

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021120\
 Data File : BF118896.D
 Acq On : 11 Feb 2020 21:03
 Operator : CG/JU
 Sample : L1373-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-021020

Quant Time: Feb 12 06:51:52 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	265362	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	760444	20.00	ng	-0.02
39) Acenaphthene-d10	9.84	164	427283	20.00	ng	-0.02
64) Phenanthrene-d10	11.33	188	767917	20.00	ng	-0.01
76) Chrysene-d12	13.97	240	660827	20.00	ng	-0.01
87) Perylene-d12	15.42	264	674845	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	1402493	100.05	ng	0.00
7) Phenol-d6	6.45	99	1829716	105.14	ng	0.00
23) Nitrobenzene-d5	7.36	82	880202	68.99	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	503482	98.48	ng	-0.01
45) 2-Fluorobiphenyl	9.16	172	1804026	75.48	ng	-0.02
79) Terphenyl-d14	12.92	244	2344985	72.89	ng	-0.01

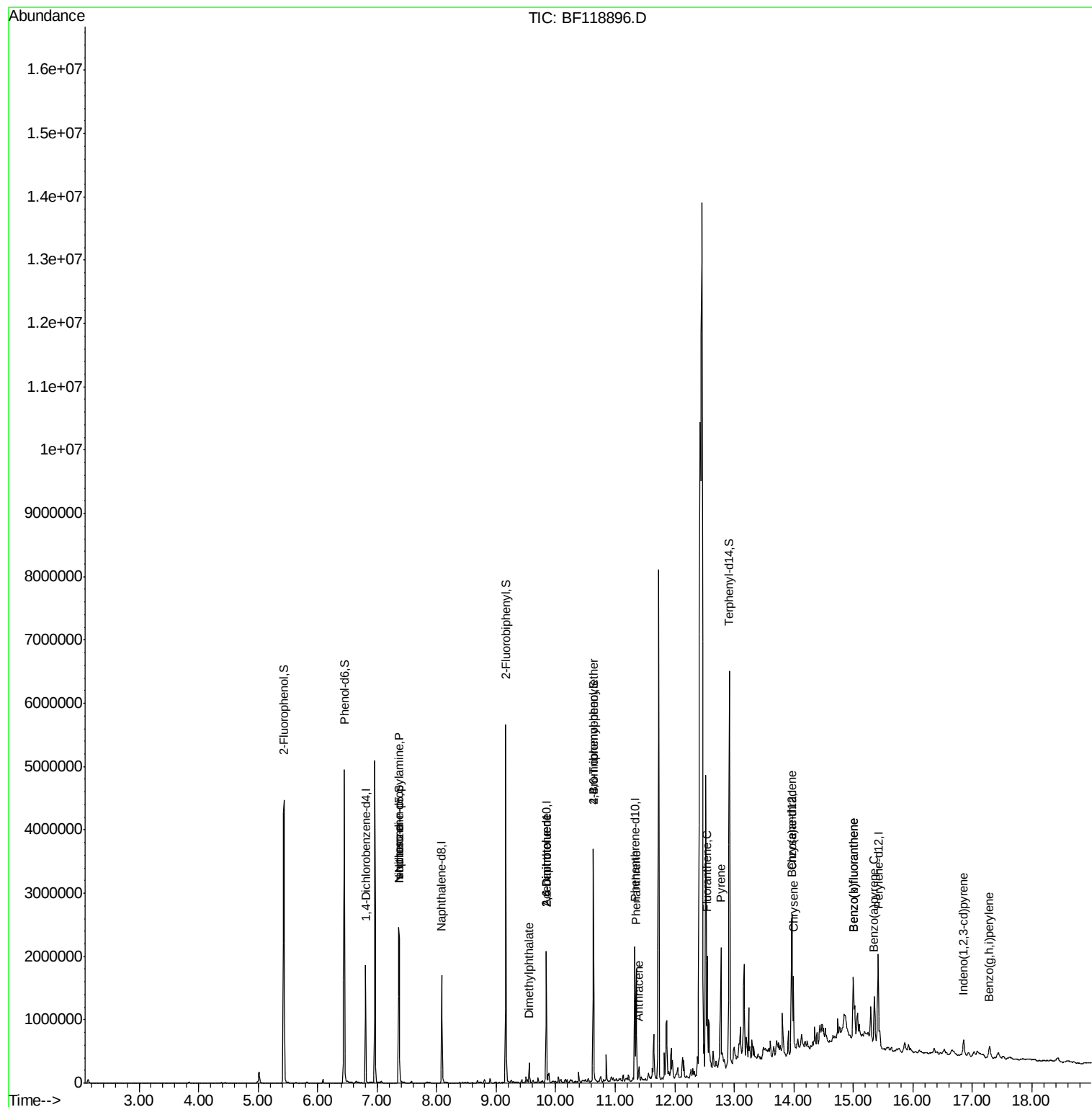
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.36	77	164	Below Cal		# 46
19) n-Nitroso-di-n-propylamine	7.36	70	120386	11.306	ng	# 77
25) Isophorone	7.36	82	880191	38.388	ng	# 63
50) Dimethylphthalate	9.56	163	134414	4.620	ng	97
51) 2,6-Dinitrotoluene	9.84	165	56350	8.465	ng	# 31
57) 2,4-Dinitrotoluene	9.84	165	56350	6.396	ng	# 34
67) 4-Bromophenyl-phenylether	10.63	248	32911	3.623	ng	# 1
71) Phenanthrene	11.35	178	596900	15.798	ng	97
72) Anthracene	11.40	178	78627	2.092	ng	98
75) Fluoranthene	12.55	202	716078	17.359	ng	98
78) Pyrene	12.77	202	870583	19.204	ng	98
81) Benzo(a)anthracene	13.96	228	360657	9.172	ng	99
83) Chrysene	13.99	228	452517	11.466	ng	97
86) Indeno(1,2,3-cd)pyrene	16.85	276	162038	4.086	ng	96
88) Benzo(b)fluoranthene	15.00	252	738278	17.630	ng	99
89) Benzo(k)fluoranthene	15.00	252	738278	20.246	ng	99
90) Benzo(a)pyrene	15.36	252	383717	10.707	ng	99
92) Benzo(g,h,i)perylene	17.29	276	146882	4.801	ng	98

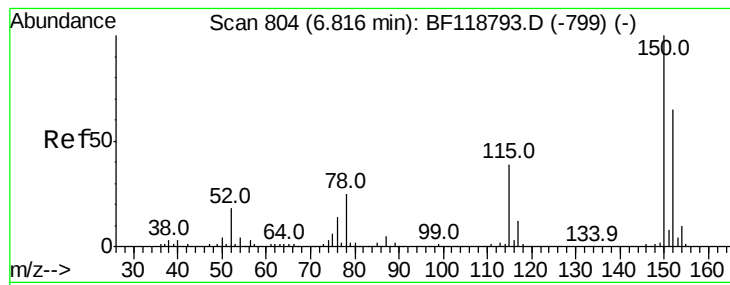
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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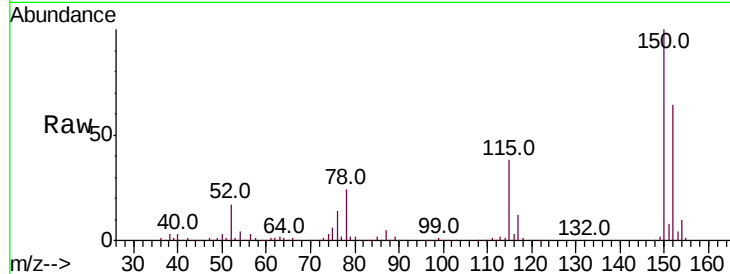


#1

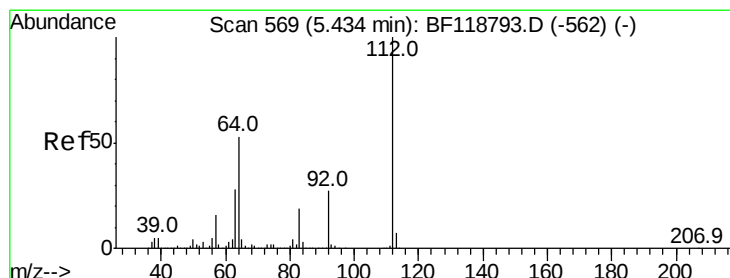
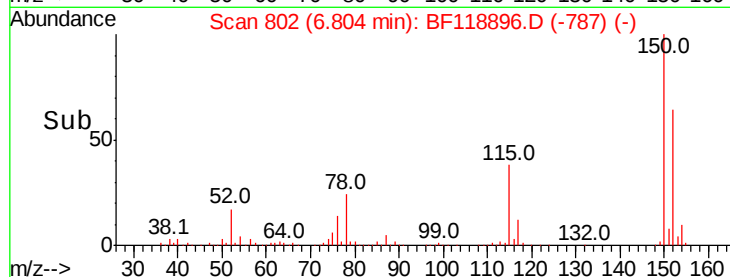
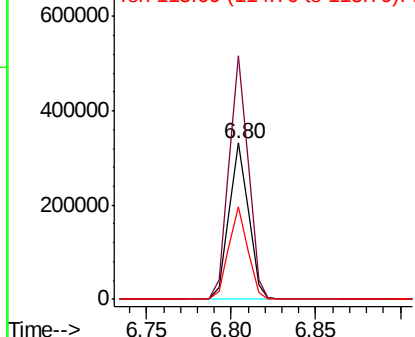
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF118896.D
Acq: 11 Feb 2020 21:03

Instrument :
BNA_F
ClientSampleId :
TR-05-021020

Tot Ion:152 Resp: 265362
Ion Ratio Lower Upper
152 100
150 155.9 123.6 185.4
115 59.2 48.2 72.2



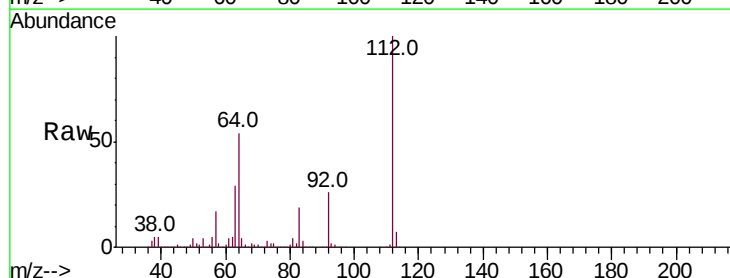
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



