

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062220\
 Data File : BF120687.D
 Acq On : 22 Jun 2020 20:35
 Operator : JU/CG
 Sample : L3082-13
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-14

Quant Time: Jun 23 01:34:50 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	122121	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	449409	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	241097	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	453101	20.00	ng	0.00
76) Chrysene-d12	13.96	240	435949	20.00	ng	0.00
86) Perylene-d12	15.40	264	463281	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	774490	108.73	ng	-0.01
7) Phenol-d6	6.43	99	866623	97.68	ng	0.00
23) Nitrobenzene-d5	7.36	82	516649	64.26	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	335955	119.85	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	1293194	82.07	ng	0.00
79) Terphenyl-d14	12.91	244	1614693	81.81	ng	0.00

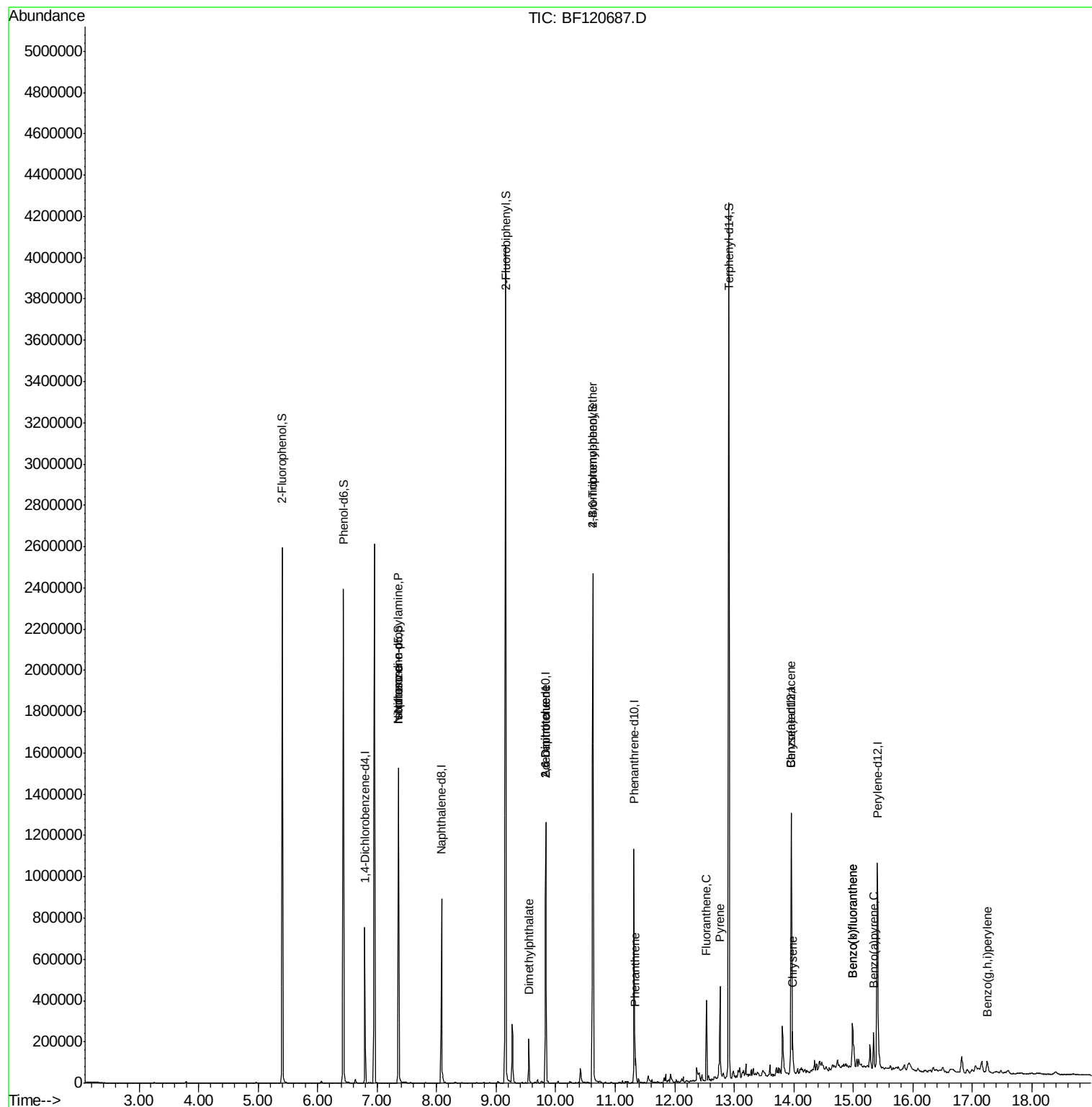
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.36	70	67787	13.172	ng	# 78
25) Isophorone	7.36	82	512710	32.737	ng	# 62
50) Dimethylphthalate	9.55	163	90868	5.233	ng	100
51) 2,6-Dinitrotoluene	9.83	165	30581	7.771	ng	# 26
57) 2,4-Dinitrotoluene	9.83	165	30581	5.857	ng	# 29
67) 4-Bromophenyl-phenylether	10.62	248	19840	3.858	ng	# 1
71) Phenanthrene	11.34	178	54815	2.434	ng	98
75) Fluoranthene	12.53	202	162634	6.315	ng	95
78) Pyrene	12.76	202	179221	5.803	ng	97
81) Benzo(a)anthracene	13.95	228	79208	3.024	ng	96
83) Chrysene	13.99	228	86785	3.230	ng	98
88) Benzo(b)fluoranthene	14.99	252	152751	5.535	ng	99
89) Benzo(k)fluoranthene	14.99	252	152751	6.255	ng	99
90) Benzo(a)pyrene	15.34	252	74681	3.024	ng	100
92) Benzo(a,h,i)perylene	17.25	276	50507	2.217	ng	98

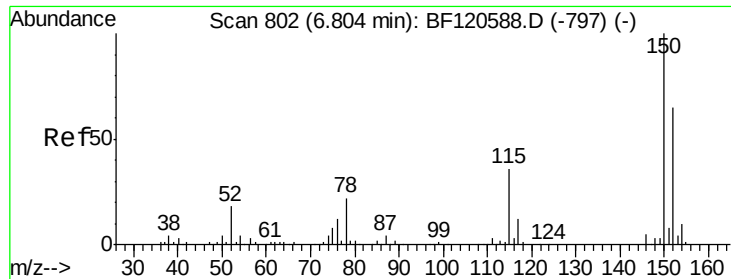
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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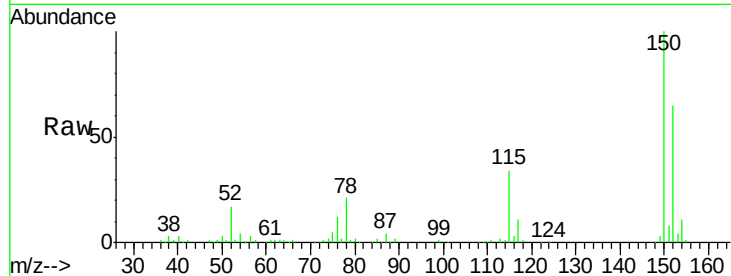


#1

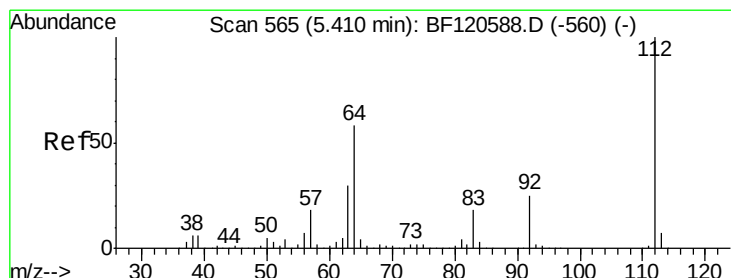
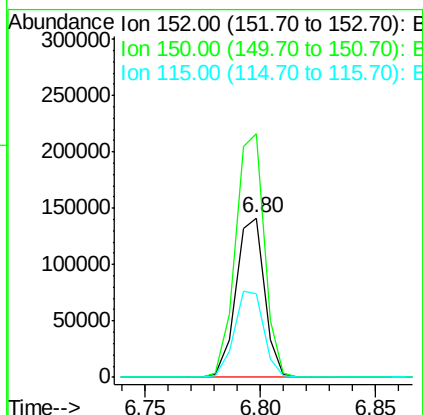
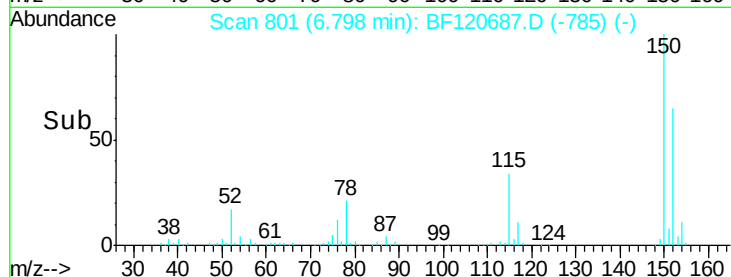
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF120687.D
Acq: 22 Jun 2020 20:35

Instrument :
BNA_F
ClientSampleId :
SB-14

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.9	123.2	184.8
115	52.6	43.9	65.9



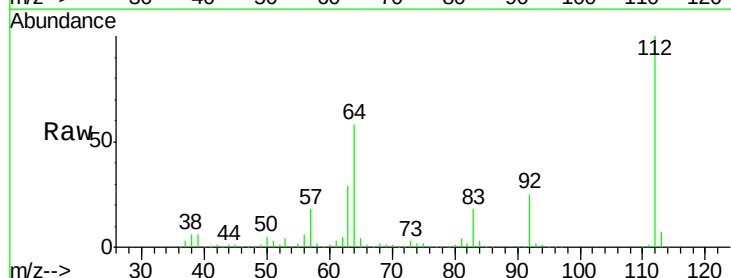
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



