

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021120\
 Data File : BF118888.D
 Acq On : 11 Feb 2020 17:11
 Operator : CG/JU
 Sample : L1481-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11989

Quant Time: Feb 12 06:49:32 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 03 16:26:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	271331	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	1045835	20.00	ng	-0.02
39) Acenaphthene-d10	9.84	164	586828	20.00	ng	-0.02
64) Phenanthrene-d10	11.32	188	1110793	20.00	ng	-0.02
76) Chrysene-d12	13.96	240	707062	20.00	ng	-0.02
87) Perylene-d12	15.41	264	699555	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	1468000	102.41	ng	0.00
7) Phenol-d6	6.44	99	1814551	101.98	ng	-0.01
23) Nitrobenzene-d5	7.36	82	1172853	66.84	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	662725	94.38	ng	-0.02
45) 2-Fluorobiphenyl	9.16	172	2059998	62.76	ng	-0.02
79) Terphenyl-d14	12.91	244	2007809	58.33	ng	-0.02

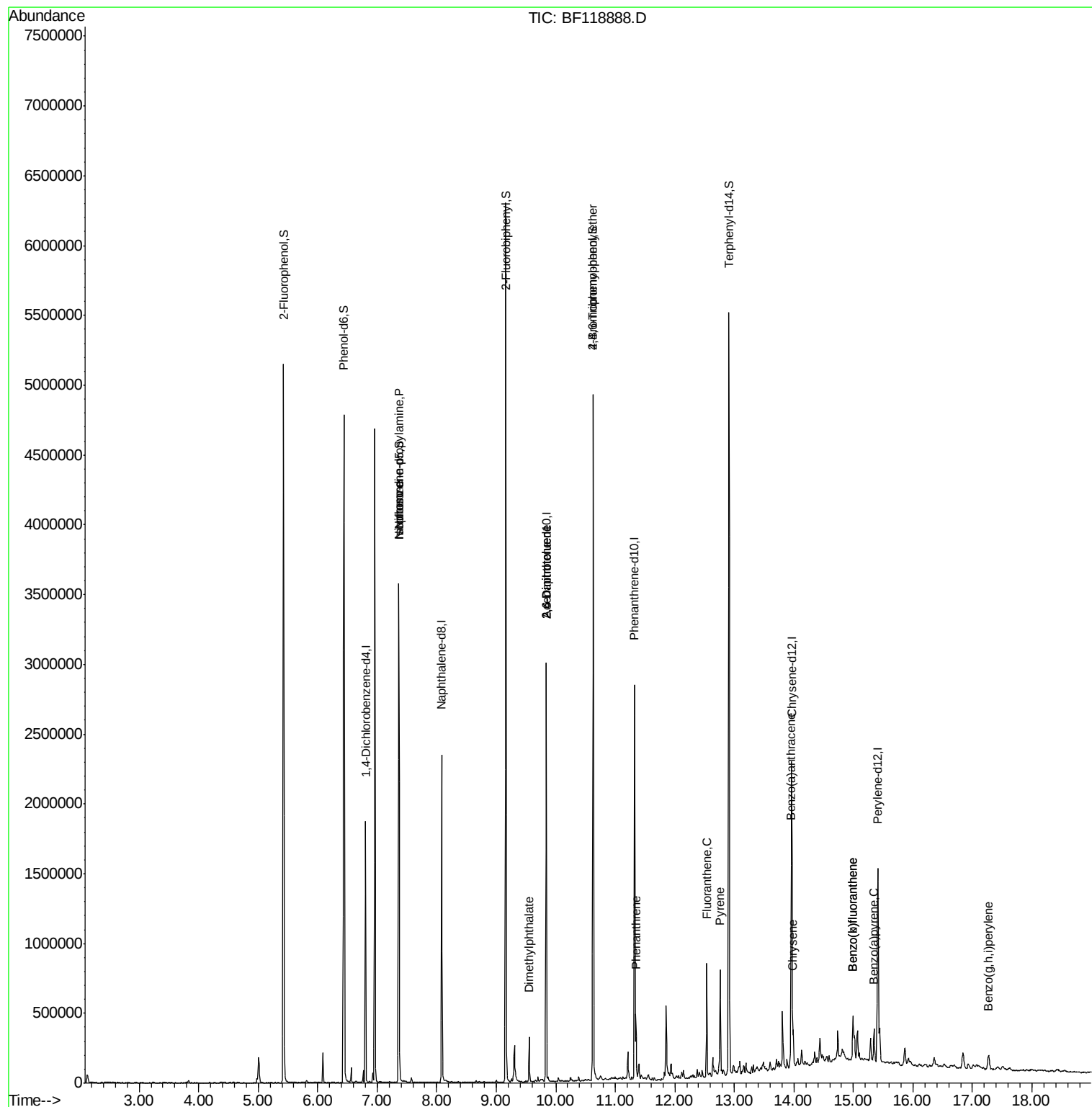
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.45	77	3602	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.36	70	159769	14.675	ng	# 76
25) Isophorone	7.36	82	1172842	37.193	ng	# 63
50) Dimethylphthalate	9.55	163	134373	3.363	ng	97
51) 2,6-Dinitrotoluene	9.84	165	76280	8.343	ng	# 30
57) 2,4-Dinitrotoluene	9.84	165	76280	6.305	ng	# 34
67) 4-Bromophenyl-phenylether	10.63	248	42430	3.229	ng	# 1
71) Phenanthrene	11.35	178	152605	2.792	ng	97
75) Fluoranthene	12.53	202	320220	5.366	ng	98
78) Pyrene	12.76	202	310841	6.408	ng	97
81) Benzo(a)anthracene	13.95	228	141411	3.361	ng	100
83) Chrysene	13.99	228	139433	3.302	ng	97
88) Benzo(b)fluoranthene	14.99	252	240802	5.547	ng	99
89) Benzo(k)fluoranthene	14.99	252	240802	6.370	ng	99
90) Benzo(a)pyrene	15.34	252	122147	3.288	ng	99
92) Benzo(g,h,i)perylene	17.27	276	80322	2.533	ng	99

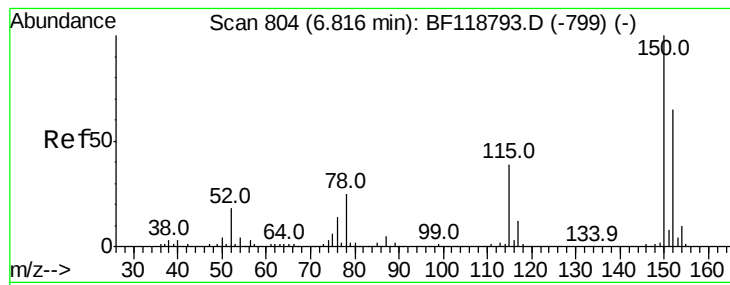
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 03 16:26:03 2020
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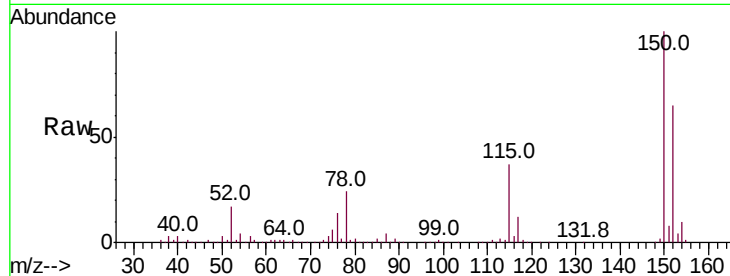


#1

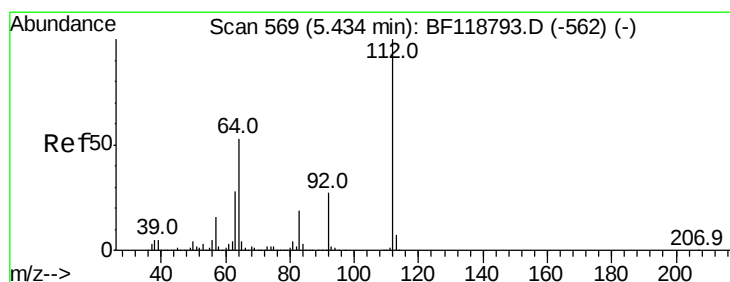
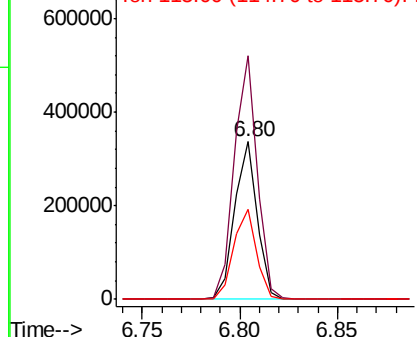
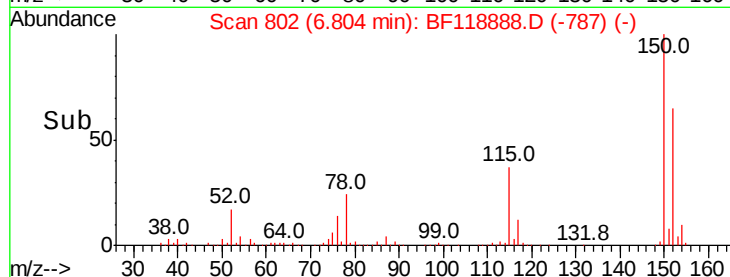
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF118888.D
Acq: 11 Feb 2020 17:11

Instrument :
BNA_F
ClientSampleId :
72-11989

Tot Ion:152 Resp: 271331
Ion Ratio Lower Upper
152 100
150 154.5 123.6 185.4
115 56.8 48.2 72.2



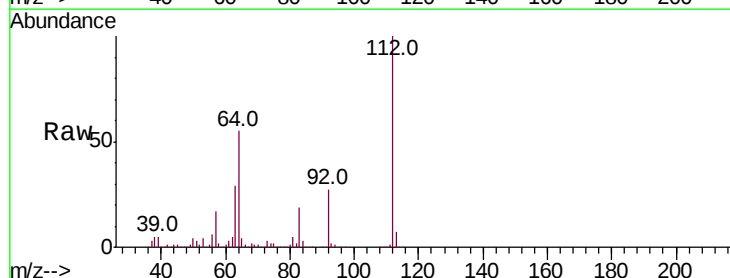
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



