

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
 Data File : BF117580.D
 Acq On : 29 Oct 2019 10:30
 Operator : JU
 Sample : K5563-07
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 30 01:17:55 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	50094	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	207137	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	103347	20.00	ng	-0.01
64) Phenanthrene-d10	11.24	188	147377	20.00	ng	0.00
76) Chrysene-d12	13.89	240	86035	20.00	ng	0.00
87) Perylene-d12	15.33	264	103298	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.36	112	245487	72.91	ng	0.00
7) Phenol-d6	6.39	99	335924	74.28	ng	0.00
23) Nitrobenzene-d5	7.29	82	195039	46.48	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	52184	58.36	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	282726	38.55	ng	-0.01
79) Terphenyl-d14	12.83	244	177836	33.72	ng	0.00

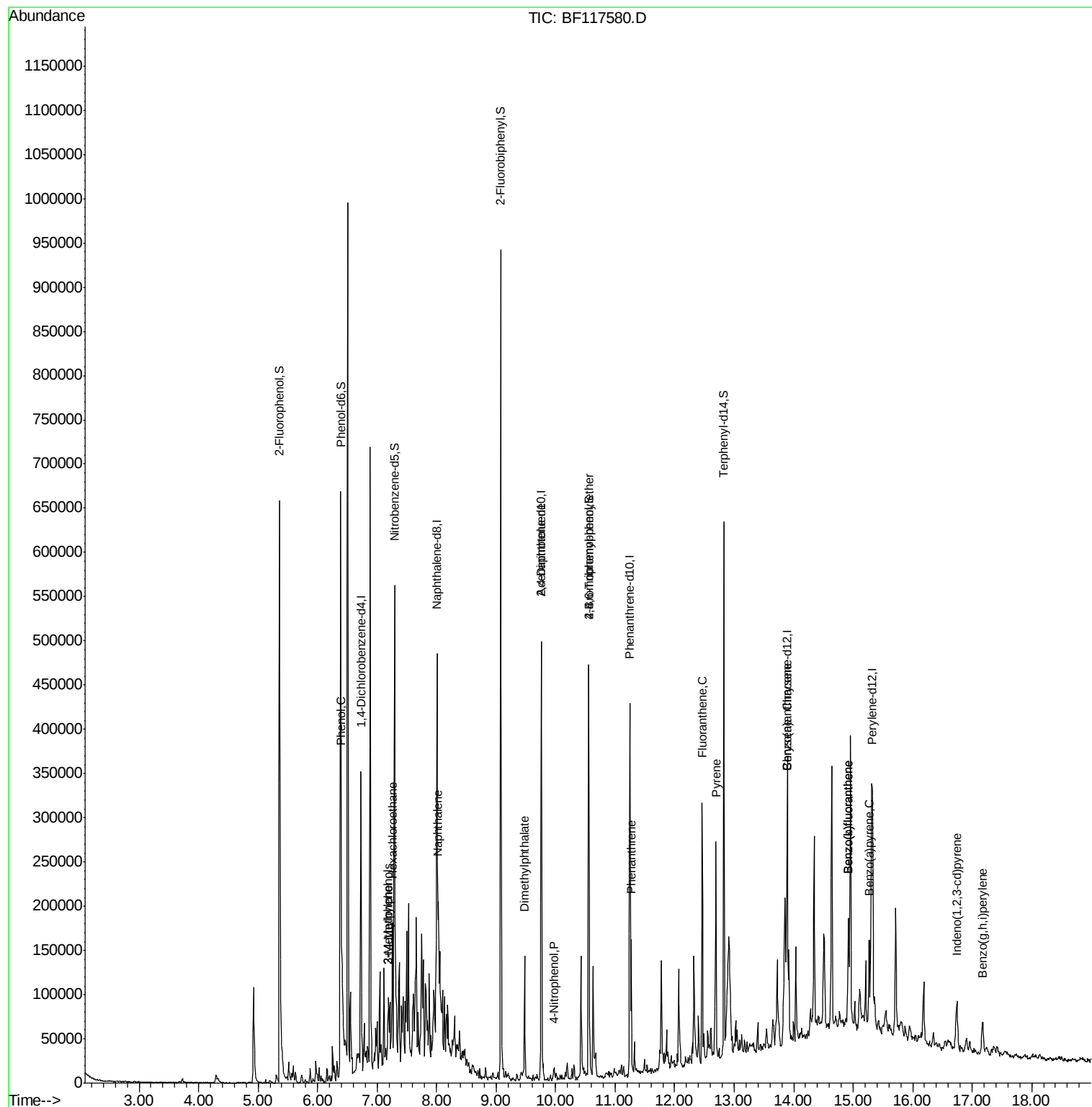
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.28	77	626	Below Cal		# 1
10) Phenol	6.40	94	12065	2.614	ng	85
17) 2-Methylphenol	7.18	107	23113	7.908	ng	# 70
18) Hexachloroethane	7.26	117	8406	5.354	ng	# 1
20) 3+4-Methylphenols	7.18	107	23879	6.231	ng	# 57
31) Naphthalene	8.03	128	24144	2.352	ng	# 84
50) Dimethylphthalate	9.48	163	56107	7.615	ng	97
56) 4-Nitrophenol	9.97	139	1383	5.658	ng	# 6
57) 2,4-Dinitrotoluene	9.76	165	13587	6.647	ng	# 15
67) 4-Bromophenyl-phenylether	10.56	248	3457	2.178	ng	# 1
71) Phenanthrene	11.27	178	57473	6.716	ng	98
75) Fluoranthene	12.46	202	106384	12.418	ng	99
77) Benzidine	12.83	184	2640	Below Cal		# 82
78) Pyrene	12.69	202	92373	12.500	ng	99
81) Benzo(a)anthracene	13.88	228	43989	7.580	ng	97
83) Chrysene	13.88	228	43989	7.734	ng	93
86) Indeno(1,2,3-cd)pyrene	16.74	276	32761	7.715	ng	98
88) Benzo(b)fluoranthene	14.92	252	80677	13.226	ng	97
89) Benzo(k)fluoranthene	14.92	252	80677	12.904	ng	96
90) Benzo(a)pyrene	15.27	252	48125	8.677	ng	# 93
92) Benzo(a,h,i)perylene	17.18	276	29462	6.493	ng	98