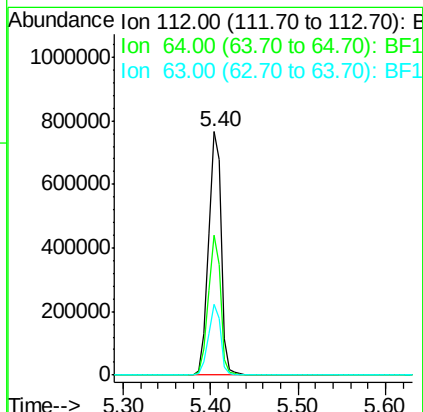
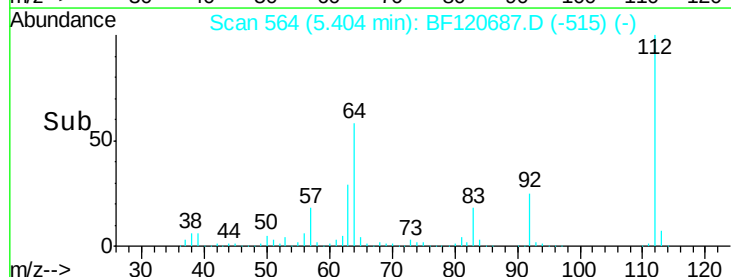
#5

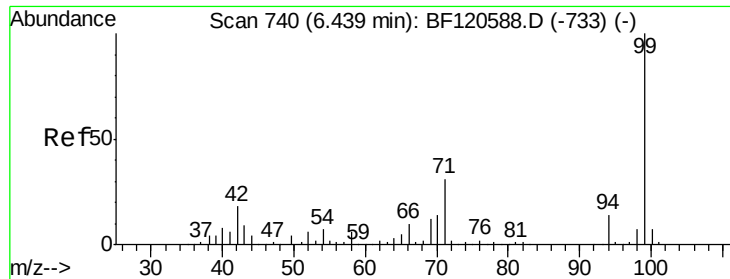
2-Fluorophenol
Concen: 108.730 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.01 min
Lab File: BF120687.D
Acq: 22 Jun 2020 20:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.6	46.1	69.1
63	29.0	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: 97.684 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF120687.D

Acq: 22 Jun 2020 20:35

Instrument :

BNA_F

ClientSampled :

SB-14

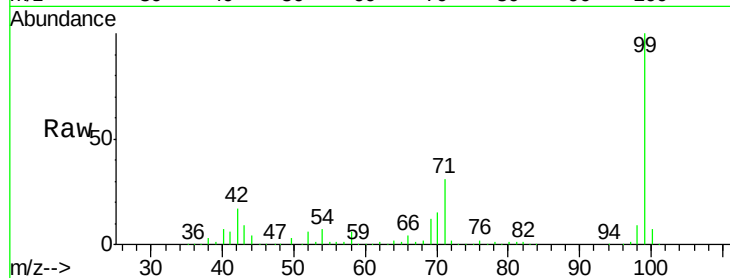
Tot Ion: 99 Resp: 866623

Ion Ratio Lower Upper

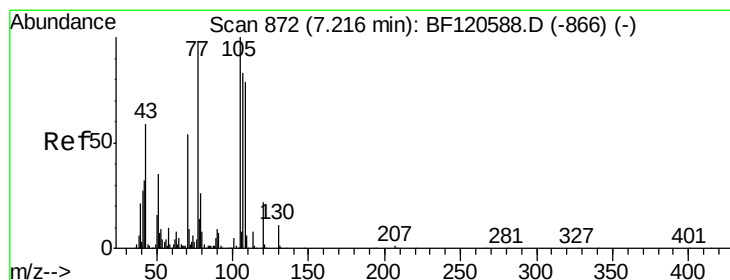
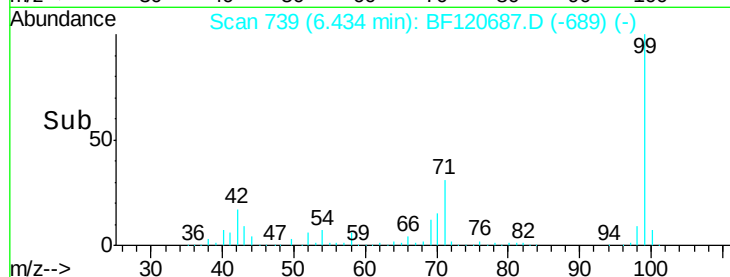
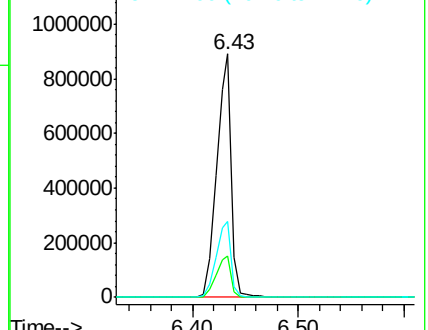
99 100

42 17.0 14.0 21.0

71 31.3 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: 13.172 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.14 min

Lab File: BF120687.D

Acq: 22 Jun 2020 20:35

Tgt Ion: 70 Resp: 67787

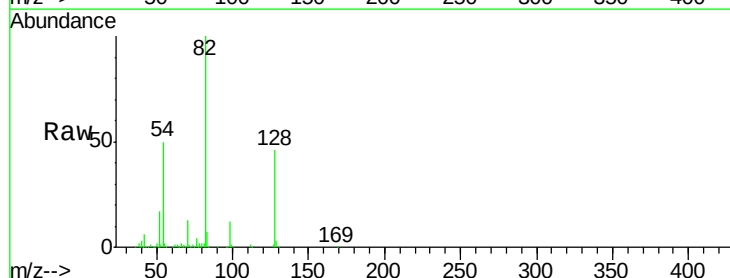
Ion Ratio Lower Upper

70 100

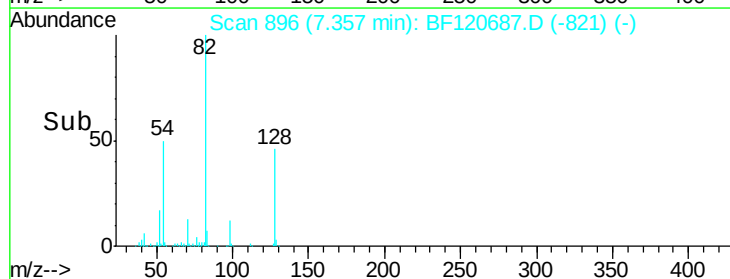
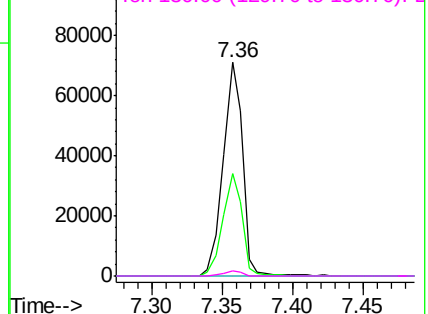
42 47.9 47.7 71.5

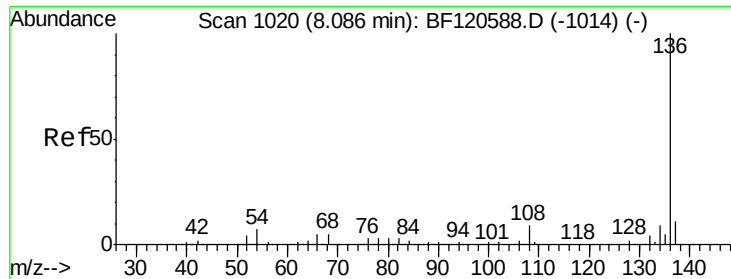
101 0.0 7.6 11.4#

130 2.5 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

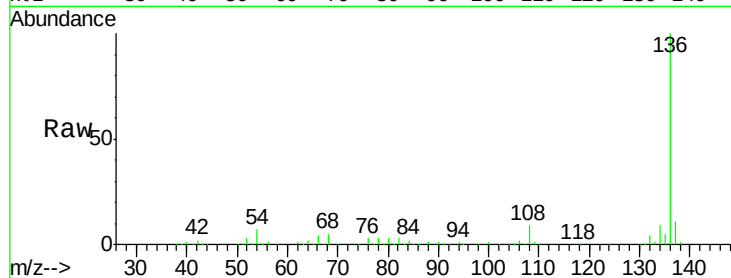




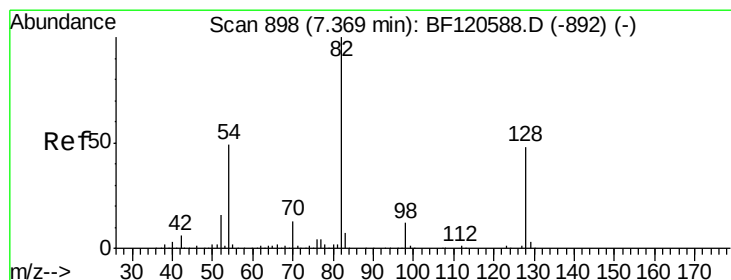
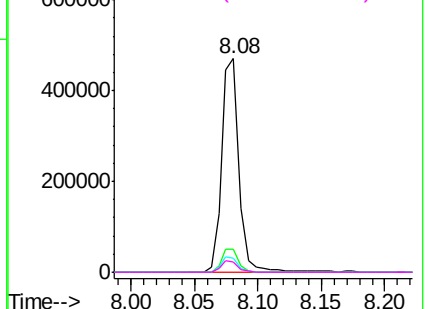
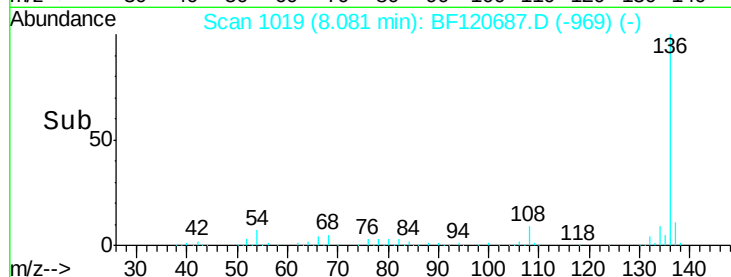
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF120687.D
Acq: 22 Jun 2020 20:35

Instrument :
BNA_F
ClientSampleId :
SB-14

Tot Ion:136	Resp:	449409
Ion Ratio	Lower	Upper
136	100	
137	10.7	8.6 13.0
54	6.6	5.8 8.6
68	4.9	4.4 6.6