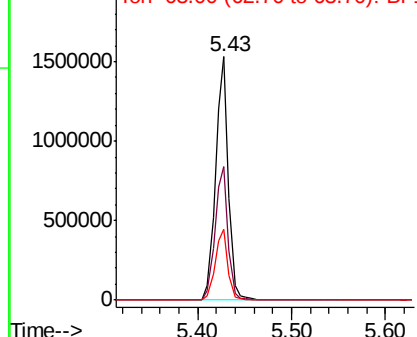
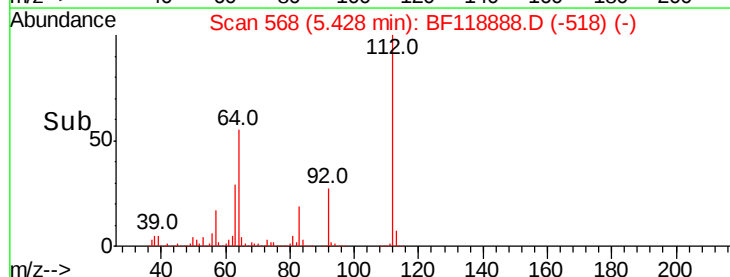
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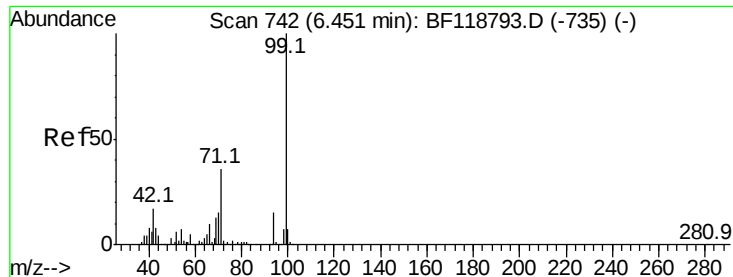
2-Fluorophenol
Concen: 102.414 ng
RT: 5.43 min Scan# 568
Delta R.T. -0.01 min
Lab File: BF118888.D
Acq: 11 Feb 2020 17:11

Tgt Ion:112 Resp: 1468000
Ion Ratio Lower Upper
112 100
64 54.7 42.6 63.8
63 29.2 22.2 33.4



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: 101.978 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF118888.D

Acq: 11 Feb 2020 17:11

Instrument :

BNA_F

ClientSampleId :

72-11989

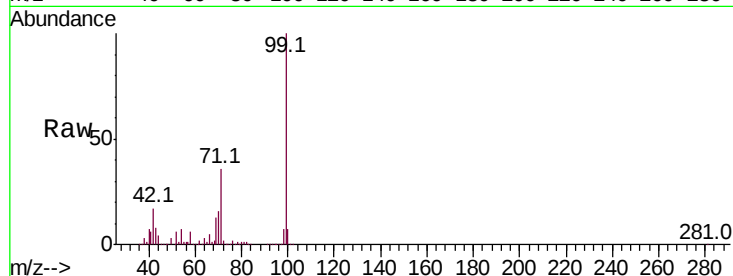
Tot Ion: 99 Resp: 1814551

Ion Ratio Lower Upper

99 100

42 17.2 13.4 20.0

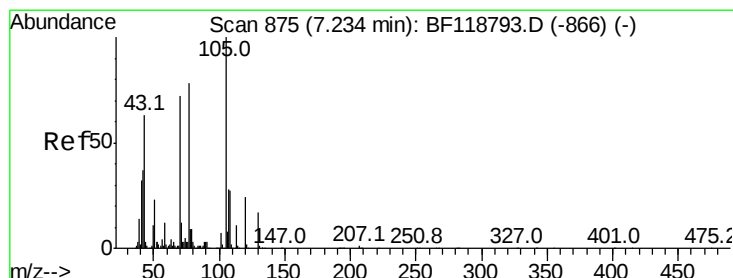
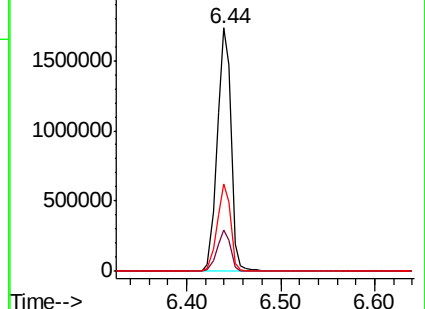
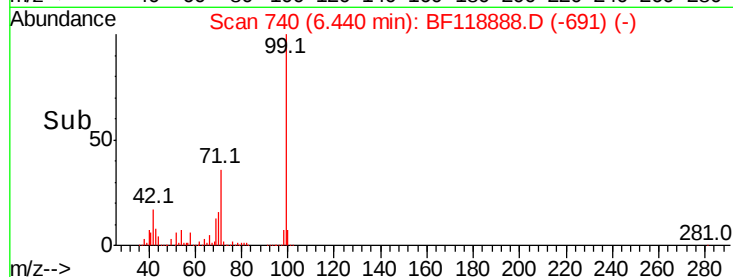
71 35.8 29.0 43.6



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: 14.675 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.13 min

Lab File: BF118888.D

Acq: 11 Feb 2020 17:11

Tgt Ion: 70 Resp: 159769

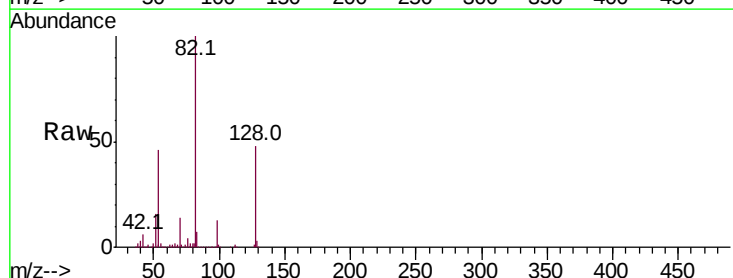
Ion Ratio Lower Upper

70 100

42 41.7 41.5 62.3

101 0.0 8.3 12.5#

130 2.1 19.2 28.8#

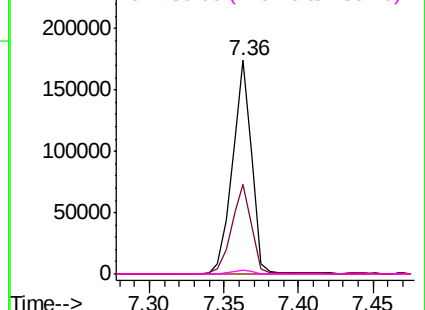
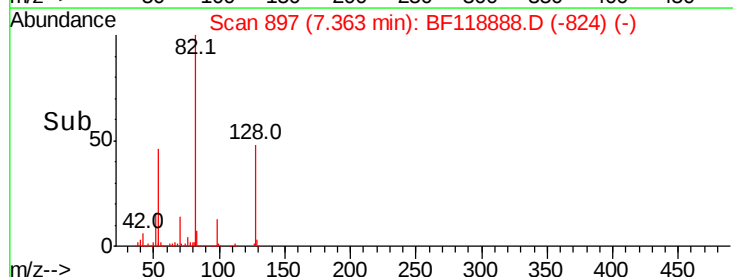


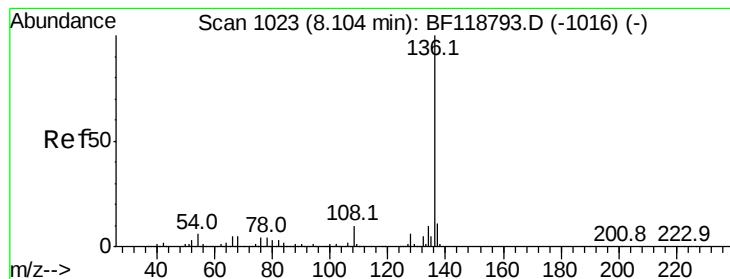
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.02 min

Lab File: BF118888.D

Acq: 11 Feb 2020 17:11

Instrument :

BNA_F

ClientSampleId :

72-11989

Tot Ion:136 Resp: 1045835

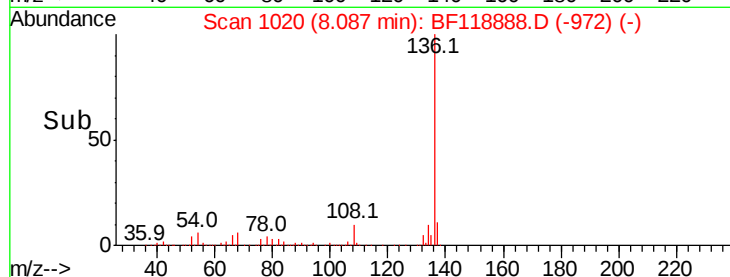
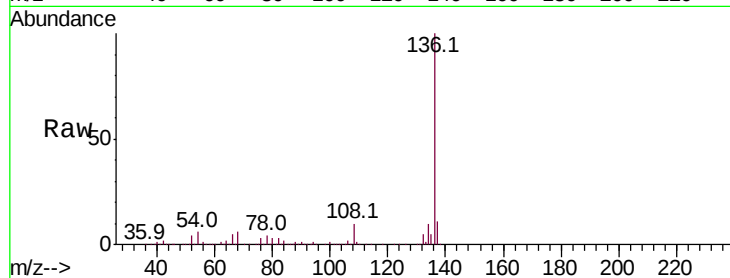
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 6.5 5.0 7.6

68 5.9 4.2 6.4

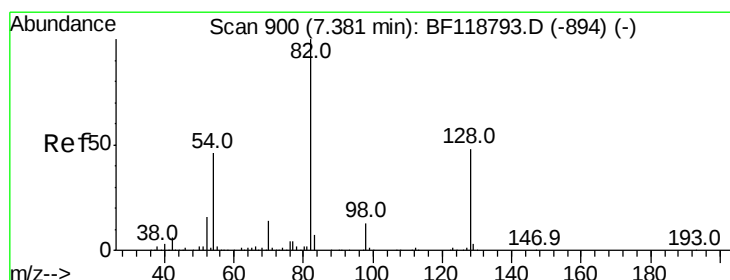
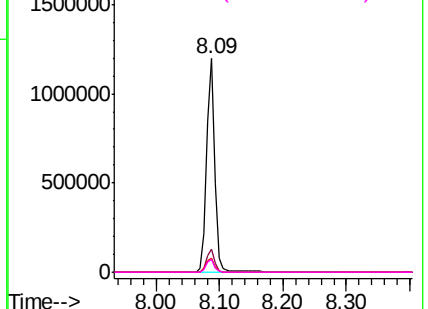


