

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
 Data File : BF117594.D
 Acq On : 29 Oct 2019 16:44
 Operator : JU
 Sample : K5540-11
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 30 03:31:28 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 18:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	40998	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	150315	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	61596	20.00	ng	-0.01
64) Phenanthrene-d10	11.25	188	83124	20.00	ng	0.00
76) Chrysene-d12	13.89	240	70823	20.00	ng	0.00
87) Perylene-d12	15.33	264	58806	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	256665	93.14	ng	0.00
7) Phenol-d6	6.39	99	334311	90.32	ng	0.00
23) Nitrobenzene-d5	7.29	82	228903	75.18	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	41588	78.03	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	269202	61.58	ng	-0.01
79) Terphenyl-d14	12.83	244	174657	40.23	ng	0.00

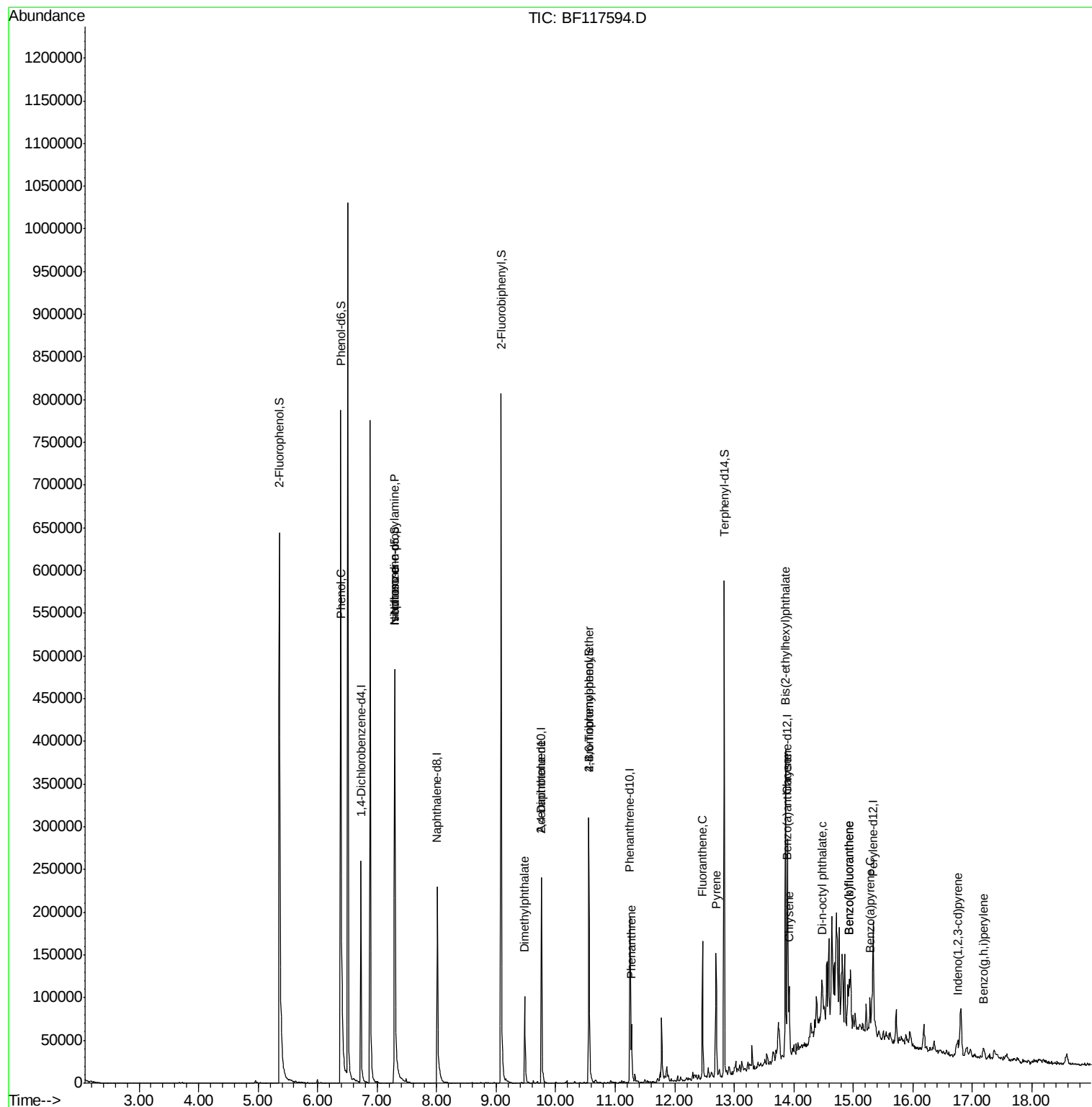
Target Compounds				Qvalue		
9) Benzaldehyde	6.39	77	505	Below Cal	#	3
10) Phenol	6.40	94	14932	3.953	ng	92
19) n-Nitroso-di-n-propylamine	7.29	70	30017	13.279	ng	# 80
25) Isophorone	7.29	82	228902	43.458	ng	# 65
50) Dimethylphthalate	9.48	163	50008	11.388	ng	98
57) 2,4-Dinitrotoluene	9.76	165	7719	6.336	ng	# 12
67) 4-Bromophenyl-phenylether	10.56	248	2689	3.003	ng	# 1
71) Phenanthrene	11.27	178	30570	6.334	ng	98
75) Fluoranthene	12.46	202	67085	13.884	ng	98
77) Benzidine	12.83	184	2398	Below Cal		97
78) Pyrene	12.69	202	61666	10.137	ng	99
81) Benzo(a)anthracene	13.88	228	31711	6.638	ng	97
83) Chrysene	13.92	228	32099	6.856	ng	98
84) Bis(2-ethylhexyl)phthalate	13.86	149	94633	22.316	ng	# 94
85) Di-n-octyl phthalate	14.47	149	28940	4.439	ng	# 61
86) Indeno(1,2,3-cd)pyrene	16.76	276	10651	3.047	ng	96
88) Benzo(b)fluoranthene	14.93	252	41064	11.825	ng	# 95
89) Benzo(k)fluoranthene	14.93	252	41064	11.538	ng	# 94
90) Benzo(a)pyrene	15.28	252	20660	6.544	ng	# 91
92) Benzo(a,h,i)perylene	17.19	276	9417	3.646	ng	# 82

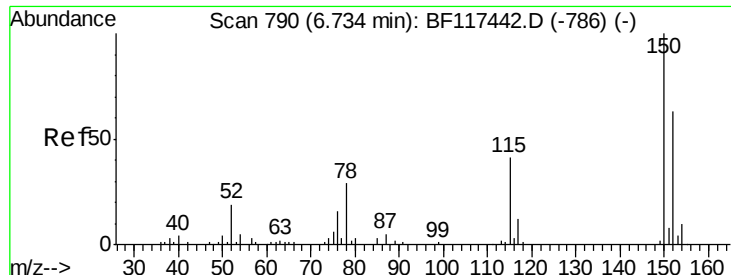
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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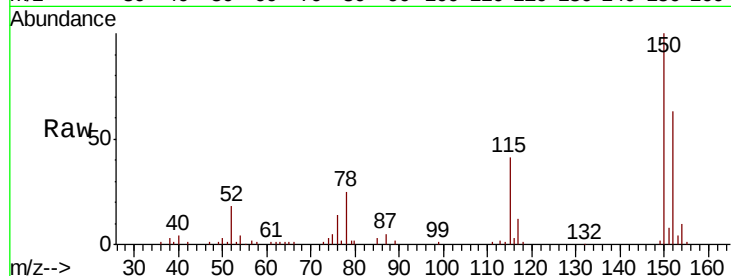


#1

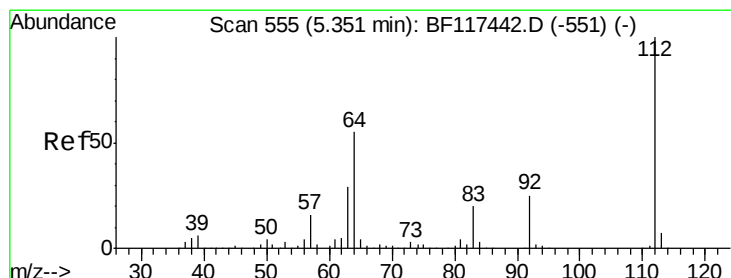
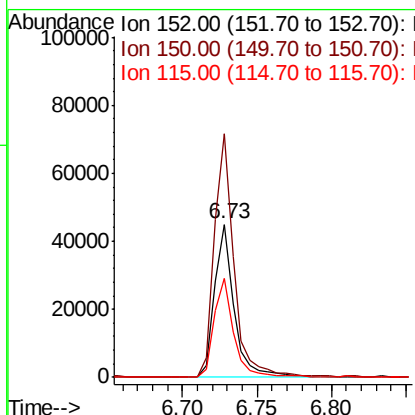
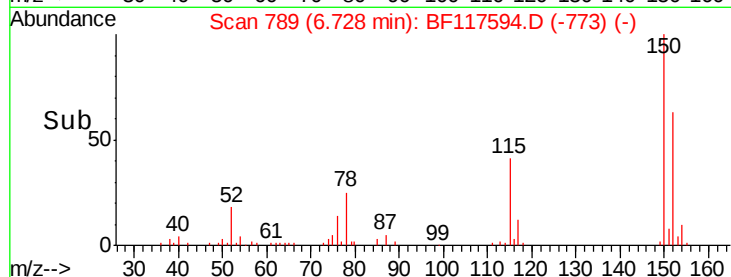
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117594.D
Acq: 29 Oct 2019 16:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 40998
Ion Ratio Lower Upper
152 100
150 159.0 126.8 190.2
115 64.8 51.6 77.4



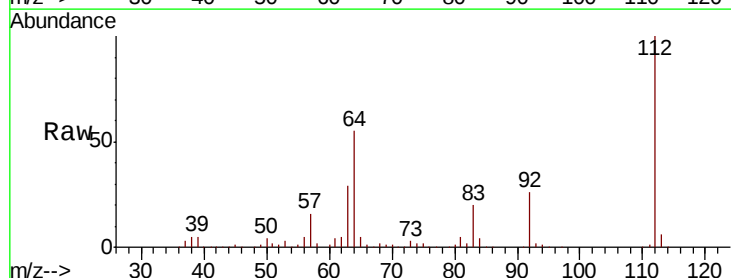
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



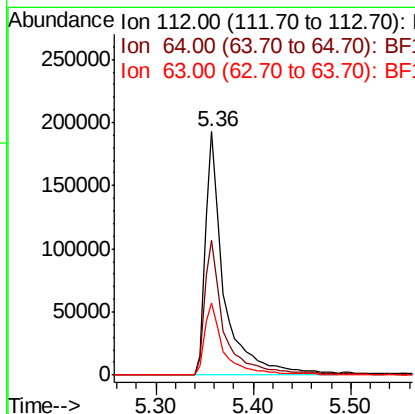
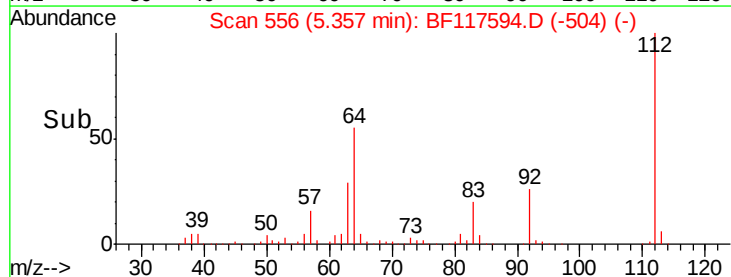
#5

