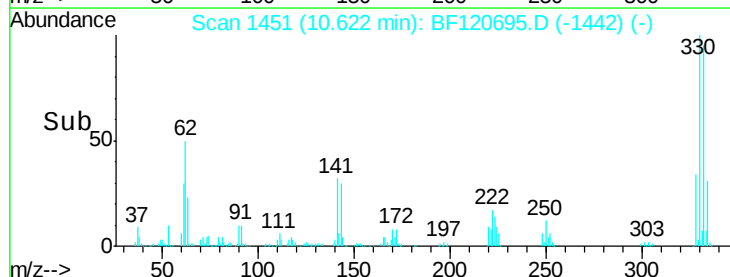
60000

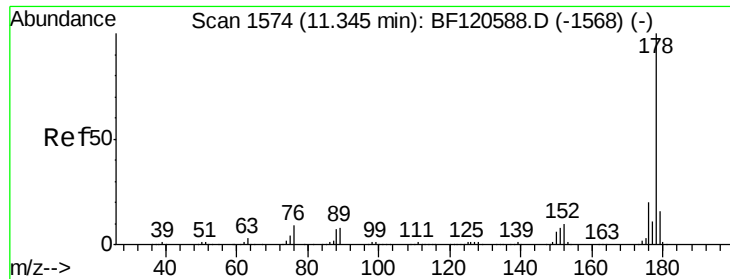
40000

20000

0

Time--> 10.60 10.65





#71

Phenanthrene

Concen: 3.183 ng

RT: 11.35 min Scan# 1574

Delta R.T. 0.00 min

Lab File: BF120695.D

Acq: 23 Jun 2020 00:33

Instrument :

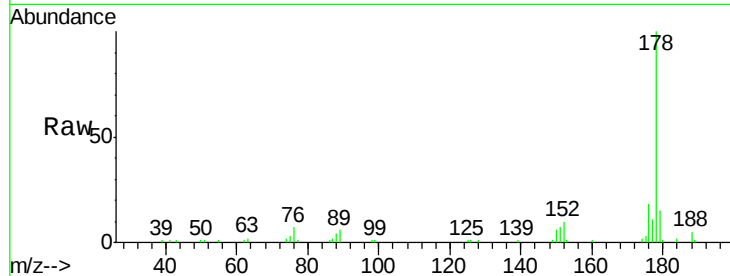
BNA_F

ClientSampleId :

SB-17

Tot Ion:178 Resp: 48786

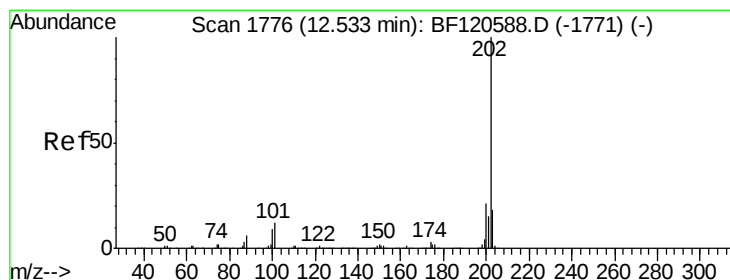
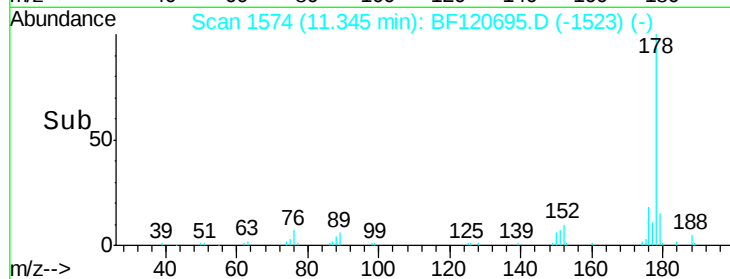
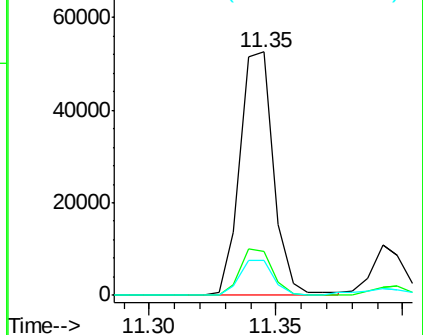
Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.9	23.9
179	14.6	12.8	19.2