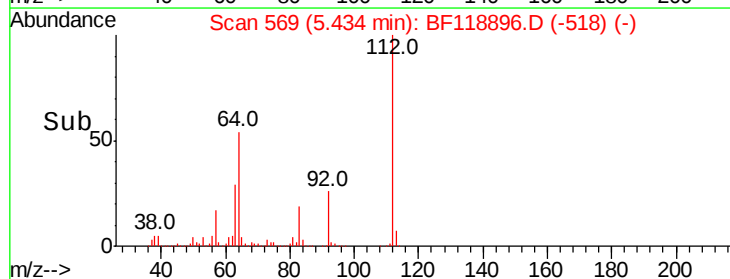
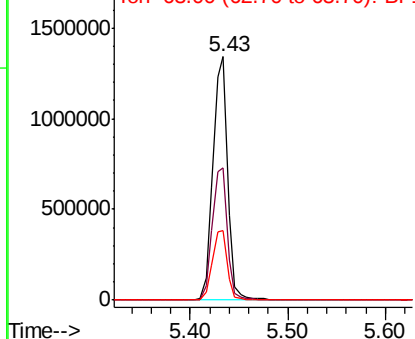
#5

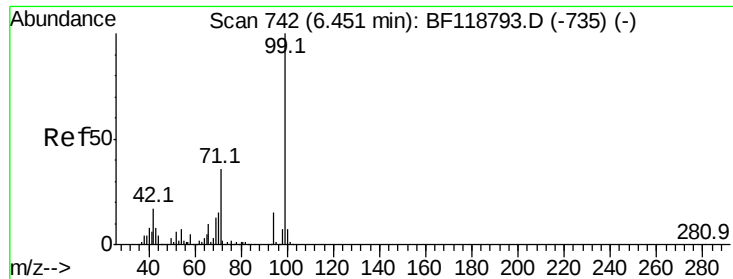
2-Fluorophenol
Concen: 100.045 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.00 min
Lab File: BF118896.D
Acq: 11 Feb 2020 21:03

Tgt Ion:112 Resp: 1402493
Ion Ratio Lower Upper
112 100
64 54.3 42.6 63.8
63 28.7 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: 105.144 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF118896.D

Acq: 11 Feb 2020 21:03

Instrument :

BNA_F

ClientSampleId :

TR-05-021020

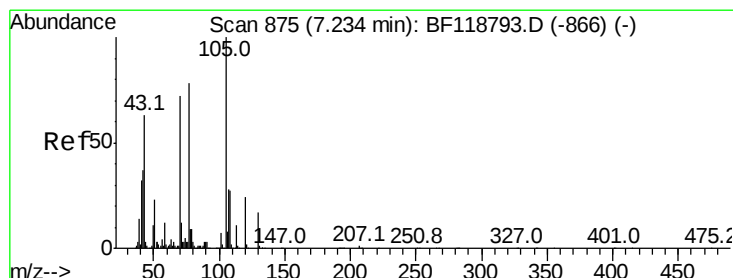
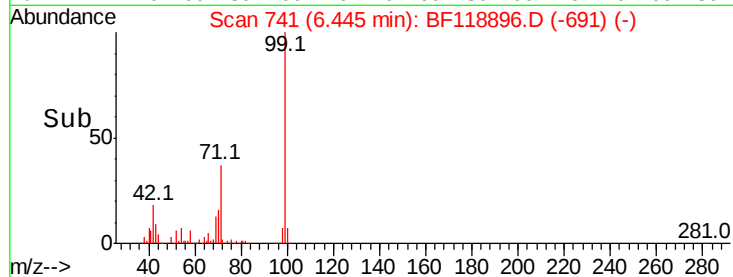
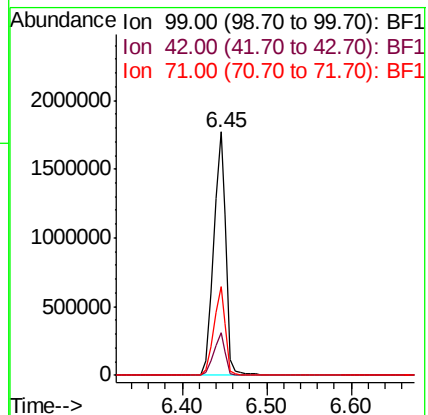
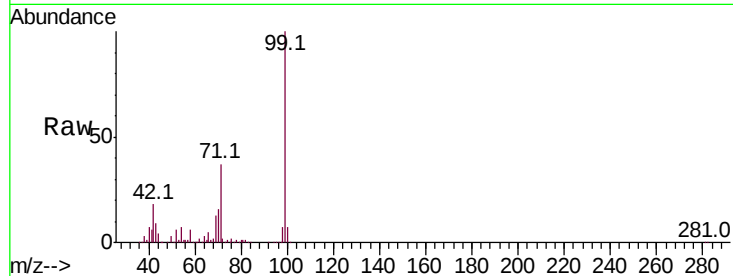
Tot Ion: 99 Resp: 1829716

Ion Ratio Lower Upper

99 100

42 17.6 13.4 20.0

71 36.7 29.0 43.6



#19

n-Nitroso-di-n-propylamine

Concen: 11.306 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.13 min

Lab File: BF118896.D

Acq: 11 Feb 2020 21:03

Tgt Ion: 70 Resp: 120386

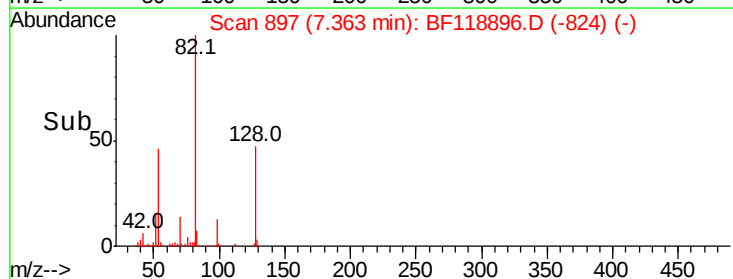
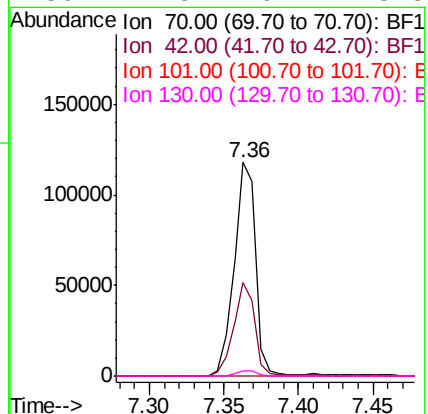
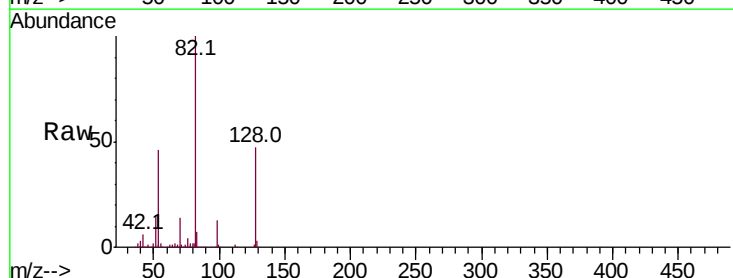
Ion Ratio Lower Upper

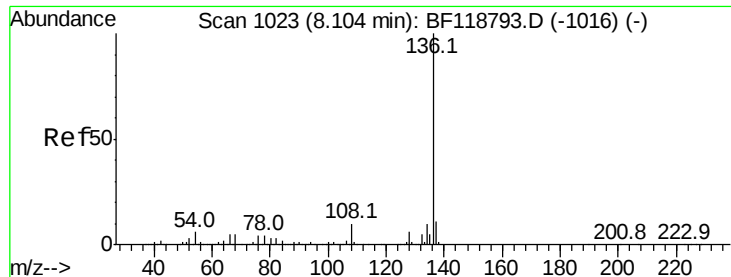
70 100

42 43.5 41.5 62.3

101 0.0 8.3 12.5#

130 2.3 19.2 28.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.02 min

Lab File: BF118896.D

Acq: 11 Feb 2020 21:03

Instrument :

BNA_F

ClientSampleId :

TR-05-021020

Tot Ion:136 Resp: 760444

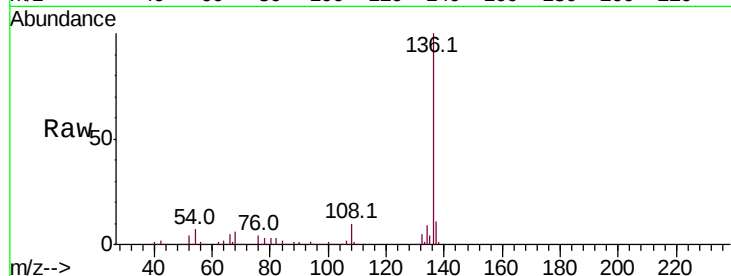
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 6.6 5.0 7.6

68 5.5 4.2 6.4

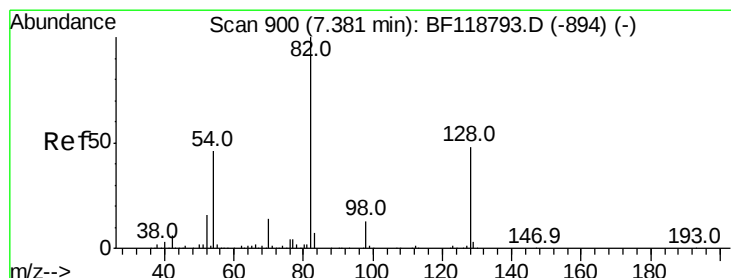
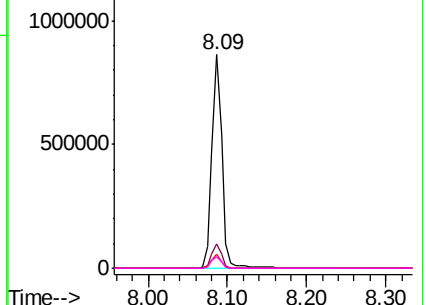
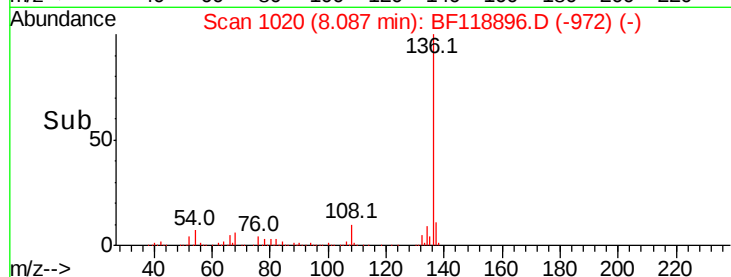


Abundance Ion 136.00 (135.70 to 136.70): E

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: 68.992 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.02 min