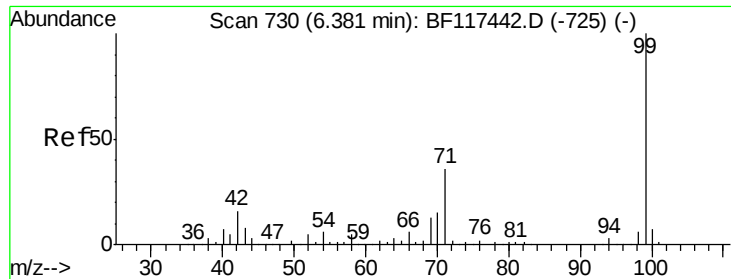
2-Fluorophenol
Concen: 93.137 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF117594.D
Acq: 29 Oct 2019 16:44

Tgt Ion:112 Resp: 256665
Ion Ratio Lower Upper
112 100
64 55.2 44.1 66.1
63 29.4 23.4 35.2



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: 90.322 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117594.D

Acq: 29 Oct 2019 16:44

Instrument :

BNA_F

ClientSampleId :

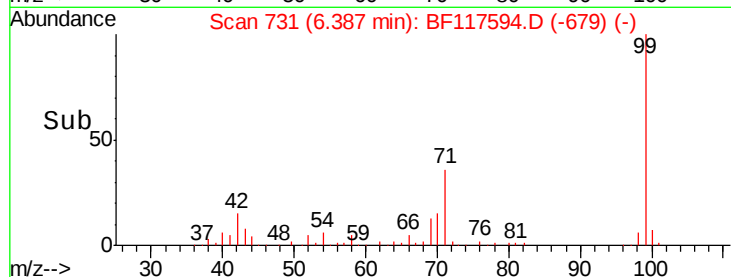
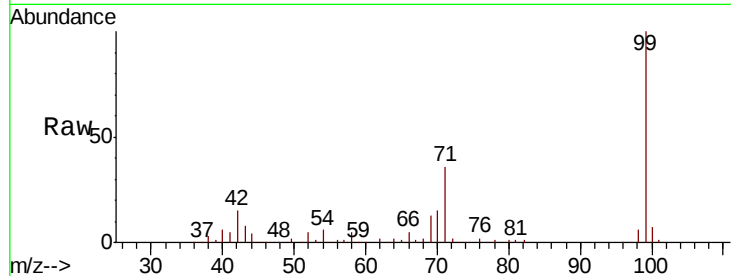
Tot Ion: 99 Resp: 334311

Ion Ratio Lower Upper

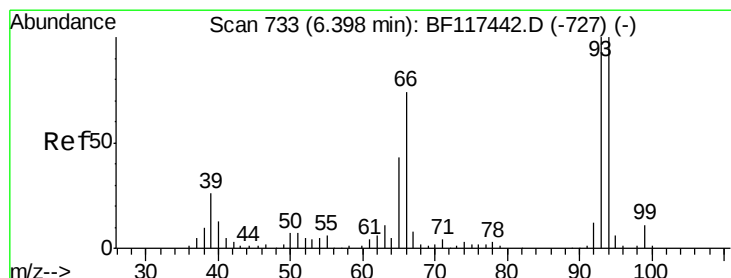
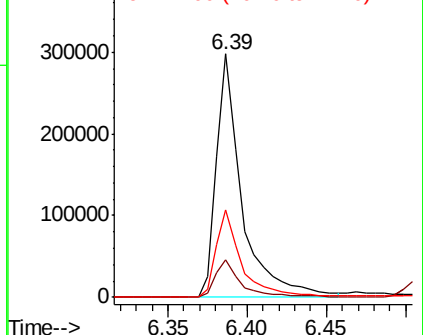
99 100

42 15.3 12.8 19.2

71 36.2 28.6 43.0



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: 3.953 ng

RT: 6.40 min Scan# 733

Delta R.T. 0.00 min

Lab File: BF117594.D

Acq: 29 Oct 2019 16:44

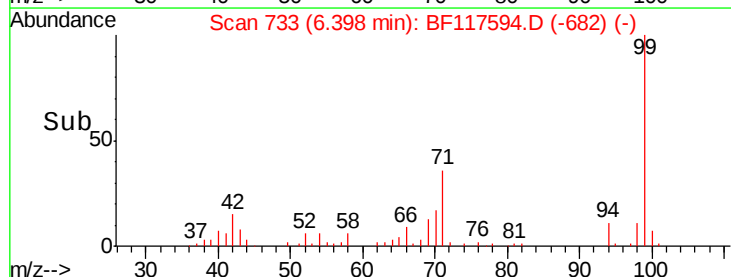
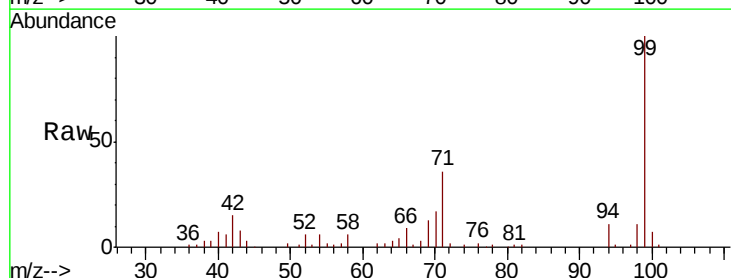
Tgt Ion: 94 Resp: 14932

Ion Ratio Lower Upper

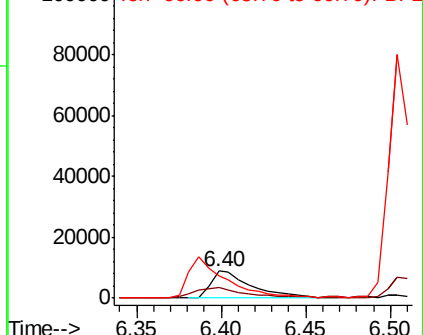
94 100

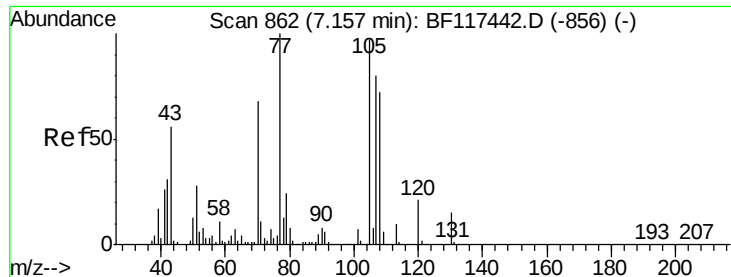
65 37.7 23.4 63.4

66 80.9 54.7 94.7



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

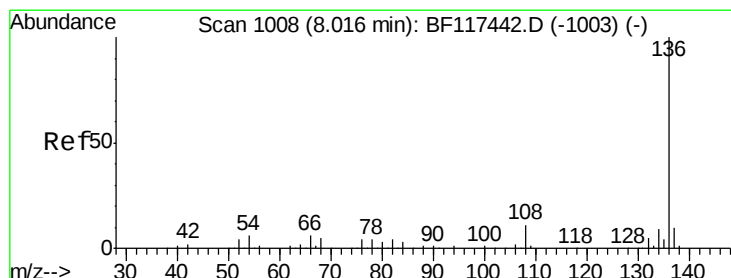
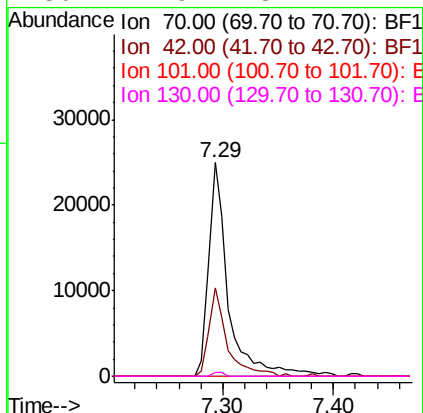
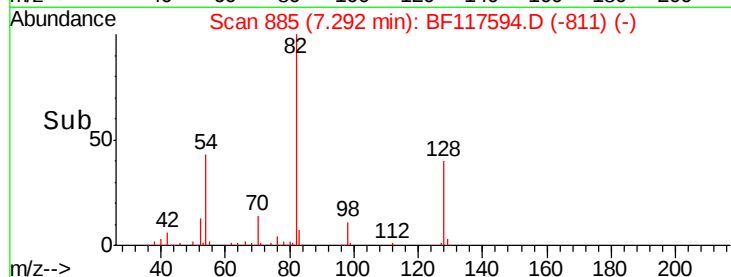
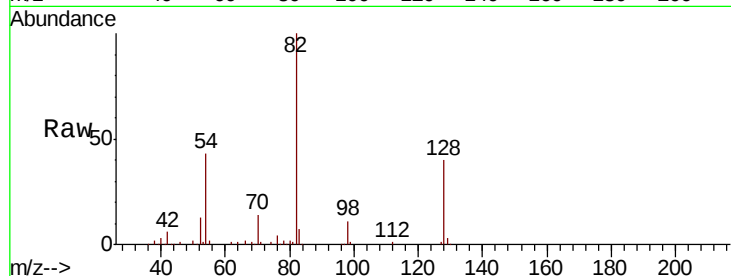




#19
n-Nitroso-di-n-propylamine
Concen: 13.279 ng
RT: 7.29 min Scan# 885
Delta R.T. 0.14 min
Lab File: BF117594.D
Acq: 29 Oct 2019 16:44

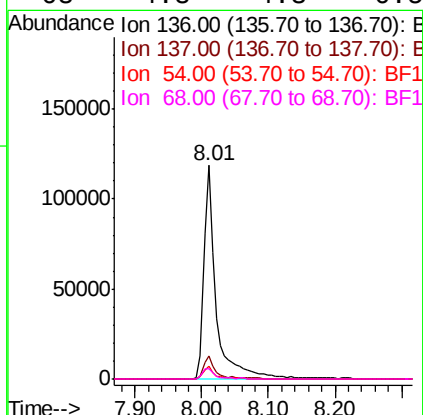
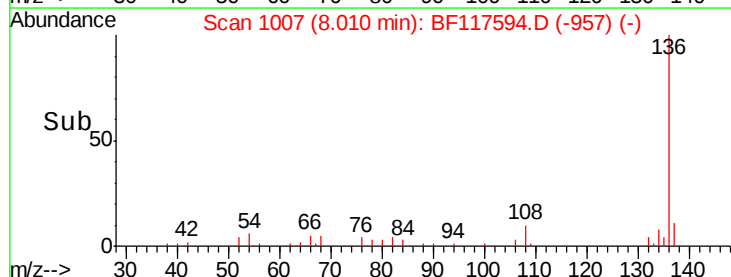
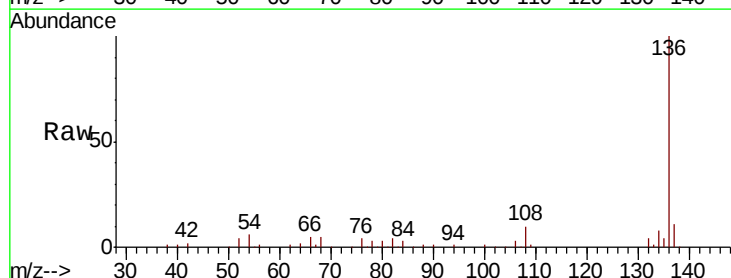
Instrument :
BNA_F
ClientSampleId :

