

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF093019\
 Data File : BF117272.D
 Acq On : 30 Sep 2019 20:28
 Operator : JU
 Sample : K5093-06
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 01 01:41:27 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	27073	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	101969	20.00	ng	-0.01
39) Acenaphthene-d10	9.84	164	45019	20.00	ng	-0.02
64) Phenanthrene-d10	11.33	188	65075	20.00	ng	0.00
76) Chrysene-d12	13.97	240	67985	20.00	ng	0.00
87) Perylene-d12	15.43	264	70974	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	114750	66.17	ng	0.00
7) Phenol-d6	6.45	99	158720	70.82	ng	0.00
23) Nitrobenzene-d5	7.37	82	108468	55.89	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	23791	63.23	ng	-0.01
45) 2-Fluorobiphenyl	9.16	172	175847	61.07	ng	-0.01
79) Terphenyl-d14	12.91	244	155775	42.83	ng	0.00

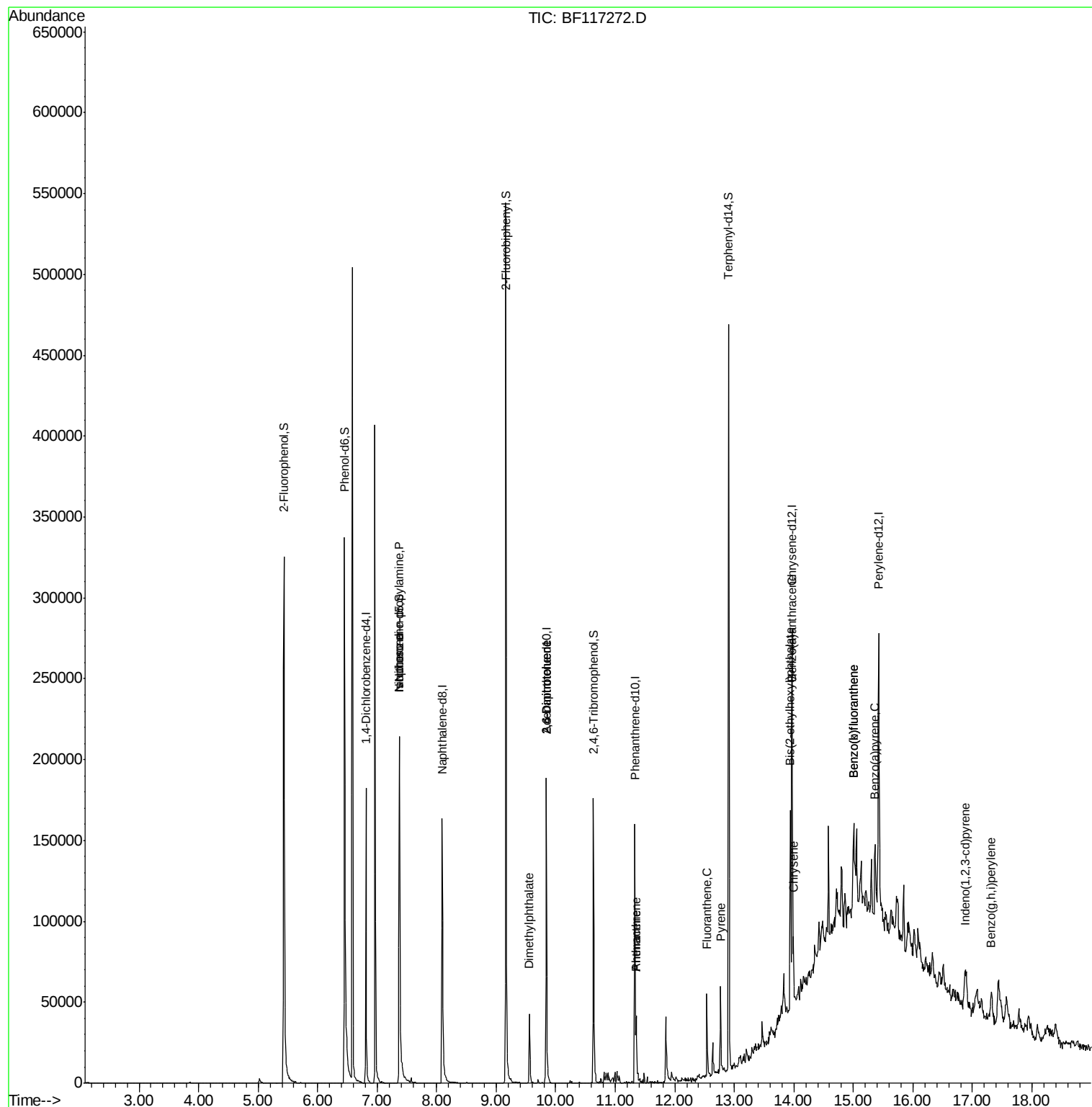
Target Compounds				Qvalue		
9) Benzaldehyde	6.45	77	124	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.37	70	13928	10.206	ng	# 74
25) Isophorone	7.37	82	108467	31.566	ng	# 66
50) Dimethylphthalate	9.56	163	21321	6.689	ng	# 96
51) 2,6-Dinitrotoluene	9.84	165	5439	8.378	ng	# 24
57) 2,4-Dinitrotoluene	9.84	165	5439	6.454	ng	# 18
71) Phenanthrene	11.35	178	10703	2.896	ng	97
72) Anthracene	11.35	178	10703	2.836	ng	97
75) Fluoranthene	12.54	202	23759	6.256	ng	97
78) Pyrene	12.77	202	24088	4.223	ng	98
81) Benzo(a)anthracene	13.96	228	16685	3.673	ng	96
83) Chrysene	13.99	228	16846	3.803	ng	92
84) Bis(2-ethylhexyl)phthalate	13.94	149	33806	9.727	ng	100
86) Indeno(1,2,3-cd)pyrene	16.87	276	11749	3.635	ng	93
88) Benzo(b)fluoranthene	15.00	252	36563	8.505	ng	# 91
89) Benzo(k)fluoranthene	15.00	252	36563	8.978	ng	# 91
90) Benzo(a)pyrene	15.36	252	15774	4.181	ng	# 81
92) Benzo(g,h,i)perylene	17.32	276	13076	4.366	ng	99

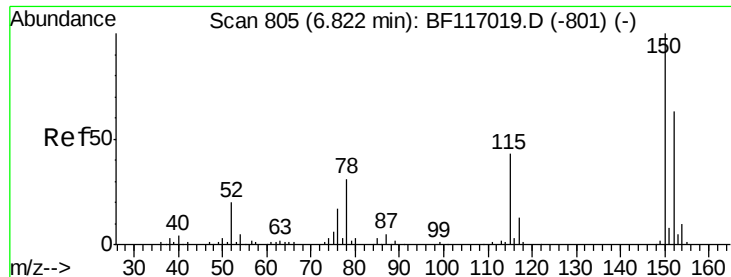
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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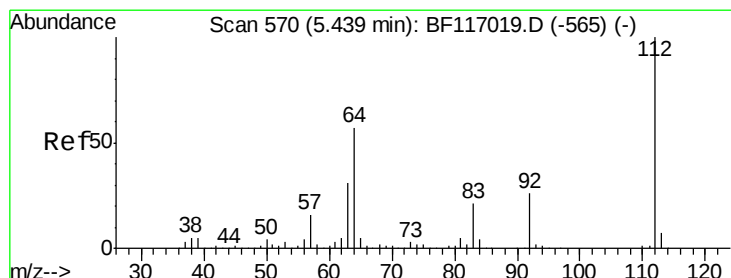
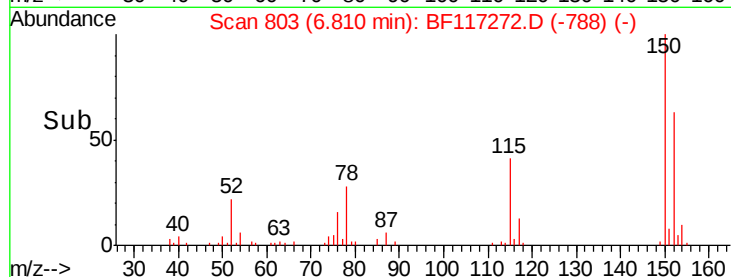
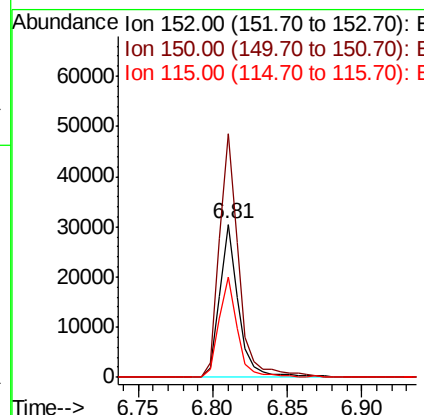
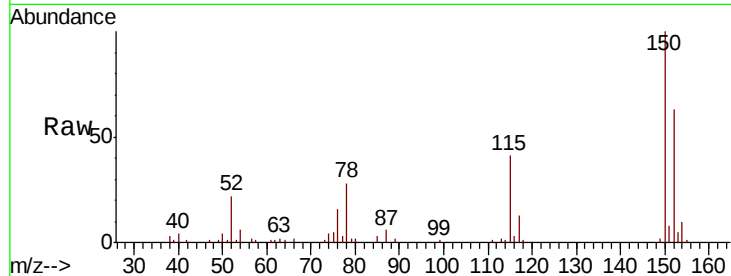




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.81 min Scan# 803
 Delta R.T. -0.01 min
 Lab File: BF117272.D
 Acq: 30 Sep 2019 20:28

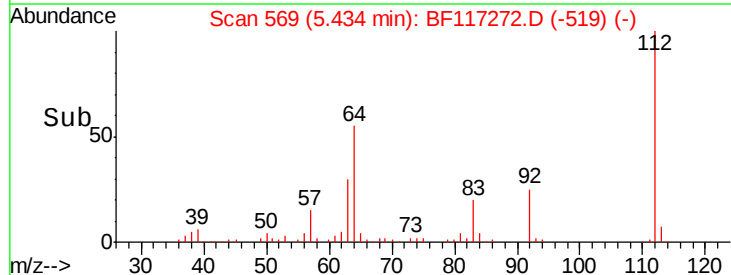
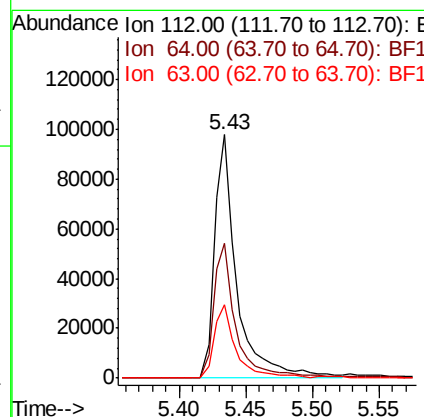
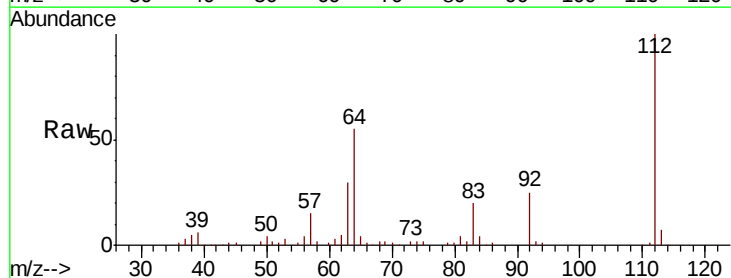
Instrument :
 BNA_F
 ClientSampleId :

