

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020620\
 Data File : BF118835.D
 Acq On : 6 Feb 2020 14:23
 Operator : CG/JU
 Sample : L1408-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 06 17:13:25 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	6.81	152	233949	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	822576	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	490462	20.00	ng	-0.01
64) Phenanthrene-d10	11.33	188	974117	20.00	ng	-0.01
76) Chrysene-d12	13.96	240	793872	20.00	ng	-0.02
87) Perylene-d12	15.41	264	762924	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1068875	86.48	ng	0.00
7) Phenol-d6	6.45	99	1300268	84.75	ng	0.00
23) Nitrobenzene-d5	7.37	82	871502	63.15	ng	-0.01
42) 2,4,6-Tribromophenol	10.63	330	527517	89.89	ng	-0.01
45) 2-Fluorobiphenyl	9.17	172	1680679	61.26	ng	-0.01
79) Terphenyl-d14	12.92	244	2175458	56.29	ng	-0.01

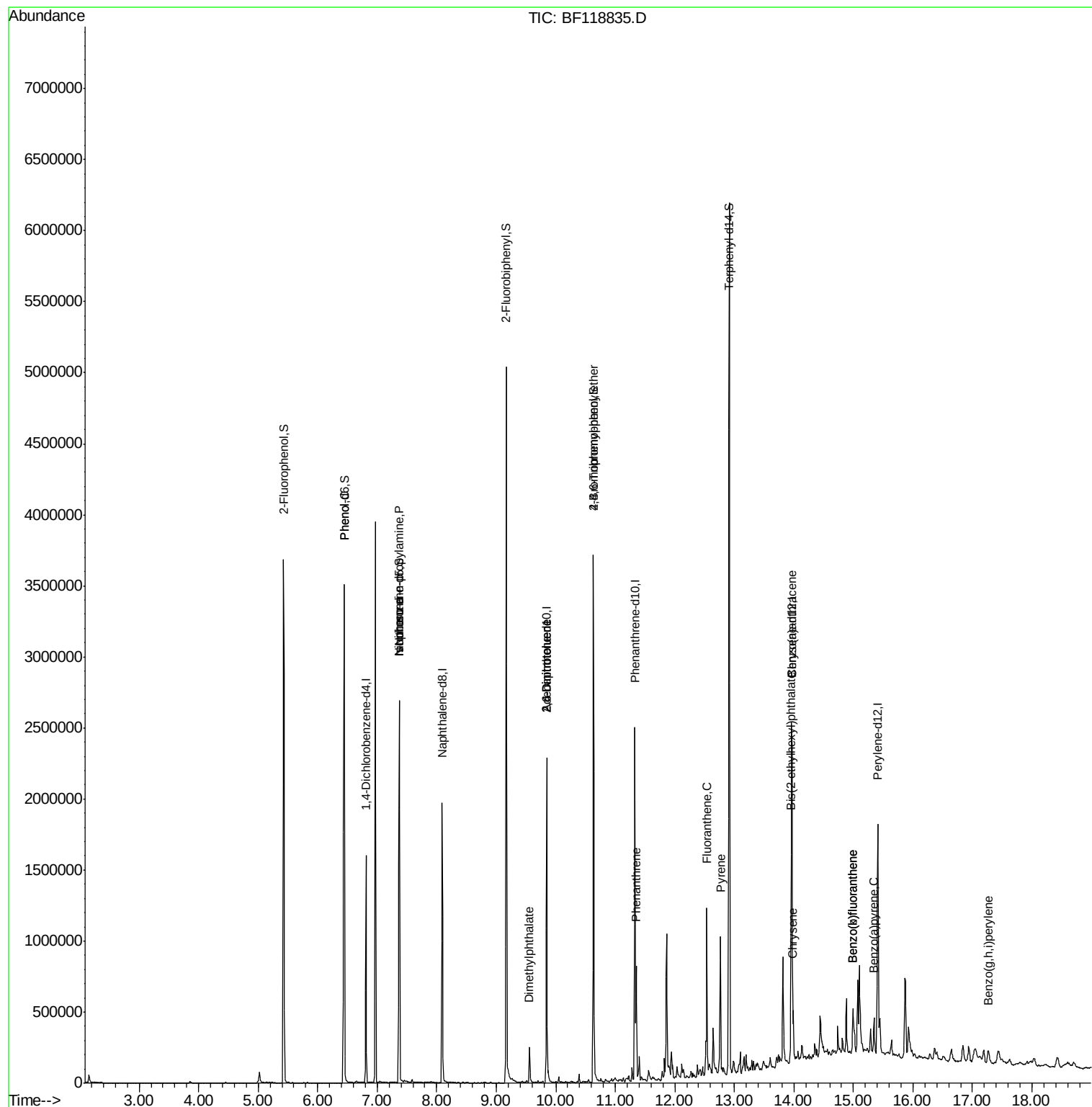
Target Compounds				Qvalue		
9) Benzaldehyde	6.36	77	557	Below Cal		94
10) Phenol	6.45	94	41365	2.425 ng		80
19) n-Nitroso-di-n-propylamine	7.37	70	119045	12.682 ng	#	76
25) Isophorone	7.37	82	871494	35.138 ng	#	63
50) Dimethylphthalate	9.56	163	116636	3.493 ng		98
51) 2,6-Dinitrotoluene	9.85	165	64545	8.447 ng	#	30
57) 2,4-Dinitrotoluene	9.85	165	64792	6.407 ng	#	34
67) 4-Bromophenyl-phenylether	10.63	248	33803	2.933 ng	#	1
71) Phenanthrene	11.35	178	277996	5.800 ng		96
75) Fluoranthene	12.54	202	437725	8.365 ng		98
78) Pyrene	12.77	202	397902	7.306 ng		96
81) Benzo(a)anthracene	13.96	228	180617	3.823 ng		99
83) Chrysene	13.99	228	167713	3.537 ng		96
84) Bis(2-ethylhexyl)phthalate	13.95	149	63142	2.002 ng		99
88) Benzo(b)fluoranthene	14.99	252	243973	5.154 ng		99
89) Benzo(k)fluoranthene	14.99	252	243973	5.918 ng	#	98
90) Benzo(a)pyrene	15.34	252	127261	3.141 ng		99
92) Benzo(g,h,i)perylene	17.27	276	77356	2.236 ng		95

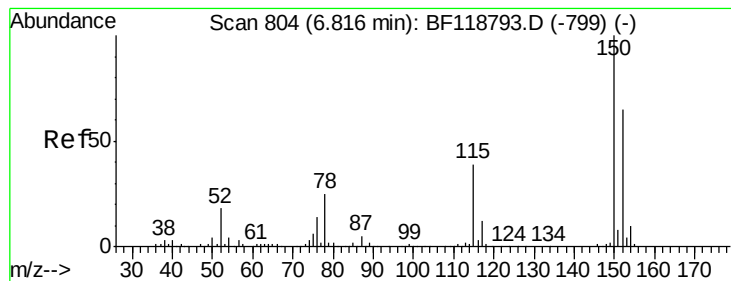
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.81 min Scan# 803

Delta R.T. -0.01 min

Lab File: BF118835.D

Acq: 6 Feb 2020 14:23

Instrument :

BNA_F

ClientSampleId :

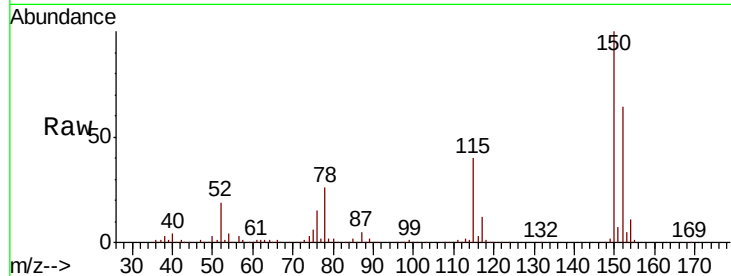
Tot Ion:152 Resp: 233949

Ion Ratio Lower Upper

152 100

150 157.1 123.6 185.4

115 62.2 48.2 72.2

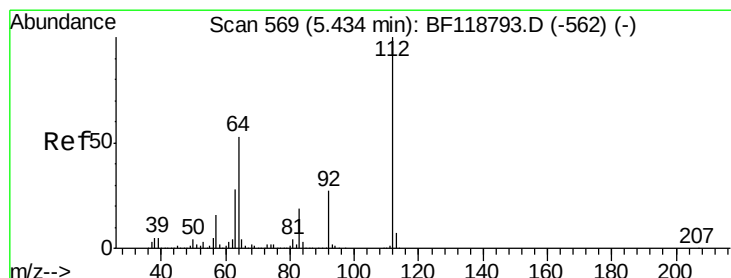
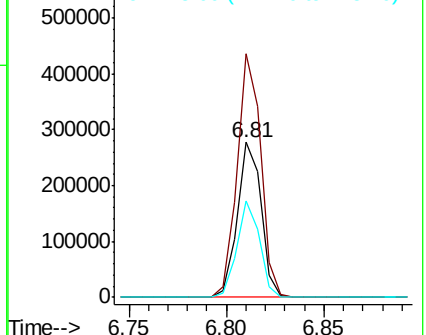
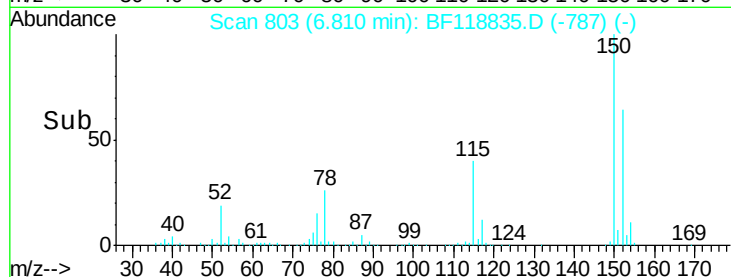


