

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF011419\
 Data File : BF112062.D
 Acq On : 14 Jan 2019 20:29
 Operator : JU/SJ
 Sample : K1102-01DL 25X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CPSB-18(15-20)DL

Quant Time: Jan 14 21:06:48 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF010719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 11 21:37:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	96729	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	362556	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	160423	20.00	ng	-0.01
64) Phenanthrene-d10	11.39	188	252335	20.00	ng	0.00
76) Chrysene-d12	14.04	240	248971	20.00	ng	0.00
87) Perylene-d12	15.52	264	217318	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	16016	2.83	ng	0.00
7) Phenol-d6	6.51	99	19929	2.73	ng	0.00
23) Nitrobenzene-d5	7.42	82	13032	1.92	ng	-0.02
42) 2,4,6-Tribromophenol	10.69	330	4297	2.06	ng	-0.01
45) 2-Fluorobiphenyl	9.22	172	24488	2.23	ng	-0.01
79) Terphenyl-d14	12.97	244	19512	1.49	ng	-0.01

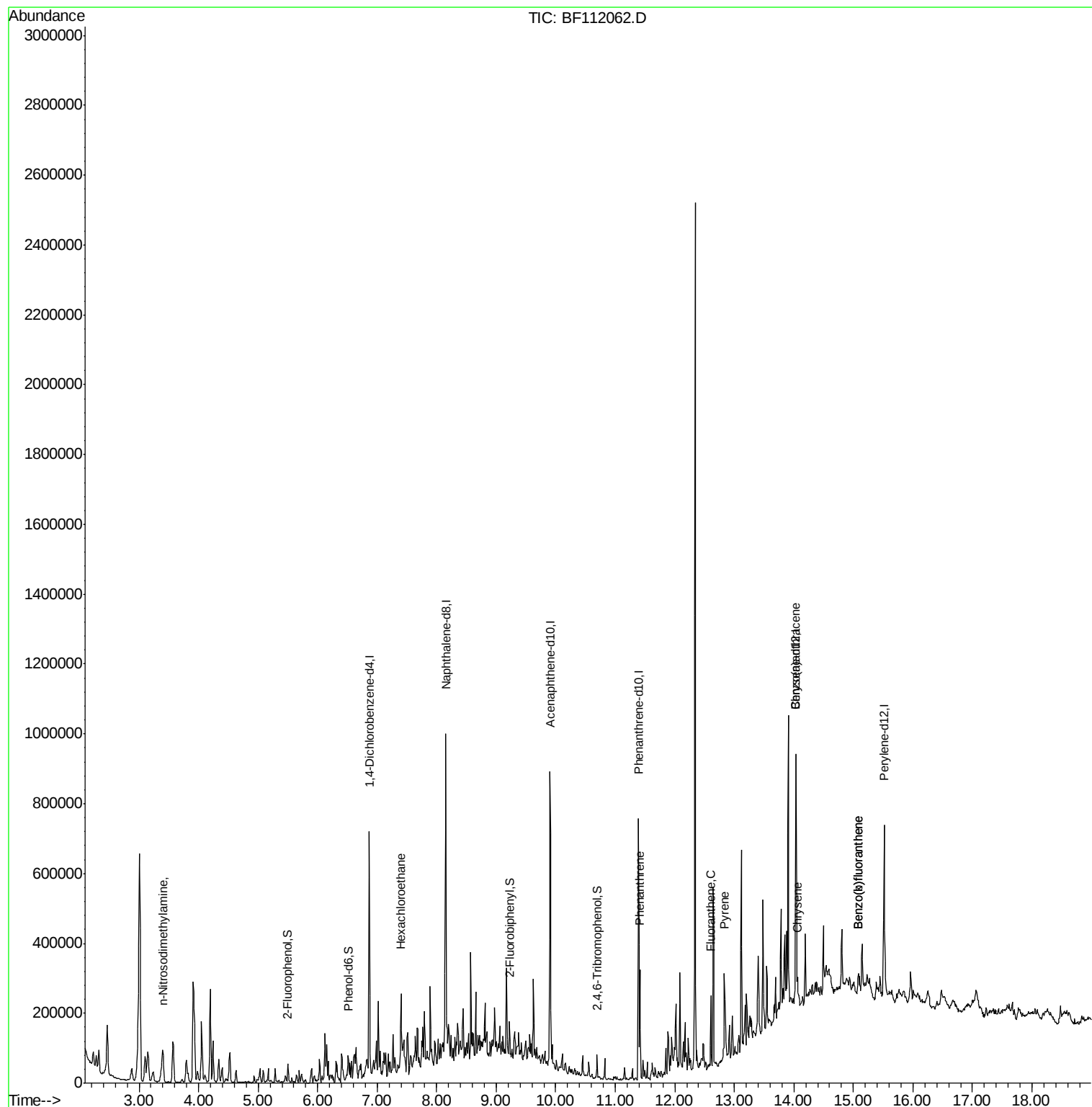
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) n-Nitrosodimethylamine	3.40	42	10894	3.417	ng	# 1
9) Benzaldehyde	6.40	77	886	Below Cal		# 1
18) Hexachloroethane	7.40	117	9030	3.502	ng	# 1
71) Phenanthrene	11.42	178	106030	7.859	ng	100
75) Fluoranthene	12.60	202	82193	5.935	ng	98
78) Pyrene	12.83	202	65968	3.851	ng	96
81) Benzo(a)anthracene	14.03	228	36447	2.544	ng	99
83) Chrysene	14.06	228	32398	2.371	ng	96
88) Benzo(b)fluoranthene	15.08	252	40844	3.142	ng	# 84
89) Benzo(k)fluoranthene	15.08	252	40844	3.342	ng	# 86

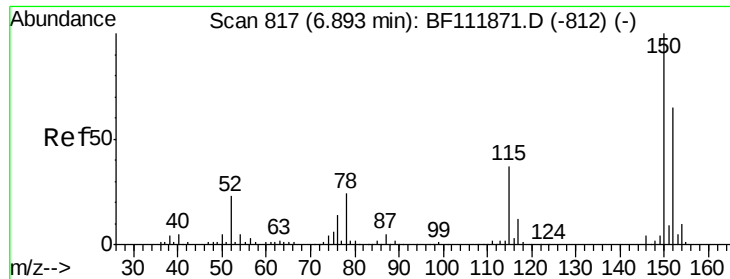
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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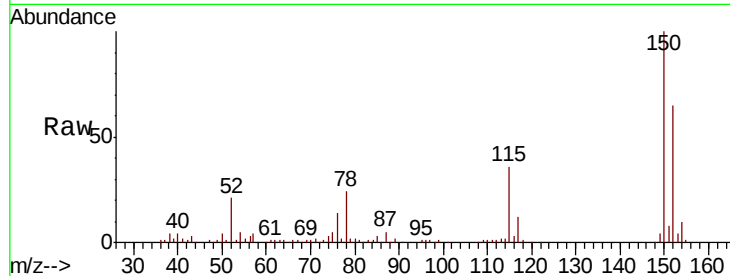


#1

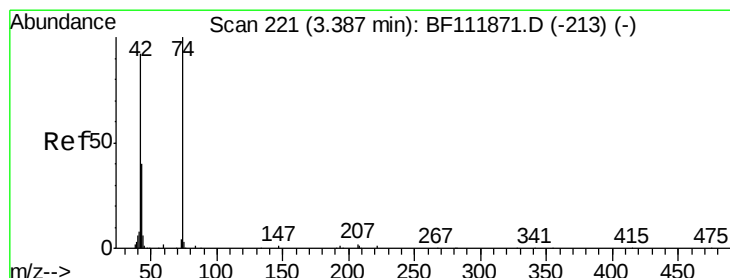
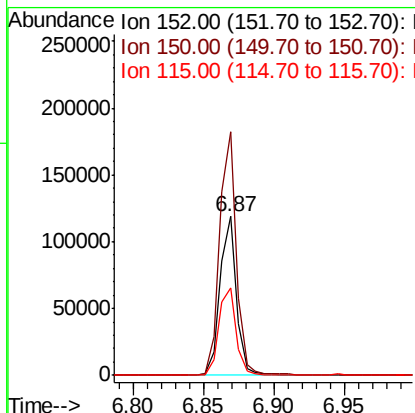
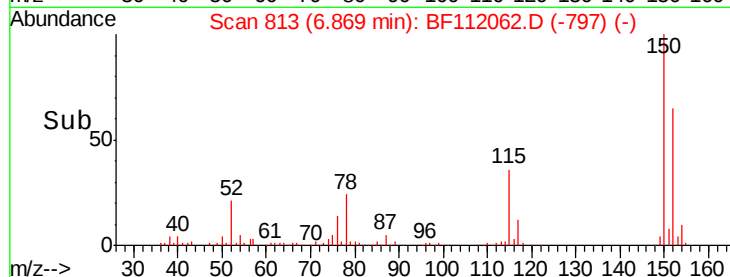
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.87 min Scan# 813
 Delta R.T. -0.01 min
 Lab File: BF112062.D
 Acq: 14 Jan 2019 20:29