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117580.D
Acq On : 29 Oct 2019 10:30
Operator : JU
Sample : K5563-07
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Oct 30 01:17:55 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



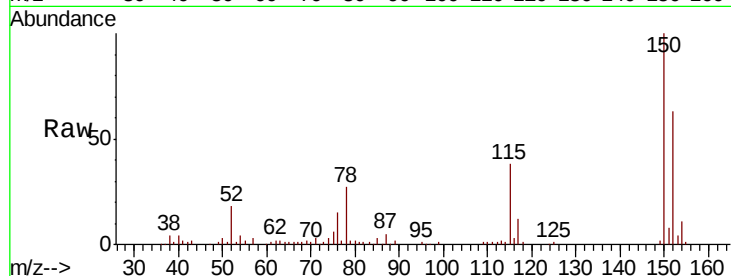


#1

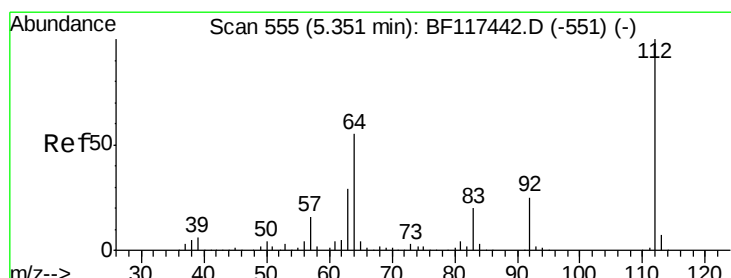
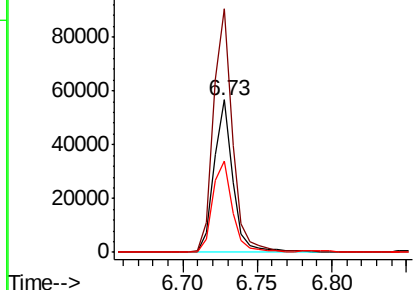
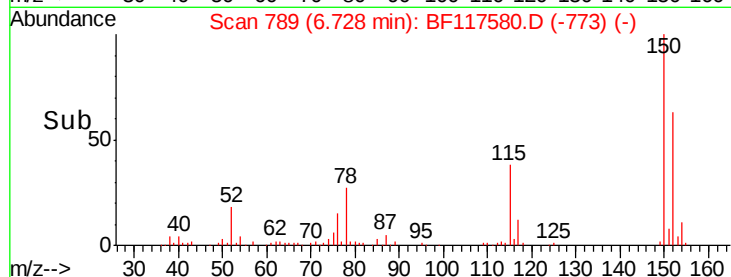
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117580.D
Acq: 29 Oct 2019 10:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 50094
Ion Ratio Lower Upper
152 100
150 159.7 126.8 190.2
115 60.0 51.6 77.4



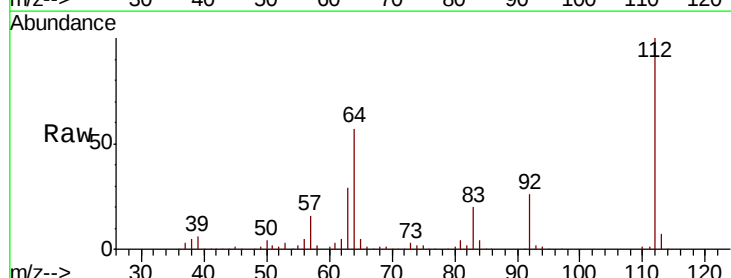
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