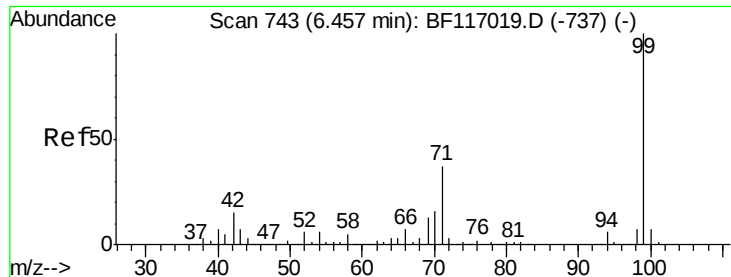
Tot Ion:152 Resp: 27073
 Ion Ratio Lower Upper
 152 100
 150 159.1 127.5 191.3
 115 65.5 55.0 82.4



#5
 2-Fluorophenol
 Concen: 66.174 ng
 RT: 5.43 min Scan# 569
 Delta R.T. -0.01 min
 Lab File: BF117272.D
 Acq: 30 Sep 2019 20:28

Tgt Ion:112 Resp: 114750
 Ion Ratio Lower Upper
 112 100
 64 55.4 45.7 68.5
 63 30.0 24.9 37.3





#7

Phenol-d6

Concen: 70.824 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF117272.D

Acq: 30 Sep 2019 20:28

Instrument :

BNA_F

ClientSampleId :

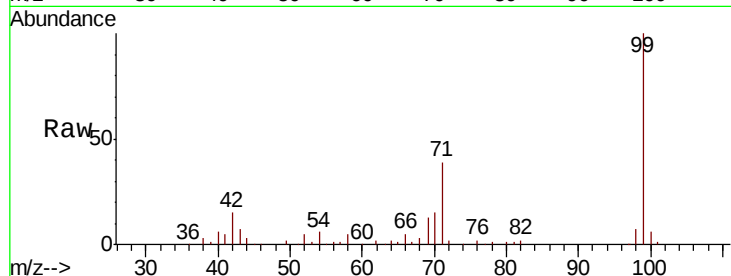
Tot Ion: 99 Resp: 158720

Ion Ratio Lower Upper

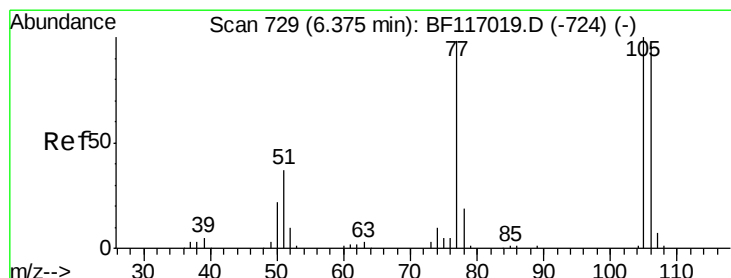
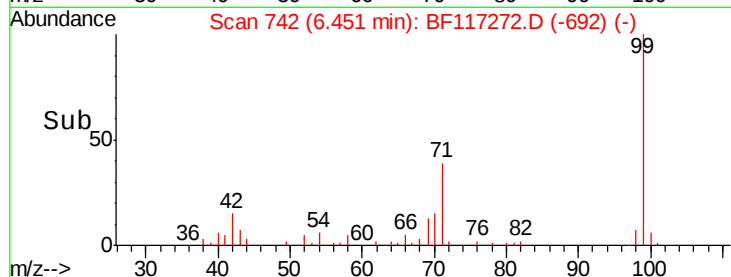
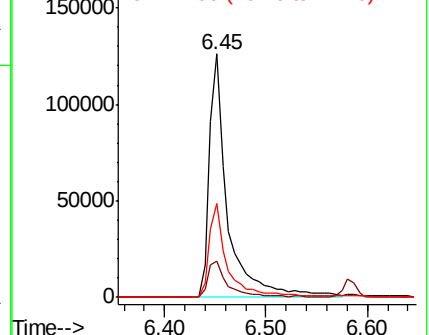
99 100

42 15.0 12.2 18.2

71 38.6 29.8 44.8



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



#9

Benzaldehyde

Concen: Below Cal

RT: 6.45 min Scan# 742

Delta R.T. 0.08 min

Lab File: BF117272.D

Acq: 30 Sep 2019 20:28

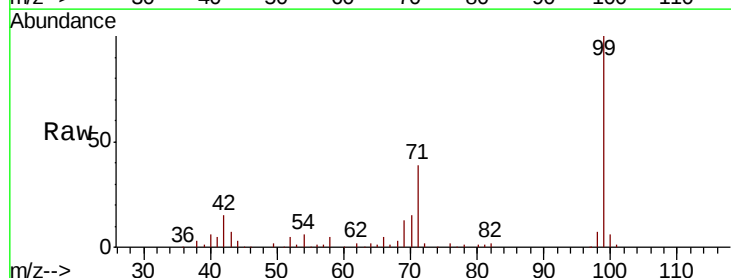
Tgt Ion: 77 Resp: 124

Ion Ratio Lower Upper

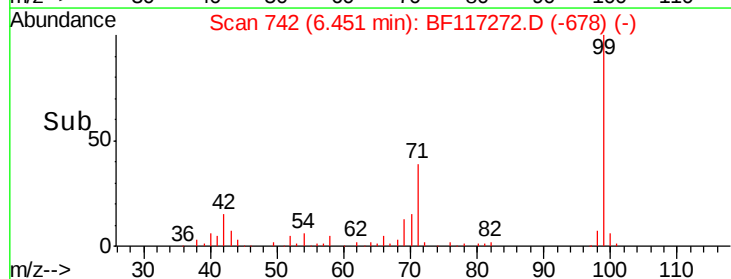
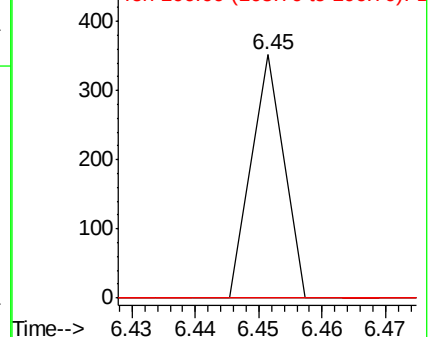
77 100

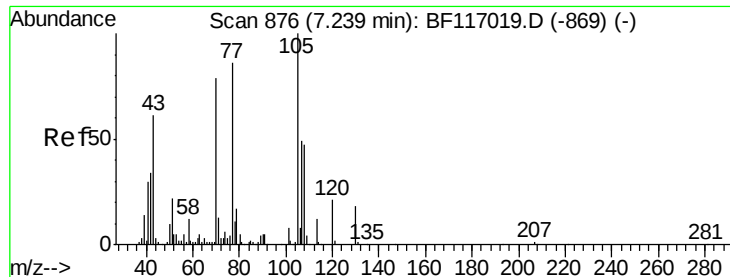
105 0.0 81.8 121.8#

106 0.0 77.3 117.3#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 10.206 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.13 min

Lab File: BF117272.D

Acq: 30 Sep 2019 20:28

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 13928

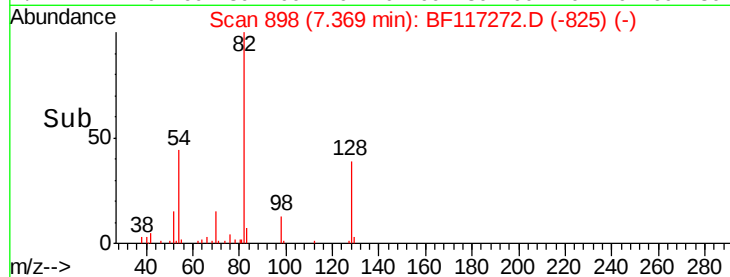
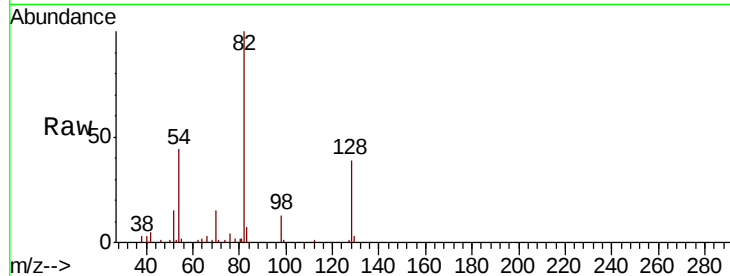
Ion Ratio Lower Upper

70 100

42 33.1 34.0 51.0#

101 0.0 7.8 11.6#

130 0.0 17.8 26.8#

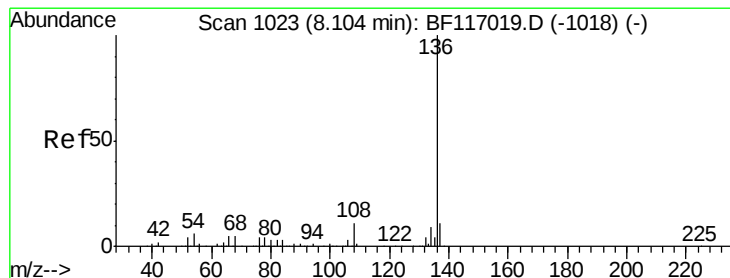
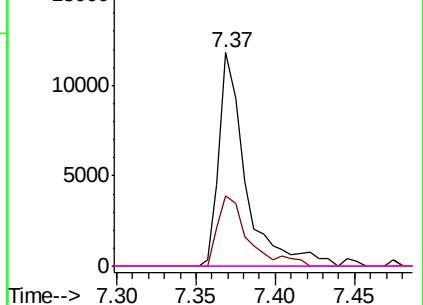


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF117272.D

Acq: 30 Sep 2019 20:28

Tgt Ion: 136 Resp: 101969

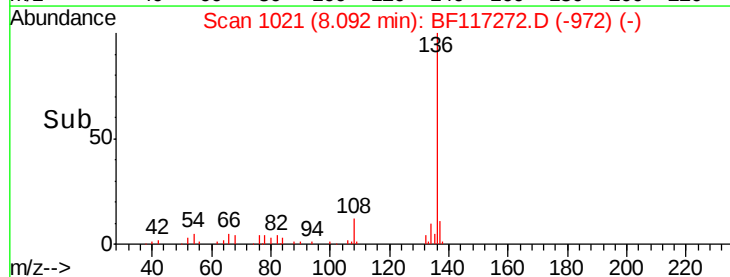
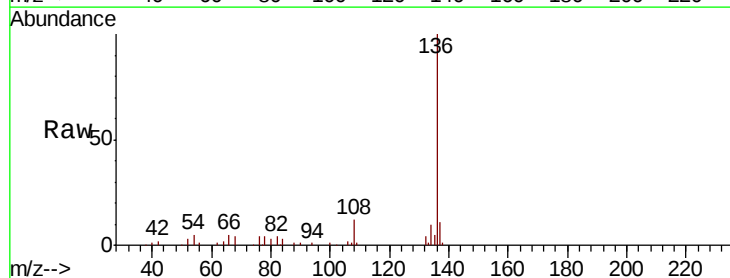
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.4

