

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080819\
 Data File : BF116091.D
 Acq On : 9 Aug 2019 2:04
 Operator : HP/JU
 Sample : K4154-08 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 09 09:16:38 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

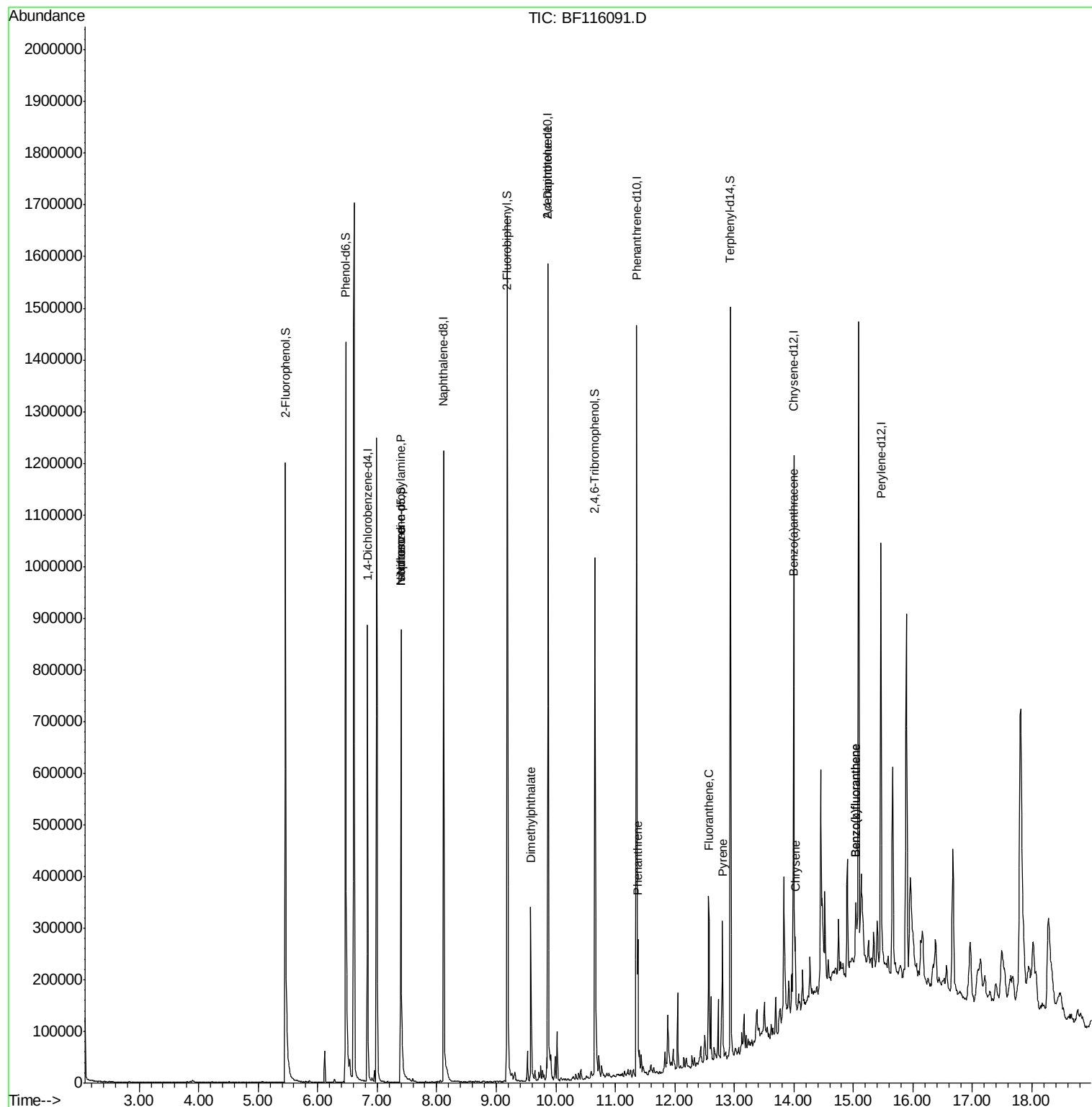
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	141529	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	590986	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	313781	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	509740	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	335244	20.00	ng	-0.01
87) Perylene-d12	15.46	264	364989	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	416437	49.26	ng	-0.01
7) Phenol-d6	6.47	99	575402	53.94	ng	-0.02
23) Nitrobenzene-d5	7.40	82	351432	34.33	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	136536	44.88	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	552229	32.96	ng	-0.02
79) Terphenyl-d14	12.93	244	477202	29.99	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	45475	6.880	ng	# 80
25) Isophorone	7.40	82	351430	17.951	ng	# 65
50) Dimethylphthalate	9.59	163	155790	7.292	ng	98
57) 2,4-Dinitrotoluene	9.87	165	40674	6.580	ng	# 20
71) Phenanthrene	11.38	178	88456	3.394	ng	97
75) Fluoranthene	12.57	202	136528	5.004	ng	98
78) Pyrene	12.80	202	106694	4.222	ng	98
81) Benzo(a)anthracene	13.99	228	49349	2.303	ng	98
83) Chrysene	14.02	228	52248	2.512	ng	98
88) Benzo(b)fluoranthene	15.04	252	83719	3.967	ng	# 90
89) Benzo(k)fluoranthene	15.04	252	83719	4.073	ng	# 89

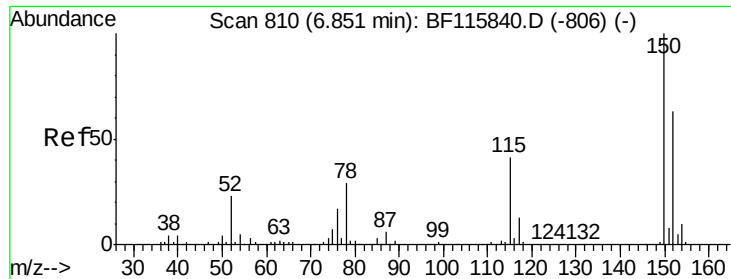
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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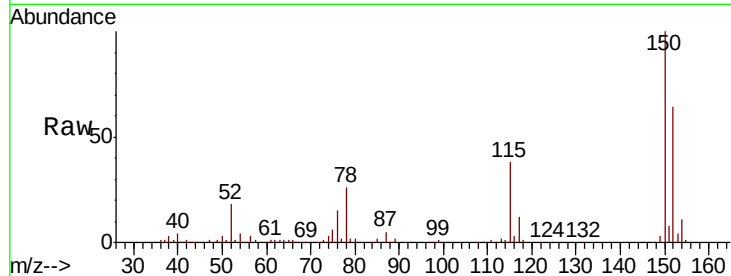


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF116091.D
Acq: 9 Aug 2019 2:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	126.2	189.2
115	59.9	49.9	74.9

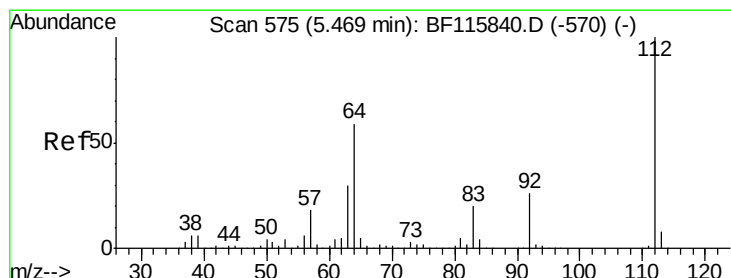
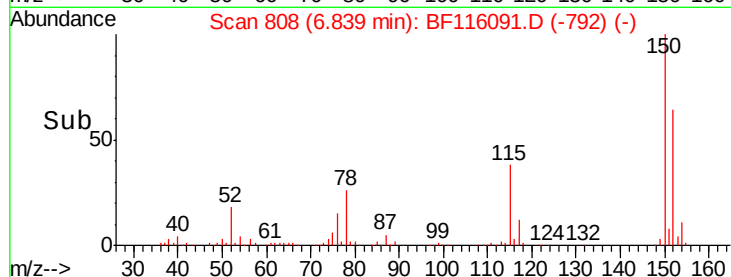
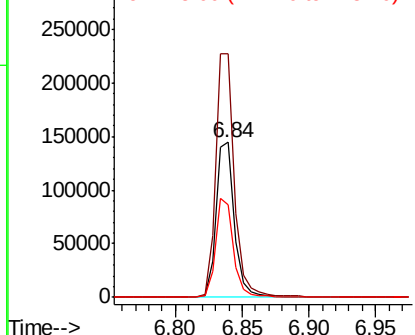