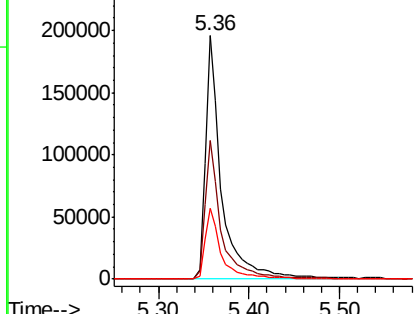
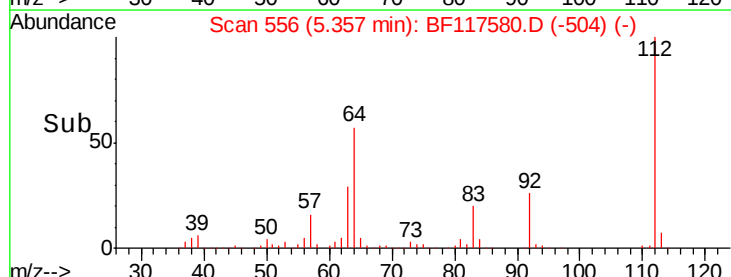
#5

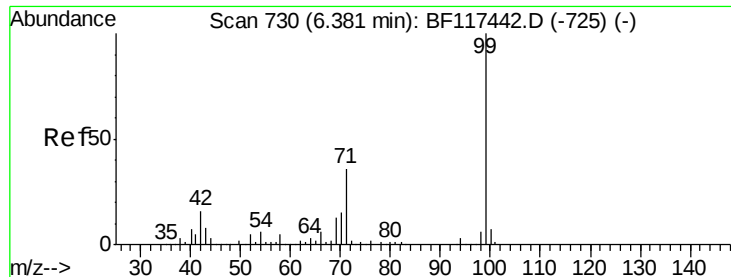
2-Fluorophenol
Concen: 72.905 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF117580.D
Acq: 29 Oct 2019 10:30

Tgt Ion:112 Resp: 245487
Ion Ratio Lower Upper
112 100
64 57.2 44.1 66.1
63 29.1 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: 74.278 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117580.D

Acq: 29 Oct 2019 10:30

Instrument :

BNA_F

ClientSampleId :

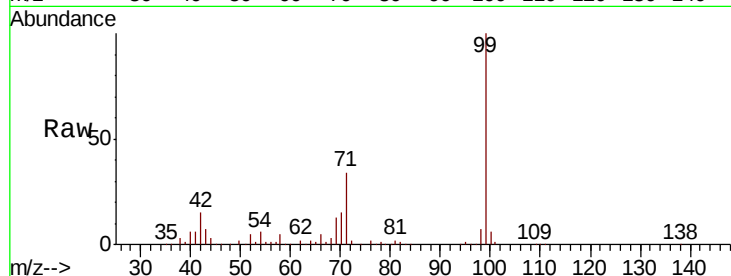
Tot Ion: 99 Resp: 335924

Ion Ratio Lower Upper

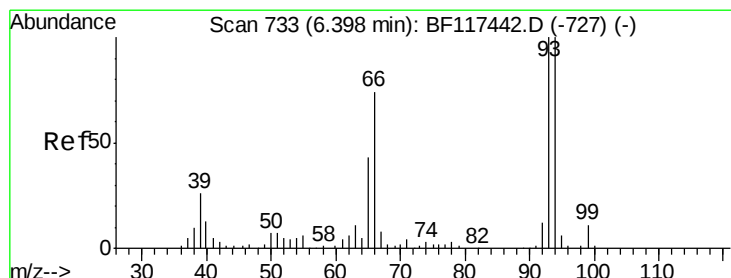
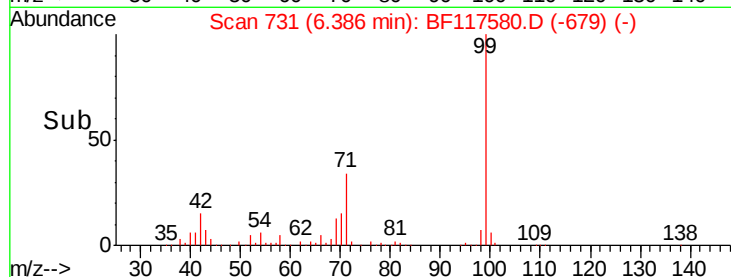
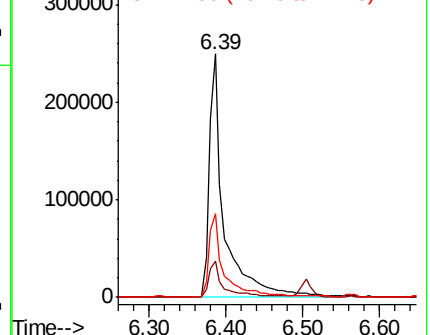
99 100