54 5.0 4.5 6.7

68 4.5 4.0 6.0

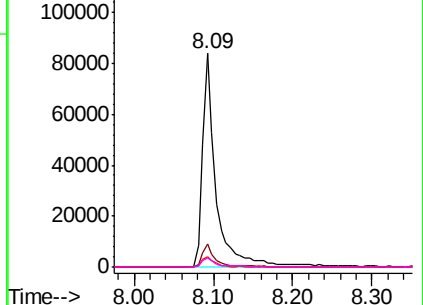


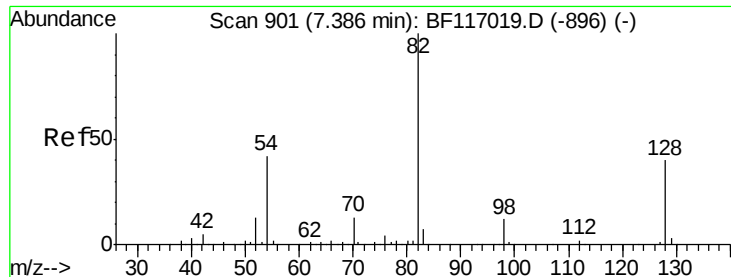
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

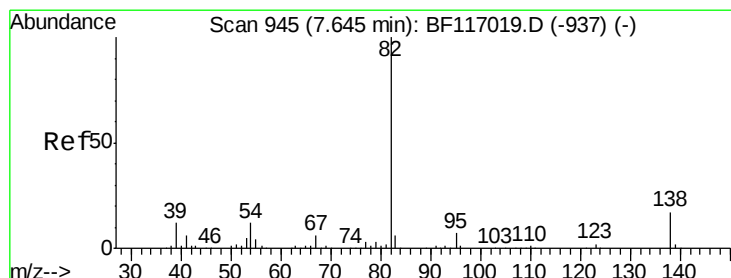
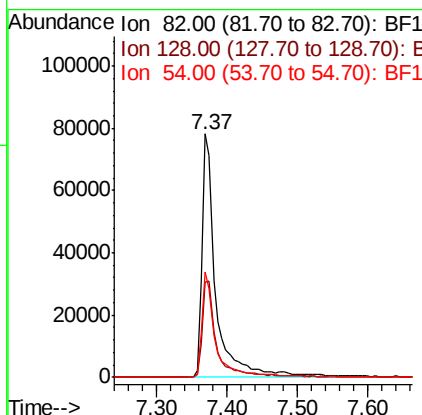
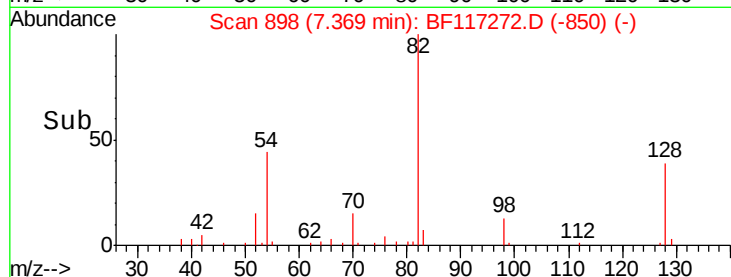
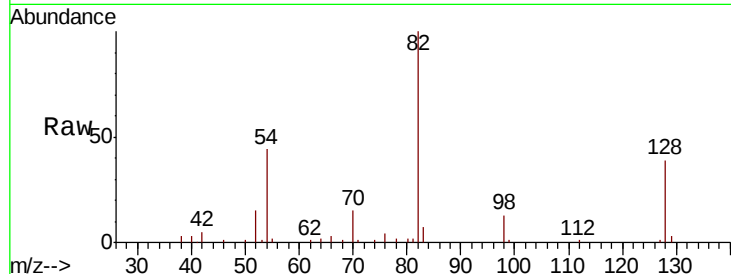




#23
Nitrobenzene-d5
Concen: 55.891 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.02 min
Lab File: BF117272.D
Acq: 30 Sep 2019 20:28

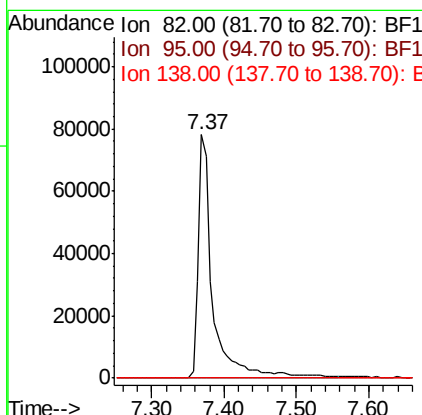
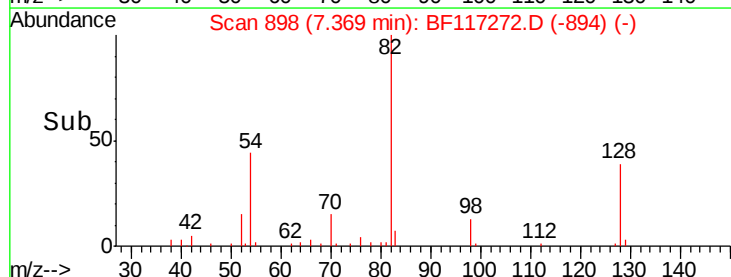
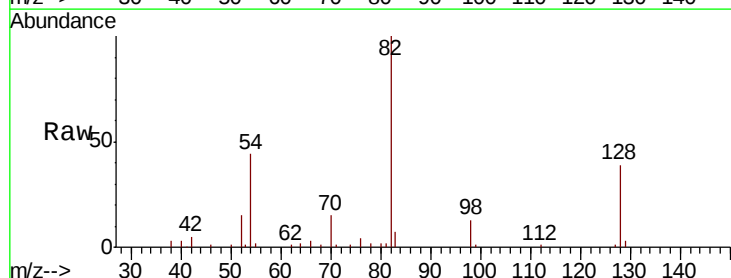
Instrument :
BNA_F
ClientSampled :

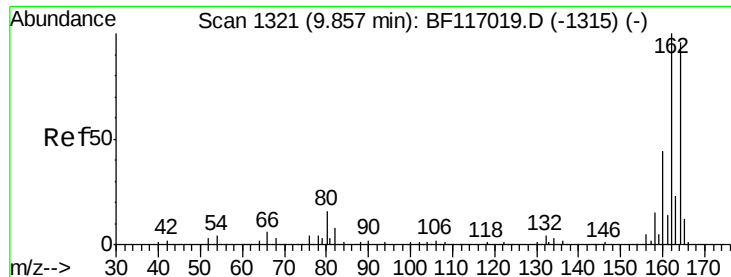
Tot Ion	82	Resp	108468
Ion Ratio	Lower	Upper	
82	100		
128	39.1	32.3	48.5
54	43.5	33.3	49.9



#25
Isophorone
Concen: 31.566 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.28 min
Lab File: BF117272.D
Acq: 30 Sep 2019 20:28

Tgt Ion	82	Resp	108467
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.8	8.6#
138	0.0	13.5	20.3#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.02 min

Lab File: BF117272.D

Acq: 30 Sep 2019 20:28

Instrument :

BNA_F

ClientSampleId :

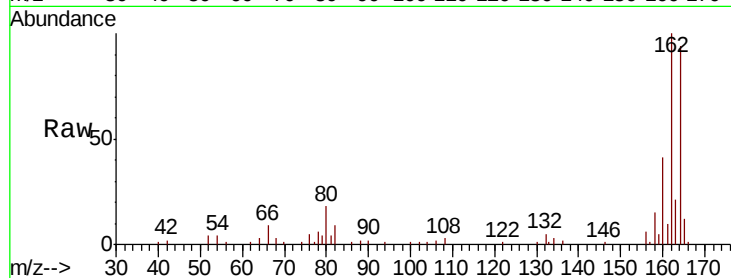
Tot Ion:164 Resp: 45019

Ion Ratio Lower Upper

164 100

162 105.9 83.4 125.2

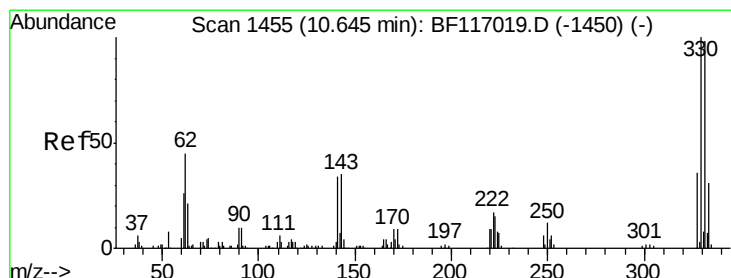
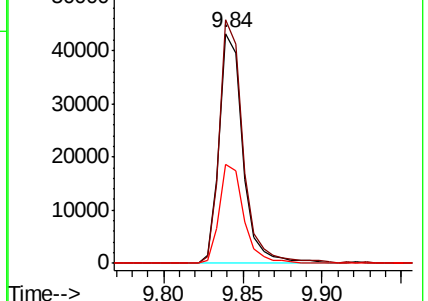
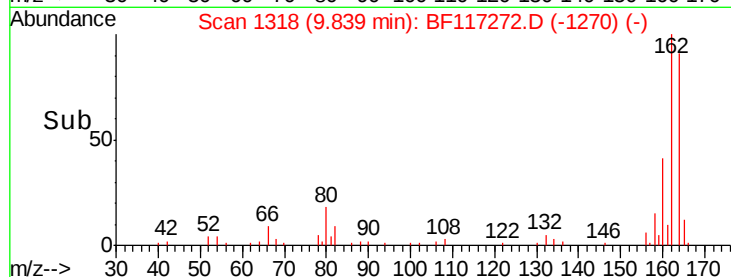
160 43.3 36.4 54.6



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: 63.231 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF117272.D

Acq: 30 Sep 2019 20:28

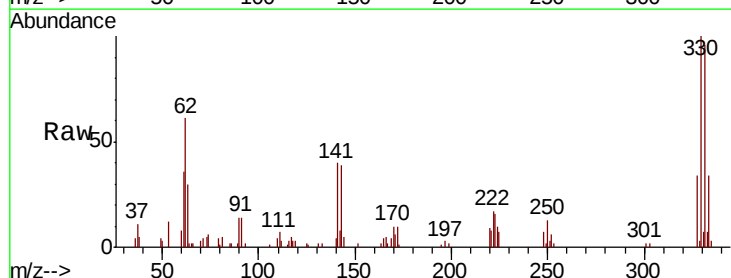
Tgt Ion:330 Resp: 23791

Ion Ratio Lower Upper

330 100

332 97.3 78.0 117.0

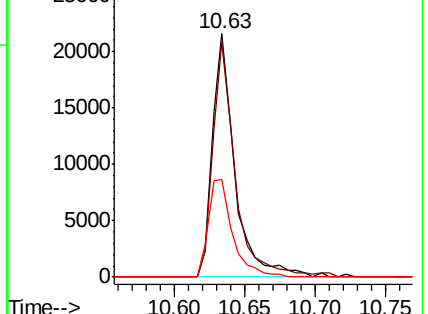
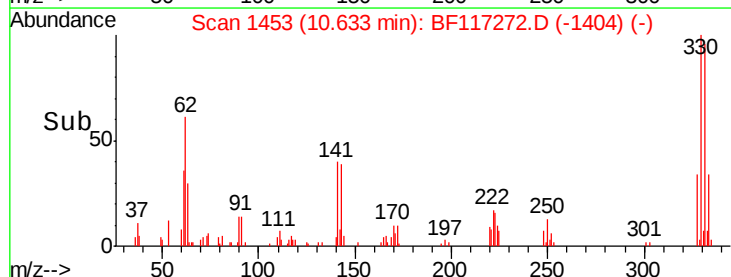
141 43.8 35.8 53.6

