

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020620\
 Data File : BF118839.D
 Acq On : 6 Feb 2020 16:14
 Operator : CG/JU
 Sample : L1408-10
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 06 21:06:16 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	6.82	152	210206	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	789455	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	445804	20.00	ng	-0.01
64) Phenanthrene-d10	11.33	188	833842	20.00	ng	-0.01
76) Chrysene-d12	13.97	240	608250	20.00	ng	-0.01
87) Perylene-d12	15.42	264	728544	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1120128	100.87	ng	0.00
7) Phenol-d6	6.45	99	1350020	97.93	ng	0.00
23) Nitrobenzene-d5	7.37	82	887114	66.98	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	504928	94.66	ng	-0.01
45) 2-Fluorobiphenyl	9.17	172	1815905	72.82	ng	-0.01
79) Terphenyl-d14	12.92	244	2131745	71.99	ng	-0.01

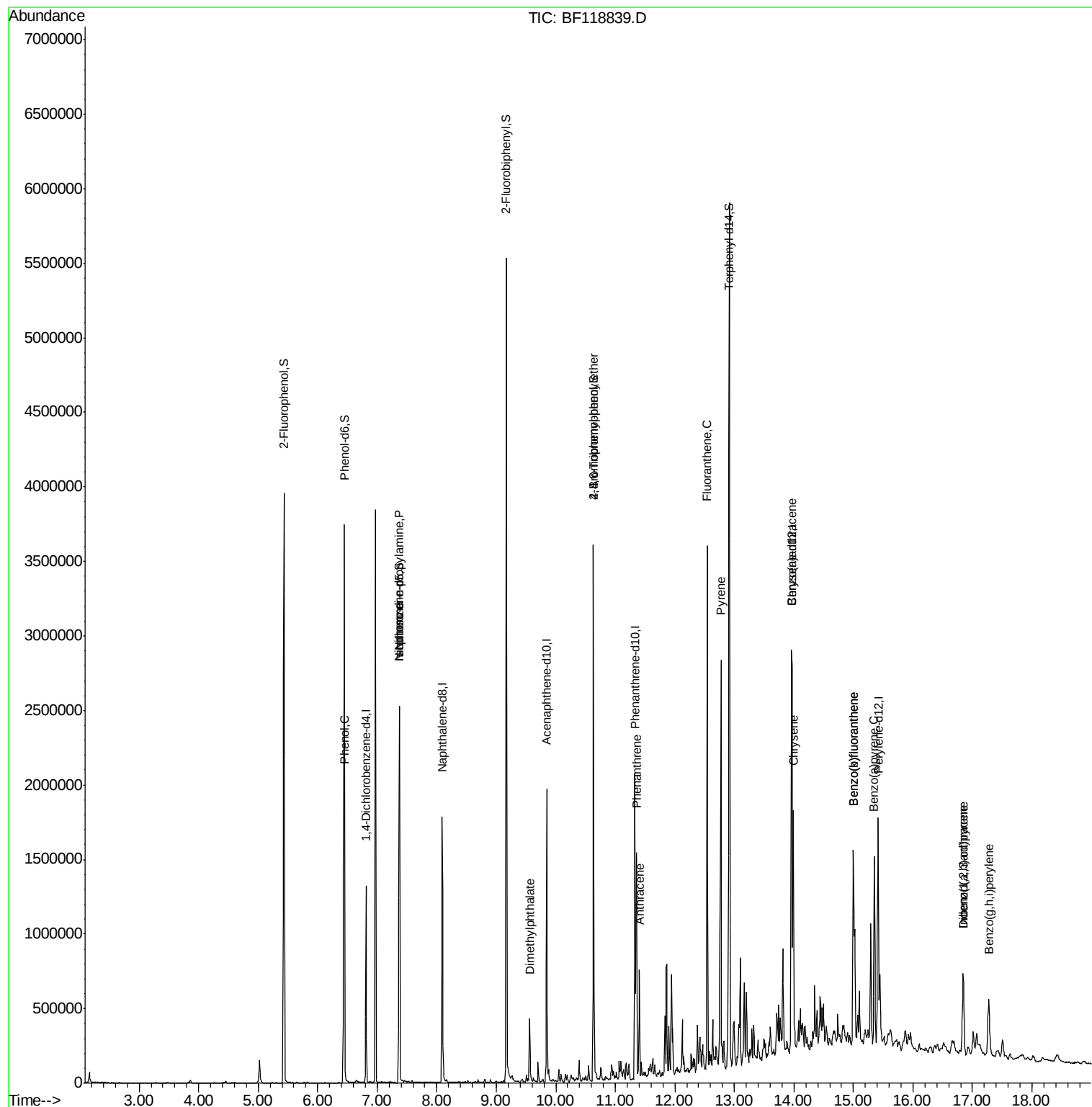
Target Compounds				Qvalue		
9) Benzaldehyde	6.36	77	152	Below Cal	#	64
10) Phenol	6.46	94	46326	3.022 ng		93
19) n-Nitroso-di-n-propylamine	7.37	70	121202	14.370 ng	#	77
25) Isophorone	7.37	82	887098	37.267 ng	#	63
50) Dimethylphthalate	9.56	163	192083	6.328 ng		97
67) 4-Bromophenyl-phenylether	10.63	248	32085	3.253 ng	#	1
71) Phenanthrene	11.36	178	609436	14.855 ng		97
72) Anthracene	11.40	178	256340	6.281 ng		96
75) Fluoranthene	12.54	202	1351470	30.171 ng		99
78) Pyrene	12.77	202	1224638	29.348 ng		98
81) Benzo(a)anthracene	13.96	228	738565	20.405 ng		94
83) Chrysene	13.99	228	610808	16.814 ng		97
86) Indeno(1,2,3-cd)pyrene	16.84	276	374327	10.256 ng		95
88) Benzo(b)fluoranthene	15.00	252	1067379	23.611 ng		99
89) Benzo(k)fluoranthene	15.00	252	1067379	27.114 ng		98
90) Benzo(a)pyrene	15.35	252	611473	15.805 ng		99
91) Dibenzo(a,h)anthracene	16.85	278	108305	3.153 ng		92
92) Benzo(g,h,i)perylene	17.27	276	322908	9.776 ng		99

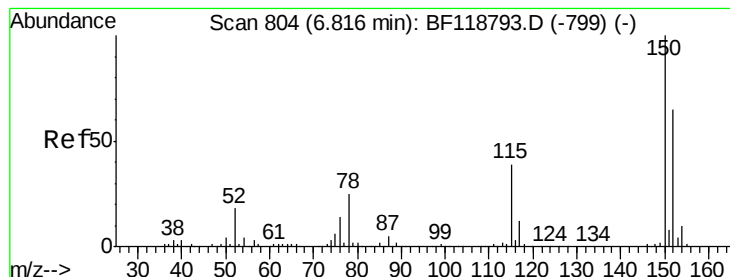
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020620\
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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Feb 06 21:06:16 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



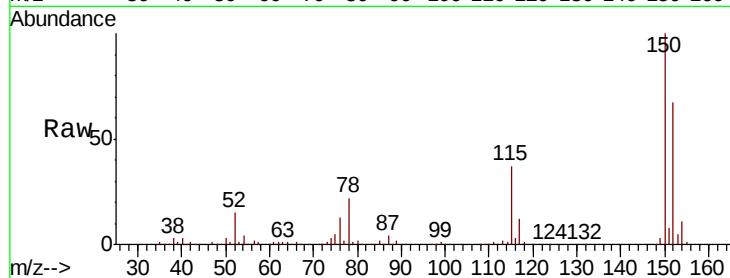


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.00 min
Lab File: BF118839.D
Acq: 6 Feb 2020 16:14

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.6	123.6	185.4
115	55.7	48.2	72.2

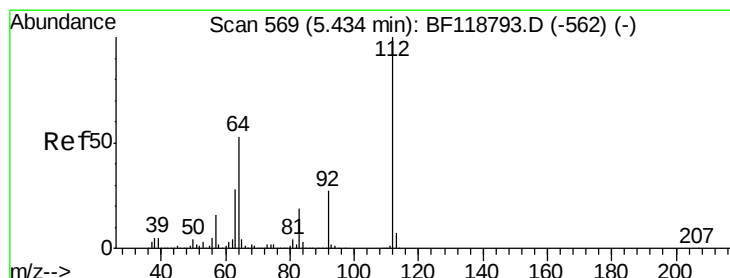
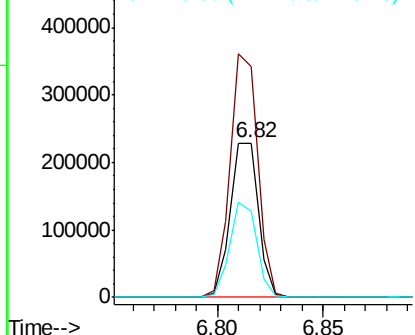
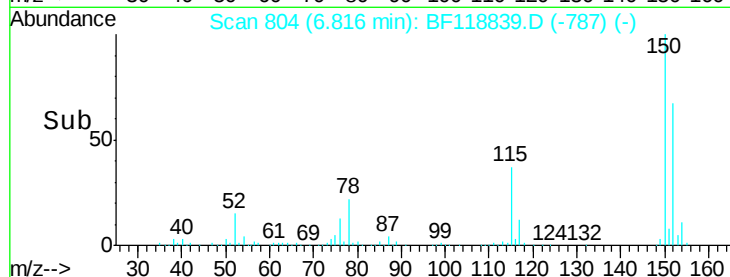


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

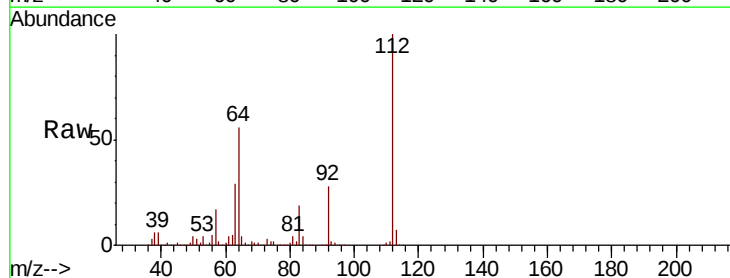
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 100.869 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.00 min
Lab File: BF118839.D
Acq: 6 Feb 2020 16:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.0	42.6	63.8
63	29.2	22.2	33.4