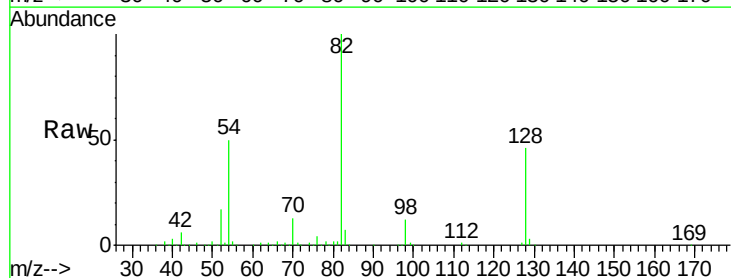


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

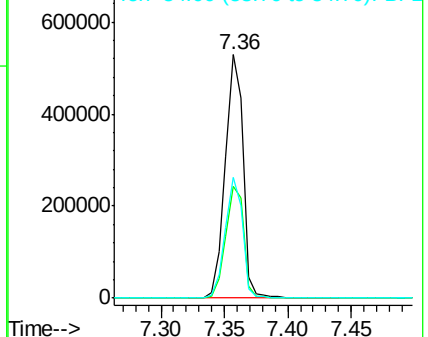
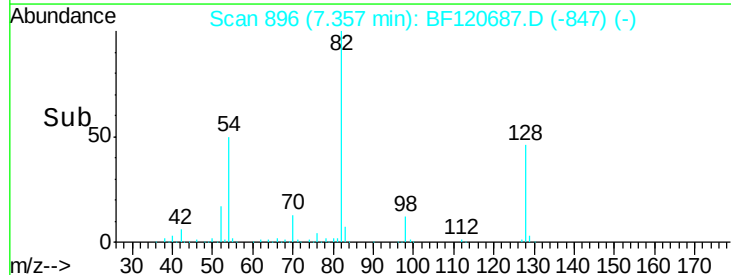


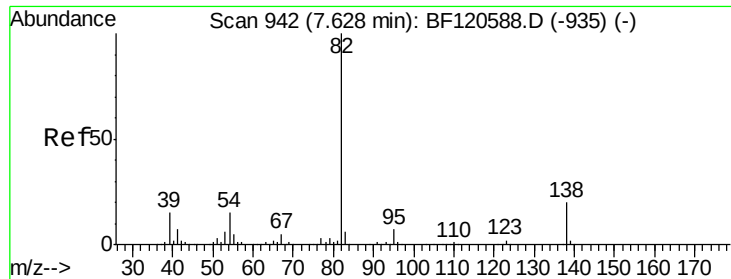
#23
Nitrobenzene-d5
Concen: 64.260 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF120687.D
Acq: 22 Jun 2020 20:35

Tgt Ion: 82	Resp:	516649
Ion Ratio	Lower	Upper
82	100	
128	45.8	38.0 57.0
54	49.8	38.8 58.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 32.737 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.27 min

Lab File: BF120687.D

Acq: 22 Jun 2020 20:35

Instrument :

BNA_F

ClientSampleId :

SB-14

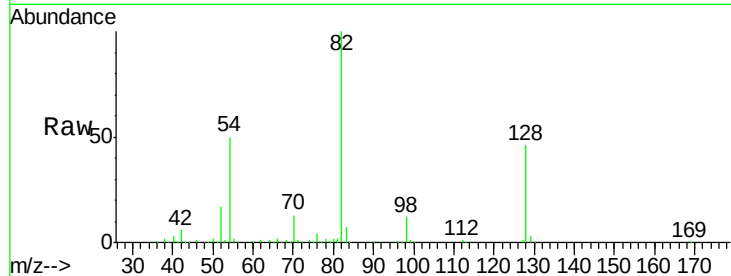
Tot Ion: 82 Resp: 512710

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

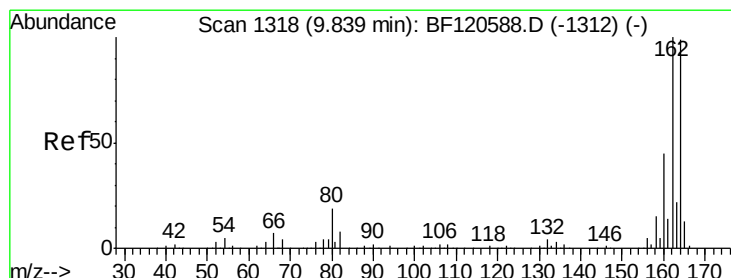
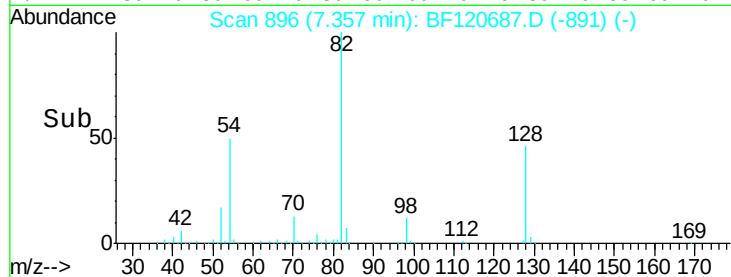
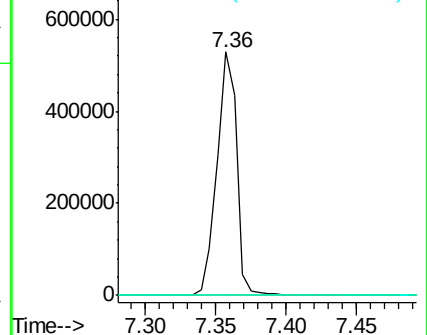
138 0.0 16.2 24.4#



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: 9.83 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF120687.D

Acq: 22 Jun 2020 20:35

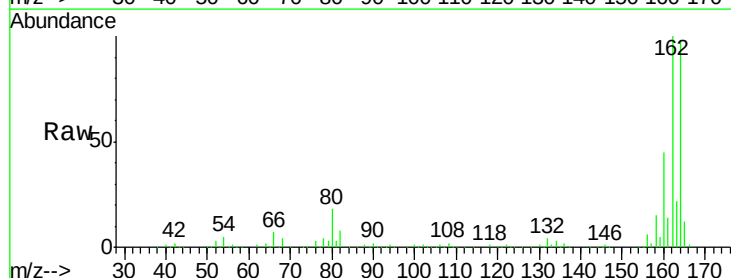
Tgt Ion: 164 Resp: 241097

Ion Ratio Lower Upper

164 100

162 102.3 80.6 120.8

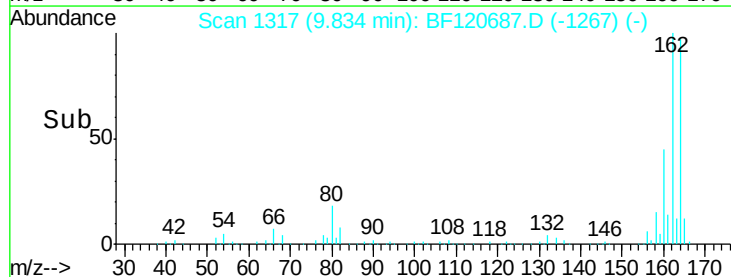
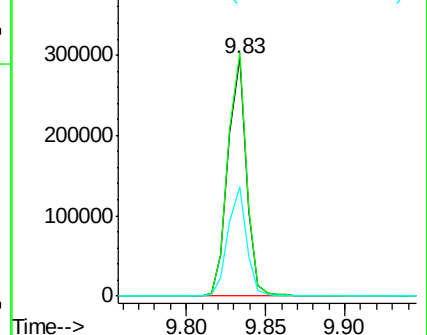
160 45.9 36.2 54.2

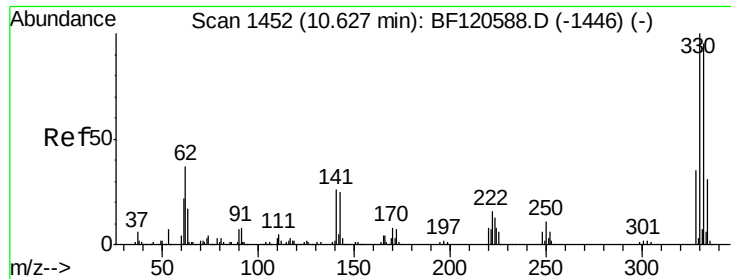


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1





#42

2,4,6-Tribromophenol

Concen: 119.852 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BF120687.D

Acq: 22 Jun 2020 20:35

Instrument :

BNA_F

ClientSampled :

SB-14

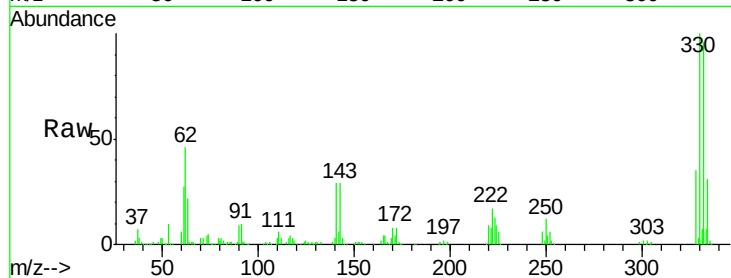
Tot Ion:330 Resp: 335955

Ion Ratio Lower Upper

330 100

332 95.9 76.8 115.2

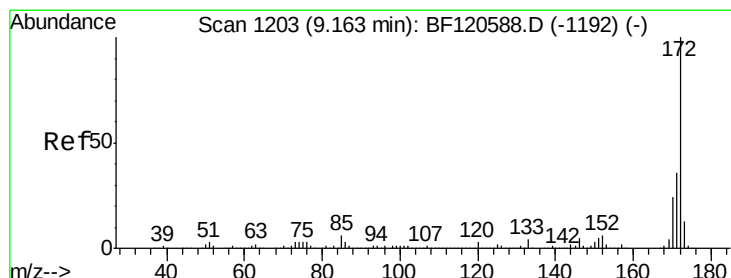
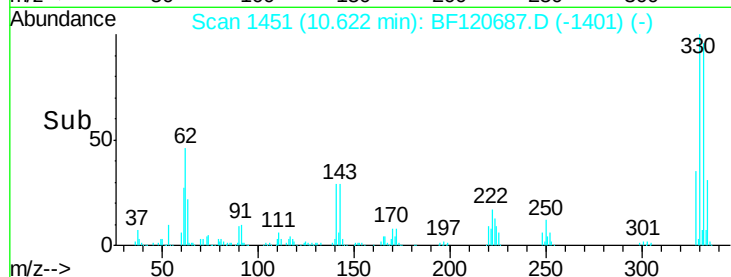
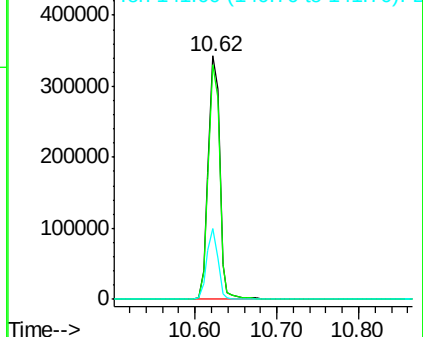
141 28.0 23.2 34.8