Abundance

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: 86.485 ng

RT: 5.43 min Scan# 568

Delta R.T. -0.01 min

Lab File: BF118835.D

Acq: 6 Feb 2020 14:23

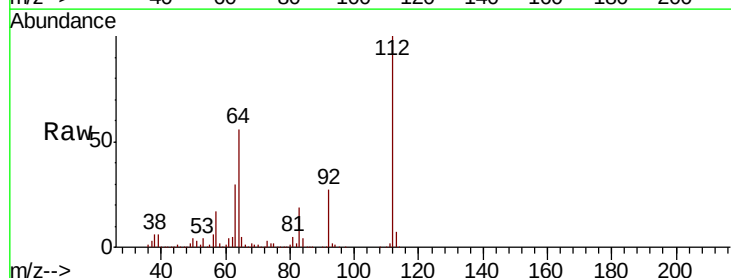
Tgt Ion:112 Resp: 1068875

Ion Ratio Lower Upper

112 100

64 56.1 42.6 63.8

63 29.9 22.2 33.4

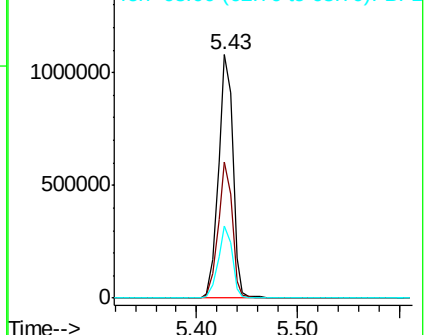
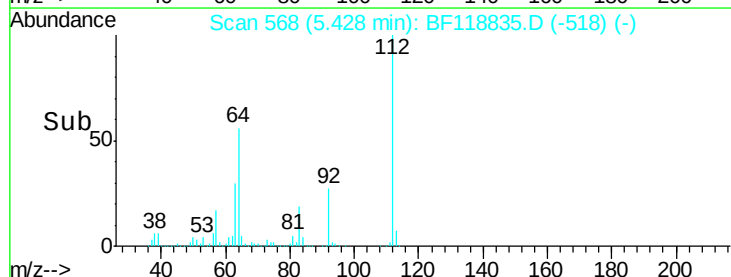


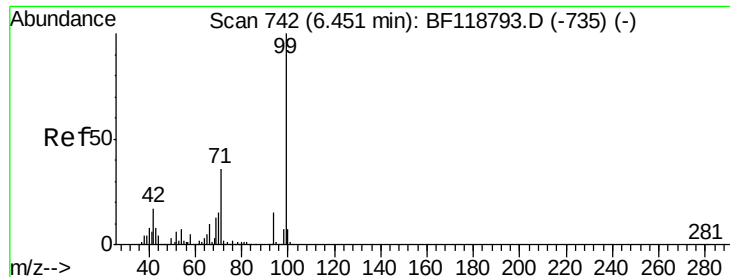
Abundance

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: 84.752 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF118835.D

Acq: 6 Feb 2020 14:23

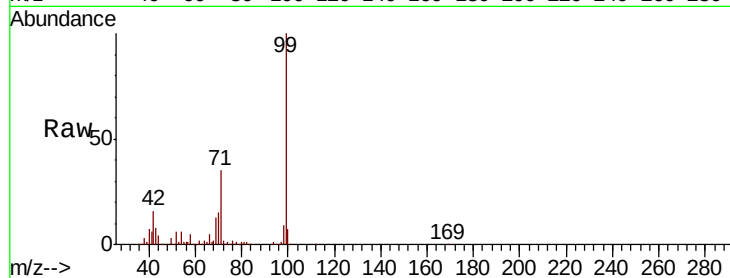
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1300268

Ion	Ratio	Lower	Upper
99	100		
42	15.7	13.4	20.0
71	35.1	29.0	43.6

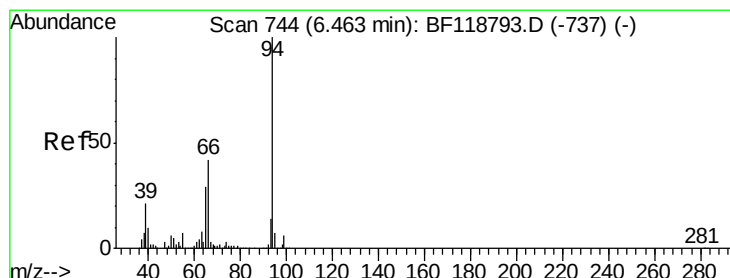
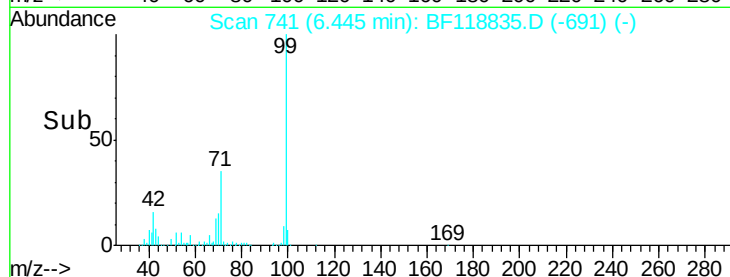
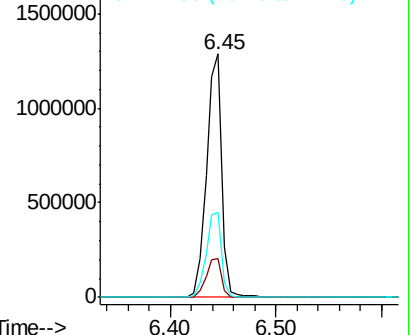


Abundance

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



#10

Phenol

Concen: 2.425 ng

RT: 6.45 min Scan# 742

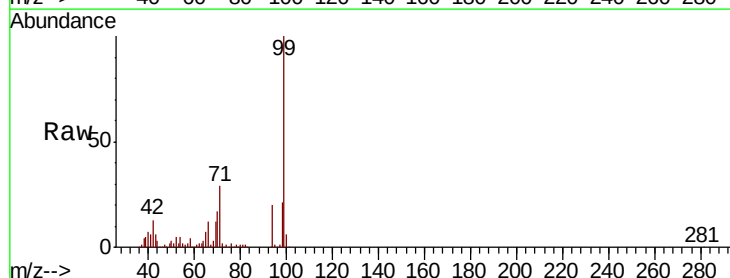
Delta R.T. -0.01 min

Lab File: BF118835.D

Acq: 6 Feb 2020 14:23

Tgt Ion: 94 Resp: 41365

Ion	Ratio	Lower	Upper
94	100		
65	32.6	9.1	49.1
66	60.0	21.7	61.7

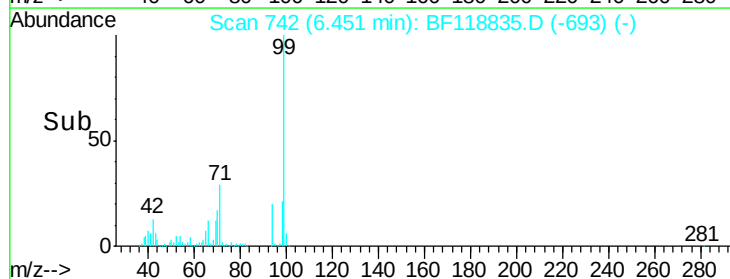
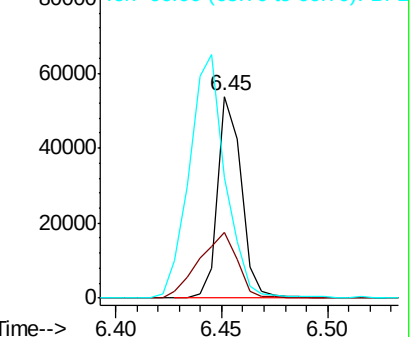


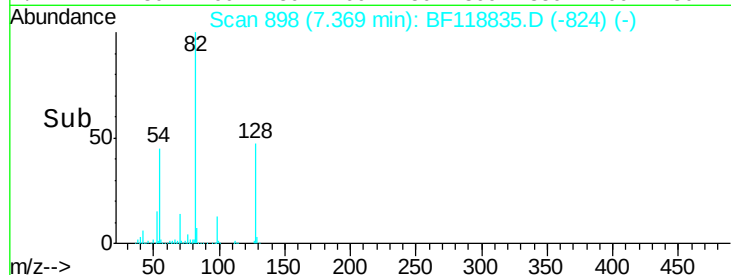
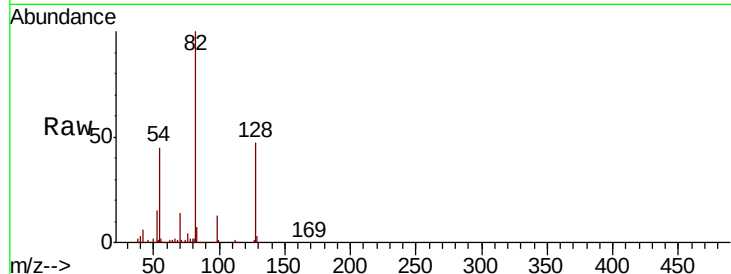
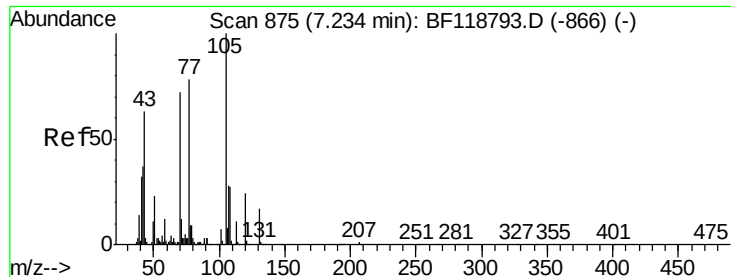
Abundance

Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

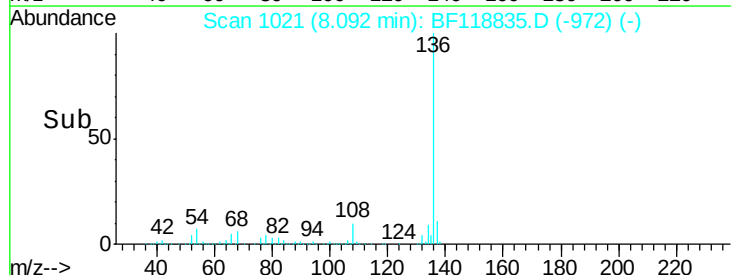
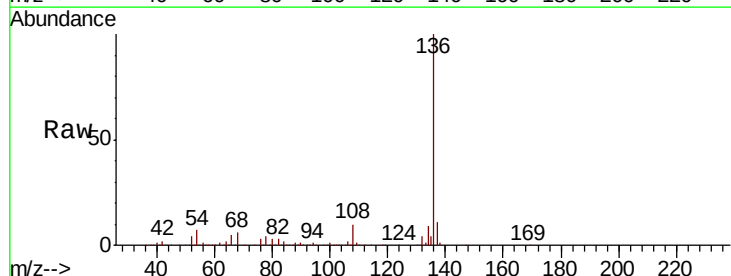
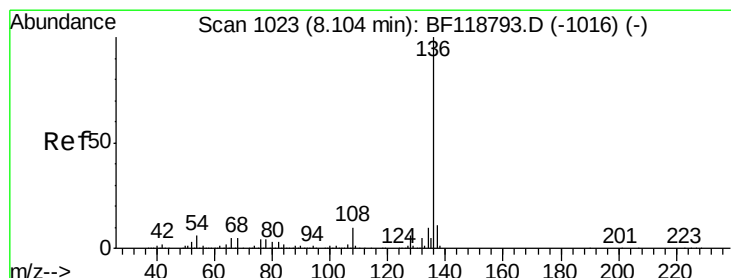
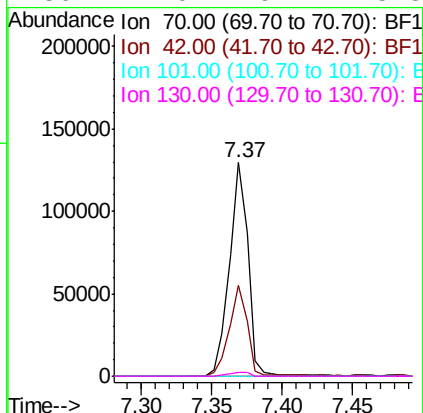