Lab File: BF118896.D

Acq: 11 Feb 2020 21:03

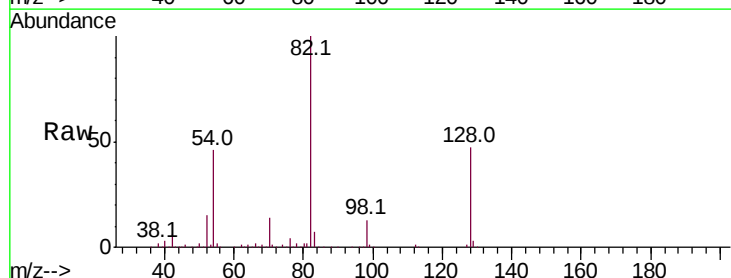
Tgt Ion: 82 Resp: 880202

Ion Ratio Lower Upper

82 100

128 47.5 38.5 57.7

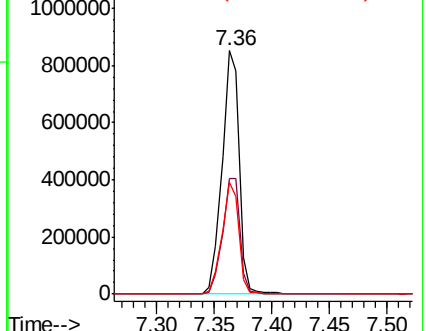
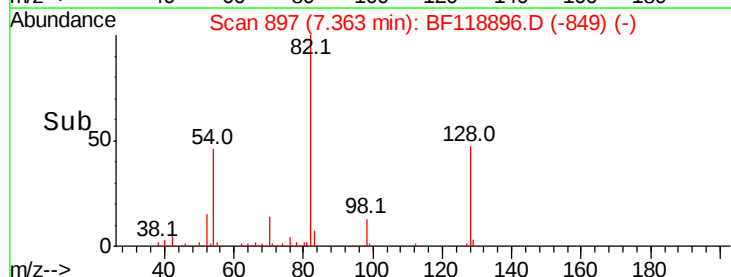
54 45.8 36.7 55.1

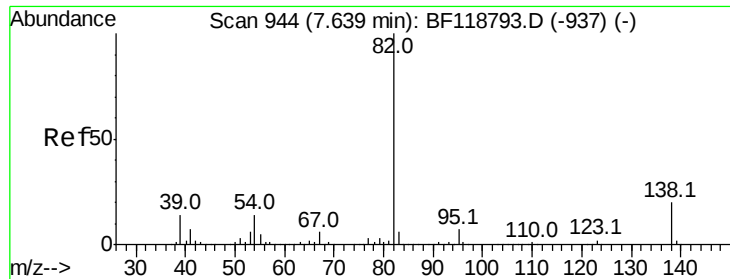


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

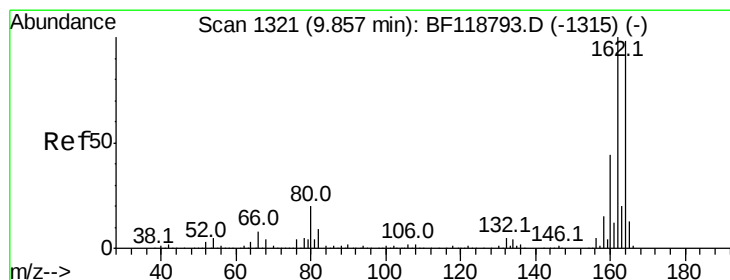
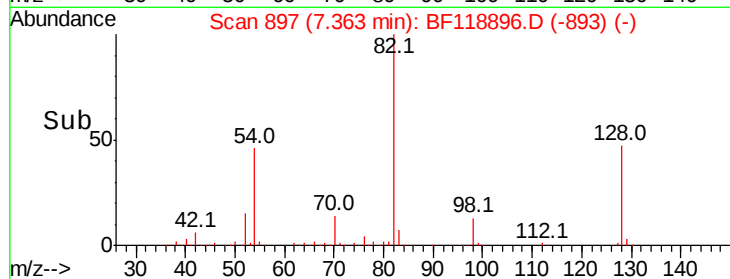
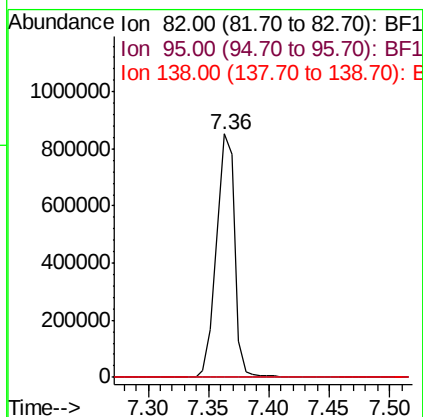
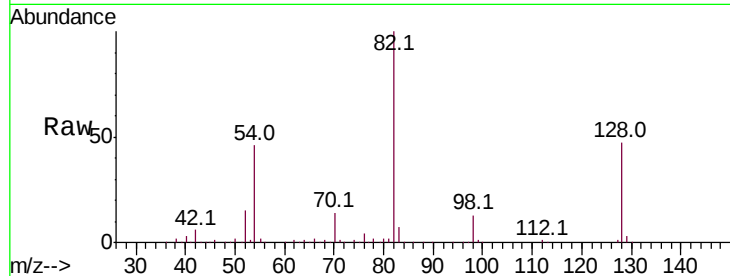




#25
Isophorone
Concen: 38.388 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.28 min
Lab File: BF118896.D
Acq: 11 Feb 2020 21:03

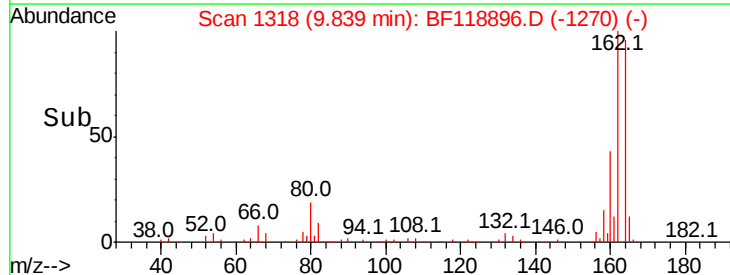
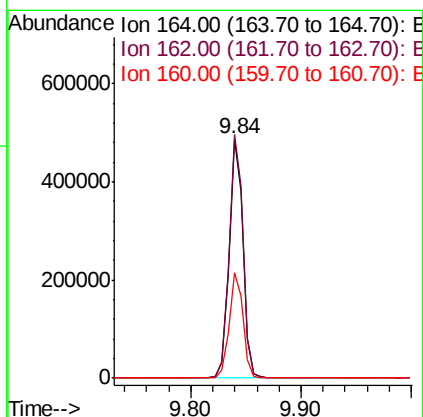
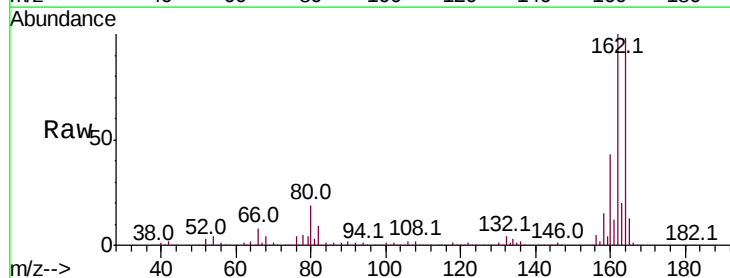
Instrument :
BNA_F
ClientSampleId :
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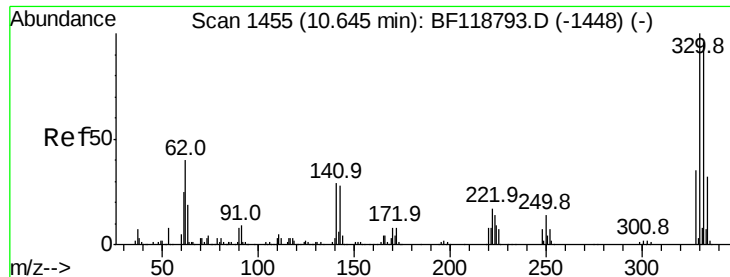
Tot Ion: 82 Resp: 880191
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.7 23.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.02 min
Lab File: BF118896.D
Acq: 11 Feb 2020 21:03

Tgt Ion:164 Resp: 427283
Ion Ratio Lower Upper
164 100
162 101.9 81.4 122.2
160 43.9 35.6 53.4

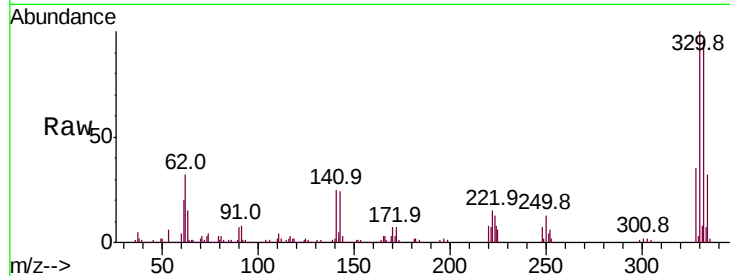




#42
 2,4,6-Tribromophenol
 Concen: 98.479 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF118896.D
 Acq: 11 Feb 2020 21:03

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-021020

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.3	115.9
141	28.3	22.4	33.6

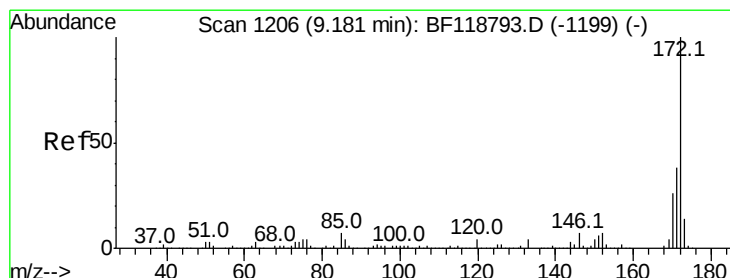
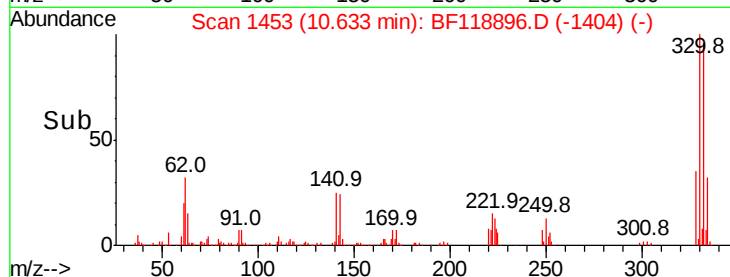
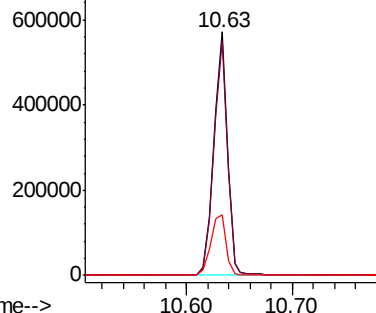