Instrument :
 BNA_F
 ClientSampleId :
 CPSB-18(15-20)DL

Tgt Ion:152 Resp: 96729
 Ion Ratio Lower Upper
 152 100
 150 153.3 122.7 184.1
 115 55.4 45.2 67.8



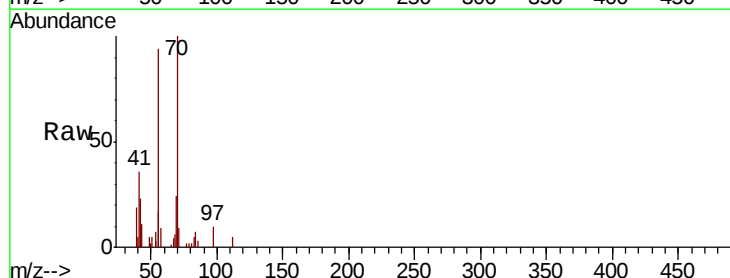
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



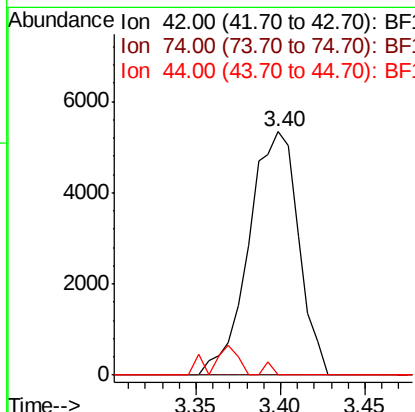
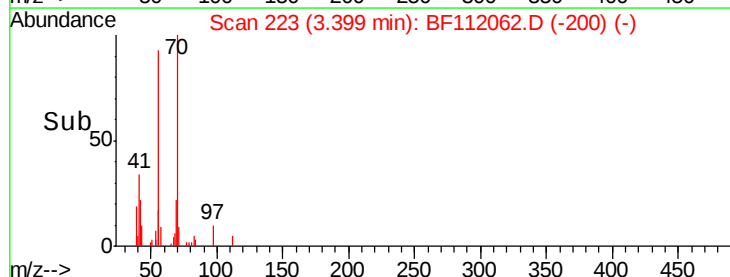
#4

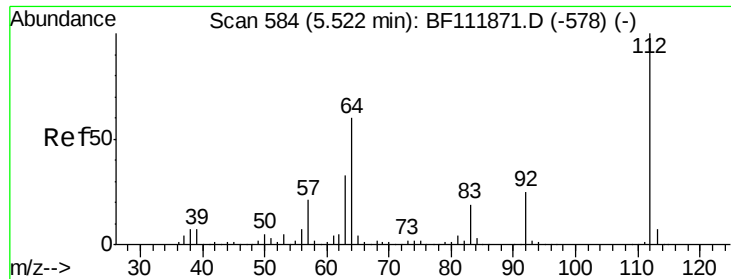
n-Nitrosodimethylamine
 Concen: 3.417 ng
 RT: 3.40 min Scan# 223
 Delta R.T. 0.04 min
 Lab File: BF112062.D
 Acq: 14 Jan 2019 20:29

Tgt Ion: 42 Resp: 10894
 Ion Ratio Lower Upper
 42 100
 74 0.0 87.0 130.6#
 44 0.0 5.5 8.3#



Abundance Ion 42.00 (41.70 to 42.70): BF1
 Ion 74.00 (73.70 to 74.70): BF1
 Ion 44.00 (43.70 to 44.70): BF1

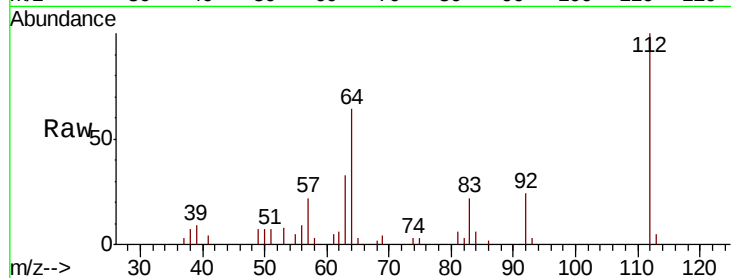




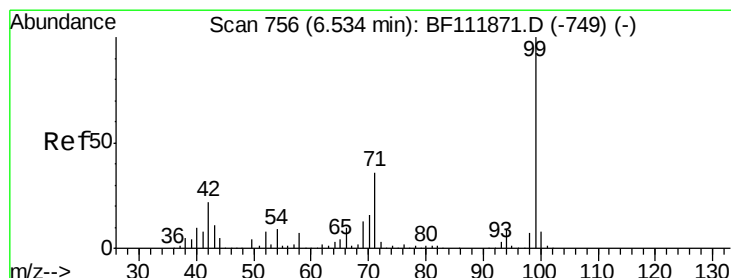
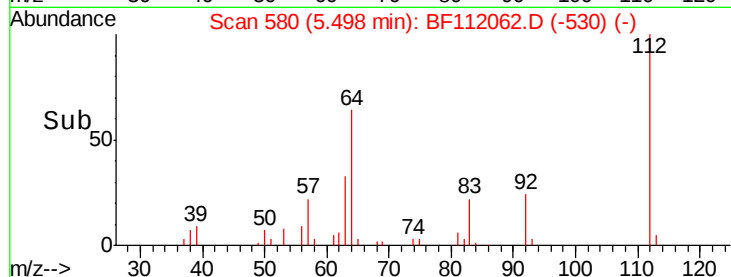
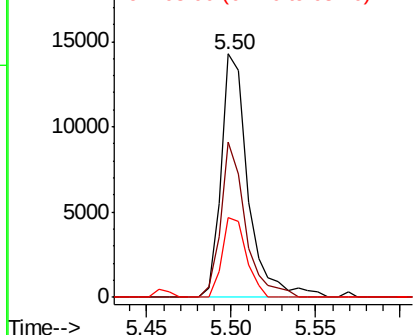
#5
 2-Fluorophenol
 Concen: 2.833 ng
 RT: 5.50 min Scan# 580
 Delta R.T. -0.01 min
 Lab File: BF112062.D
 Acq: 14 Jan 2019 20:29

Instrument :
 BNA_F
 ClientSampleId :
 CPSB-18(15-20)DL

Tgt Ion: 112 Resp: 16016
 Ion Ratio Lower Upper
 112 100
 64 64.0 48.3 72.5
 63 32.6 26.1 39.1

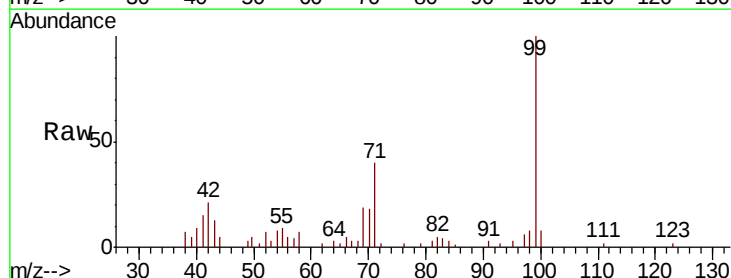


Abundance Ion 112.00 (111.70 to 112.70): BF1
 Ion 64.00 (63.70 to 64.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1