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: 3.389 ng

RT: 12.53 min Scan# 1776

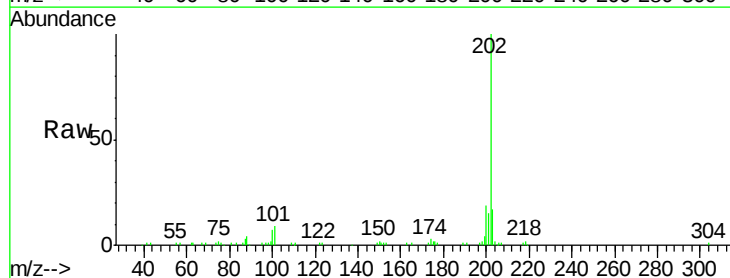
Delta R.T. 0.00 min

Lab File: BF120695.D

Acq: 23 Jun 2020 00:33

Tgt Ion:202 Resp: 59389

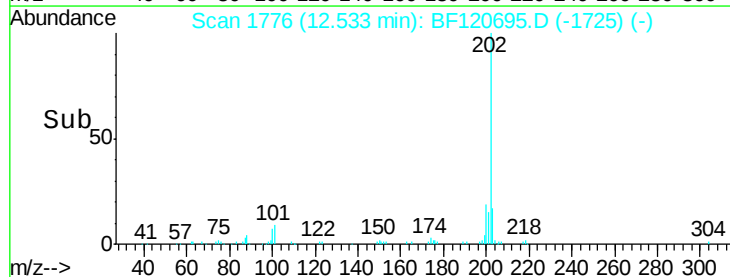
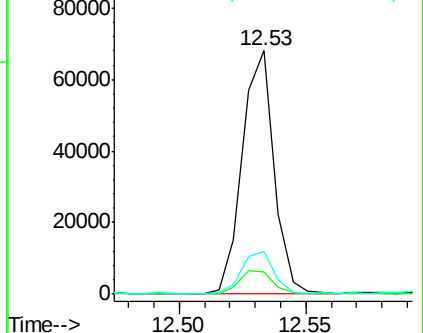
Ion	Ratio	Lower	Upper
202	100		
101	8.9	0.0	32.0
203	17.4	0.0	38.3

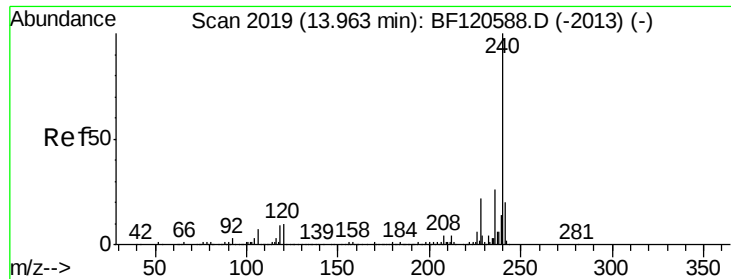


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

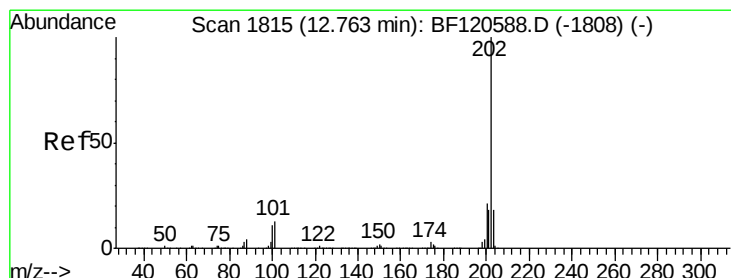
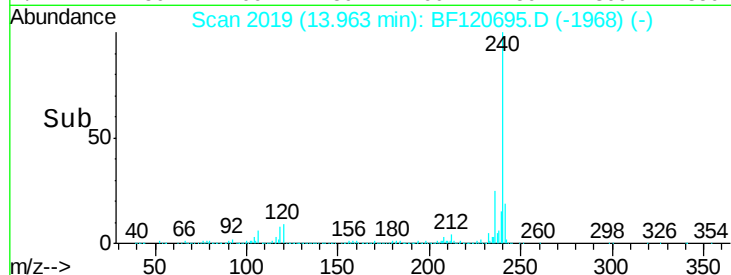
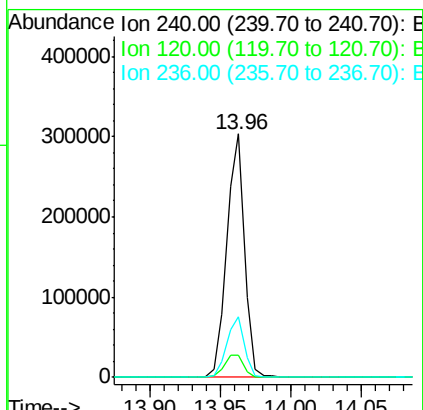
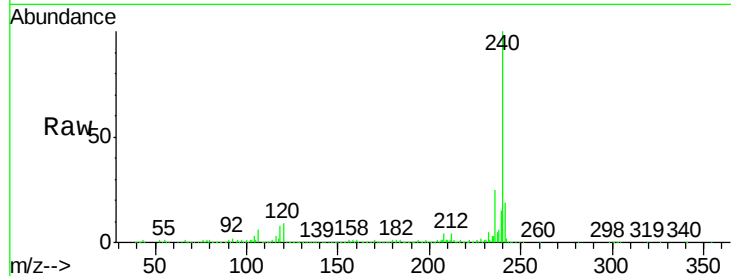