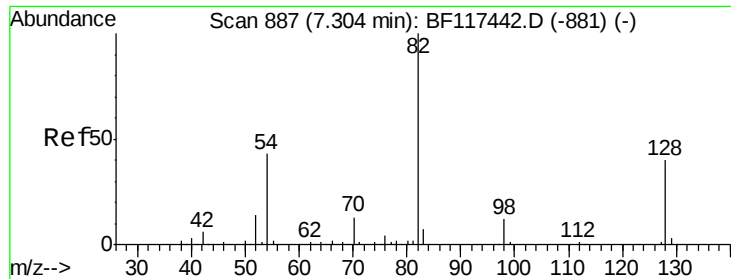
Tot Ion: 70 Resp: 30017
Ion Ratio Lower Upper
70 100
42 41.4 36.7 55.1
101 0.0 8.3 12.5#
130 1.9 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117594.D
Acq: 29 Oct 2019 16:44

Tgt Ion:136 Resp: 150315
Ion Ratio Lower Upper
136 100
137 11.1 8.2 12.4
54 5.8 4.5 6.7
68 4.8 4.3 6.5

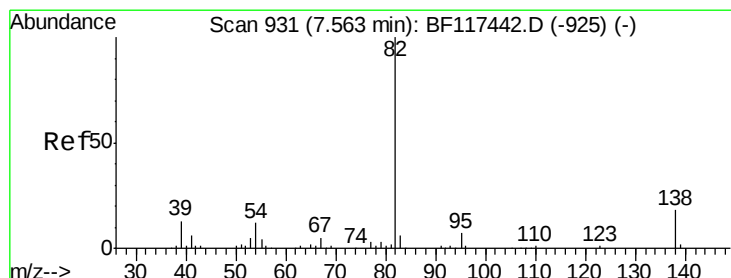
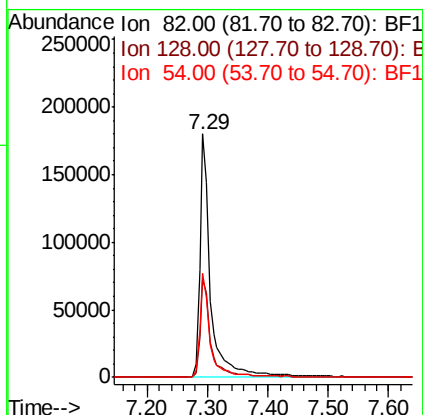
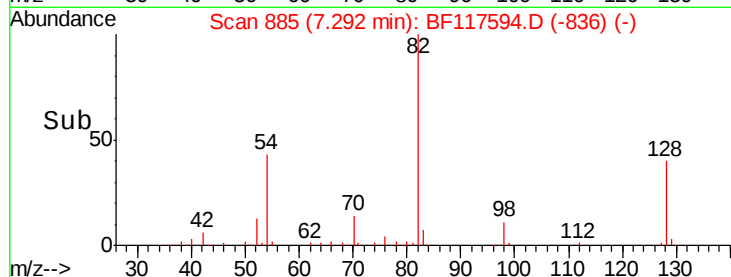
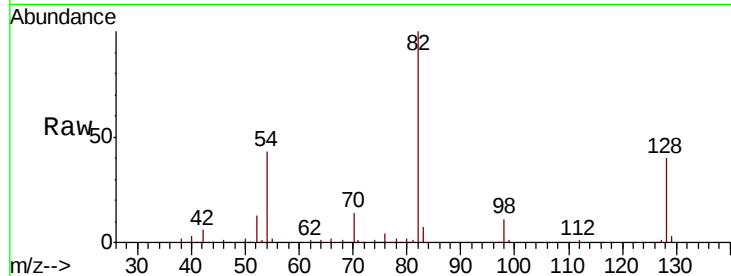




#23
 Nitrobenzene-d5
 Concen: 75.178 ng
 RT: 7.29 min Scan# 885
 Delta R.T. -0.01 min
 Lab File: BF117594.D
 Acq: 29 Oct 2019 16:44

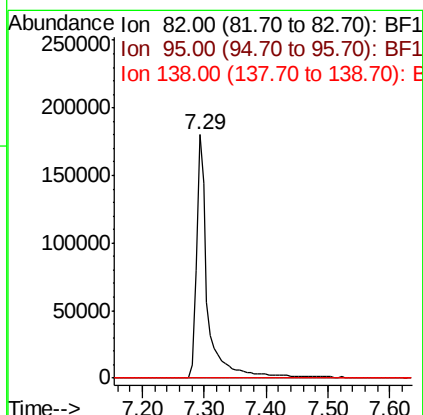
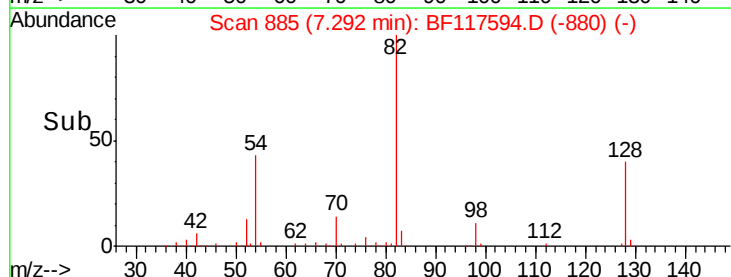
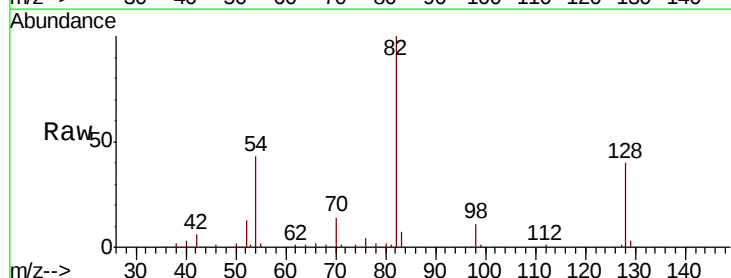
Instrument :
 BNA_F
 ClientSampled :

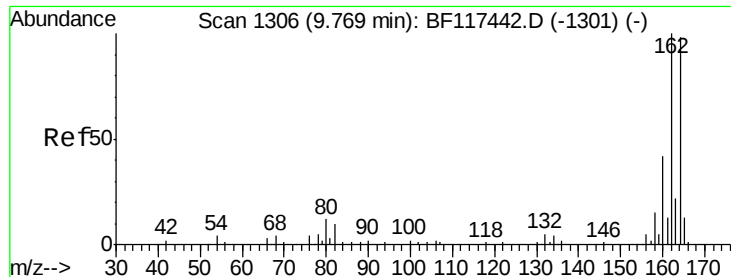
Tot Ion	82	Resp	228903
Ion Ratio	100	Lower	Upper
128	40.1	32.2	48.2
54	42.9	34.2	51.2



#25
 Isophorone
 Concen: 43.458 ng
 RT: 7.29 min Scan# 885
 Delta R.T. -0.27 min
 Lab File: BF117594.D
 Acq: 29 Oct 2019 16:44

Tgt Ion	82	Resp	228902
Ion Ratio	100	Lower	Upper
95	0.0	5.4	8.0#
138	0.0	14.2	21.2#

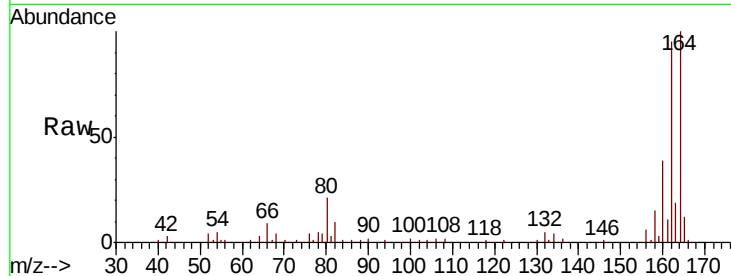




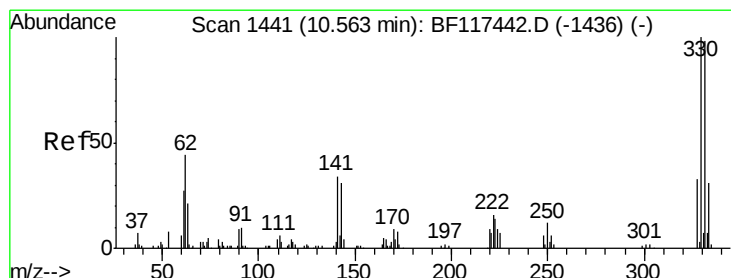
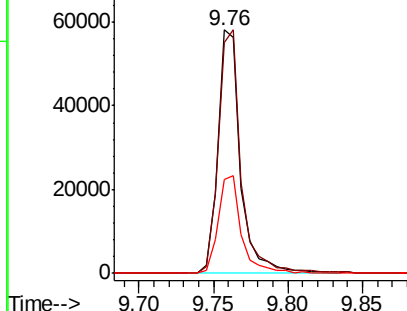
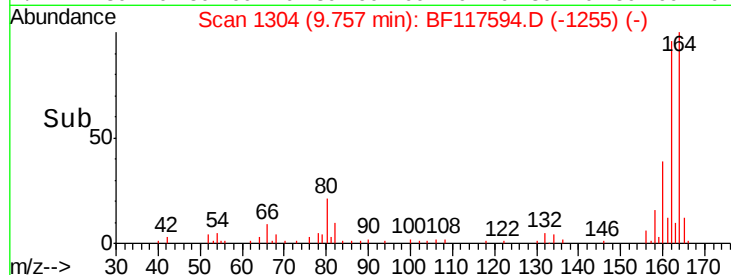
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF117594.D
 Acq: 29 Oct 2019 16:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 61596
 Ion Ratio Lower Upper
 164 100
 162 94.8 81.8 122.6
 160 38.7 34.4 51.6

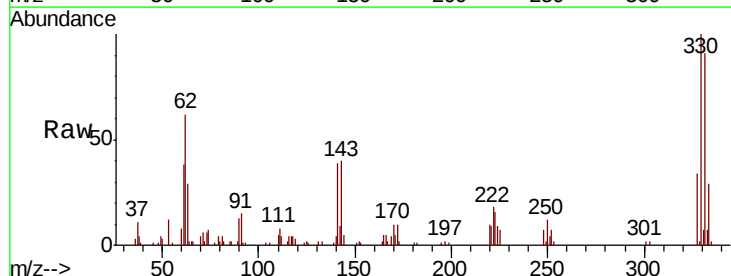


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

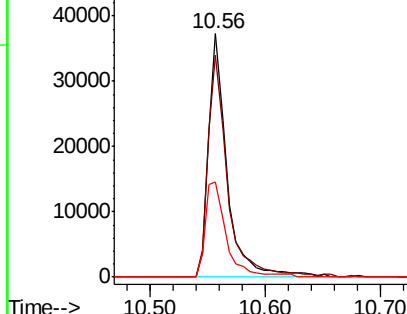
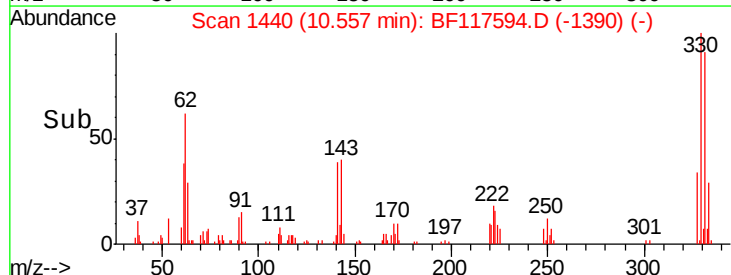