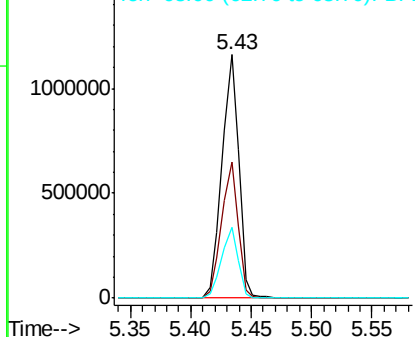
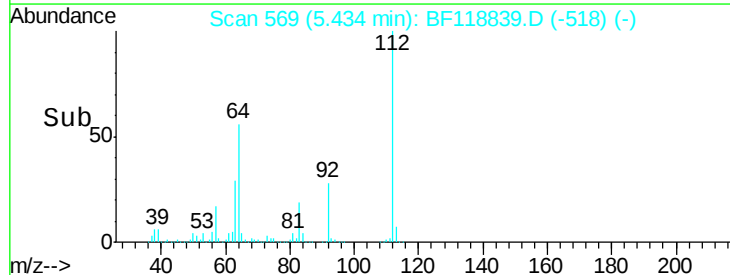


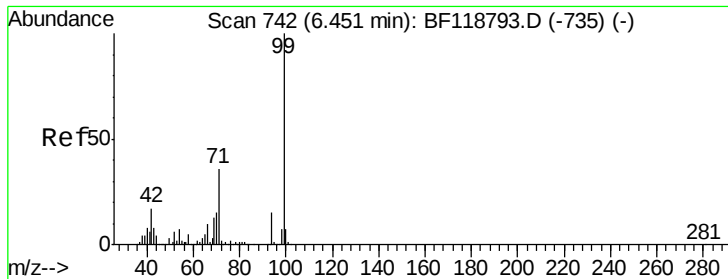
Abundance

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: 97.934 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF118839.D

Acq: 6 Feb 2020 16:14

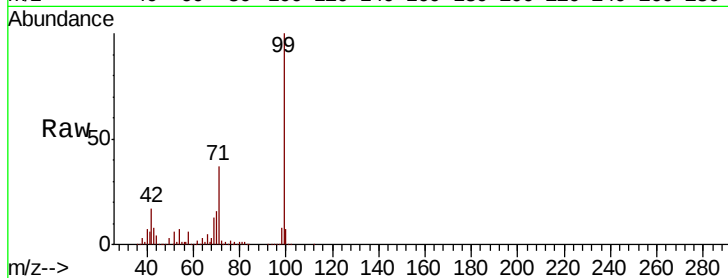
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1350020

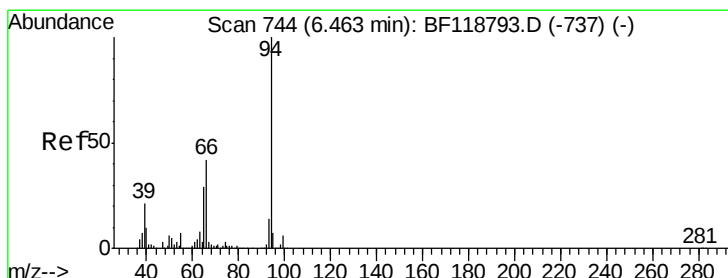
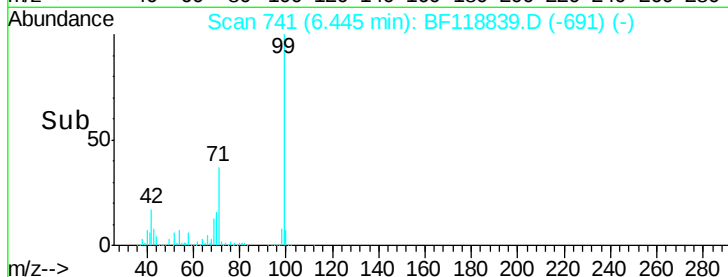
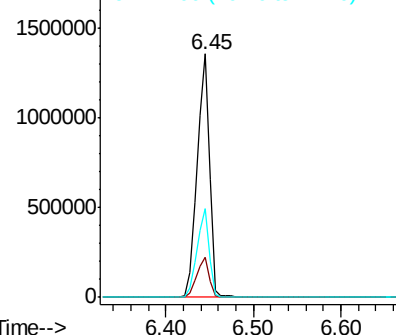
Ion	Ratio	Lower	Upper
99	100		
42	16.6	13.4	20.0
71	36.7	29.0	43.6



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: 3.022 ng

RT: 6.46 min Scan# 743

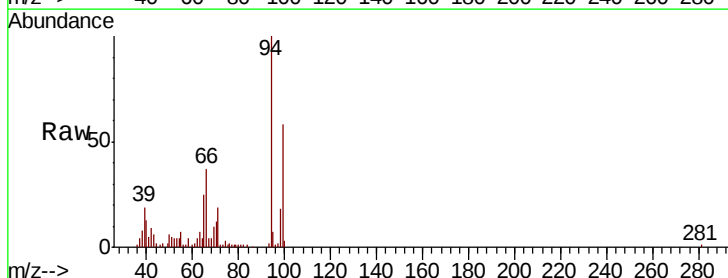
Delta R.T. -0.01 min

Lab File: BF118839.D

Acq: 6 Feb 2020 16:14

Tgt Ion: 94 Resp: 46326

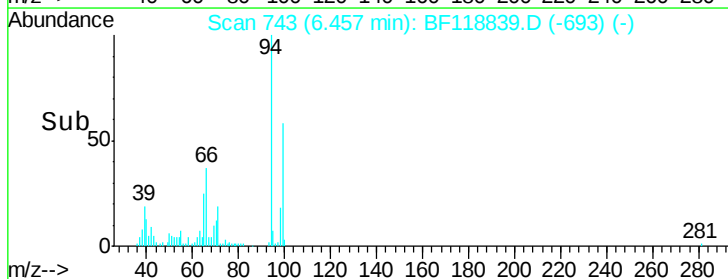
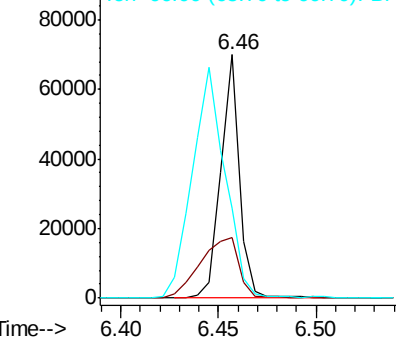
Ion	Ratio	Lower	Upper
94	100		
65	25.1	9.1	49.1
66	37.1	21.7	61.7

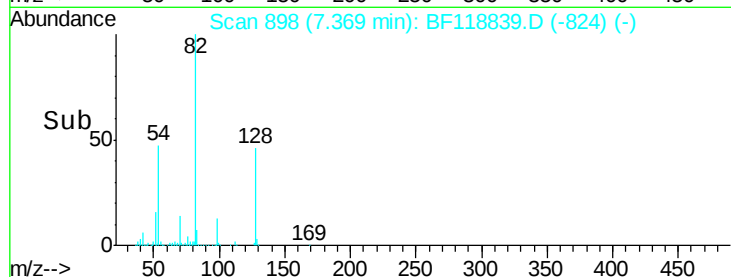
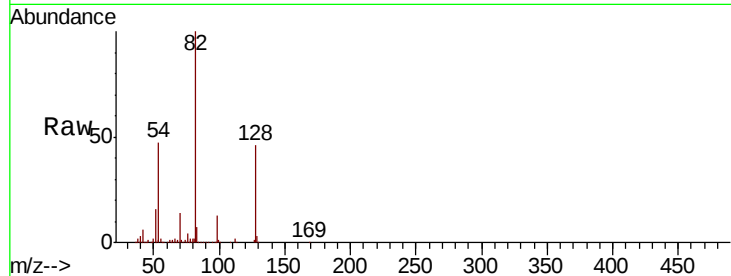
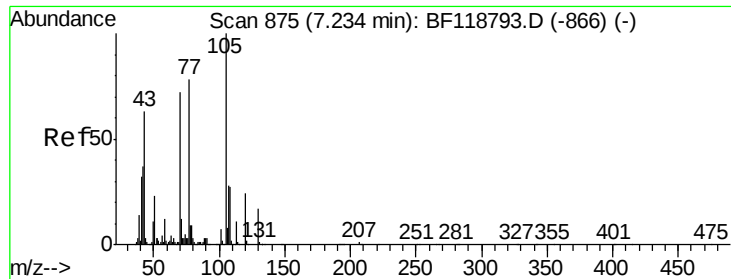


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

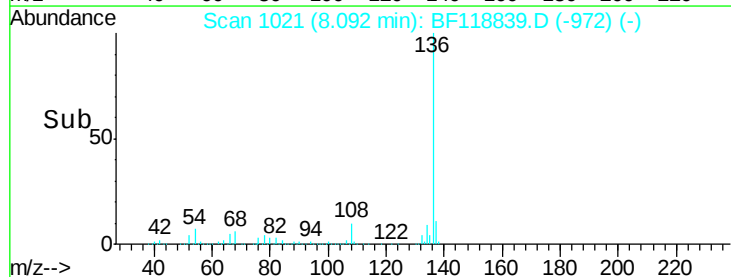
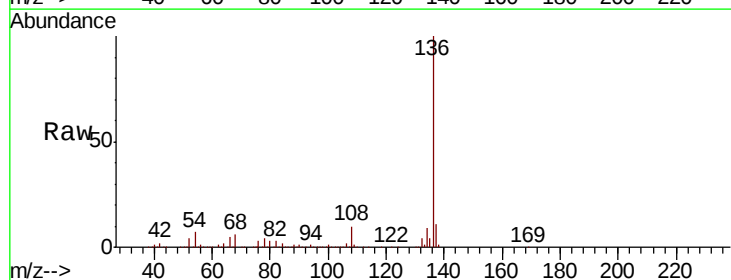
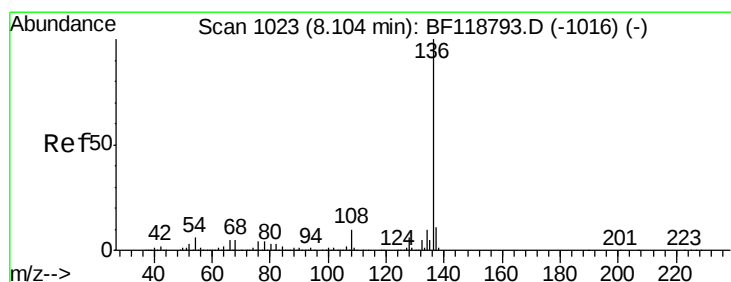
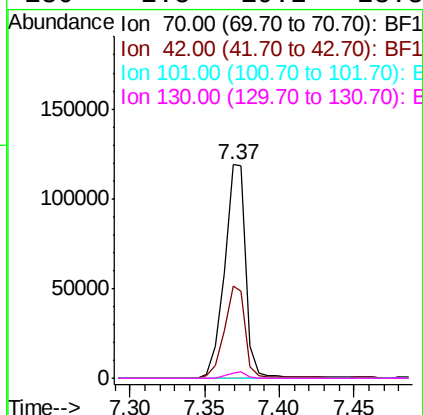