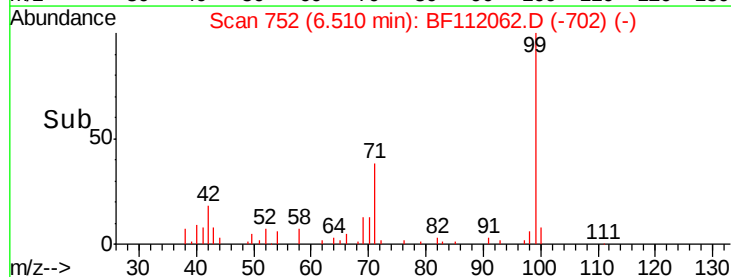
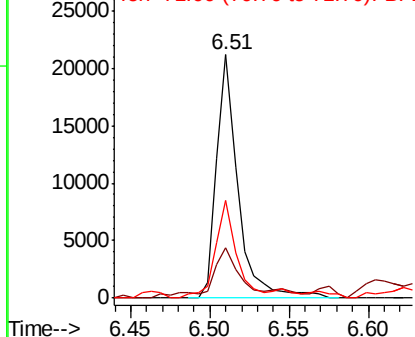


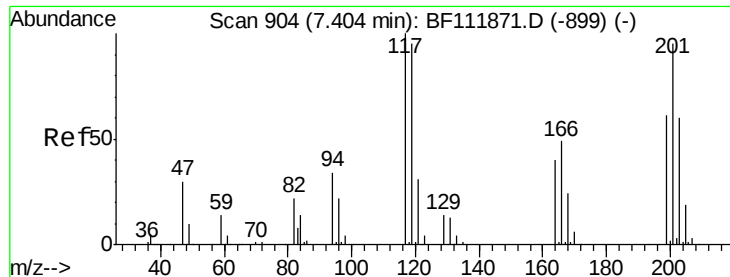
#7
 Phenol-d6
 Concen: 2.735 ng
 RT: 6.51 min Scan# 752
 Delta R.T. -0.01 min
 Lab File: BF112062.D
 Acq: 14 Jan 2019 20:29

Tgt Ion: 99 Resp: 19929
 Ion Ratio Lower Upper
 99 100
 42 20.7 17.9 26.9
 71 40.3 28.7 43.1



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

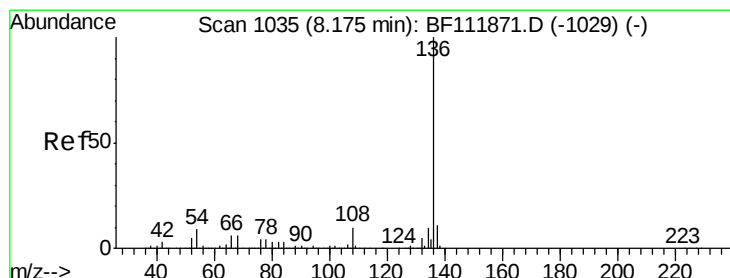
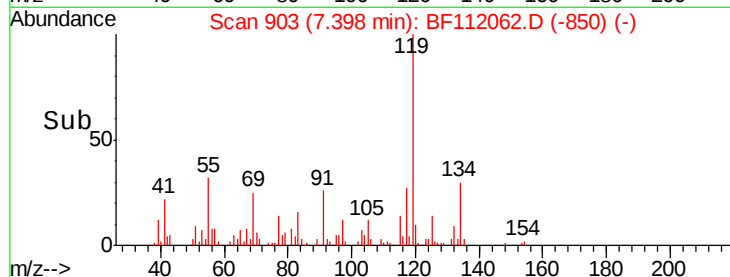
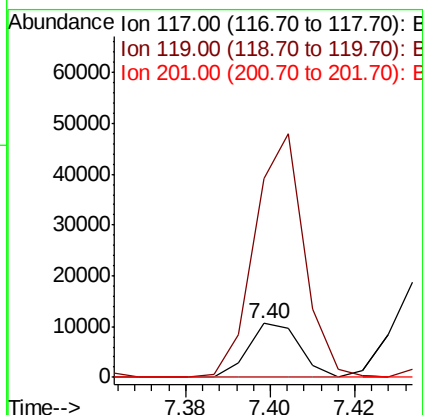
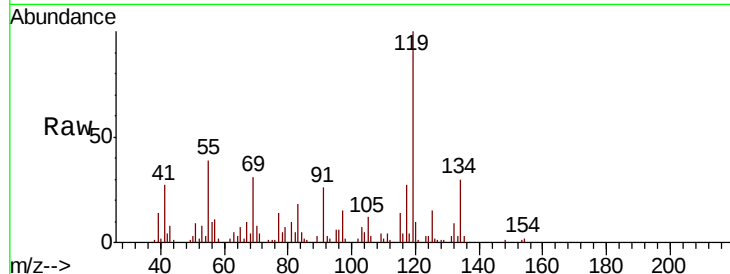




#18
Hexachloroethane
Concen: 3.502 ng
RT: 7.40 min Scan# 903
Delta R.T. 0.01 min
Lab File: BF112062.D
Acq: 14 Jan 2019 20:29

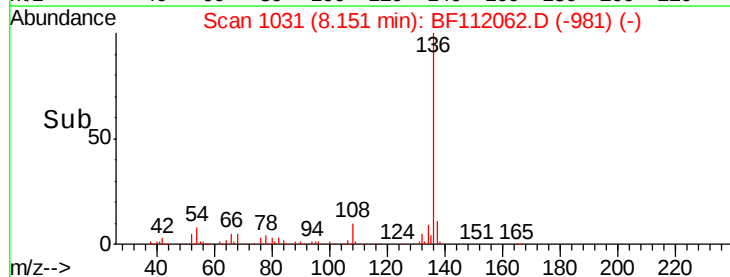
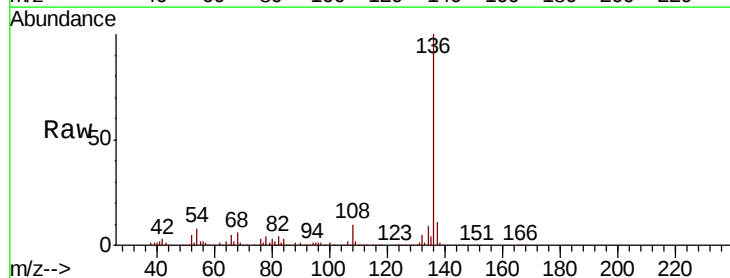
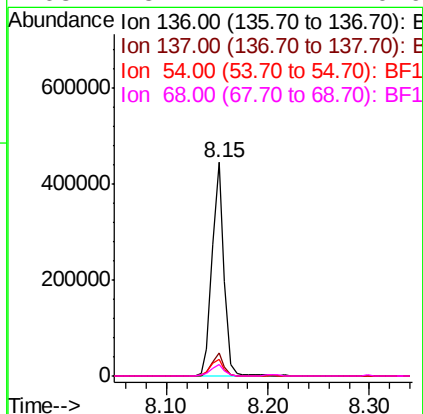
Instrument :
BNA_F
ClientSampleId :
CPSB-18(15-20)DL

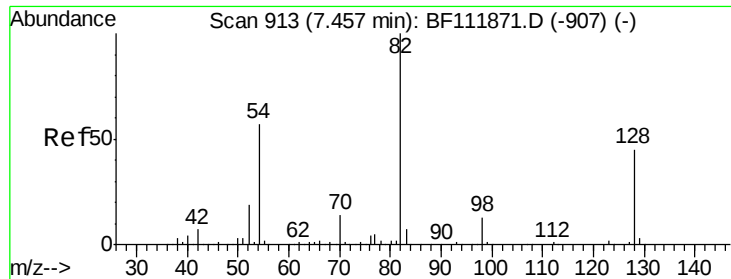
Tgt Ion:117 Resp: 9030
Ion Ratio Lower Upper
117 100
119 370.8 76.2 114.2#
201 0.0 75.7 113.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BF112062.D
Acq: 14 Jan 2019 20:29

Tgt Ion:136 Resp: 362556
Ion Ratio Lower Upper
136 100
137 11.0 9.1 13.7
54 8.0 7.2 10.8
68 5.7 4.4 6.6