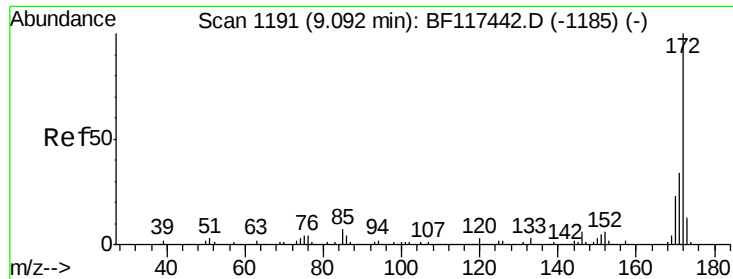
#42
 2,4,6-Tribromophenol
 Concen: 78.032 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BF117594.D
 Acq: 29 Oct 2019 16:44

Tgt Ion:330 Resp: 41588
 Ion Ratio Lower Upper
 330 100
 332 95.6 78.5 117.7
 141 44.6 37.0 55.6



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

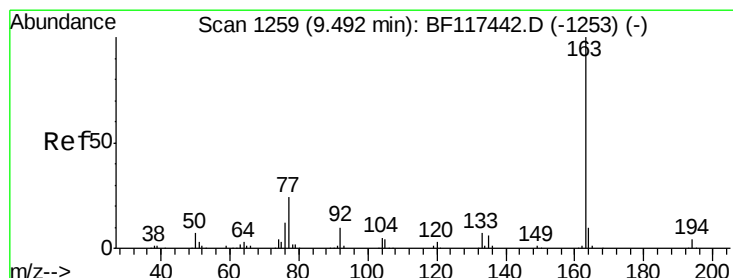
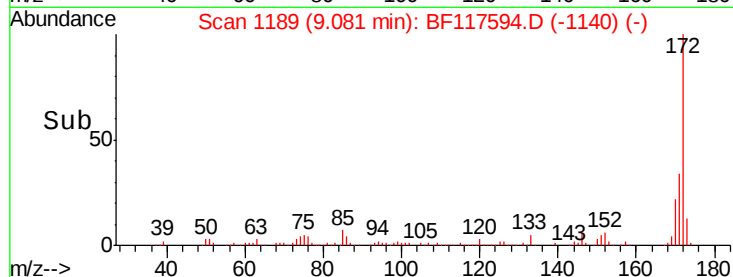
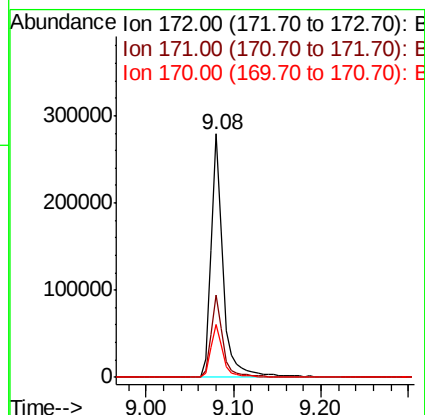
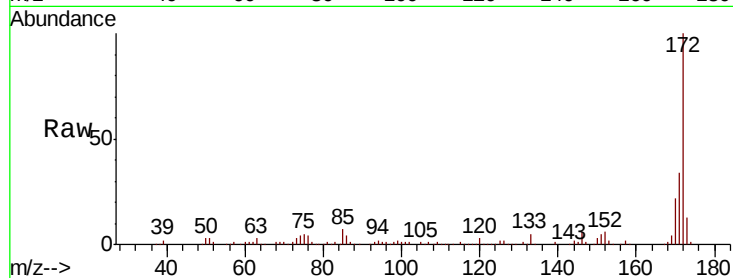




#45
2-Fluorobiphenyl
Concen: 61.579 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF117594.D
Acq: 29 Oct 2019 16:44

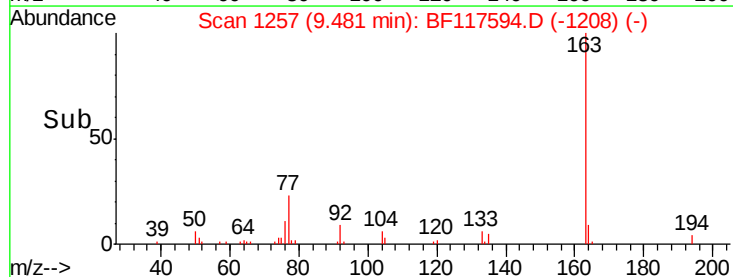
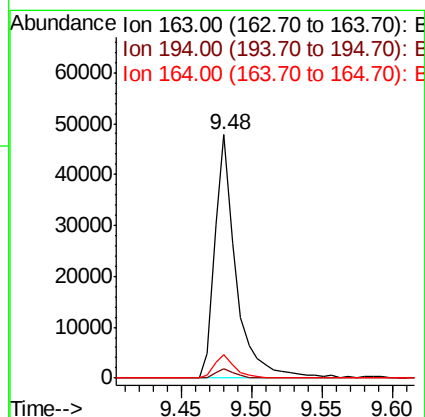
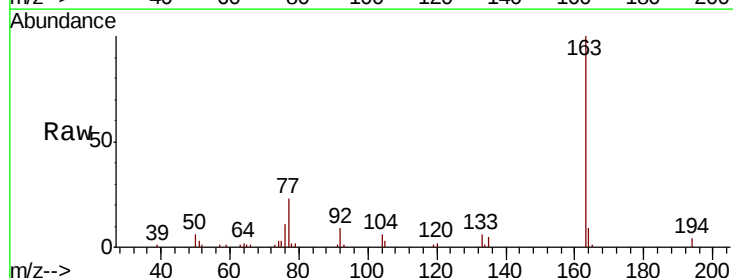
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BNA_F
ClientSampleId :

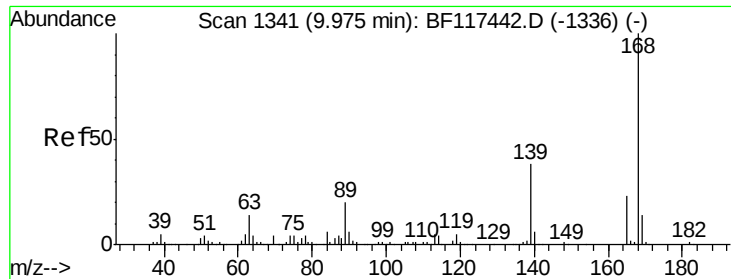
Tot Ion:172 Resp: 269202
Ion Ratio Lower Upper
172 100
171 34.0 27.5 41.3
170 22.0 18.6 27.8



#50
Dimethylphthalate
Concen: 11.388 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117594.D
Acq: 29 Oct 2019 16:44

Tgt Ion:163 Resp: 50008
Ion Ratio Lower Upper
163 100
194 3.6 2.9 4.3
164 9.4 8.2 12.2

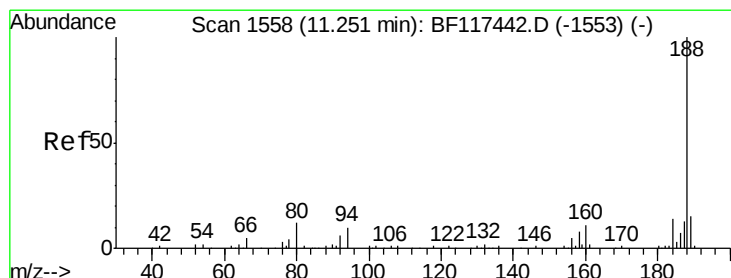
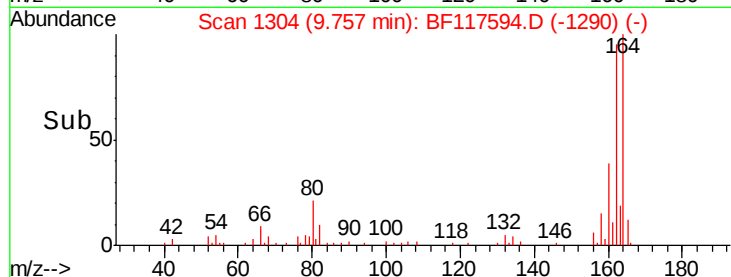
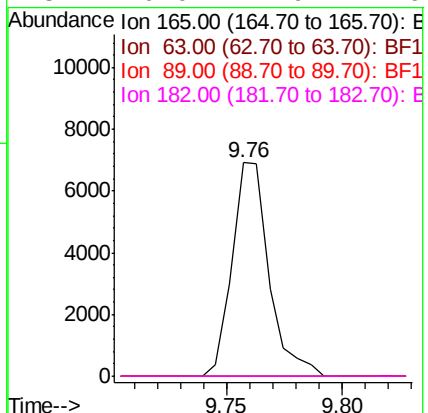
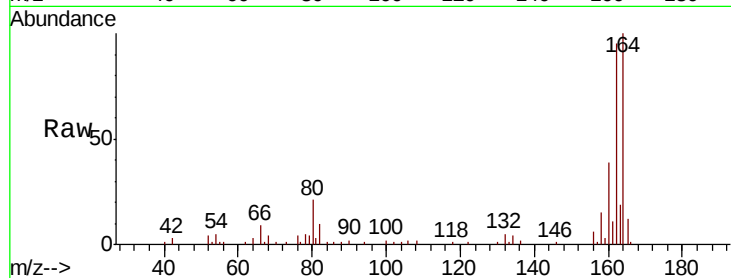




#57
 2,4-Dinitrotoluene
 Concen: 6.336 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.22 min
 Lab File: BF117594.D
 Acq: 29 Oct 2019 16:44

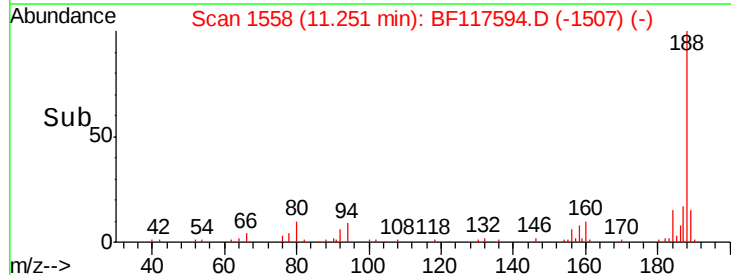
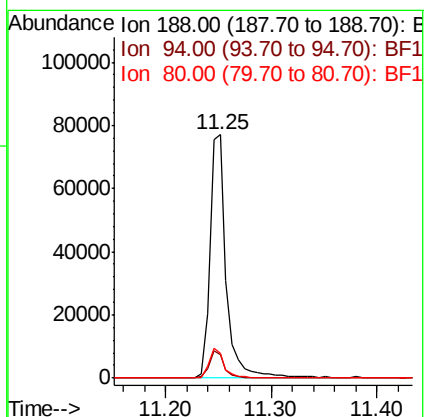
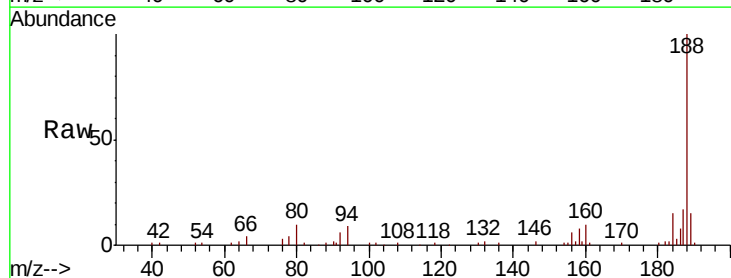
Instrument :
 BNA_F
 ClientSampled :