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. 0.00 min
Lab File: BF120695.D
Acq: 23 Jun 2020 00:33

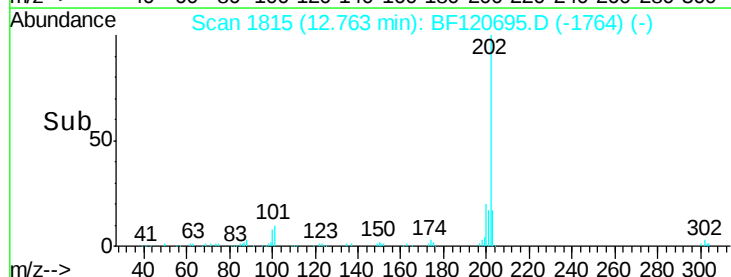
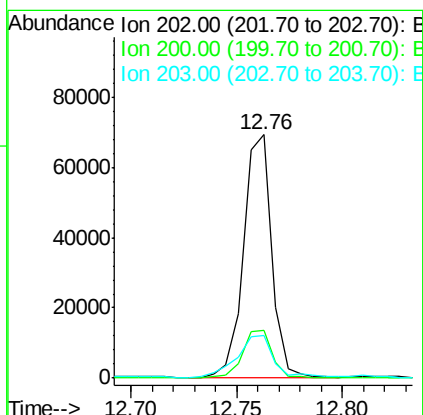
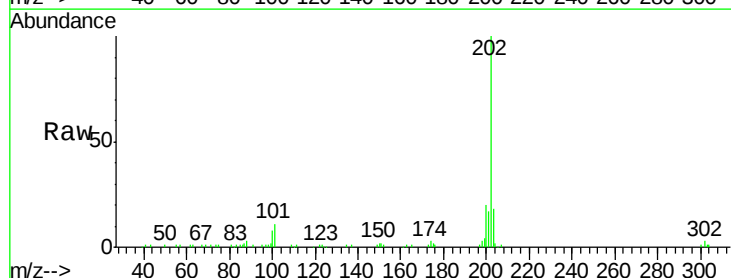
Instrument :
BNA_F
ClientSampleId :
SB-17

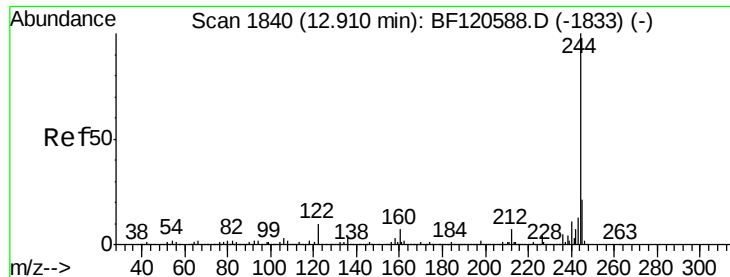
Tot Ion:240 Resp: 263706
Ion Ratio Lower Upper
240 100
120 9.2 8.3 12.5
236 24.7 21.0 31.4



#78
Pyrene
Concen: 3.454 ng
RT: 12.76 min Scan# 1815
Delta R.T. 0.00 min
Lab File: BF120695.D
Acq: 23 Jun 2020 00:33

Tgt Ion:202 Resp: 64532
Ion Ratio Lower Upper
202 100
200 19.6 16.8 25.2
203 17.7 14.3 21.5





#79

Terphenyl-d14

Concen: 79.736 ng

RT: 12.91 min Scan# 1840

Delta R.T. 0.00 min

Lab File: BF120695.D

Acq: 23 Jun 2020 00:33

Instrument :

BNA_F

ClientSampleId :