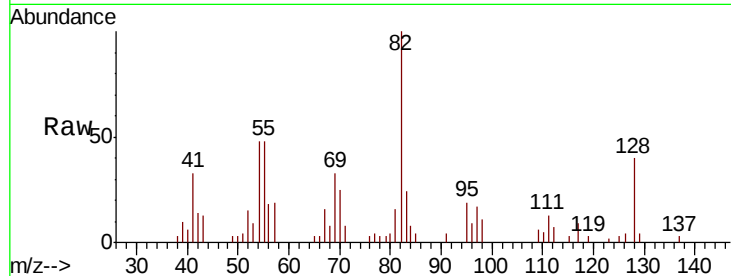




#23
 Nitrobenzene-d5
 Concen: 1.921 ng
 RT: 7.42 min Scan# 907
 Delta R.T. -0.02 min
 Lab File: BF112062.D
 Acq: 14 Jan 2019 20:29

Instrument :
 BNA_F
 ClientSampleId :
 CPSB-18(15-20)DL

Tgt Ion	Ratio	Lower	Upper
82	100		
128	39.5	35.7	53.5
54	48.2	45.8	68.8

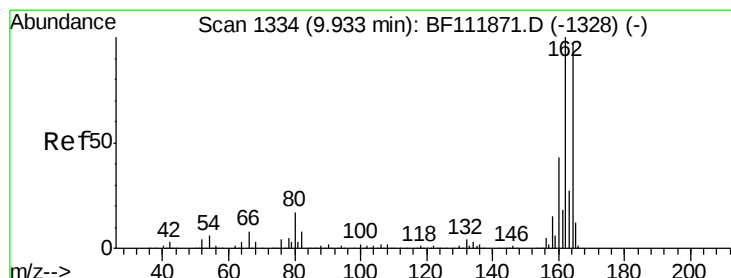
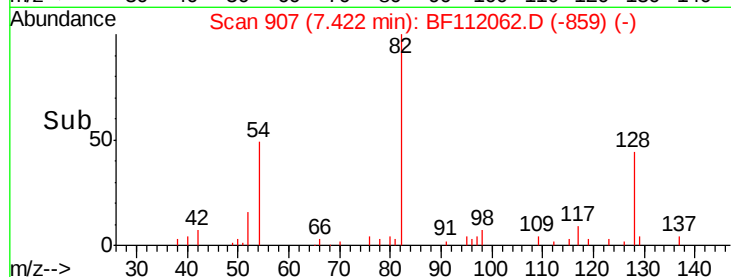
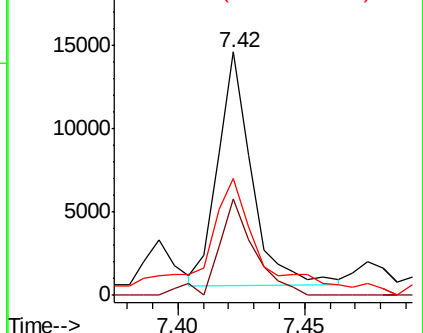


Abundance

Ion 82.00 (81.70 to 82.70): BF1

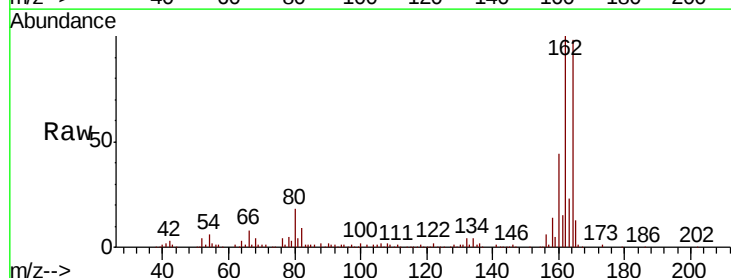
Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.90 min Scan# 1329
 Delta R.T. -0.01 min
 Lab File: BF112062.D
 Acq: 14 Jan 2019 20:29

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.7	82.2	123.2
160	45.1	35.5	53.3

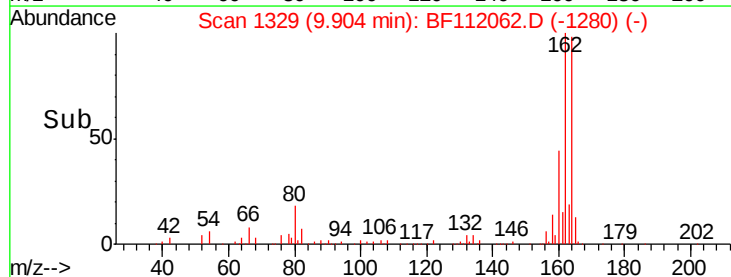
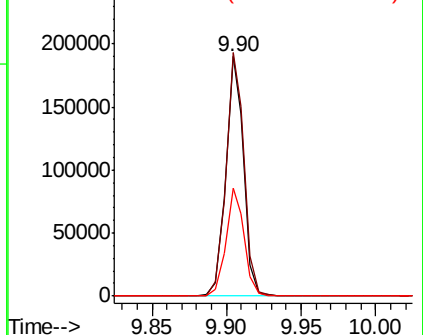


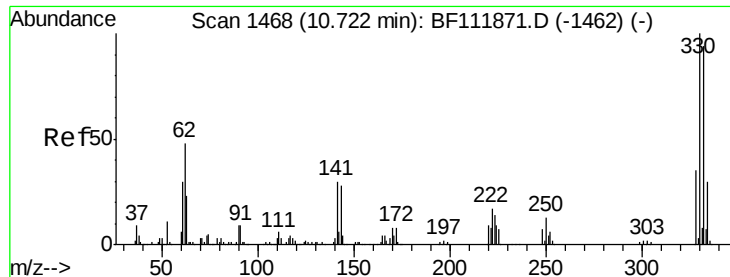
Abundance

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

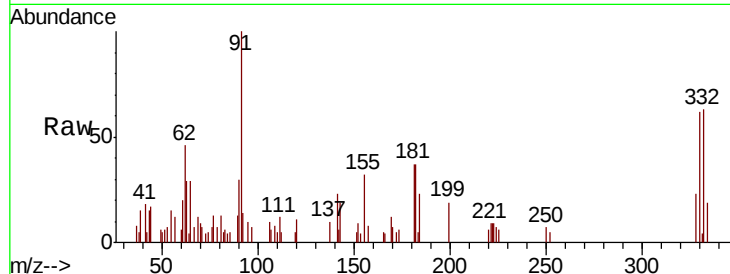




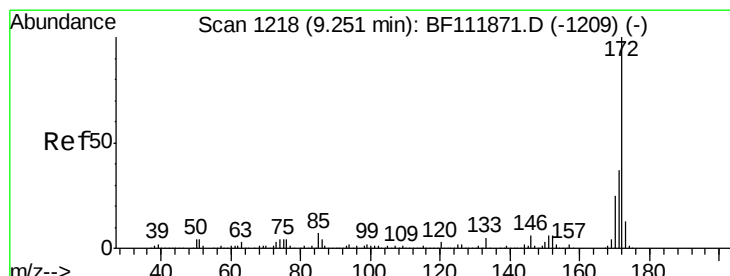
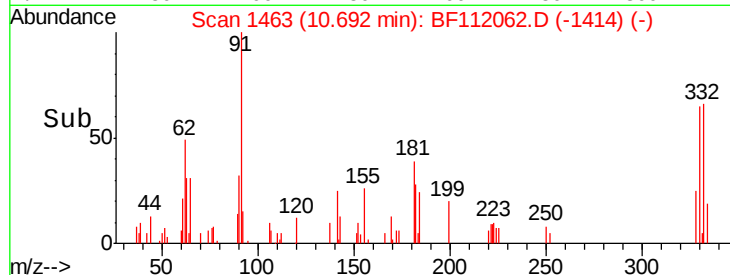
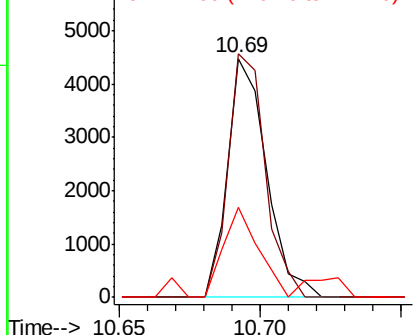
#42
 2,4,6-Tribromophenol
 Concen: 2.059 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.01 min
 Lab File: BF112062.D
 Acq: 14 Jan 2019 20:29

Instrument :
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 CPSB-18(15-20)DL

Tgt Ion:330 Resp: 4297
 Ion Ratio Lower Upper
 330 100
 332 96.9 76.9 115.3
 141 36.7 23.7 35.5#