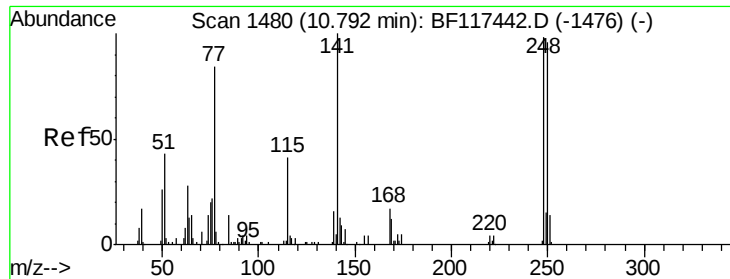
Tot Ion:165 Resp: 7719
 Ion Ratio Lower Upper
 165 100
 63 0.0 51.4 77.0#
 89 0.0 69.9 104.9#
 182 0.0 1.9 2.9#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1558
 Delta R.T. 0.00 min
 Lab File: BF117594.D
 Acq: 29 Oct 2019 16:44

Tgt Ion:188 Resp: 83124
 Ion Ratio Lower Upper
 188 100
 94 9.4 8.0 12.0
 80 10.1 9.5 14.3

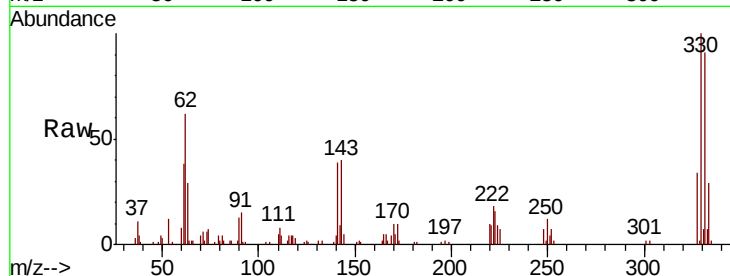




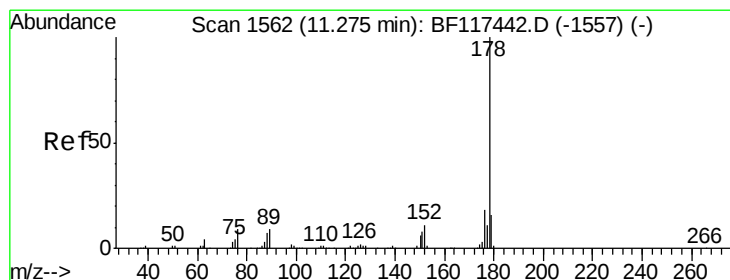
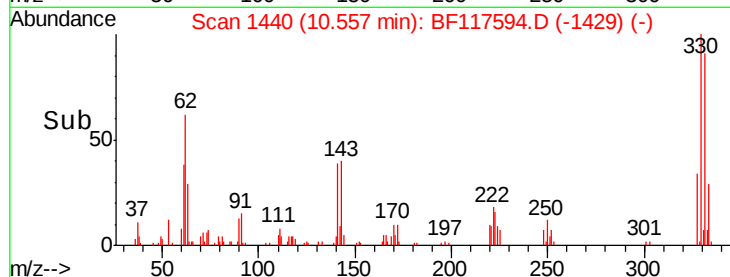
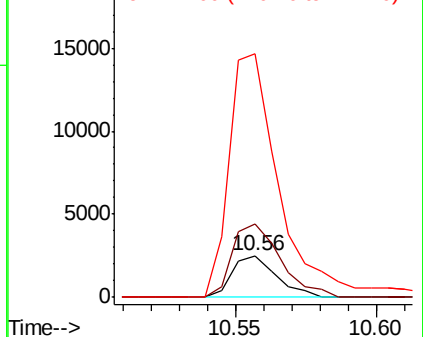
#67
4-Bromophenyl-phenylether
Concen: 3.003 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.24 min
Lab File: BF117594.D
Acq: 29 Oct 2019 16:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 2689
Ion Ratio Lower Upper
248 100
250 176.1 78.0 117.0#
141 588.2 81.7 122.5#

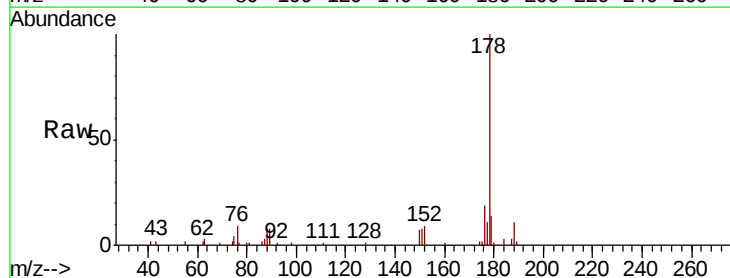


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

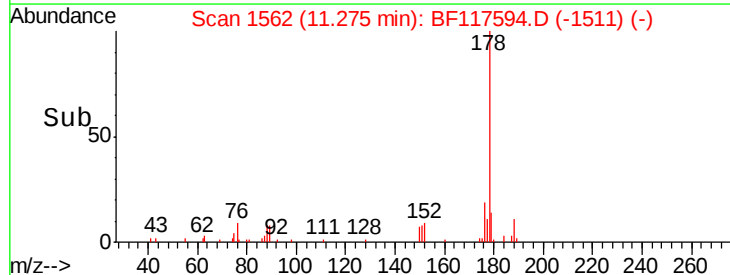
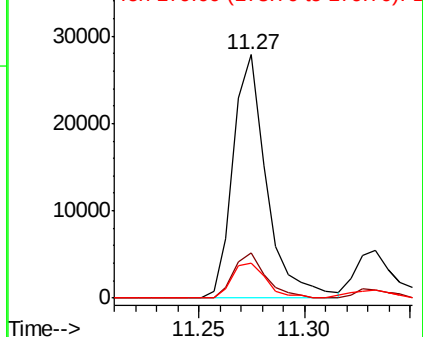


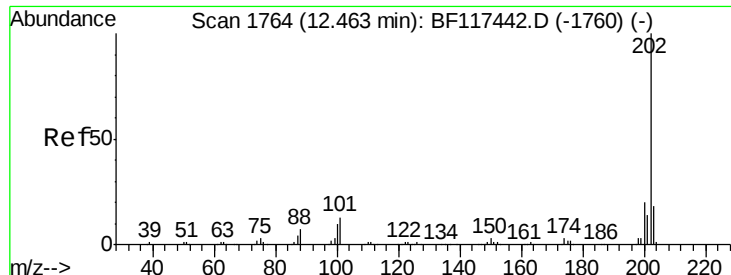
#71
Phenanthrene
Concen: 6.334 ng
RT: 11.27 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF117594.D
Acq: 29 Oct 2019 16:44

Tgt Ion:178 Resp: 30570
Ion Ratio Lower Upper
178 100
176 18.8 14.6 22.0
179 14.1 12.6 19.0



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: 13.884 ng

RT: 12.46 min Scan# 1764

Delta R.T. 0.00 min

Lab File: BF117594.D

Acq: 29 Oct 2019 16:44

Instrument :

BNA_F

ClientSampleId :

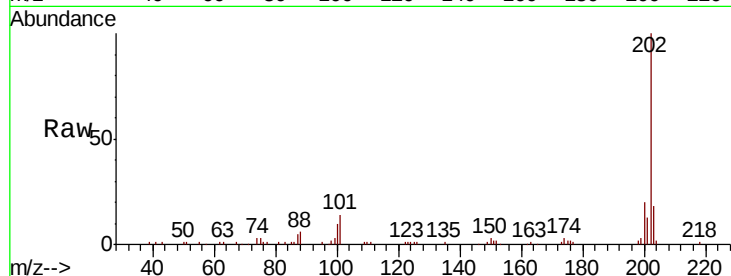
Tot Ion:202 Resp: 67085

Ion Ratio Lower Upper

202 100

101 13.5 0.0 32.7

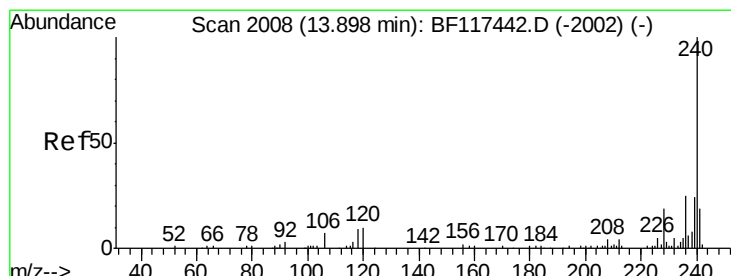
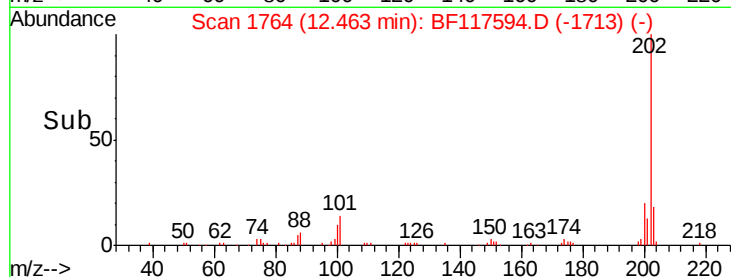
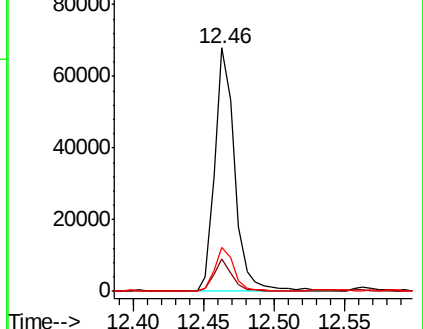
203 18.2 0.0 37.6



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: 13.89 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF117594.D

