

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100119\
 Data File : BF117284.D
 Acq On : 1 Oct 2019 18:41
 Operator : JU
 Sample : K5093-06RE
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 02 05:58:28 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	6.80	152	46434	20.00	ng	-0.02
21) Naphthalene-d8	8.09	136	170064	20.00	ng	-0.02
39) Acenaphthene-d10	9.84	164	76097	20.00	ng	-0.02
64) Phenanthrene-d10	11.33	188	101604	20.00	ng	0.00
76) Chrysene-d12	13.97	240	82482	20.00	ng	0.00
87) Perylene-d12	15.43	264	76684	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.43	112	196940	66.22	ng	0.00
7) Phenol-d6	6.45	99	267391	69.57	ng	0.00
23) Nitrobenzene-d5	7.37	82	180236	55.69	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	38441	60.44	ng	-0.01
45) 2-Fluorobiphenyl	9.16	172	309463	63.59	ng	-0.01
79) Terphenyl-d14	12.91	244	220022	49.86	ng	0.00

Target Compounds

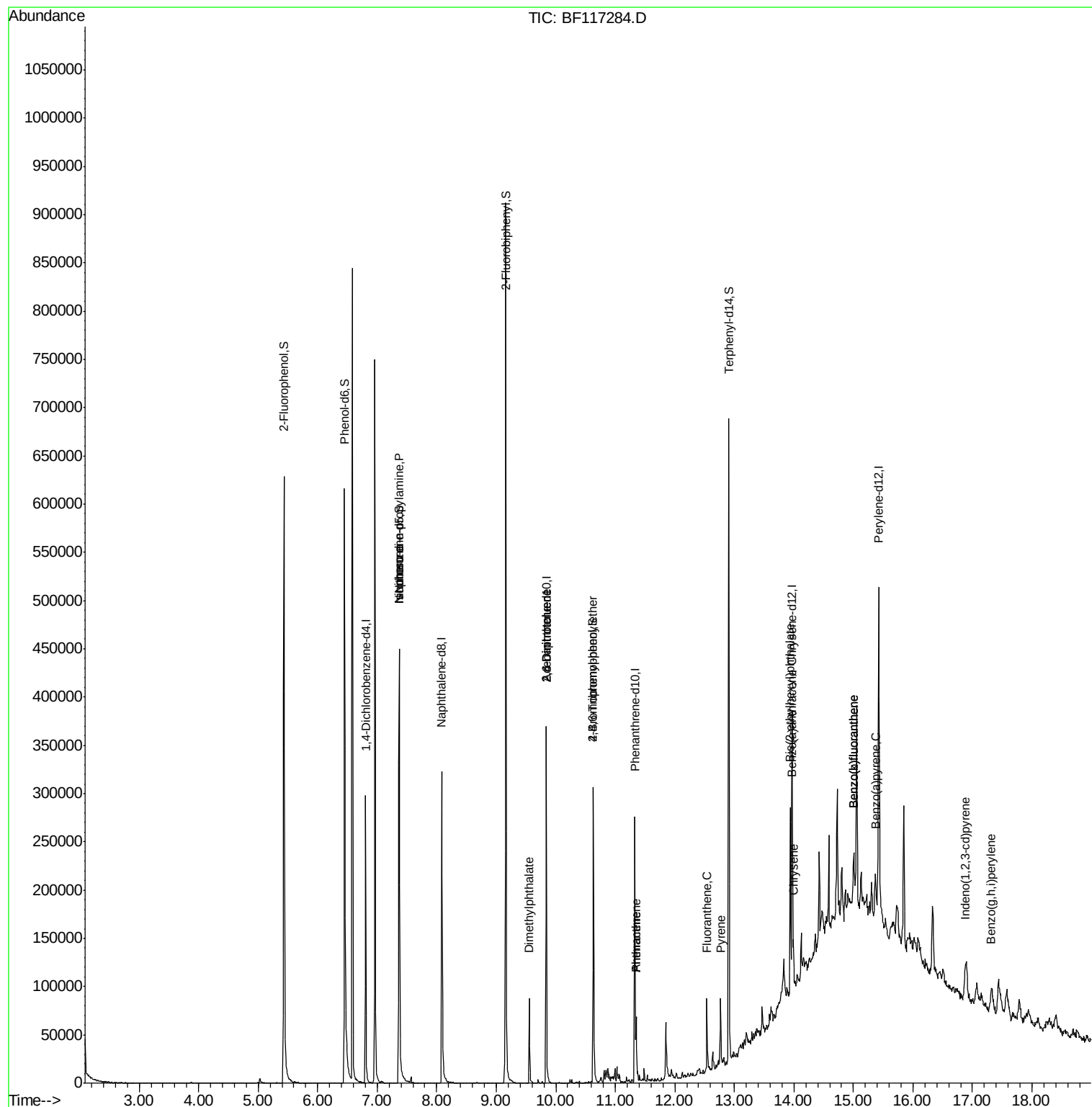
						Qvalue
9) Benzaldehyde	6.58	77	5458	Below Cal	#	73
19) n-Nitroso-di-n-propylamine	7.37	70	23409	10.002 ng	#	81
25) Isophorone	7.37	82	180235	31.450 ng	#	66
50) Dimethylphthalate	9.56	163	39773	7.382 ng		96
51) 2,6-Dinitrotoluene	9.84	165	9179	8.365 ng	#	24
57) 2,4-Dinitrotoluene	9.84	165	9179	6.444 ng	#	18
67) 4-Bromophenyl-phenylether	10.63	248	2196	2.116 ng	#	1
71) Phenanthrene	11.35	178	16386	2.839 ng		96
72) Anthracene	11.35	178	16386	2.781 ng		97
75) Fluoranthene	12.54	202	32141	5.420 ng		99
78) Pyrene	12.77	202	32153	4.646 ng		98
81) Benzo(a)anthracene	13.96	228	19003	3.448 ng		95
83) Chrysene	14.00	228	20774	3.865 ng		98
84) Bis(2-ethylhexyl)phthalate	13.94	149	51016	12.099 ng		96
86) Indeno(1,2,3-cd)pyrene	16.88	276	15435	3.936 ng	#	93
88) Benzo(b)fluoranthene	15.00	252	40447	8.708 ng	#	89
89) Benzo(k)fluoranthene	15.00	252	40447	9.192 ng	#	89
90) Benzo(a)pyrene	15.37	252	18392	4.512 ng	#	79
92) Benzo(a,h,i)perylene	17.32	276	17176	5.308 ng		96

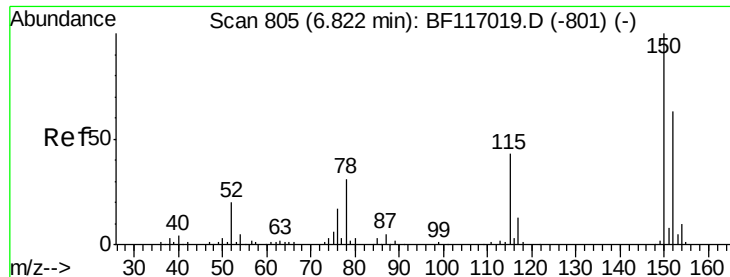
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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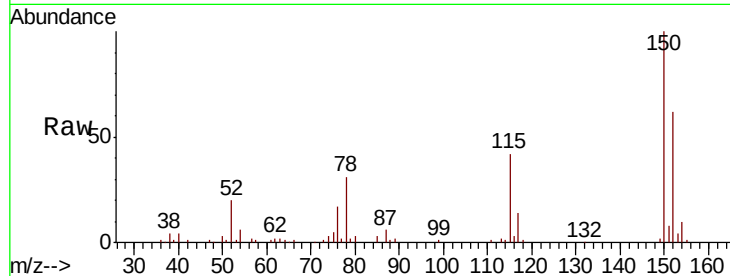


#1

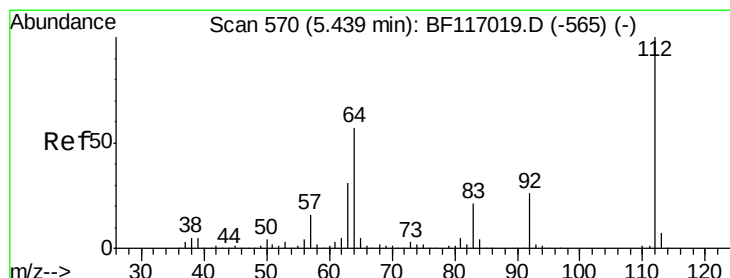
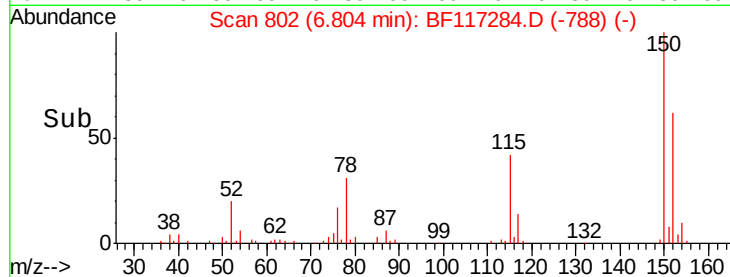
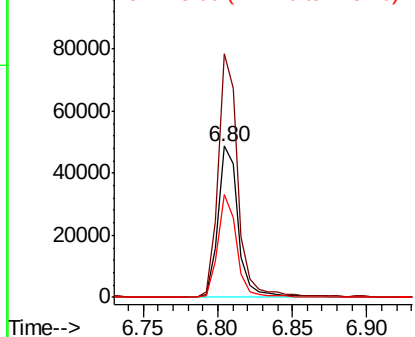
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.02 min
Lab File: BF117284.D
Acq: 1 Oct 2019 18:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 46434
Ion Ratio Lower Upper
152 100
150 161.2 127.5 191.3
115 68.2 55.0 82.4



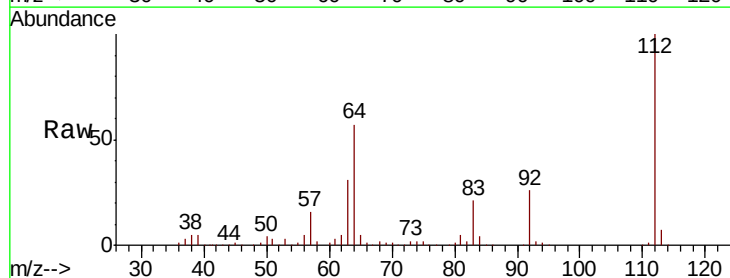
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



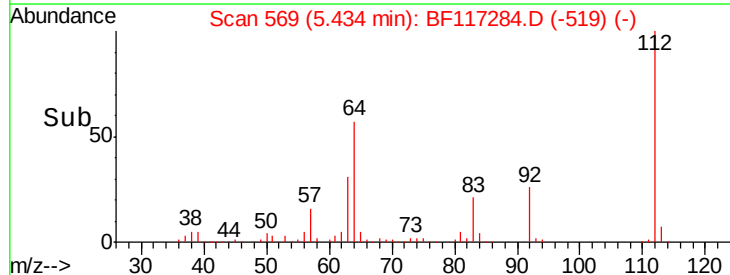
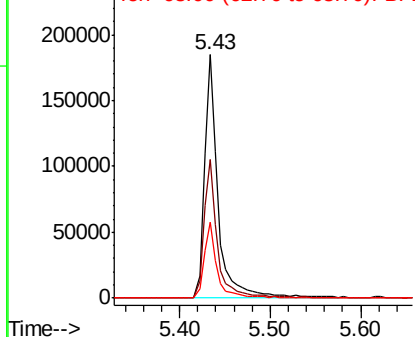
#5