SB-17

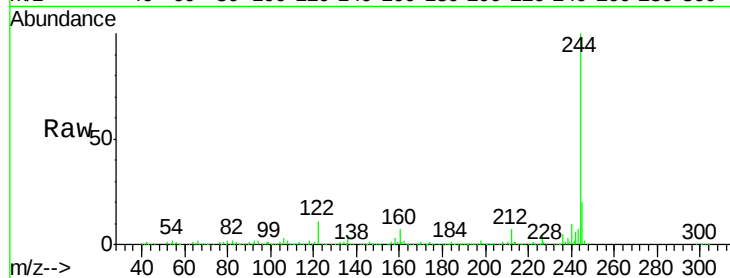
Tot Ion:244 Resp: 951918

Ion Ratio Lower Upper

244 100

212 6.7 5.7 8.5

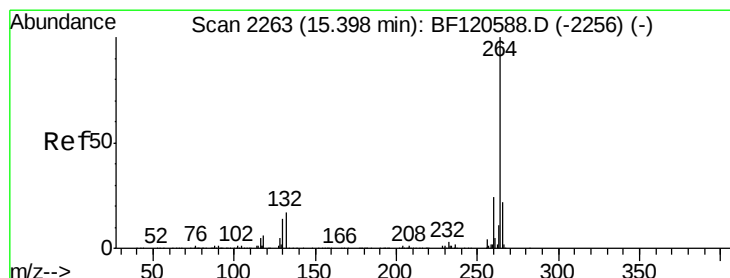
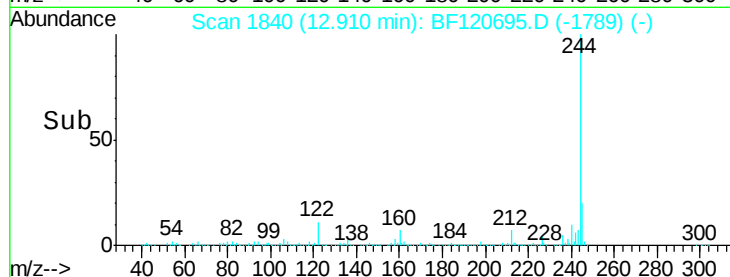
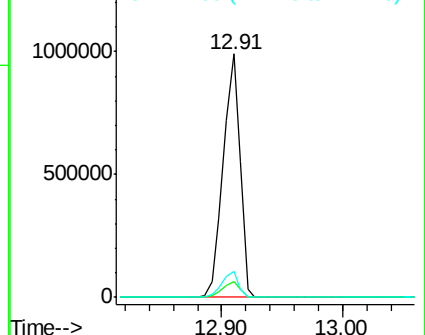
122 10.8 8.3 12.5



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.40 min Scan# 2264

Delta R.T. 0.01 min

Lab File: BF120695.D

Acq: 23 Jun 2020 00:33

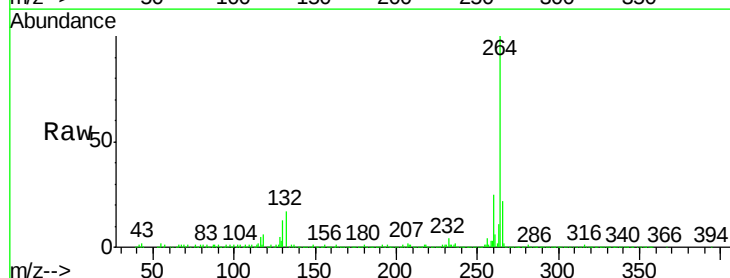
Tgt Ion:264 Resp: 393447

Ion Ratio Lower Upper

264 100

260 24.8 19.3 28.9

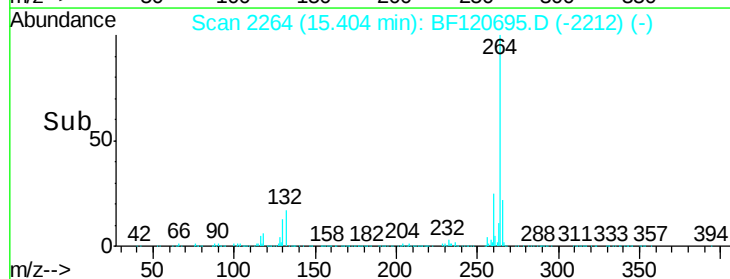
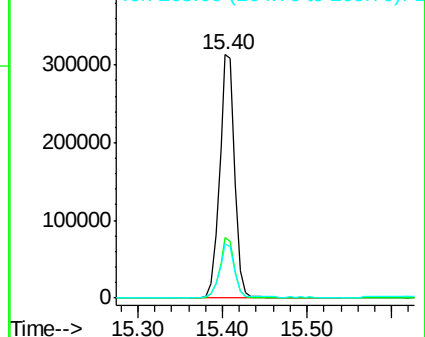
265 22.4 17.8 26.8