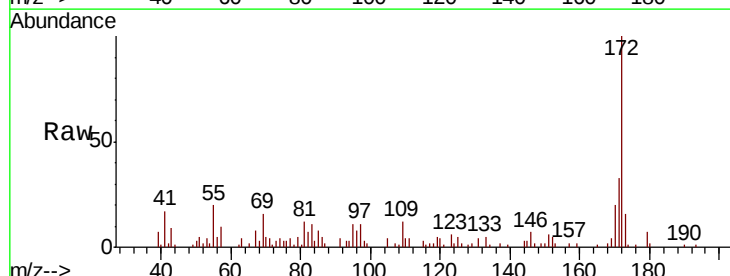


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

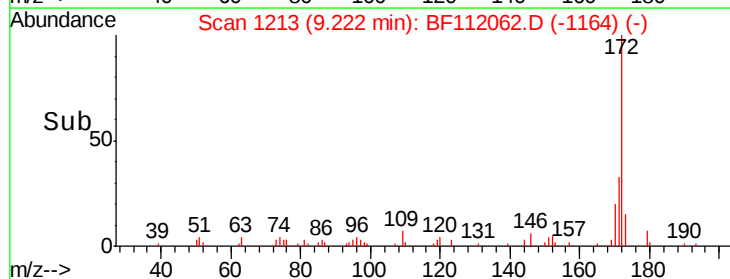
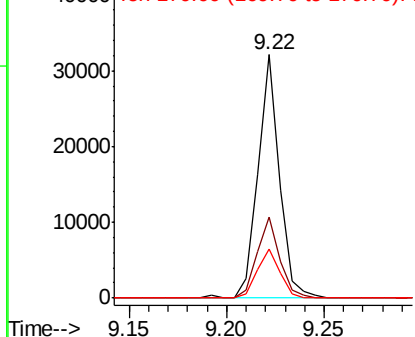


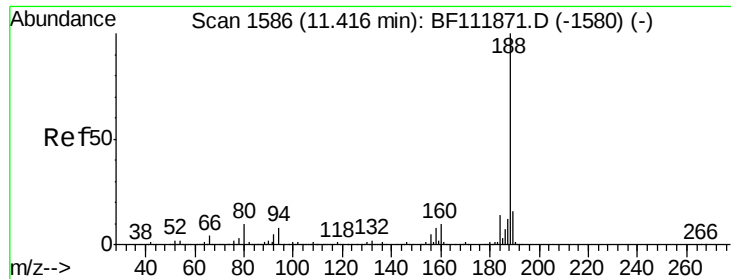
#45
 2-Fluorobiphenyl
 Concen: 2.226 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.01 min
 Lab File: BF112062.D
 Acq: 14 Jan 2019 20:29

Tgt Ion:172 Resp: 24488
 Ion Ratio Lower Upper
 172 100
 171 33.3 29.6 44.4
 170 20.2 19.8 29.8



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.39 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BF112062.D

Acq: 14 Jan 2019 20:29

Instrument :

BNA_F

ClientSampleId :

CPSB-18(15-20)DL

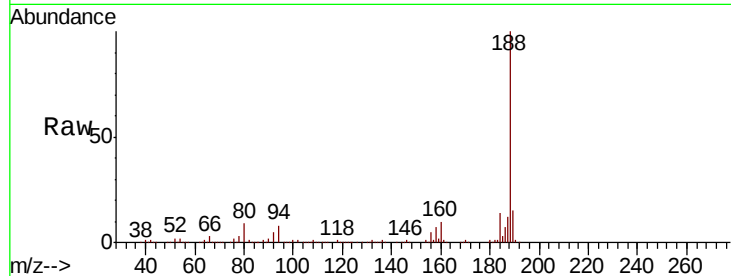
Tgt Ion:188 Resp: 252335

Ion Ratio Lower Upper

188 100

94 8.1 6.6 10.0

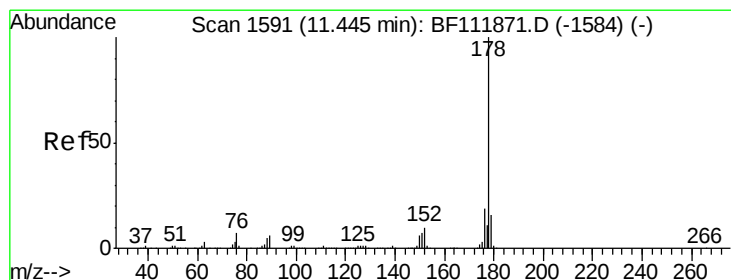
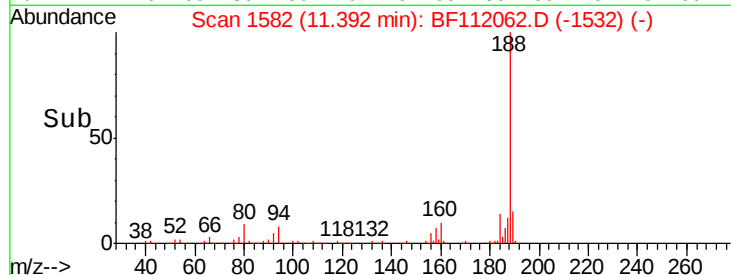
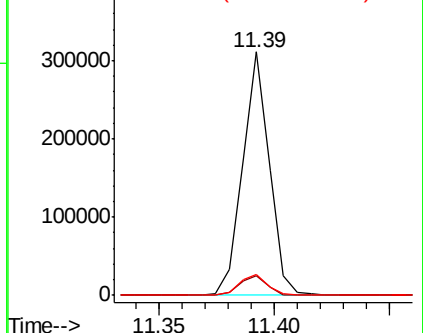
80 8.7 7.7 11.5



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: 7.859 ng

RT: 11.42 min Scan# 1586

Delta R.T. -0.01 min

Lab File: BF112062.D

Acq: 14 Jan 2019 20:29

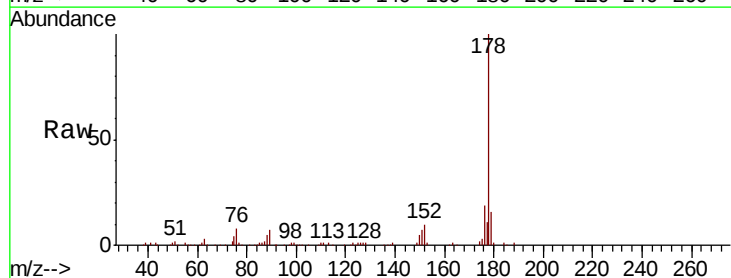
Tgt Ion:178 Resp: 106030

Ion Ratio Lower Upper

178 100

176 19.2 15.6 23.4

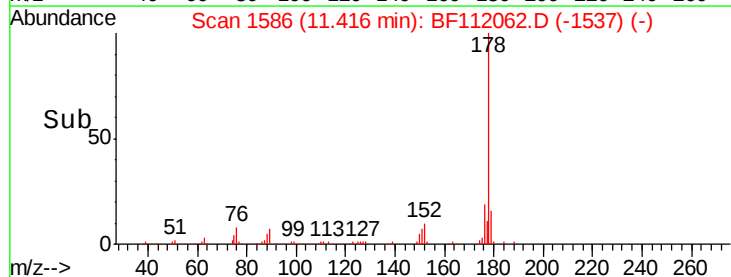
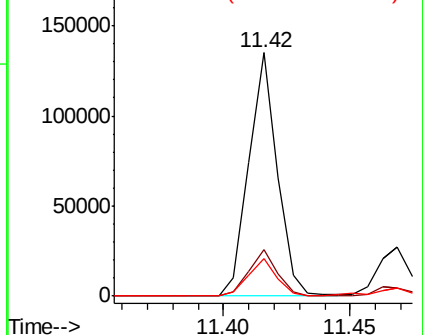
179 15.6 12.6 18.8