Abundance Ion 136.00 (135.70 to 136.70): E

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: 66.844 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.02 min

Lab File: BF118888.D

Acq: 11 Feb 2020 17:11

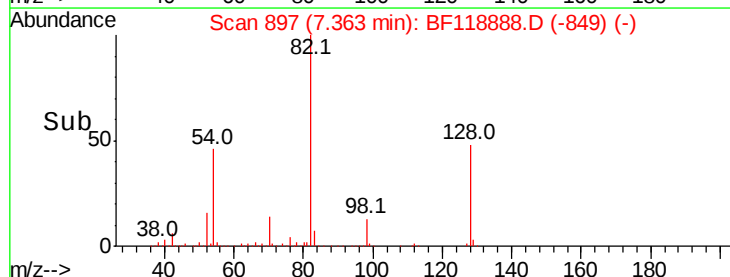
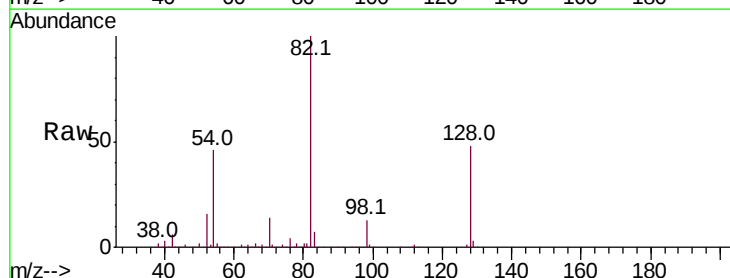
Tgt Ion: 82 Resp: 1172853

Ion Ratio Lower Upper

82 100

128 47.9 38.5 57.7

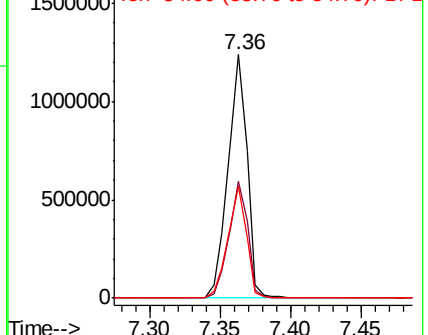
54 45.8 36.7 55.1

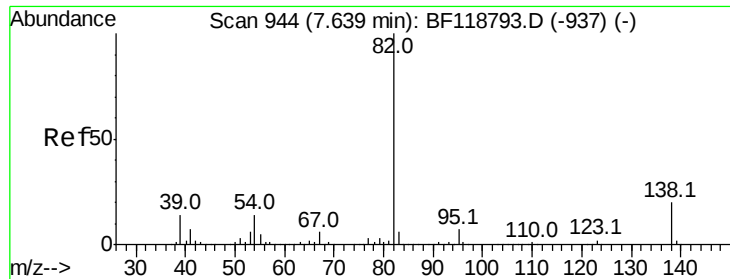


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

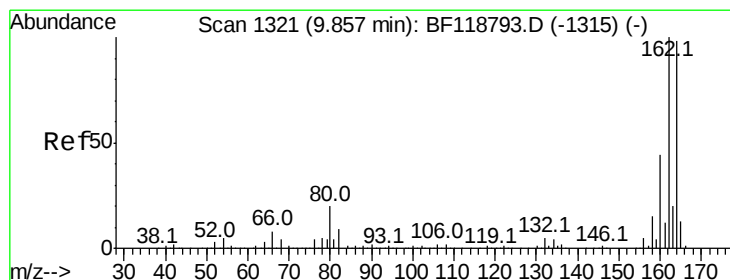
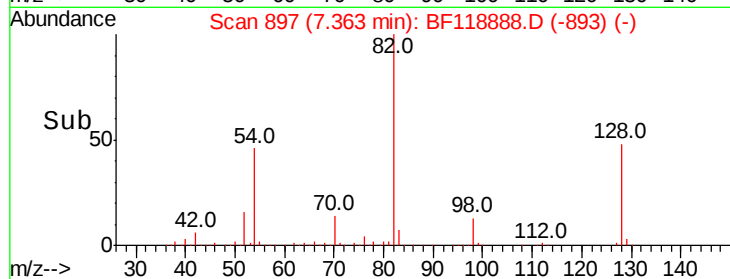
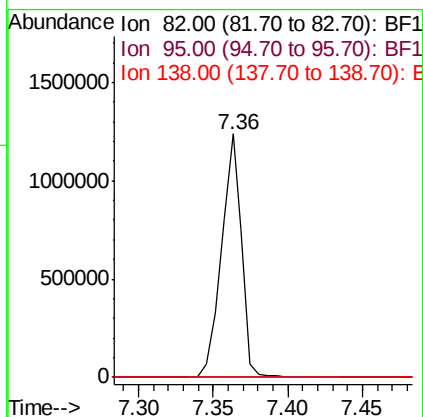
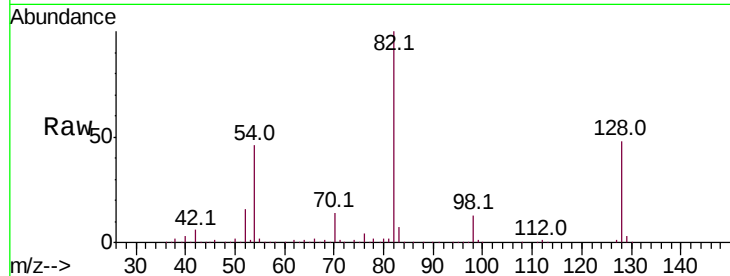




#25
Isophorone
Concen: 37.193 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.28 min
Lab File: BF118888.D
Acq: 11 Feb 2020 17:11

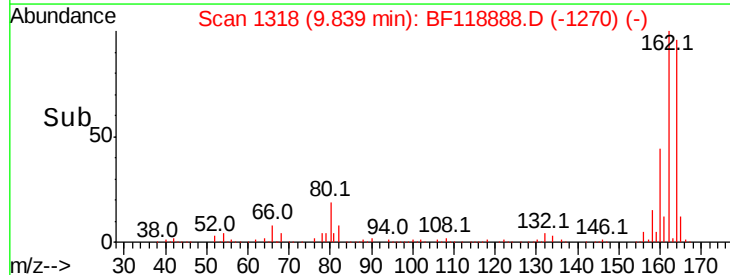
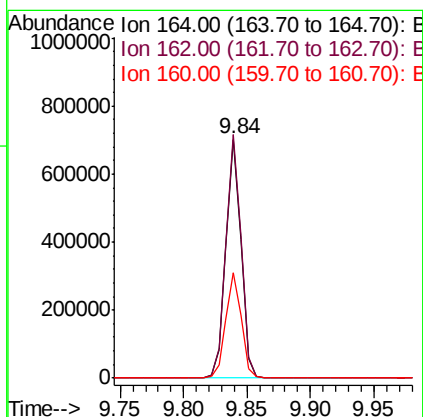
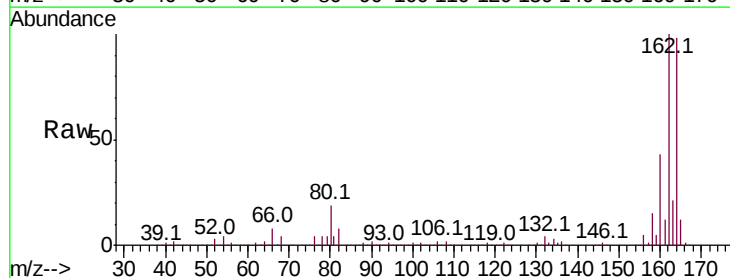
Instrument :
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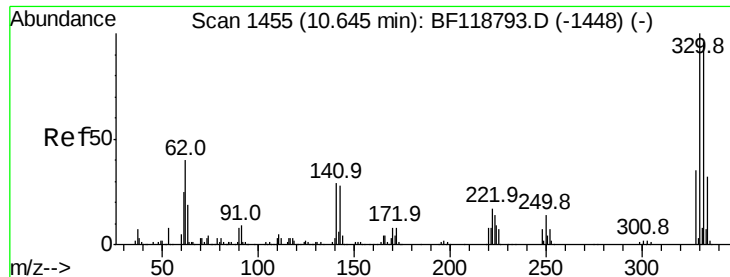
Tot Ion: 82 Resp: 1172842
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.7 23.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.02 min
Lab File: BF118888.D
Acq: 11 Feb 2020 17:11

Tgt Ion: 164 Resp: 586828
Ion Ratio Lower Upper
164 100
162 101.9 81.4 122.2
160 44.3 35.6 53.4