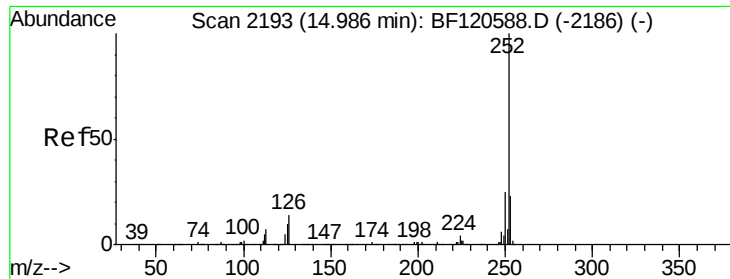


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

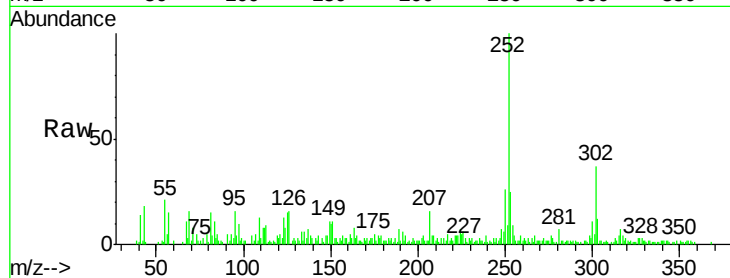




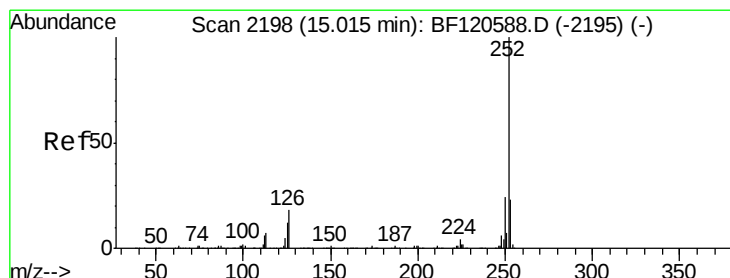
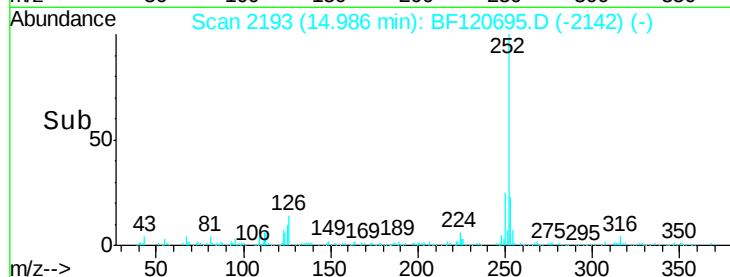
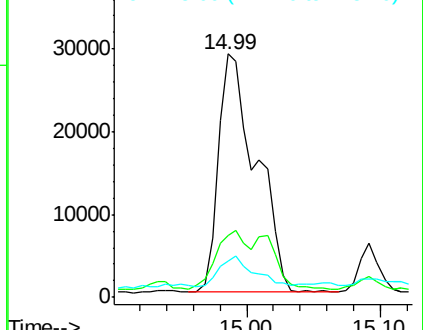
#88
Benzo(b)fluoranthene
Concen: 2.417 ng
RT: 14.99 min Scan# 2193
Delta R.T. 0.00 min
Lab File: BF120695.D
Acq: 23 Jun 2020 00:33

Instrument :
BNA_F
ClientSampleId :
SB-17

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.4	18.1	27.1
125	14.8	8.3	12.5

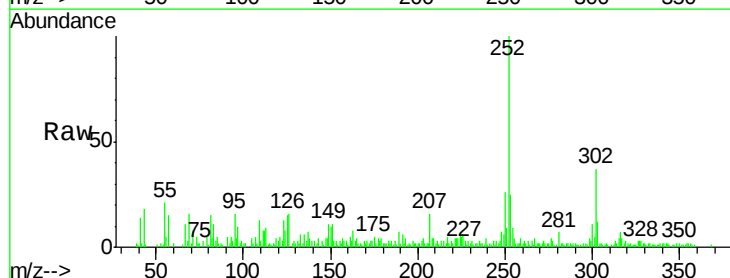


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 2.732 ng
RT: 14.99 min Scan# 2193
Delta R.T. -0.03 min
Lab File: BF120695.D
Acq: 23 Jun 2020 00:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	18.0	27.0
125	14.8	8.3	12.5



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