#19
n-Nitroso-di-n-propylamine
Concen: 12.682 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.14 min
Lab File: BF118835.D
Acq: 6 Feb 2020 14:23

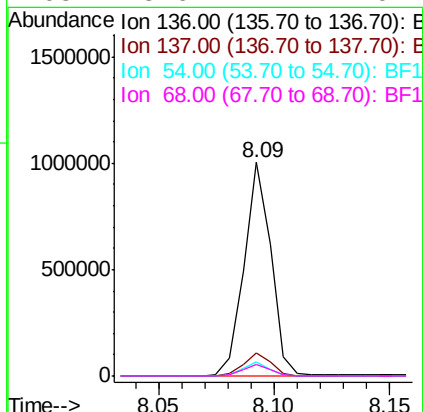
Instrument :
BNA_F
ClientSampleId :

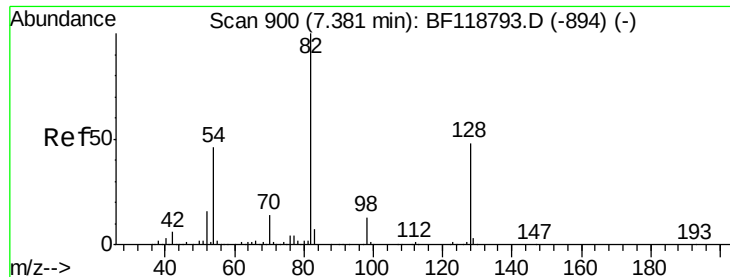
Tot Ion:	70	Resp:	119045
Ion	Ratio	Lower	Upper
70	100		
42	42.6	41.5	62.3
101	0.0	8.3	12.5#
130	2.0	19.2	28.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF118835.D
Acq: 6 Feb 2020 14:23

Tgt Ion:	136	Resp:	822576
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	6.6	5.0	7.6
68	5.6	4.2	6.4

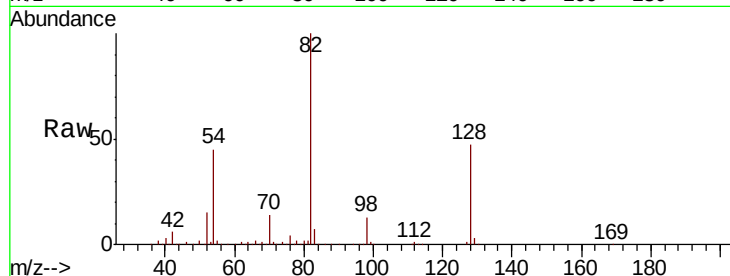




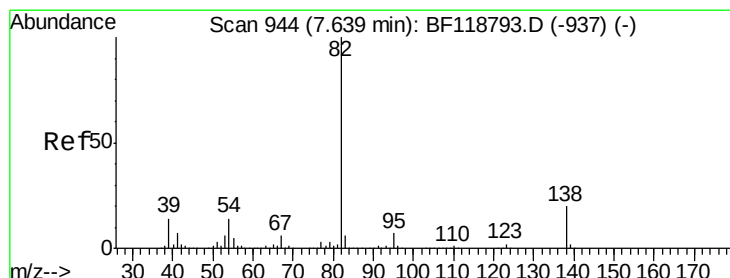
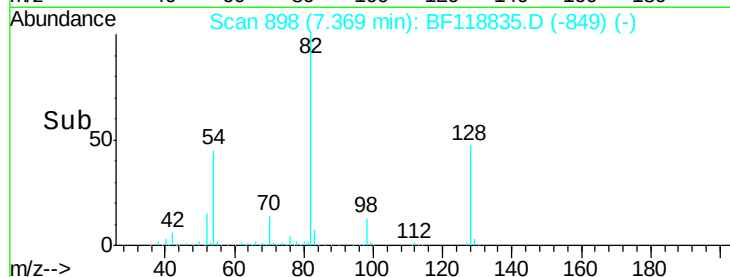
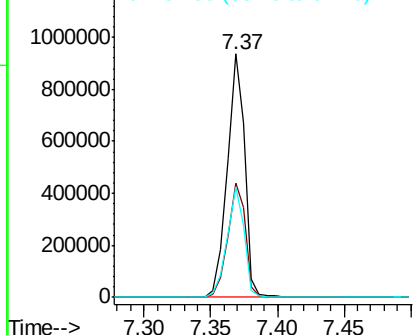
#23
Nitrobenzene-d5
Concen: 63.150 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF118835.D
Acq: 6 Feb 2020 14:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	871502
Ion Ratio	Lower	Upper	
82	100		
128	47.1	38.5	57.7
54	45.4	36.7	55.1

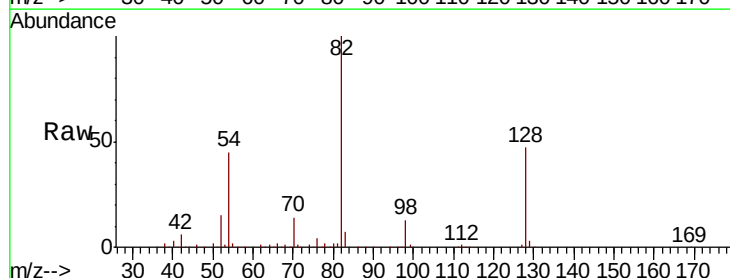


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

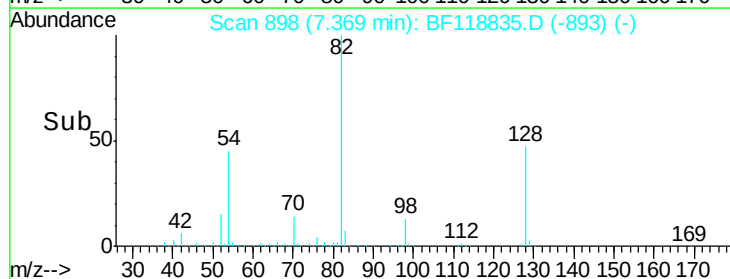
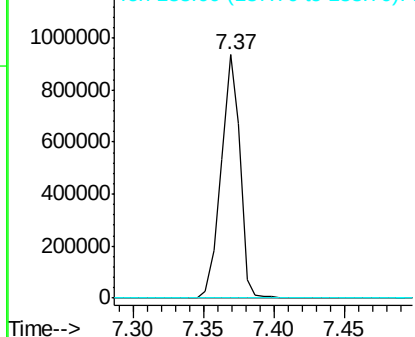


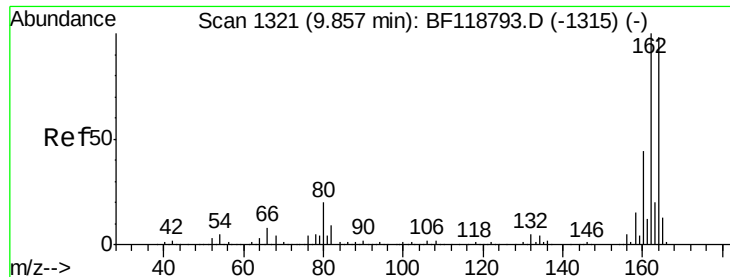
#25
Isophorone
Concen: 35.138 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.27 min
Lab File: BF118835.D
Acq: 6 Feb 2020 14:23

Tgt Ion	82	Resp	871494
Ion Ratio	Lower	Upper	
82	100		
95	0.0	6.0	9.0#
138	0.0	15.7	23.5#



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

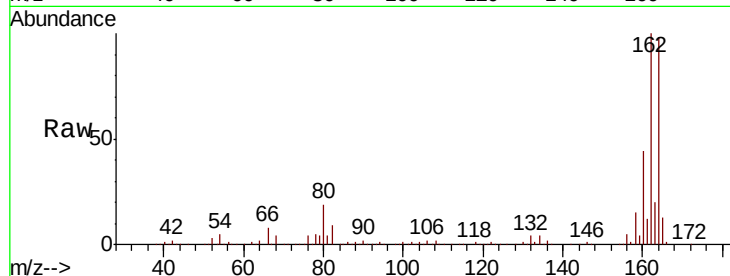




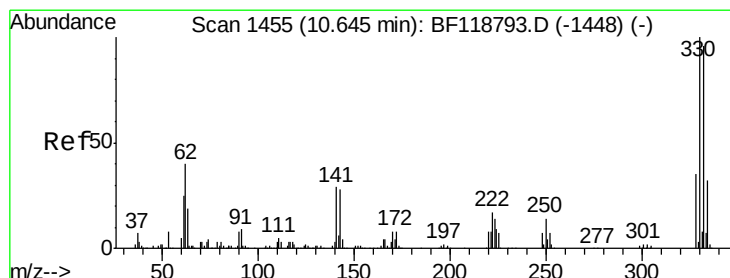
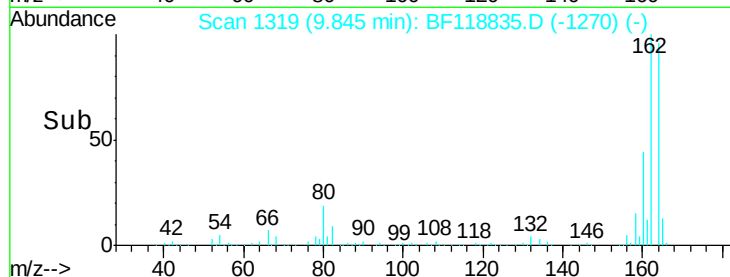
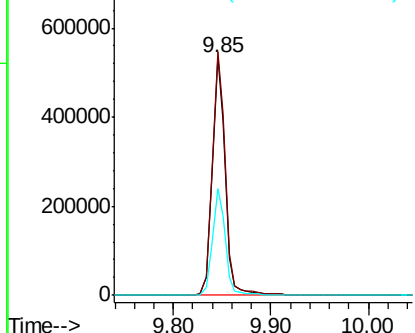
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: BF118835.D
 Acq: 6 Feb 2020 14:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 490462
 Ion Ratio Lower Upper
 164 100
 162 102.3 81.4 122.2
 160 45.1 35.6 53.4