42 15.0 12.8 19.2

71 34.4 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: 2.614 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.00 min

Lab File: BF117580.D

Acq: 29 Oct 2019 10:30

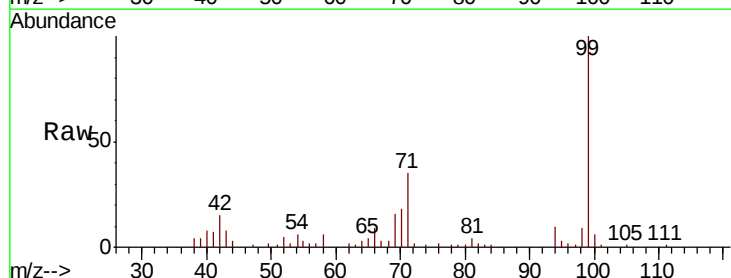
Tgt Ion: 94 Resp: 12065

Ion Ratio Lower Upper

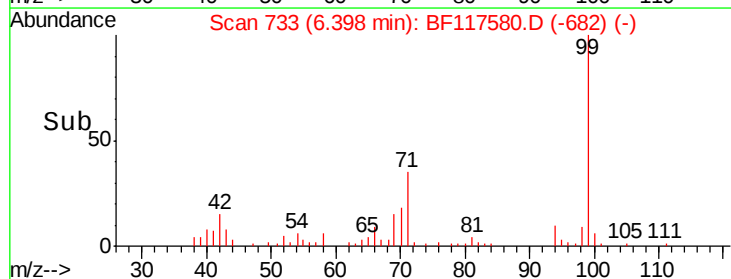
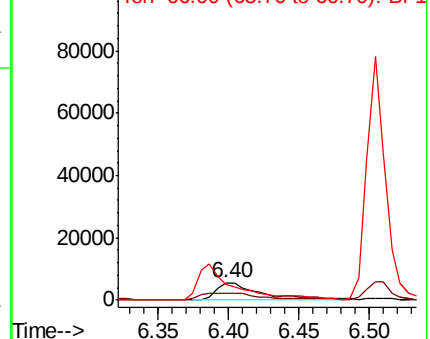
94 100

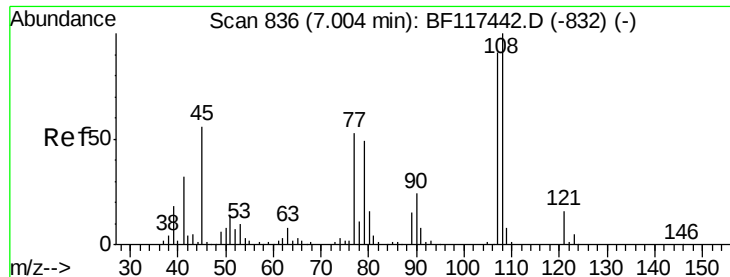
65 39.3 23.4 63.4

66 92.1 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

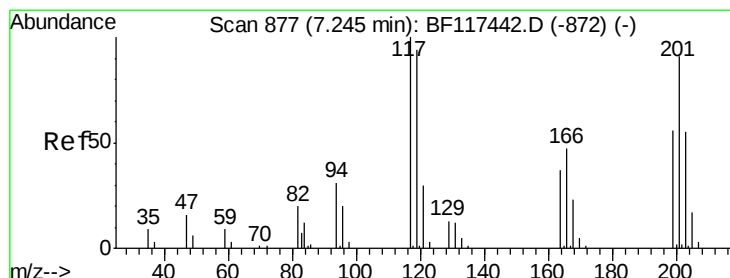
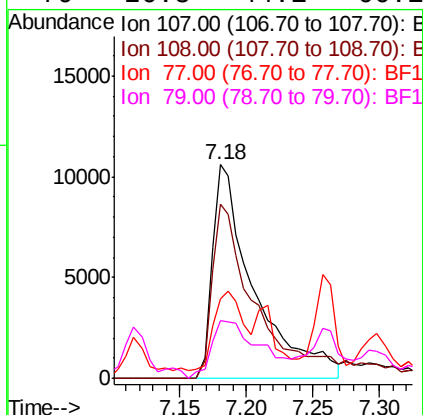
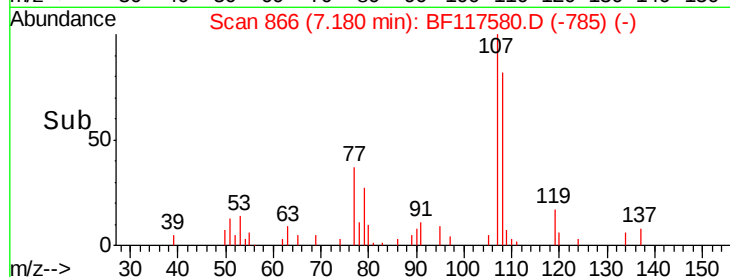
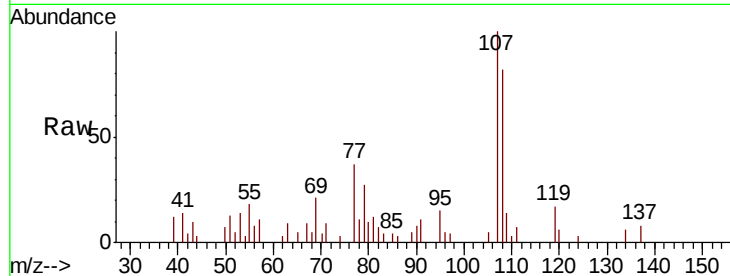