#19
n-Nitroso-di-n-propylamine
Concen: 14.370 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.14 min
Lab File: BF118839.D
Acq: 6 Feb 2020 16:14

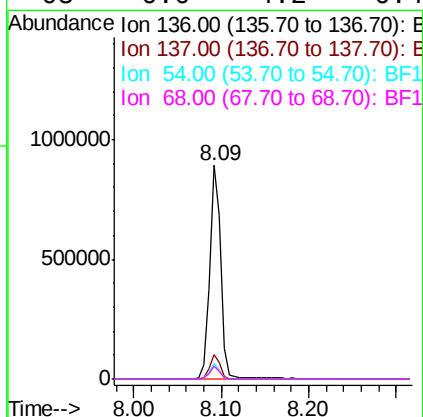
Instrument :
BNA_F
ClientSampleId :

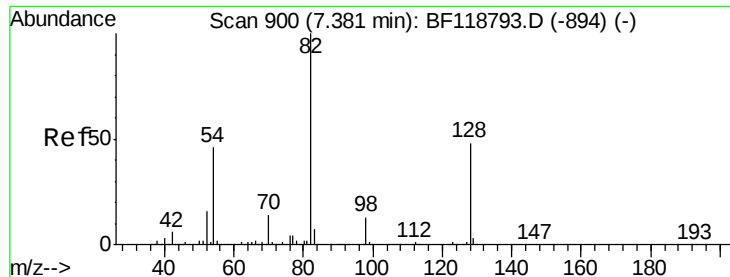
Tot Ion	Ratio	Lower	Upper
70	100		
42	43.3	41.5	62.3
101	0.0	8.3	12.5#
130	2.5	19.2	28.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF118839.D
Acq: 6 Feb 2020 16:14

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.7	13.1
54	7.0	5.0	7.6
68	6.0	4.2	6.4

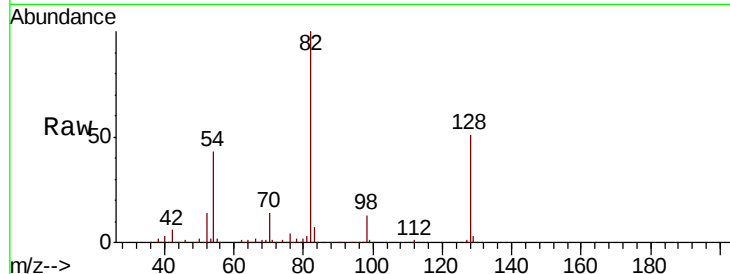




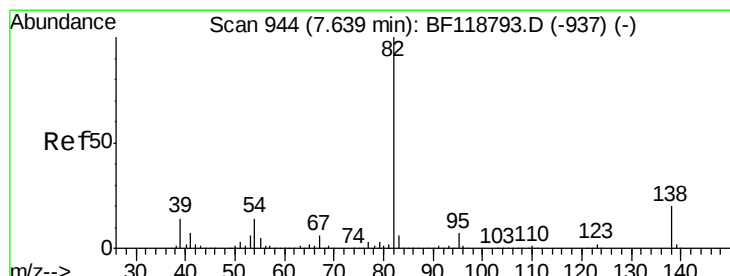
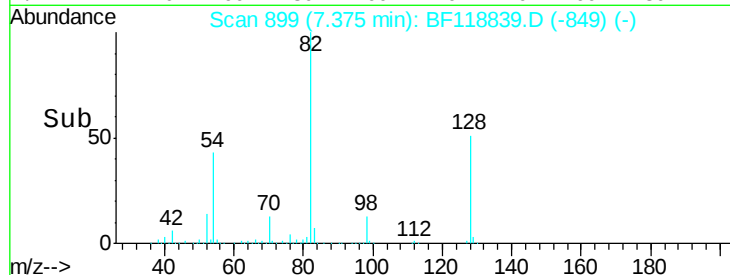
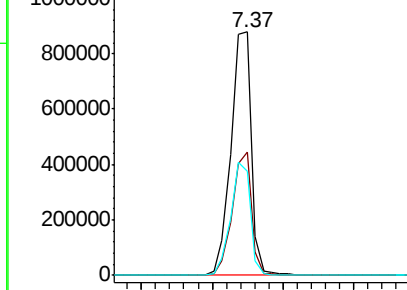
#23
Nitrobenzene-d5
Concen: 66.978 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF118839.D
Acq: 6 Feb 2020 16:14

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	887114
Ion Ratio	100	Lower	Upper
128	50.6	38.5	57.7
54	42.7	36.7	55.1

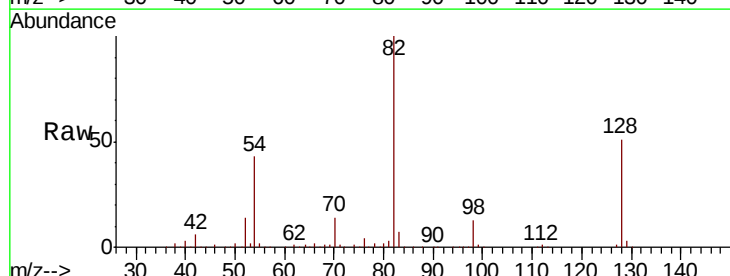


Abundance Ion 82.00 (81.70 to 82.70): BF1
1200000
Ion 128.00 (127.70 to 128.70): BF1
1000000
Ion 54.00 (53.70 to 54.70): BF1

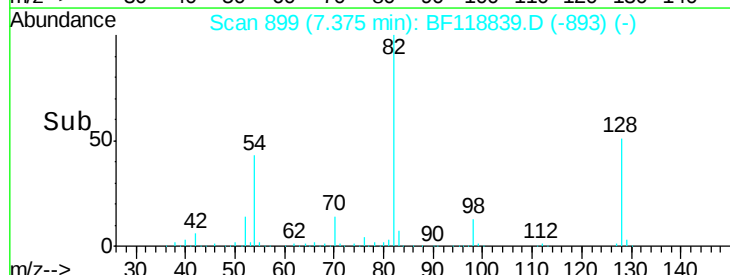
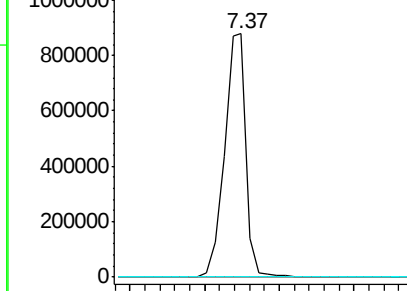


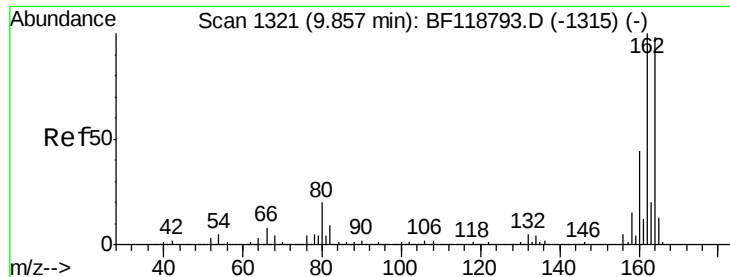
#25
Isophorone
Concen: 37.267 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.26 min
Lab File: BF118839.D
Acq: 6 Feb 2020 16:14

Tgt Ion	82	Resp	887098
Ion Ratio	100	Lower	Upper
95	0.0	6.0	9.0#
138	0.0	15.7	23.5#



Abundance Ion 82.00 (81.70 to 82.70): BF1
1200000
Ion 95.00 (94.70 to 95.70): BF1
1000000
Ion 138.00 (137.70 to 138.70): BF1

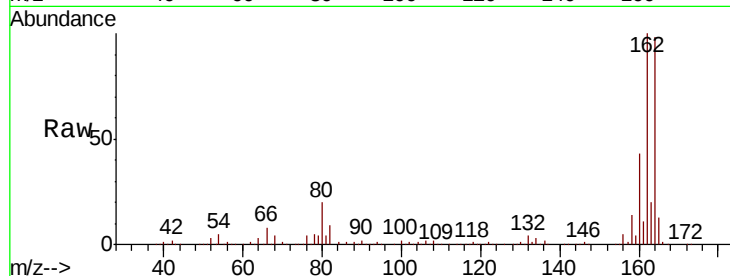




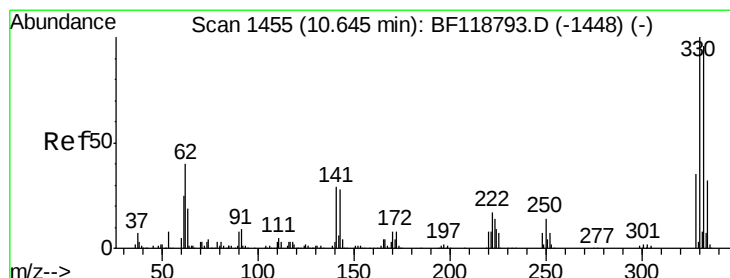
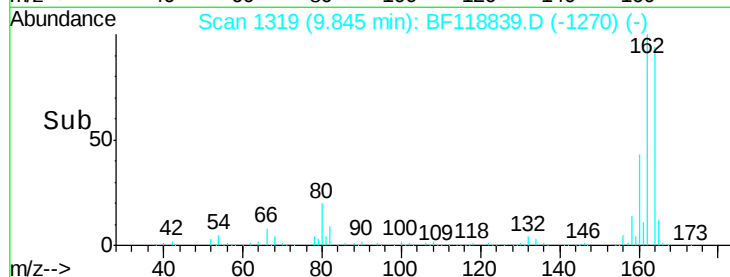
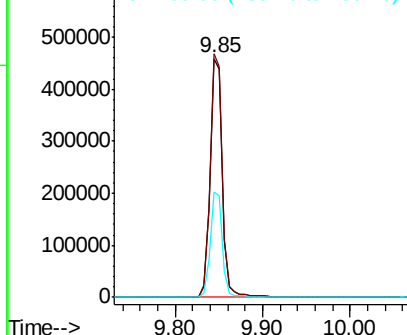
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: BF118839.D
 Acq: 6 Feb 2020 16:14

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 445804
 Ion Ratio Lower Upper
 164 100
 162 101.9 81.4 122.2
 160 44.2 35.6 53.4