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: 82.065 ng

RT: 9.16 min Scan# 1202

Delta R.T. -0.01 min

Lab File: BF120687.D

Acq: 22 Jun 2020 20:35

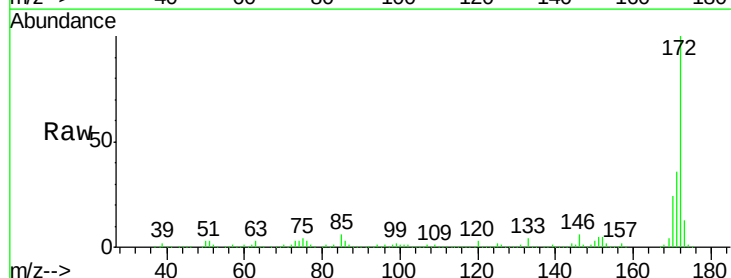
Tgt Ion:172 Resp: 1293194

Ion Ratio Lower Upper

172 100

171 36.1 29.0 43.4

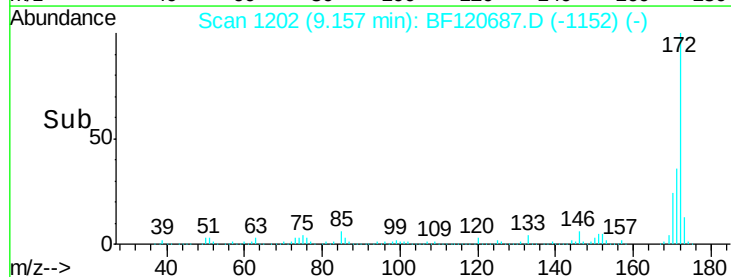
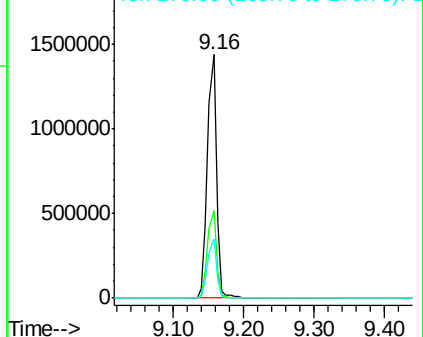
170 24.4 19.4 29.2

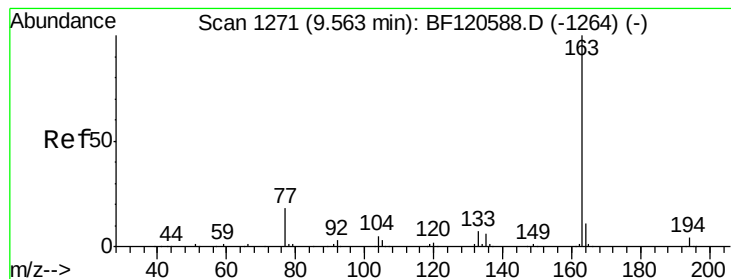


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 5.233 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.02 min

Lab File: BF120687.D

Acq: 22 Jun 2020 20:35

Instrument :

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ClientSampled :

SB-14

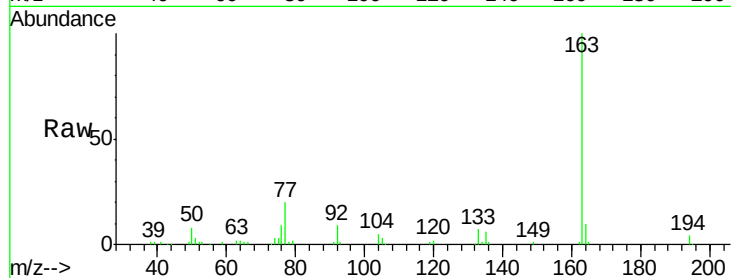
Tot Ion:163 Resp: 90868

Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

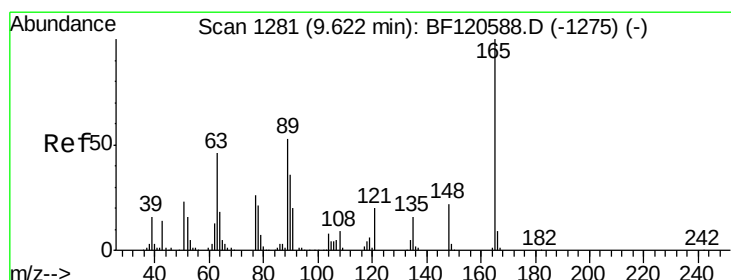
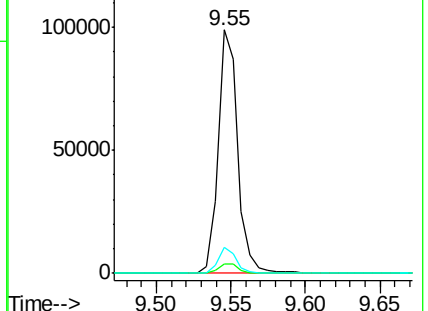
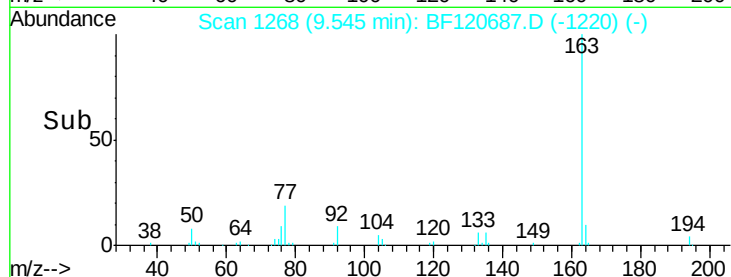
164 10.5 8.5 12.7



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



#51

2,6-Dinitrotoluene

Concen: 7.771 ng

RT: 9.83 min Scan# 1317

Delta R.T. 0.21 min

Lab File: BF120687.D

Acq: 22 Jun 2020 20:35

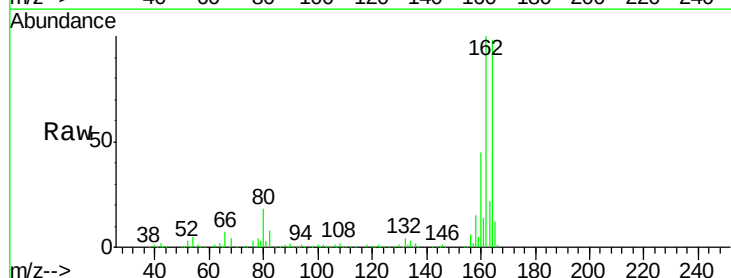
Tgt Ion:165 Resp: 30581

Ion Ratio Lower Upper

165 100

63 0.0 41.7 62.5#

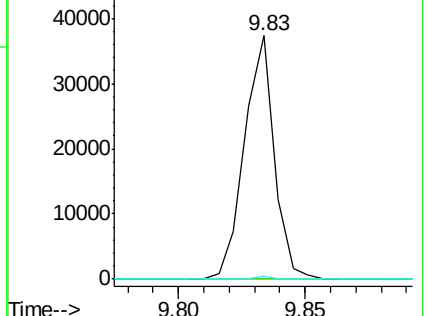
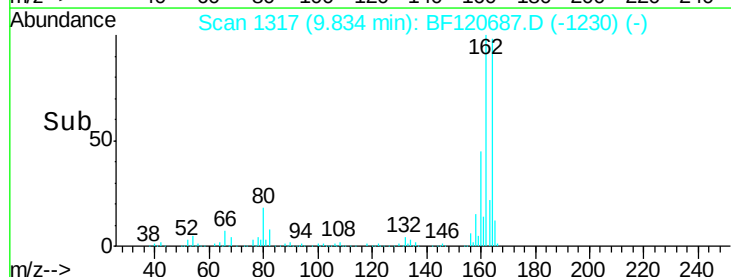
89 1.3 42.6 64.0#

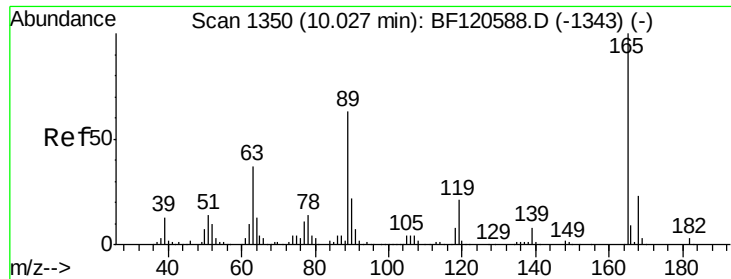


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#57

2,4-Dinitrotoluene

Concen: 5.857 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.19 min

Lab File: BF120687.D

Acq: 22 Jun 2020 20:35

Instrument :

BNA_F

ClientSampled :