#17
2-Methylphenol
Concen: 7.908 ng
RT: 7.18 min Scan# 866
Delta R.T. 0.18 min
Lab File: BF117580.D
Acq: 29 Oct 2019 10:30

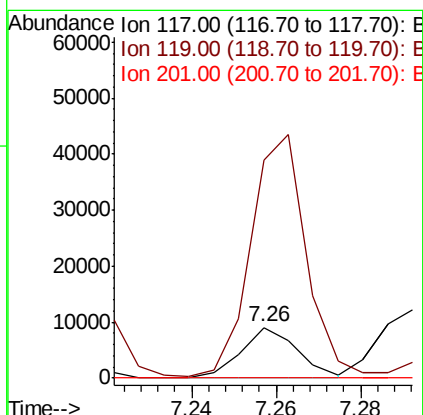
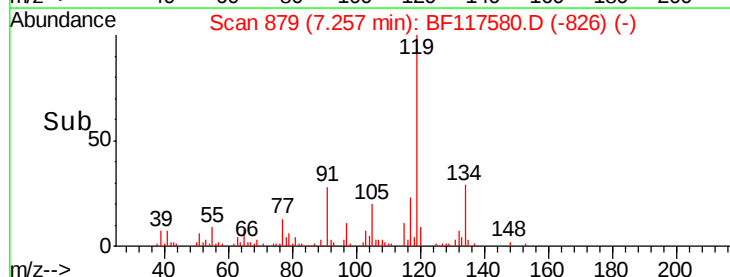
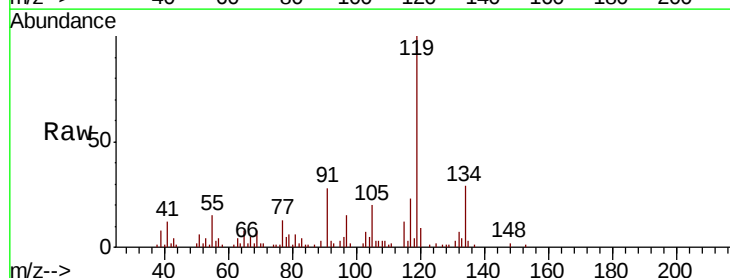
Instrument :
BNA_F
ClientSampleId :

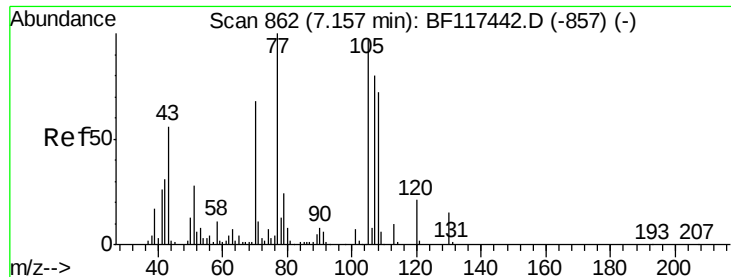
Tot Ion:107 Resp: 23113
Ion Ratio Lower Upper
107 100
108 81.6 88.0 132.0#
77 37.2 47.2 70.8#
79 26.8 44.1 66.1#



#18
Hexachloroethane
Concen: 5.354 ng
RT: 7.26 min Scan# 879
Delta R.T. 0.01 min
Lab File: BF117580.D
Acq: 29 Oct 2019 10:30

Tgt Ion:117 Resp: 8406
Ion Ratio Lower Upper
117 100
119 431.1 75.4 113.0#
201 0.0 72.5 108.7#