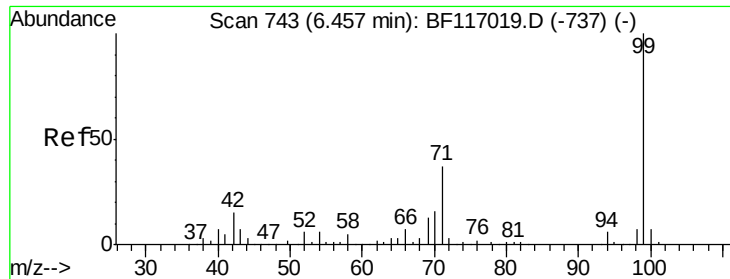
2-Fluorophenol
Concen: 66.217 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BF117284.D
Acq: 1 Oct 2019 18:41

Tgt Ion:112 Resp: 196940
Ion Ratio Lower Upper
112 100
64 57.0 45.7 68.5
63 31.3 24.9 37.3



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: 69.566 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF117284.D

Acq: 1 Oct 2019 18:41

Instrument :

BNA_F

ClientSampleId :

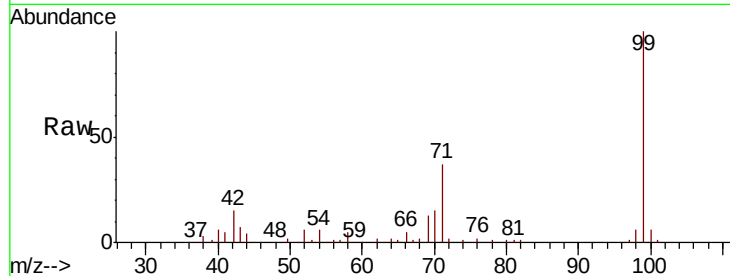
Tot Ion: 99 Resp: 267391

Ion Ratio Lower Upper

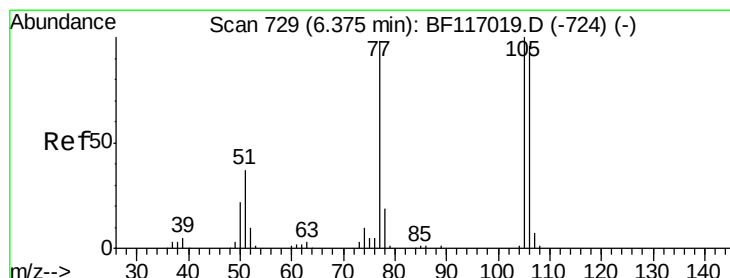
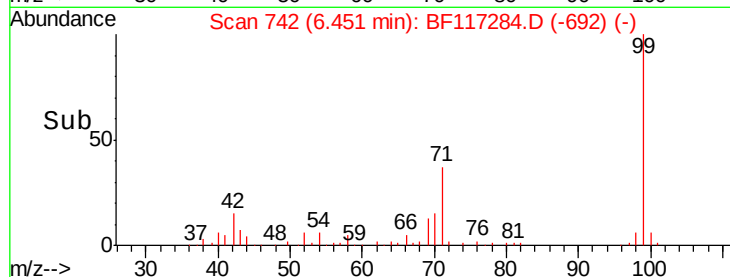
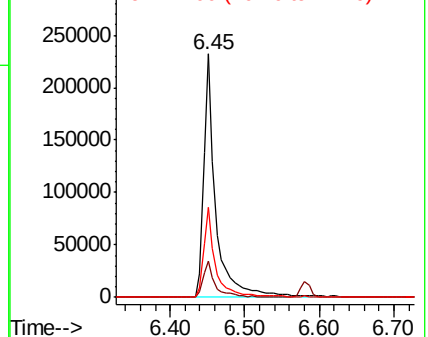
99 100

42 15.0 12.2 18.2

71 36.9 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: 6.58 min Scan# 764

Delta R.T. 0.21 min

Lab File: BF117284.D

Acq: 1 Oct 2019 18:41

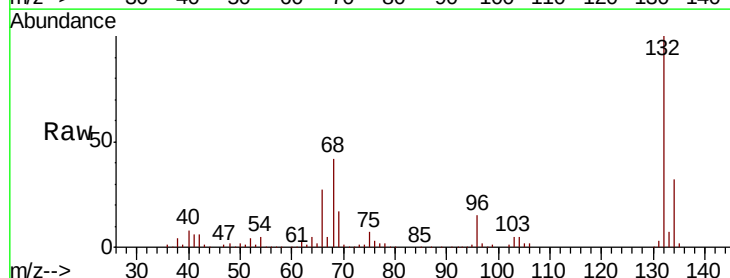
Tgt Ion: 77 Resp: 5458

Ion Ratio Lower Upper

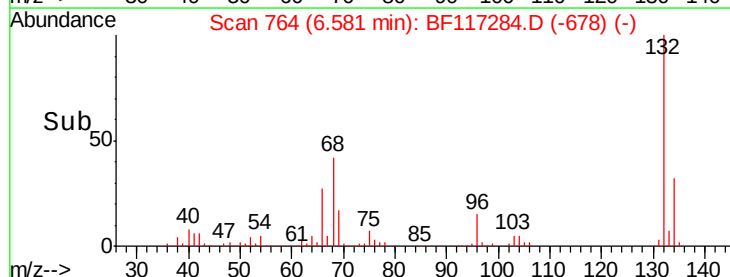
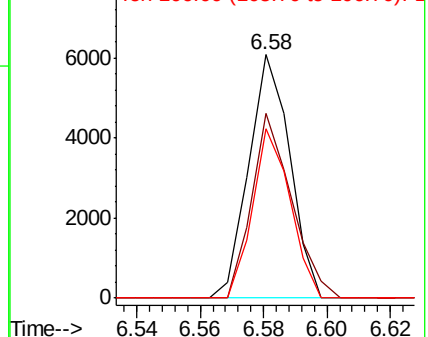
77 100

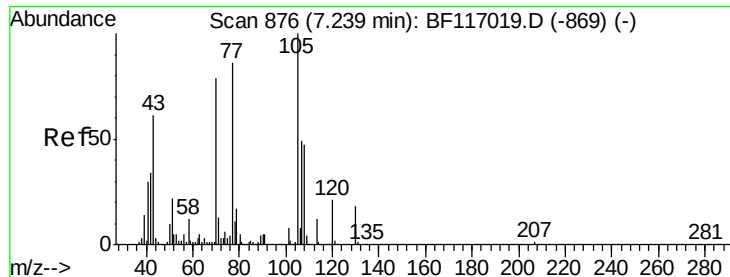
105 75.9 81.8 121.8#

106 69.6 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

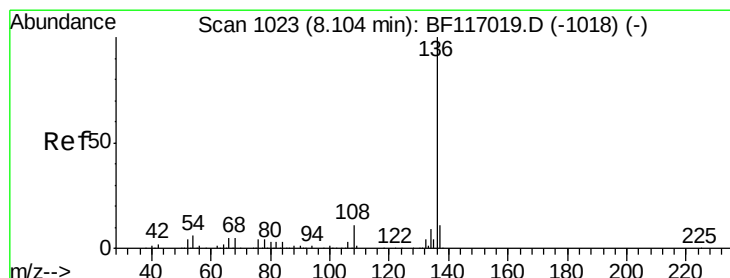
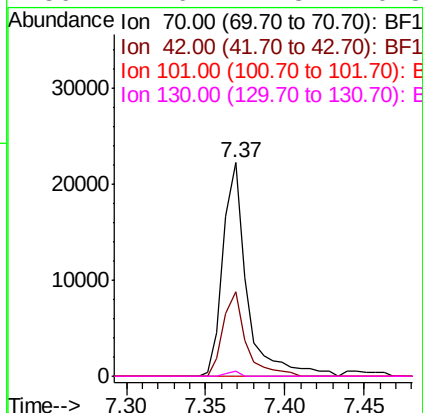
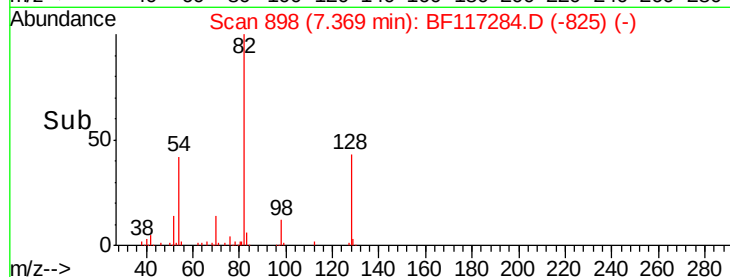
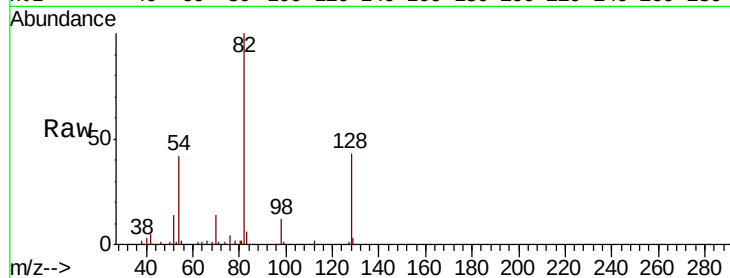




#19
n-Nitroso-di-n-propylamine
Concen: 10.002 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.13 min
Lab File: BF117284.D
Acq: 1 Oct 2019 18:41

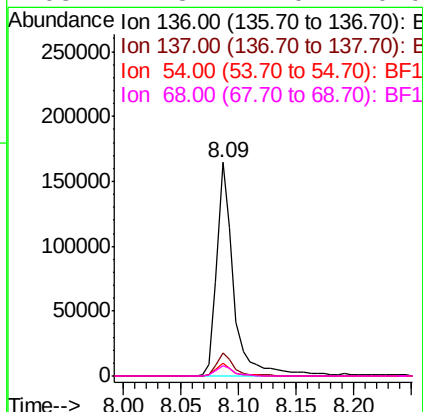
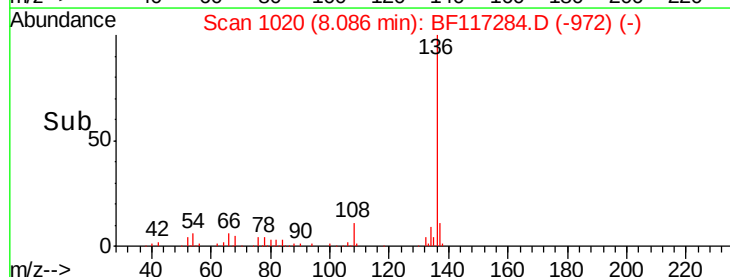
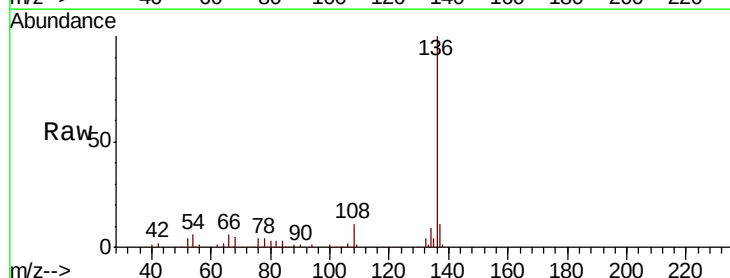
Instrument :
BNA_F
ClientSampleId :