SB-14

Tot Ion:165 Resp: 30581

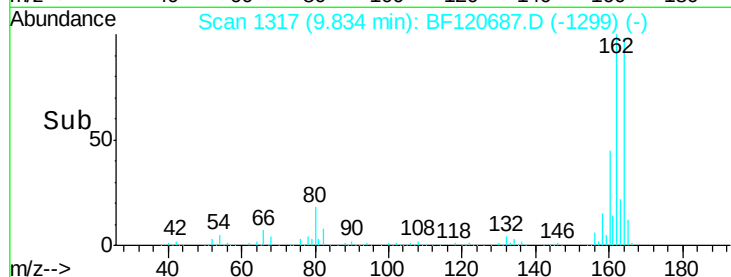
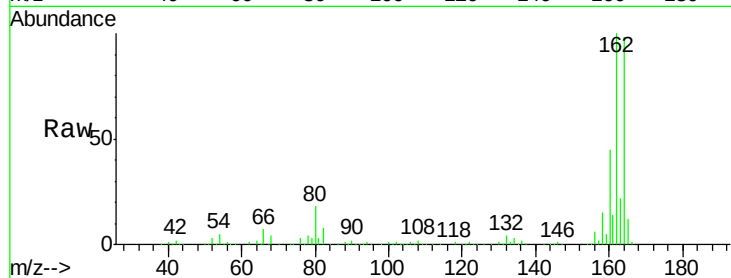
Ion Ratio Lower Upper

165 100

63 0.0 29.8 44.8#

89 1.3 50.4 75.6#

182 0.0 2.1 3.1#

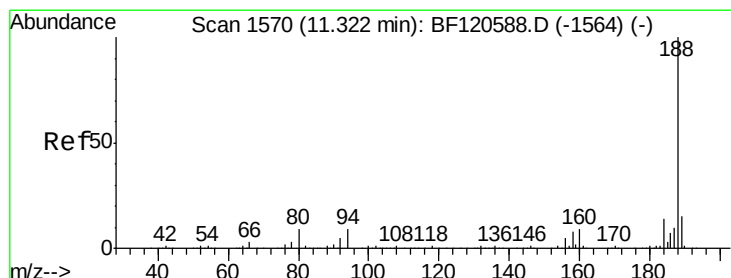
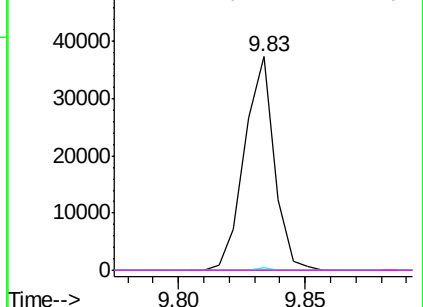


Abundance Ion 165.00 (164.70 to 165.70): E

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# 1569

Delta R.T. -0.01 min

Lab File: BF120687.D

Acq: 22 Jun 2020 20:35

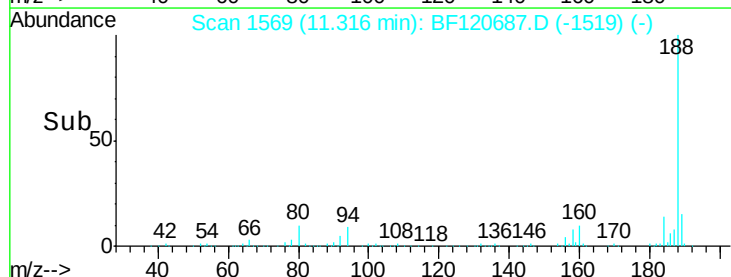
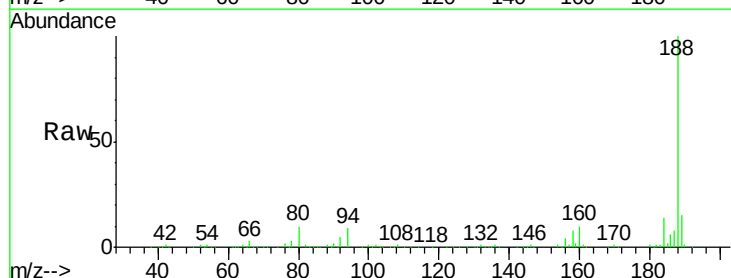
Tgt Ion:188 Resp: 453101

Ion Ratio Lower Upper

188 100

94 9.3 7.2 10.8

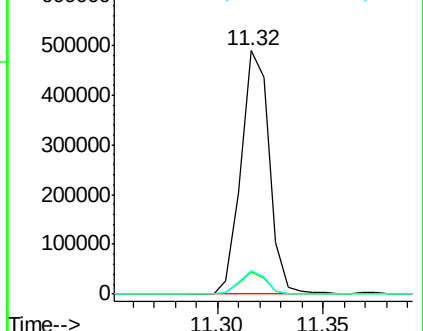
80 9.6 7.4 11.2

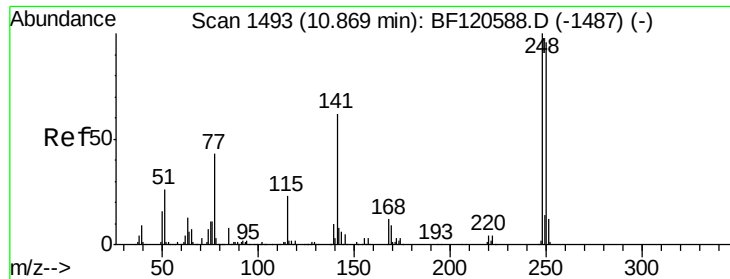


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

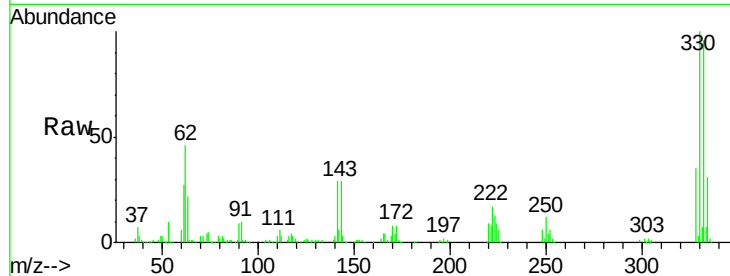




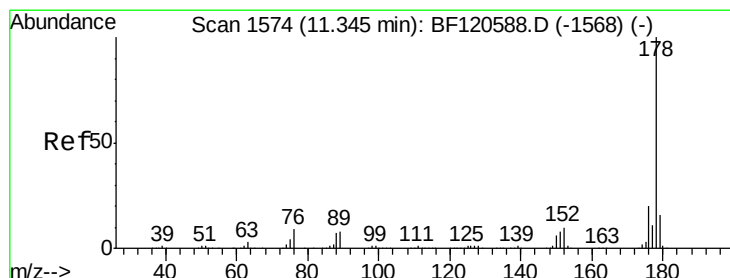
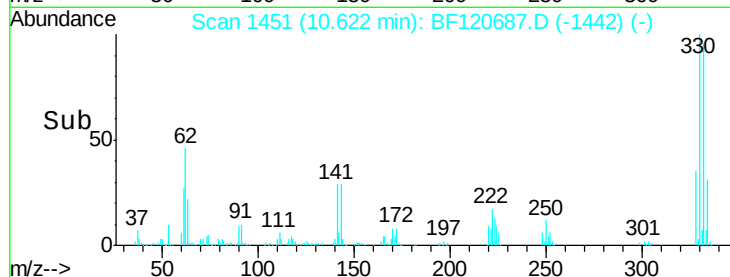
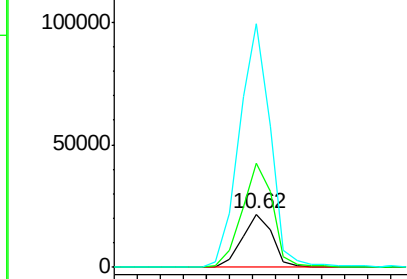
#67
4-Bromophenyl-phenylether
Concen: 3.858 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.25 min
Lab File: BF120687.D
Acq: 22 Jun 2020 20:35

Instrument :
BNA_F
ClientSampled :
SB-14

Tot Ion:248 Resp: 19840
Ion Ratio Lower Upper
248 100
250 194.4 76.7 115.1#
141 457.1 49.4 74.0#

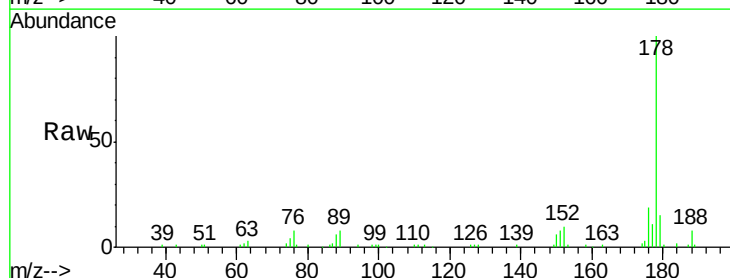


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

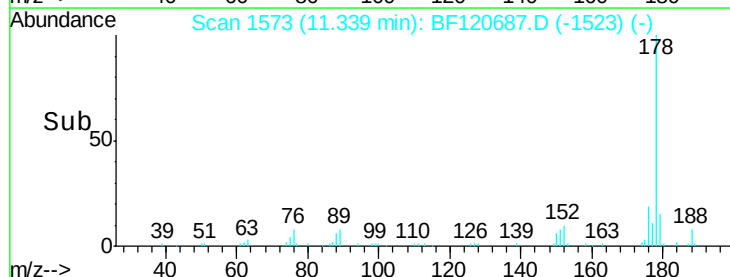
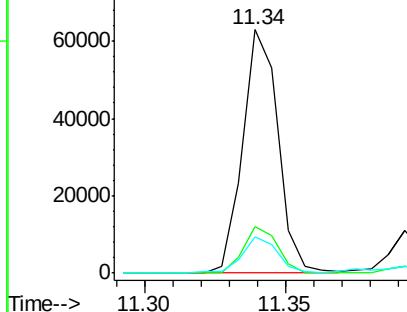


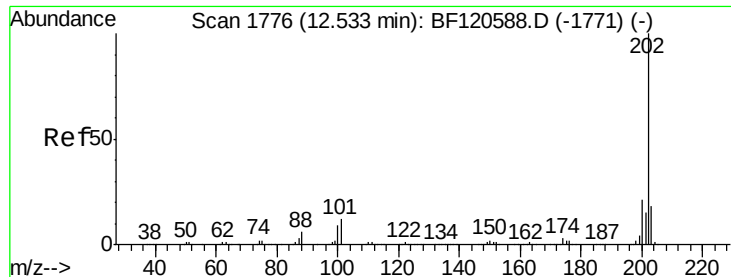
#71
Phenanthrene
Concen: 2.434 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF120687.D
Acq: 22 Jun 2020 20:35