Abundance

Ion 329.80 (329.50 to 330.50): E

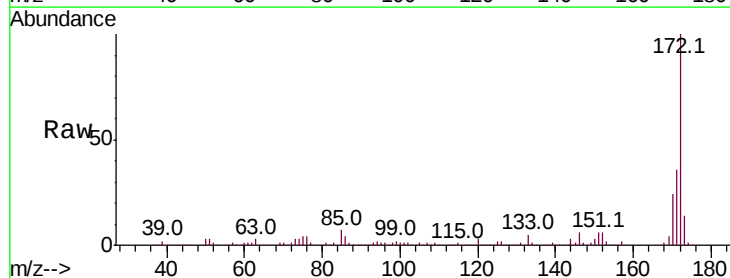
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 75.478 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.02 min
 Lab File: BF118896.D
 Acq: 11 Feb 2020 21:03

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	30.8	46.2
170	24.2	20.5	30.7

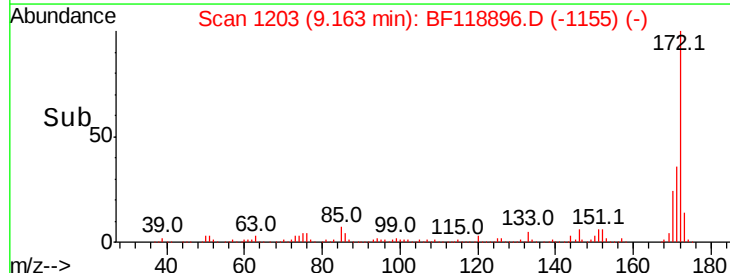
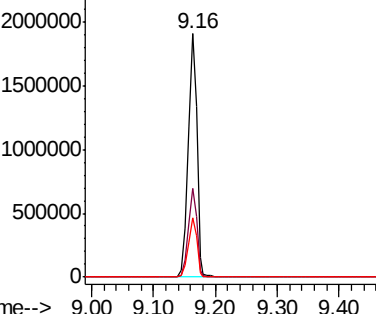


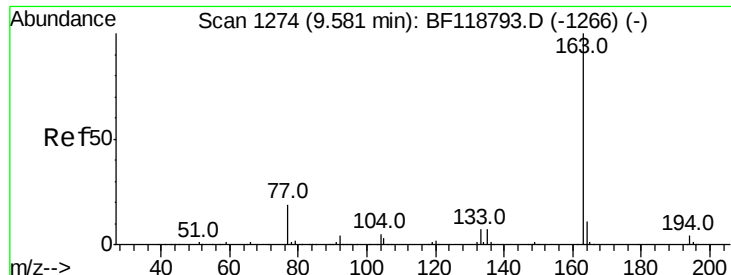
Abundance

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

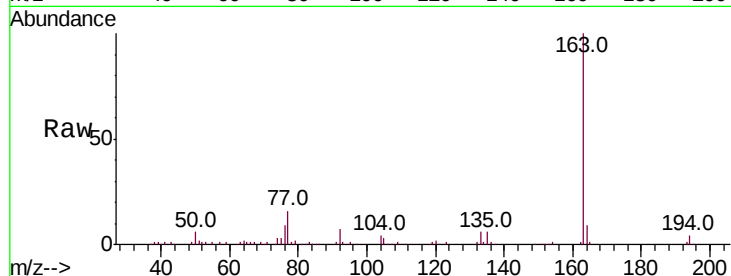




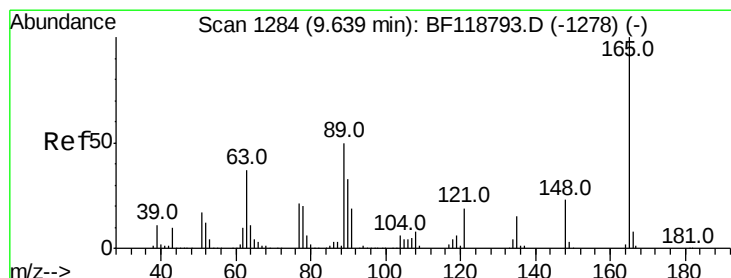
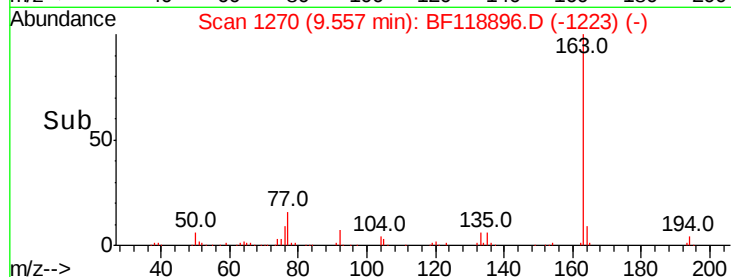
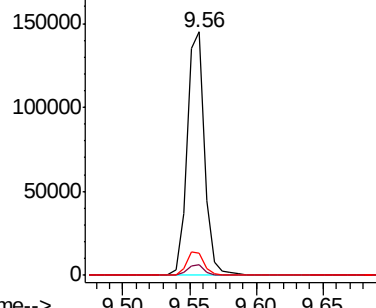
#50
Dimethylphthalate
Concen: 4.620 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BF118896.D
Acq: 11 Feb 2020 21:03

Instrument :
BNA_F
ClientSampleId :
TR-05-021020

Tot Ion:163 Resp: 134414
Ion Ratio Lower Upper
163 100
194 4.5 3.6 5.4
164 9.1 8.7 13.1

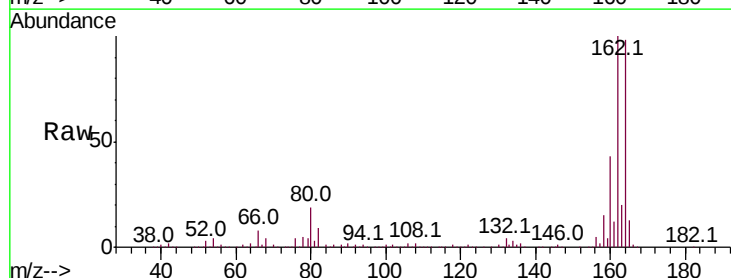


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

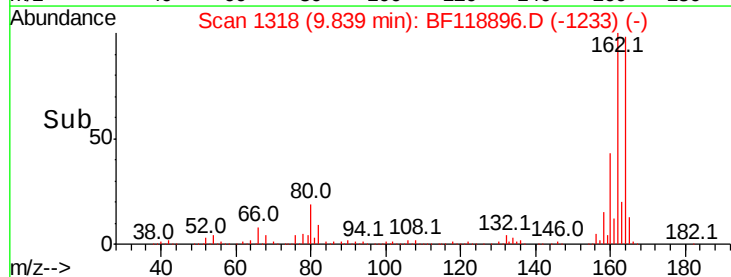
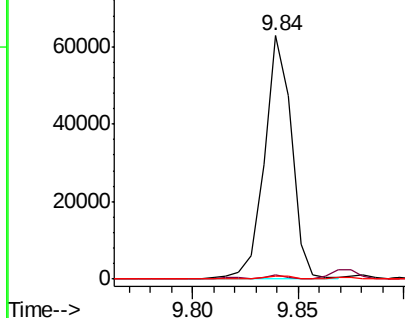


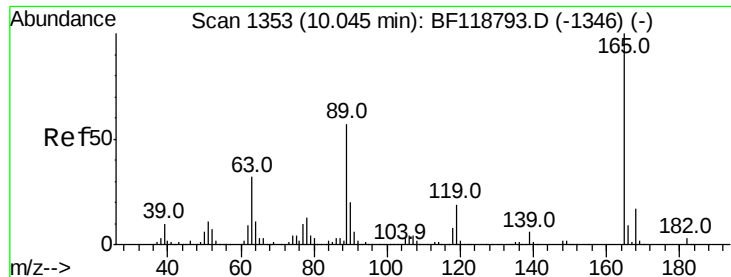
#51
2,6-Dinitrotoluene
Concen: 8.465 ng
RT: 9.84 min Scan# 1318
Delta R.T. 0.20 min
Lab File: BF118896.D
Acq: 11 Feb 2020 21:03

Tgt Ion:165 Resp: 56350
Ion Ratio Lower Upper
165 100
63 1.5 37.4 56.0#
89 1.4 39.7 59.5#



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

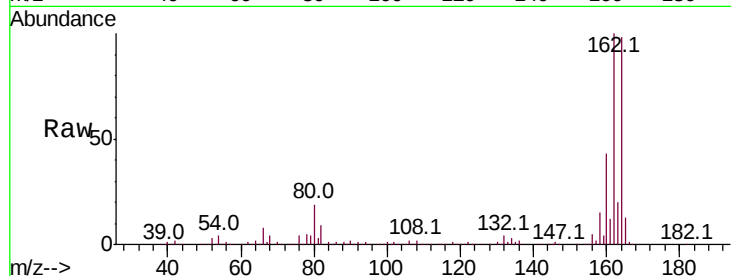




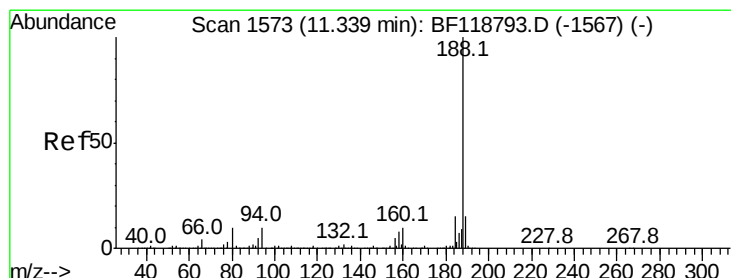
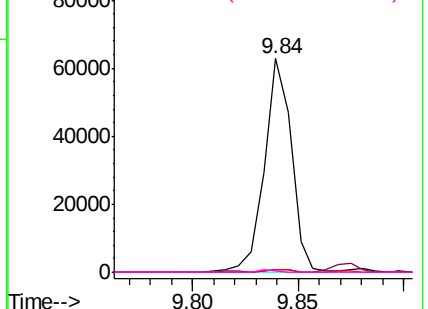
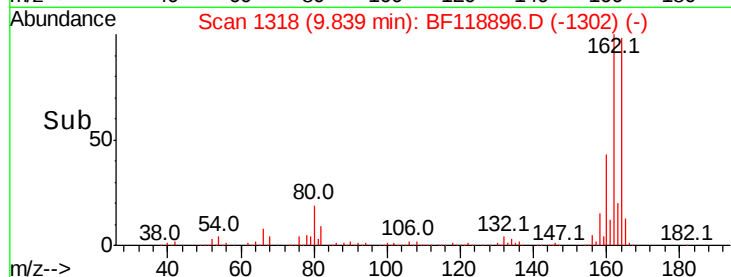
#57
 2,4-Dinitrotoluene
 Concen: 6.396 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.21 min
 Lab File: BF118896.D
 Acq: 11 Feb 2020 21:03

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-021020

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	25.5	38.3#
89	1.4	45.4	68.0#
182	0.5	2.4	3.6#