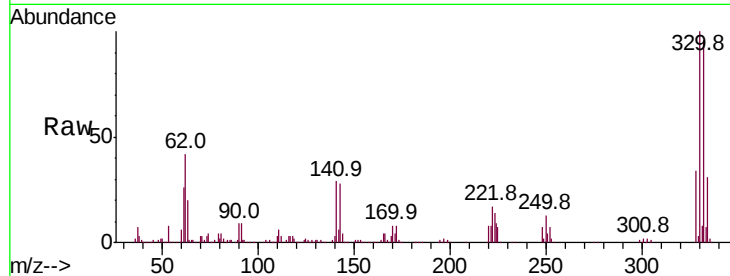




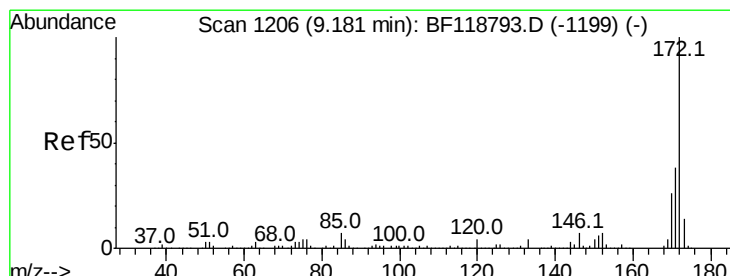
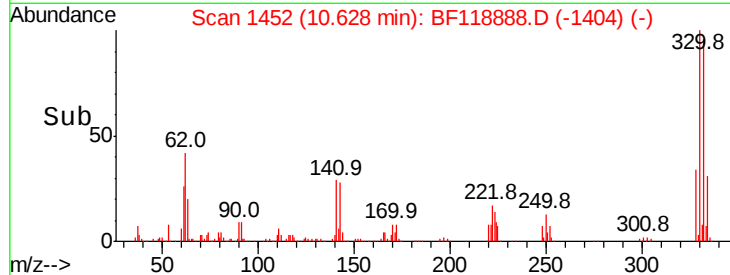
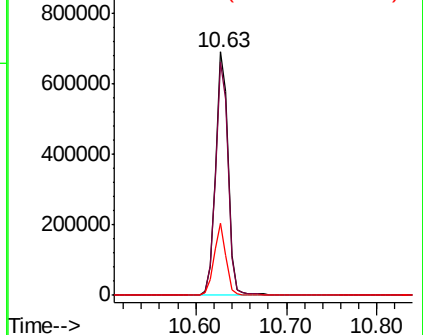
#42
 2,4,6-Tribromophenol
 Concen: 94.384 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.02 min
 Lab File: BF118888.D
 Acq: 11 Feb 2020 17:11

Instrument :
 BNA_F
 ClientSampleId :
 72-11989

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.3	115.9
141	28.2	22.4	33.6

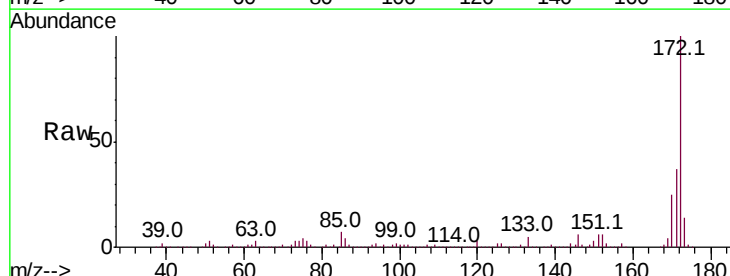


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

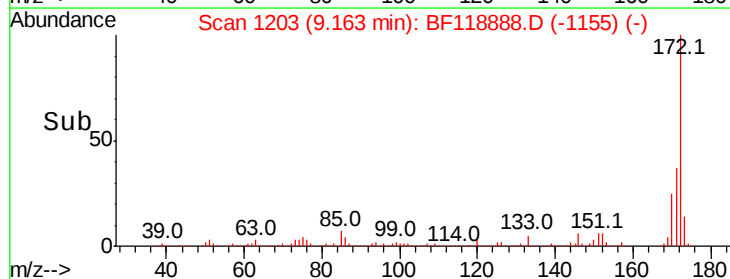
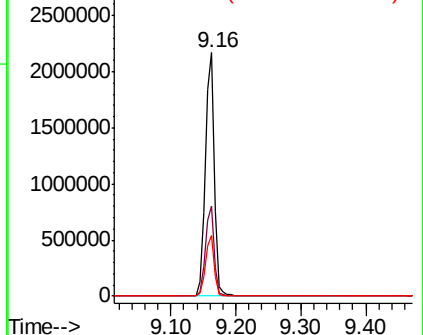


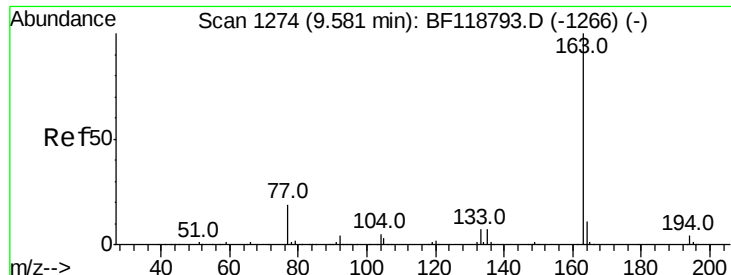
#45
 2-Fluorobiphenyl
 Concen: 62.755 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.02 min
 Lab File: BF118888.D
 Acq: 11 Feb 2020 17:11

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	30.8	46.2
170	24.6	20.5	30.7



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

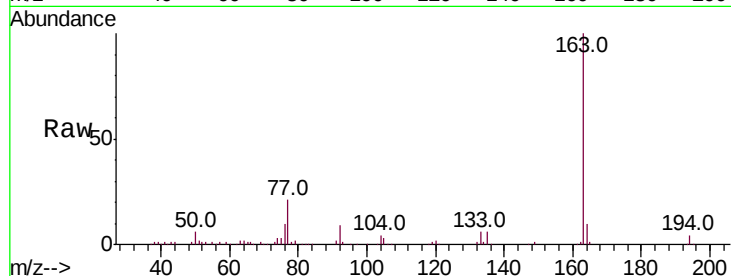




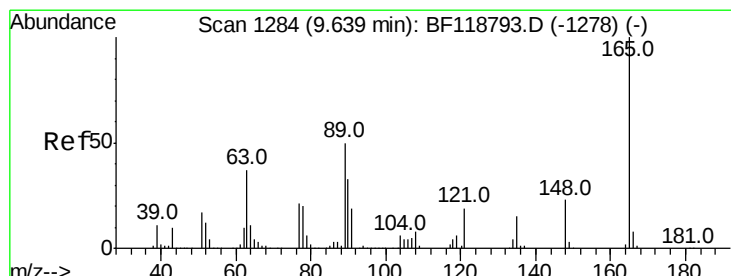
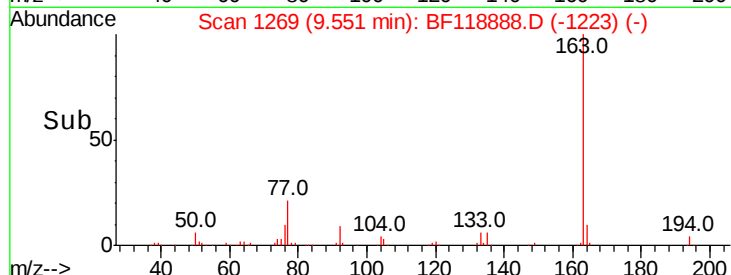
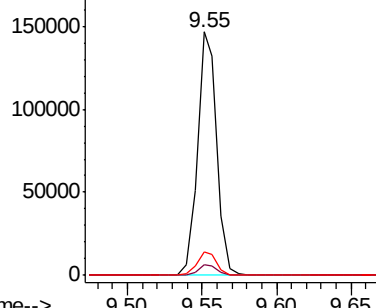
#50
Dimethylphthalate
Concen: 3.363 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.03 min
Lab File: BF118888.D
Acq: 11 Feb 2020 17:11

Instrument :
BNA_F
ClientSampleId :
72-11989

Tot Ion:163 Resp: 134373
Ion Ratio Lower Upper
163 100
194 4.2 3.6 5.4
164 9.7 8.7 13.1

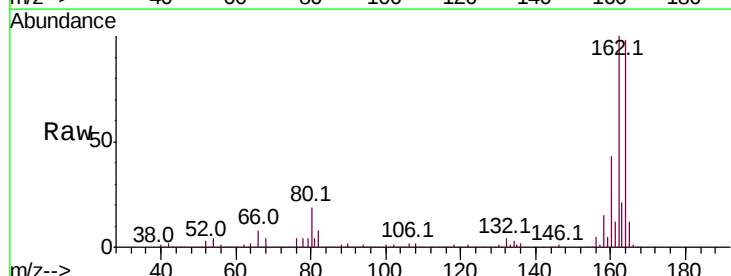


Abundance Ion 163.00 (162.70 to 163.70): E
200000 Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

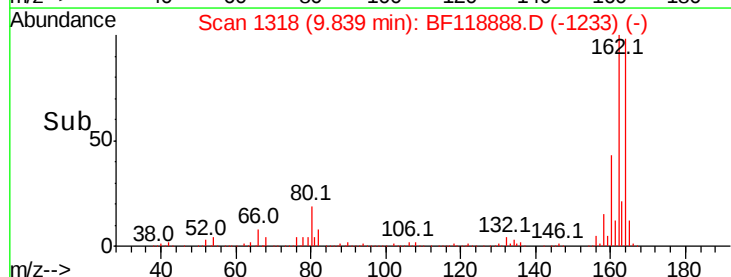
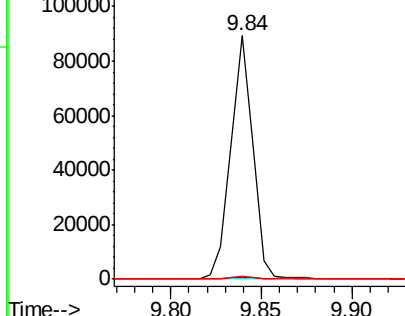


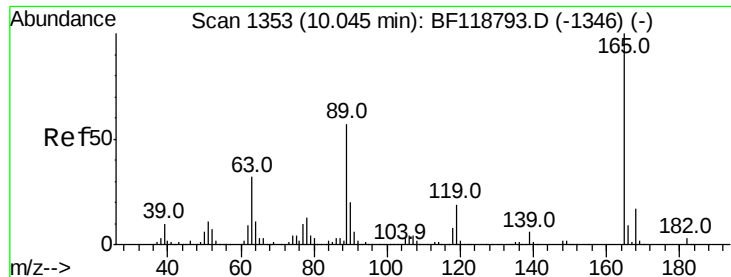
#51
2,6-Dinitrotoluene
Concen: 8.343 ng
RT: 9.84 min Scan# 1318
Delta R.T. 0.20 min
Lab File: BF118888.D
Acq: 11 Feb 2020 17:11

Tgt Ion:165 Resp: 76280
Ion Ratio Lower Upper
165 100
63 0.9 37.4 56.0#
89 1.3 39.7 59.5#



Abundance Ion 165.00 (164.70 to 165.70): E
120000 Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