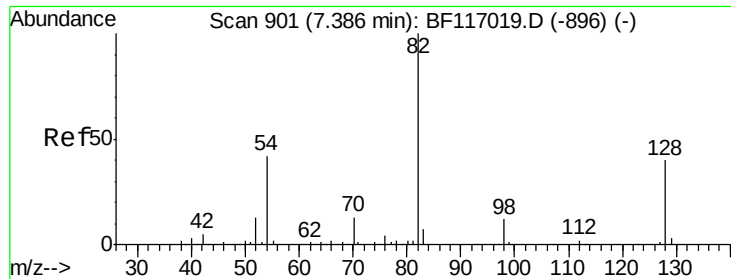
Tot Ion	Ratio	Lower	Upper
70	100		
42	39.4	34.0	51.0
101	0.0	7.8	11.6#
130	2.6	17.8	26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.02 min
Lab File: BF117284.D
Acq: 1 Oct 2019 18:41

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	5.8	4.5	6.7
68	4.8	4.0	6.0

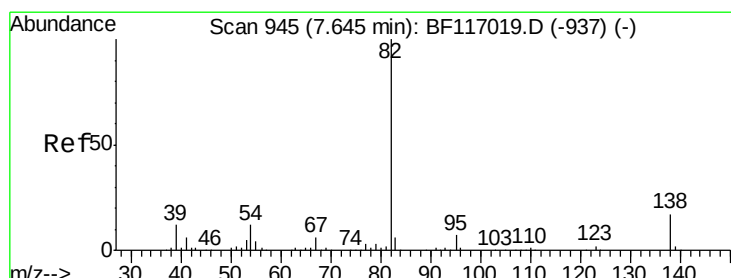
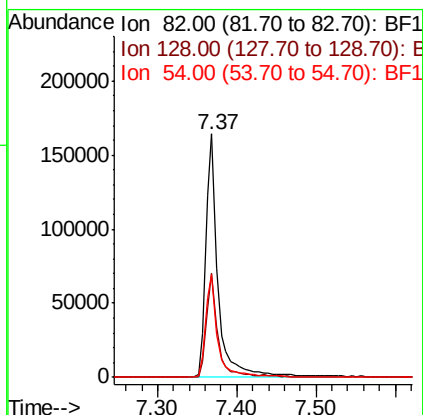
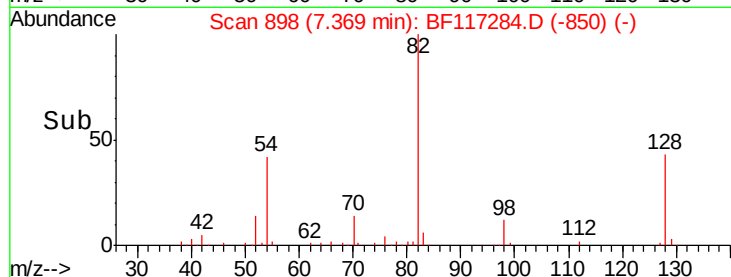
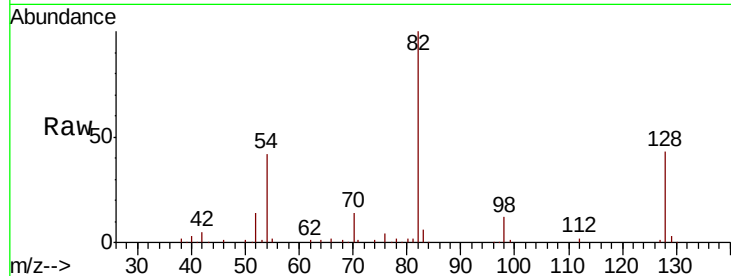




#23
Nitrobenzene-d5
Concen: 55.685 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.02 min
Lab File: BF117284.D
Acq: 1 Oct 2019 18:41

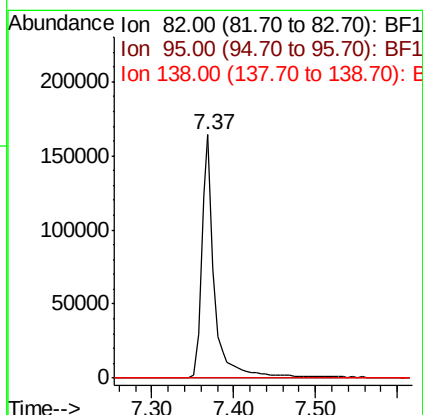
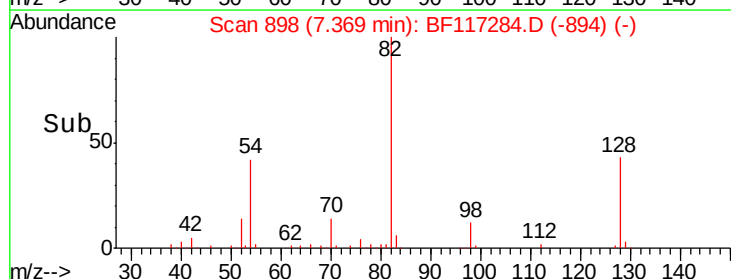
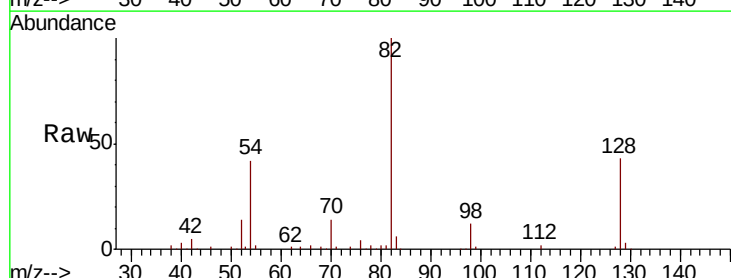
Instrument :
BNA_F
ClientSampleId :

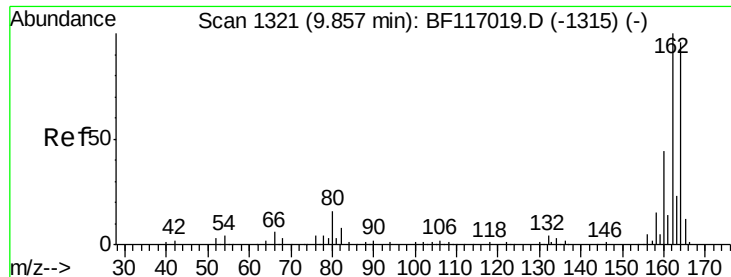
Tot Ion	82	Resp	180236
Ion Ratio	100	Lower	Upper
128	42.6	32.3	48.5
54	42.2	33.3	49.9



#25
Isophorone
Concen: 31.450 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.28 min
Lab File: BF117284.D
Acq: 1 Oct 2019 18:41

Tgt Ion	82	Resp	180235
Ion Ratio	100	Lower	Upper
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: BF117284.D

Acq: 1 Oct 2019 18:41

Instrument :

BNA_F

ClientSampled :

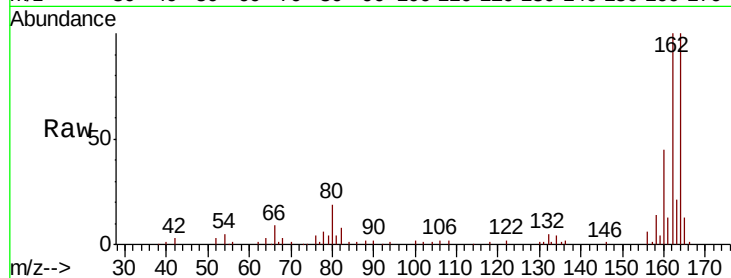
Tot Ion:164 Resp: 76097

Ion Ratio Lower Upper

164 100

162 100.0 83.4 125.2

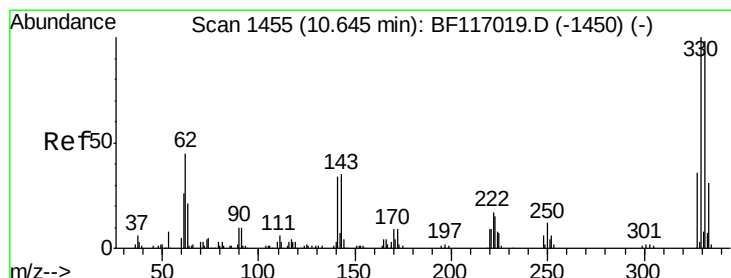
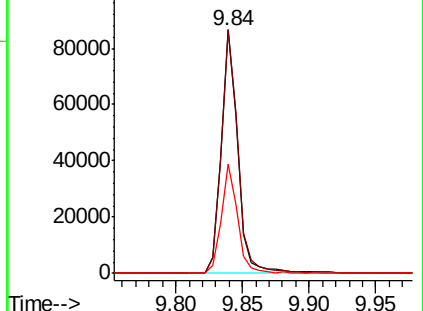
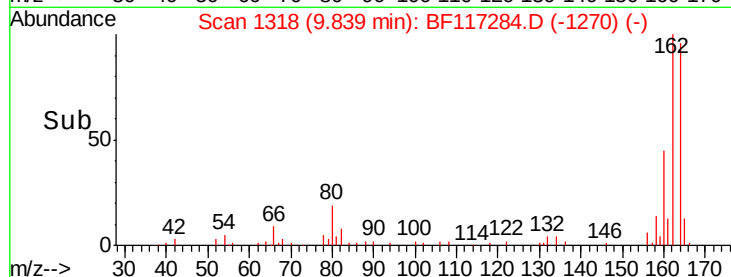
160 44.7 36.4 54.6



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: 60.442 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF117284.D

Acq: 1 Oct 2019 18:41

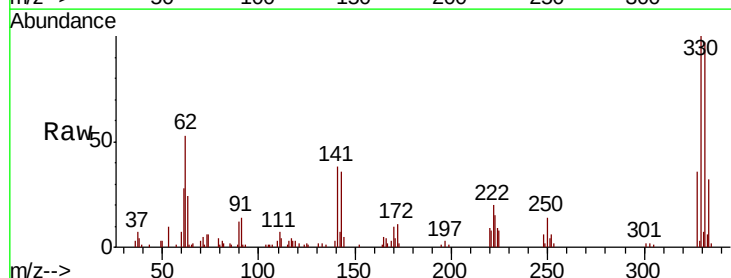
Tgt Ion:330 Resp: 38441

Ion Ratio Lower Upper

330 100

332 95.6 78.0 117.0

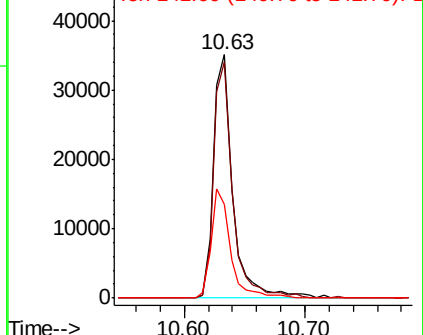
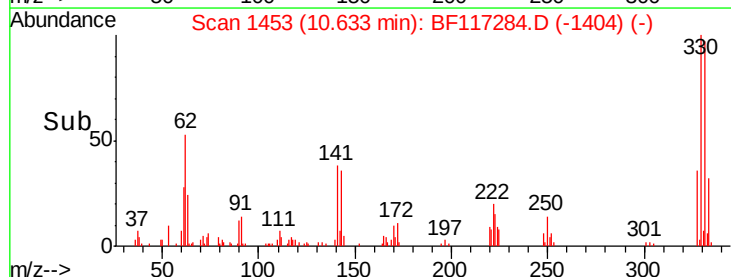
141 44.5 35.8 53.6