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

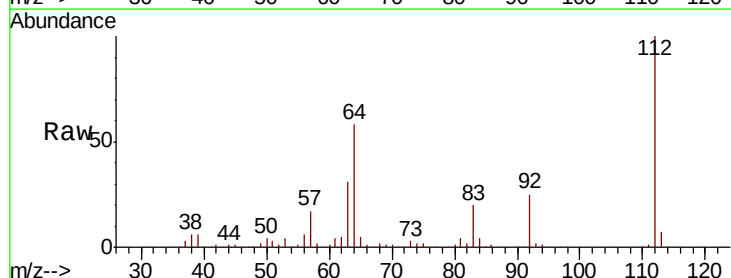
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 49.258 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF116091.D
Acq: 9 Aug 2019 2:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.0	45.4	68.2
63	30.8	23.7	35.5

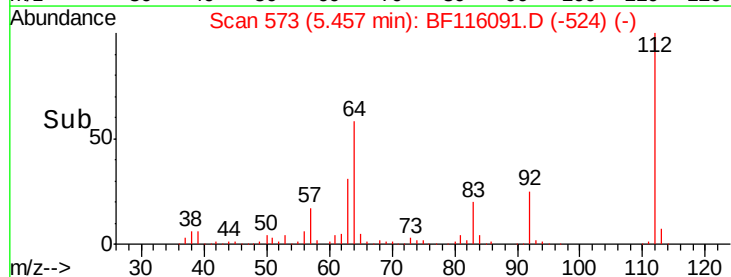
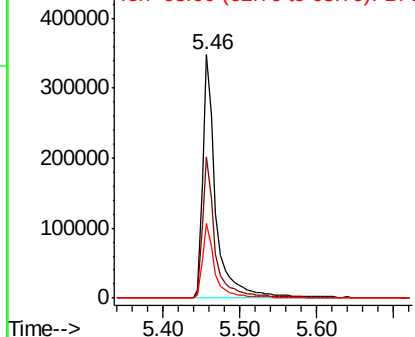


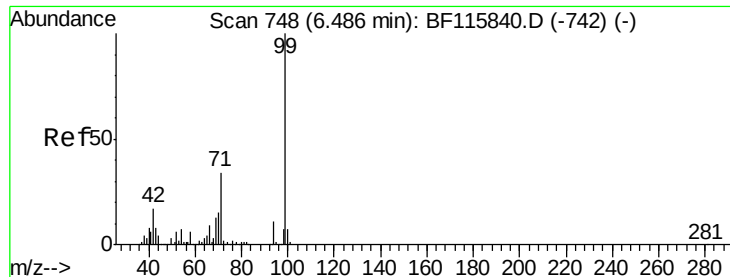
Abundance

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: 53.945 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.02 min

Lab File: BF116091.D

Acq: 9 Aug 2019 2:04

Instrument :

BNA_F

ClientSampleId :

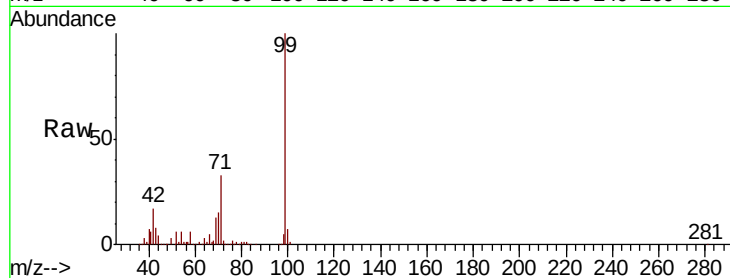
Tot Ion: 99 Resp: 575402

Ion Ratio Lower Upper

99 100

42 17.1 13.8 20.8

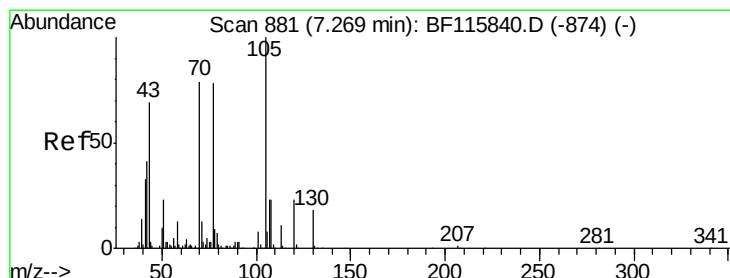
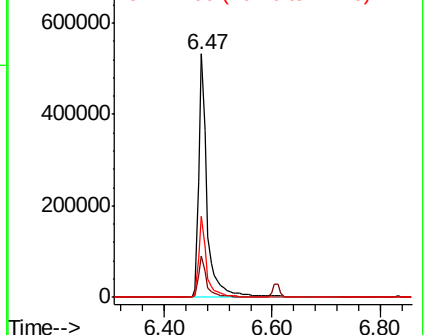
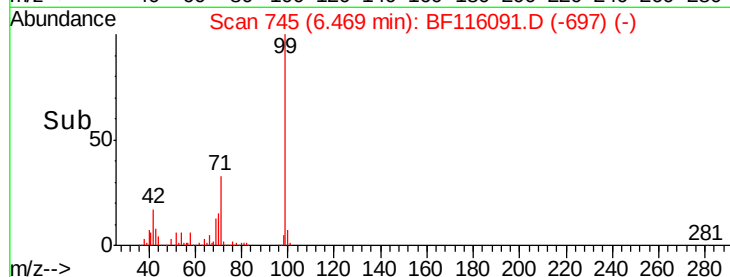
71 33.1 27.3 40.9



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 6.880 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.13 min

Lab File: BF116091.D

Acq: 9 Aug 2019 2:04

Tgt Ion: 70 Resp: 45475

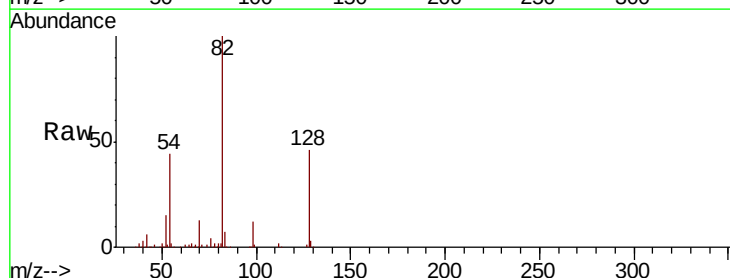
Ion Ratio Lower Upper

70 100

42 43.5 40.9 61.3

101 0.0 7.9 11.9#

130 2.1 16.9 25.3#

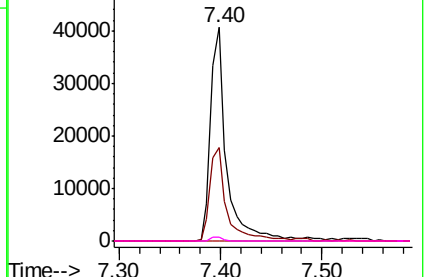
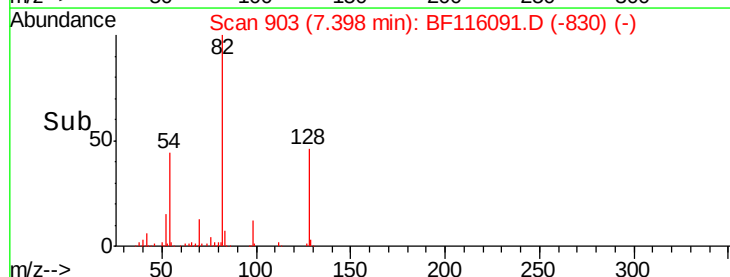


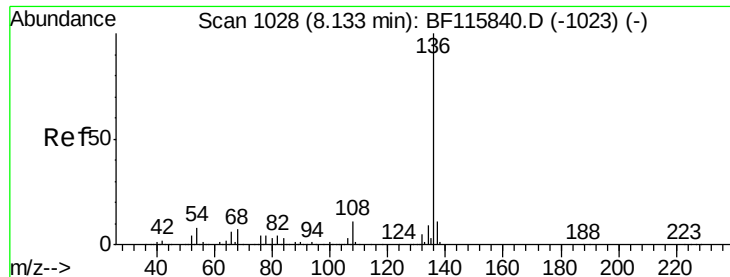
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