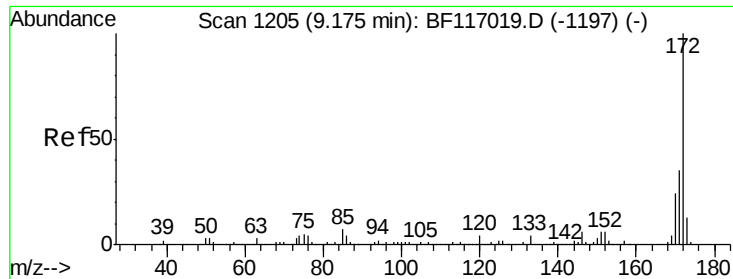


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

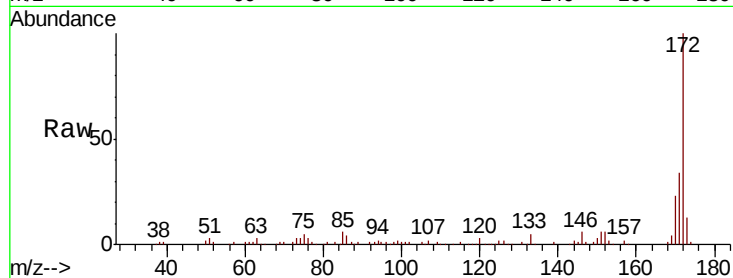




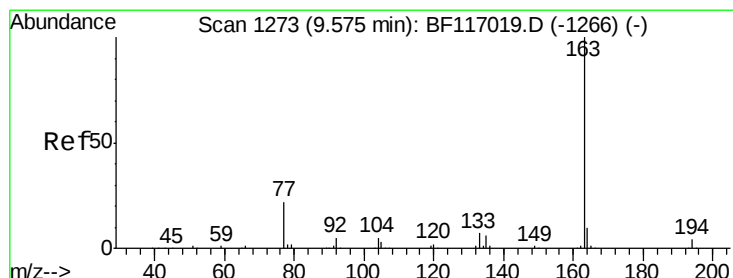
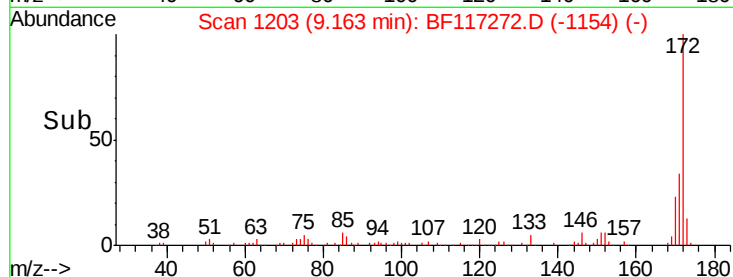
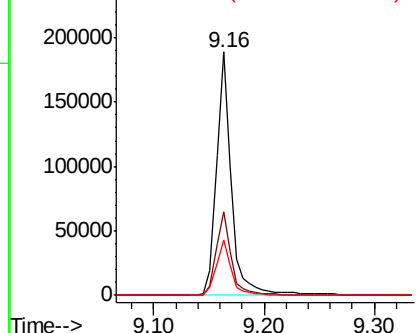
#45
2-Fluorobiphenyl
Concen: 61.074 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF117272.D
Acq: 30 Sep 2019 20:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 175847
Ion Ratio Lower Upper
172 100
171 34.4 28.2 42.2
170 22.7 18.9 28.3

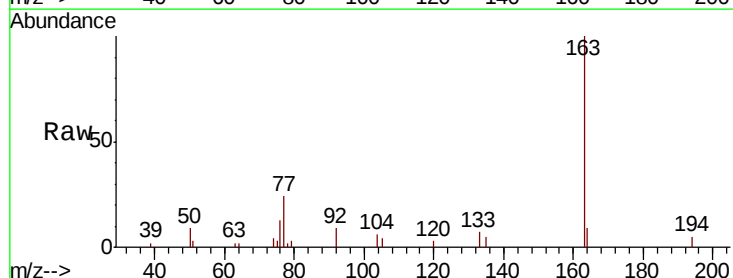


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

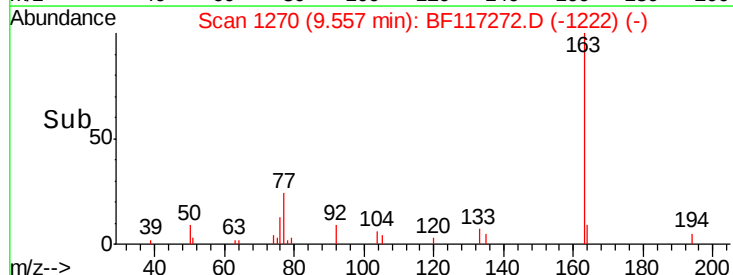
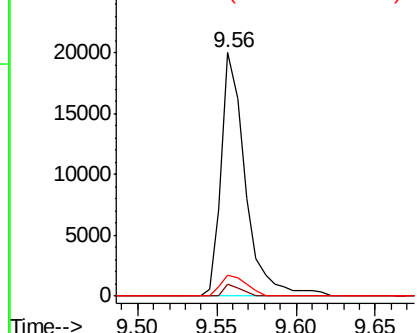


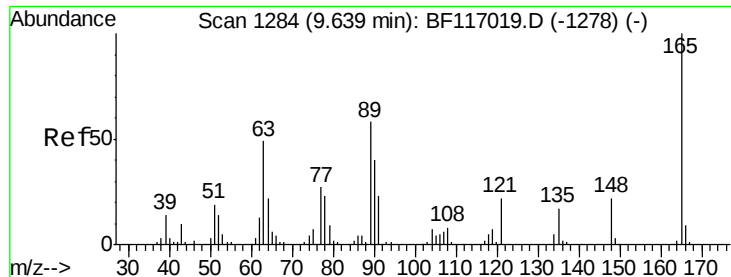
#50
Dimethylphthalate
Concen: 6.689 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BF117272.D
Acq: 30 Sep 2019 20:28

Tgt Ion:163 Resp: 21321
Ion Ratio Lower Upper
163 100
194 5.0 2.9 4.3#
164 8.7 8.2 12.4



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

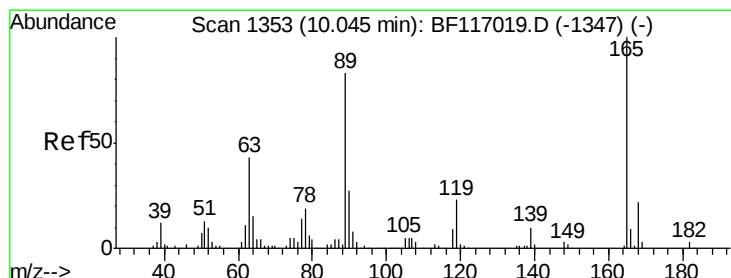
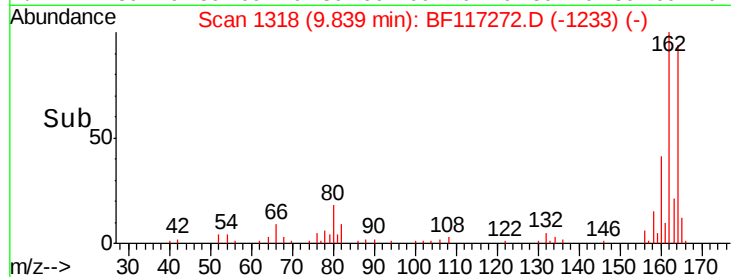
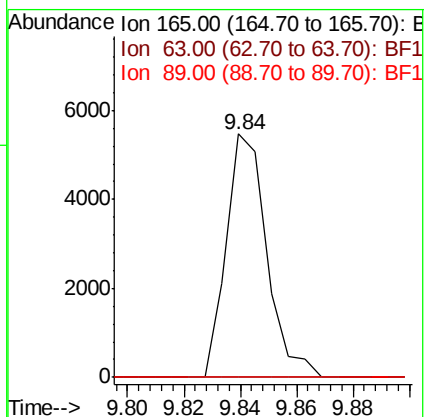
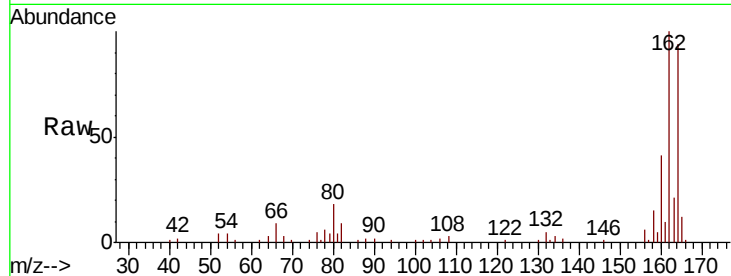




#51
 2,6-Dinitrotoluene
 Concen: 8.378 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. 0.20 min
 Lab File: BF117272.D
 Acq: 30 Sep 2019 20:28

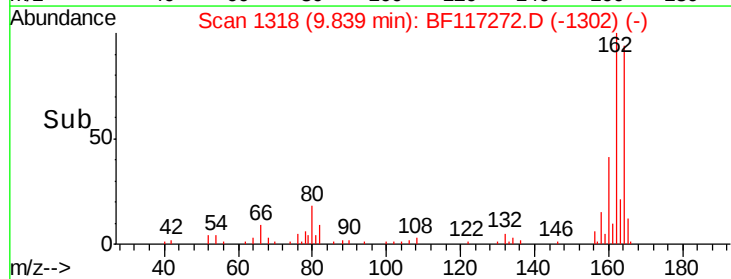
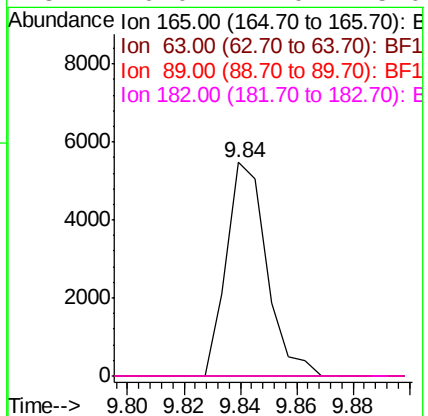
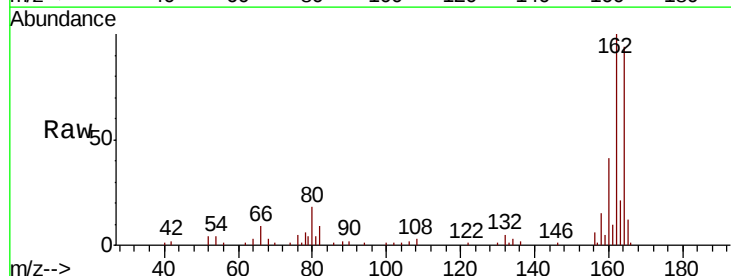
Instrument :
 BNA_F
 ClientSampleId :