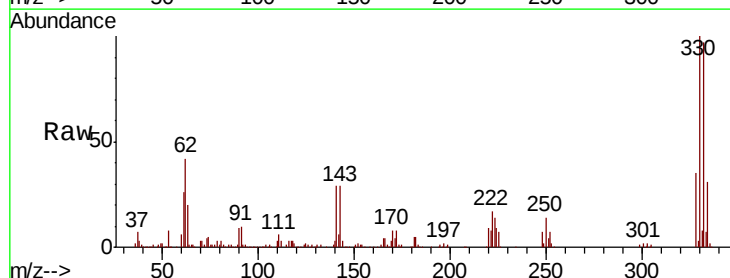


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

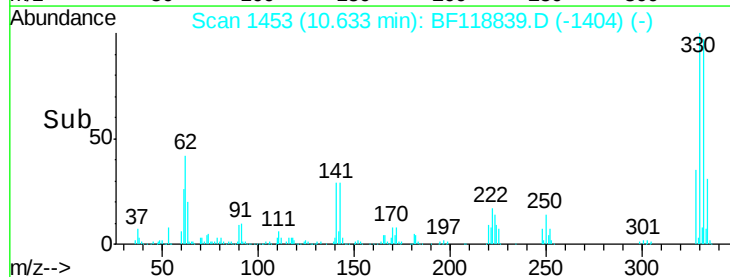
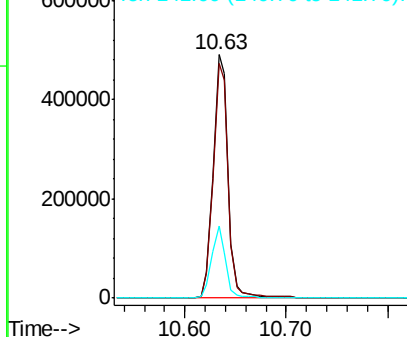


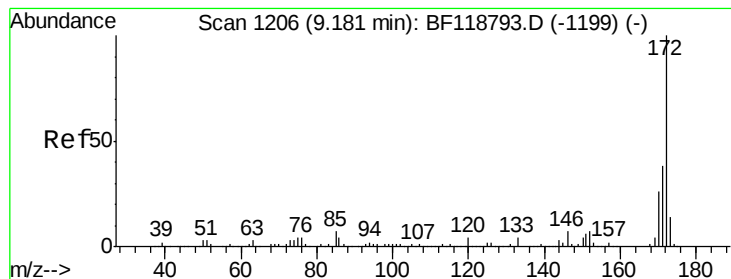
#42
 2,4,6-Tribromophenol
 Concen: 94.659 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF118839.D
 Acq: 6 Feb 2020 16:14

Tgt Ion:330 Resp: 504928
 Ion Ratio Lower Upper
 330 100
 332 96.9 77.3 115.9
 141 28.1 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: 72.819 ng

RT: 9.17 min Scan# 1204

Delta R.T. -0.01 min

Lab File: BF118839.D

Acq: 6 Feb 2020 16:14

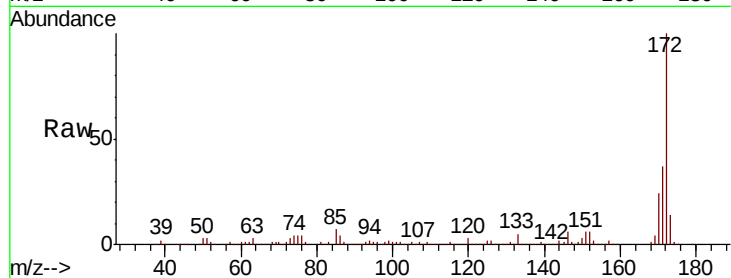
Instrument :

BNA_F

ClientSampled :

Tot Ion:172 Resp: 1815905

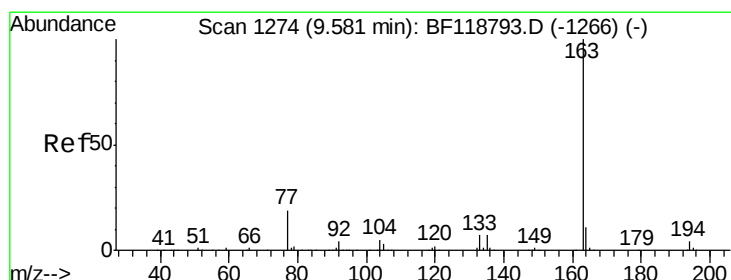
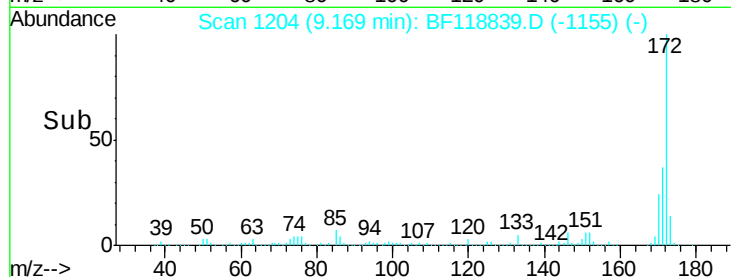
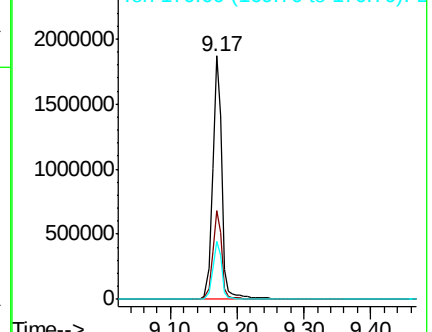
Ion	Ratio	Lower	Upper
172	100		
171	36.5	30.8	46.2
170	23.9	20.5	30.7



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: 6.328 ng

RT: 9.56 min Scan# 1271

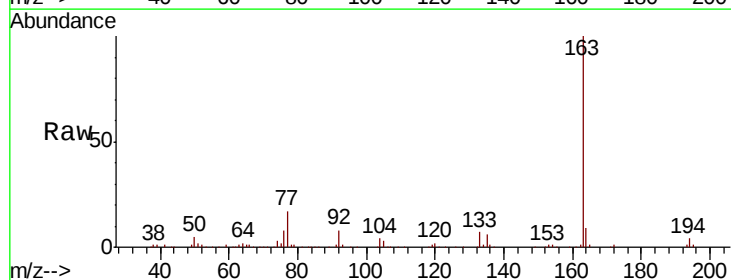
Delta R.T. -0.02 min

Lab File: BF118839.D

Acq: 6 Feb 2020 16:14

Tgt Ion:163 Resp: 192083

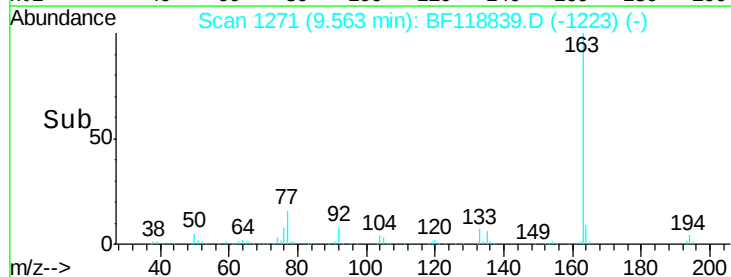
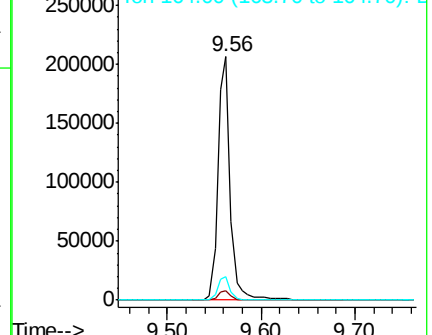
Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.6	5.4
164	9.4	8.7	13.1

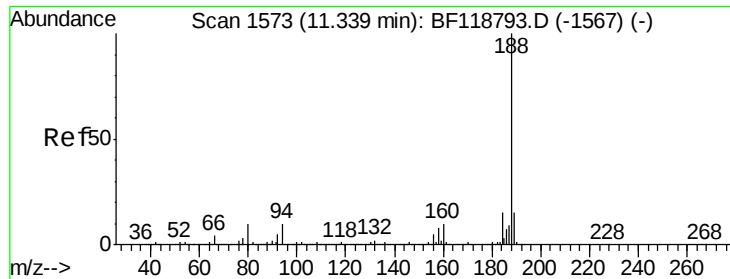


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

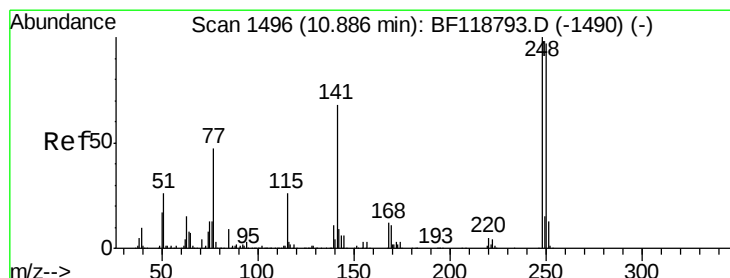
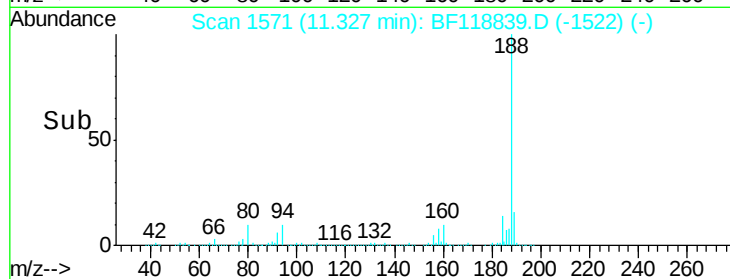
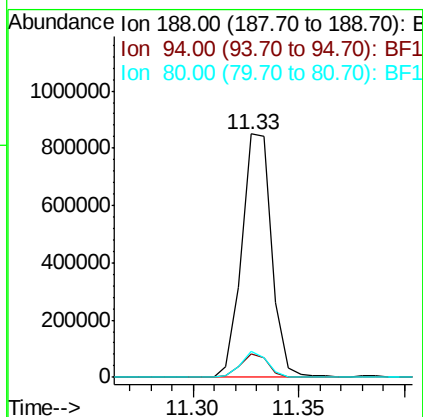
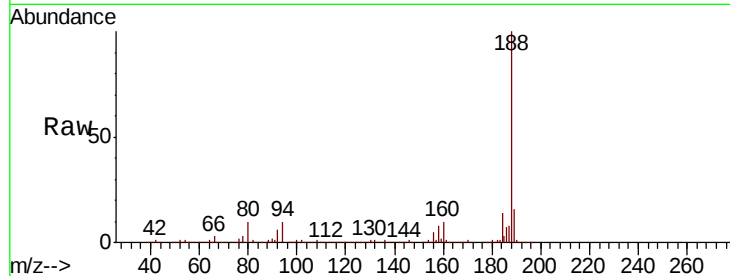




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF118839.D
 Acq: 6 Feb 2020 16:14