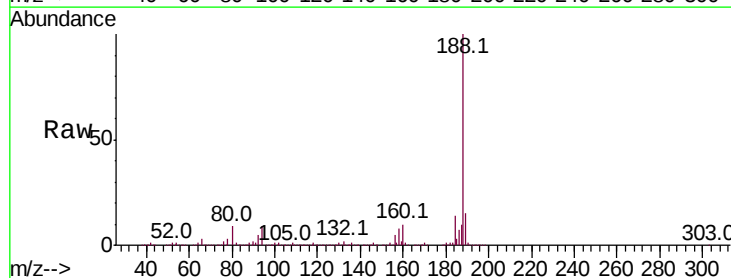


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

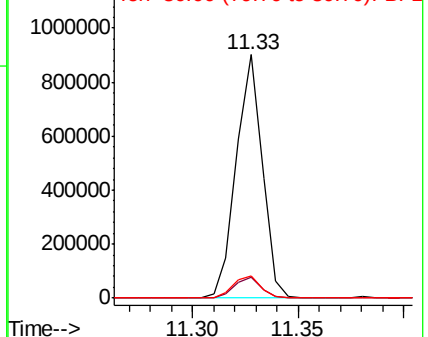
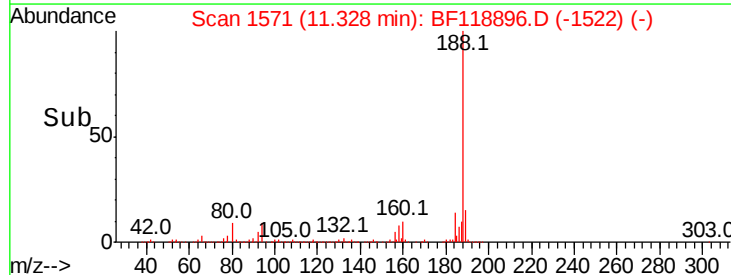


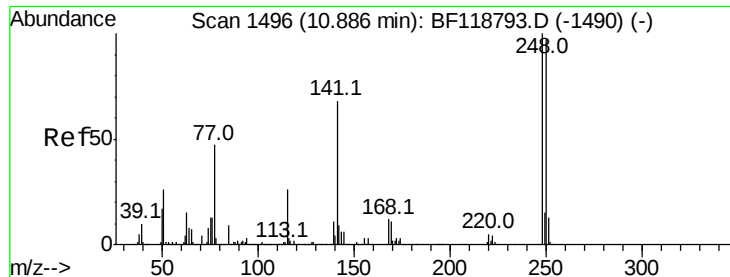
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF118896.D
 Acq: 11 Feb 2020 21:03

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.6	7.9	11.9
80	9.3	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

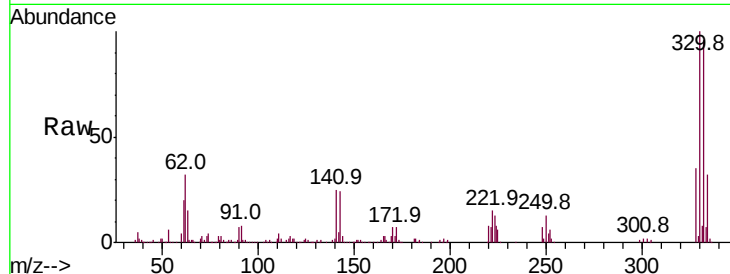




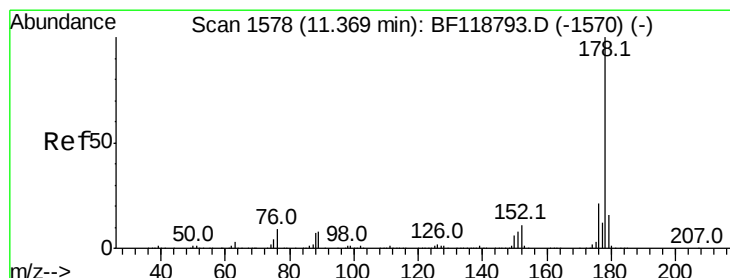
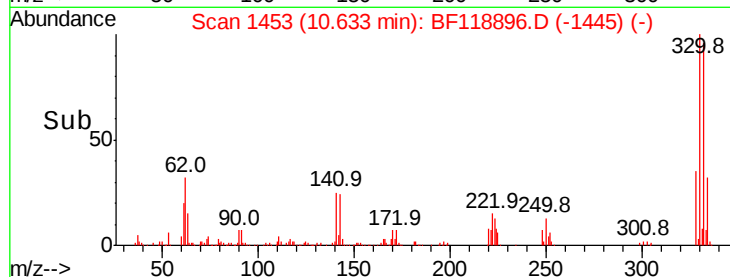
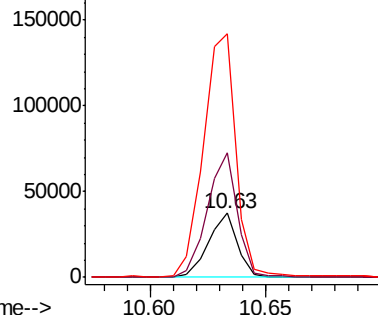
#67
4-Bromophenyl-phenylether
Concen: 3.623 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.25 min
Lab File: BF118896.D
Acq: 11 Feb 2020 21:03

Instrument :
BNA_F
ClientSampleId :
TR-05-021020

Tot Ion:248 Resp: 32911
Ion Ratio Lower Upper
248 100
250 194.1 77.6 116.4#
141 378.8 54.4 81.6#

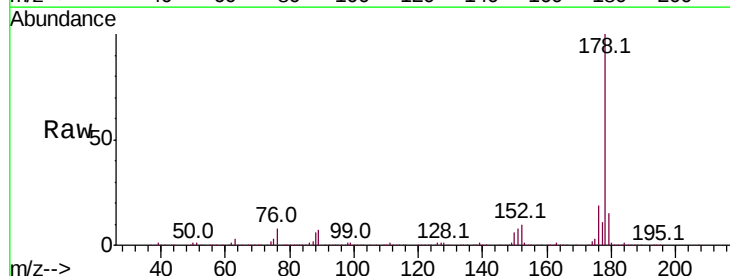


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

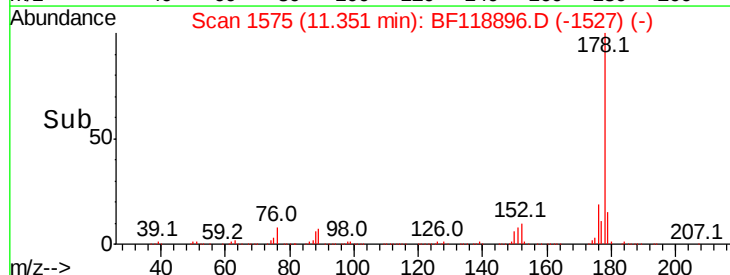
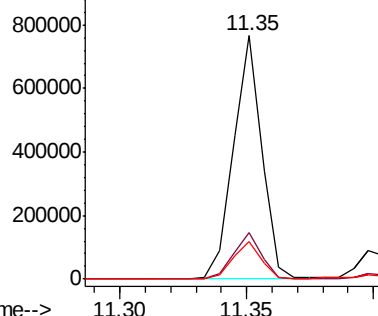


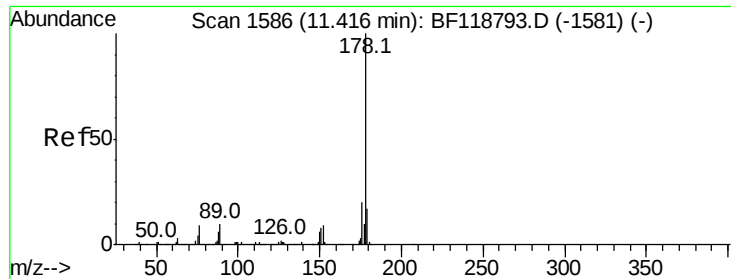
#71
Phenanthrene
Concen: 15.798 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.02 min
Lab File: BF118896.D
Acq: 11 Feb 2020 21:03

Tgt Ion:178 Resp: 596900
Ion Ratio Lower Upper
178 100
176 19.2 16.6 24.8
179 15.4 13.2 19.8



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





#72

Anthracene

Concen: 2.092 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.02 min

Lab File: BF118896.D

Acq: 11 Feb 2020 21:03

Instrument :

BNA_F

ClientSampleId :

TR-05-021020

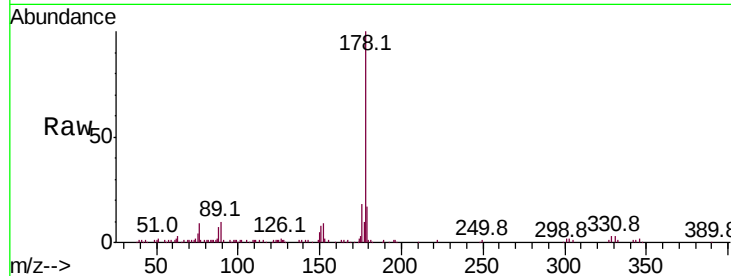
Tot Ion:178 Resp: 78627

Ion Ratio Lower Upper

178 100

176 18.3 16.2 24.2

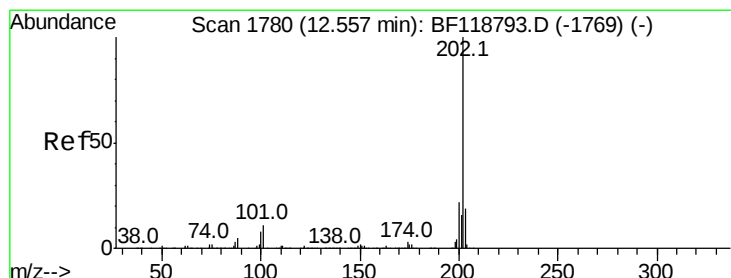
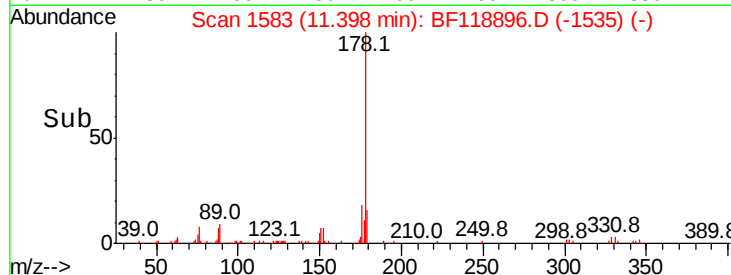
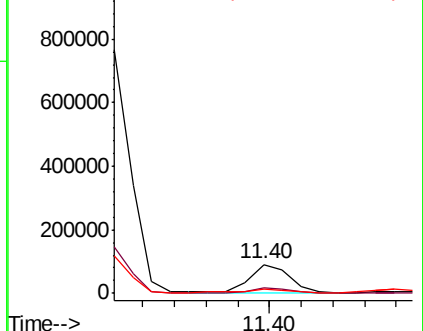
179 16.8 13.4 20.2