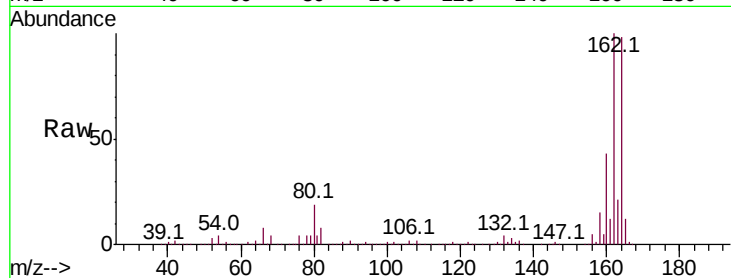




#57
 2,4-Dinitrotoluene
 Concen: 6.305 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.21 min
 Lab File: BF118888.D
 Acq: 11 Feb 2020 17:11

Instrument :
 BNA_F
 ClientSampleId :
 72-11989

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.9	25.5	38.3#
89	1.3	45.4	68.0#
182	0.0	2.4	3.6#

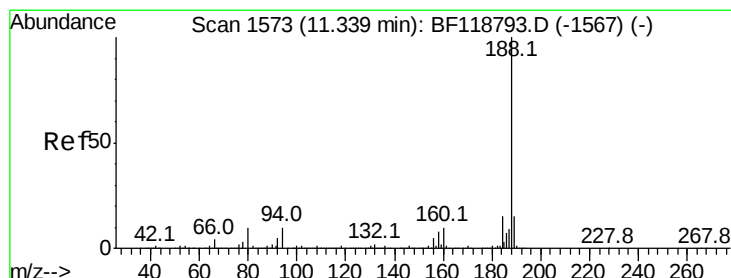
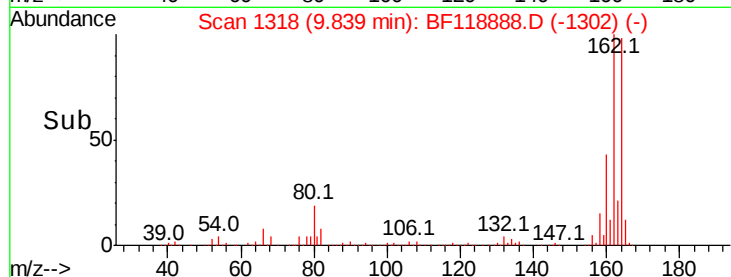
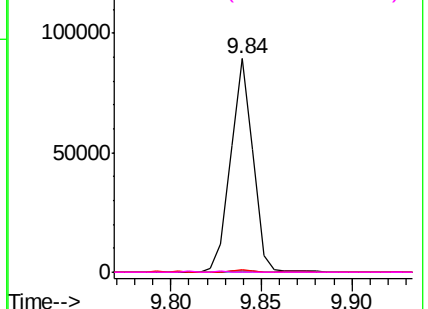


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

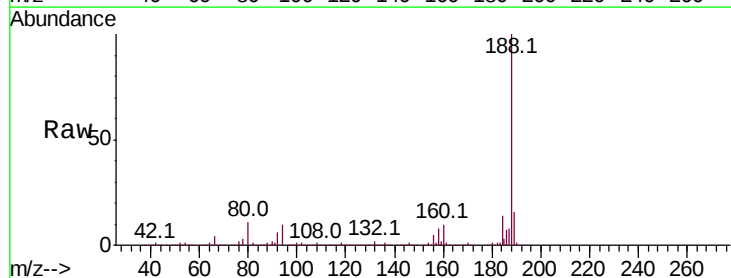
Ion 89.00 (88.70 to 89.70): BF1

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. -0.02 min
 Lab File: BF118888.D
 Acq: 11 Feb 2020 17:11

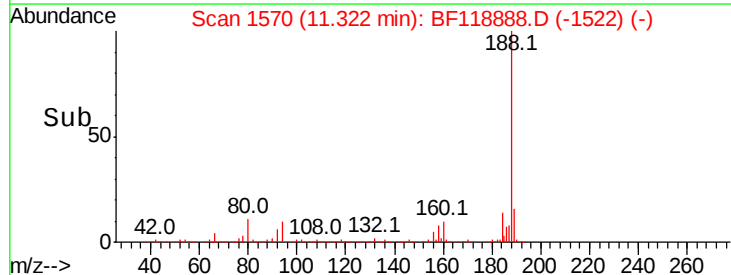
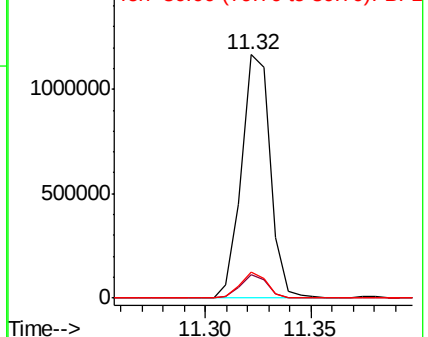
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.8	7.9	11.9
80	10.7	8.4	12.6

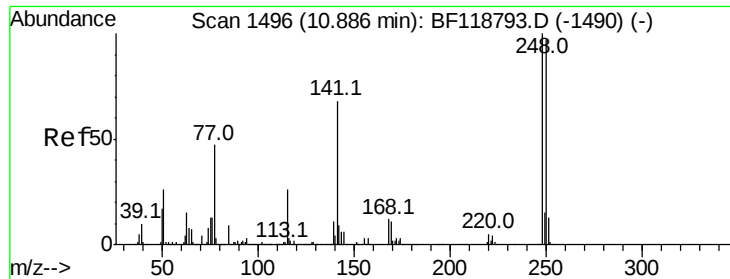


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

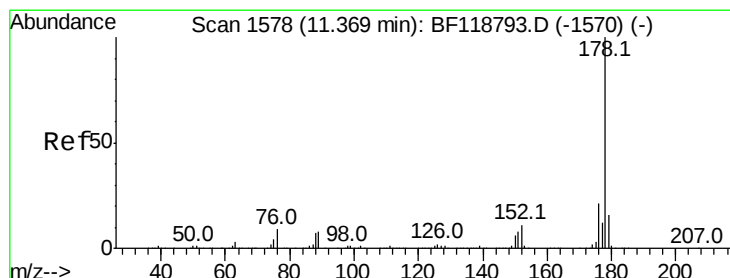
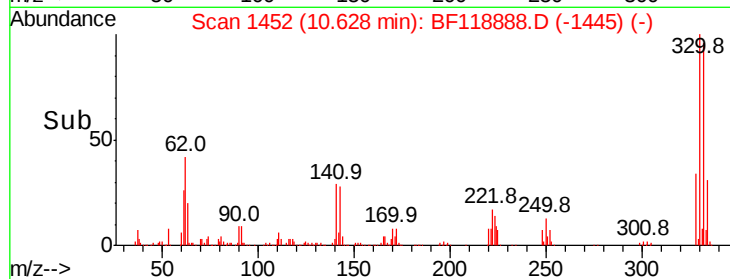
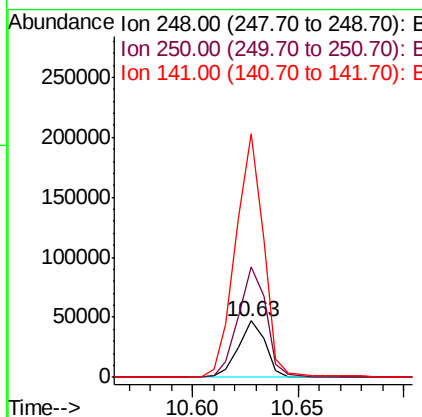
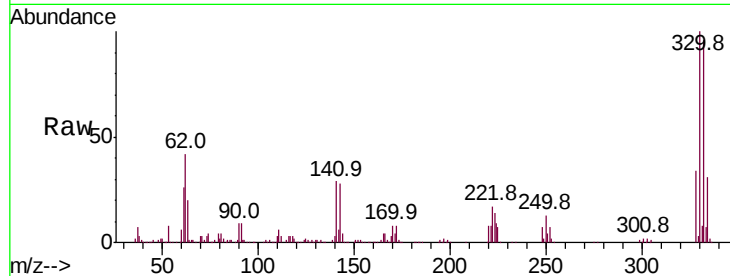




#67
 4-Bromophenyl-phenylether
 Concen: 3.229 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.26 min
 Lab File: BF118888.D
 Acq: 11 Feb 2020 17:11

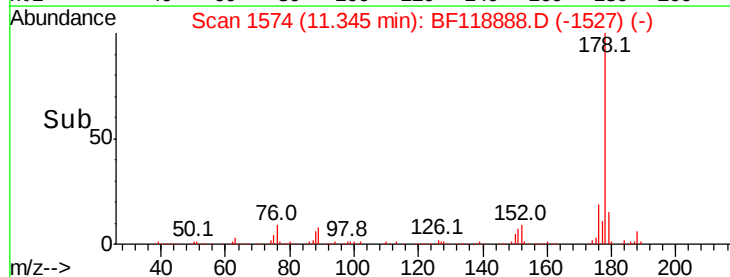
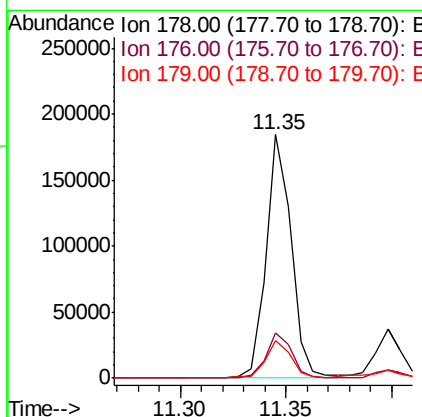
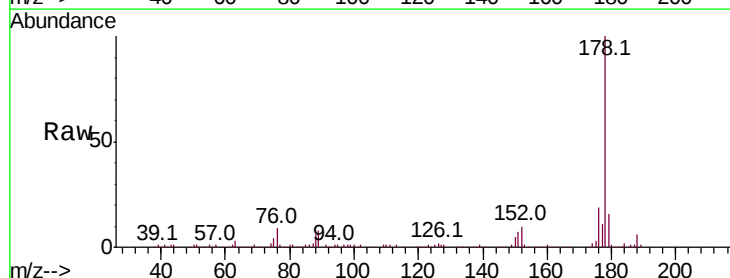
Instrument :
 BNA_F
 ClientSampled :
 72-11989