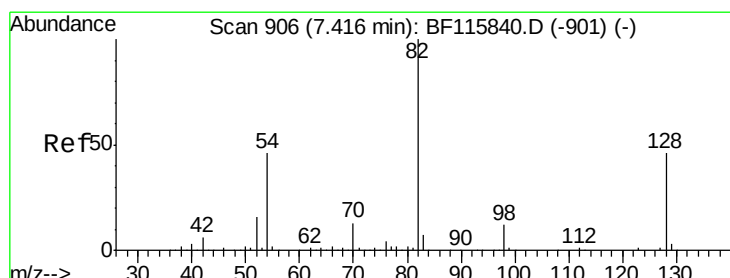
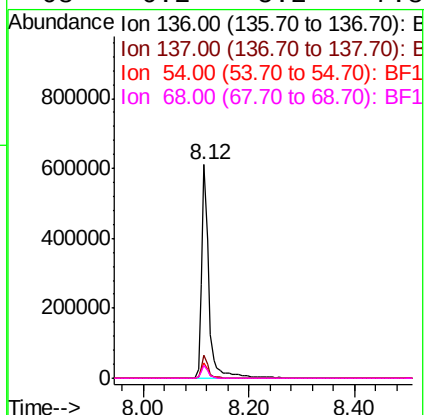
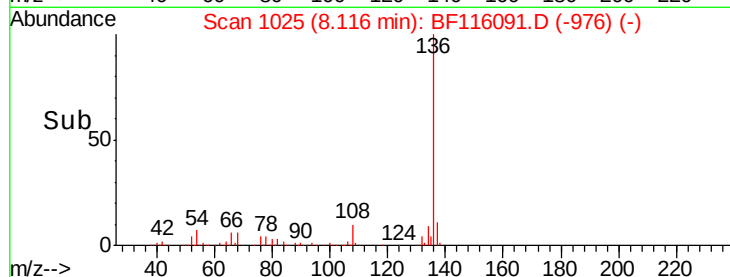
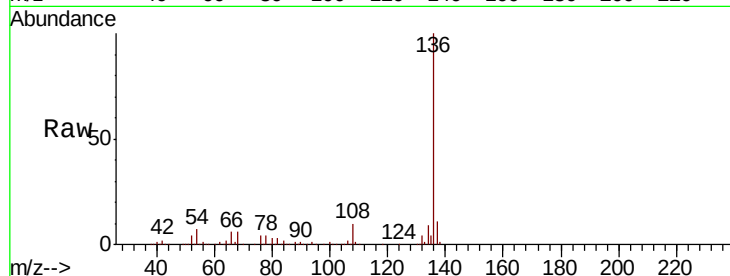




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF116091.D
Acq: 9 Aug 2019 2:04

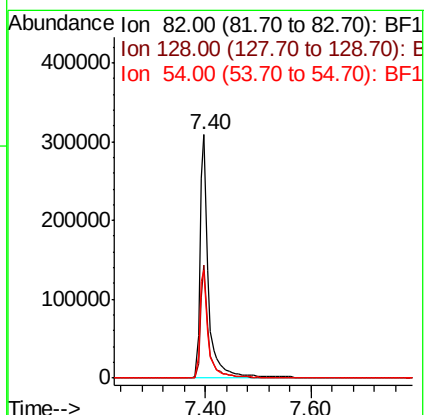
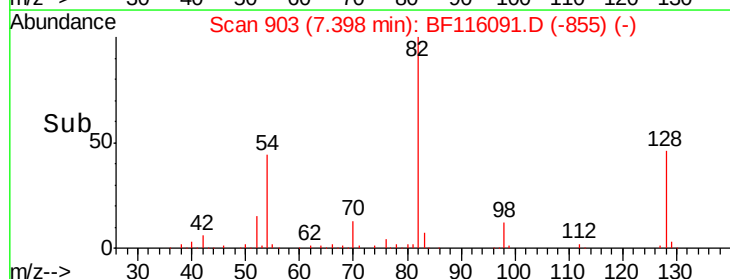
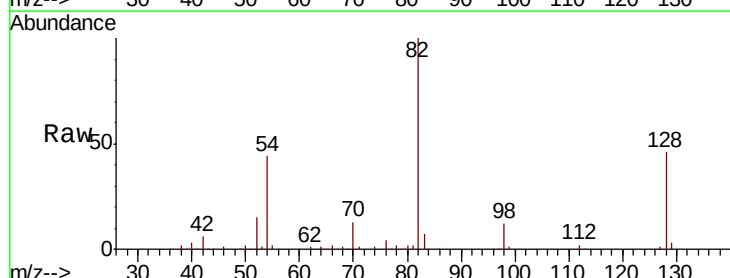
Instrument :
BNA_F
ClientSampleId :

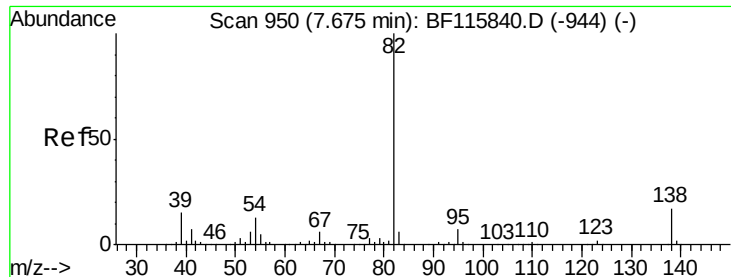
Tot Ion:136	Resp:	590986
Ion Ratio	Lower	Upper
136	100	
137	11.0	9.0 13.4
54	7.0	5.8 8.6
68	6.2	5.2 7.8



#23
Nitrobenzene-d5
Concen: 34.325 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.02 min
Lab File: BF116091.D
Acq: 9 Aug 2019 2:04

Tgt Ion: 82	Resp:	351432
Ion Ratio	Lower	Upper
82	100	
128	46.3	36.5 54.7
54	44.4	36.0 54.0





#25

Isophorone

Concen: 17.951 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.28 min

Lab File: BF116091.D

Acq: 9 Aug 2019 2:04

Instrument :

BNA_F

ClientSampled :

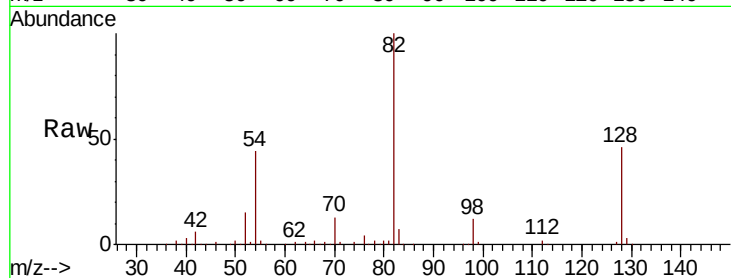
Tot Ion: 82 Resp: 351430

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

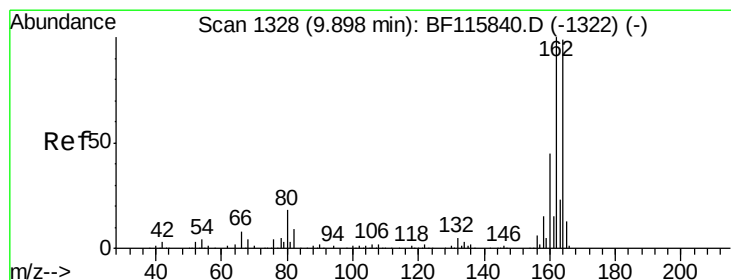
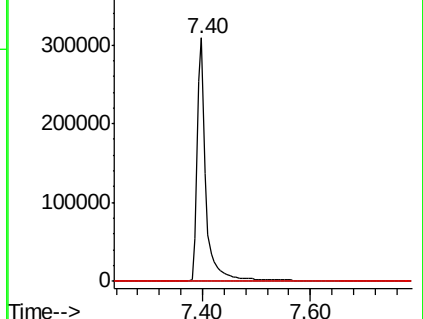
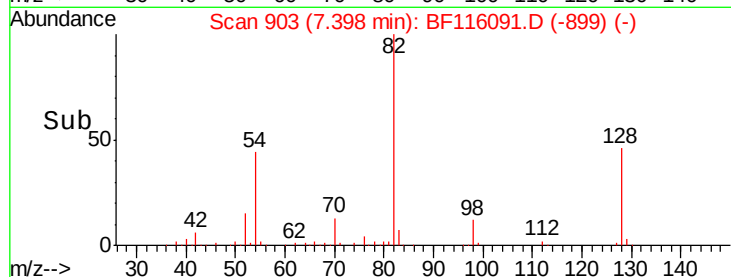
138 0.0 14.5 21.7#