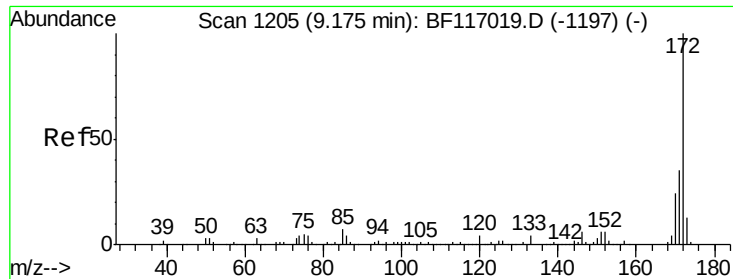


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

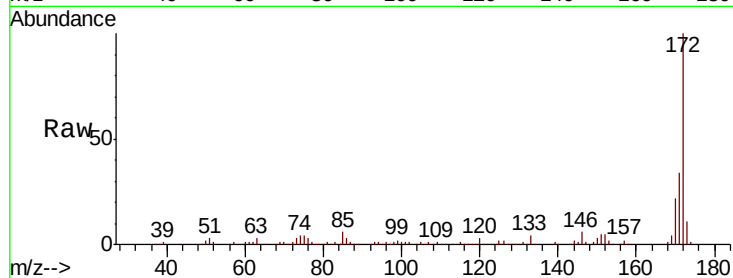




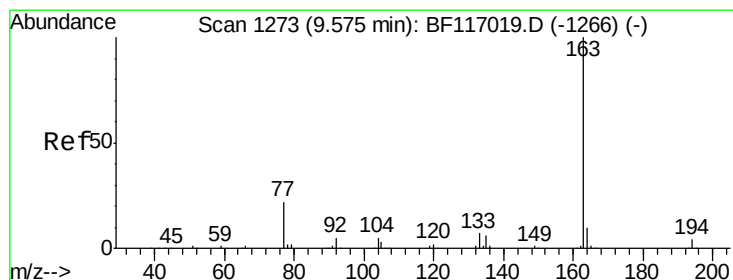
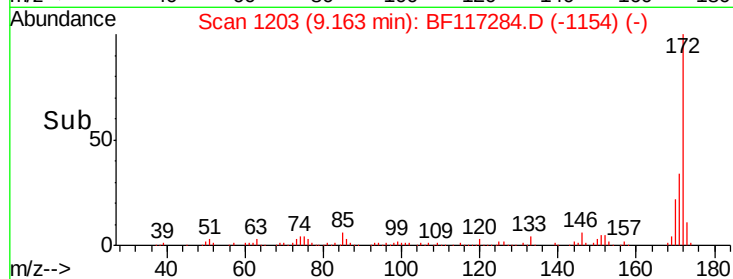
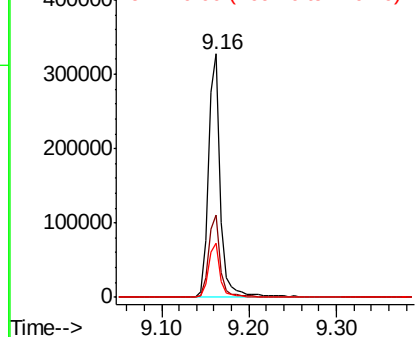
#45
2-Fluorobiphenyl
Concen: 63.586 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF117284.D
Acq: 1 Oct 2019 18:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 309463
Ion Ratio Lower Upper
172 100
171 34.0 28.2 42.2
170 22.1 18.9 28.3

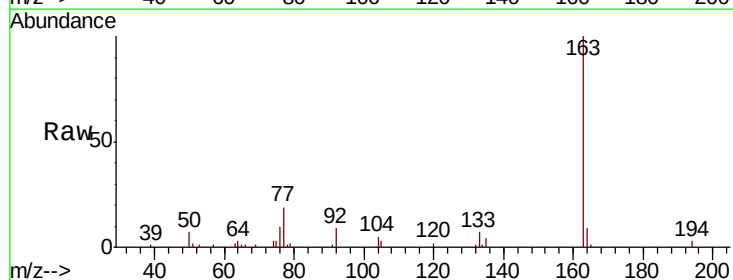


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

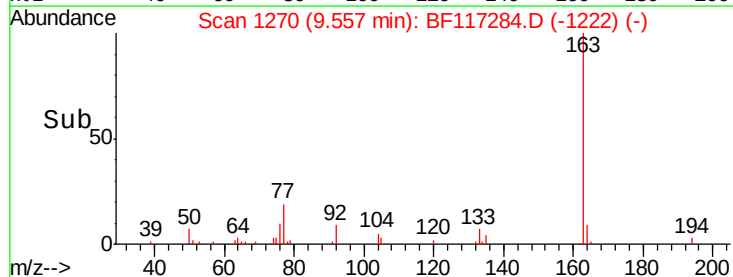
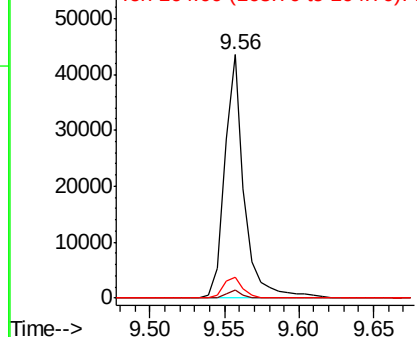


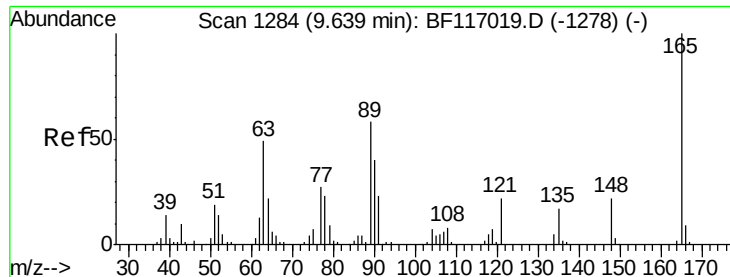
#50
Dimethylphthalate
Concen: 7.382 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BF117284.D
Acq: 1 Oct 2019 18:41

Tgt Ion:163 Resp: 39773
Ion Ratio Lower Upper
163 100
194 3.4 2.9 4.3
164 8.5 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

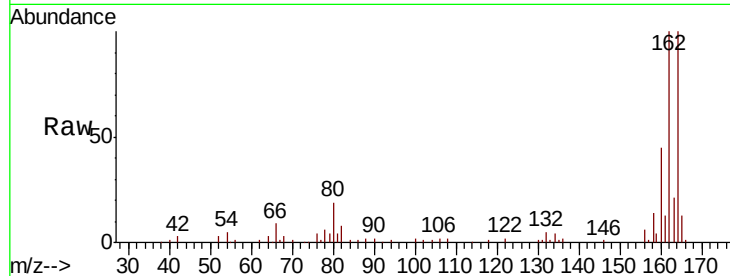




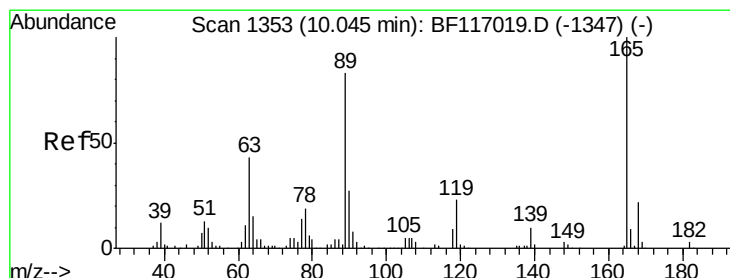
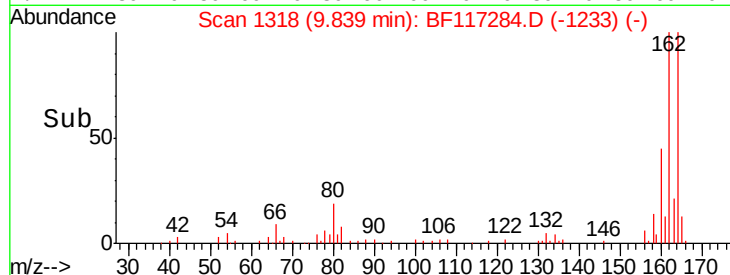
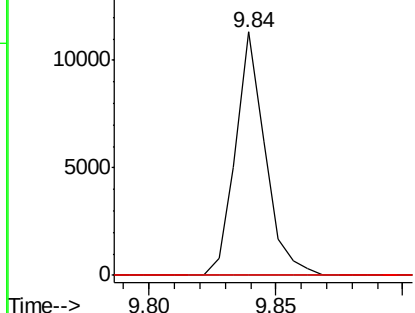
#51
 2,6-Dinitrotoluene
 Concen: 8.365 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. 0.20 min
 Lab File: BF117284.D
 Acq: 1 Oct 2019 18:41

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#

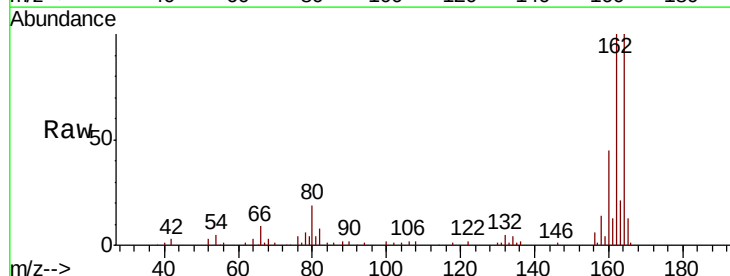


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

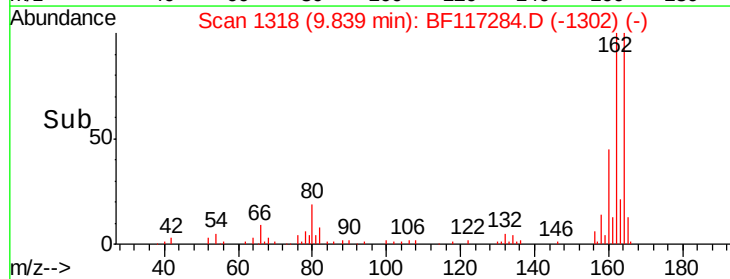
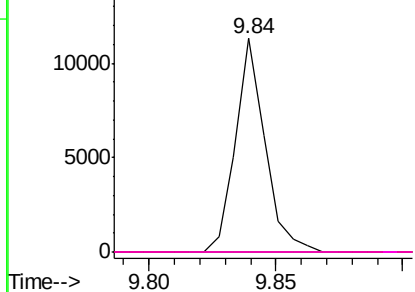


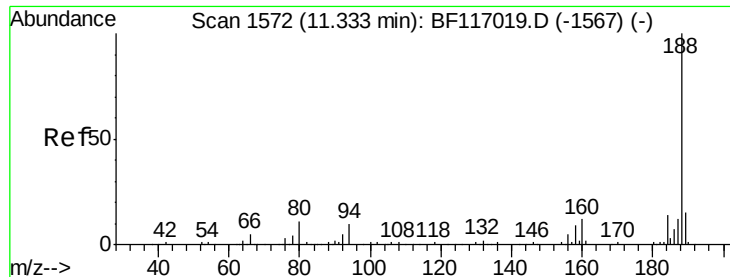
#57
 2,4-Dinitrotoluene
 Concen: 6.444 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.21 min
 Lab File: BF117284.D
 Acq: 1 Oct 2019 18:41