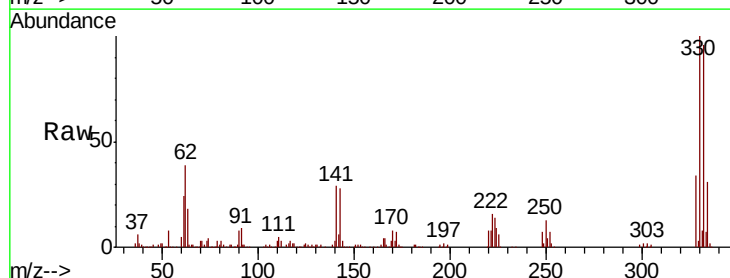


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

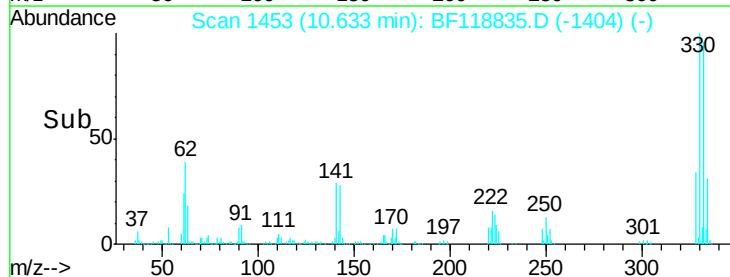
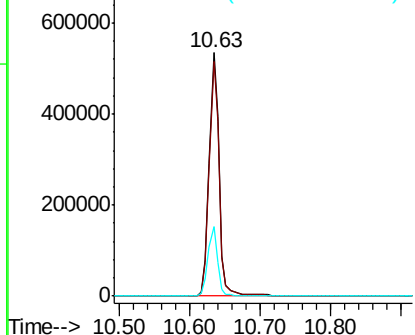


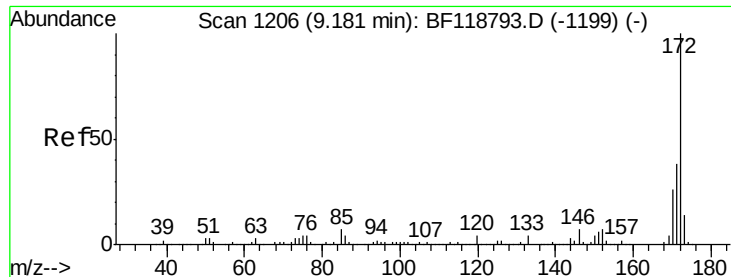
#42
 2,4,6-Tribromophenol
 Concen: 89.889 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF118835.D
 Acq: 6 Feb 2020 14:23

Tgt Ion:330 Resp: 527517
 Ion Ratio Lower Upper
 330 100
 332 96.0 77.3 115.9
 141 27.4 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

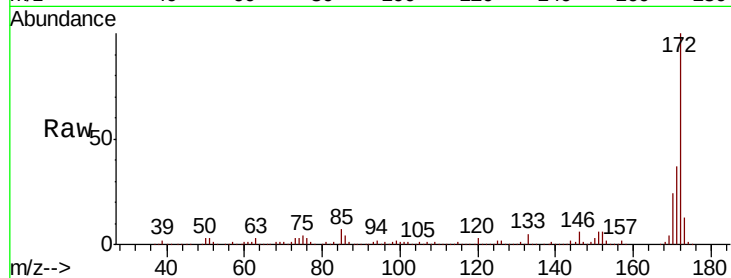




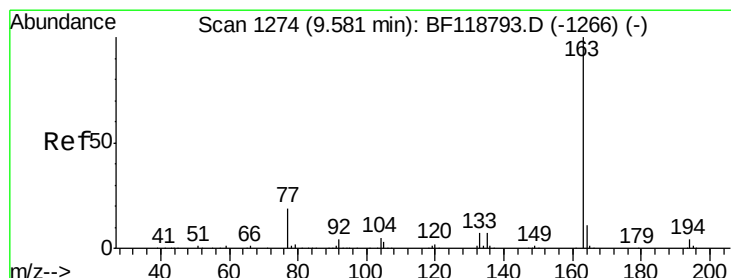
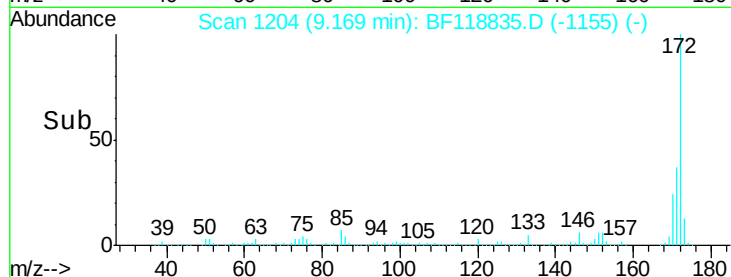
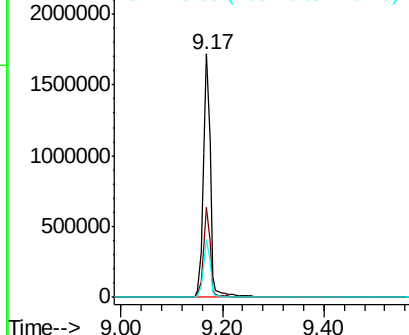
#45
2-Fluorobiphenyl
Concen: 61.259 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF118835.D
Acq: 6 Feb 2020 14:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1680679
Ion Ratio Lower Upper
172 100
171 36.8 30.8 46.2
170 23.9 20.5 30.7

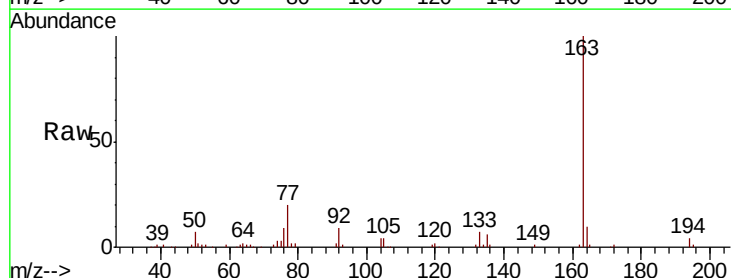


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

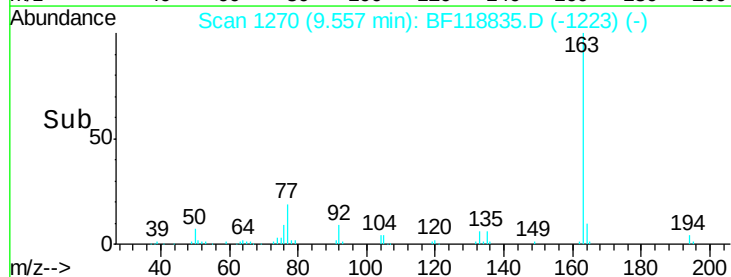
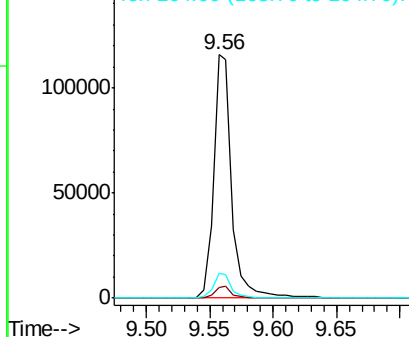


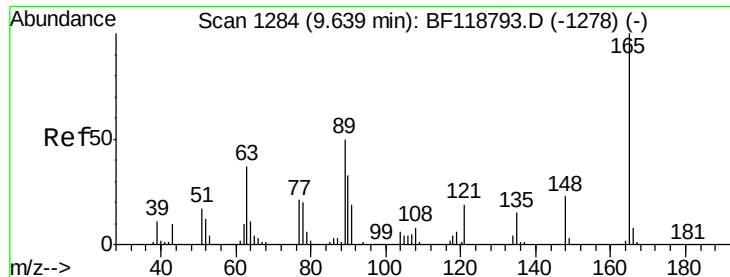
#50
Dimethylphthalate
Concen: 3.493 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BF118835.D
Acq: 6 Feb 2020 14:23

Tgt Ion:163 Resp: 116636
Ion Ratio Lower Upper
163 100
194 4.1 3.6 5.4
164 10.0 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

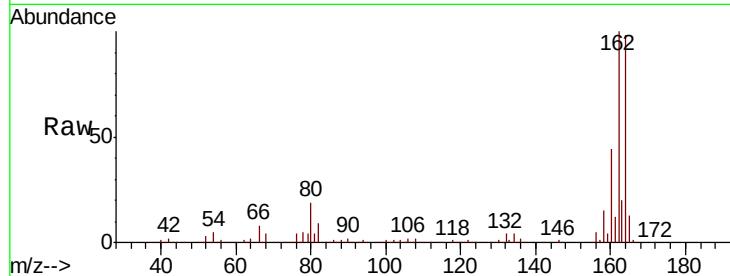




#51
 2,6-Dinitrotoluene
 Concen: 8.447 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.21 min
 Lab File: BF118835.D
 Acq: 6 Feb 2020 14:23

Instrument :
 BNA_F
 ClientSampleId :

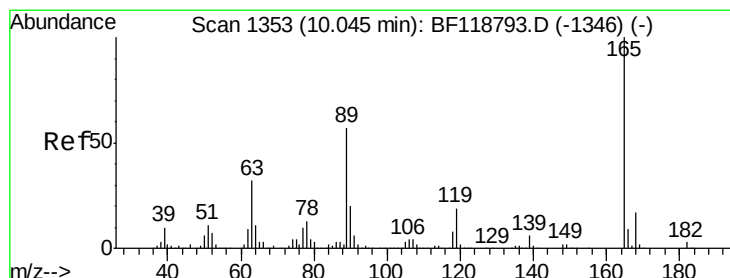
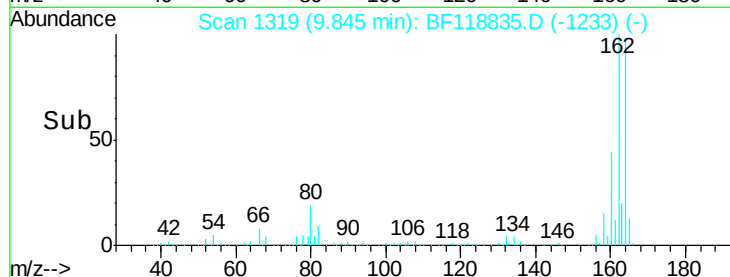
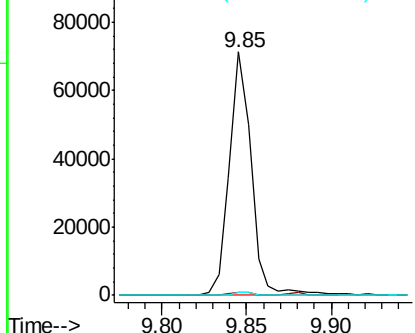
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	37.4	56.0#
89	1.3	39.7	59.5#



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: 6.407 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.20 min
 Lab File: BF118835.D
 Acq: 6 Feb 2020 14:23