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: 9.87 min Scan# 1323

Delta R.T. -0.02 min

Lab File: BF116091.D

Acq: 9 Aug 2019 2:04

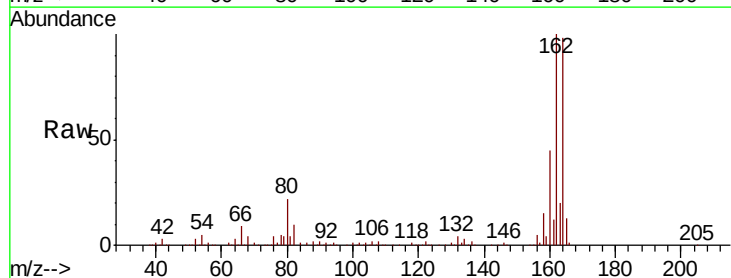
Tgt Ion: 164 Resp: 313781

Ion Ratio Lower Upper

164 100

162 101.8 82.6 124.0

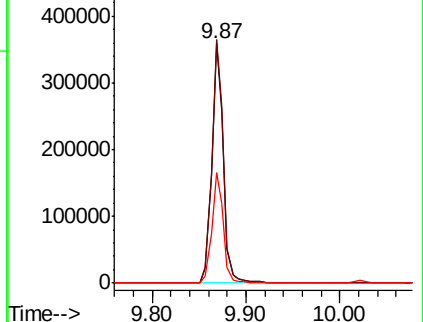
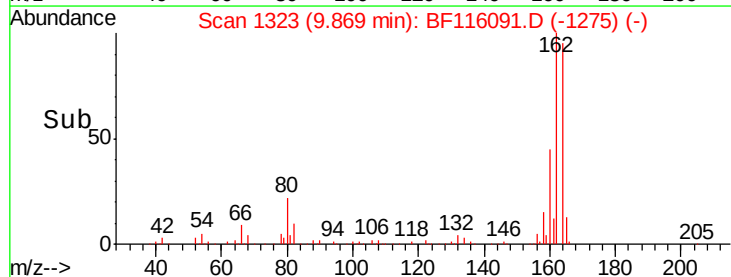
160 46.0 37.6 56.4

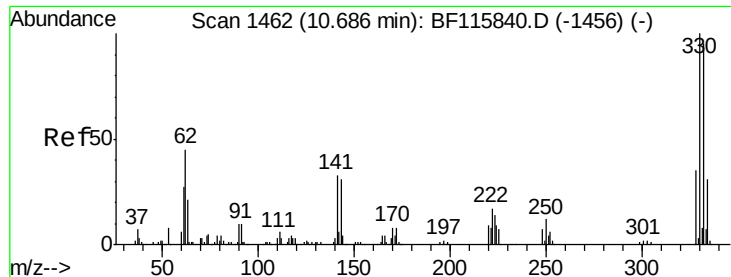


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

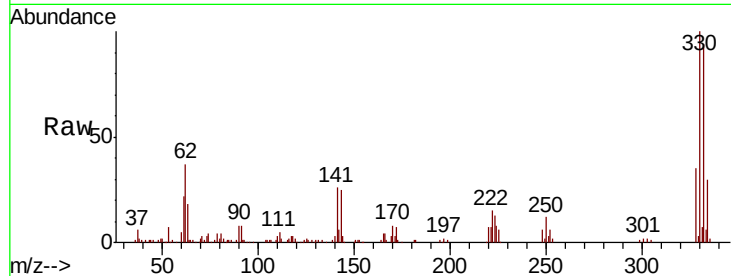




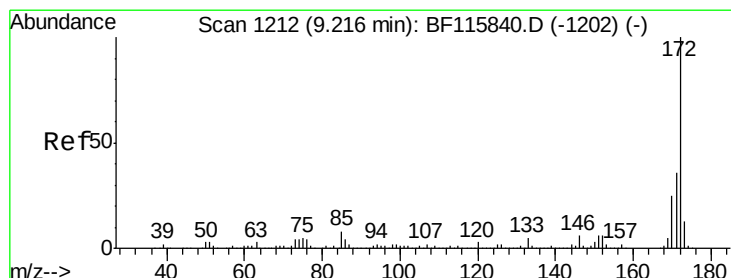
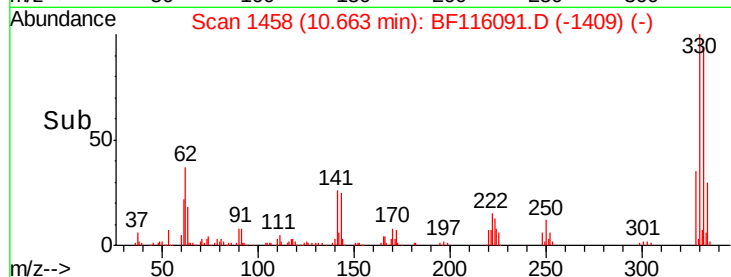
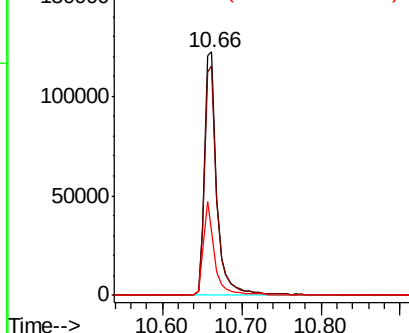
#42
 2,4,6-Tribromophenol
 Concen: 44.881 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF116091.D
 Acq: 9 Aug 2019 2:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 136536
 Ion Ratio Lower Upper
 330 100
 332 95.1 76.8 115.2
 141 34.5 26.3 39.5

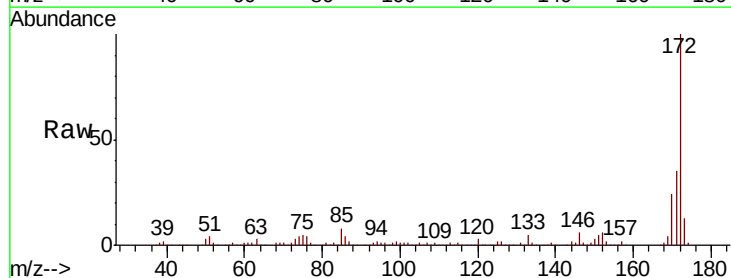


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

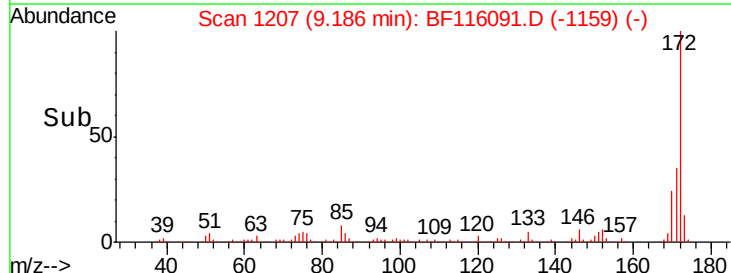
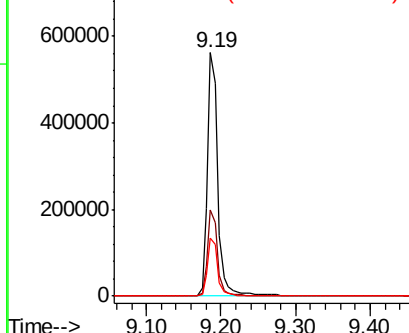


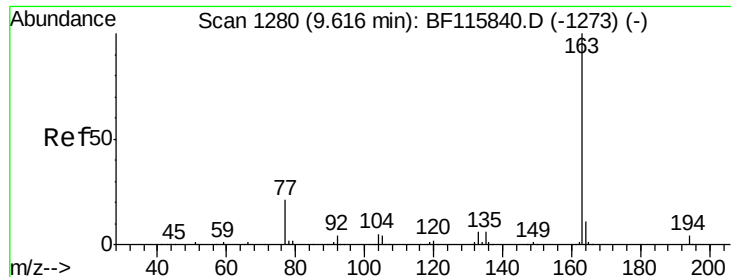
#45
 2-Fluorobiphenyl
 Concen: 32.965 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.02 min
 Lab File: BF116091.D
 Acq: 9 Aug 2019 2:04

Tgt Ion:172 Resp: 552229
 Ion Ratio Lower Upper
 172 100
 171 35.2 29.6 44.4
 170 24.0 20.1 30.1