Tgt Ion:178 Resp: 54815
Ion Ratio Lower Upper
178 100
176 19.2 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

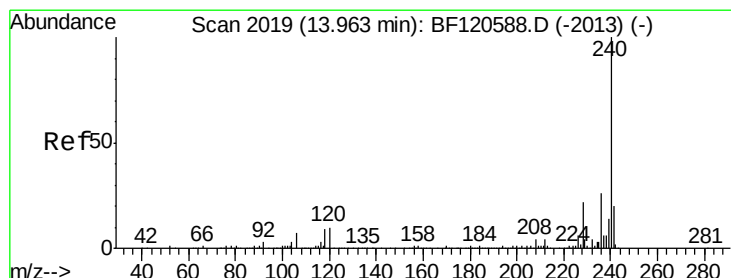
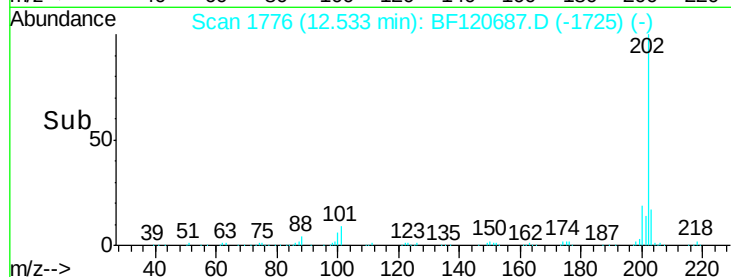
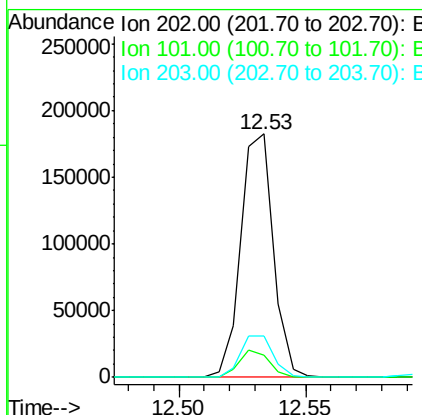
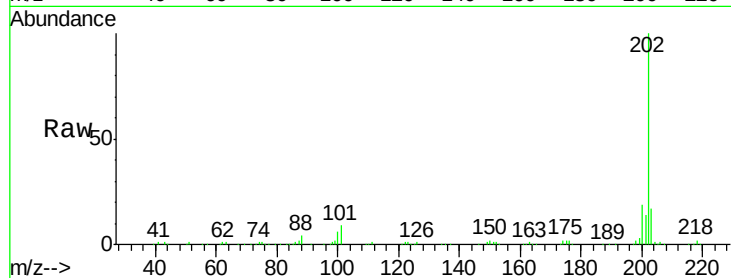




#75
Fluoranthene
Concen: 6.315 ng
RT: 12.53 min Scan# 1776
Delta R.T. 0.00 min
Lab File: BF120687.D
Acq: 22 Jun 2020 20:35

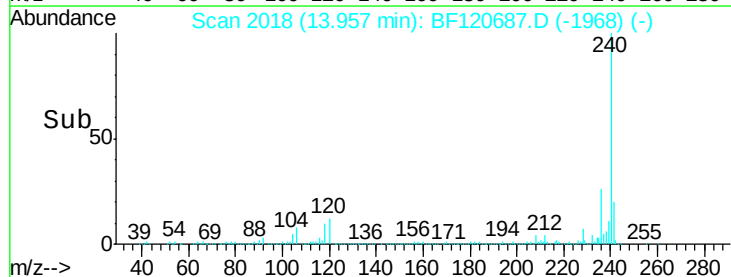
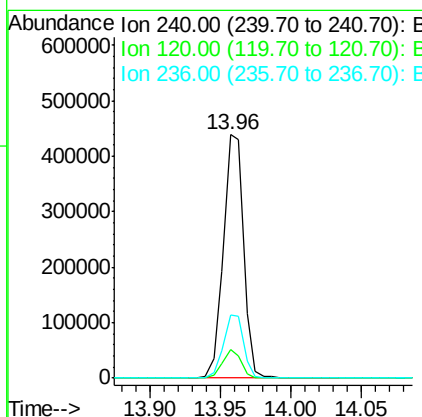
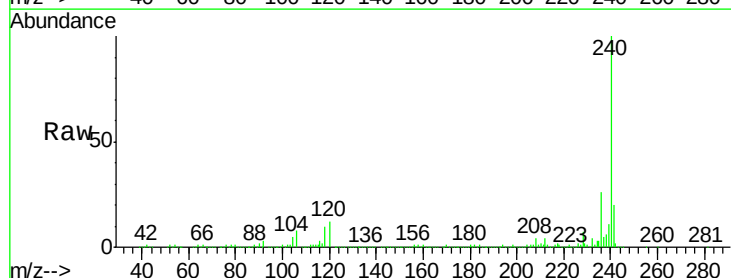
Instrument :
BNA_F
ClientSampleId :
SB-14

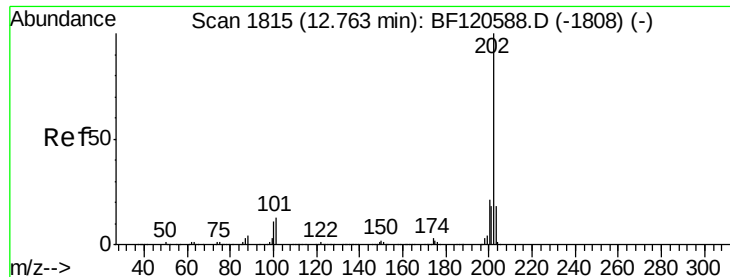
Tot Ion	Ratio	Lower	Upper
202	100		
101	9.0	0.0	32.0
203	16.8	0.0	38.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF120687.D
Acq: 22 Jun 2020 20:35

Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.7	8.3	12.5
236	25.9	21.0	31.4

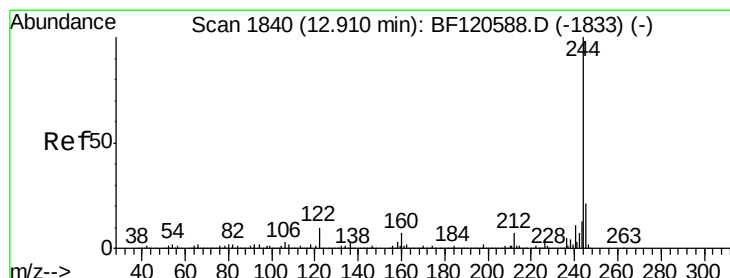
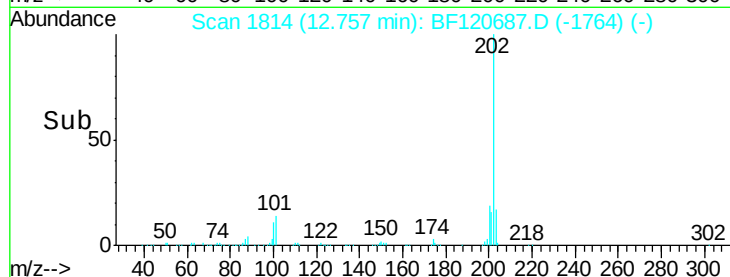
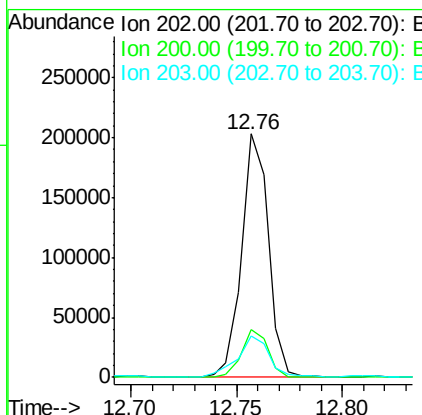
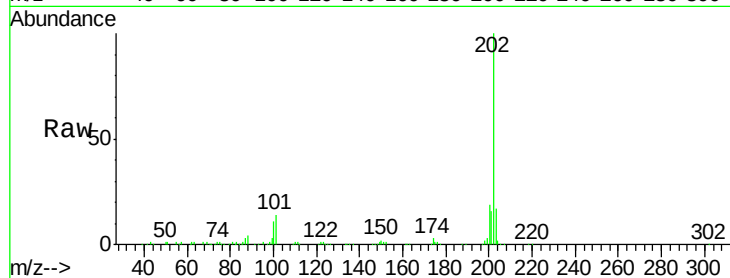




#78
Pvrene
Concen: 5.803 ng
RT: 12.76 min Scan# 1814
Delta R.T. -0.01 min
Lab File: BF120687.D
Acq: 22 Jun 2020 20:35

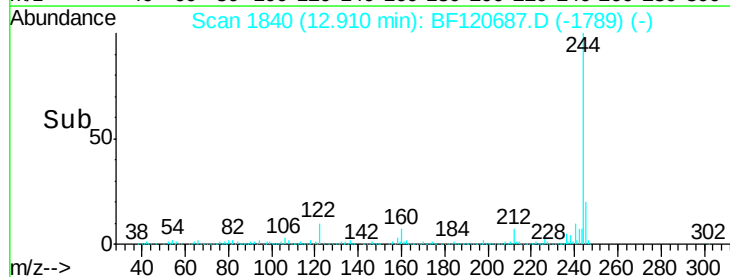
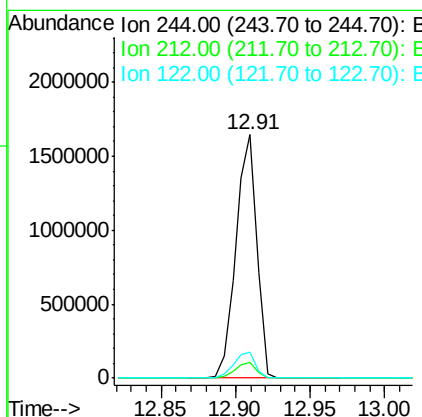
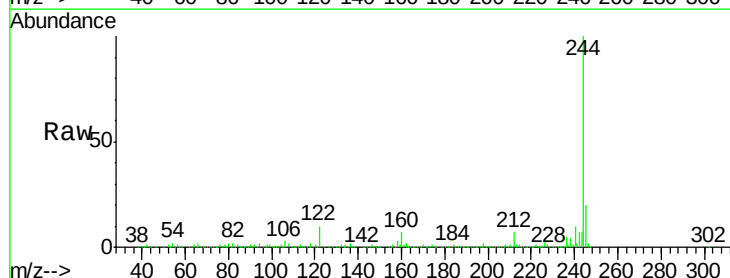
Instrument :
BNA_F
ClientSampled :
SB-14