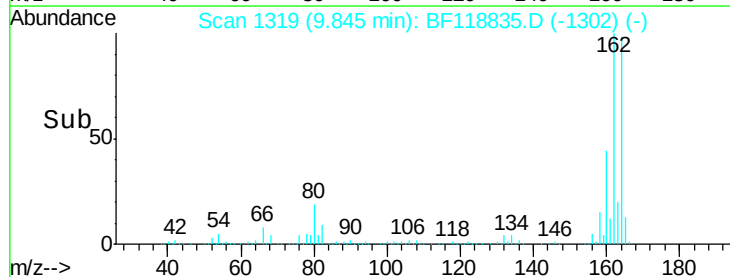
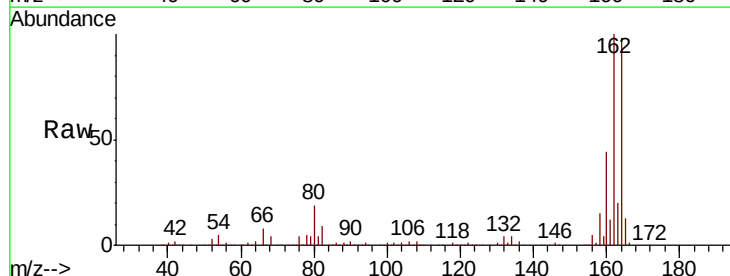
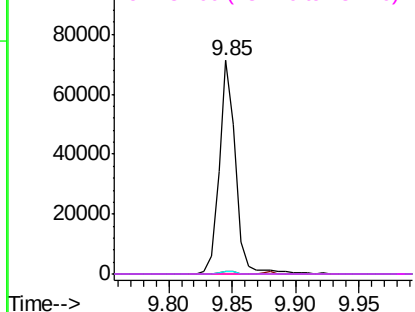
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	25.5	38.3#
89	1.3	45.4	68.0#
182	0.0	2.4	3.6#

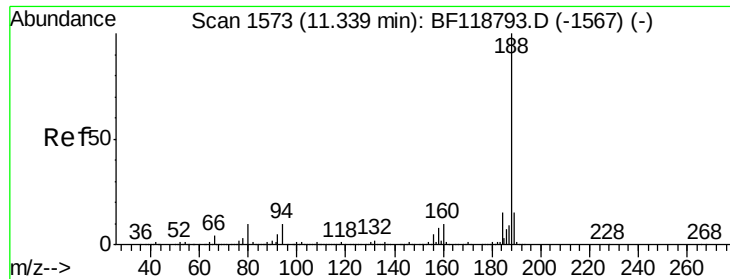
Abundance Ion 165.00 (164.70 to 165.70): E

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

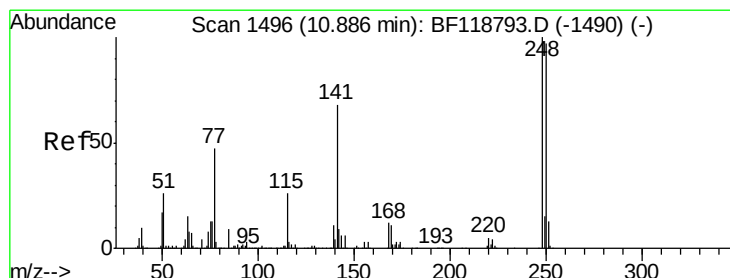
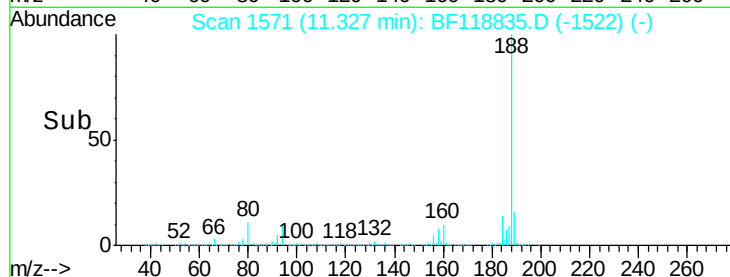
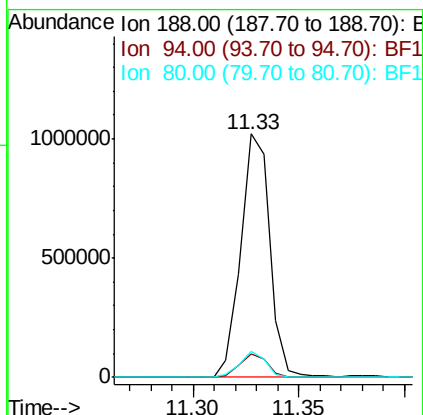
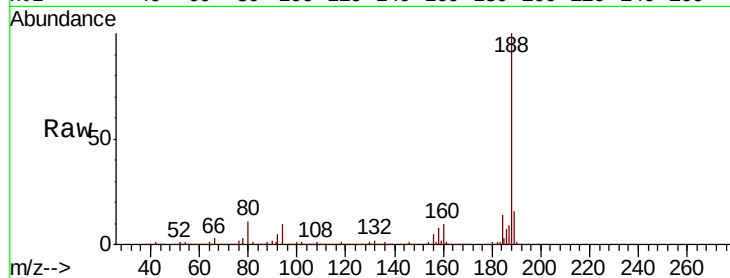




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF118835.D
Acq: 6 Feb 2020 14:23

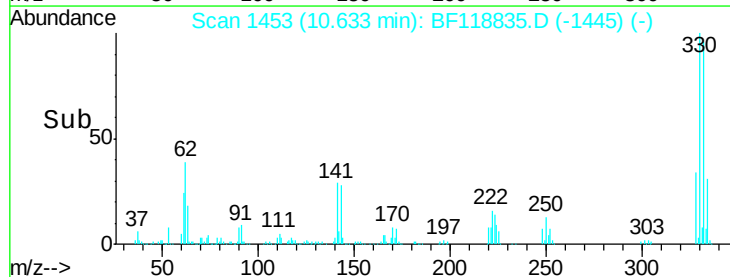
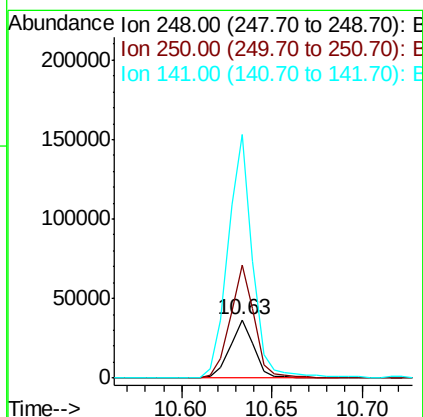
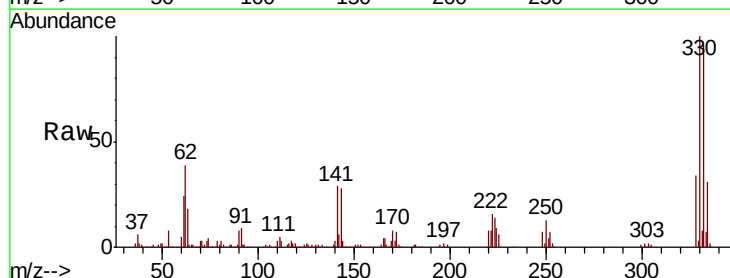
Instrument :
BNA_F
ClientSampleId :

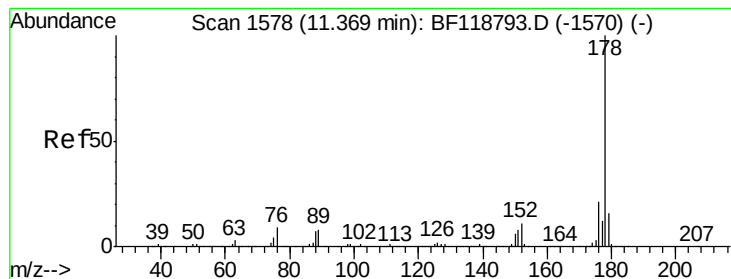
Tot Ion:188 Resp: 974117
Ion Ratio Lower Upper
188 100
94 9.6 7.9 11.9
80 10.6 8.4 12.6



#67
4-Bromophenyl-phenylether
Concen: 2.933 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.25 min
Lab File: BF118835.D
Acq: 6 Feb 2020 14:23

Tgt Ion:248 Resp: 33803
Ion Ratio Lower Upper
248 100
250 193.8 77.6 116.4#
141 415.8 54.4 81.6#





#71

Phenanthrene

Concen: 5.800 ng

RT: 11.35 min Scan# 1575

Delta R.T. -0.02 min

Lab File: BF118835.D

Acq: 6 Feb 2020 14:23

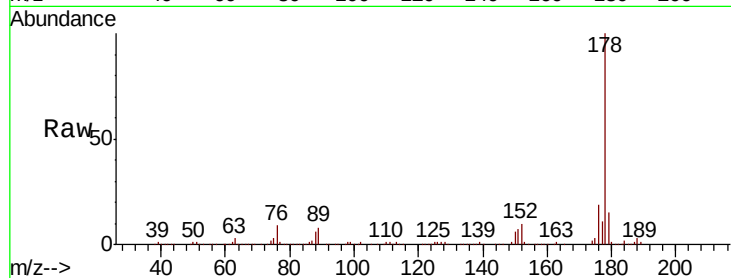
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 277996

Ion	Ratio	Lower	Upper
178	100		
176	18.8	16.6	24.8
179	15.3	13.2	19.8

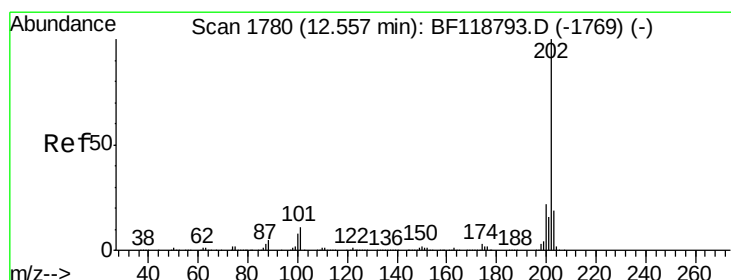
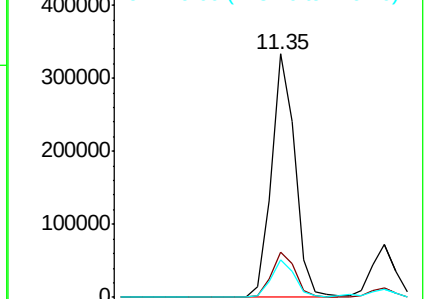
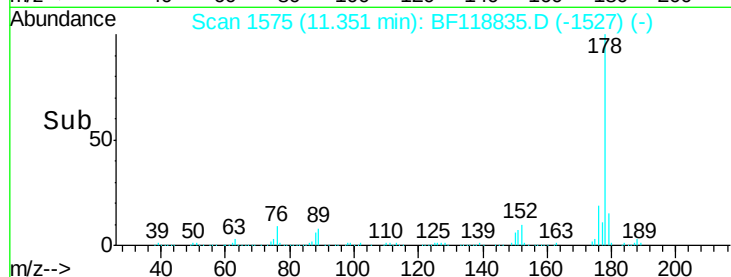