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

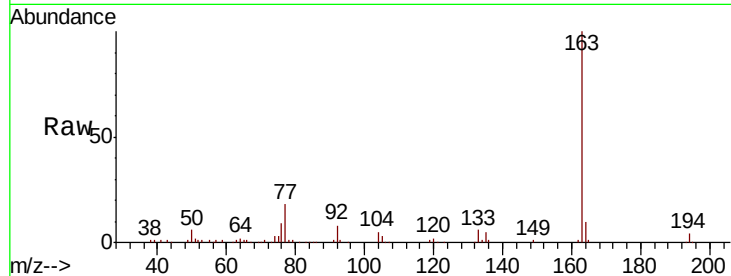




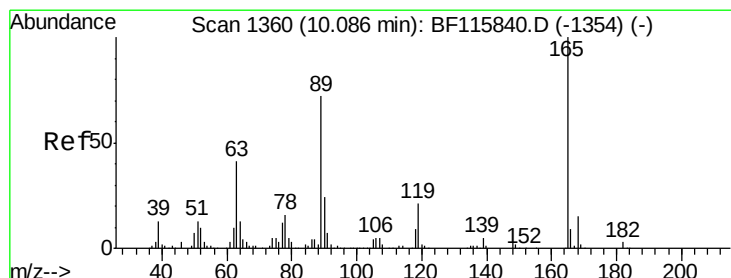
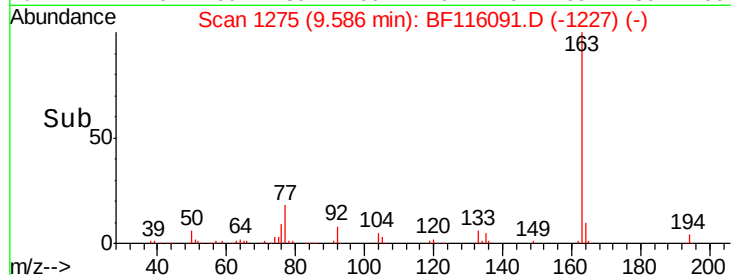
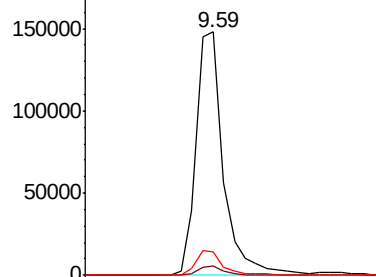
#50
 Dimethylphthalate
 Concen: 7.292 ng
 RT: 9.59 min Scan# 1275
 Delta R.T. -0.02 min
 Lab File: BF116091.D
 Acq: 9 Aug 2019 2:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	163	Resp:	155790
Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.0	4.6
164	9.8	8.4	12.6

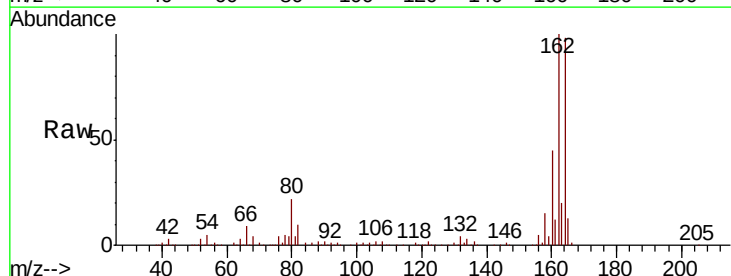


Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

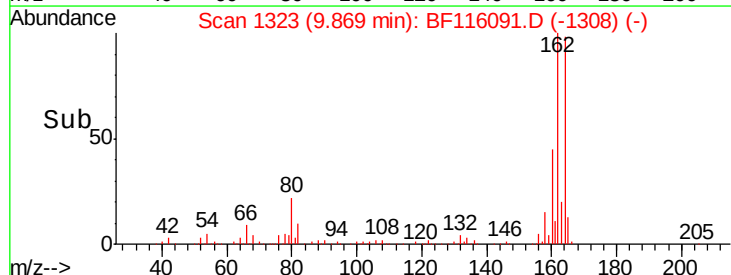
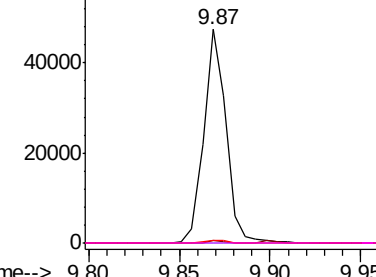


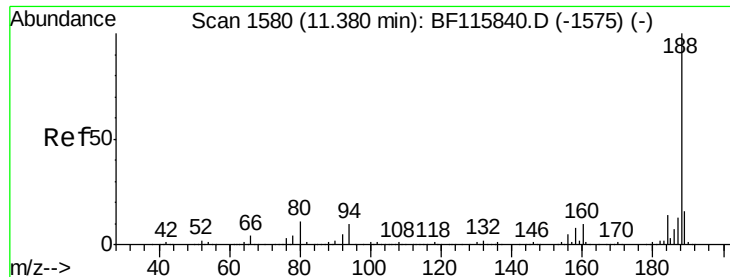
#57
 2,4-Dinitrotoluene
 Concen: 6.580 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF116091.D
 Acq: 9 Aug 2019 2:04

Tgt Ion:	165	Resp:	40674
Ion	Ratio	Lower	Upper
165	100		
63	1.2	39.6	59.4#
89	1.4	62.2	93.2#
182	0.0	2.1	3.1#



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

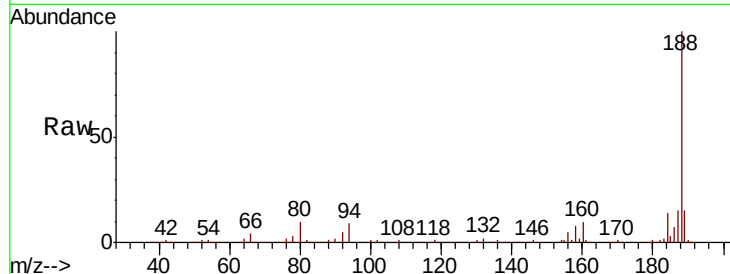




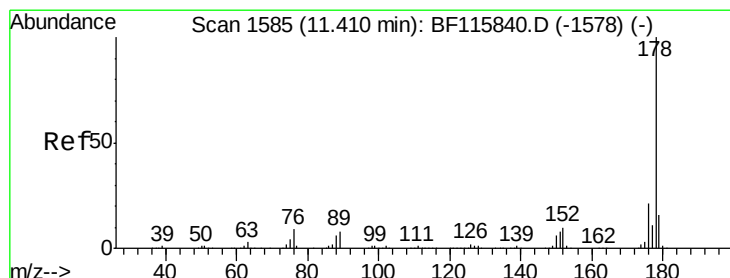
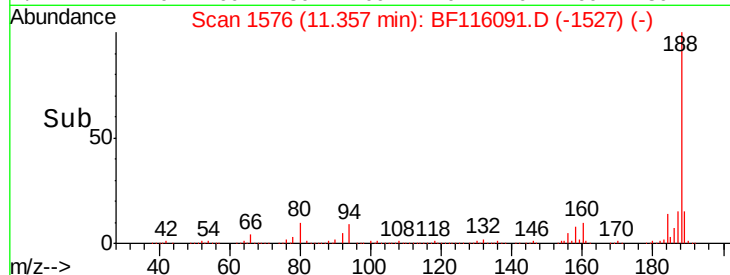
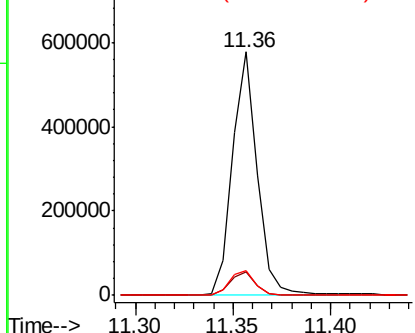
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF116091.D
Acq: 9 Aug 2019 2:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 509740
Ion Ratio Lower Upper
188 100
94 9.4 8.1 12.1
80 10.3 8.7 13.1