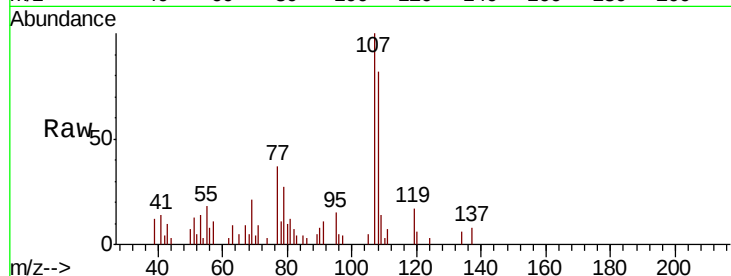




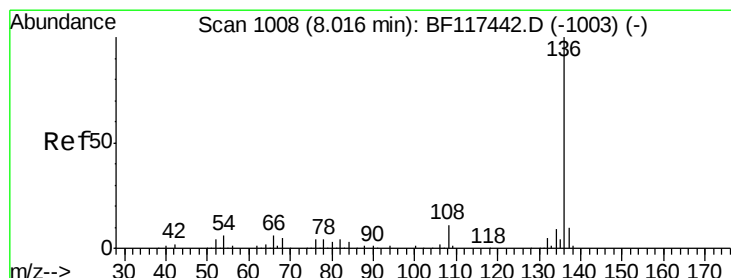
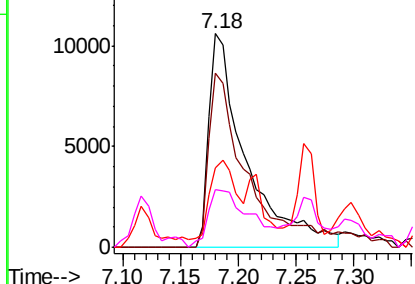
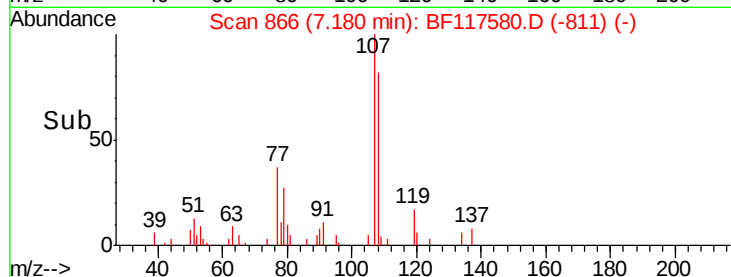
#20
3+4-Methylphenols
Concen: 6.231 ng
RT: 7.18 min Scan# 866
Delta R.T. 0.02 min
Lab File: BF117580.D
Acq: 29 Oct 2019 10:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:107 Resp: 23879
Ion Ratio Lower Upper
107 100
108 81.6 70.3 110.3
77 37.2 104.8 144.8#
79 26.8 10.0 50.0

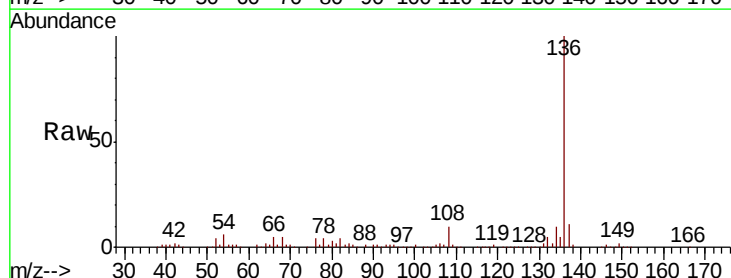


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

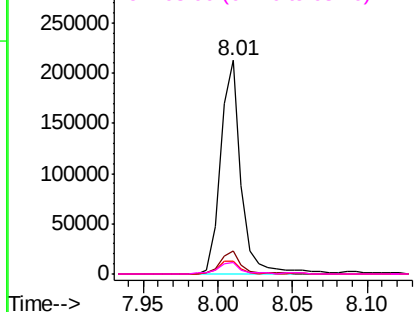
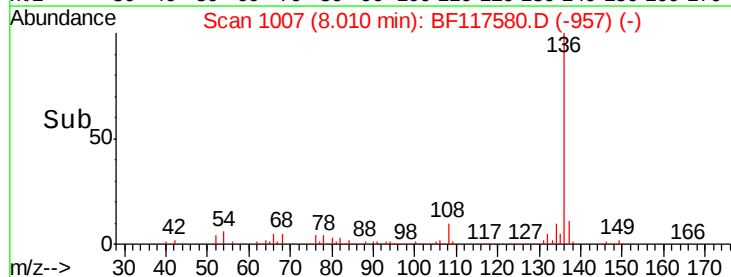


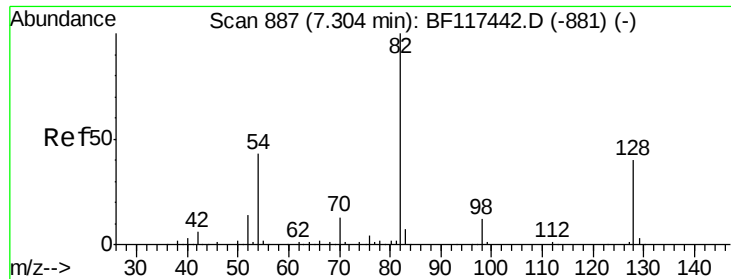
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117580.D
Acq: 29 Oct 2019 10:30