Abundance

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



#75

Fluoranthene

Concen: 8.365 ng

RT: 12.54 min Scan# 1777

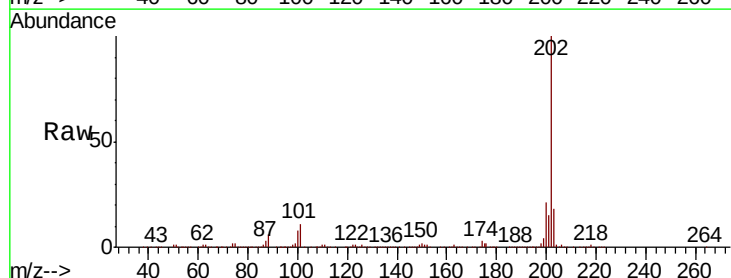
Delta R.T. -0.02 min

Lab File: BF118835.D

Acq: 6 Feb 2020 14:23

Tgt Ion:202 Resp: 437725

Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	31.0
203	17.5	0.0	38.7

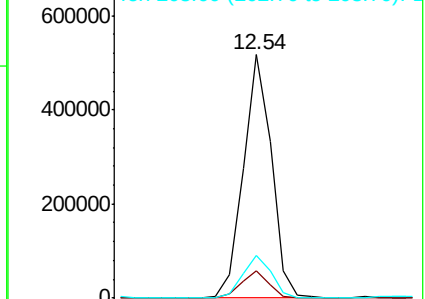
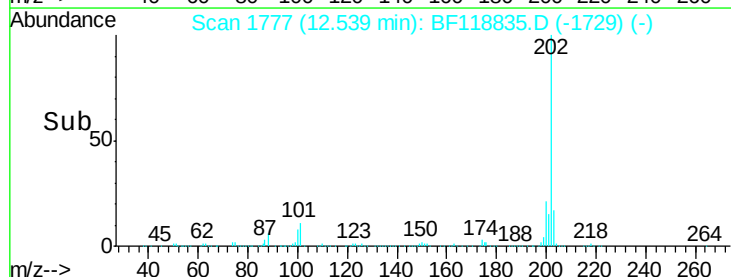


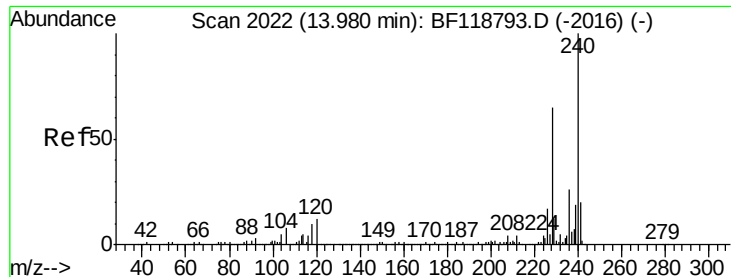
Abundance

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

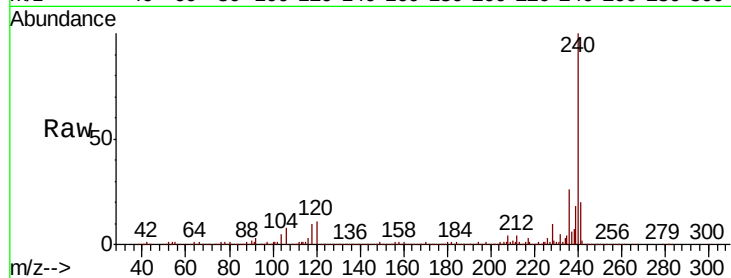




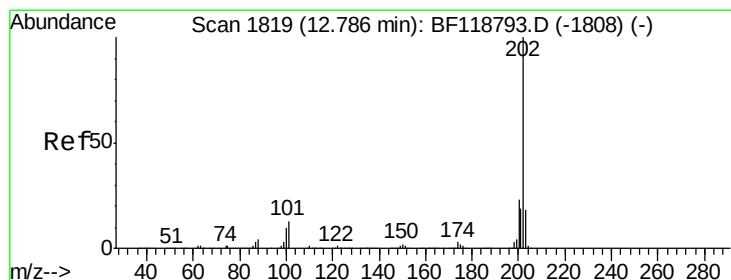
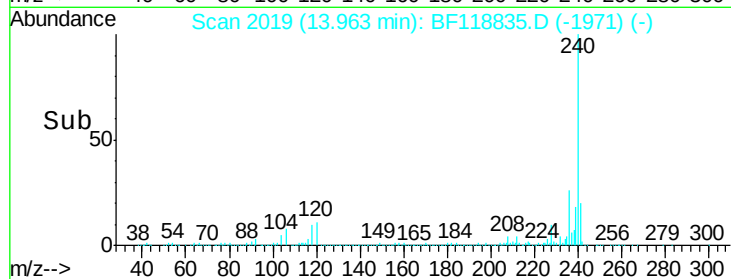
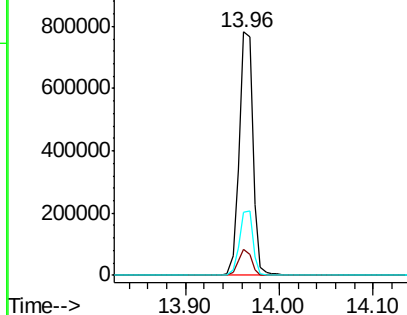
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.02 min
Lab File: BF118835.D
Acq: 6 Feb 2020 14:23

Instrument :
BNA_F
ClientSampled :

Tot Ion:240 Resp: 793872
Ion Ratio Lower Upper
240 100
120 10.9 9.4 14.0
236 25.7 21.0 31.6

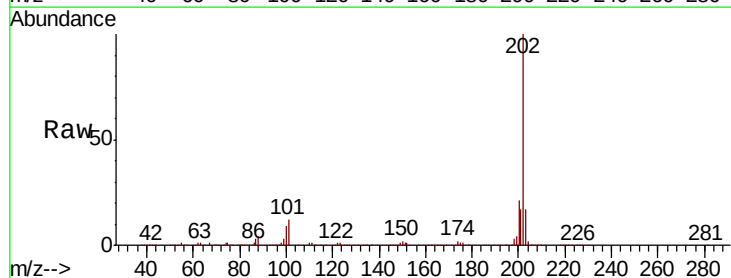


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

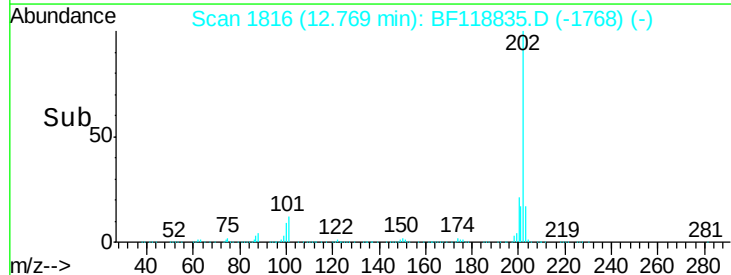
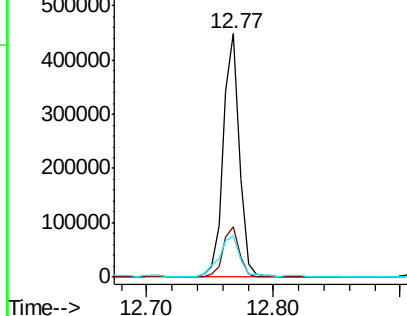


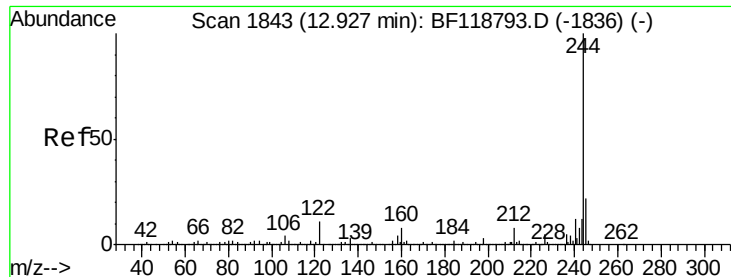
#78
Pyrene
Concen: 7.306 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.02 min
Lab File: BF118835.D
Acq: 6 Feb 2020 14:23

Tgt Ion:202 Resp: 397902
Ion Ratio Lower Upper
202 100
200 20.6 18.2 27.2
203 17.1 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

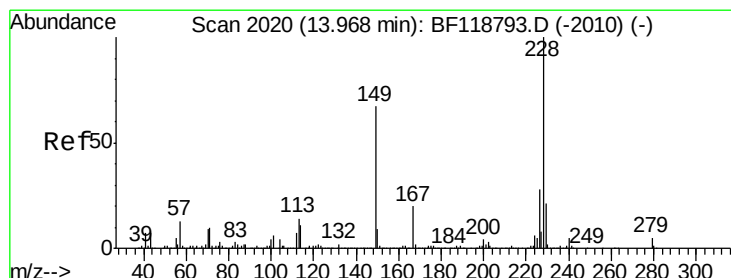
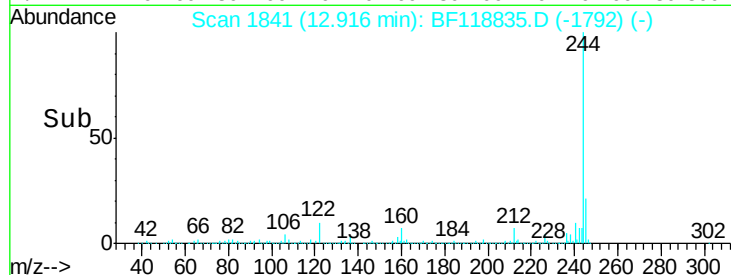
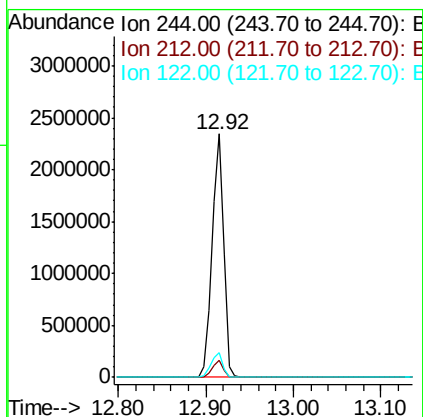
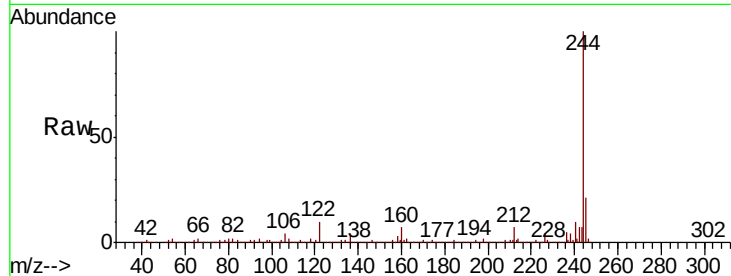