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#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

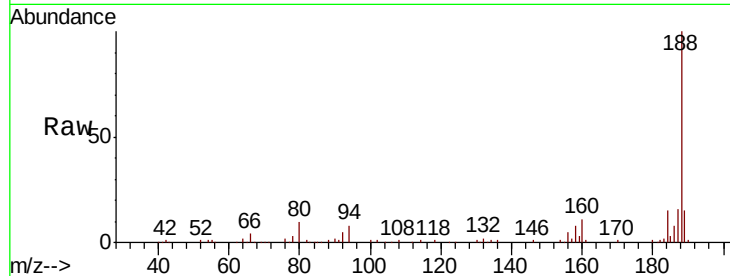




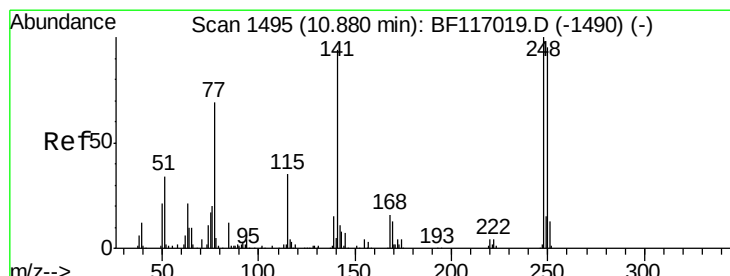
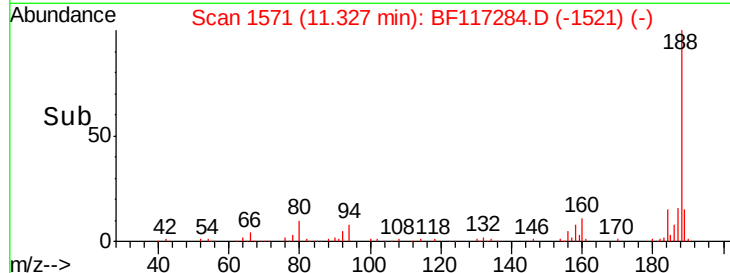
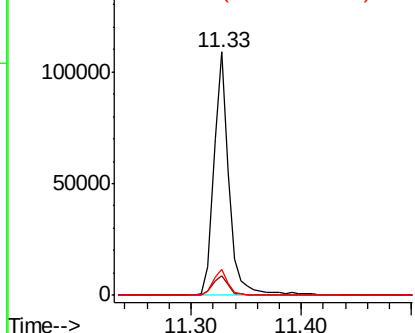
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF117284.D
Acq: 1 Oct 2019 18:41

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 101604
Ion Ratio Lower Upper
188 100
94 8.1 8.2 12.2#
80 10.5 9.0 13.6

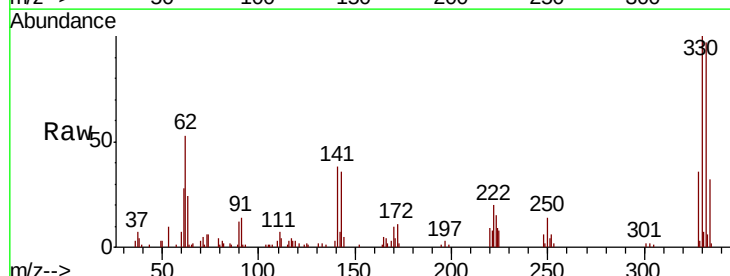


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

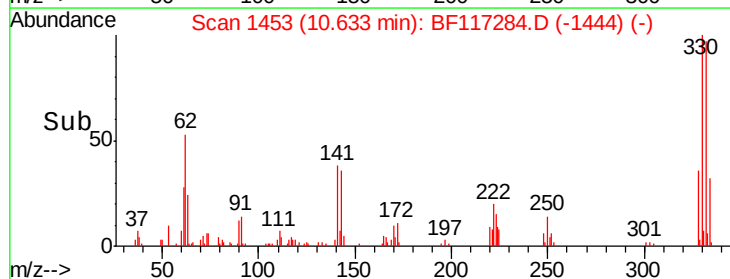
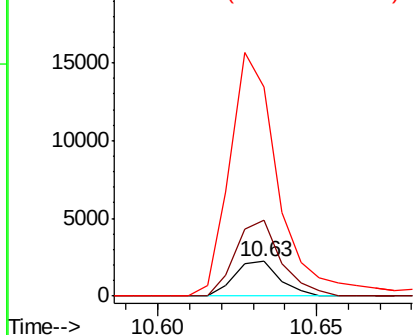


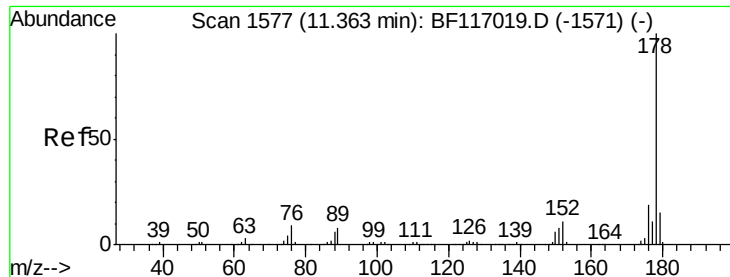
#67
4-Bromophenyl-phenylether
Concen: 2.116 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.25 min
Lab File: BF117284.D
Acq: 1 Oct 2019 18:41

Tgt Ion:248 Resp: 2196
Ion Ratio Lower Upper
248 100
250 175.8 76.2 114.4#
141 484.8 75.0 112.4#



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

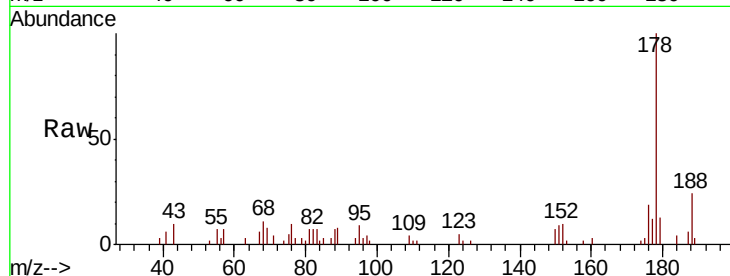




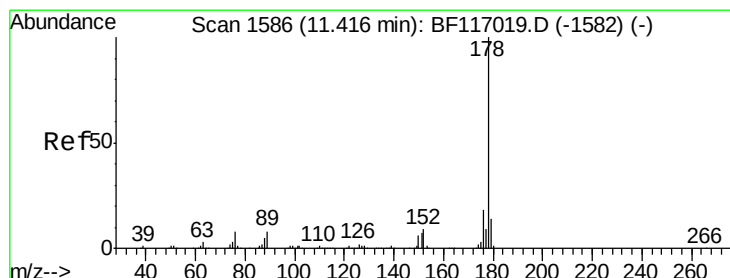
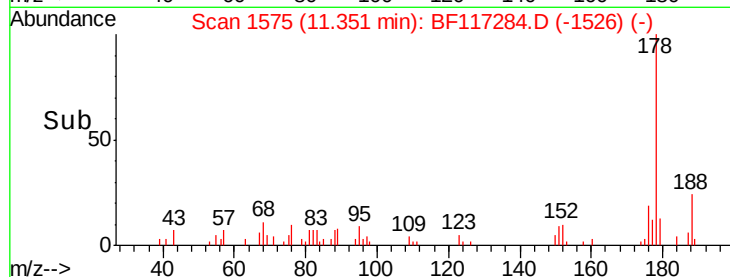
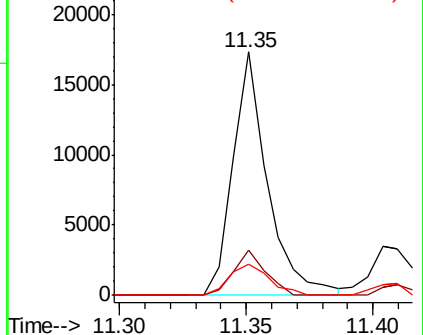
#71
Phenanthrene
Concen: 2.839 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BF117284.D
Acq: 1 Oct 2019 18:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 16386
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.2
179 12.7 12.4 18.6

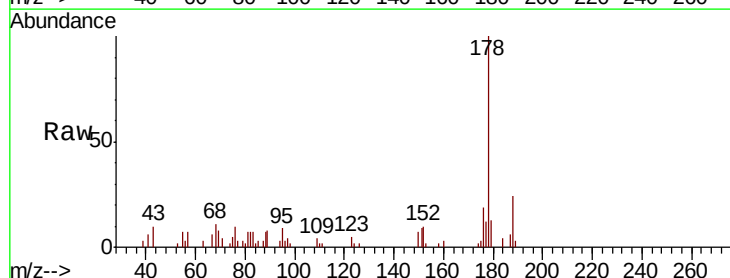


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

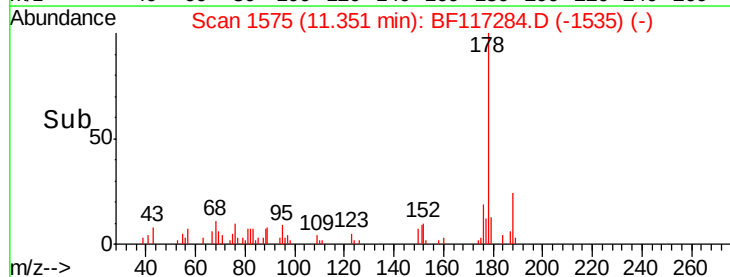
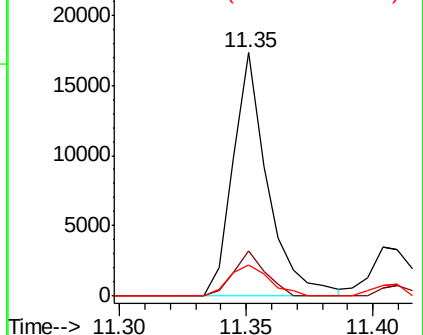


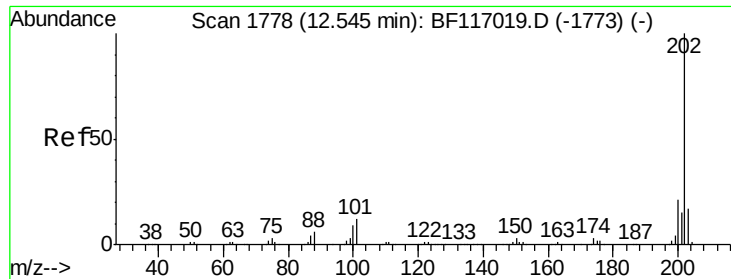
#72
Anthracene
Concen: 2.781 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.06 min
Lab File: BF117284.D
Acq: 1 Oct 2019 18:41

Tgt Ion:178 Resp: 16386
Ion Ratio Lower Upper
178 100
176 18.7 14.6 21.8
179 12.7 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