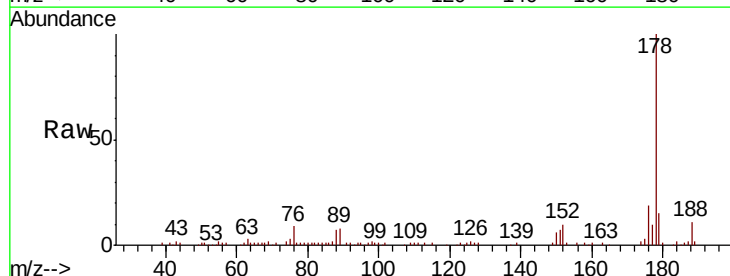


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

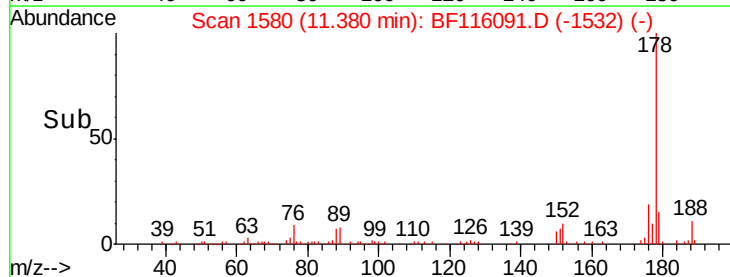
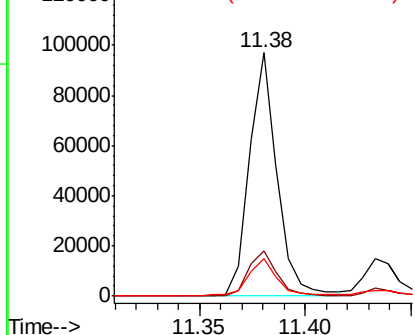


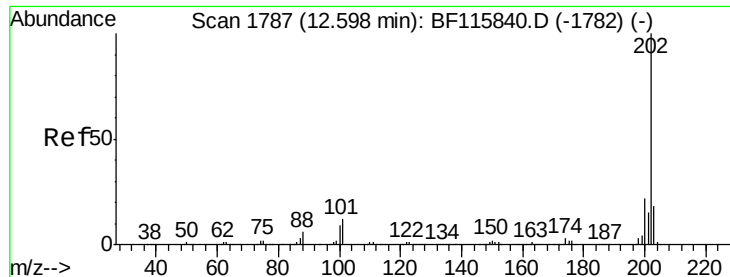
#71
Phenanthrene
Concen: 3.394 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF116091.D
Acq: 9 Aug 2019 2:04

Tgt Ion:178 Resp: 88456
Ion Ratio Lower Upper
178 100
176 18.6 16.6 24.8
179 15.2 12.5 18.7



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 5.004 ng

RT: 12.57 min Scan# 1782

Delta R.T. -0.02 min

Lab File: BF116091.D

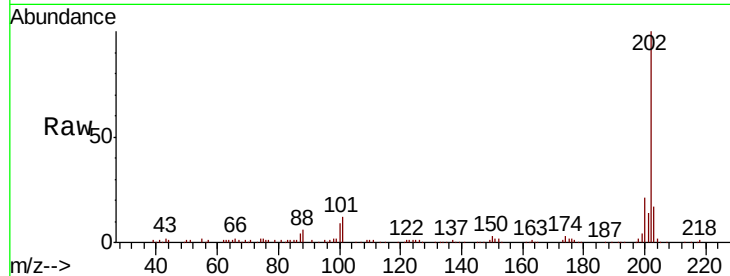
Acq: 9 Aug 2019 2:04

Instrument :

BNA_F

ClientSampleId :

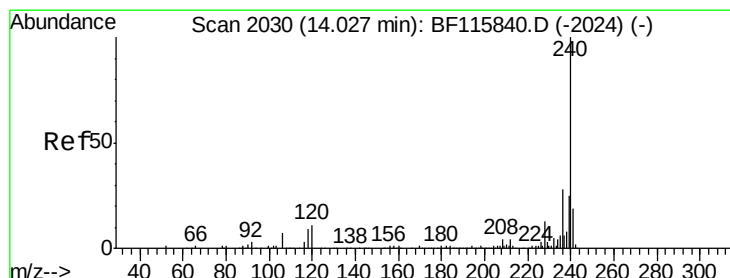
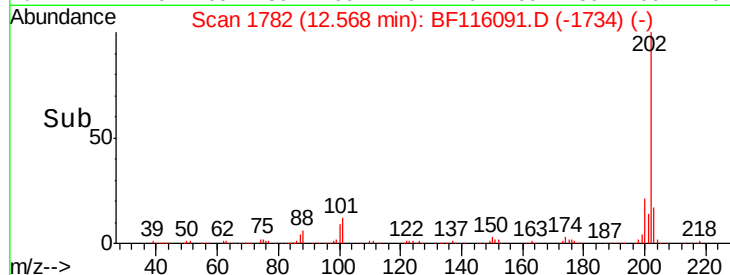
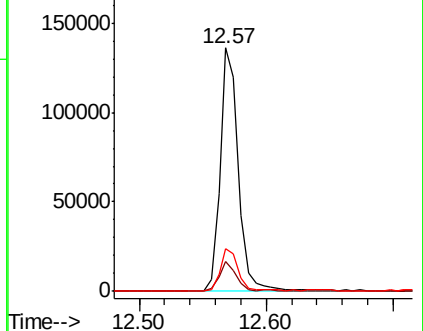
Tot Ion:	202	Resp:	136528
Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	31.2
203	17.4	0.0	37.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

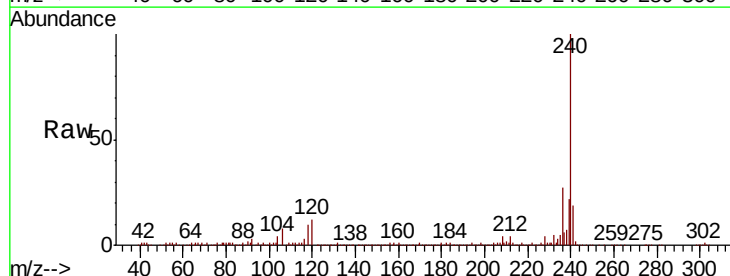
RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF116091.D

Acq: 9 Aug 2019 2:04

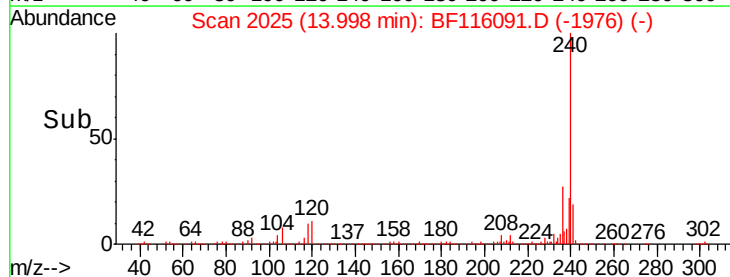
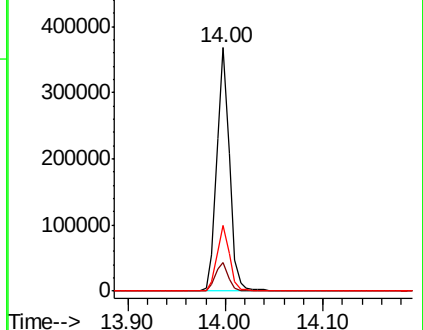
Tgt Ion:	240	Resp:	335244
Ion	Ratio	Lower	Upper
240	100		
120	11.5	10.7	16.1
236	27.0	22.2	33.2

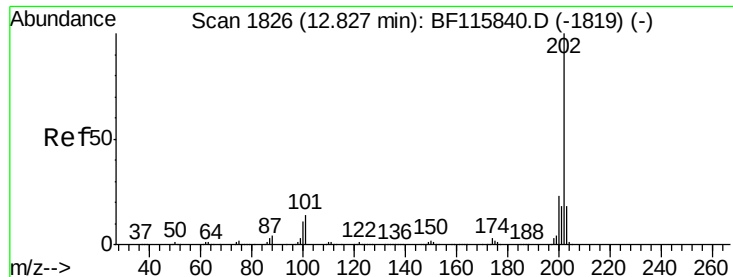


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 4.222 ng

RT: 12.80 min Scan# 1821

Delta R.T. -0.02 min

Lab File: BF116091.D

Acq: 9 Aug 2019 2:04

Instrument :

BNA_F

ClientSampled :