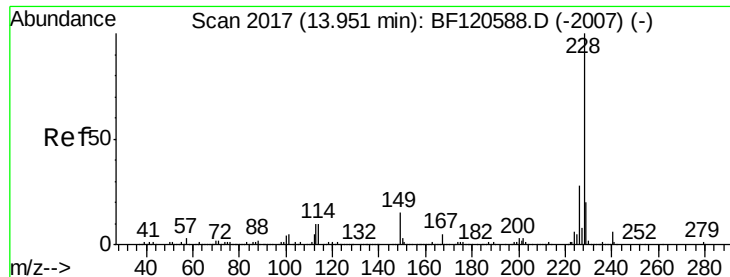
Tot Ion:202 Resp: 179221
Ion Ratio Lower Upper
202 100
200 19.4 16.8 25.2
203 16.9 14.3 21.5



#79
Terphenyl-d14
Concen: 81.814 ng
RT: 12.91 min Scan# 1840
Delta R.T. 0.00 min
Lab File: BF120687.D
Acq: 22 Jun 2020 20:35

Tgt Ion:244 Resp: 1614693
Ion Ratio Lower Upper
244 100
212 6.6 5.7 8.5
122 10.4 8.3 12.5





#81

Benzo(a)anthracene

Concen: 3.024 ng

RT: 13.95 min Scan# 2017

Delta R.T. 0.00 min

Lab File: BF120687.D

Acq: 22 Jun 2020 20:35

Instrument :

BNA_F

ClientSampleId :

SB-14

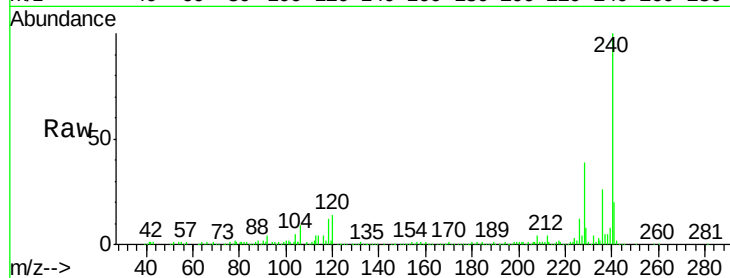
Tot Ion:228 Resp: 79208

Ion Ratio Lower Upper

228 100

226 31.4 22.5 33.7

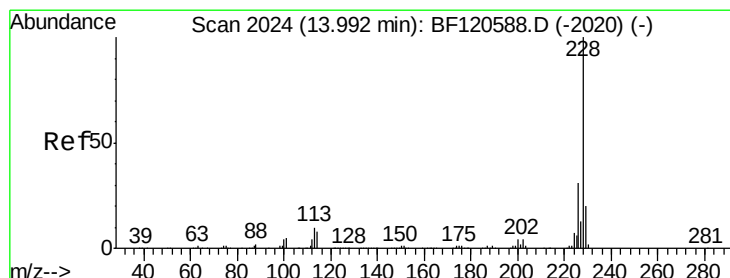
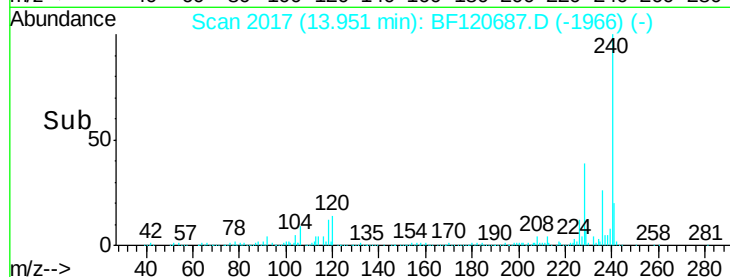
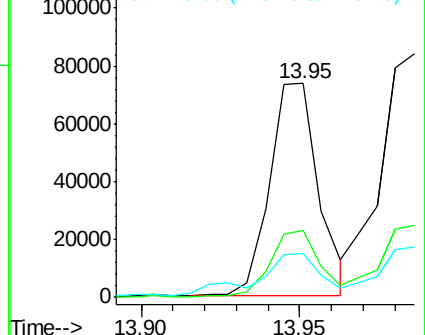
229 20.3 16.1 24.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 3.230 ng

RT: 13.99 min Scan# 2023

Delta R.T. 0.00 min

Lab File: BF120687.D

Acq: 22 Jun 2020 20:35

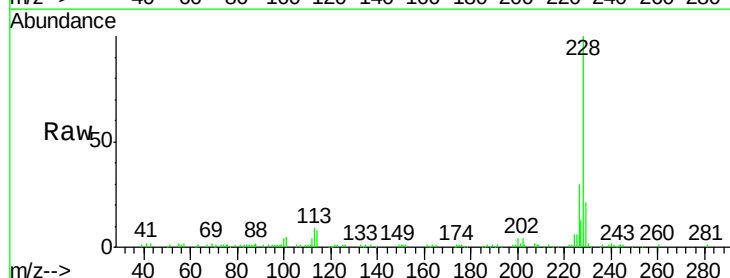
Tgt Ion:228 Resp: 86785

Ion Ratio Lower Upper

228 100

226 29.7 24.9 37.3

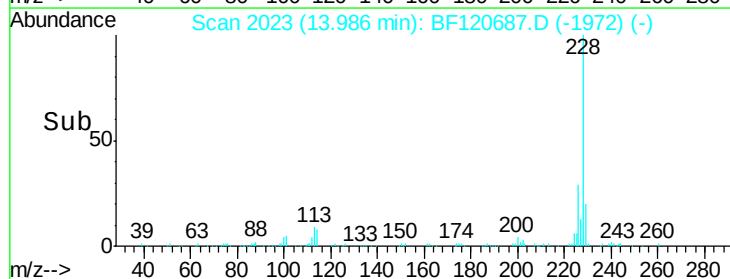
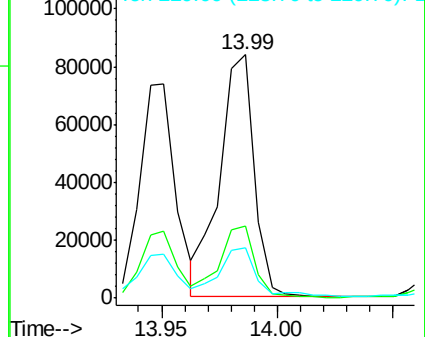
229 20.6 16.1 24.1

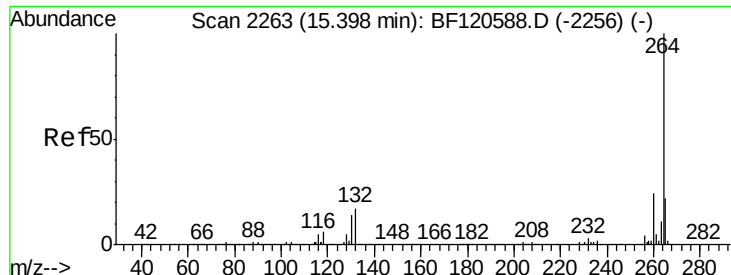


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

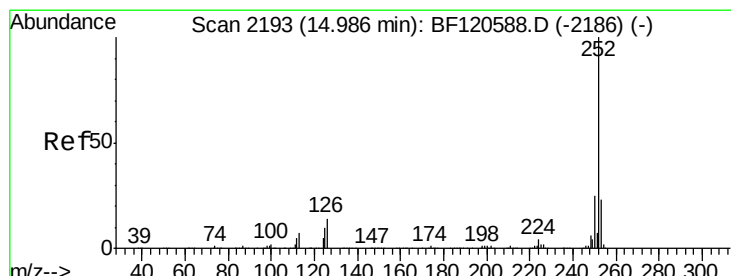
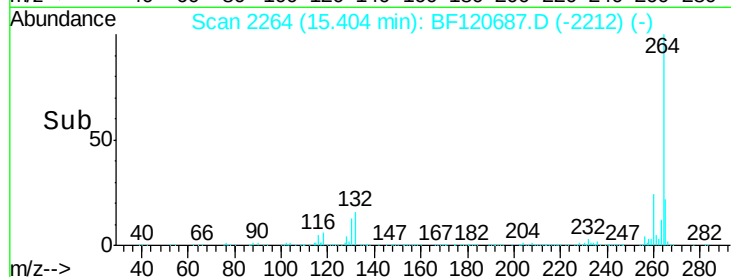
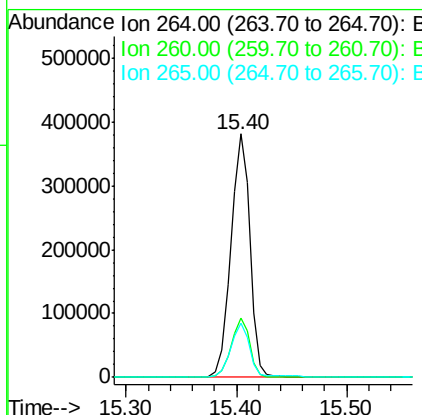
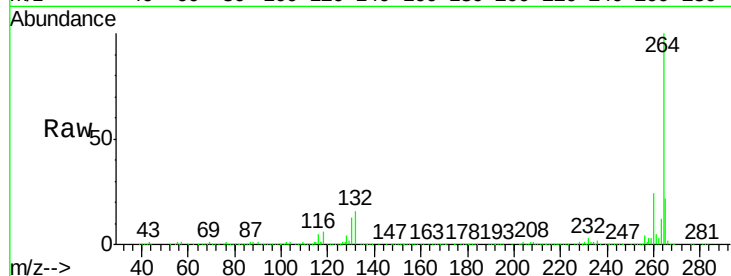




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.40 min Scan# 2264
Delta R.T. 0.01 min
Lab File: BF120687.D
Acq: 22 Jun 2020 20:35