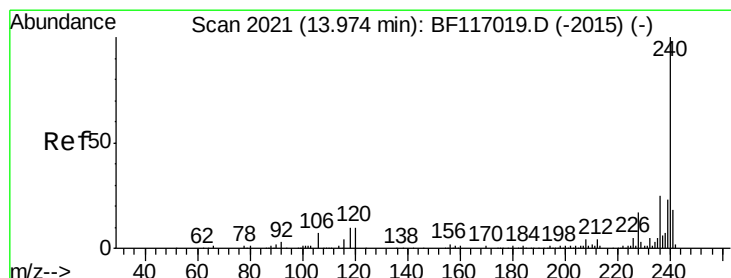
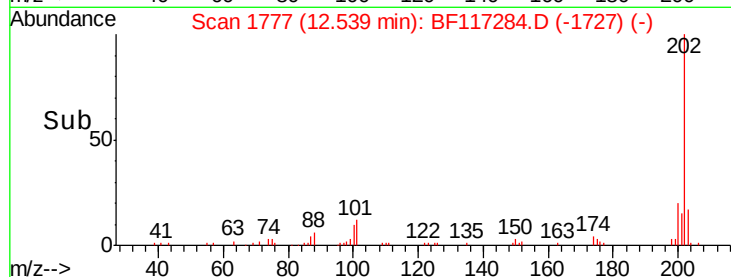
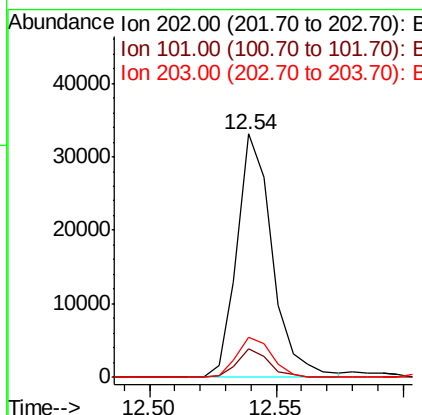
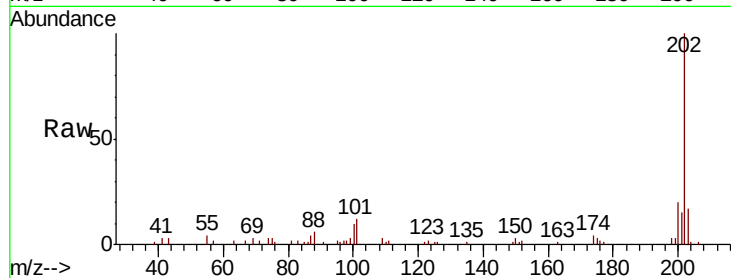




#75
 Fluoranthene
 Concen: 5.420 ng
 RT: 12.54 min Scan# 1777
 Delta R.T. -0.01 min
 Lab File: BF117284.D
 Acq: 1 Oct 2019 18:41

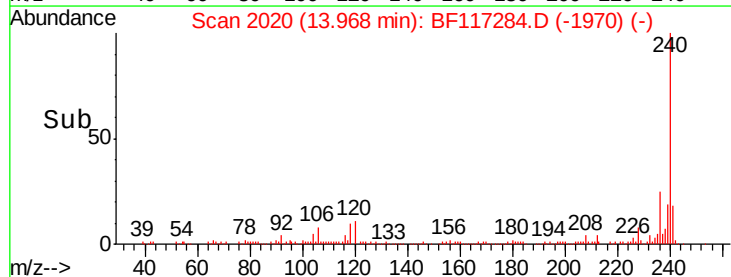
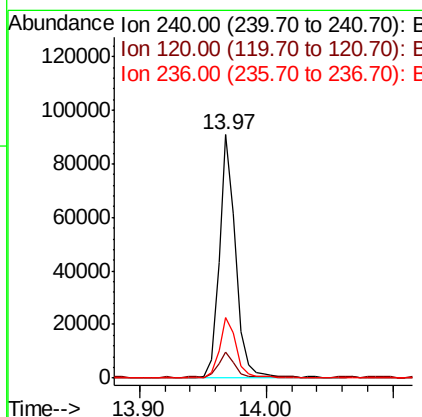
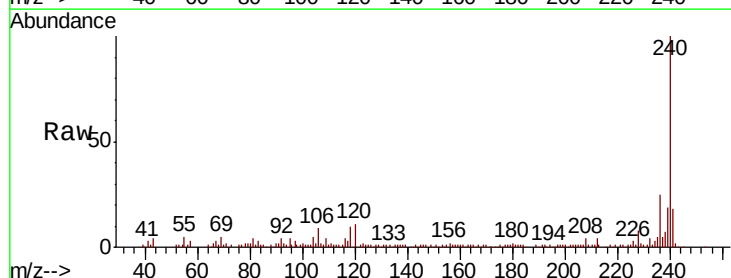
Instrument :
 BNA_F
 ClientSampleId :

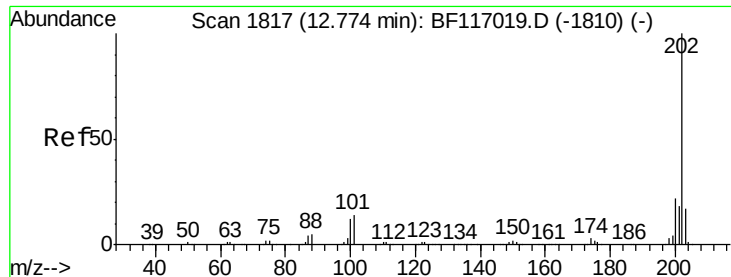
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	32.3
203	16.7	0.0	37.1



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.01 min
 Lab File: BF117284.D
 Acq: 1 Oct 2019 18:41

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.9	8.3	12.5
236	25.1	20.3	30.5

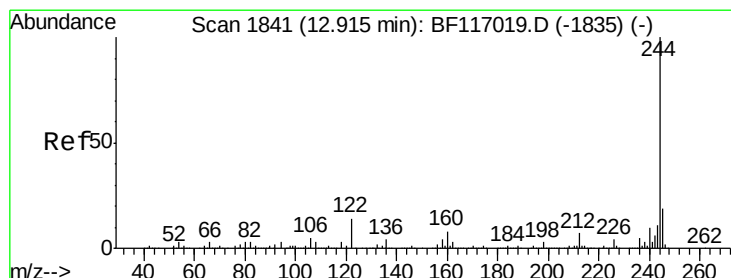
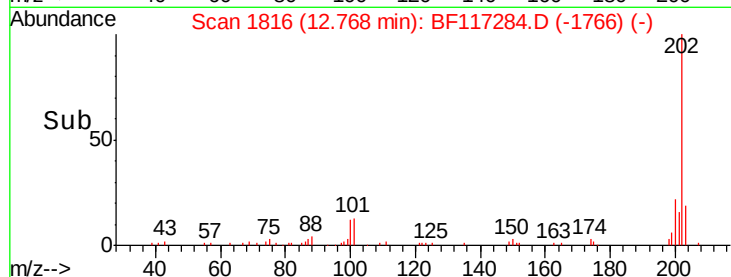
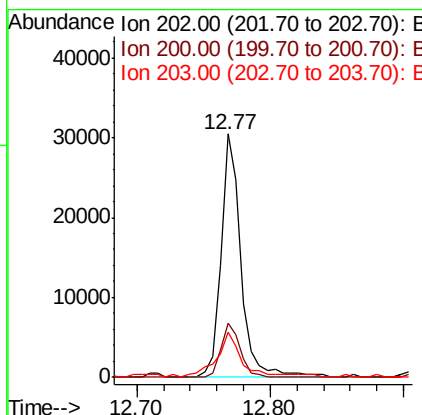
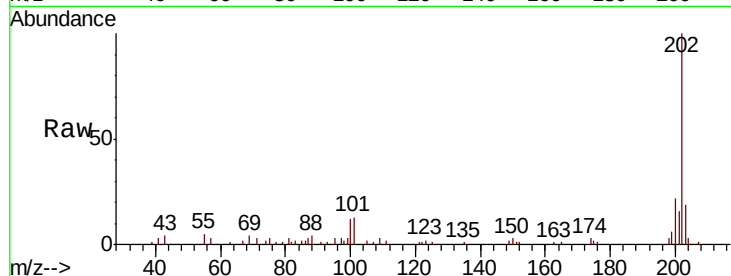




#78
Pvrene
Concen: 4.646 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.01 min
Lab File: BF117284.D
Acq: 1 Oct 2019 18:41

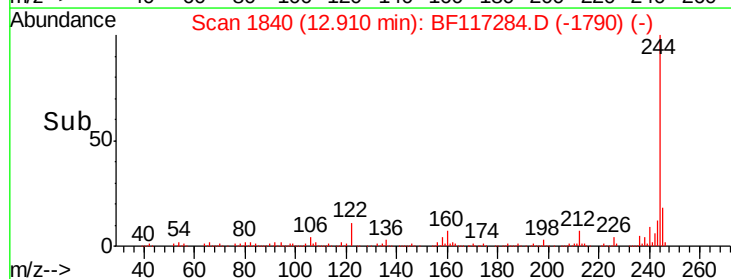
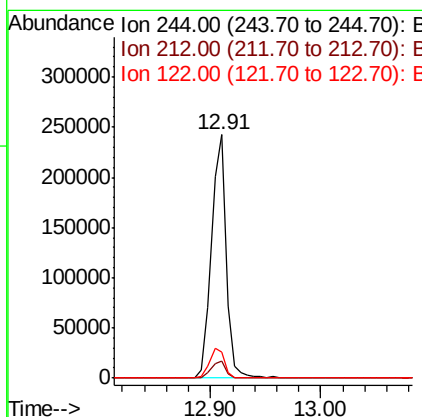
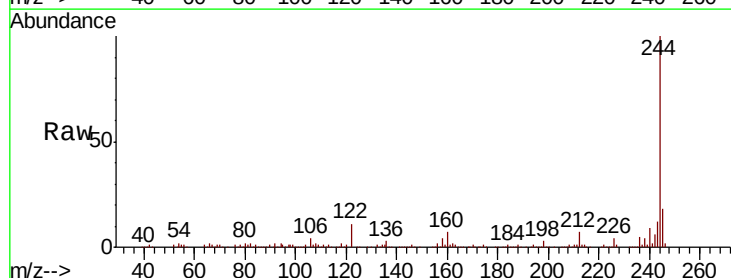
Instrument :
BNA_F
ClientSampleId :

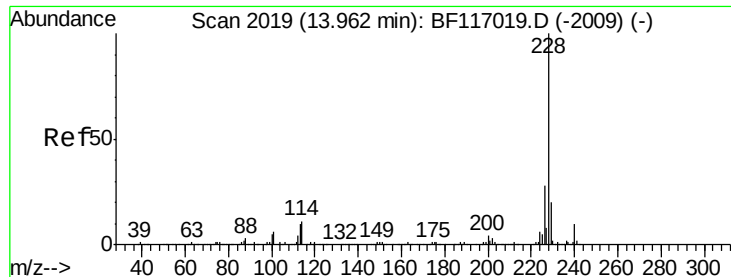
Tot Ion:202 Resp: 32153
Ion Ratio Lower Upper
202 100
200 22.0 17.2 25.8
203 18.6 14.0 21.0



#79
Terphenyl-d14
Concen: 49.862 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.01 min
Lab File: BF117284.D
Acq: 1 Oct 2019 18:41

Tgt Ion:244 Resp: 220022
Ion Ratio Lower Upper
244 100
212 6.9 5.8 8.8
122 10.8 11.3 16.9#





#81

Benzo(a)anthracene

Concen: 3.448 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF117284.D

Acq: 1 Oct 2019 18:41

Instrument :

BNA_F

ClientSampleId :