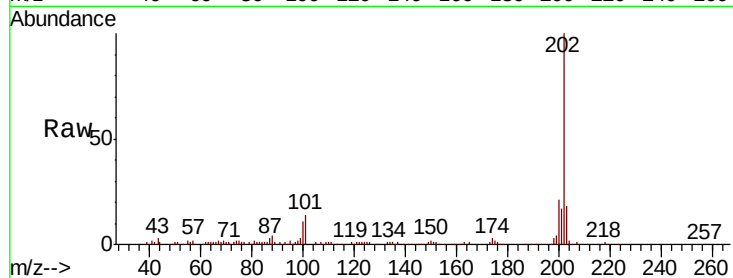
Tot Ion:202 Resp: 106694

Ion Ratio Lower Upper

202 100

200 20.8 18.0 27.0

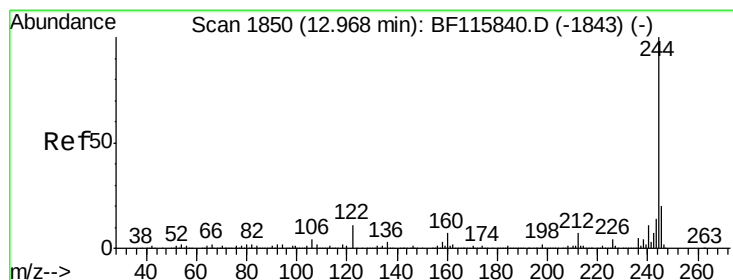
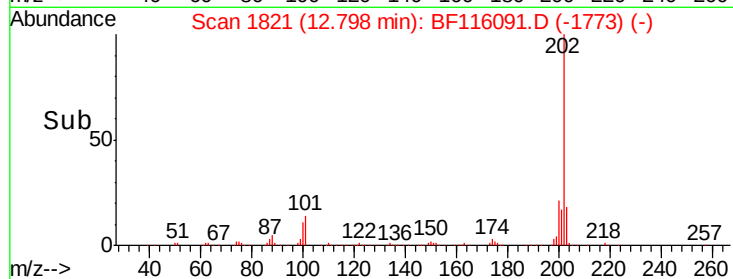
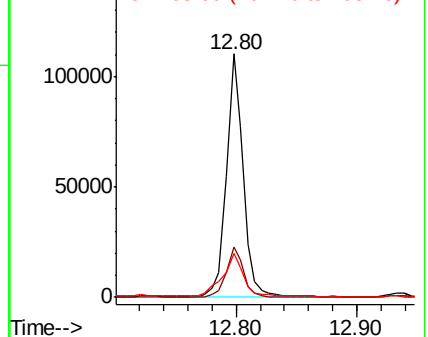
203 17.9 14.1 21.1



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: 29.994 ng

RT: 12.93 min Scan# 1844

Delta R.T. -0.02 min

Lab File: BF116091.D

Acq: 9 Aug 2019 2:04

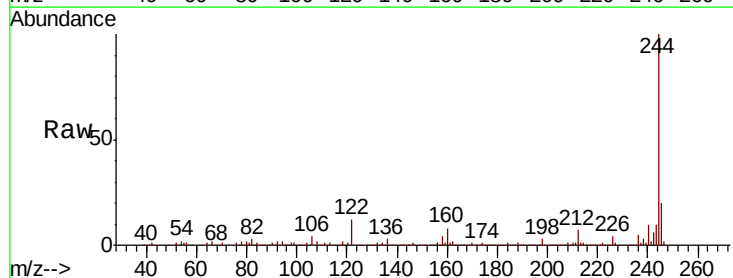
Tgt Ion:244 Resp: 477202

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

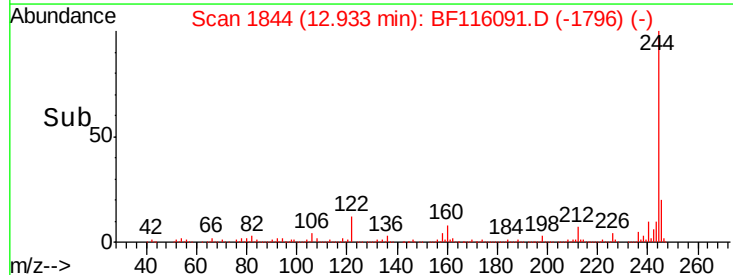
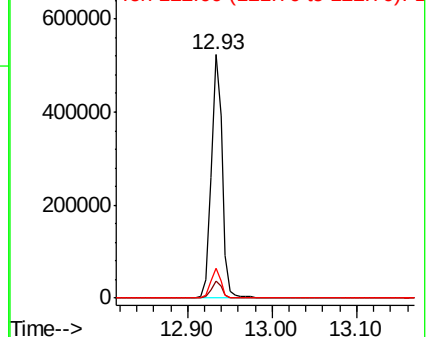
122 12.2 9.0 13.4

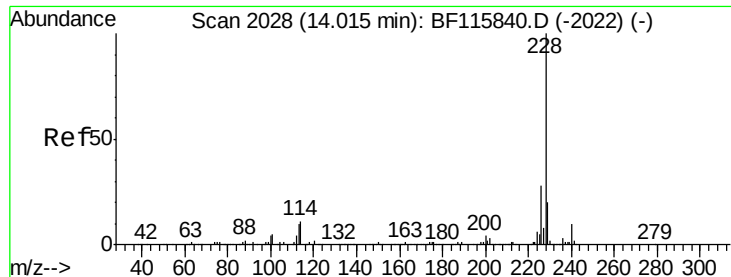


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 2.303 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF116091.D

Acq: 9 Aug 2019 2:04

Instrument :

BNA_F

ClientSampleId :

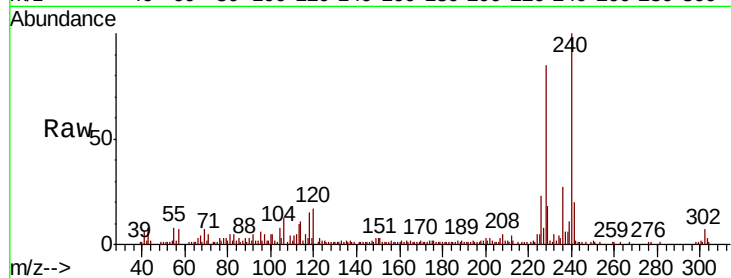
Tot Ion:228 Resp: 49349

Ion Ratio Lower Upper

228 100

226 27.3 22.7 34.1

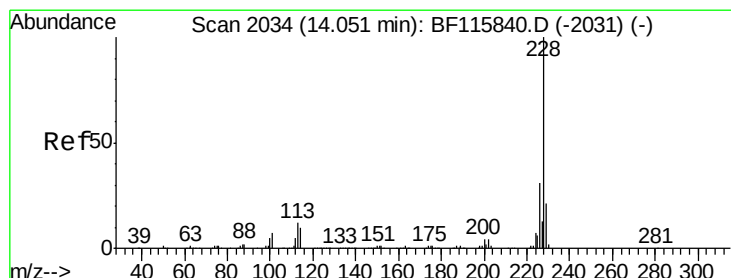
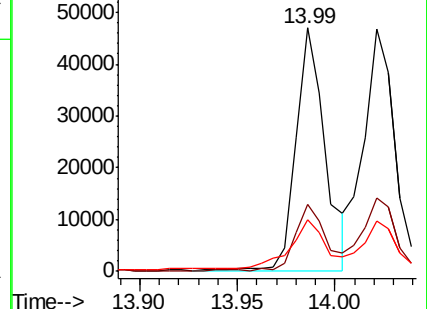
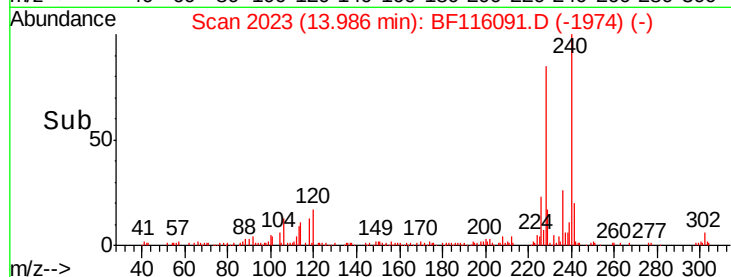
229 21.2 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 2.512 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.02 min