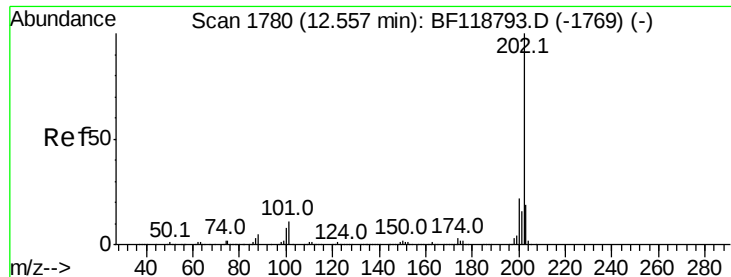
Tot Ion:248 Resp: 42430
 Ion Ratio Lower Upper
 248 100
 250 197.0 77.6 116.4#
 141 432.2 54.4 81.6#



#71
 Phenanthrene
 Concen: 2.792 ng
 RT: 11.35 min Scan# 1574
 Delta R.T. -0.02 min
 Lab File: BF118888.D
 Acq: 11 Feb 2020 17:11

Tgt Ion:178 Resp: 152605
 Ion Ratio Lower Upper
 178 100
 176 18.7 16.6 24.8
 179 15.6 13.2 19.8





#75

Fluoranthene

Concen: 5.366 ng

RT: 12.53 min Scan# 1776

Delta R.T. -0.02 min

Lab File: BF118888.D

Acq: 11 Feb 2020 17:11

Instrument :

BNA_F

ClientSampleId :

72-11989

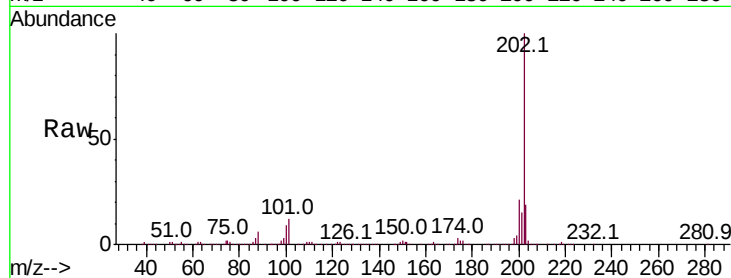
Tot Ion:202 Resp: 320220

Ion Ratio Lower Upper

202 100

101 12.5 0.0 31.0

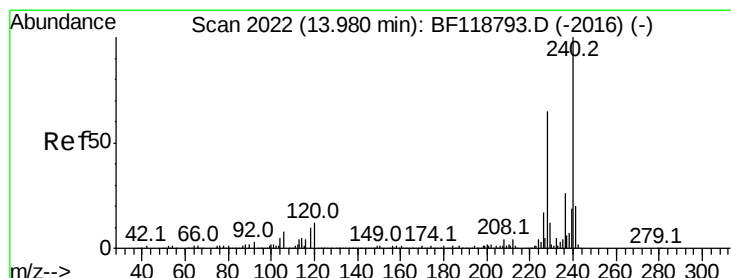
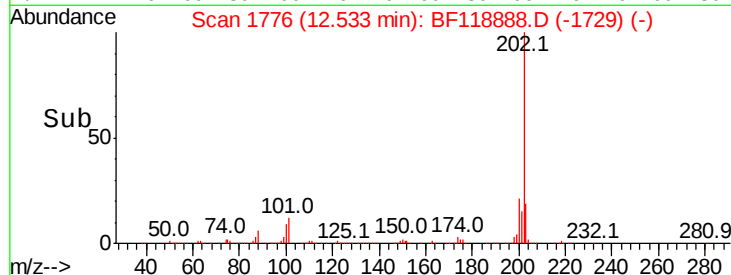
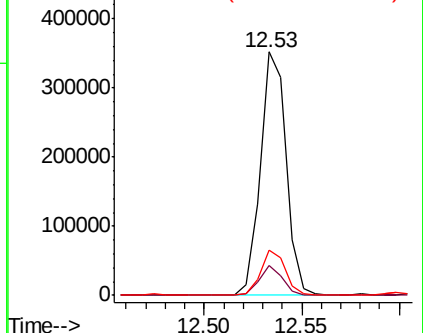
203 18.6 0.0 38.7



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. -0.02 min

Lab File: BF118888.D

Acq: 11 Feb 2020 17:11

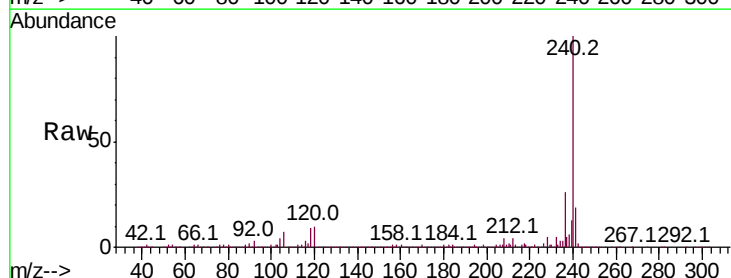
Tgt Ion:240 Resp: 707062

Ion Ratio Lower Upper

240 100

120 10.3 9.4 14.0

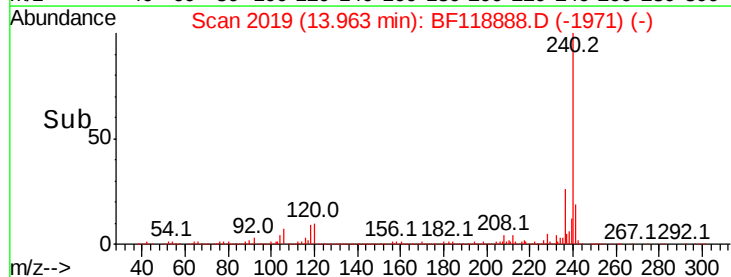
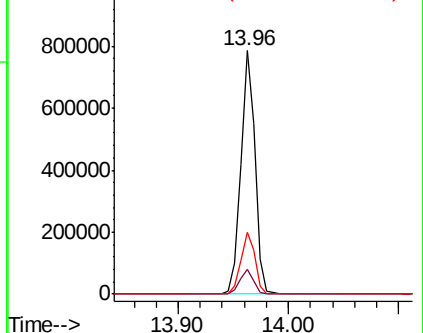
236 25.5 21.0 31.6

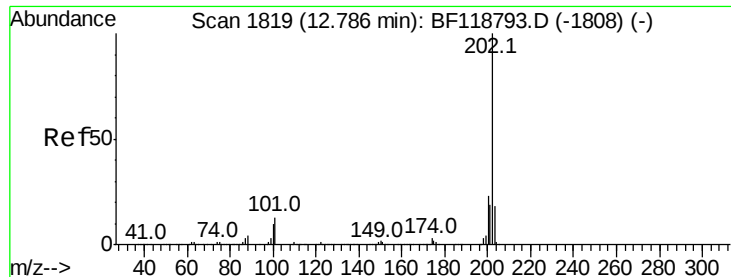


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 6.408 ng

RT: 12.76 min Scan# 1815

Delta R.T. -0.02 min

Lab File: BF118888.D

Acq: 11 Feb 2020 17:11

Instrument :

BNA_F

ClientSampleId :

72-11989

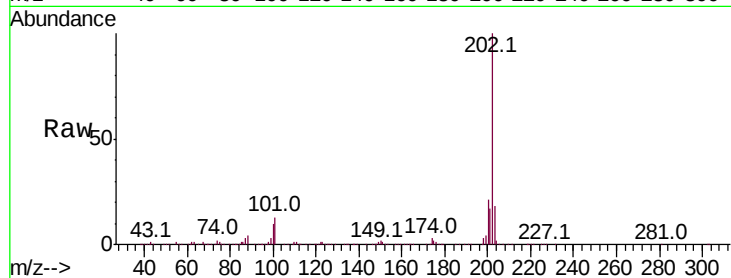
Tot Ion:202 Resp: 310841

Ion Ratio Lower Upper

202 100

200 21.0 18.2 27.2

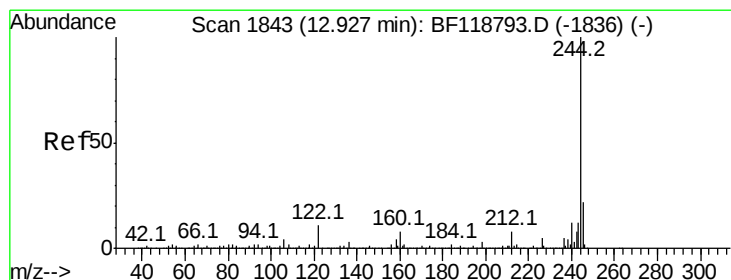
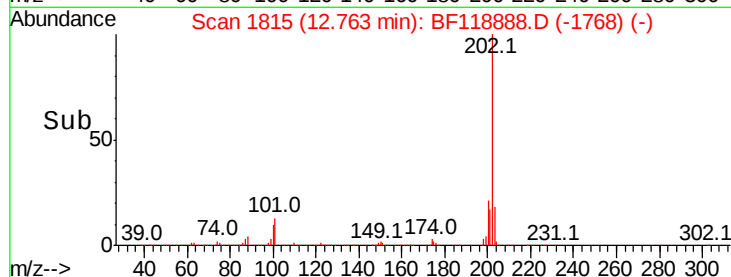
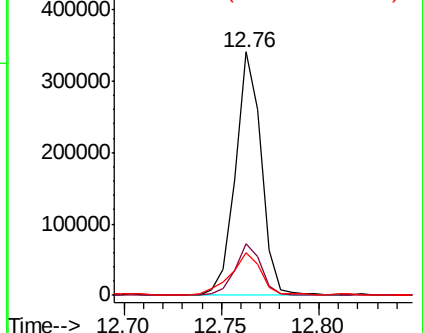
203 17.7 14.8 22.2