Acq: 29 Oct 2019 16:44

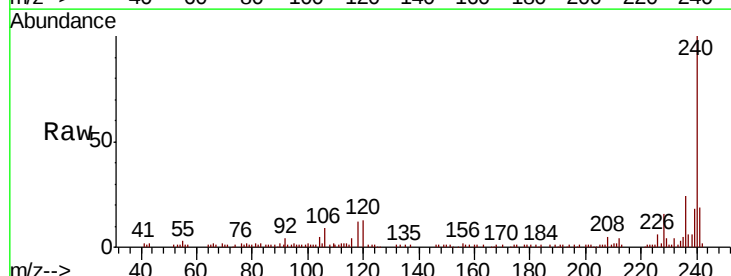
Tgt Ion:240 Resp: 70823

Ion Ratio Lower Upper

240 100

120 12.9 8.4 12.6#

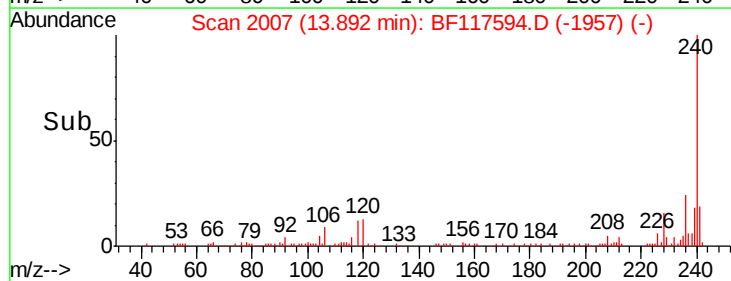
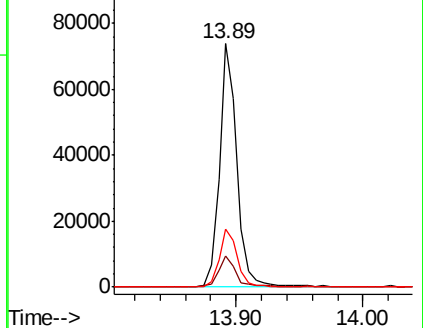
236 23.6 20.0 30.0

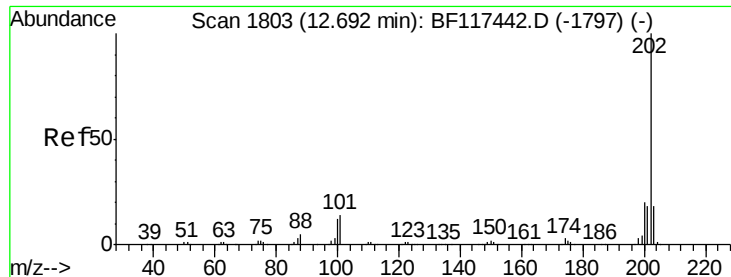


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 10.137 ng

RT: 12.69 min Scan# 1803

Delta R.T. 0.00 min

Lab File: BF117594.D

Acq: 29 Oct 2019 16:44

Instrument :

BNA_F

ClientSampleId :

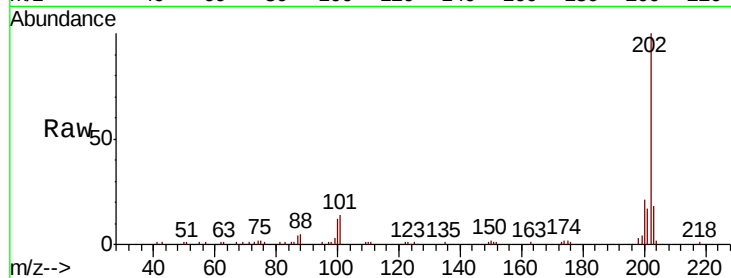
Tot Ion:202 Resp: 61666

Ion Ratio Lower Upper

202 100

200 21.0 16.2 24.2

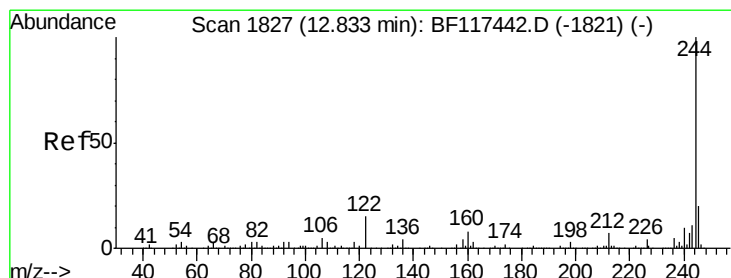
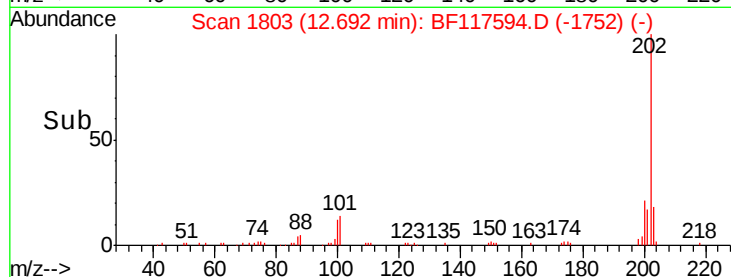
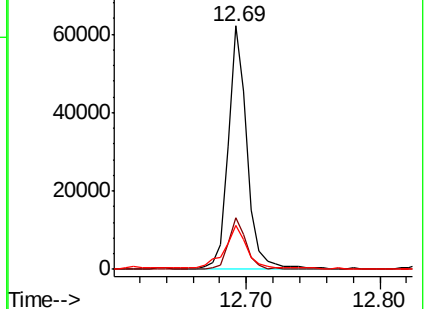
203 18.1 14.0 21.0



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: 40.225 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF117594.D

Acq: 29 Oct 2019 16:44

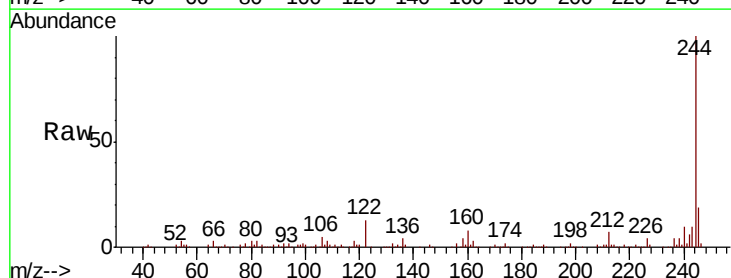
Tgt Ion:244 Resp: 174657

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.6

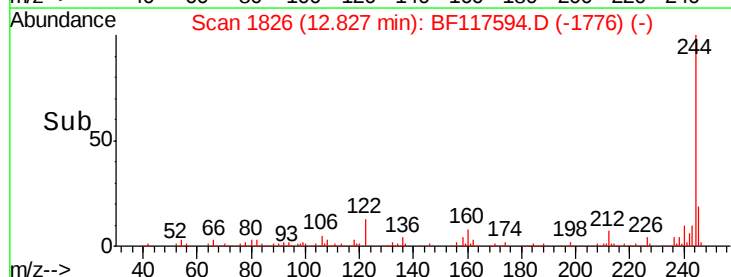
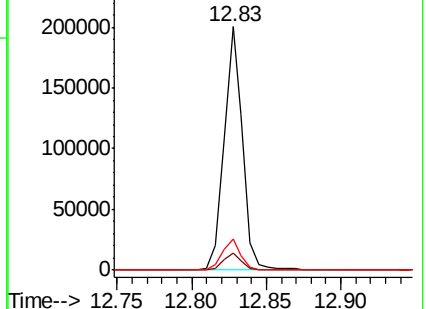
122 12.8 11.8 17.8

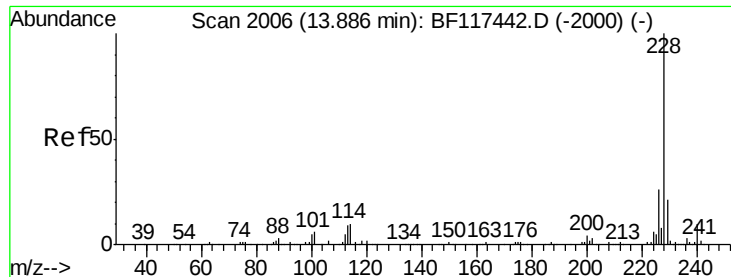


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

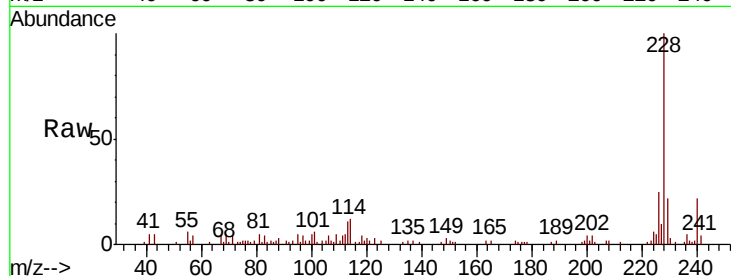




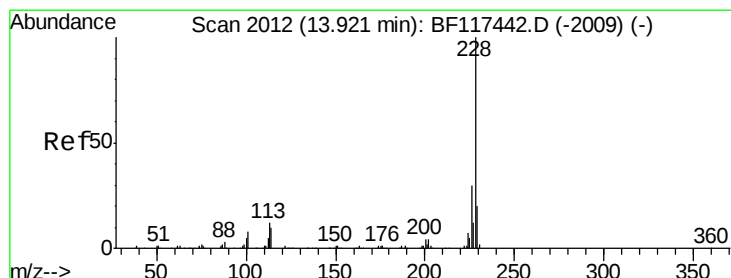
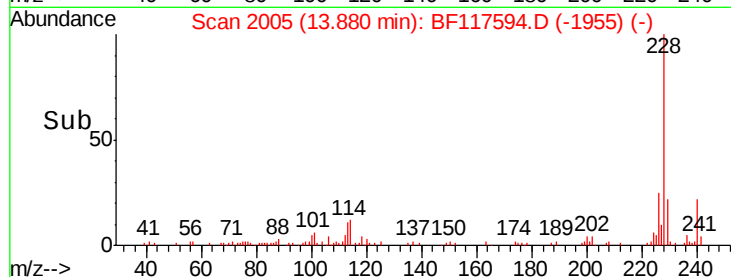
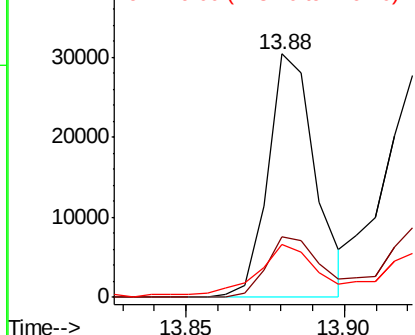
#81
Benzo(a)anthracene
Concen: 6.638 ng
RT: 13.88 min Scan# 2005
Delta R.T. -0.01 min
Lab File: BF117594.D
Acq: 29 Oct 2019 16:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 31711
Ion Ratio Lower Upper
228 100
226 24.9 21.0 31.4
229 21.8 16.4 24.6

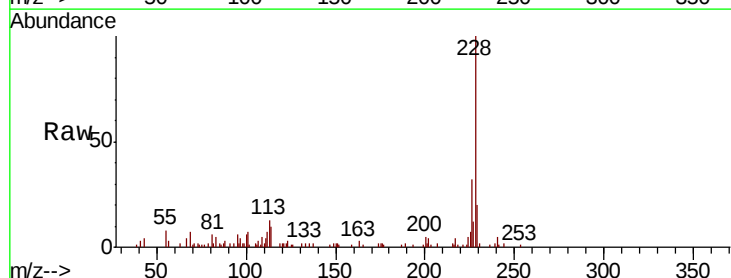


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

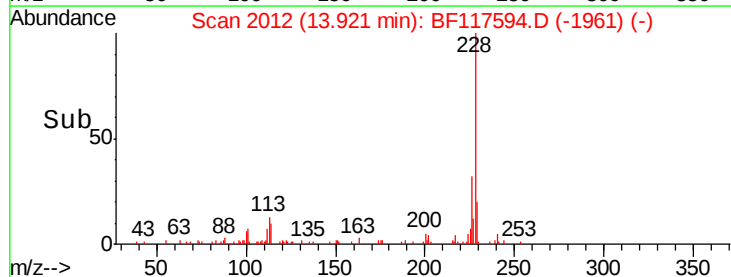
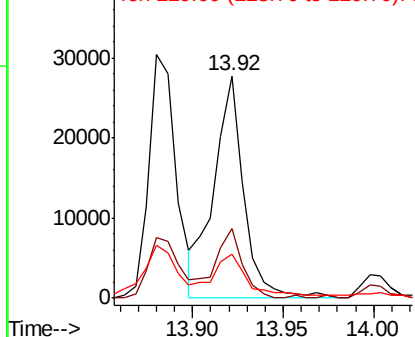