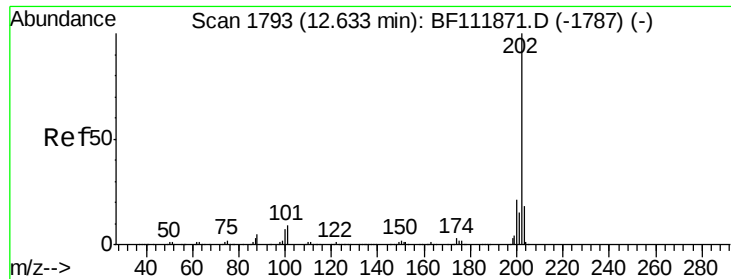


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 5.935 ng

RT: 12.60 min Scan# 1788

Delta R.T. -0.01 min

Lab File: BF112062.D

Acq: 14 Jan 2019 20:29

Instrument :

BNA_F

ClientSampleId :

CPSB-18(15-20)DL

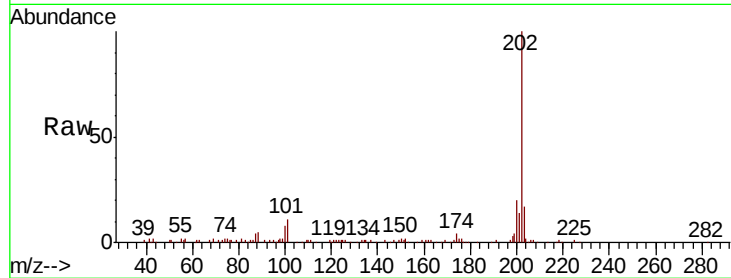
Tgt Ion:202 Resp: 82193

Ion Ratio Lower Upper

202 100

101 10.9 0.0 29.3

203 17.1 0.0 37.6

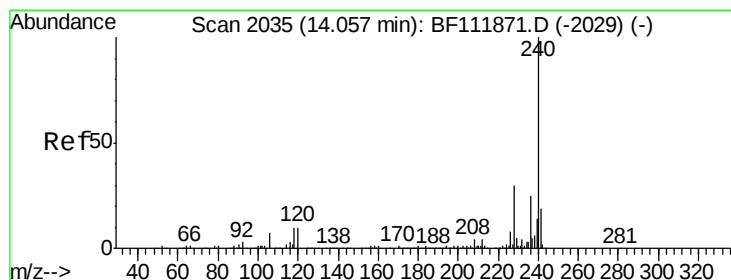
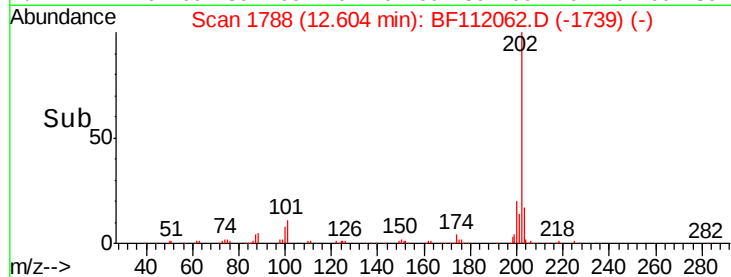
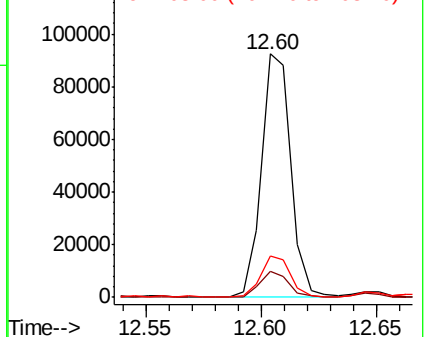


Abundance

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: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF112062.D

Acq: 14 Jan 2019 20:29

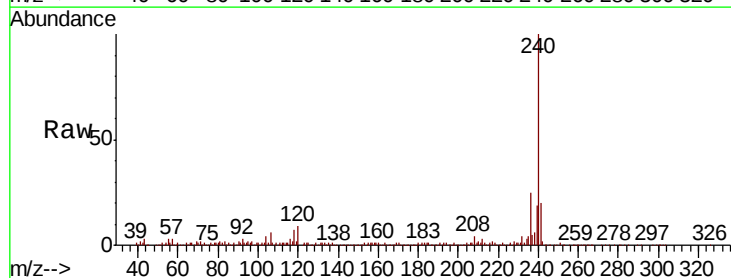
Tgt Ion:240 Resp: 248971

Ion Ratio Lower Upper

240 100

120 8.7 8.2 12.2

236 25.4 20.2 30.4

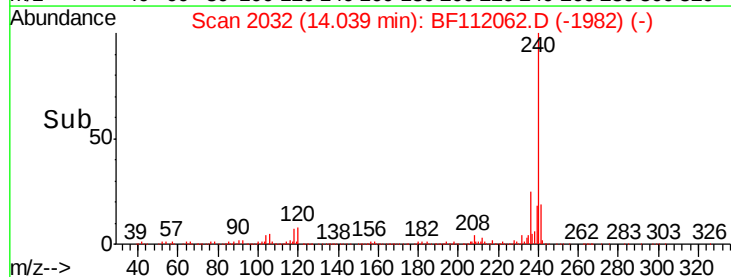
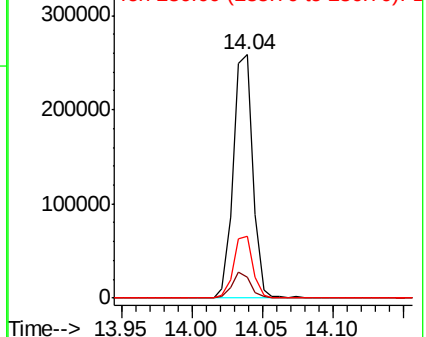


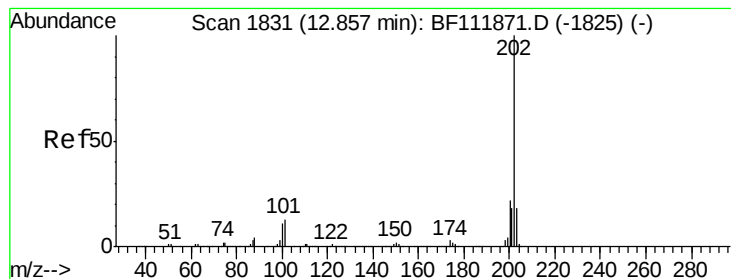
Abundance

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

Pyrene

Concen: 3.851 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.01 min

Lab File: BF112062.D

Acq: 14 Jan 2019 20:29

Instrument :

BNA_F

ClientSampleId :

CPSB-18(15-20)DL

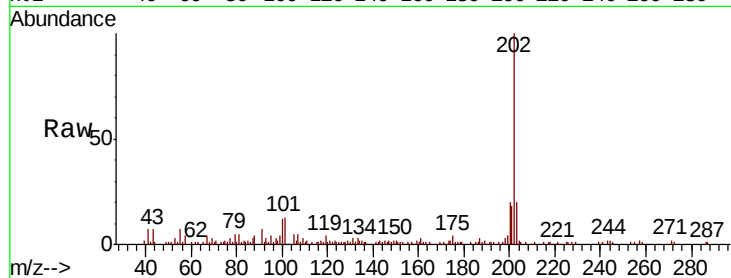
Tgt Ion:202 Resp: 65968

Ion Ratio Lower Upper

202 100

200 19.7 17.4 26.2

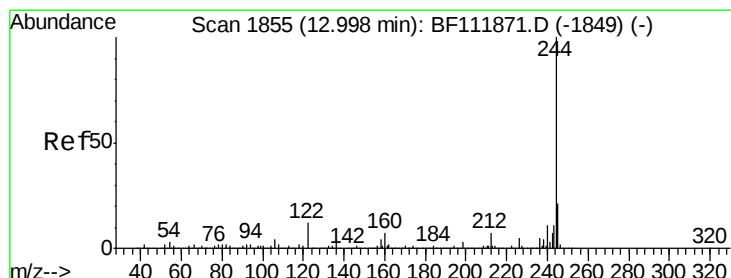
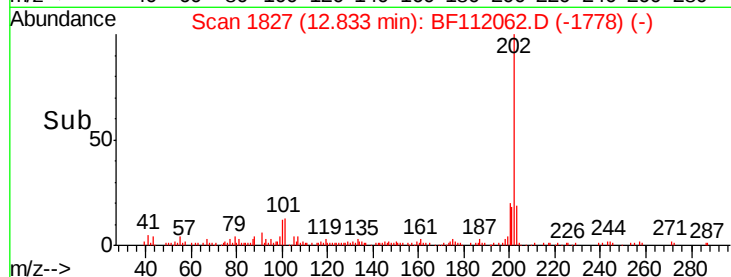
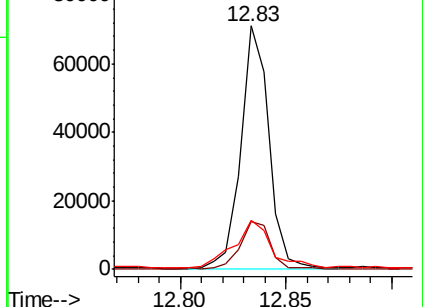
203 19.9 14.6 21.8