Lab File: BF116091.D

Acq: 9 Aug 2019 2:04

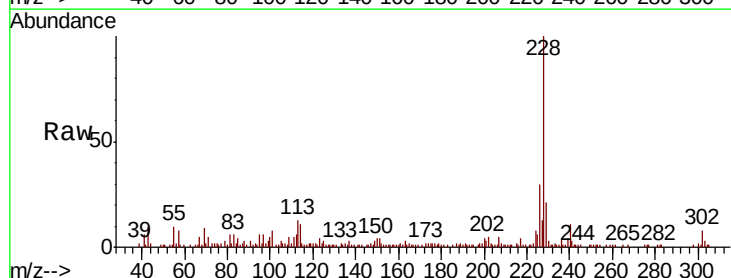
Tgt Ion:228 Resp: 52248

Ion Ratio Lower Upper

228 100

226 30.2 25.5 38.3

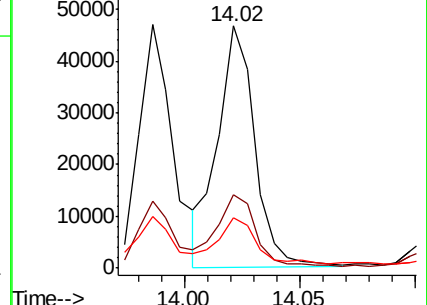
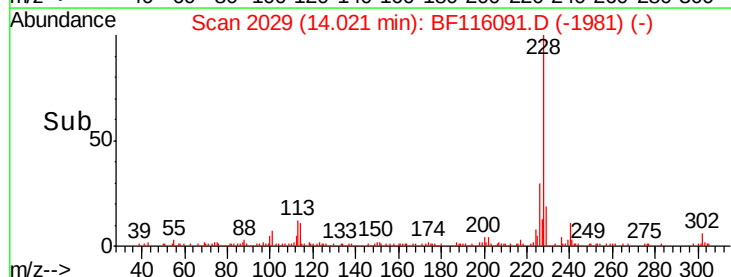
229 20.9 16.6 24.8

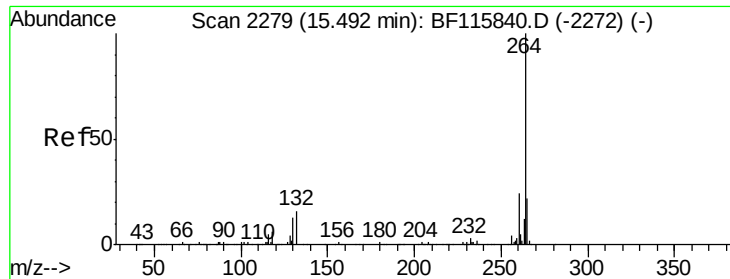


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

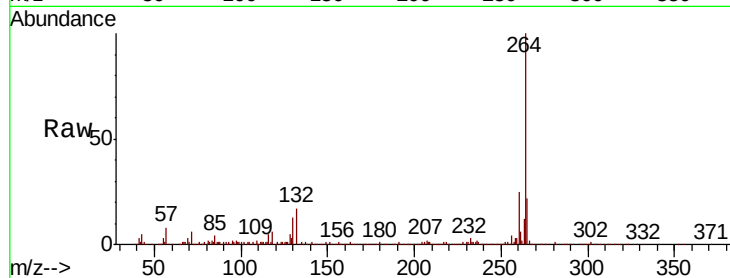




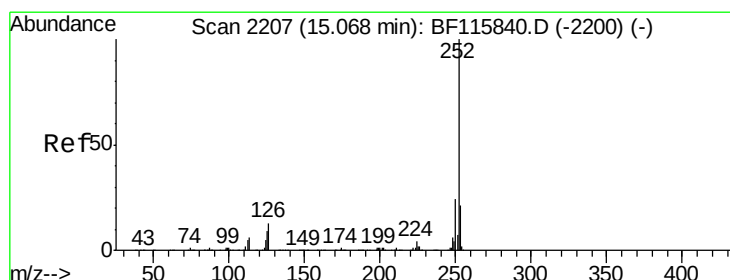
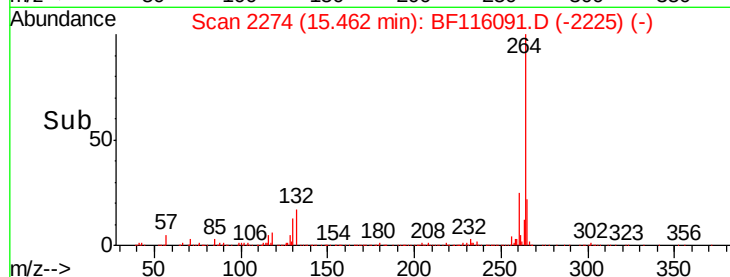
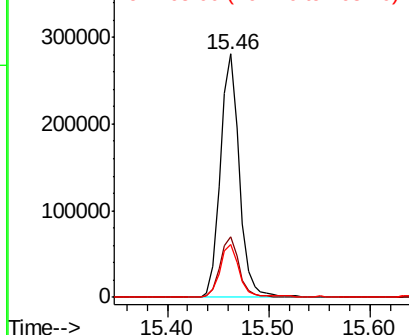
#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2274
 Delta R.T. -0.01 min
 Lab File: BF116091.D
 Acq: 9 Aug 2019 2:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:264 Resp: 364989
 Ion Ratio Lower Upper
 264 100
 260 24.7 19.7 29.5
 265 21.8 17.4 26.0

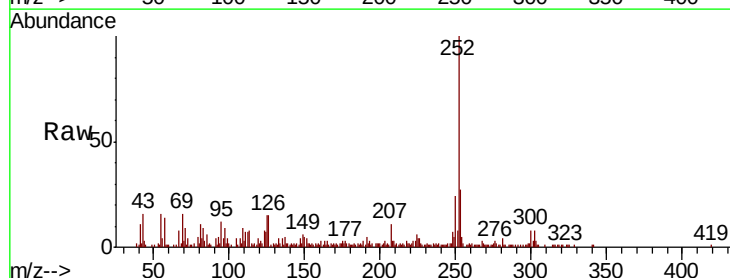


Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

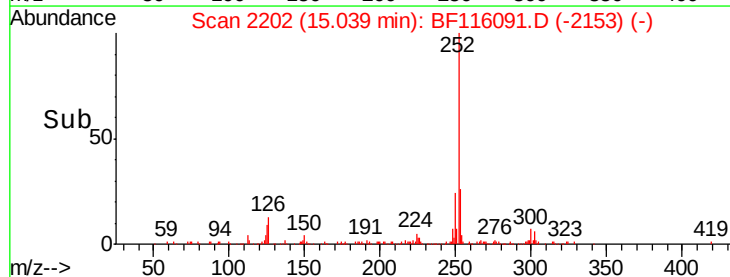
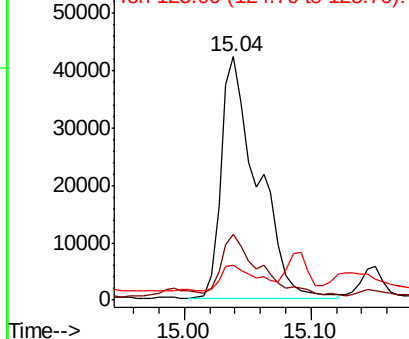


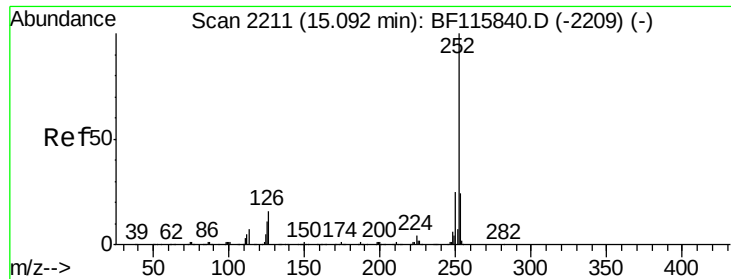
#88
 Benzo(b)fluoranthene
 Concen: 3.967 ng
 RT: 15.04 min Scan# 2202
 Delta R.T. -0.01 min
 Lab File: BF116091.D
 Acq: 9 Aug 2019 2:04

Tgt Ion:252 Resp: 83719
 Ion Ratio Lower Upper
 252 100
 253 26.9 17.8 26.8#
 125 14.6 8.4 12.6#



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: 4.073 ng

RT: 15.04 min Scan# 2202

Delta R.T. -0.04 min

Lab File: BF116091.D

Acq: 9 Aug 2019 2:04

Instrument :

BNA_F

ClientSampleId :

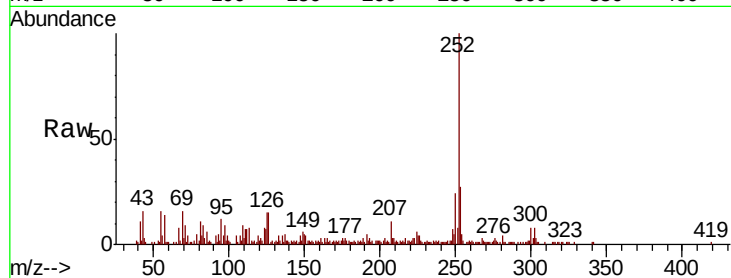
Tot Ion: 252 Resp: 83719

Ion Ratio Lower Upper

252 100

253 26.9 17.8 26.8#

125 14.6 7.7 11.5#



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