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: 58.328 ng

RT: 12.91 min Scan# 1840

Delta R.T. -0.02 min

Lab File: BF118888.D

Acq: 11 Feb 2020 17:11

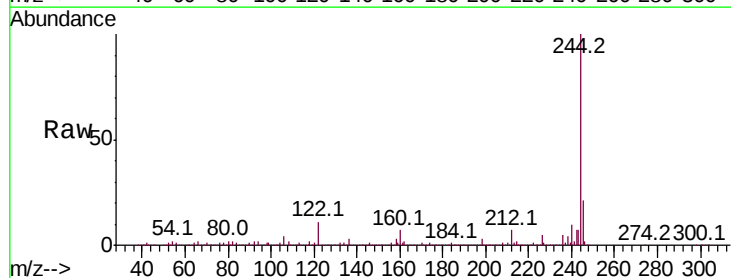
Tgt Ion:244 Resp: 2007809

Ion Ratio Lower Upper

244 100

212 7.2 6.5 9.7

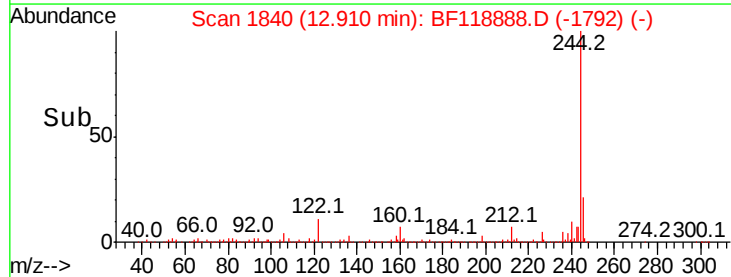
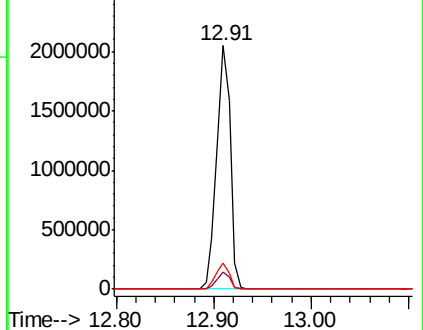
122 10.8 8.9 13.3

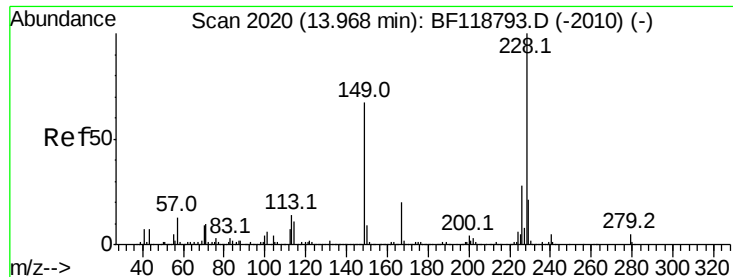


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

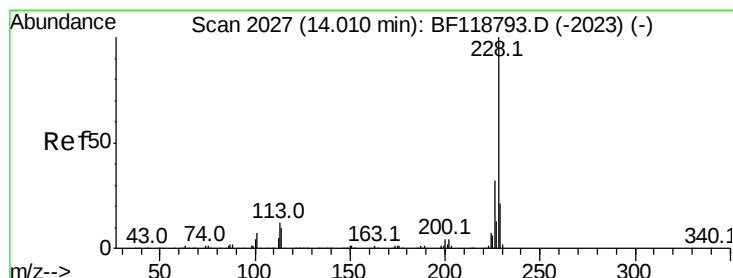
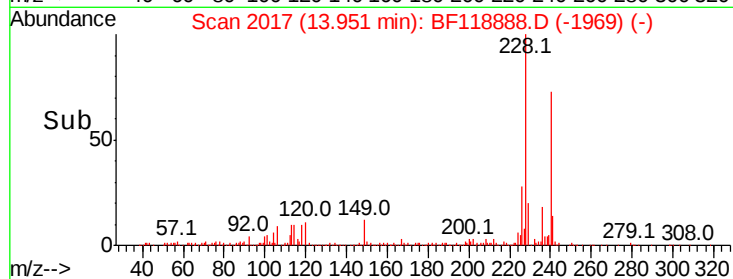
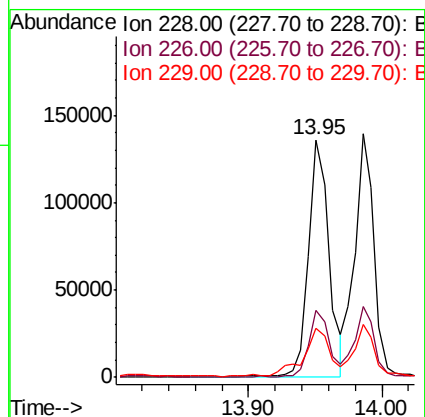
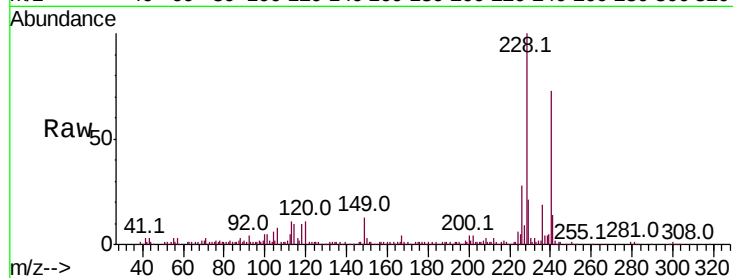




#81
Benzo(a)anthracene
Concen: 3.361 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.02 min
Lab File: BF118888.D
Acq: 11 Feb 2020 17:11

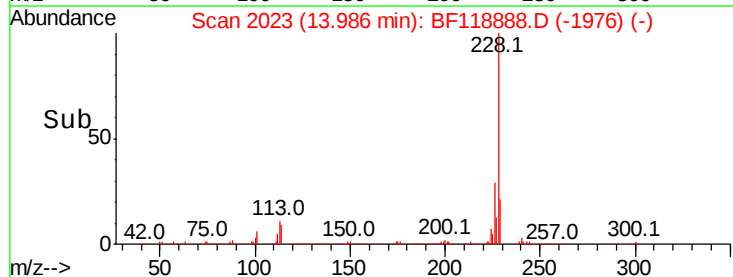
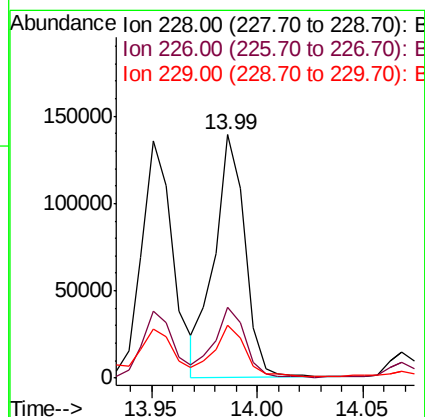
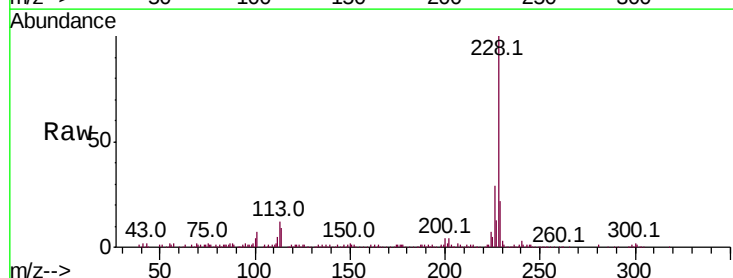
Instrument :
BNA_F
ClientSampleId :
72-11989

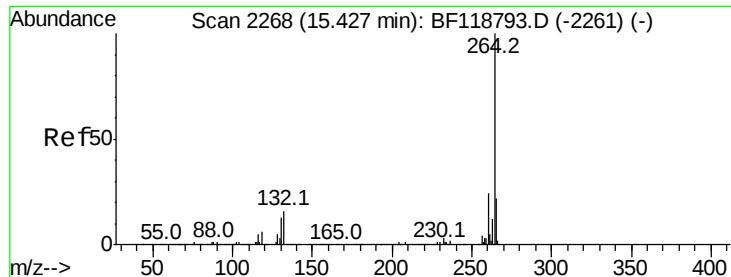
Tot Ion:228 Resp: 141411
Ion Ratio Lower Upper
228 100
226 28.3 22.7 34.1
229 20.5 16.6 25.0



#83
Chrysene
Concen: 3.302 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.02 min
Lab File: BF118888.D
Acq: 11 Feb 2020 17:11

Tgt Ion:228 Resp: 139433
Ion Ratio Lower Upper
228 100
226 29.3 25.4 38.0
229 21.6 16.9 25.3

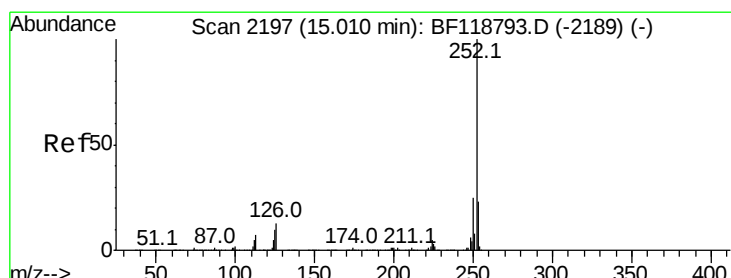
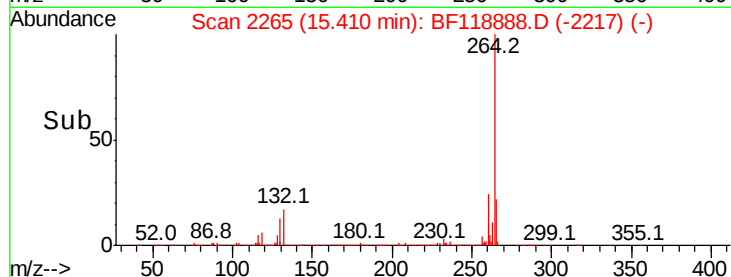
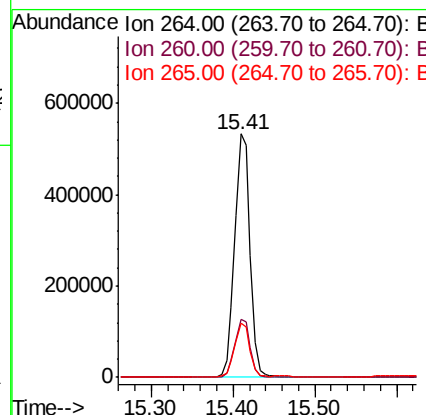
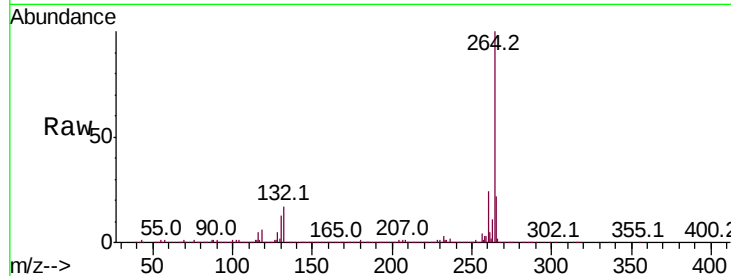