Tgt Ion:136 Resp: 207137
Ion Ratio Lower Upper
136 100
137 11.1 8.2 12.4
54 6.3 4.5 6.7
68 5.3 4.3 6.5



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

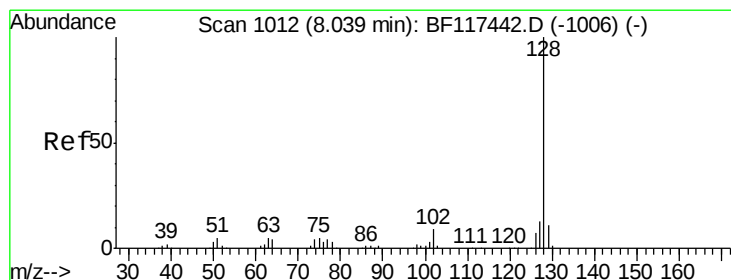
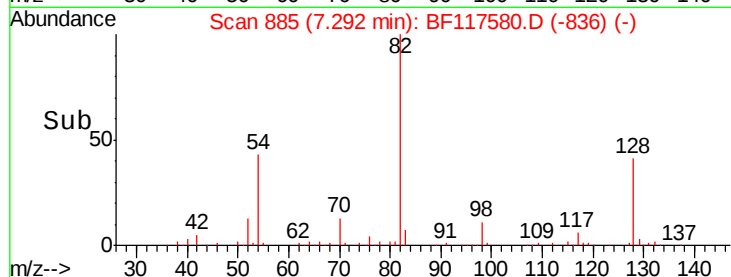
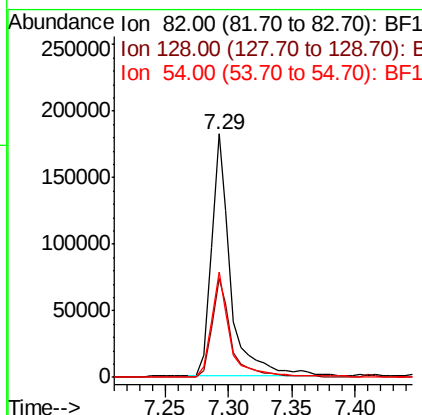
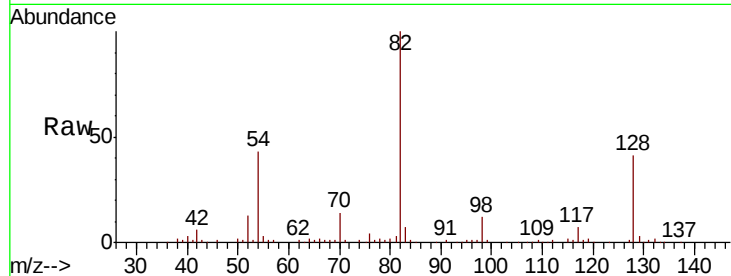




#23
 Nitrobenzene-d5
 Concen: 46.485 ng
 RT: 7.29 min Scan# 885
 Delta R.T. -0.01 min
 Lab File: BF117580.D
 Acq: 29 Oct 2019 10:30

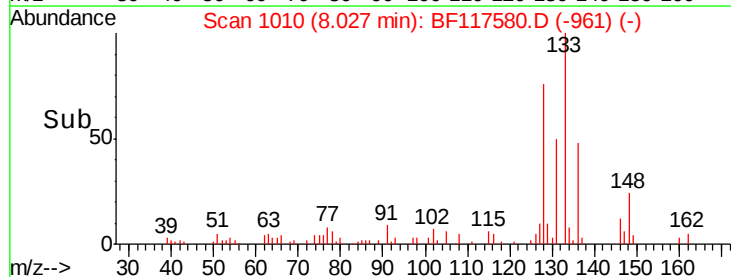
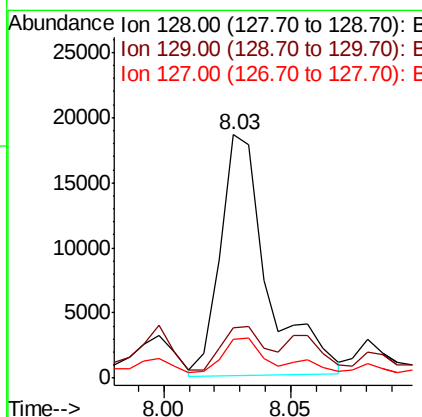
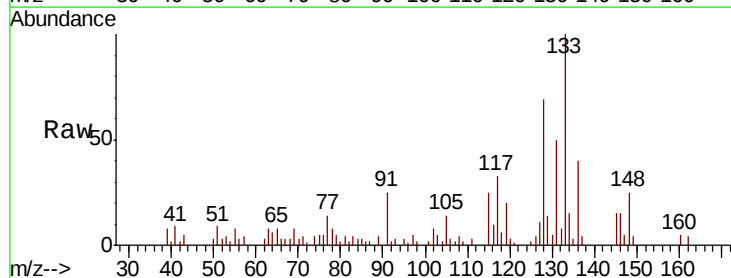
Instrument :
 BNA_F
 ClientSampled :