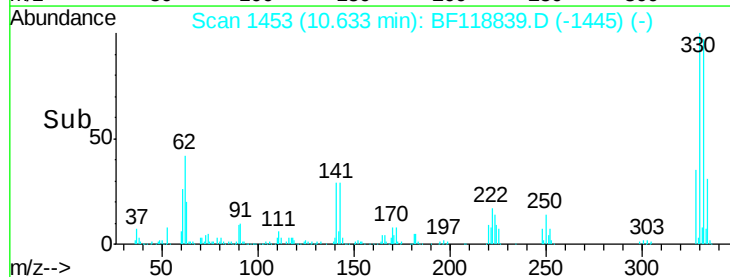
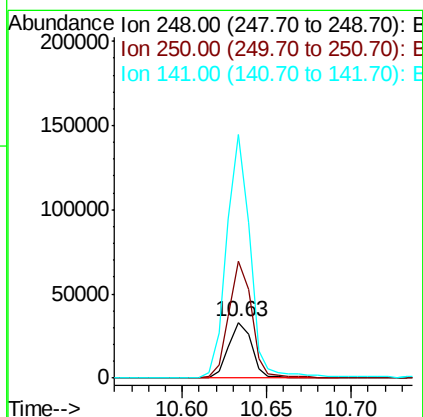
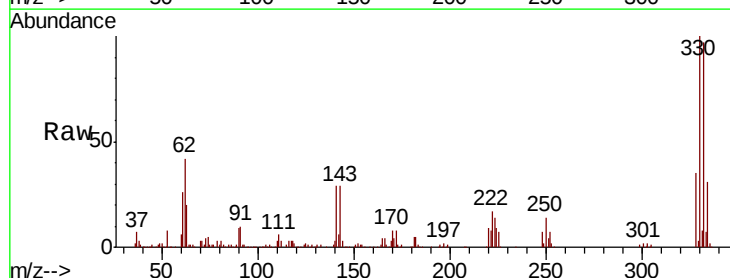
Instrument :
 BNA_F
 ClientSampleId :

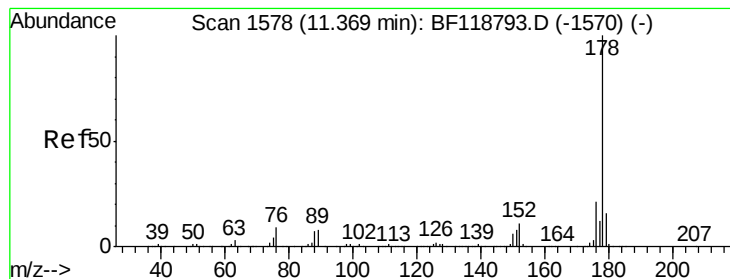
Tot Ion:188 Resp: 833842
 Ion Ratio Lower Upper
 188 100
 94 9.8 7.9 11.9
 80 10.5 8.4 12.6



#67
 4-Bromophenyl-phenylether
 Concen: 3.253 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.25 min
 Lab File: BF118839.D
 Acq: 6 Feb 2020 16:14

Tgt Ion:248 Resp: 32085
 Ion Ratio Lower Upper
 248 100
 250 208.3 77.6 116.4#
 141 434.9 54.4 81.6#





#71

Phenanthrene

Concen: 14.855 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF118839.D

Acq: 6 Feb 2020 16:14

Instrument :

BNA_F

ClientSampleId :

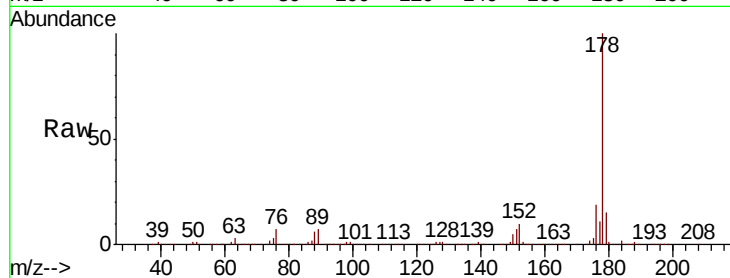
Tot Ion:178 Resp: 609436

Ion Ratio Lower Upper

178 100

176 18.9 16.6 24.8

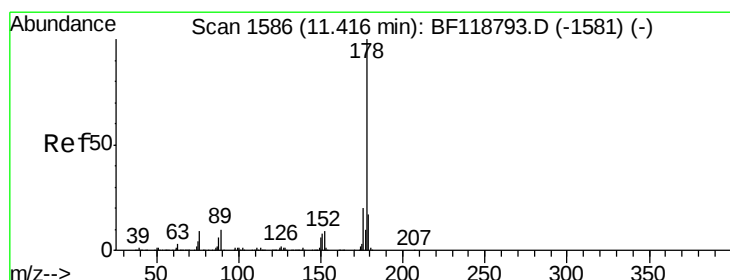
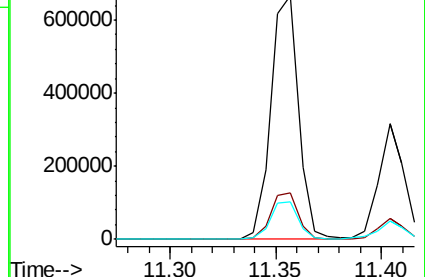
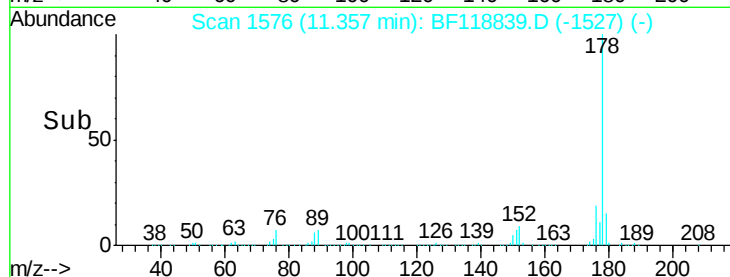
179 15.2 13.2 19.8



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: 6.281 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF118839.D

Acq: 6 Feb 2020 16:14

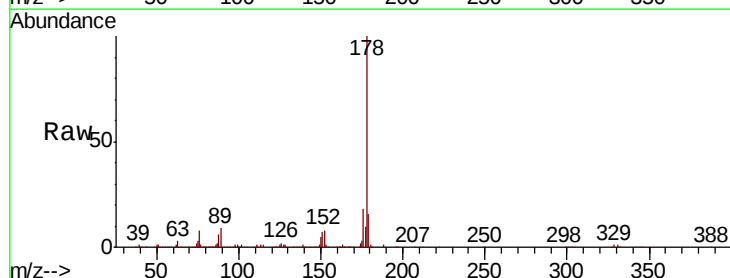
Tgt Ion:178 Resp: 256340

Ion Ratio Lower Upper

178 100

176 18.0 16.2 24.2

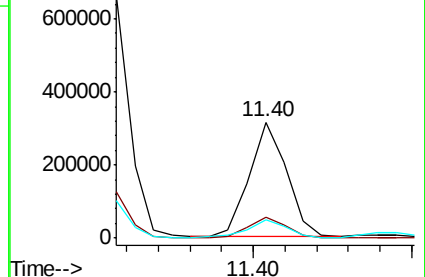
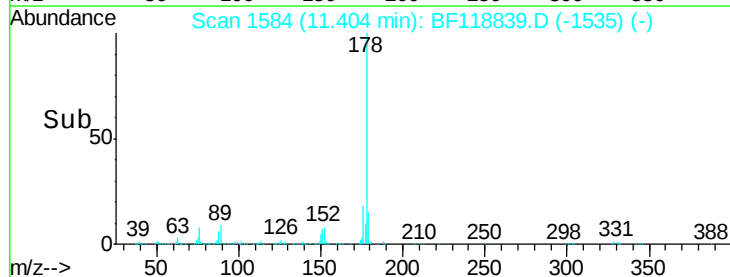
179 15.5 13.4 20.2

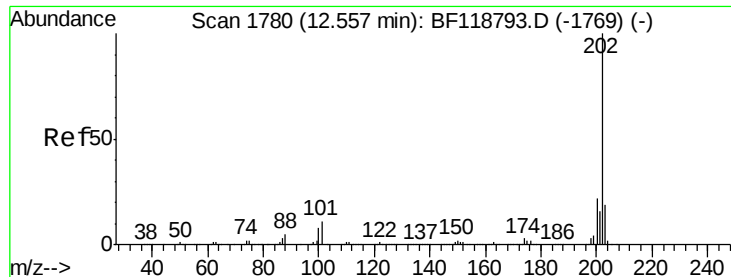


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 30.171 ng

RT: 12.54 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BF118839.D

Acq: 6 Feb 2020 16:14

Instrument :

BNA_F

ClientSampleId :

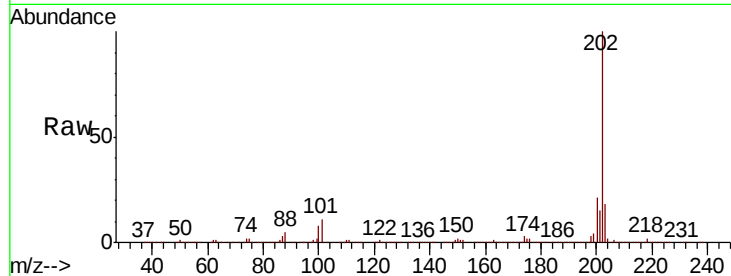
Tot Ion:202 Resp: 1351470

Ion Ratio Lower Upper

202 100

101 10.5 0.0 31.0

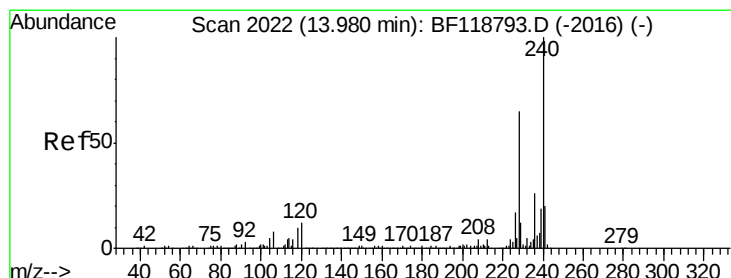
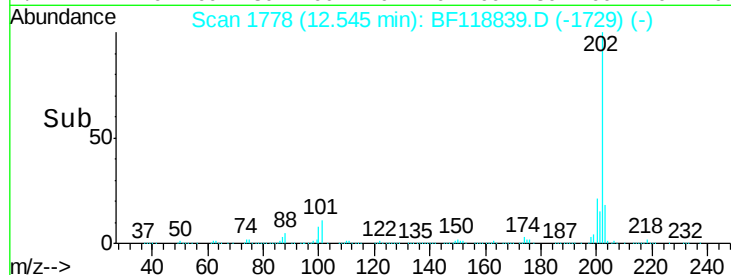
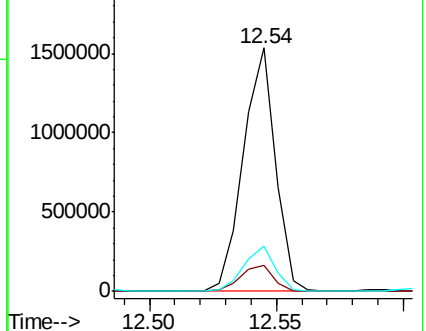
203 18.5 0.0 38.7