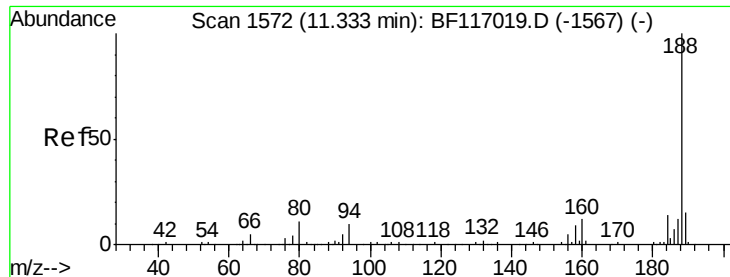
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	41.8	62.8#
89	0.0	46.5	69.7#



#57
 2,4-Dinitrotoluene
 Concen: 6.454 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.21 min
 Lab File: BF117272.D
 Acq: 30 Sep 2019 20:28

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	35.0	52.4#
89	0.0	66.1	99.1#
182	0.0	2.0	3.0#

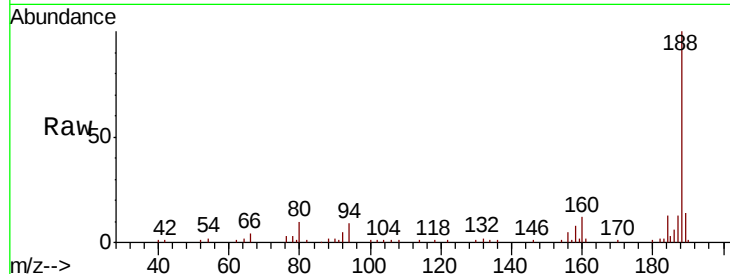




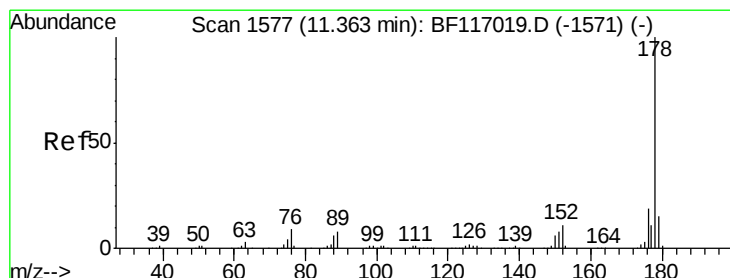
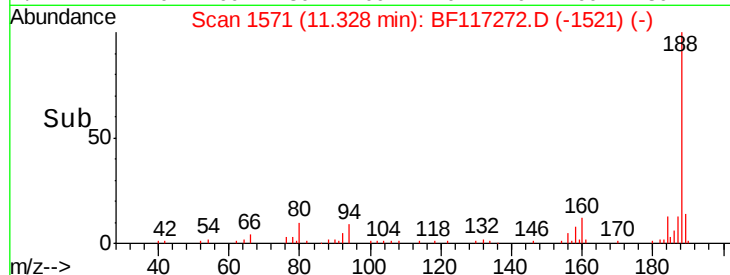
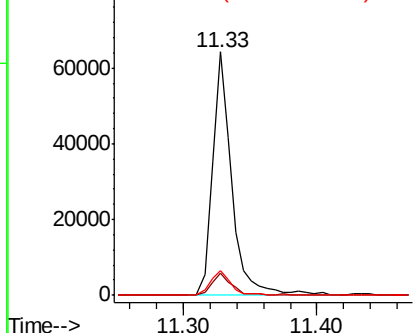
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF117272.D
Acq: 30 Sep 2019 20:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 65075
Ion Ratio Lower Upper
188 100
94 9.4 8.2 12.2
80 10.2 9.0 13.6

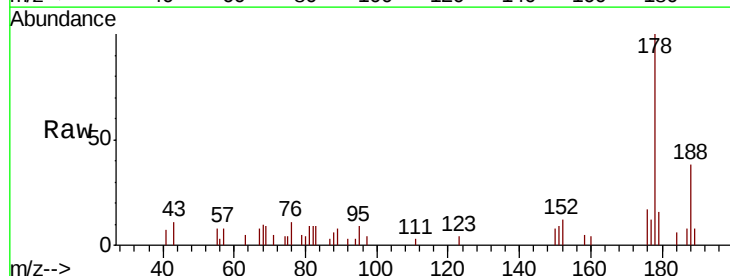


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

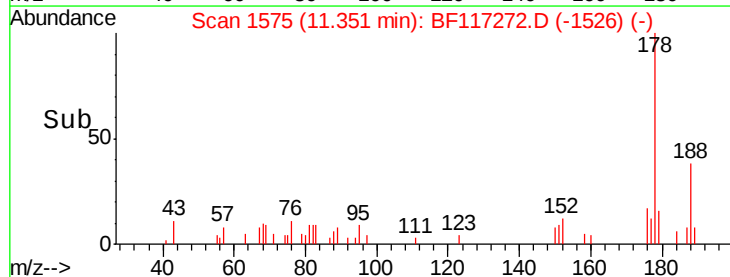
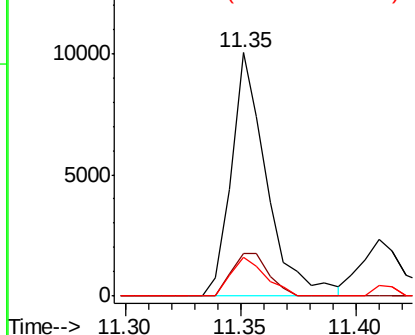


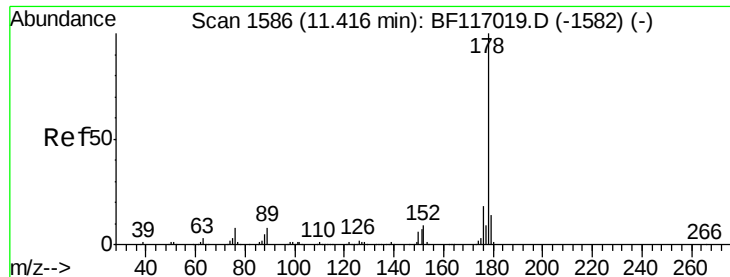
#71
Phenanthrene
Concen: 2.896 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BF117272.D
Acq: 30 Sep 2019 20:28

Tgt Ion:178 Resp: 10703
Ion Ratio Lower Upper
178 100
176 17.4 15.4 23.2
179 16.0 12.4 18.6



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: 2.836 ng

RT: 11.35 min Scan# 1575

Delta R.T. -0.06 min

Lab File: BF117272.D

Acq: 30 Sep 2019 20:28

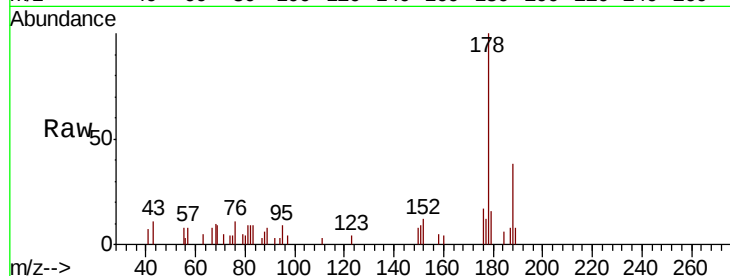
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 10703

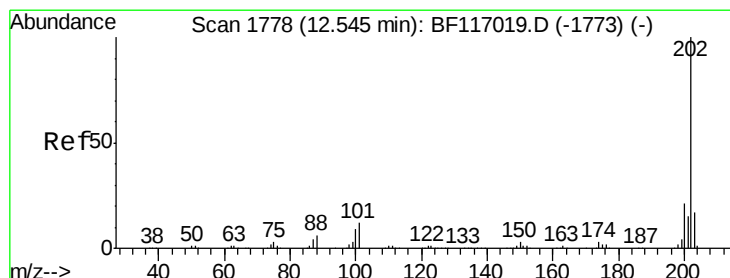
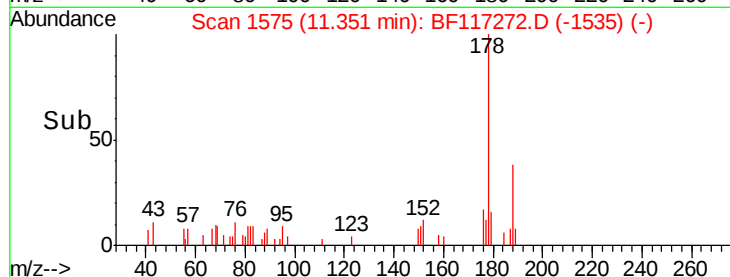
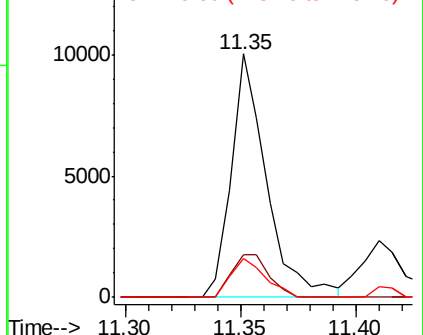
Ion	Ratio	Lower	Upper
178	100		
176	17.4	14.6	21.8
179	16.0	11.6	17.4



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: 6.256 ng

RT: 12.54 min Scan# 1777

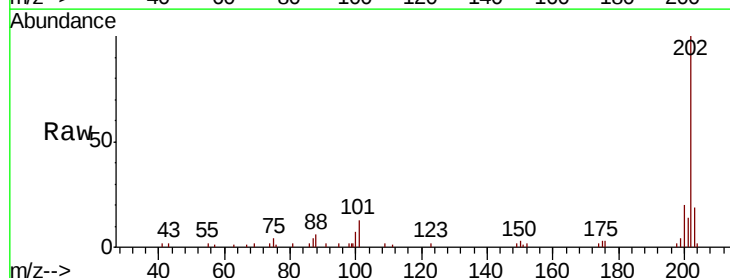
Delta R.T. -0.01 min

Lab File: BF117272.D

Acq: 30 Sep 2019 20:28

Tgt Ion:202 Resp: 23759

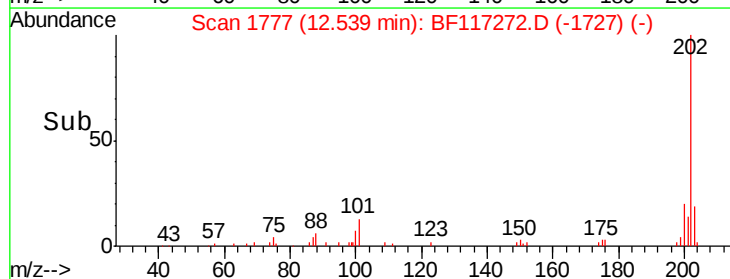
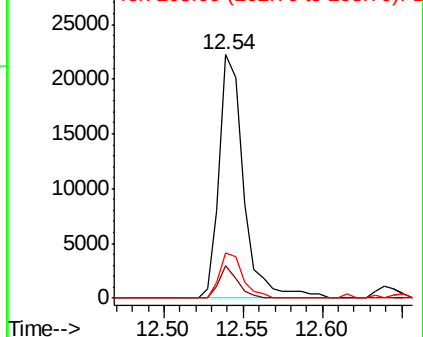
Ion	Ratio	Lower	Upper
202	100		
101	13.3	0.0	32.3
203	18.7	0.0	37.1