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: 17.359 ng

RT: 12.55 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BF118896.D

Acq: 11 Feb 2020 21:03

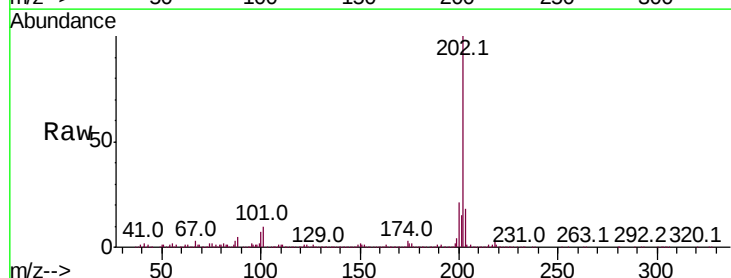
Tgt Ion:202 Resp: 716078

Ion Ratio Lower Upper

202 100

101 10.0 0.0 31.0

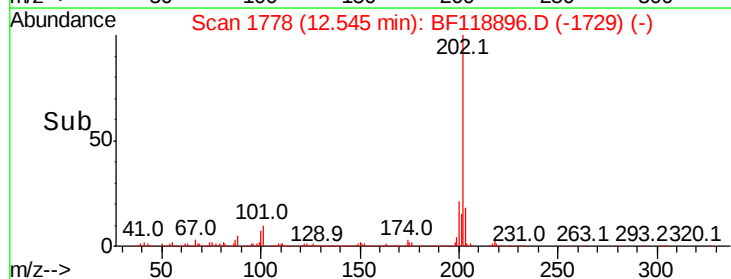
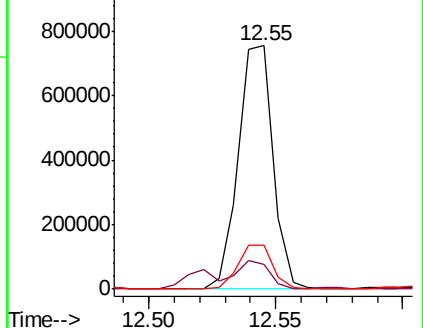
203 17.8 0.0 38.7

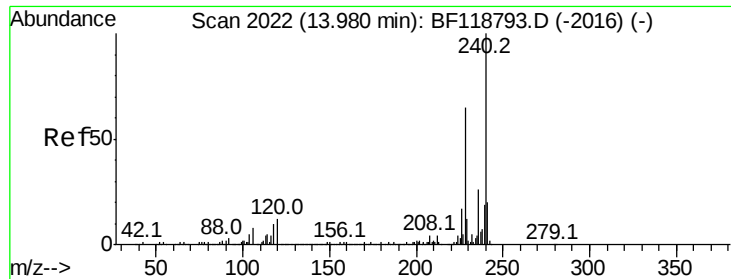


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

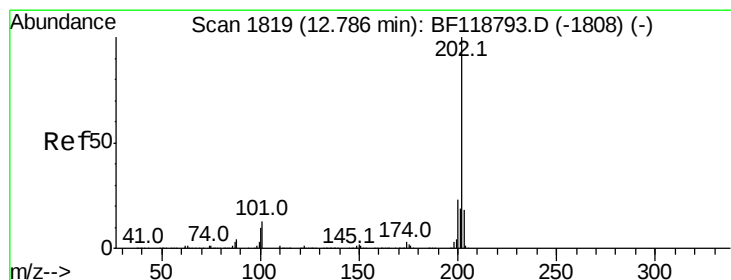
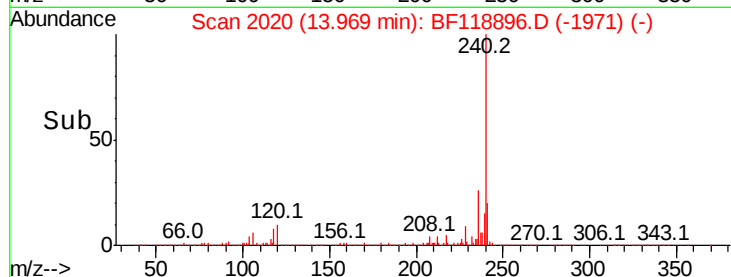
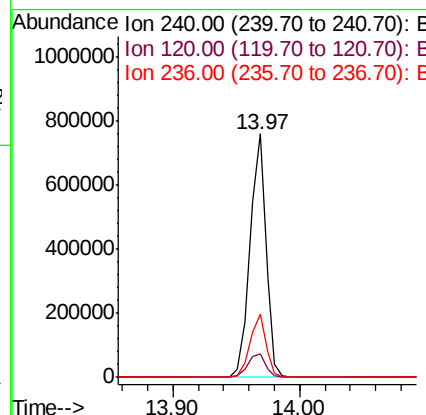
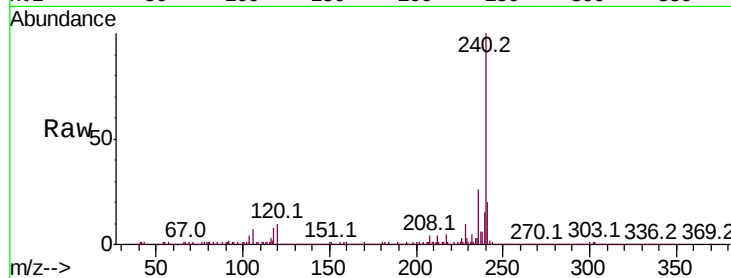




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF118896.D
Acq: 11 Feb 2020 21:03

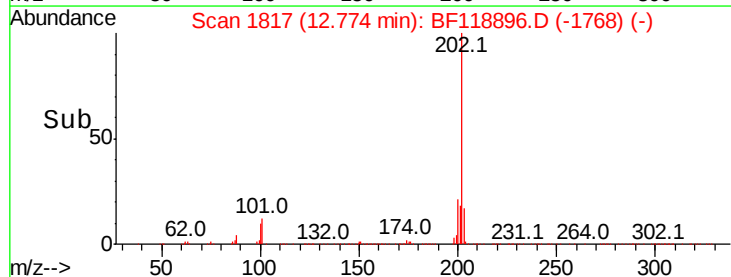
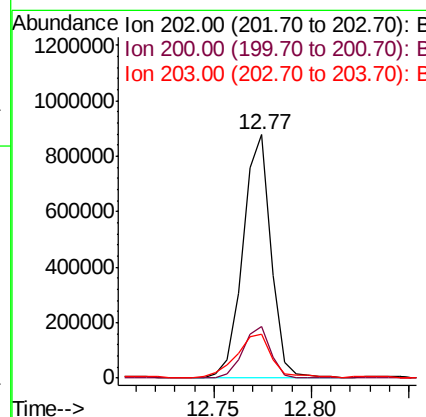
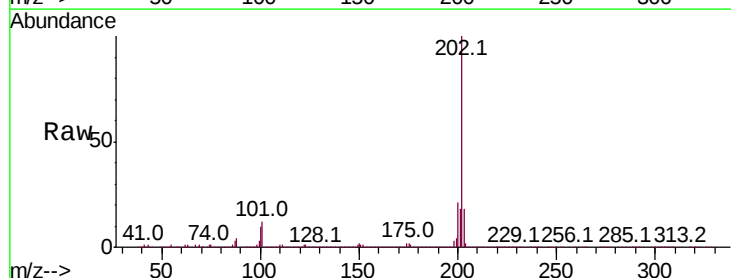
Instrument :
BNA_F
ClientSampleId :
TR-05-021020

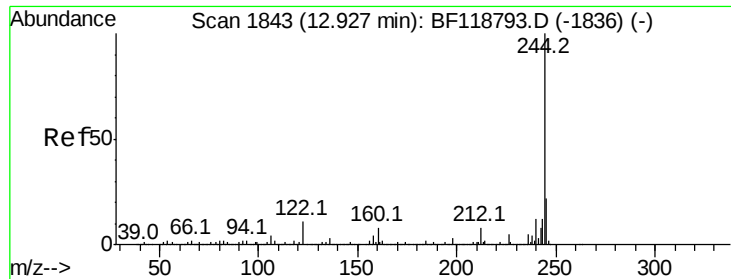
Tot Ion	Ratio	Lower	Upper
240	100		
120	9.6	9.4	14.0
236	26.0	21.0	31.6



#78
Pyrene
Concen: 19.204 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BF118896.D
Acq: 11 Feb 2020 21:03

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	18.2	27.2
203	17.8	14.8	22.2



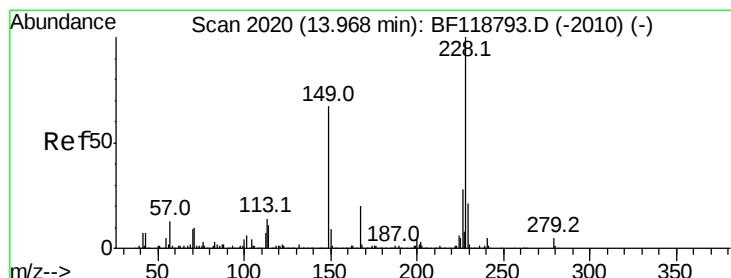
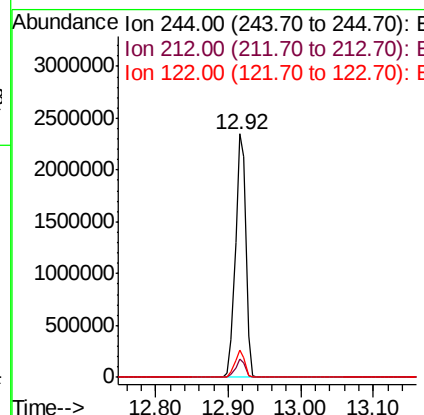
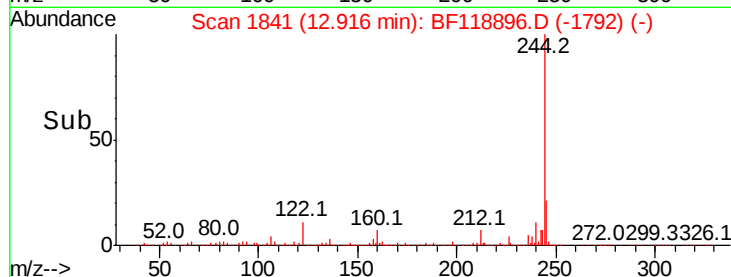
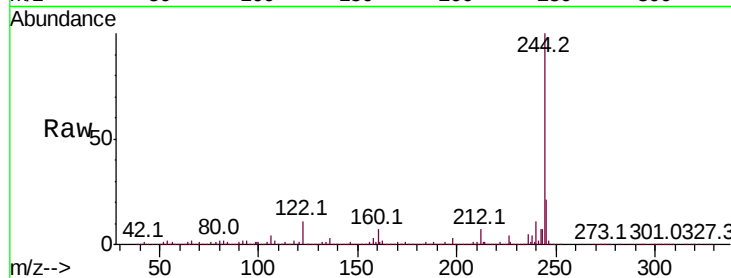