#79
 Terphenyl-d14
 Concen: 56.287 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF118835.D
 Acq: 6 Feb 2020 14:23

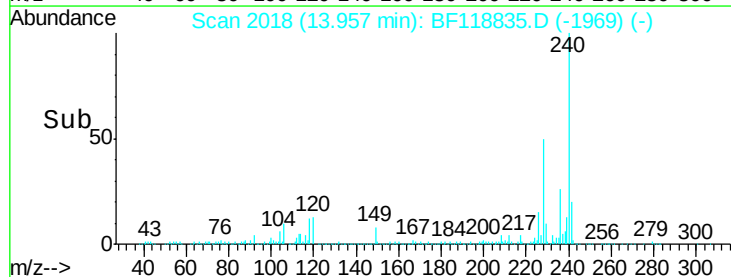
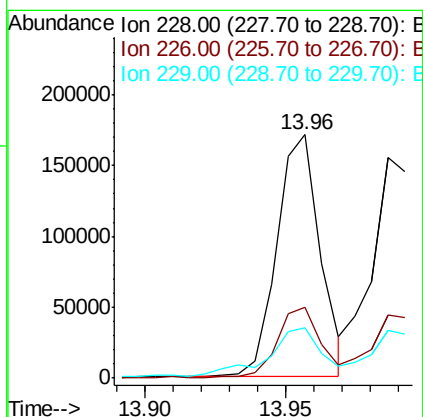
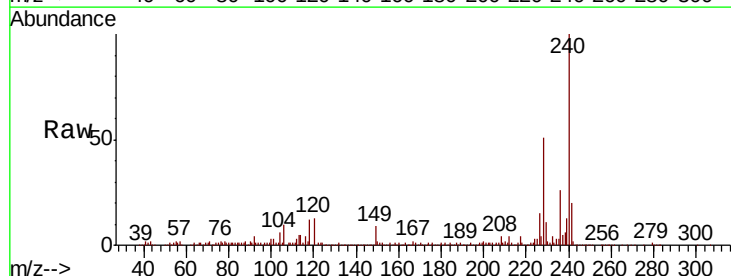
Instrument :
 BNA_F
 ClientSampleId :

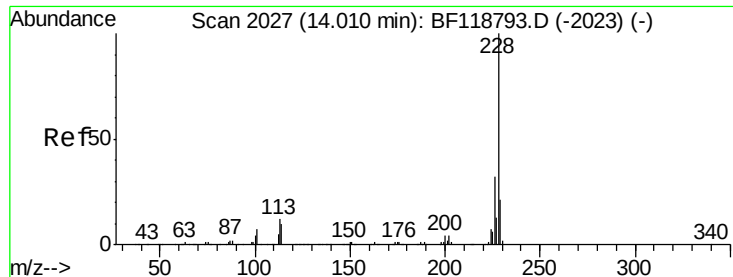
Tot Ion:244 Resp: 2175458
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.5 9.7
 122 10.2 8.9 13.3



#81
 Benzo(a)anthracene
 Concen: 3.823 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. -0.01 min
 Lab File: BF118835.D
 Acq: 6 Feb 2020 14:23

Tgt Ion:228 Resp: 180617
 Ion Ratio Lower Upper
 228 100
 226 29.3 22.7 34.1
 229 20.9 16.6 25.0

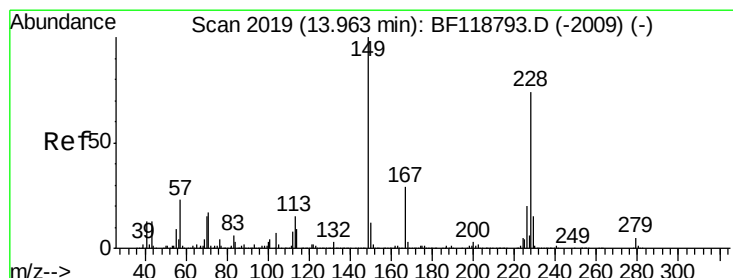
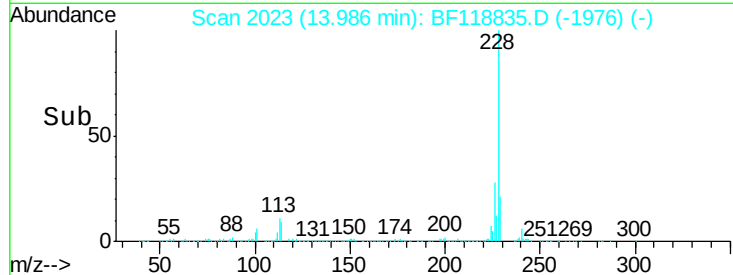
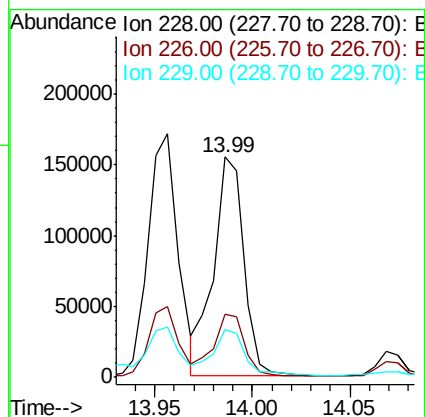
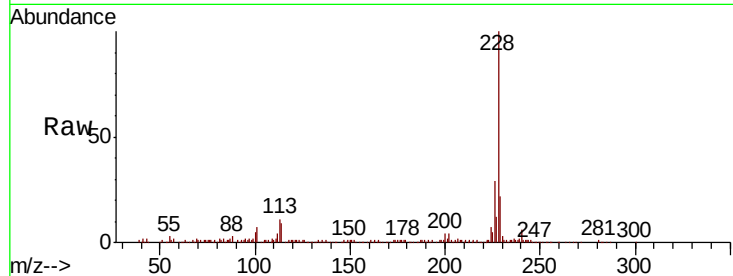




#83
 Chrysene
 Concen: 3.537 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. -0.02 min
 Lab File: BF118835.D
 Acq: 6 Feb 2020 14:23

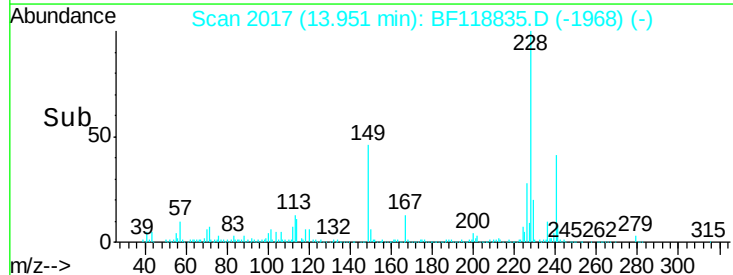
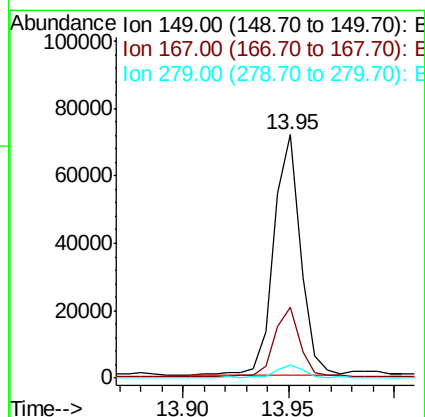
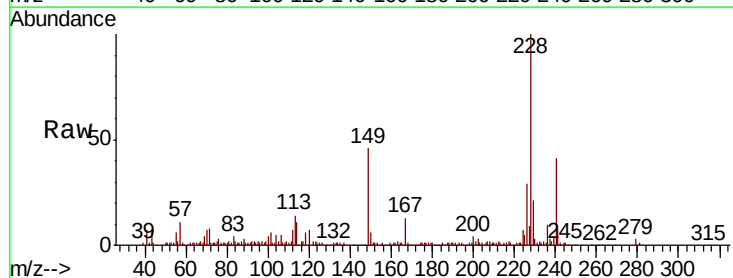
Instrument :
 BNA_F
 ClientSampleId :

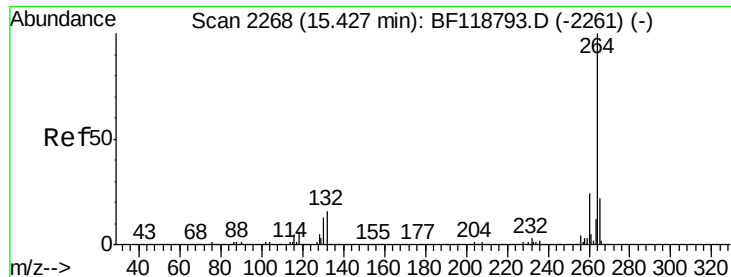
Tot Ion:228 Resp: 167713
 Ion Ratio Lower Upper
 228 100
 226 28.7 25.4 38.0
 229 21.5 16.9 25.3



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.002 ng
 RT: 13.95 min Scan# 2017
 Delta R.T. -0.01 min
 Lab File: BF118835.D
 Acq: 6 Feb 2020 14:23

Tgt Ion:149 Resp: 63142
 Ion Ratio Lower Upper
 149 100
 167 29.1 23.0 34.6
 279 5.6 4.4 6.6





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.41 min Scan# 2265

Delta R.T. -0.02 min

Lab File: BF118835.D

Acq: 6 Feb 2020 14:23

Instrument :

BNA_F

ClientSampleId :

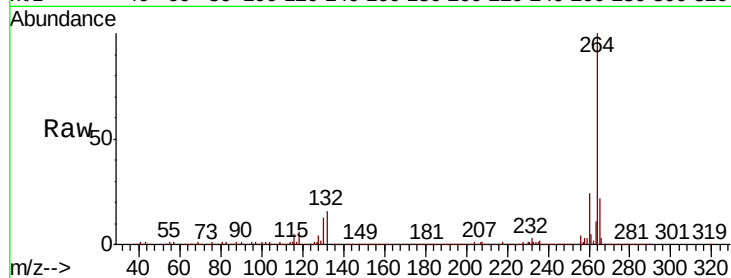
Tot Ion:264 Resp: 762924

Ion Ratio Lower Upper

264 100

260 23.8 19.1 28.7

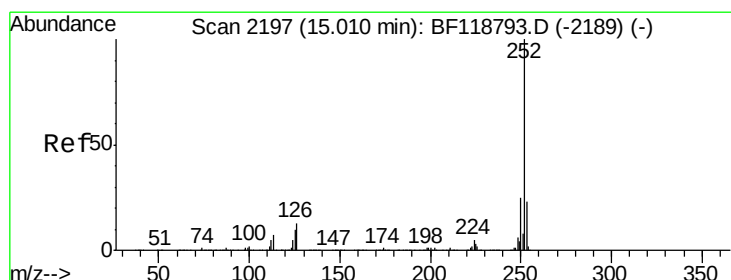
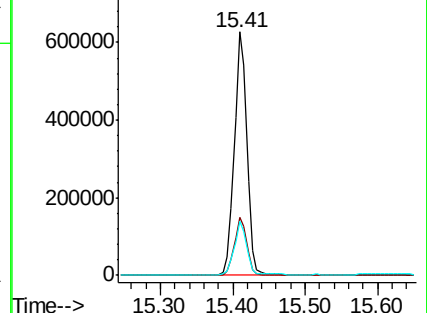
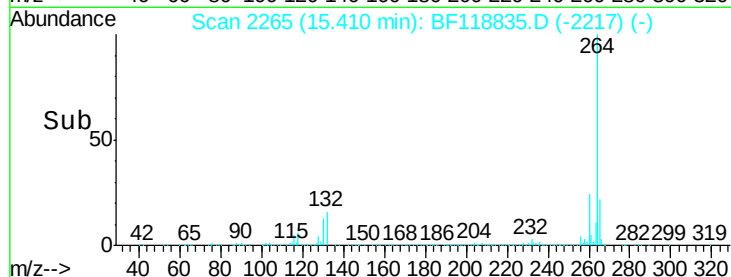
265 22.1 17.2 25.8