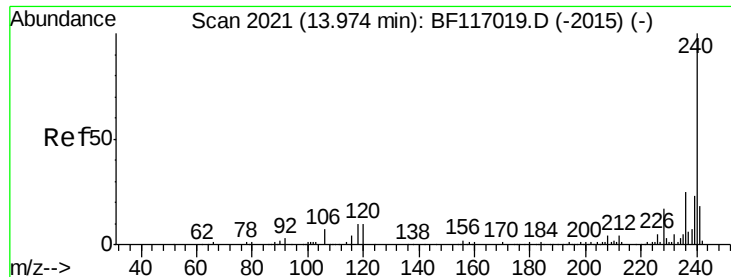


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

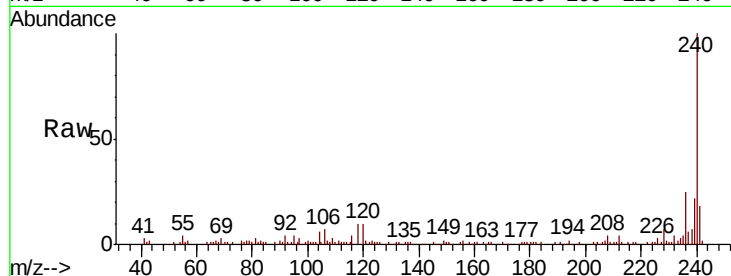




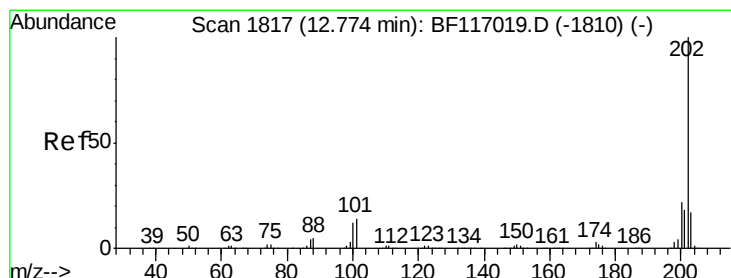
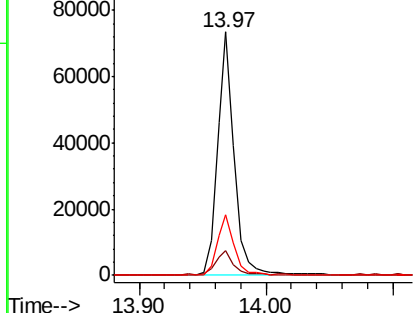
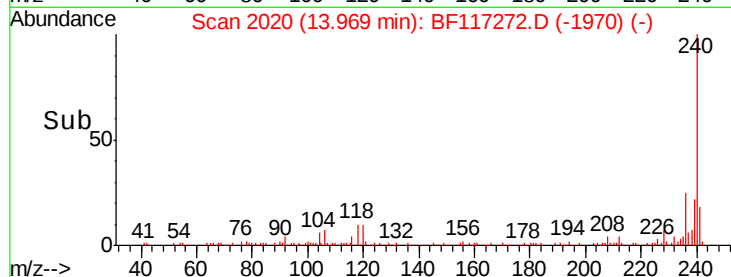
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF117272.D
Acq: 30 Sep 2019 20:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 67985
Ion Ratio Lower Upper
240 100
120 10.2 8.3 12.5
236 24.7 20.3 30.5

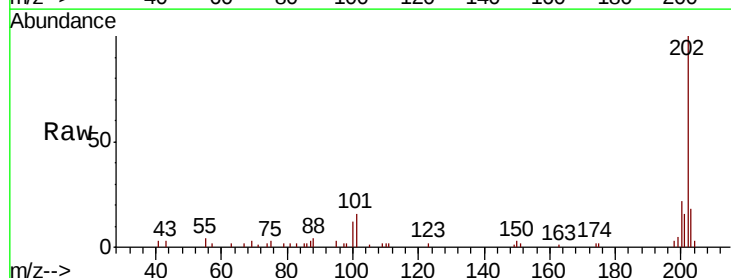


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

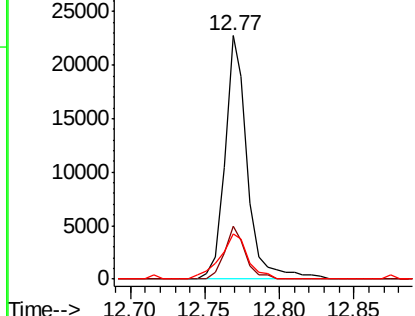
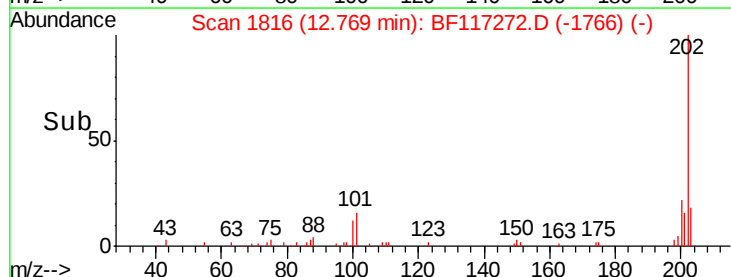


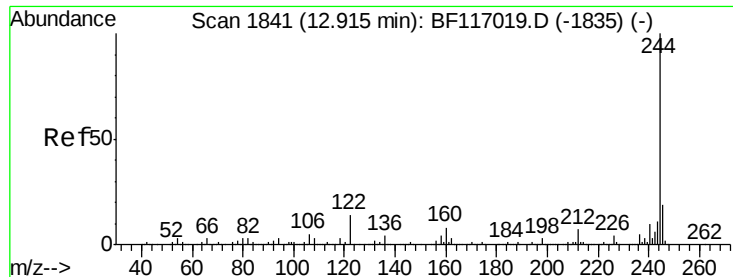
#78
Pyrene
Concen: 4.223 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.01 min
Lab File: BF117272.D
Acq: 30 Sep 2019 20:28

Tgt Ion:202 Resp: 24088
Ion Ratio Lower Upper
202 100
200 22.0 17.2 25.8
203 18.4 14.0 21.0



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

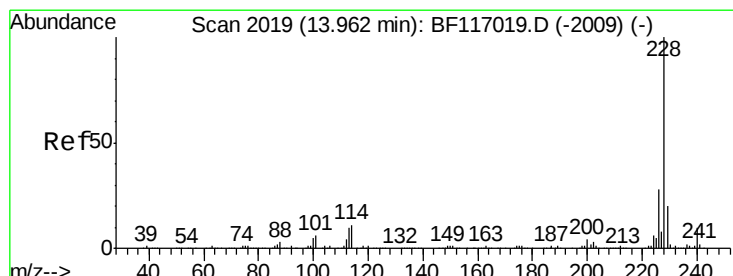
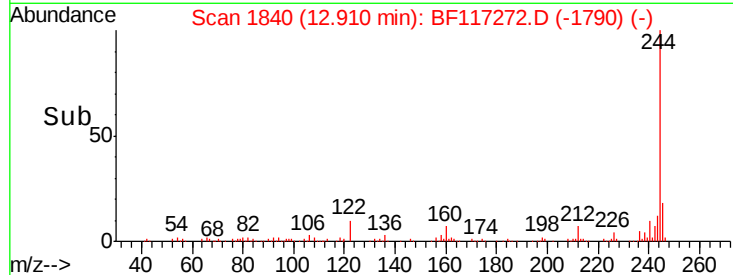
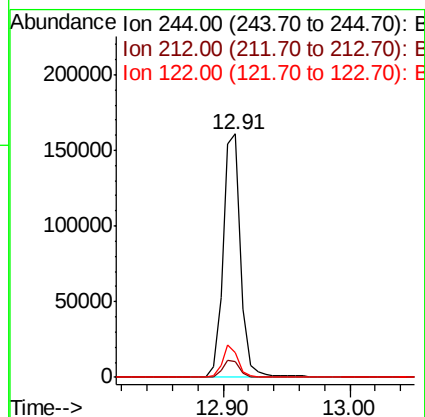
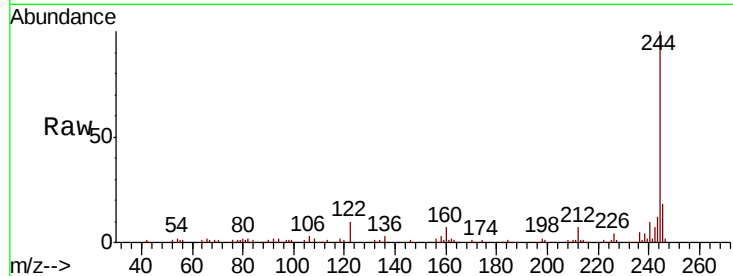




#79
 Terphenyl-d14
 Concen: 42.830 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: BF117272.D
 Acq: 30 Sep 2019 20:28

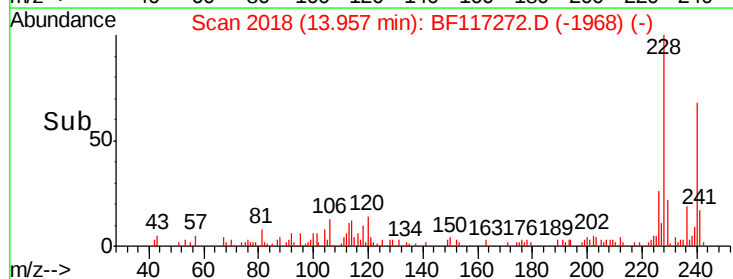
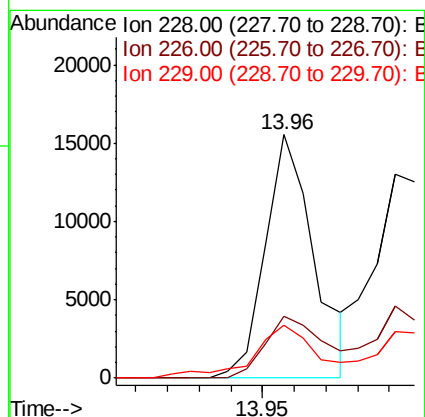
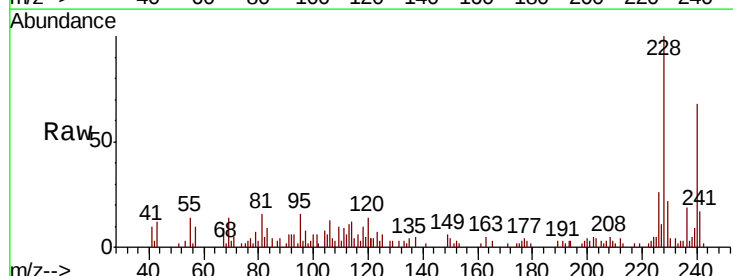
Instrument :
 BNA_F
 ClientSampleId :