#79
 Terphenyl-d14
 Concen: 72.889 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF118896.D
 Acq: 11 Feb 2020 21:03

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-021020

Tot Ion:244 Resp: 2344985

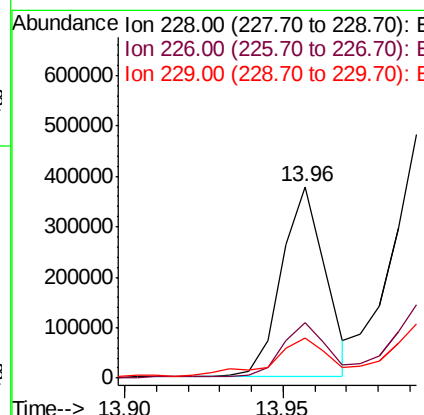
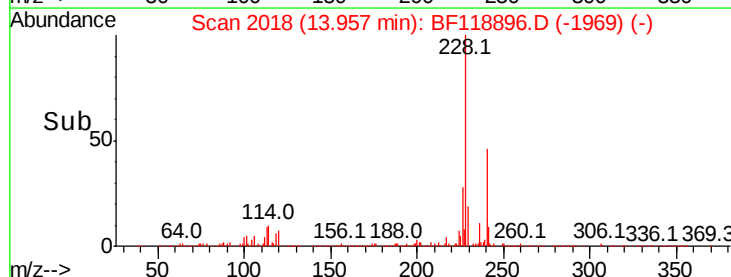
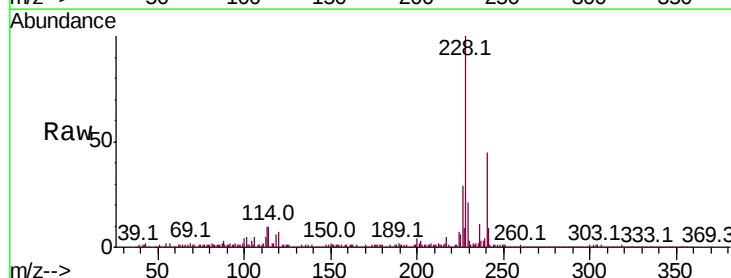
Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.5	9.7
122	11.1	8.9	13.3

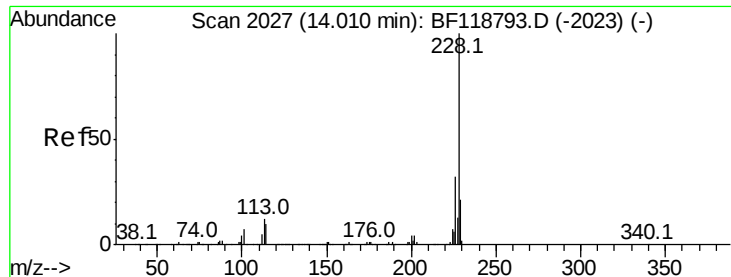


#81
 Benzo(a)anthracene
 Concen: 9.172 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. -0.01 min
 Lab File: BF118896.D
 Acq: 11 Feb 2020 21:03

Tgt Ion:228 Resp: 360657

Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.7	34.1
229	21.2	16.6	25.0





#83

Chrysene

Concen: 11.466 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.02 min

Lab File: BF118896.D

Acq: 11 Feb 2020 21:03

Instrument :

BNA_F

ClientSampleId :

TR-05-021020

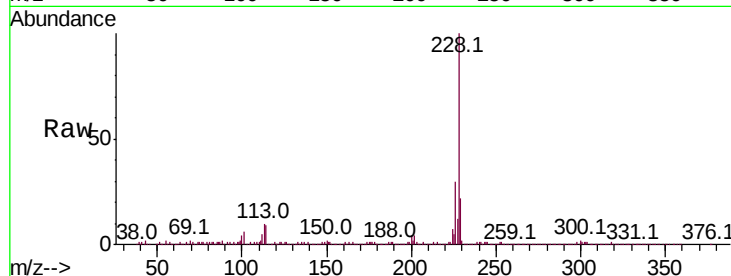
Tot Ion:228 Resp: 452517

Ion Ratio Lower Upper

228 100

226 29.9 25.4 38.0

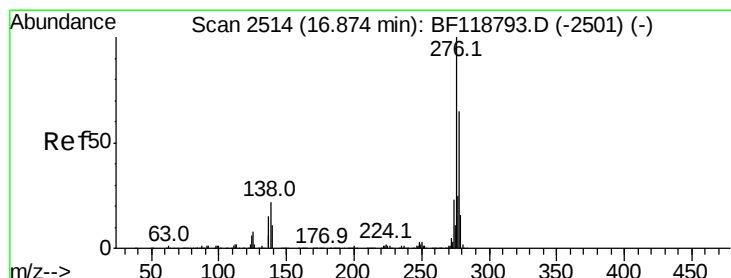
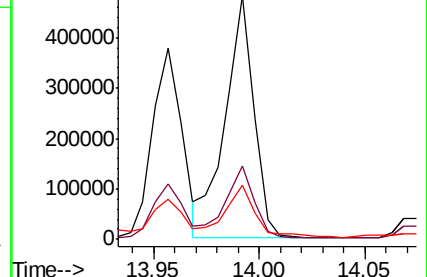
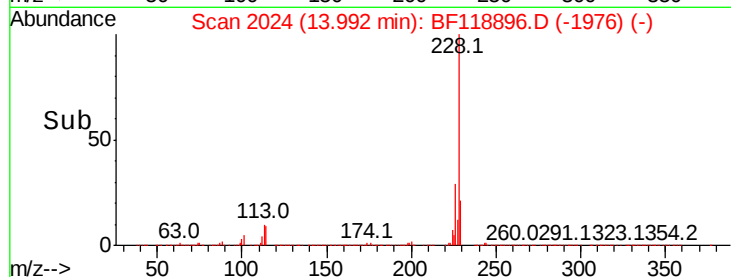
229 22.4 16.9 25.3



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

Indeno(1,2,3-cd)pyrene

Concen: 4.086 ng

RT: 16.85 min Scan# 2510

Delta R.T. -0.02 min

Lab File: BF118896.D

Acq: 11 Feb 2020 21:03

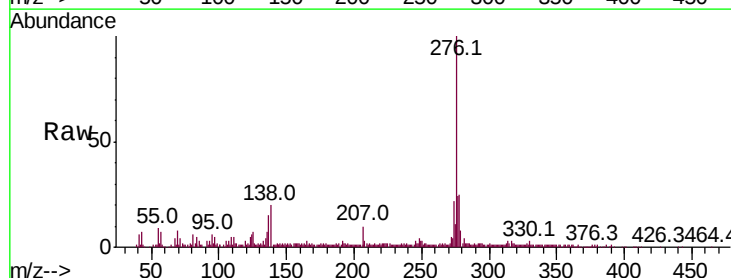
Tgt Ion:276 Resp: 162038

Ion Ratio Lower Upper

276 100

138 19.8 18.3 27.5

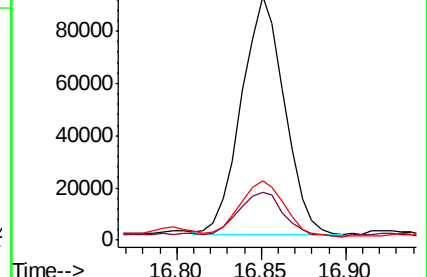
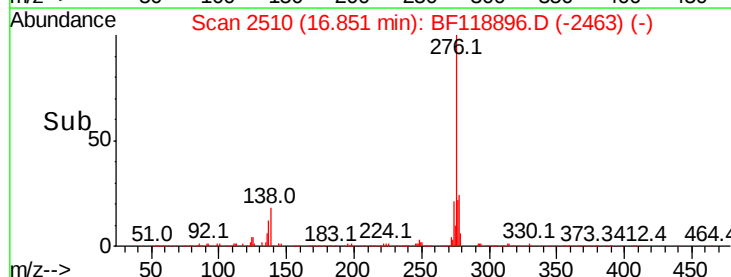
277 24.3 20.2 30.4

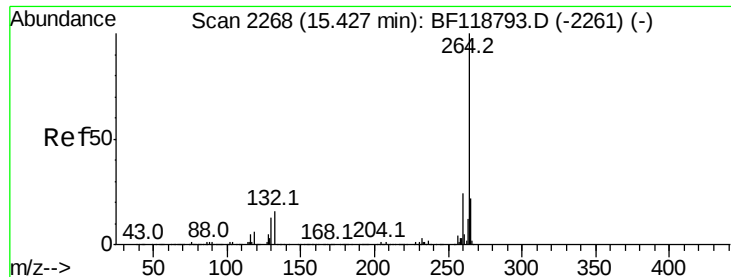


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.42 min Scan# 2266

Delta R.T. -0.01 min

Lab File: BF118896.D

Acq: 11 Feb 2020 21:03

Instrument :

BNA_F

ClientSampleId :

TR-05-021020

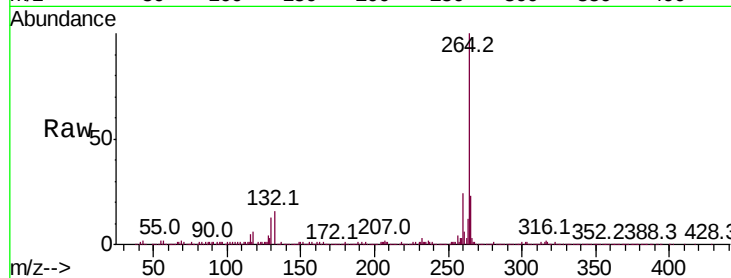
Tot Ion:264 Resp: 674845

Ion Ratio Lower Upper

264 100

260 24.2 19.1 28.7

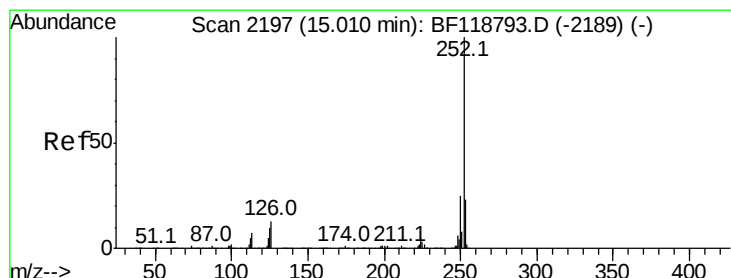
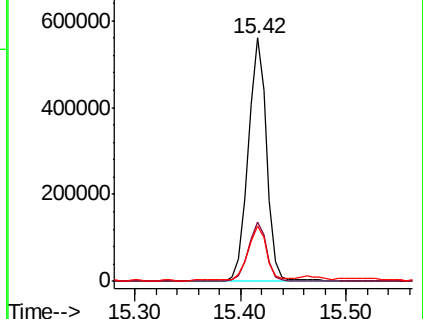
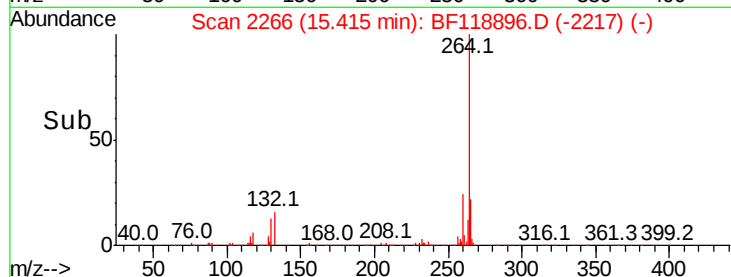
265 22.7 17.2 25.8