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: 5.154 ng

RT: 14.99 min Scan# 2194

Delta R.T. -0.02 min

Lab File: BF118835.D

Acq: 6 Feb 2020 14:23

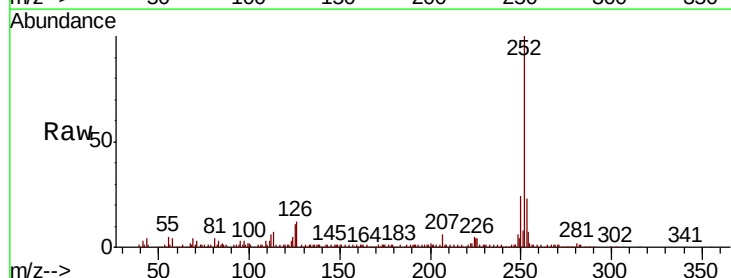
Tgt Ion:252 Resp: 243973

Ion Ratio Lower Upper

252 100

253 23.3 18.4 27.6

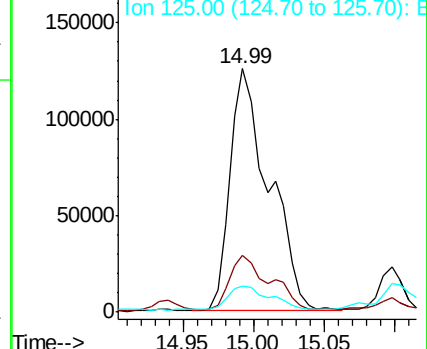
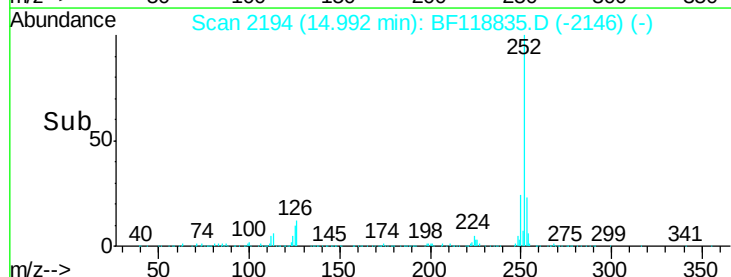
125 10.7 8.1 12.1

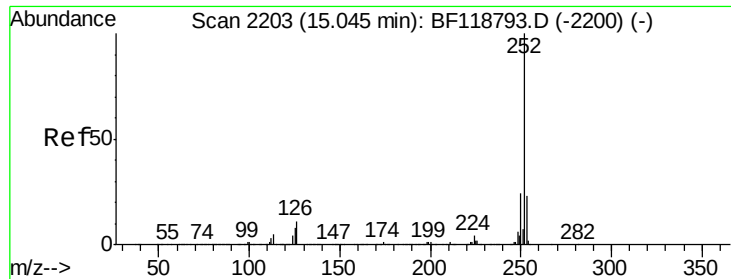


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

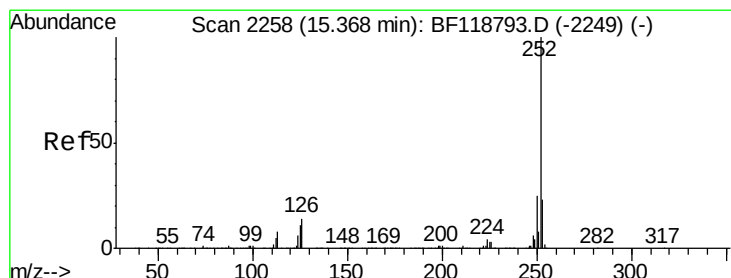
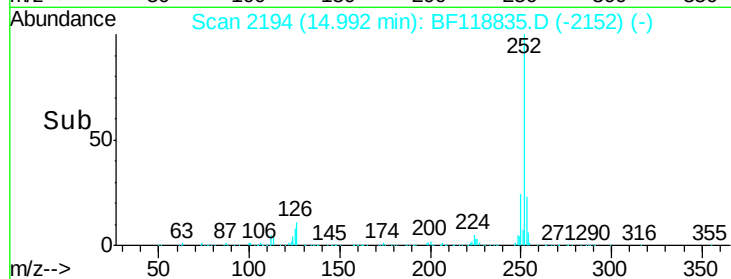
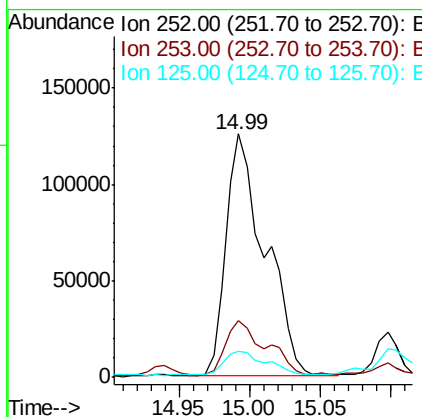
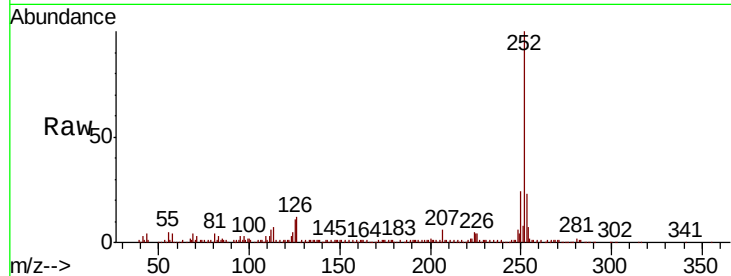




#89
Benzo(k)fluoranthene
Concen: 5.918 ng
RT: 14.99 min Scan# 2194
Delta R.T. -0.05 min
Lab File: BF118835.D
Acq: 6 Feb 2020 14:23

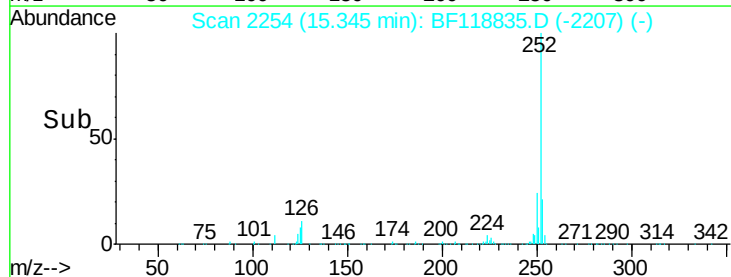
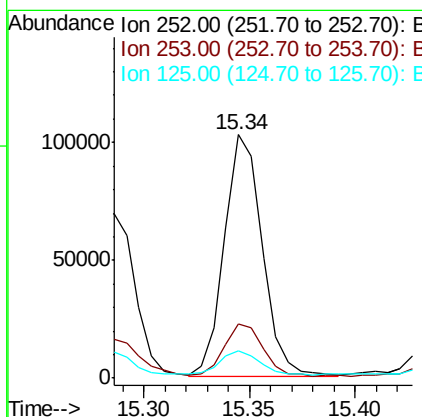
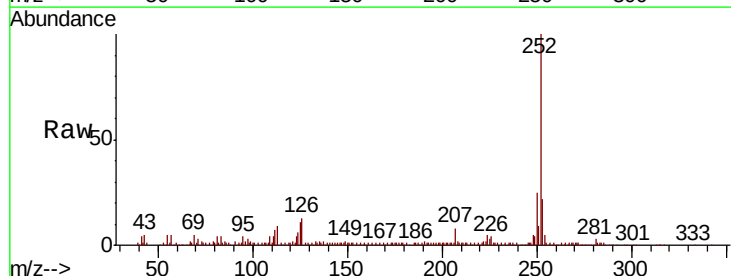
Instrument :
BNA_F
ClientSampleId :

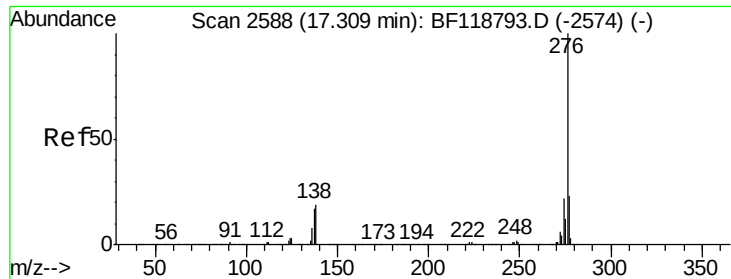
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.2	27.4
125	10.7	7.0	10.6



#90
Benzo(a)pyrene
Concen: 3.141 ng
RT: 15.34 min Scan# 2254
Delta R.T. -0.02 min
Lab File: BF118835.D
Acq: 6 Feb 2020 14:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.1	27.1
125	11.3	8.7	13.1

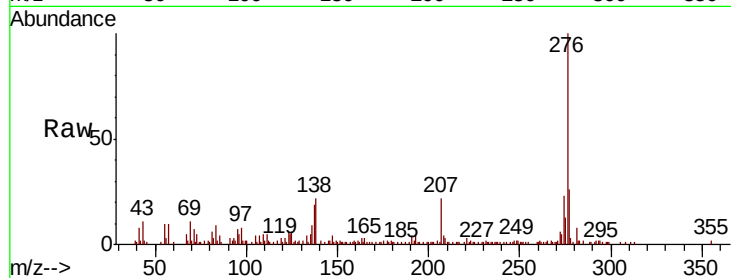




#92
 Benzo(a,h,i)perylene
 Concen: 2.236 ng
 RT: 17.27 min Scan# 2581
 Delta R.T. -0.04 min
 Lab File: BF118835.D
 Acq: 6 Feb 2020 14:23

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	25.6	18.7	28.1	
138	22.1	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