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: 1.488 ng

RT: 12.97 min Scan# 1851

Delta R.T. -0.01 min

Lab File: BF112062.D

Acq: 14 Jan 2019 20:29

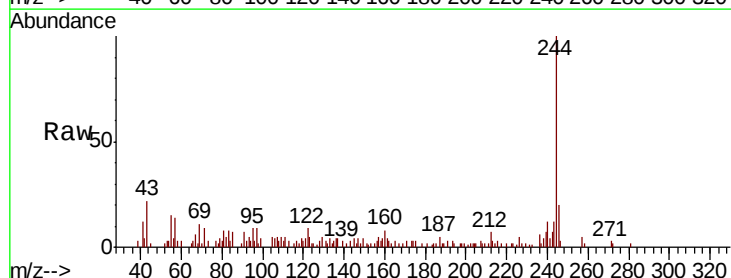
Tgt Ion:244 Resp: 19512

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

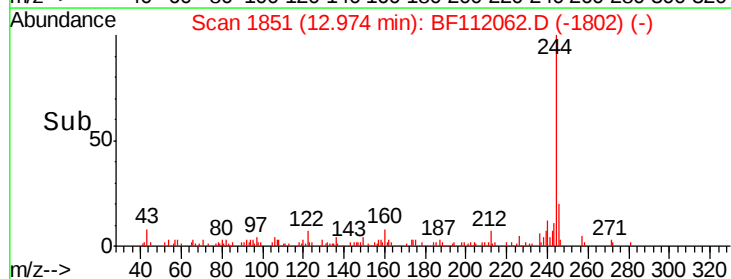
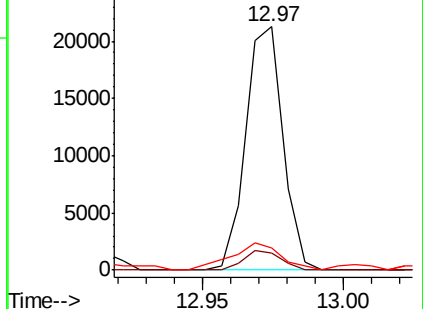
122 9.0 9.5 14.3#

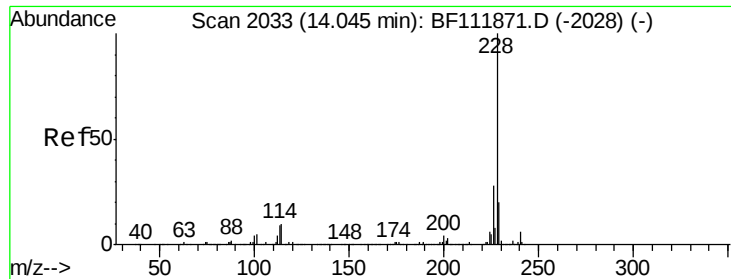


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

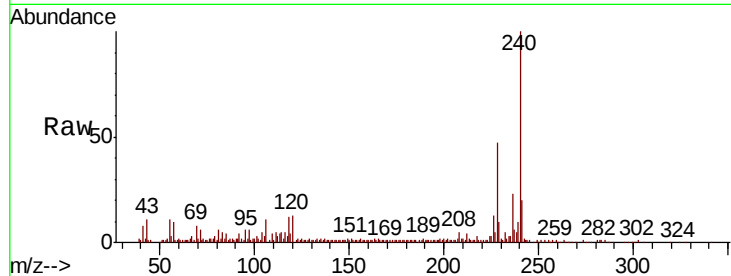




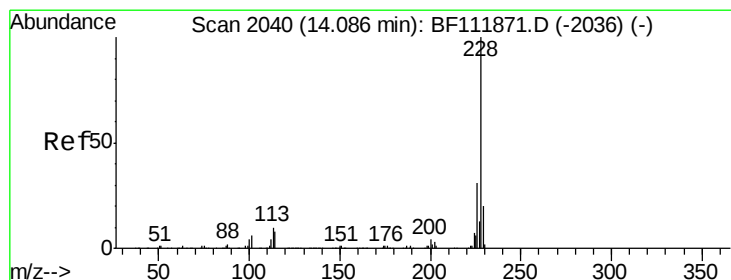
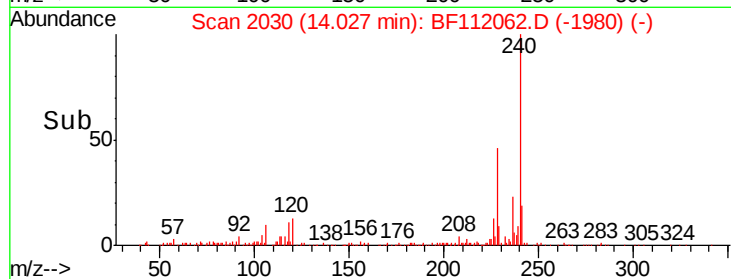
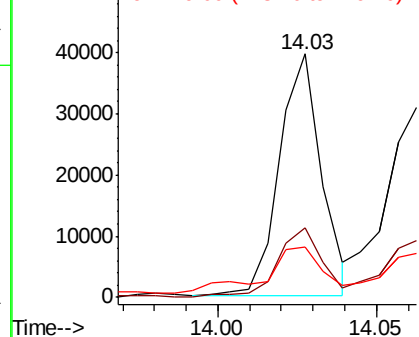
#81
Benzo(a)anthracene
Concen: 2.544 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF112062.D
Acq: 14 Jan 2019 20:29

Instrument :
BNA_F
ClientSampleId :
CPSB-18(15-20)DL

Tgt Ion:228 Resp: 36447
Ion Ratio Lower Upper
228 100
226 28.3 22.2 33.2
229 20.8 16.2 24.2

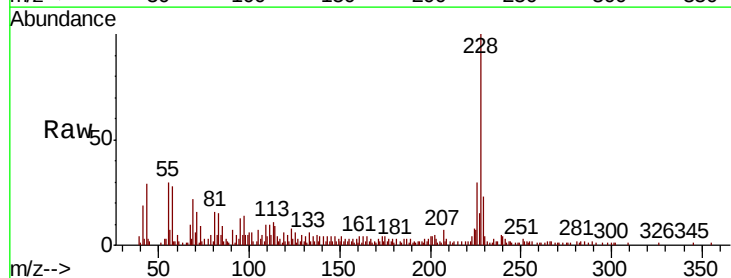


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

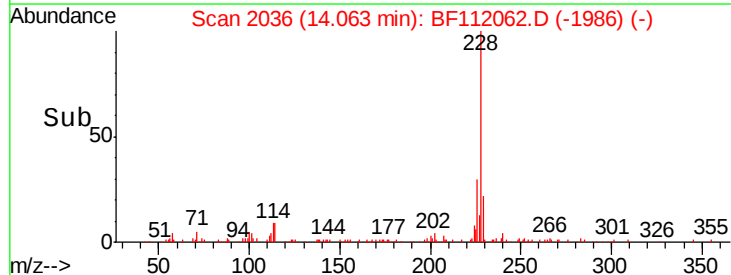
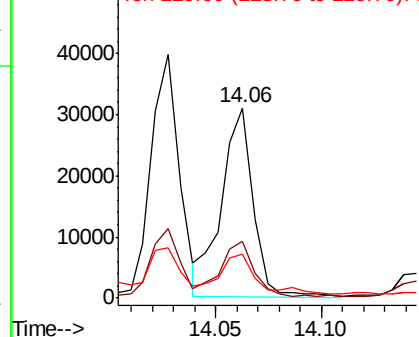