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: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF118839.D

Acq: 6 Feb 2020 16:14

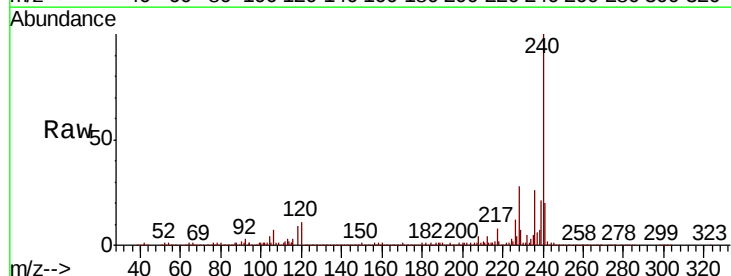
Tgt Ion:240 Resp: 608250

Ion Ratio Lower Upper

240 100

120 10.5 9.4 14.0

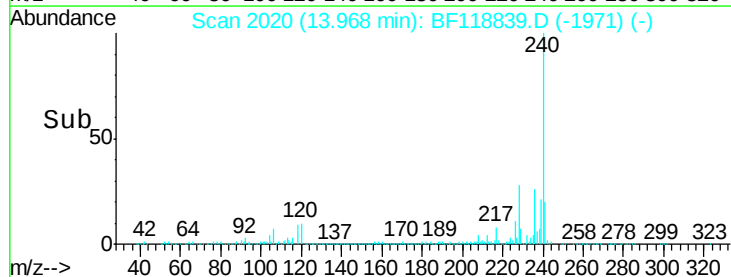
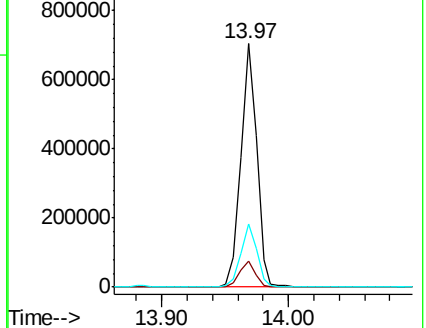
236 26.1 21.0 31.6

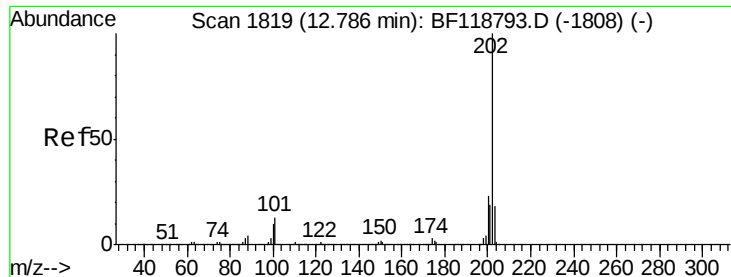


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 29.348 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF118839.D

Acq: 6 Feb 2020 16:14

Instrument :

BNA_F

ClientSampleId :

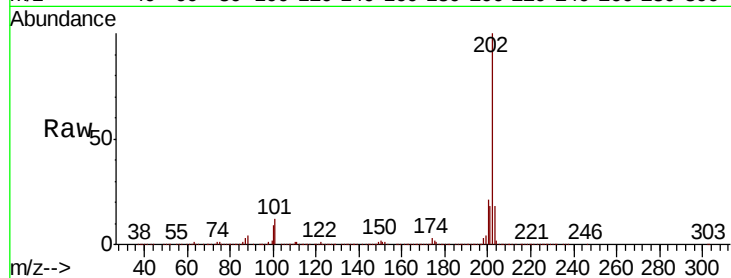
Tot Ion:202 Resp: 1224638

Ion Ratio Lower Upper

202 100

200 21.0 18.2 27.2

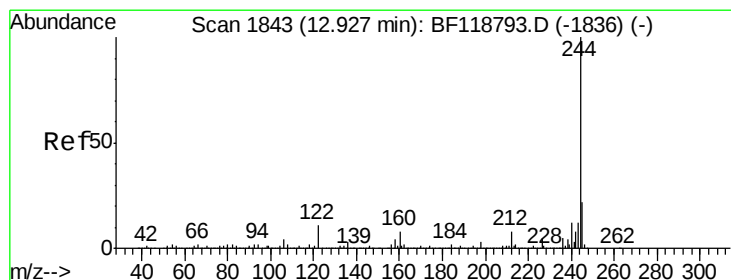
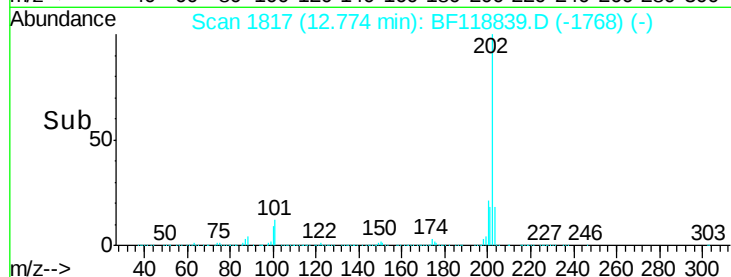
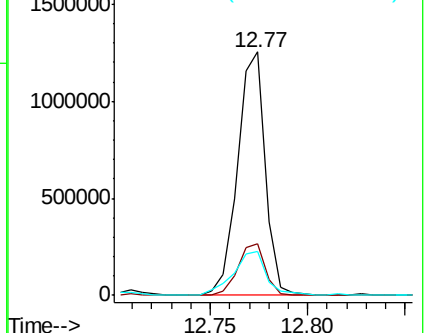
203 18.3 14.8 22.2



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: 71.988 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF118839.D

Acq: 6 Feb 2020 16:14

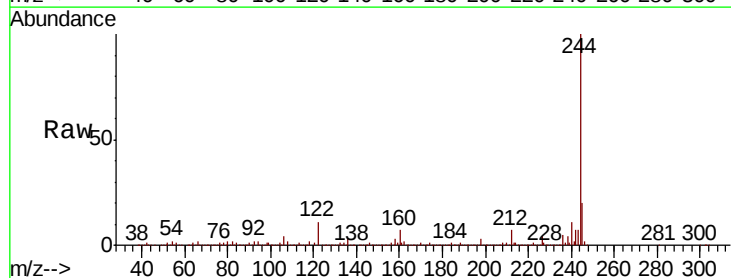
Tgt Ion:244 Resp: 2131745

Ion Ratio Lower Upper

244 100

212 7.1 6.5 9.7

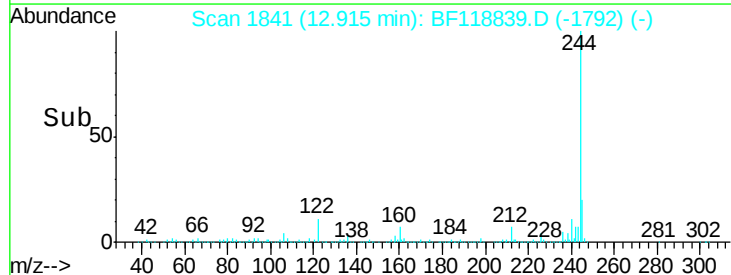
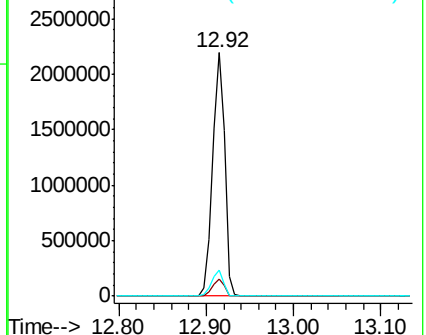
122 10.7 8.9 13.3

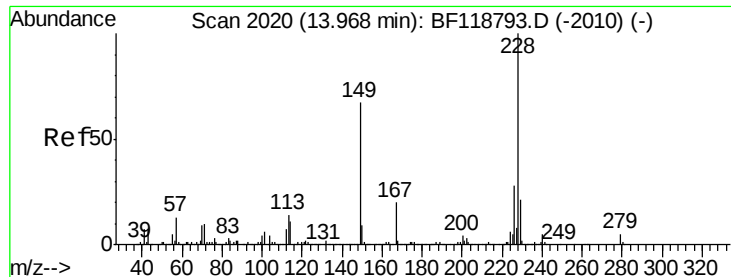


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

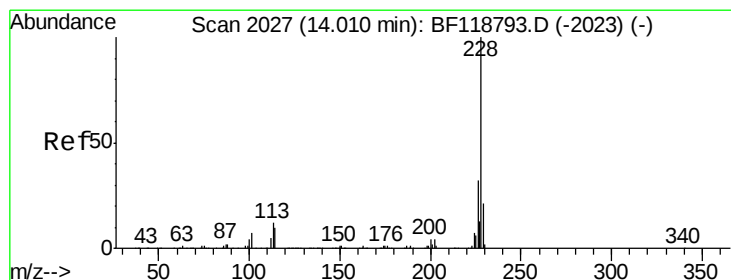
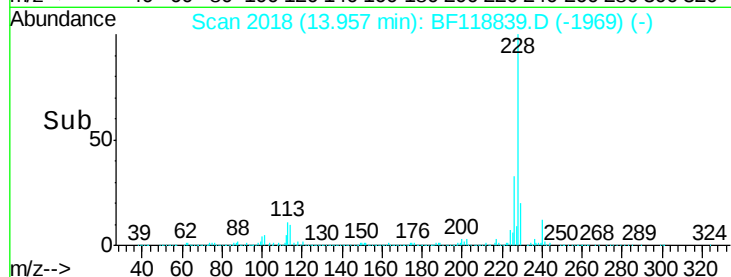
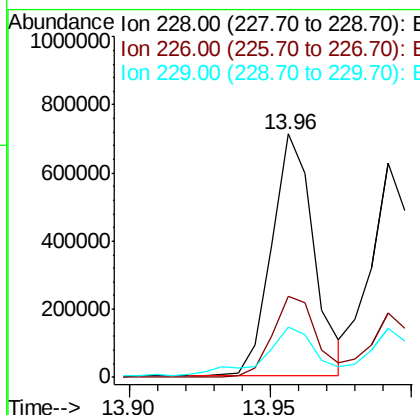
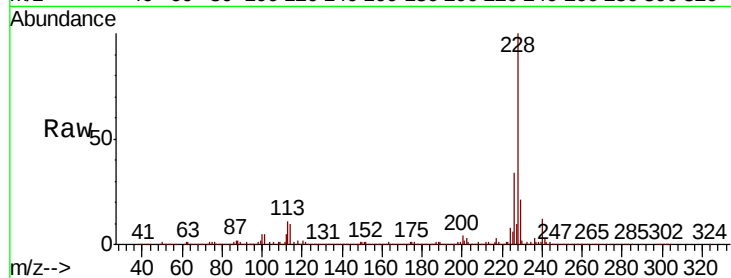