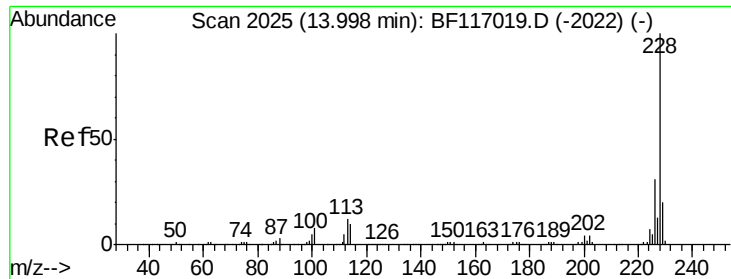
Tot Ion:244 Resp: 155775
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.8 8.8
 122 10.1 11.3 16.9#



#81
 Benzo(a)anthracene
 Concen: 3.673 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. -0.01 min
 Lab File: BF117272.D
 Acq: 30 Sep 2019 20:28

Tgt Ion:228 Resp: 16685
 Ion Ratio Lower Upper
 228 100
 226 25.6 22.3 33.5
 229 21.9 15.9 23.9

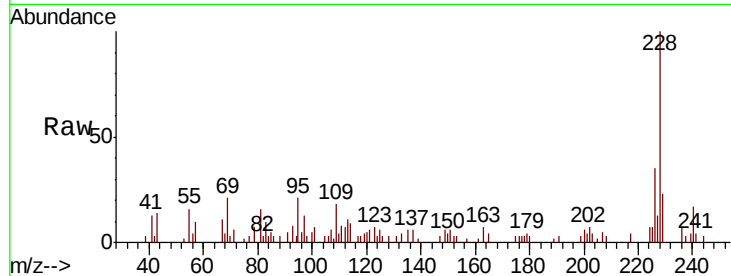




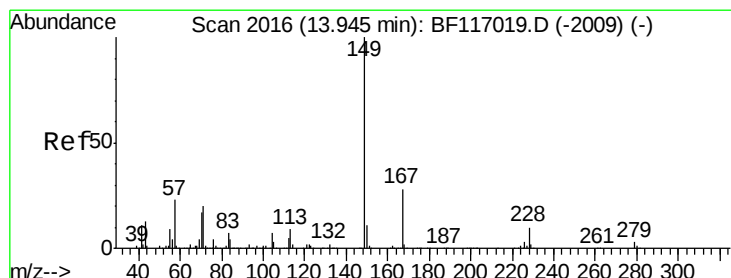
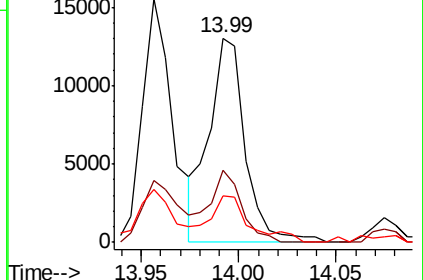
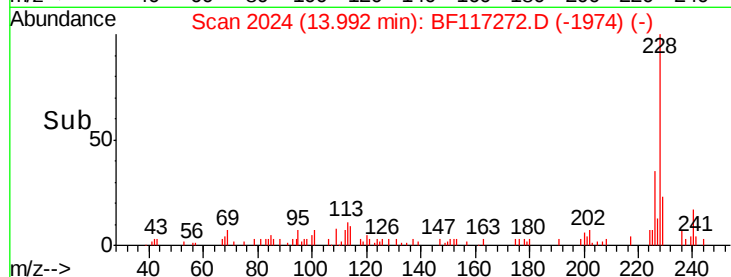
#83
Chrysene
Concen: 3.803 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF117272.D
Acq: 30 Sep 2019 20:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 16846
Ion Ratio Lower Upper
228 100
226 35.4 24.8 37.2
229 22.9 15.8 23.8

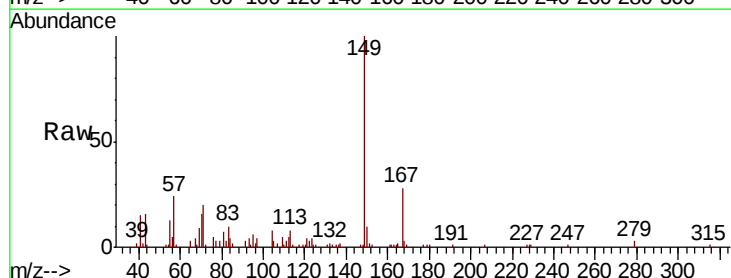


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

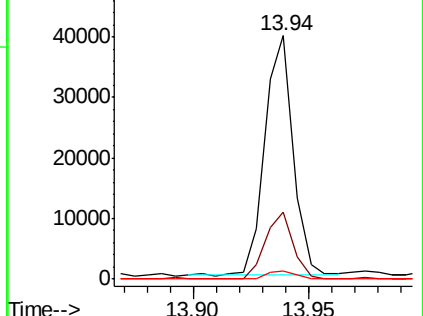
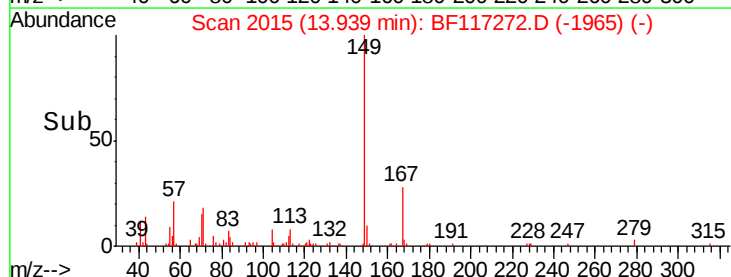


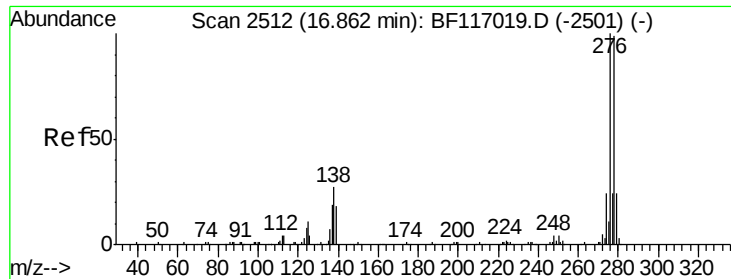
#84
Bis(2-ethylhexyl)phthalate
Concen: 9.727 ng
RT: 13.94 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BF117272.D
Acq: 30 Sep 2019 20:28

Tgt Ion:149 Resp: 33806
Ion Ratio Lower Upper
149 100
167 27.7 22.2 33.2
279 3.4 2.8 4.2



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E

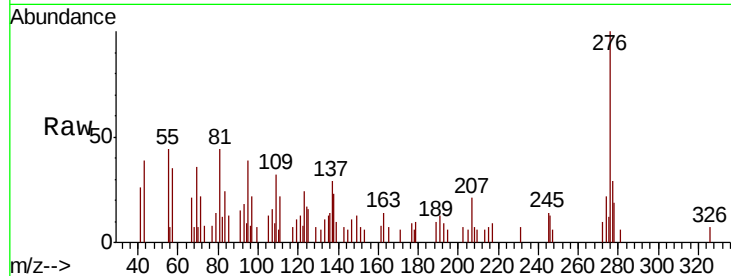




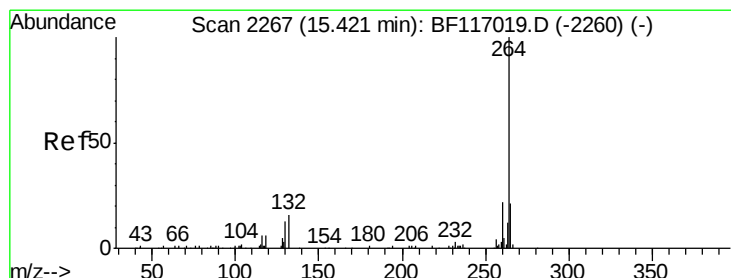
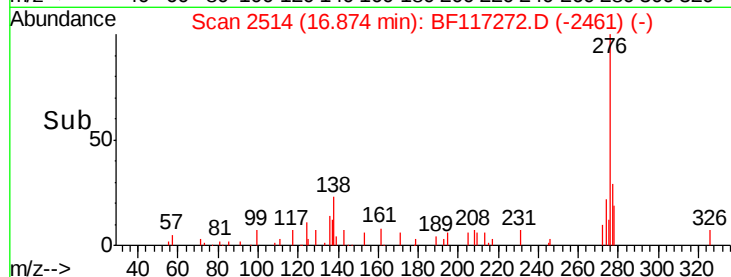
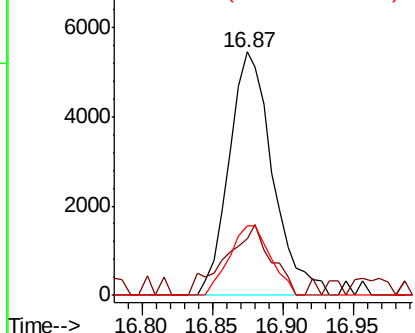
#86
Indeno(1,2,3-cd)pyrene
Concen: 3.635 ng
RT: 16.87 min Scan# 2514
Delta R.T. 0.01 min
Lab File: BF117272.D
Acq: 30 Sep 2019 20:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion:276 Resp: 11749
Ion Ratio Lower Upper
276 100
138 30.1 20.7 31.1
277 27.3 19.8 29.8

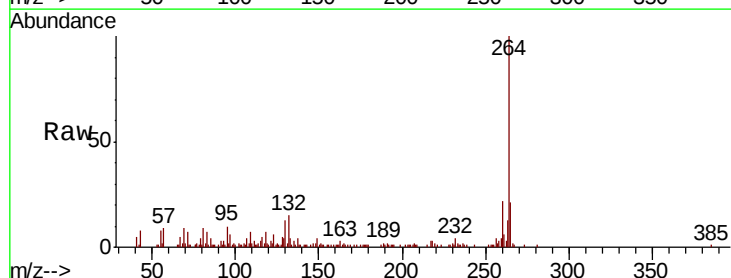


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

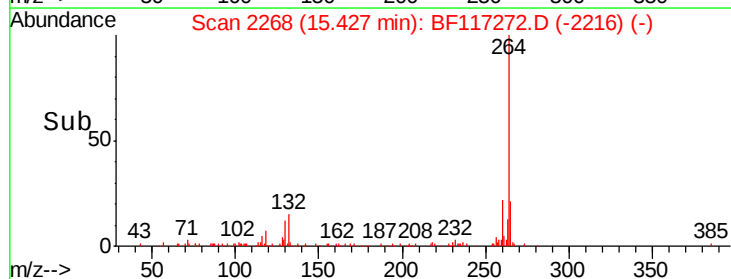
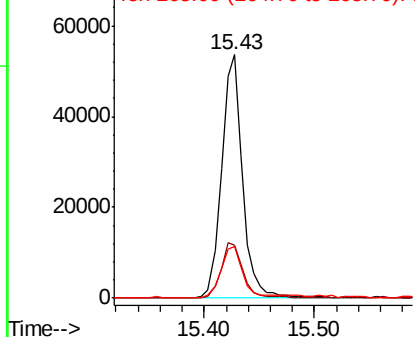