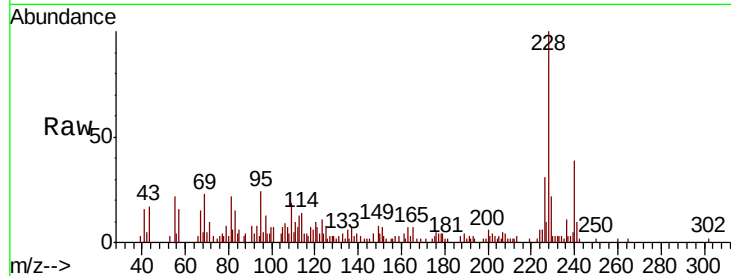
Tot Ion:228 Resp: 19003

Ion Ratio Lower Upper

228 100

226 31.1 22.3 33.5

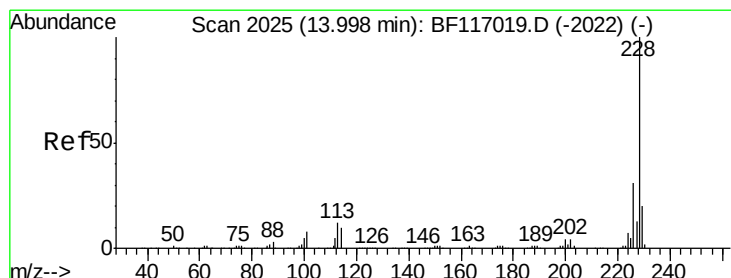
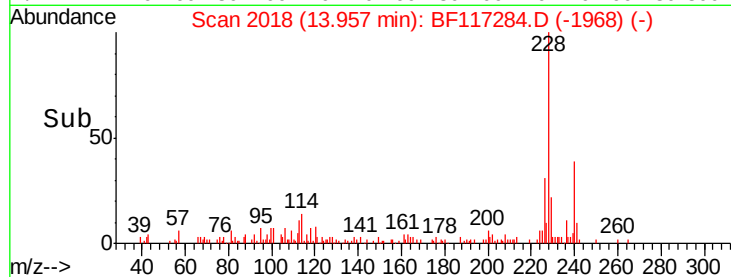
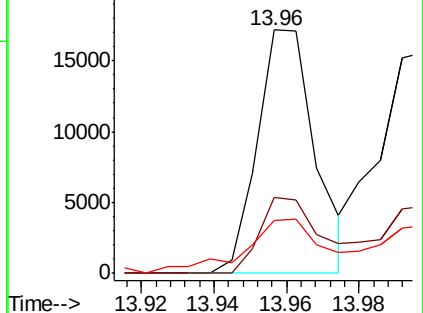
229 21.9 15.9 23.9



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: 3.865 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.00 min

Lab File: BF117284.D

Acq: 1 Oct 2019 18:41

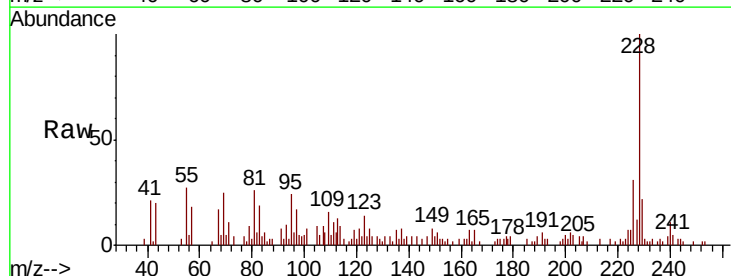
Tgt Ion:228 Resp: 20774

Ion Ratio Lower Upper

228 100

226 30.7 24.8 37.2

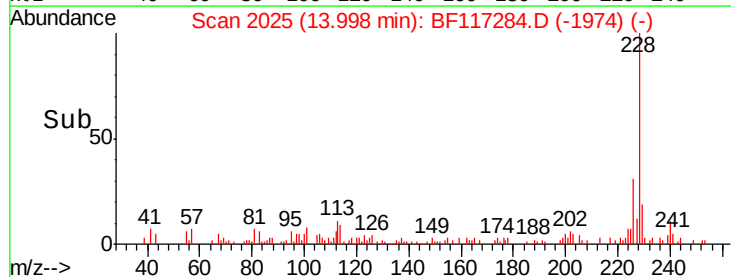
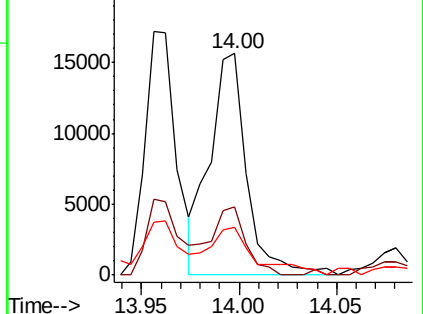
229 21.7 15.8 23.8

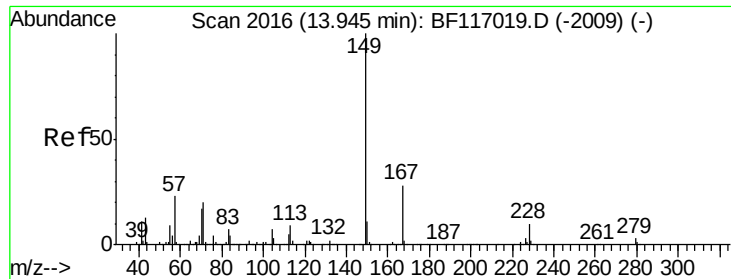


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 12.099 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF117284.D

Acq: 1 Oct 2019 18:41

Instrument :

BNA_F

ClientSampleId :

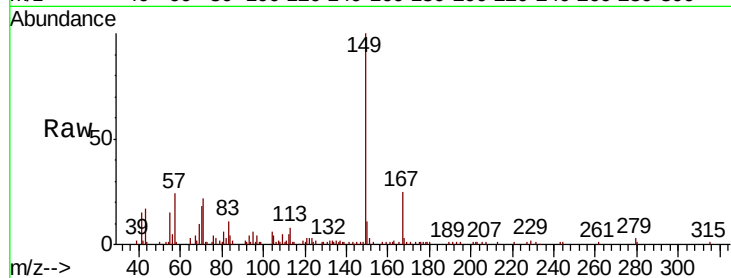
Tot Ion:149 Resp: 51016

Ion Ratio Lower Upper

149 100

167 25.4 22.2 33.2

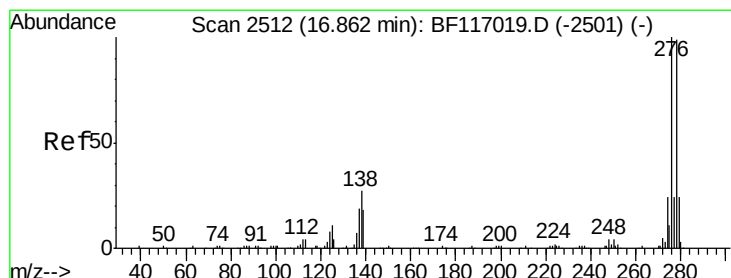
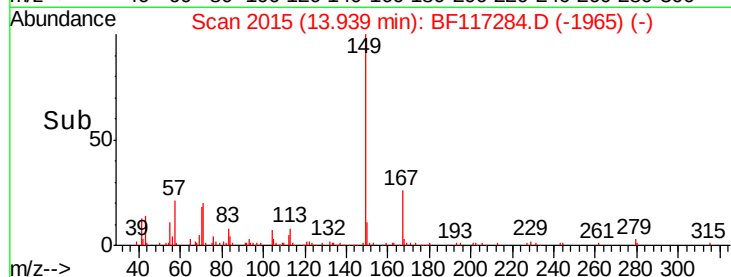
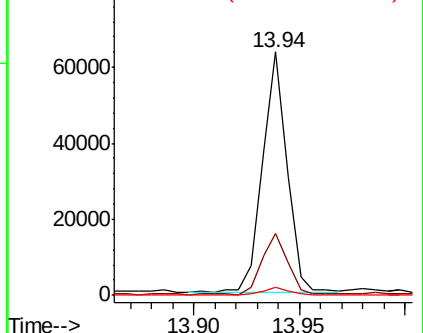
279 3.2 2.8 4.2



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: 3.936 ng

RT: 16.88 min Scan# 2515

Delta R.T. 0.02 min

Lab File: BF117284.D

Acq: 1 Oct 2019 18:41

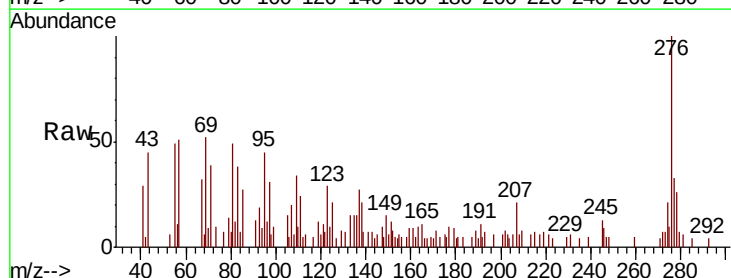
Tgt Ion:276 Resp: 15435

Ion Ratio Lower Upper

276 100

138 31.6 20.7 31.1#

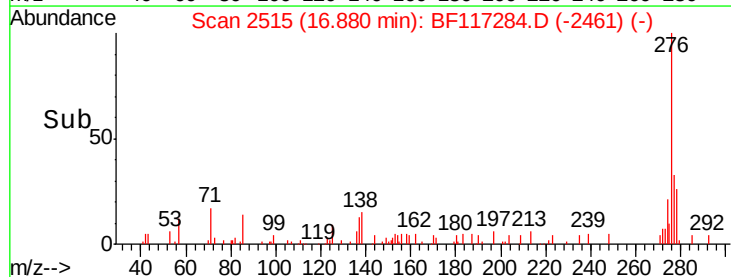
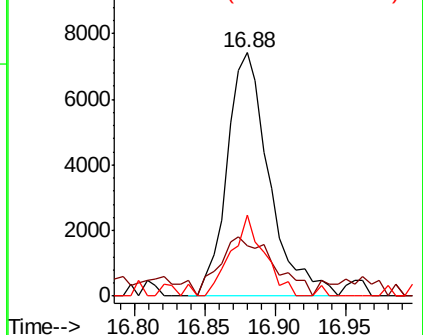
277 26.0 19.8 29.8

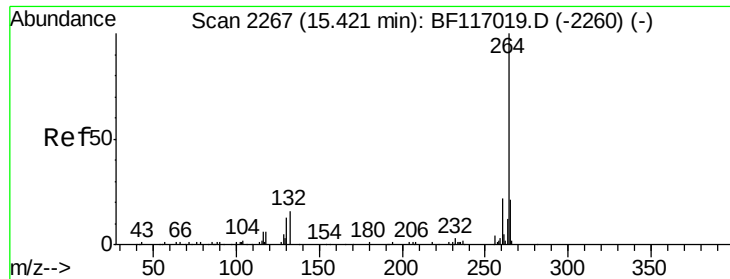


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



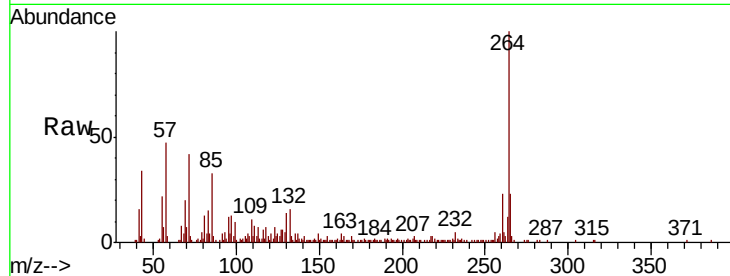


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.01 min
Lab File: BF117284.D
Acq: 1 Oct 2019 18:41