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: 17.630 ng

RT: 15.00 min Scan# 2195

Delta R.T. -0.01 min

Lab File: BF118896.D

Acq: 11 Feb 2020 21:03

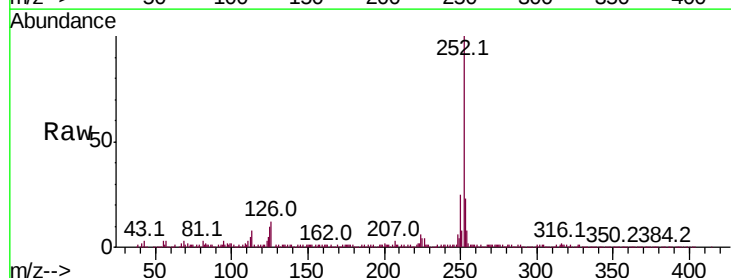
Tgt Ion:252 Resp: 738278

Ion Ratio Lower Upper

252 100

253 22.7 18.4 27.6

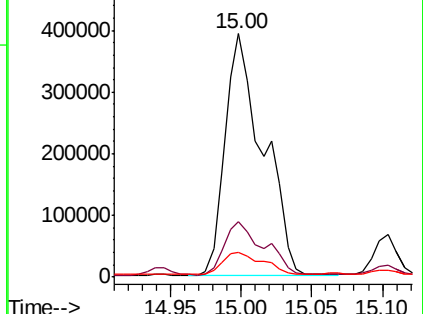
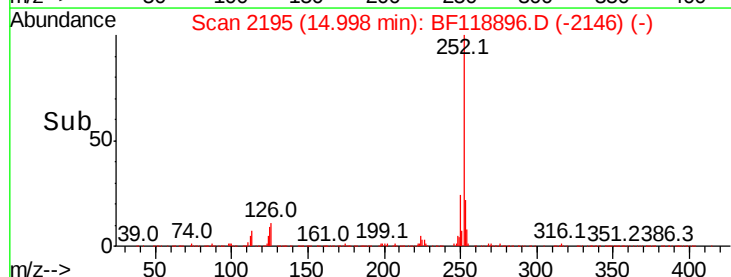
125 10.4 8.1 12.1

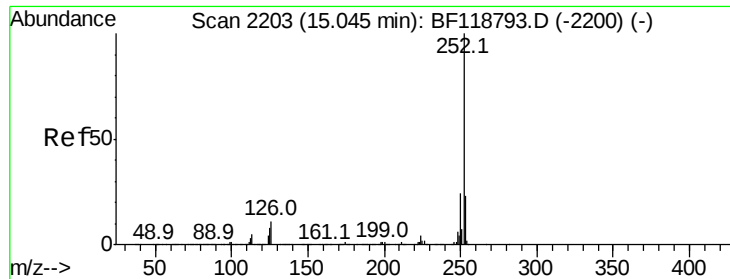


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

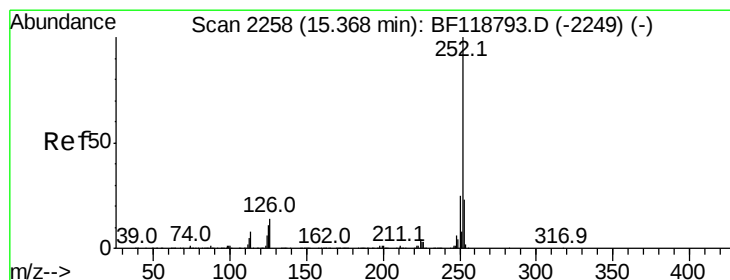
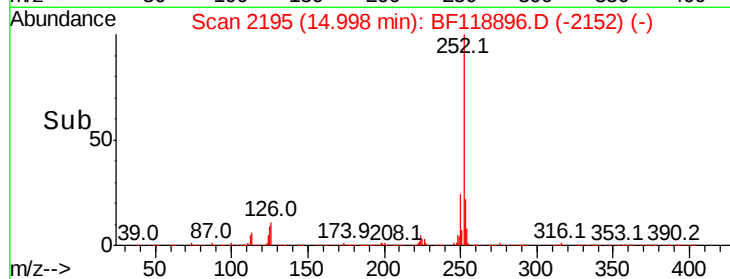
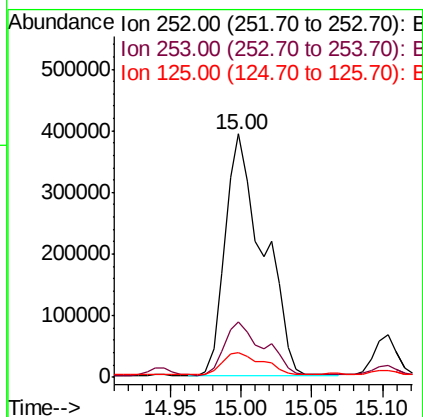
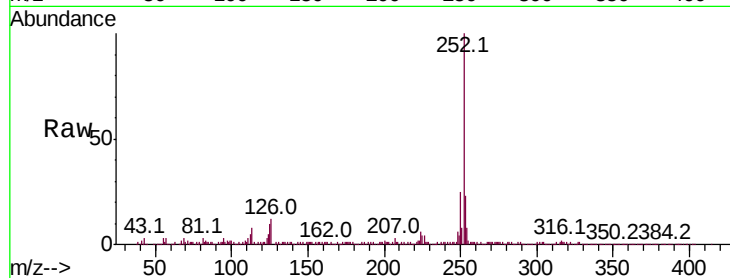




#89
Benzo(k)fluoranthene
Concen: 20.246 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.05 min
Lab File: BF118896.D
Acq: 11 Feb 2020 21:03

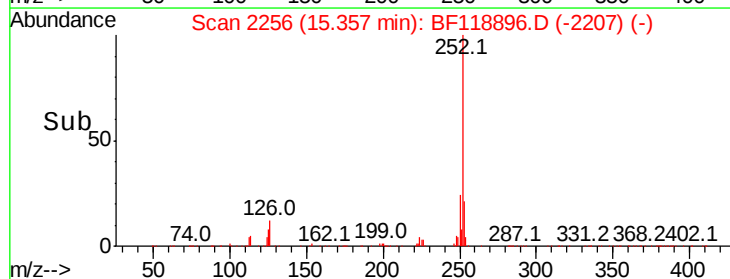
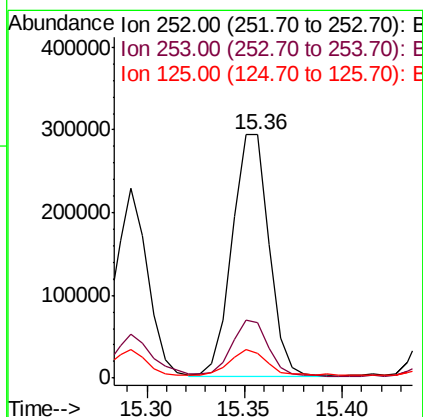
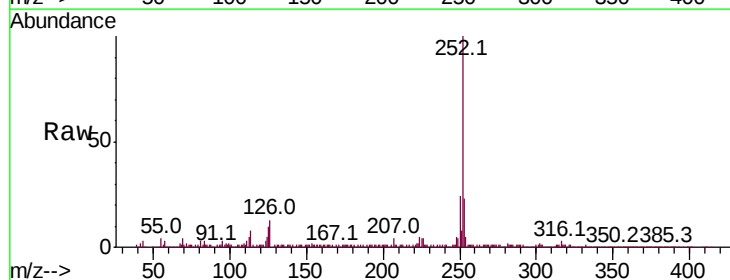
Instrument :
BNA_F
ClientSampleId :
TR-05-021020

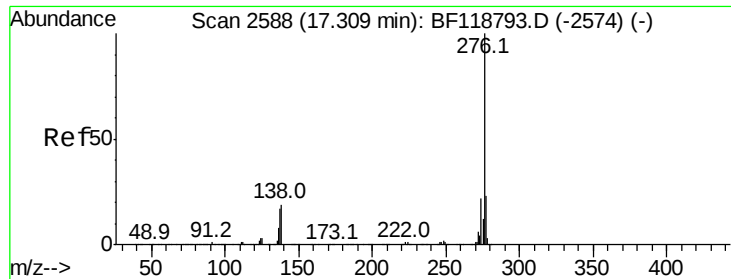
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.4
125	10.4	7.0	10.6



#90
Benzo(a)pyrene
Concen: 10.707 ng
RT: 15.36 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BF118896.D
Acq: 11 Feb 2020 21:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.1	27.1
125	10.1	8.7	13.1

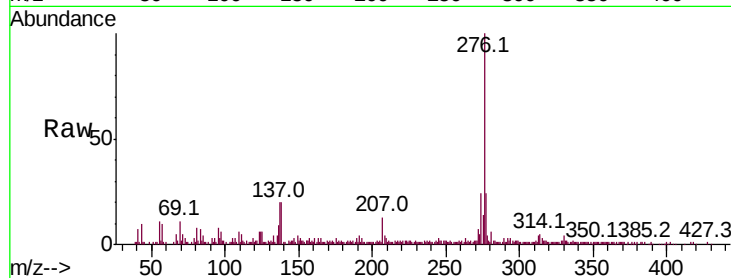




#92
 Benzo(a,h,i)perylene
 Concen: 4.801 ng
 RT: 17.29 min Scan# 2584
 Delta R.T. -0.02 min
 Lab File: BF118896.D
 Acq: 11 Feb 2020 21:03

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-021020

Tot Ion:276 Resp: 146882
 Ion Ratio Lower Upper
 276 100
 277 23.9 18.7 28.1
 138 20.3 15.4 23.2



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