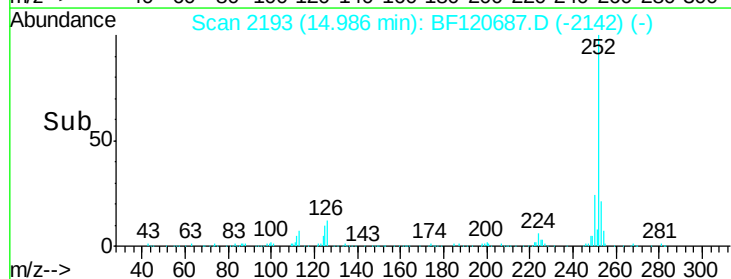
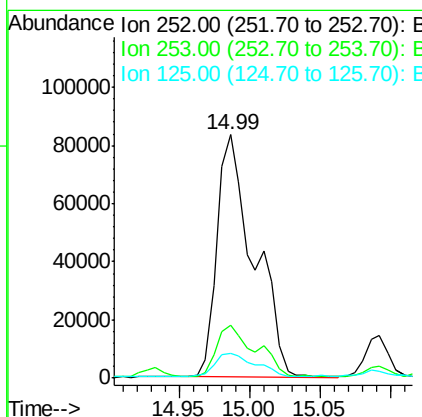
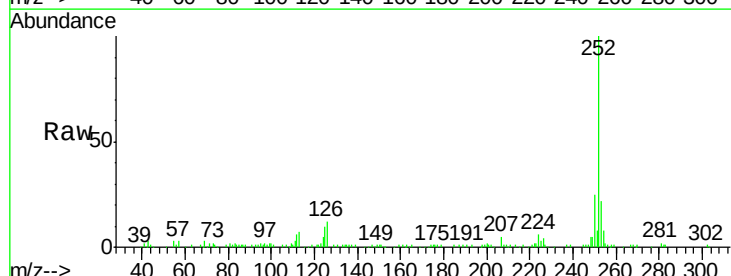
Instrument :
BNA_F
ClientSampled :
SB-14

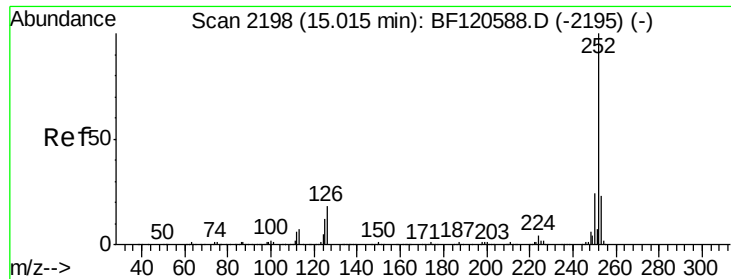
Tot Ion:264 Resp: 463281
Ion Ratio Lower Upper
264 100
260 24.4 19.3 28.9
265 22.0 17.8 26.8



#88
Benzo(b)fluoranthene
Concen: 5.535 ng
RT: 14.99 min Scan# 2193
Delta R.T. 0.00 min
Lab File: BF120687.D
Acq: 22 Jun 2020 20:35

Tgt Ion:252 Resp: 152751
Ion Ratio Lower Upper
252 100
253 21.8 18.1 27.1
125 10.4 8.3 12.5

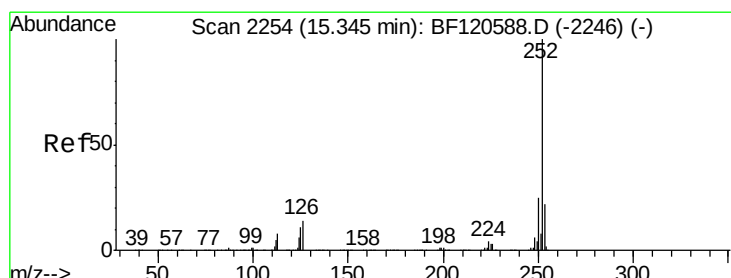
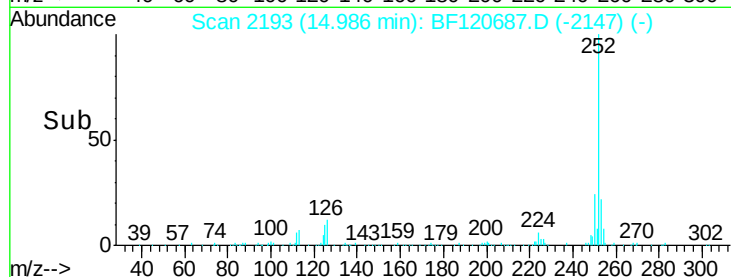
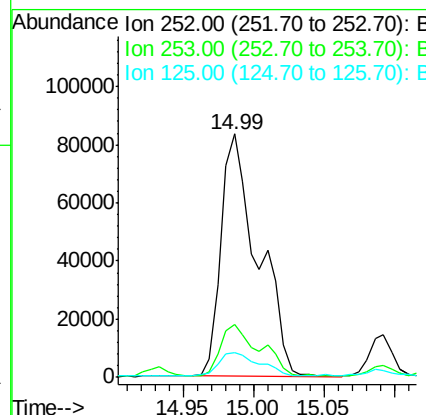
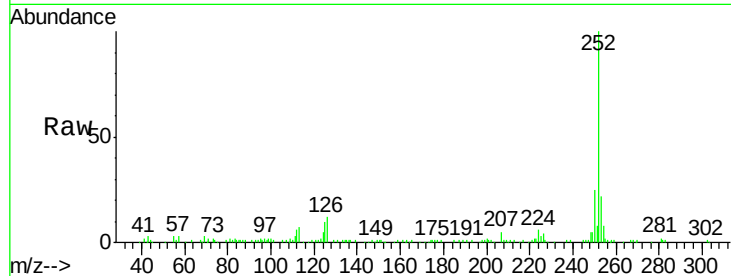




#89
Benzo(k)fluoranthene
Concen: 6.255 ng
RT: 14.99 min Scan# 2193
Delta R.T. -0.03 min
Lab File: BF120687.D
Acq: 22 Jun 2020 20:35

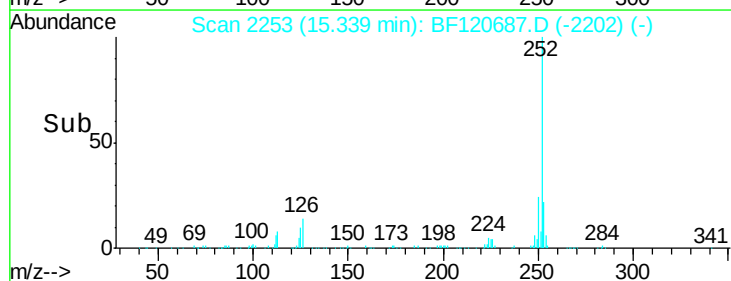
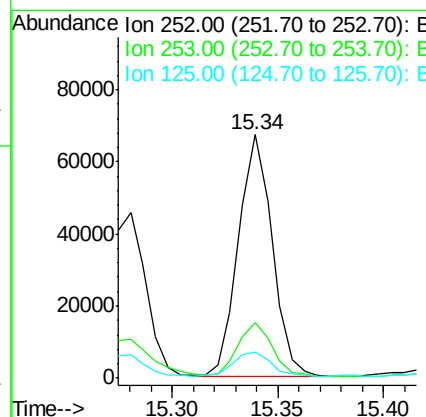
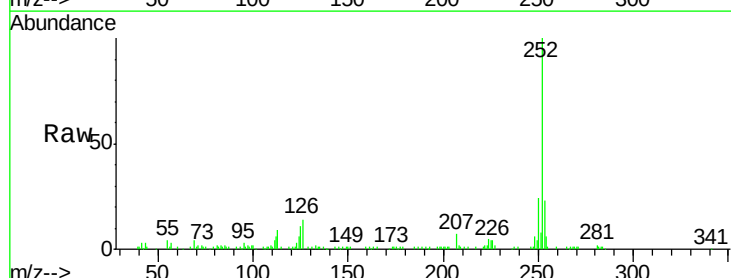
Instrument :
BNA_F
ClientSampleId :
SB-14

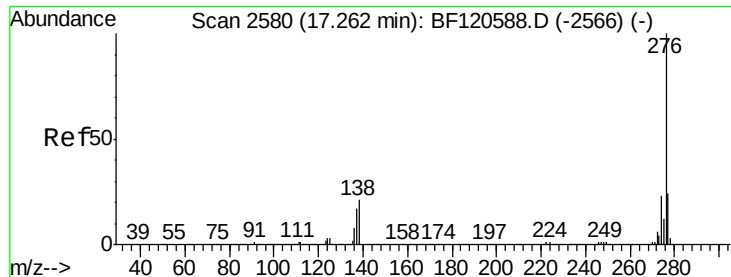
Tot Ion:252 Resp: 152751
Ion Ratio Lower Upper
252 100
253 21.8 18.0 27.0
125 10.4 8.3 12.5



#90
Benzo(a)pyrene
Concen: 3.024 ng
RT: 15.34 min Scan# 2253
Delta R.T. 0.00 min
Lab File: BF120687.D
Acq: 22 Jun 2020 20:35

Tgt Ion:252 Resp: 74681
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 10.7 8.6 12.8





#92

Benzo(a,h,i)perylene

Concen: 2.217 ng

RT: 17.25 min Scan# 2578

Delta R.T. -0.01 min

Lab File: BF120687.D

Acq: 22 Jun 2020 20:35

Instrument :

BNA_F

ClientSampleId :

SB-14

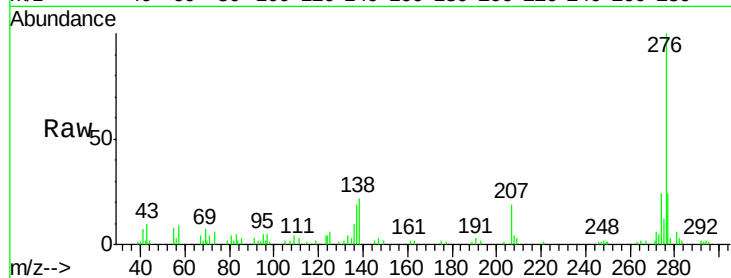
Tot Ion:276 Resp: 50507

Ion Ratio Lower Upper

276 100

277 24.2 19.6 29.4

138 22.4 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