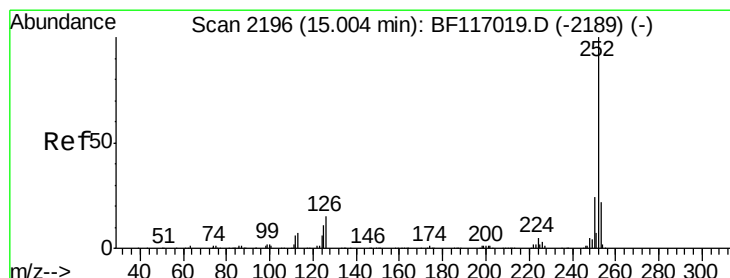
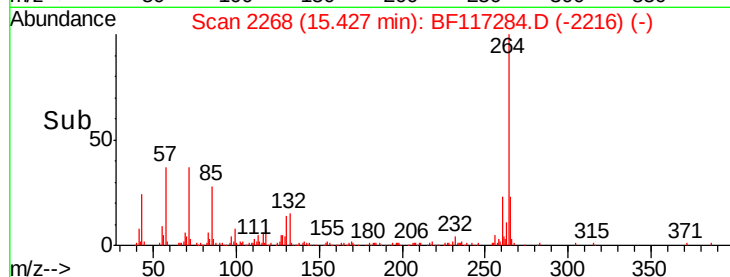
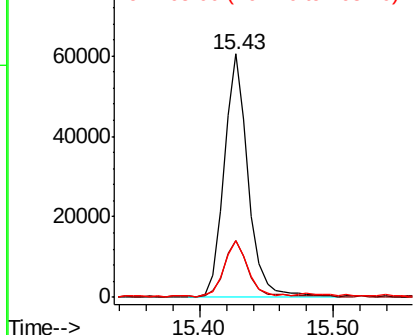
Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 76684

Ion	Ratio	Lower	Upper
264	100		
260	23.4	17.6	26.4
265	23.4	16.6	24.8



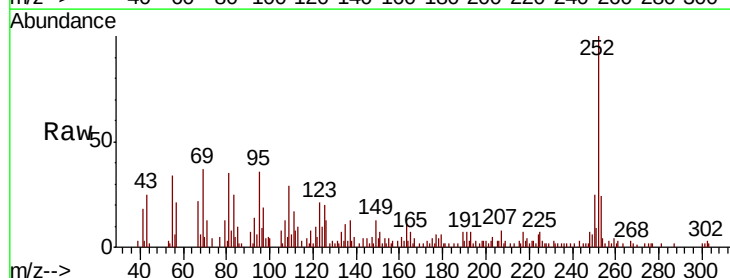
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



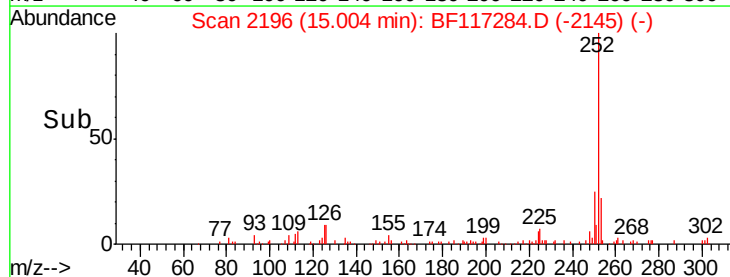
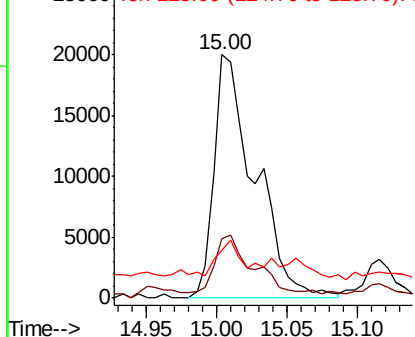
#88
Benzo(b)fluoranthene
Concen: 8.708 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.00 min
Lab File: BF117284.D
Acq: 1 Oct 2019 18:41

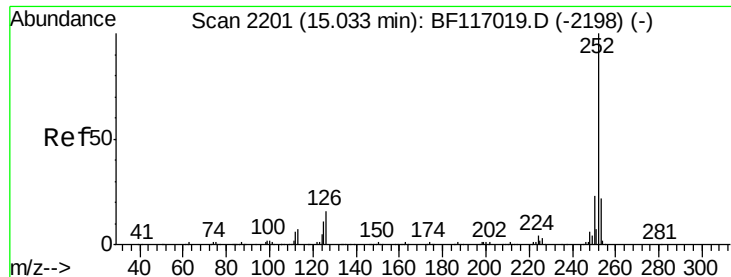
Tgt Ion:252 Resp: 40447

Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.6	26.4
125	19.7	8.6	12.8#



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

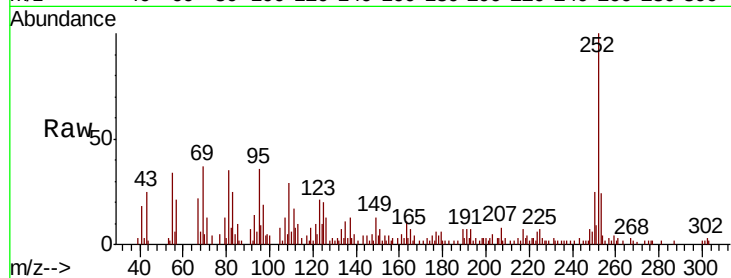




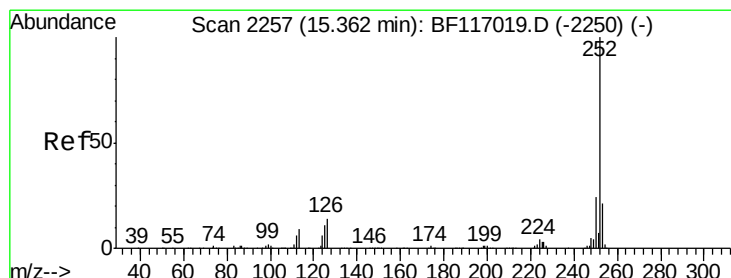
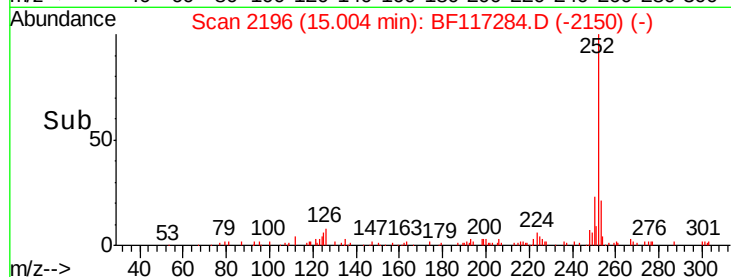
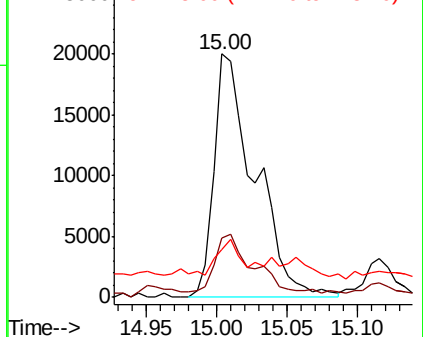
#89
Benzo(k)fluoranthene
Concen: 9.192 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.03 min
Lab File: BF117284.D
Acq: 1 Oct 2019 18:41

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 40447
Ion Ratio Lower Upper
252 100
253 24.2 17.4 26.2
125 19.7 8.8 13.2#

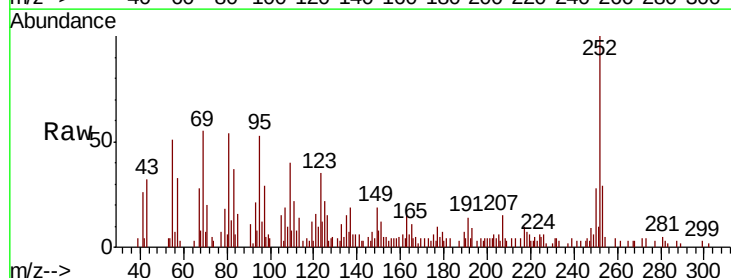


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

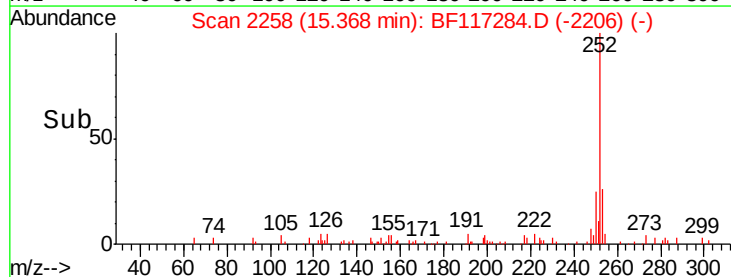
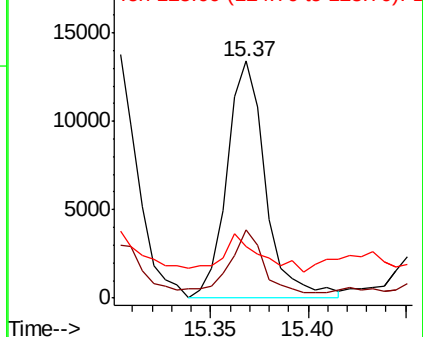


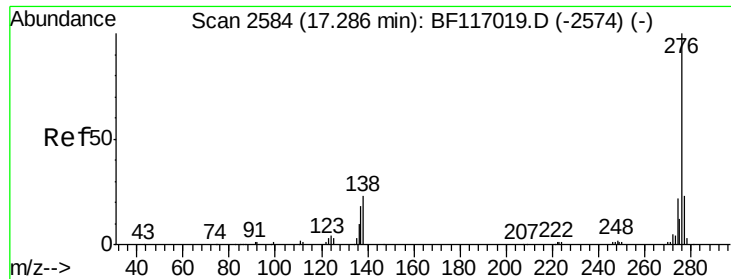
#90
Benzo(a)pyrene
Concen: 4.512 ng
RT: 15.37 min Scan# 2258
Delta R.T. 0.01 min
Lab File: BF117284.D
Acq: 1 Oct 2019 18:41

Tgt Ion:252 Resp: 18392
Ion Ratio Lower Upper
252 100
253 28.8 16.6 25.0#
125 22.0 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(a,h,i)perylene

Concen: 5.308 ng

RT: 17.32 min Scan# 2589

Delta R.T. 0.03 min

Lab File: BF117284.D

Acq: 1 Oct 2019 18:41

Instrument :

BNA_F

ClientSampleId :

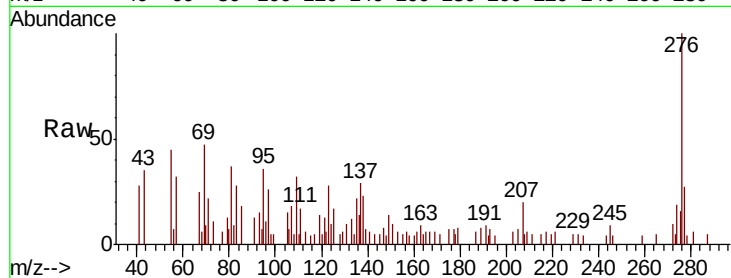
Tot Ion: 276 Resp: 17176

Ion Ratio Lower Upper

276 100

277 26.7 18.6 27.8

138 23.0 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