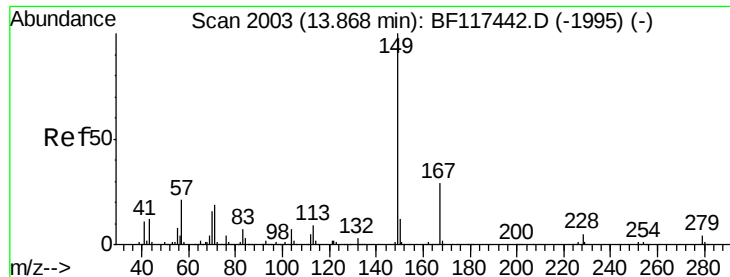
#83
Chrysene
Concen: 6.856 ng
RT: 13.92 min Scan# 2012
Delta R.T. 0.00 min
Lab File: BF117594.D
Acq: 29 Oct 2019 16:44

Tgt Ion:228 Resp: 32099
Ion Ratio Lower Upper
228 100
226 31.6 23.9 35.9
229 19.6 15.8 23.6



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: 22.316 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BF117594.D

Acq: 29 Oct 2019 16:44

Instrument :

BNA_F

ClientSampled :

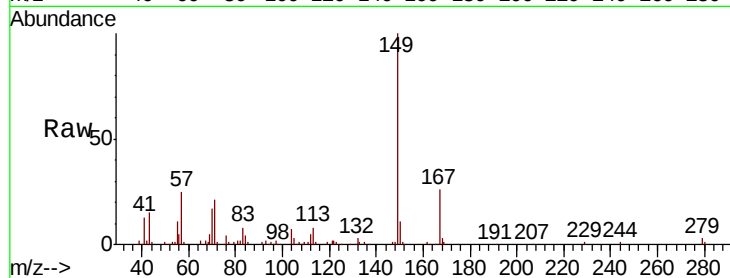
Tot Ion:149 Resp: 94633

Ion Ratio Lower Upper

149 100

167 25.7 23.3 34.9

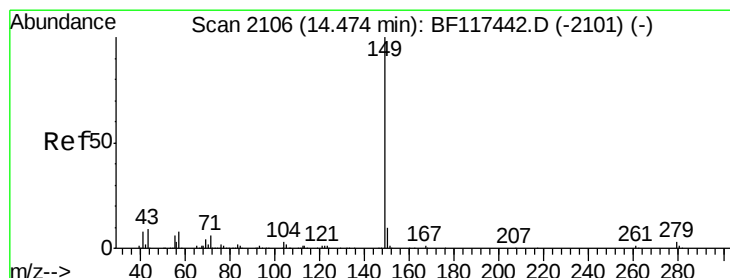
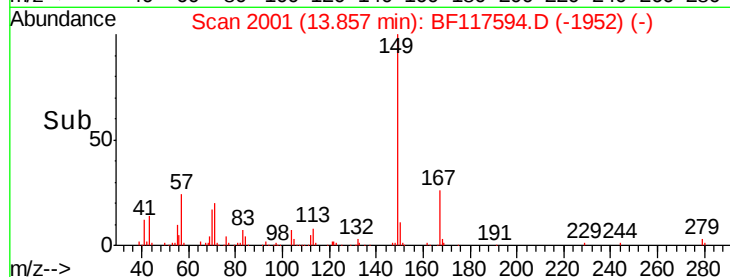
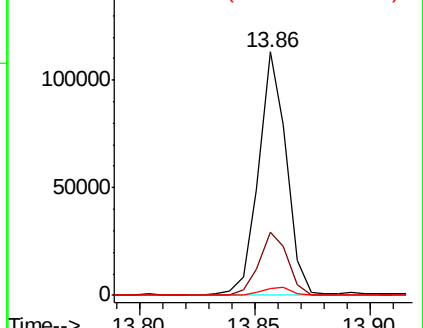
279 2.9 3.2 4.8#



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



#85

Di-n-octyl phthalate

Concen: 4.439 ng

RT: 14.47 min Scan# 2106

Delta R.T. 0.00 min

Lab File: BF117594.D

Acq: 29 Oct 2019 16:44

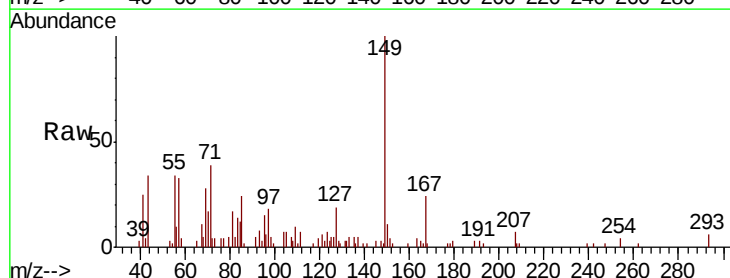
Tgt Ion:149 Resp: 28940

Ion Ratio Lower Upper

149 100

167 23.8 1.2 1.8#

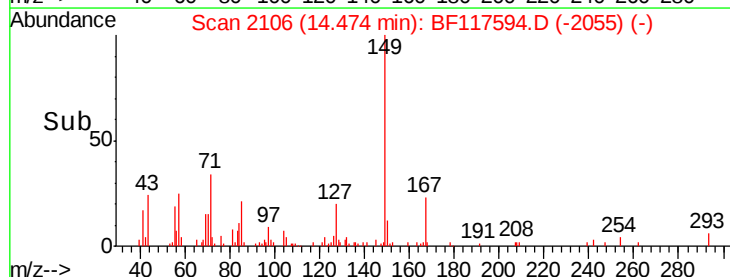
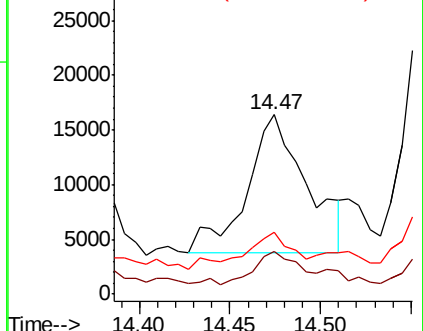
43 21.2 6.8 10.2#

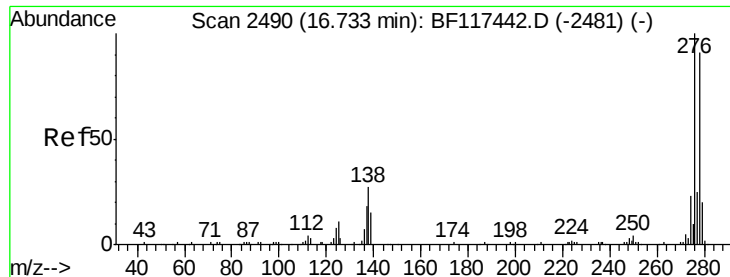


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

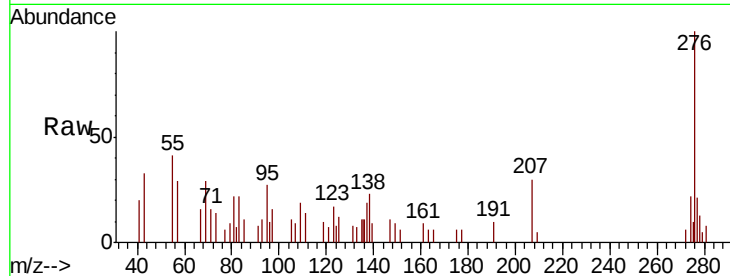




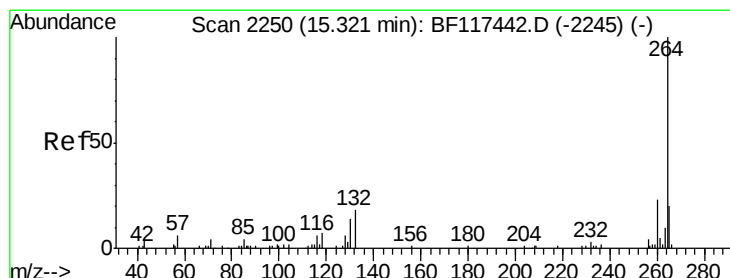
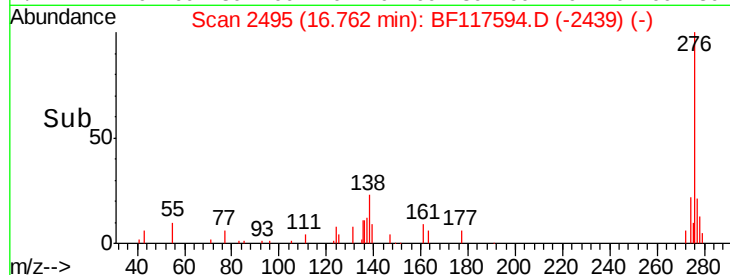
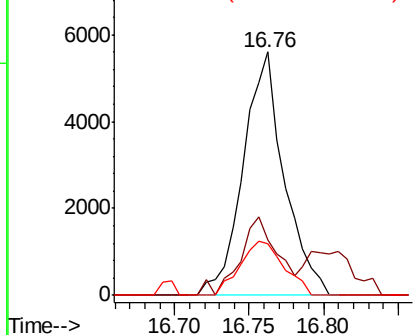
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.047 ng
 RT: 16.76 min Scan# 2495
 Delta R.T. 0.03 min
 Lab File: BF117594.D
 Acq: 29 Oct 2019 16:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
138	29.7	21.8	32.8	
277	23.8	20.0	30.0	

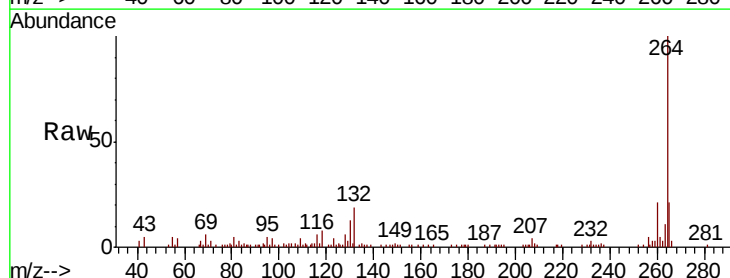


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

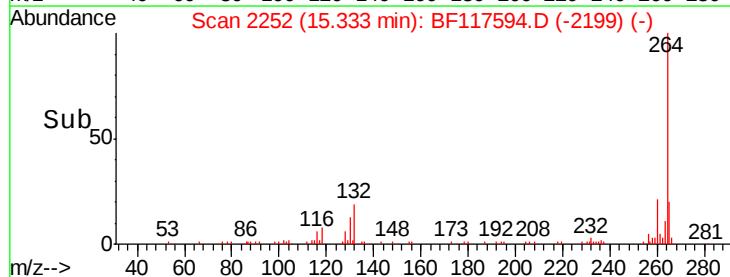
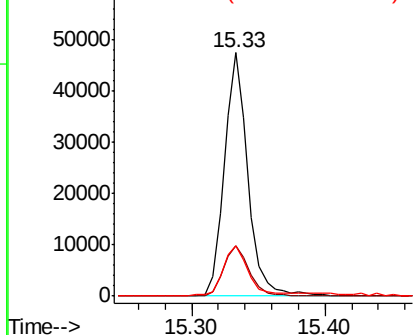