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.02 min
Lab File: BF118888.D
Acq: 11 Feb 2020 17:11

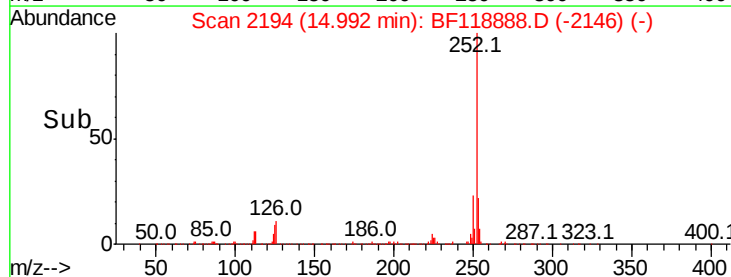
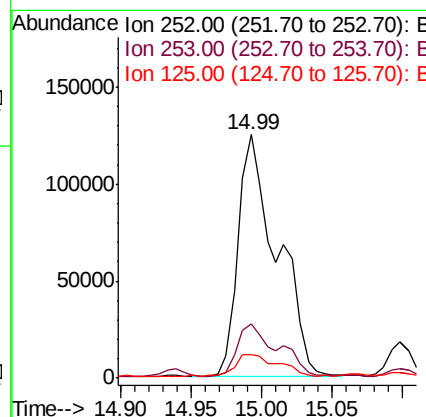
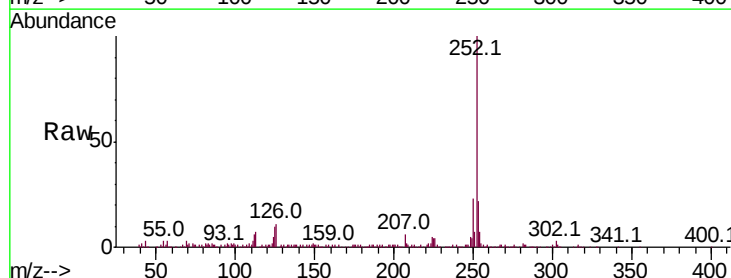
Instrument :
BNA_F
ClientSampleId :
72-11989

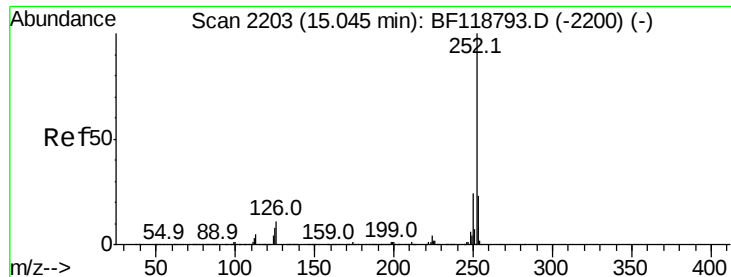
Tot Ion:264 Resp: 699555
Ion Ratio Lower Upper
264 100
260 23.9 19.1 28.7
265 22.3 17.2 25.8



#88
Benzo(b)fluoranthene
Concen: 5.547 ng
RT: 14.99 min Scan# 2194
Delta R.T. -0.02 min
Lab File: BF118888.D
Acq: 11 Feb 2020 17:11

Tgt Ion:252 Resp: 240802
Ion Ratio Lower Upper
252 100
253 22.3 18.4 27.6
125 9.6 8.1 12.1

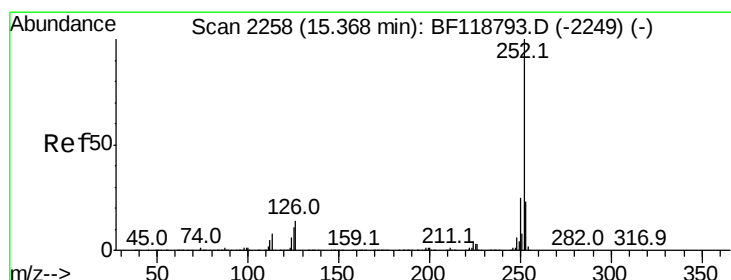
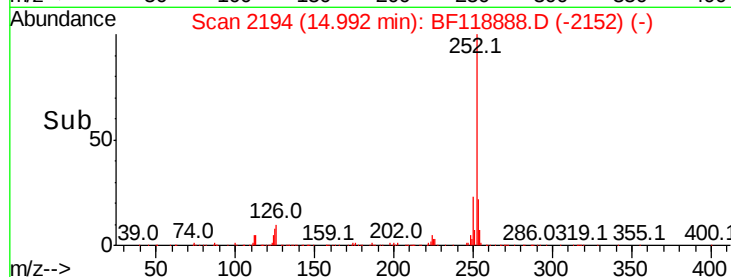
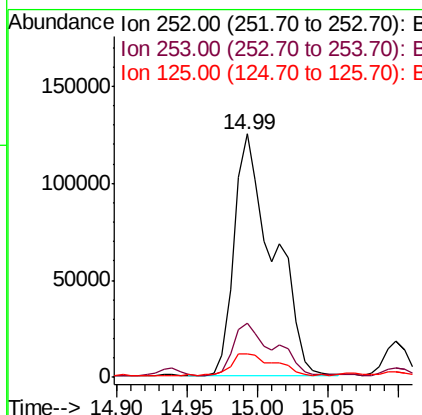
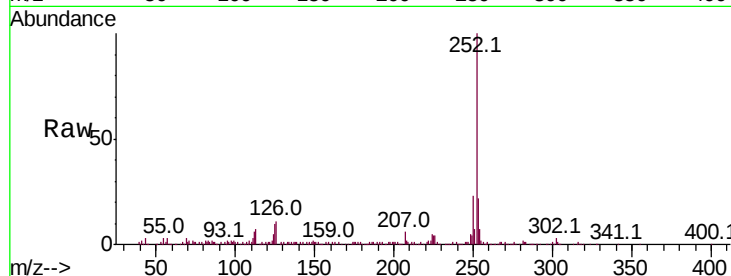




#89
Benzo(k)fluoranthene
Concen: 6.370 ng
RT: 14.99 min Scan# 2194
Delta R.T. -0.05 min
Lab File: BF118888.D
Acq: 11 Feb 2020 17:11

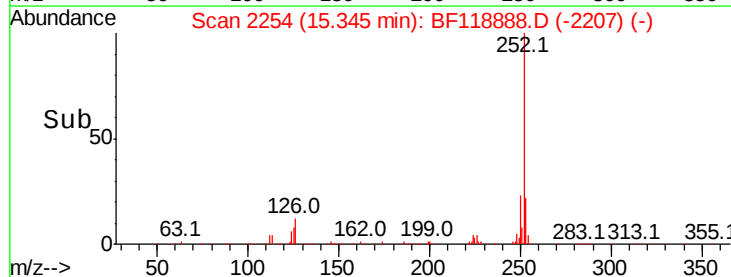
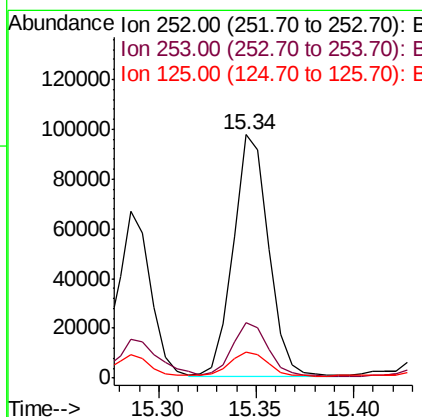
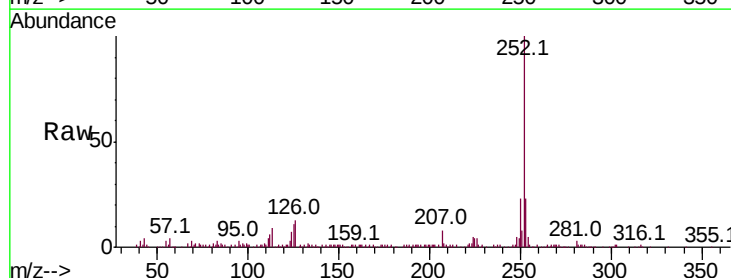
Instrument :
BNA_F
ClientSampleId :
72-11989

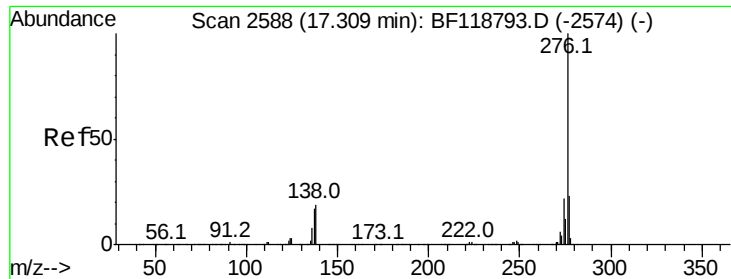
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.2	27.4
125	9.6	7.0	10.6



#90
Benzo(a)pyrene
Concen: 3.288 ng
RT: 15.34 min Scan# 2254
Delta R.T. -0.02 min
Lab File: BF118888.D
Acq: 11 Feb 2020 17:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.1	27.1
125	10.6	8.7	13.1





#92
 Benzo(a,h,i)perylene
 Concen: 2.533 ng
 RT: 17.27 min Scan# 2581
 Delta R.T. -0.04 min
 Lab File: BF118888.D
 Acq: 11 Feb 2020 17:11

Instrument :
 BNA_F
 ClientSampleId :
 72-11989

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.7	28.1
138	20.2	15.4	23.2