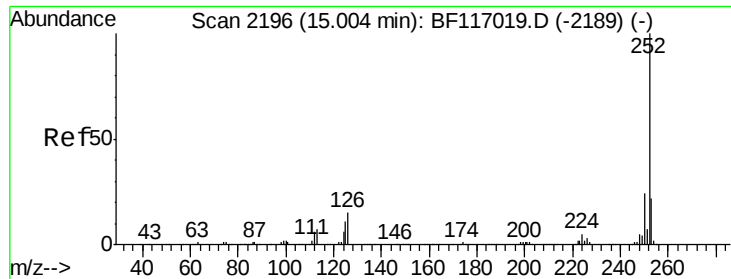
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.01 min
Lab File: BF117272.D
Acq: 30 Sep 2019 20:28

Tgt Ion:264 Resp: 70974
Ion Ratio Lower Upper
264 100
260 21.6 17.6 26.4
265 21.4 16.6 24.8



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

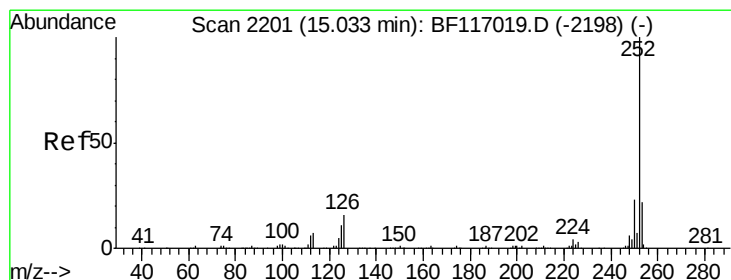
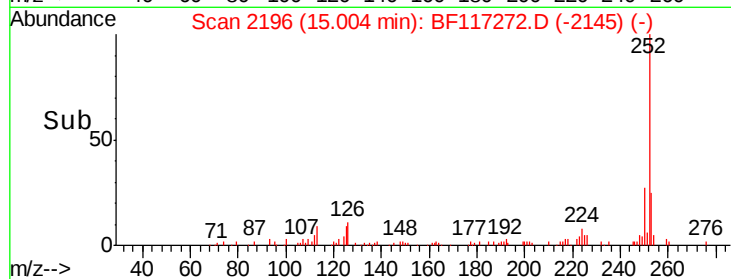
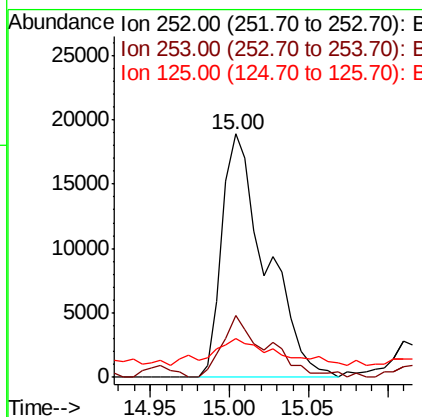
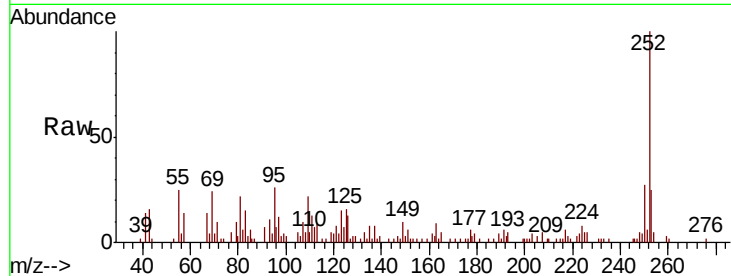




#88
Benzo(b)fluoranthene
Concen: 8.505 ng
RT: 15.00 min Scan# 2196
Delta R.T. 0.00 min
Lab File: BF117272.D
Acq: 30 Sep 2019 20:28

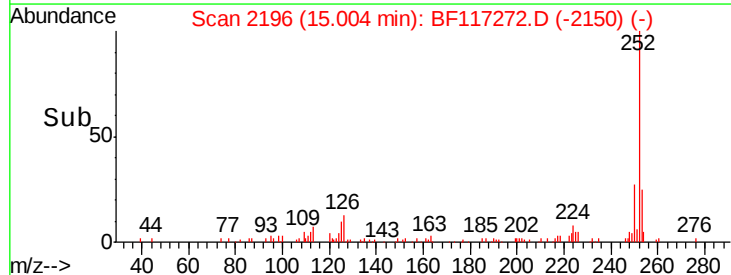
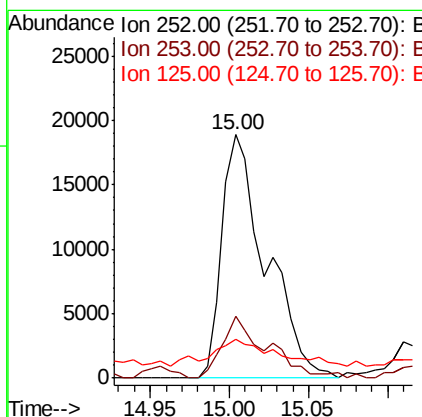
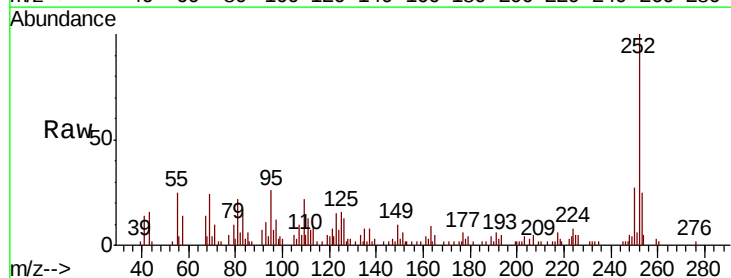
Instrument :
BNA_F
ClientSampleId :

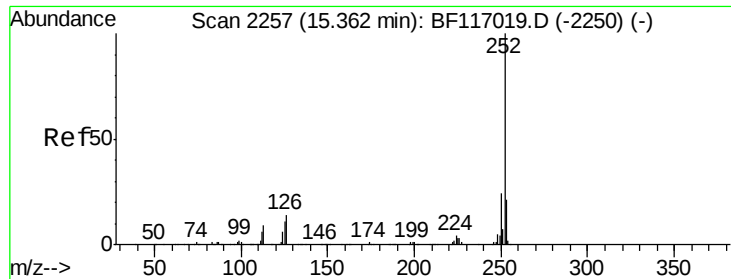
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.6	26.4
125	15.8	8.6	12.8#



#89
Benzo(k)fluoranthene
Concen: 8.978 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.03 min
Lab File: BF117272.D
Acq: 30 Sep 2019 20:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.4	26.2
125	15.8	8.8	13.2#





#90

Benzo(a)pyrene

Concen: 4.181 ng

RT: 15.36 min Scan# 2257

Delta R.T. 0.00 min

Lab File: BF117272.D

Acq: 30 Sep 2019 20:28

Instrument :

BNA_F

ClientSampleId :

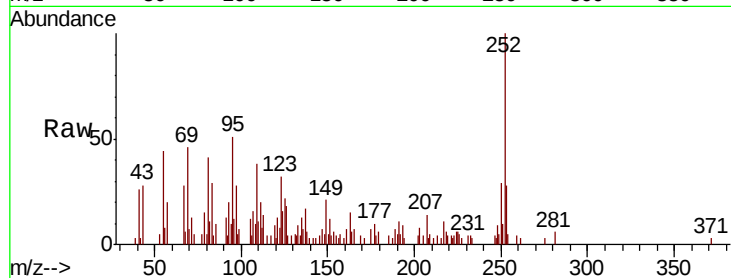
Tot Ion:252 Resp: 15774

Ion Ratio Lower Upper

252 100

253 27.6 16.6 25.0#

125 21.6 8.9 13.3#

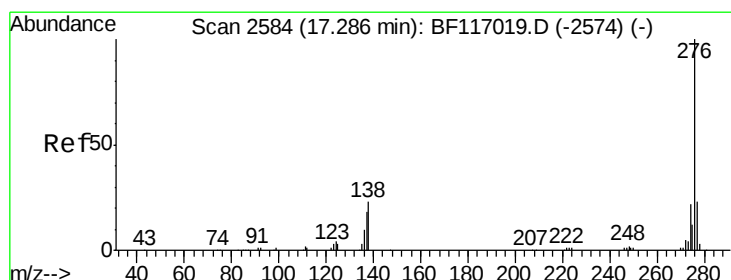
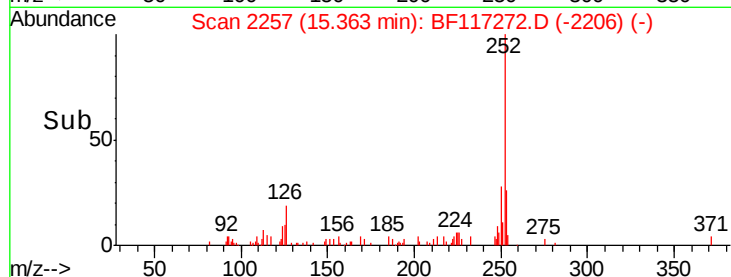
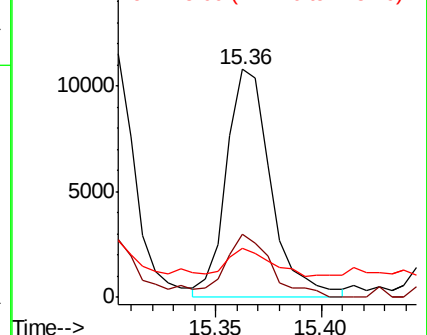


Abundance

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



#92

Benzo(g,h,i)perylene

Concen: 4.366 ng

RT: 17.32 min Scan# 2589

Delta R.T. 0.03 min

Lab File: BF117272.D

Acq: 30 Sep 2019 20:28

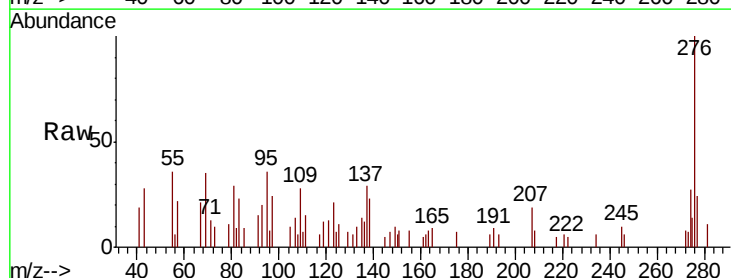
Tgt Ion:276 Resp: 13076

Ion Ratio Lower Upper

276 100

277 24.0 18.6 27.8

138 22.8 18.0 27.0



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