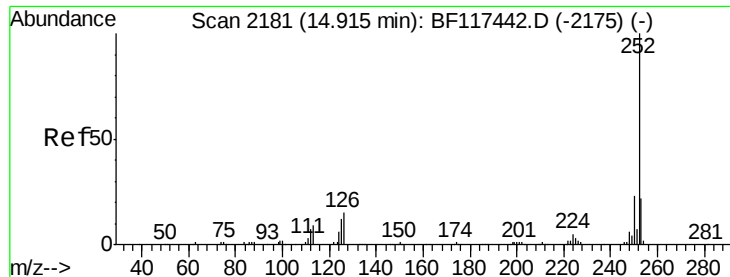
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.33 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: BF117594.D
 Acq: 29 Oct 2019 16:44

Tgt Ion	Ion	Ratio	Lower	Upper
264	100			
260	20.9	18.4	27.6	
265	20.6	16.1	24.1	



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: 11.825 ng

RT: 14.93 min Scan# 2183

Delta R.T. 0.01 min

Lab File: BF117594.D

Acq: 29 Oct 2019 16:44

Instrument :

BNA_F

ClientSampled :

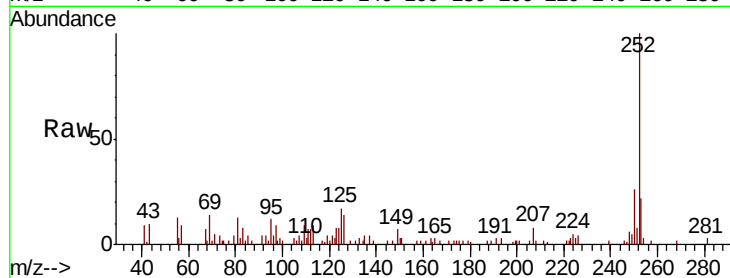
Tot Ion:252 Resp: 41064

Ion Ratio Lower Upper

252 100

253 21.6 17.8 26.6

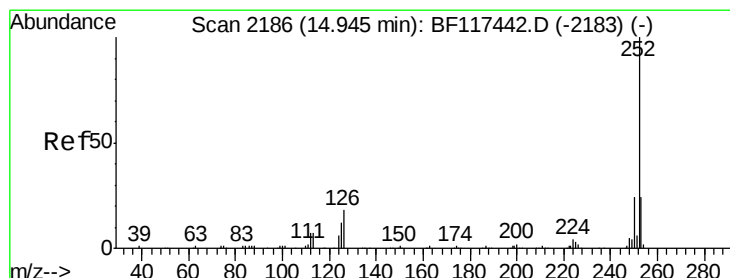
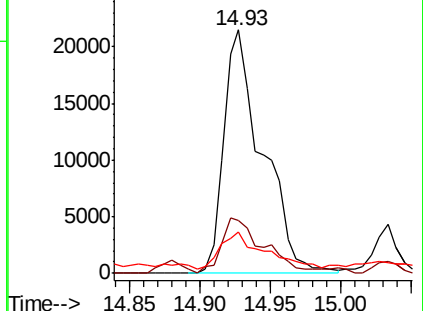
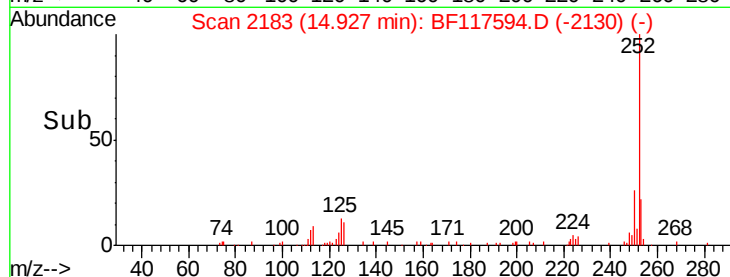
125 16.9 9.9 14.9#



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: 11.538 ng

RT: 14.93 min Scan# 2183

Delta R.T. -0.02 min

Lab File: BF117594.D

Acq: 29 Oct 2019 16:44

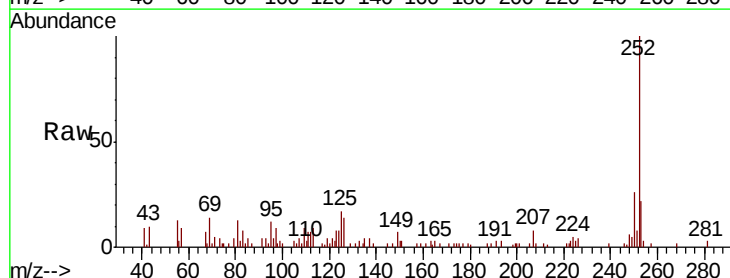
Tgt Ion:252 Resp: 41064

Ion Ratio Lower Upper

252 100

253 21.6 18.0 27.0

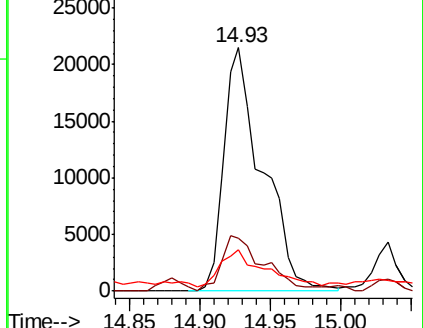
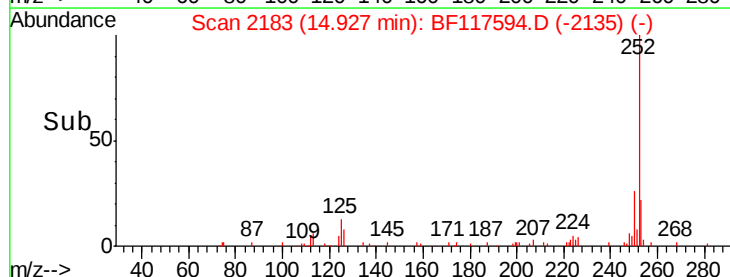
125 16.9 8.9 13.3#

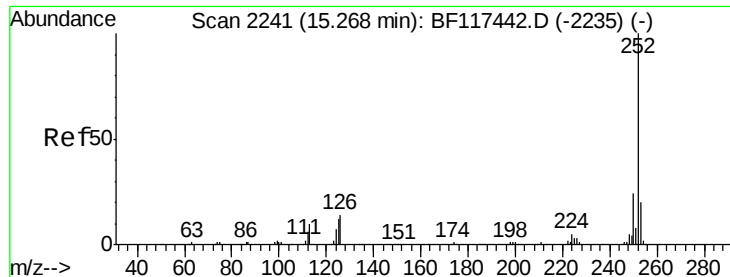


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 6.544 ng

RT: 15.28 min Scan# 2243

Delta R.T. 0.01 min

Lab File: BF117594.D

Acq: 29 Oct 2019 16:44

Instrument :

BNA_F

ClientSampleId :

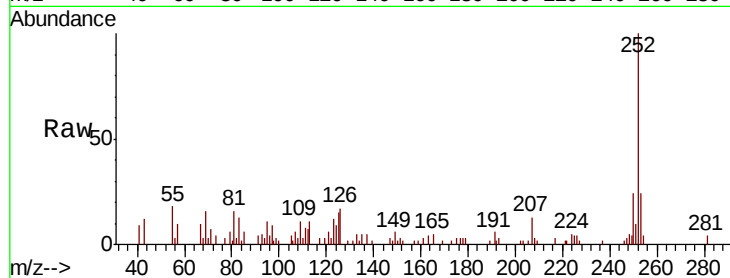
Tot Ion:252 Resp: 20660

Ion Ratio Lower Upper

252 100

253 24.1 16.3 24.5

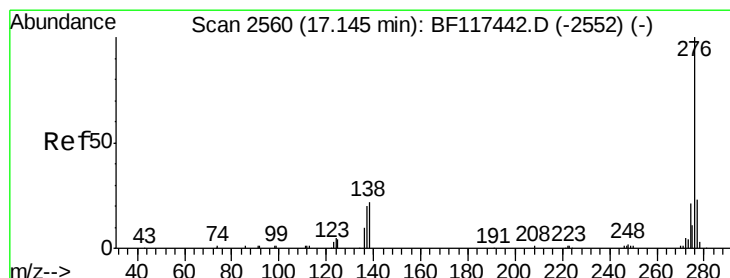
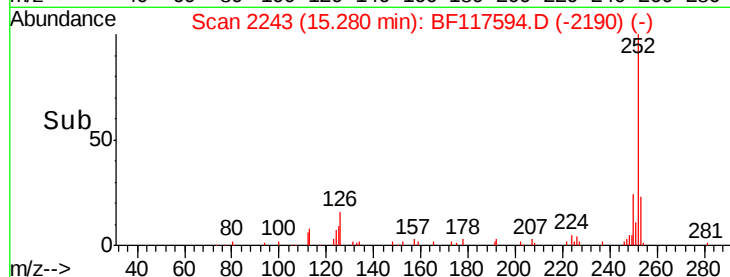
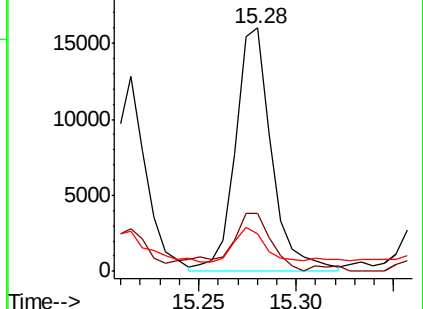
125 15.2 9.2 13.8#



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: 3.646 ng

RT: 17.19 min Scan# 2567

Delta R.T. 0.04 min

Lab File: BF117594.D

Acq: 29 Oct 2019 16:44

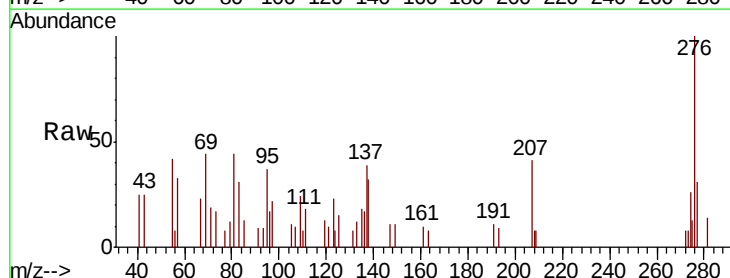
Tgt Ion:276 Resp: 9417

Ion Ratio Lower Upper

276 100

277 30.6 18.4 27.6#

138 31.9 17.8 26.6#



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