#81
Benzo(a)anthracene
Concen: 20.405 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF118839.D
Acq: 6 Feb 2020 16:14

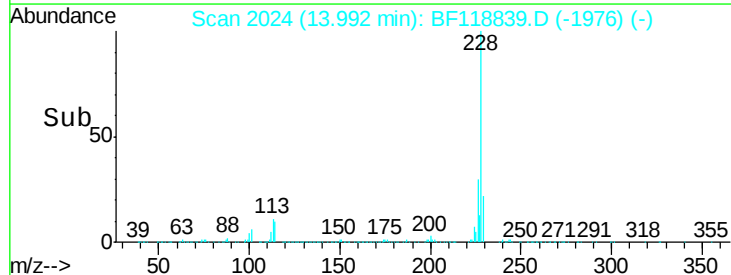
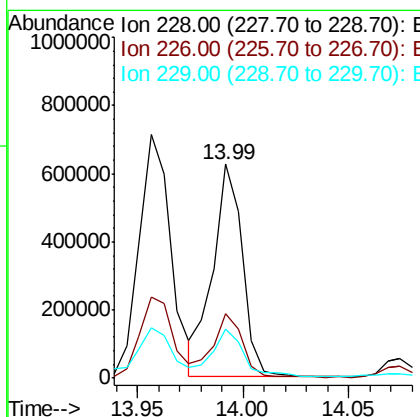
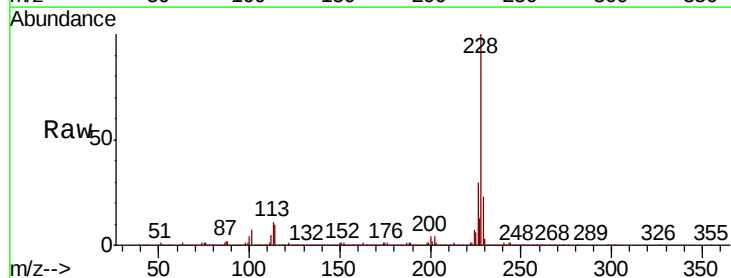
Instrument :
BNA_F
ClientSampled :

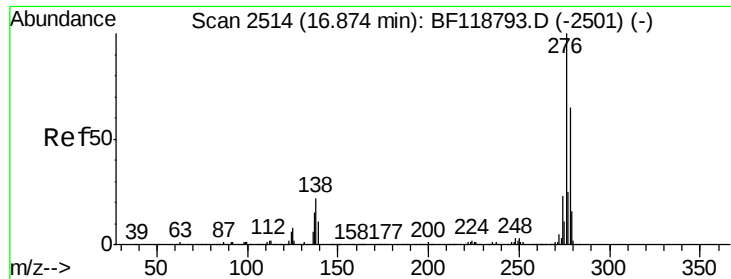
Tot Ion:228 Resp: 738565
Ion Ratio Lower Upper
228 100
226 33.5 22.7 34.1
229 20.8 16.6 25.0



#83
Chrysene
Concen: 16.814 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.02 min
Lab File: BF118839.D
Acq: 6 Feb 2020 16:14

Tgt Ion:228 Resp: 610808
Ion Ratio Lower Upper
228 100
226 30.3 25.4 38.0
229 22.9 16.9 25.3

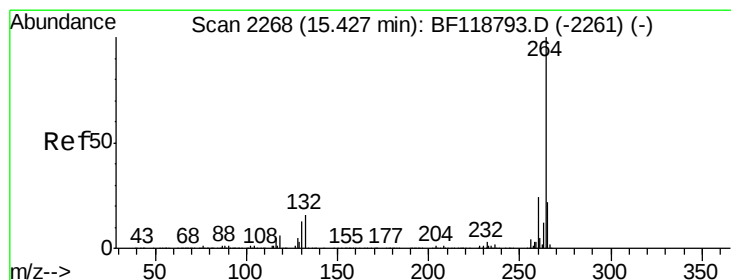
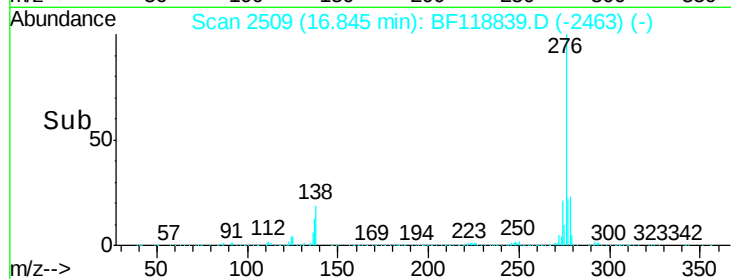
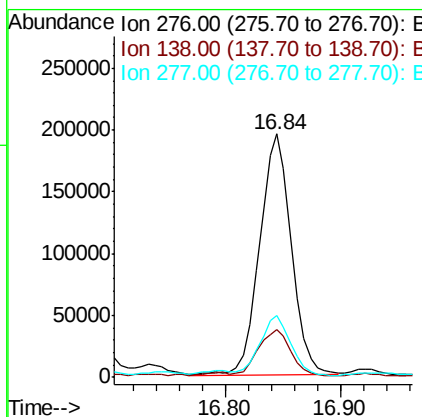
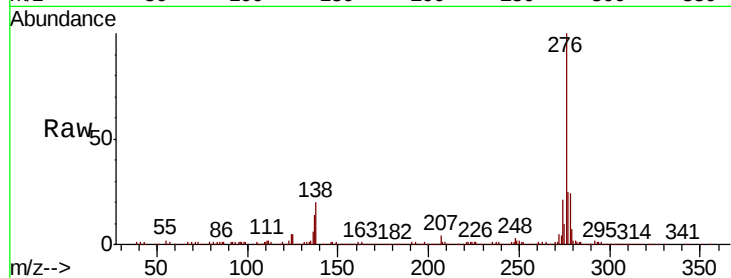




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 10.256 ng
 RT: 16.84 min Scan# 2509
 Delta R.T. -0.03 min
 Lab File: BF118839.D
 Acq: 6 Feb 2020 16:14

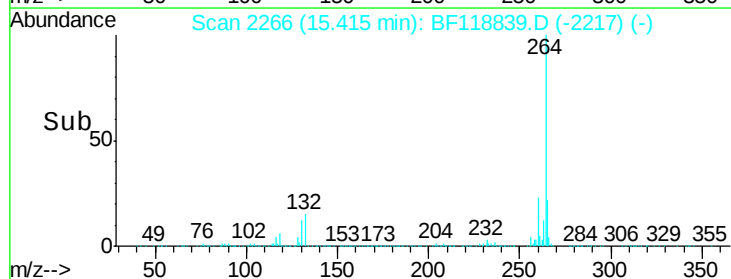
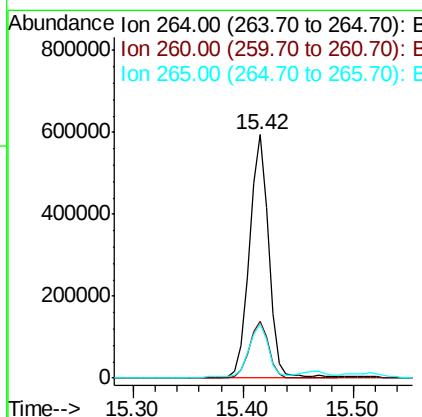
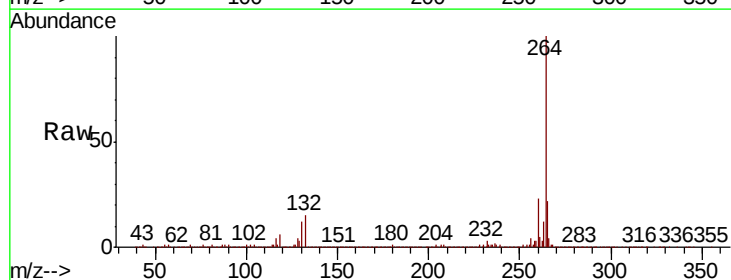
Instrument :
 BNA_F
 ClientSampled :

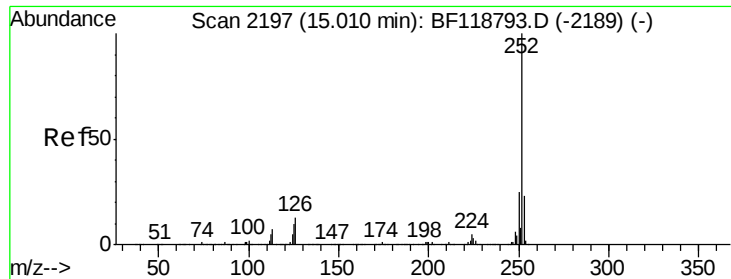
Tot Ion	Ratio	Lower	Upper
276	100		
138	19.8	18.3	27.5
277	23.9	20.2	30.4



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.42 min Scan# 2266
 Delta R.T. -0.01 min
 Lab File: BF118839.D
 Acq: 6 Feb 2020 16:14

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.1	28.7
265	22.1	17.2	25.8

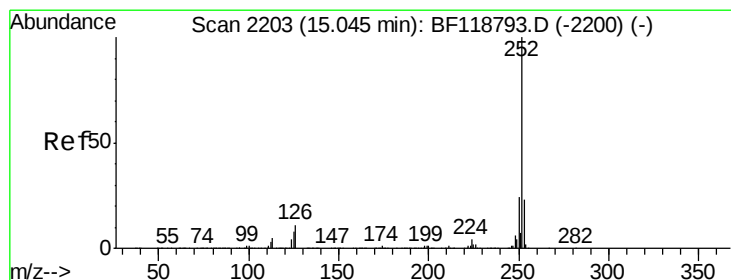
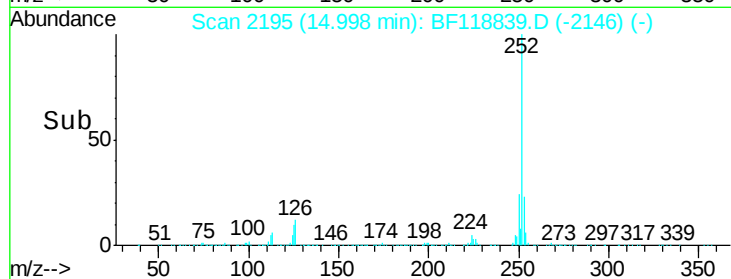
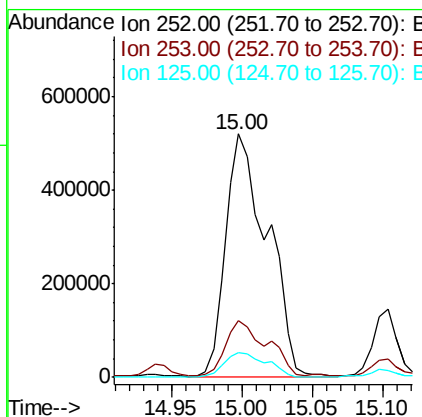
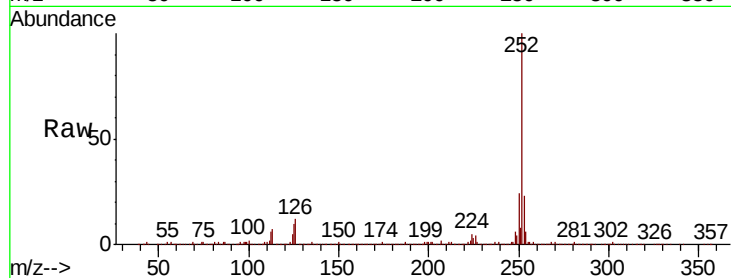