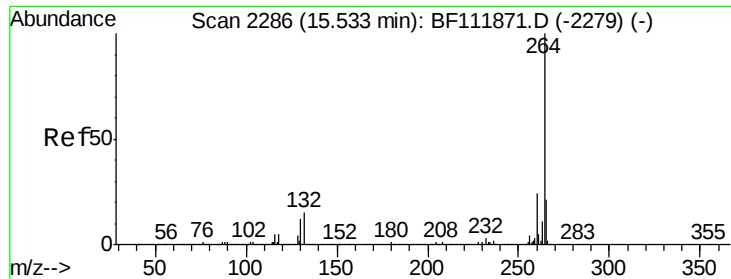
#83
Chrysene
Concen: 2.371 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BF112062.D
Acq: 14 Jan 2019 20:29

Tgt Ion:228 Resp: 32398
Ion Ratio Lower Upper
228 100
226 30.0 24.6 37.0
229 23.5 15.7 23.5



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

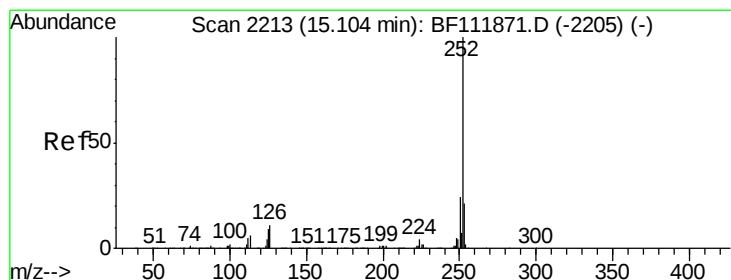
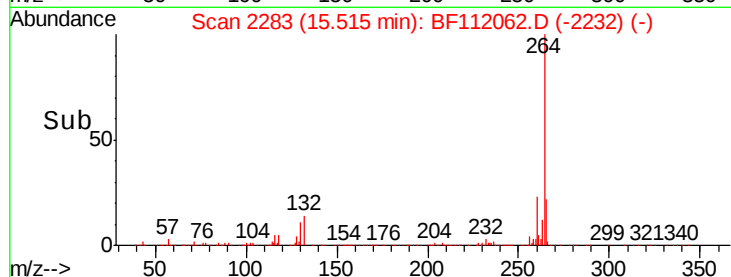
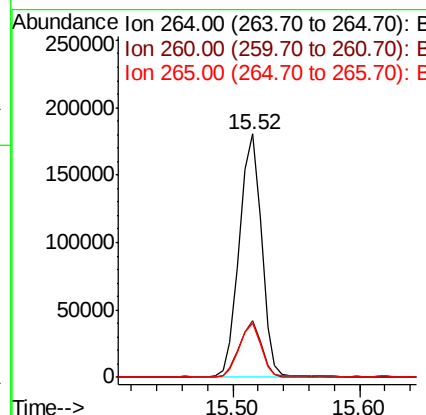
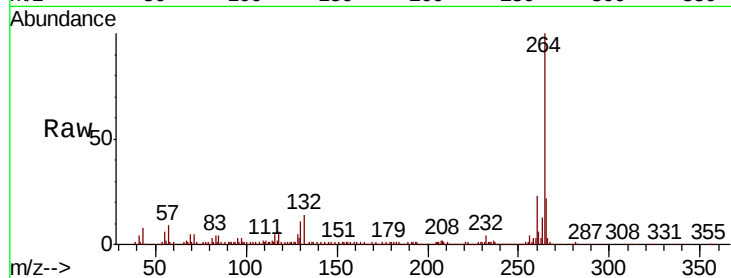




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2283
Delta R.T. -0.00 min
Lab File: BF112062.D
Acq: 14 Jan 2019 20:29

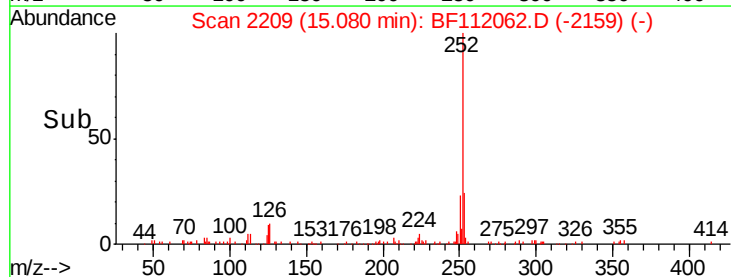
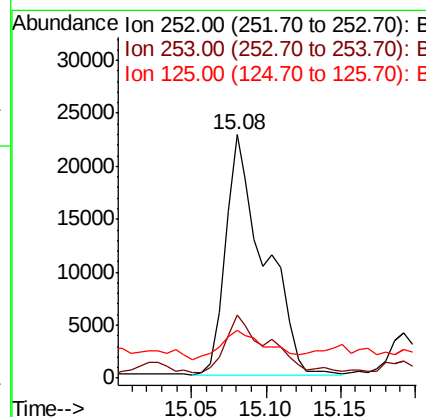
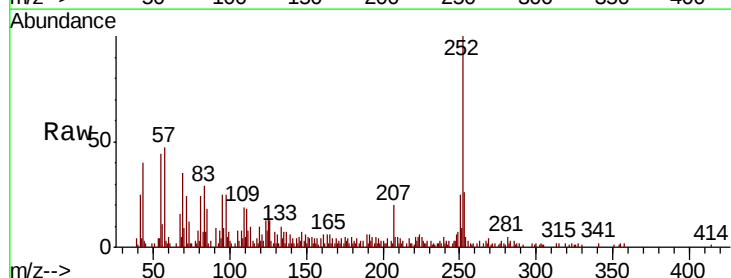
Instrument :
BNA_F
ClientSampleId :
CPSB-18(15-20)DL

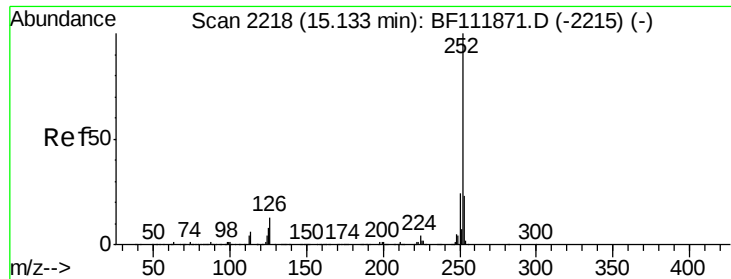
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	22.3	17.1	25.7



#88
Benzo(b)fluoranthene
Concen: 3.142 ng
RT: 15.08 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BF112062.D
Acq: 14 Jan 2019 20:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.0	25.6#
125	19.4	7.1	10.7#





#89

Benzo(k)fluoranthene

Concen: 3.342 ng

RT: 15.08 min Scan# 2209

Delta R.T. -0.04 min

Lab File: BF112062.D

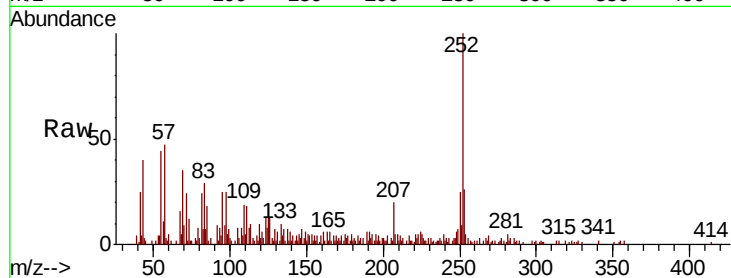
Acq: 14 Jan 2019 20:29

Instrument :

BNA_F

ClientSampleId :

CPSB-18(15-20)DL



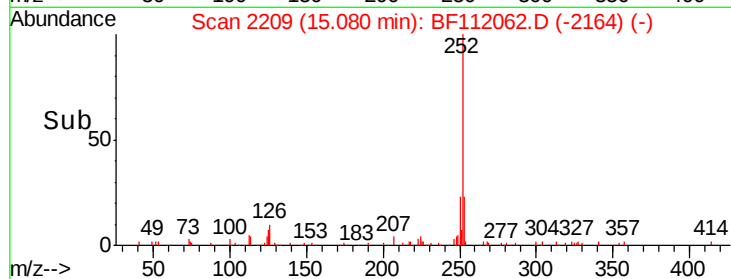
Tgt Ion:252 Resp: 40844

Ion Ratio Lower Upper

252 100

253 25.9 17.8 26.6

125 19.4 7.0 10.4#



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