#88
Benzo(b)fluoranthene
Concen: 23.611 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BF118839.D
Acq: 6 Feb 2020 16:14

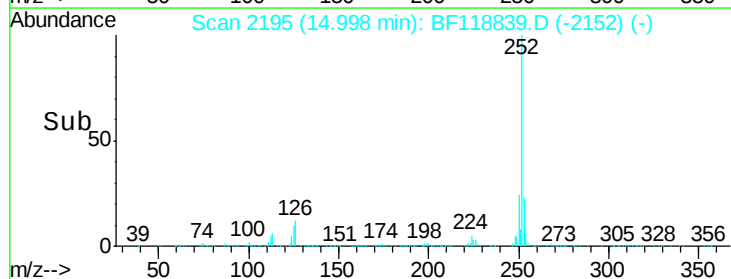
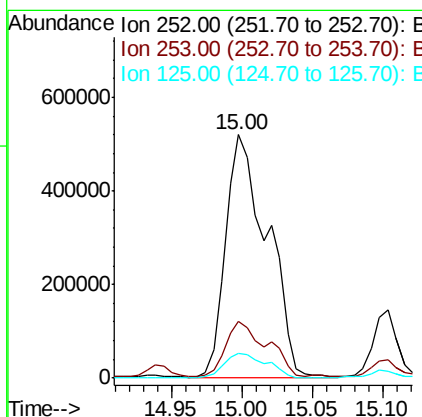
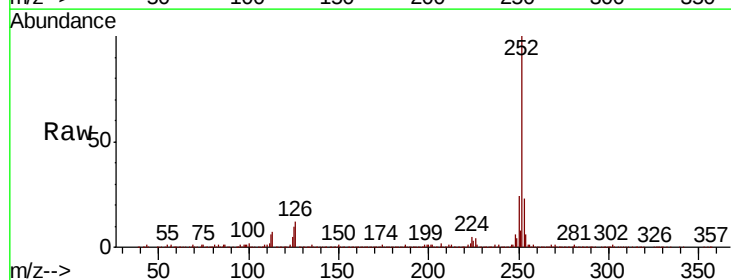
Instrument :
BNA_F
ClientSampleId :

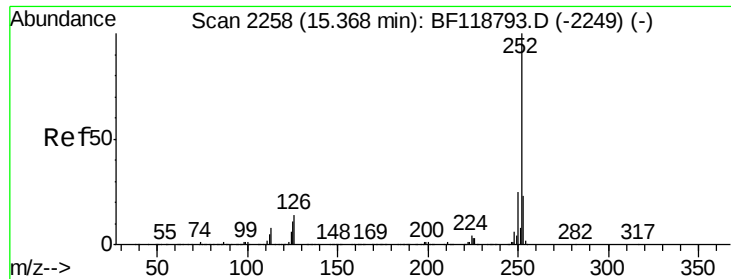
Tot Ion:252 Resp: 1067379
Ion Ratio Lower Upper
252 100
253 23.4 18.4 27.6
125 10.1 8.1 12.1



#89
Benzo(k)fluoranthene
Concen: 27.114 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.05 min
Lab File: BF118839.D
Acq: 6 Feb 2020 16:14

Tgt Ion:252 Resp: 1067379
Ion Ratio Lower Upper
252 100
253 23.4 18.2 27.4
125 10.1 7.0 10.6

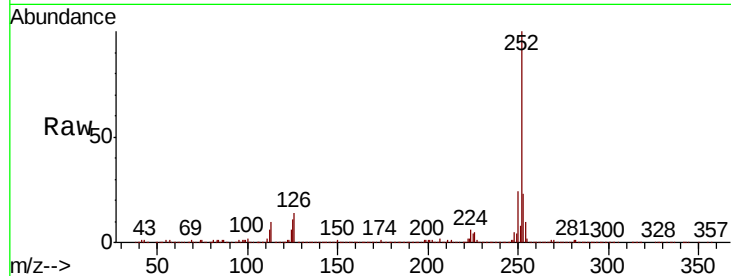




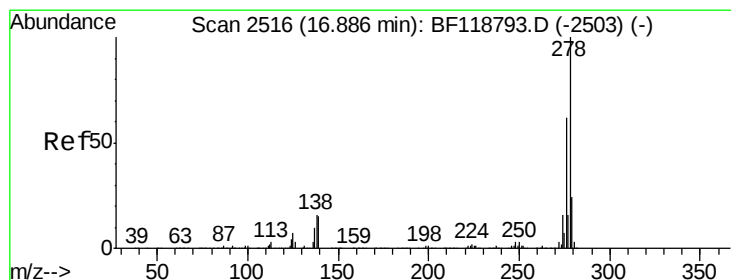
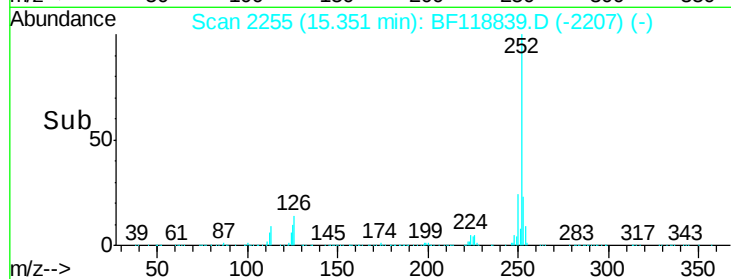
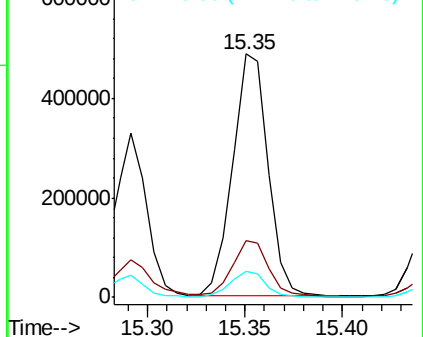
#90
Benzo(a)pyrene
Concen: 15.805 ng
RT: 15.35 min Scan# 2255
Delta R.T. -0.02 min
Lab File: BF118839.D
Acq: 6 Feb 2020 16:14

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 611473
Ion Ratio Lower Upper
252 100
253 23.3 18.1 27.1
125 10.7 8.7 13.1

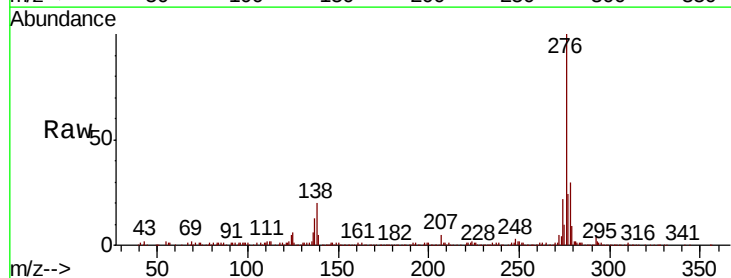


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

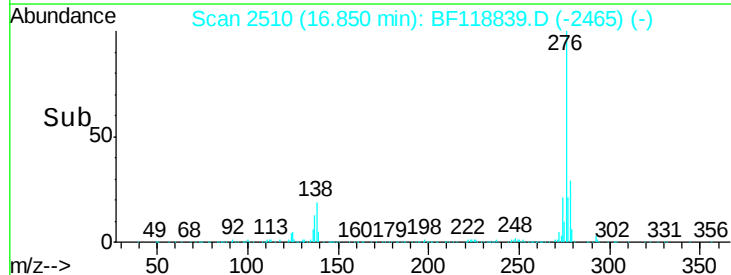
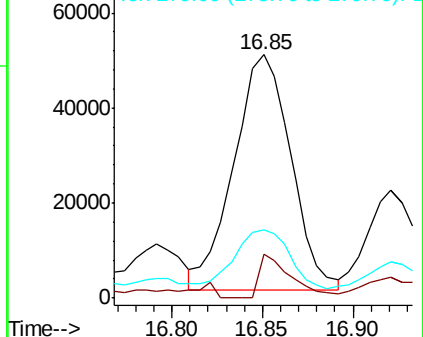


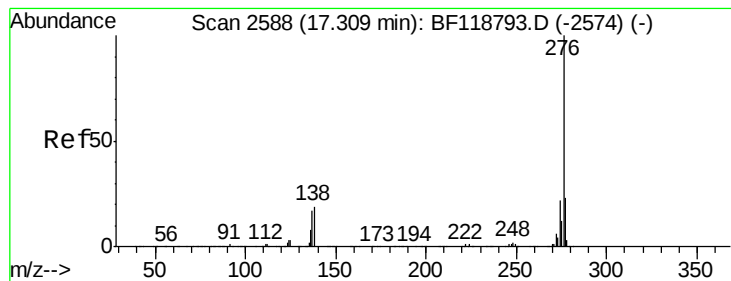
#91
Dibenzo(a,h)anthracene
Concen: 3.153 ng
RT: 16.85 min Scan# 2510
Delta R.T. -0.04 min
Lab File: BF118839.D
Acq: 6 Feb 2020 16:14

Tgt Ion:278 Resp: 108305
Ion Ratio Lower Upper
278 100
139 18.0 12.3 18.5
279 28.0 19.1 28.7



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#92

Benzo(a,h,i)perylene

Concen: 9.776 ng

RT: 17.27 min Scan# 2582

Delta R.T. -0.04 min

Lab File: BF118839.D

Acq: 6 Feb 2020 16:14

Instrument :

BNA_F

ClientSampleId :

Tot Ion:276 Resp: 322908

Ion Ratio Lower Upper

276 100

277 24.4 18.7 28.1

138 19.0 15.4 23.2