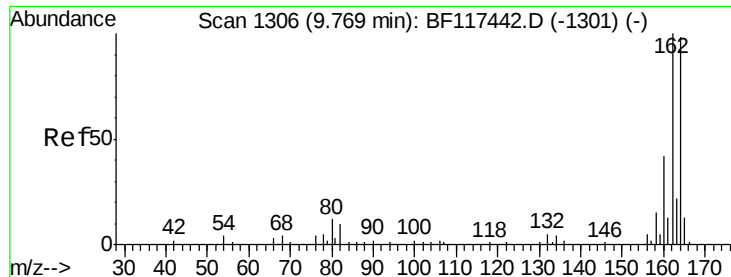
Tot Ion	82	Resp	195039
Ion Ratio	Lower	Upper	
82	100		
128	40.7	32.2	48.2
54	43.1	34.2	51.2



#31
 Naphthalene
 Concen: 2.352 ng
 RT: 8.03 min Scan# 1010
 Delta R.T. -0.01 min
 Lab File: BF117580.D
 Acq: 29 Oct 2019 10:30

Tgt Ion	128	Resp	24144
Ion Ratio	Lower	Upper	
128	100		
129	20.7	9.0	13.4#
127	16.1	10.2	15.2#

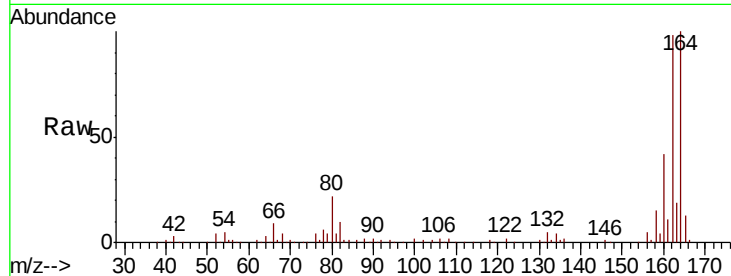




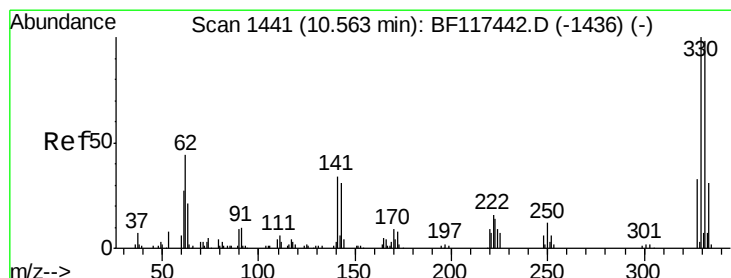
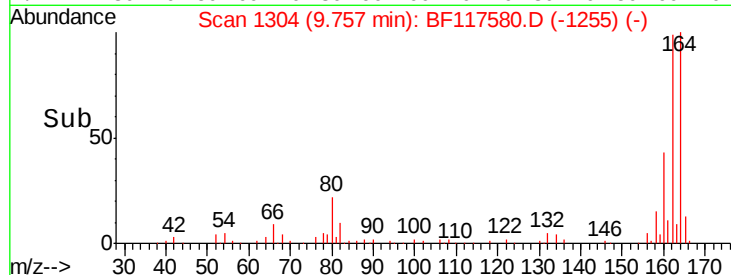
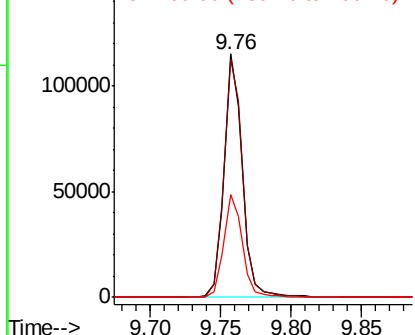
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF117580.D
Acq: 29 Oct 2019 10:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 103347
Ion Ratio Lower Upper
164 100
162 97.9 81.8 122.6
160 42.3 34.4 51.6

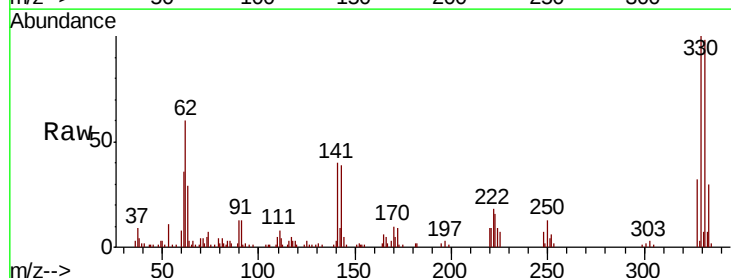


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

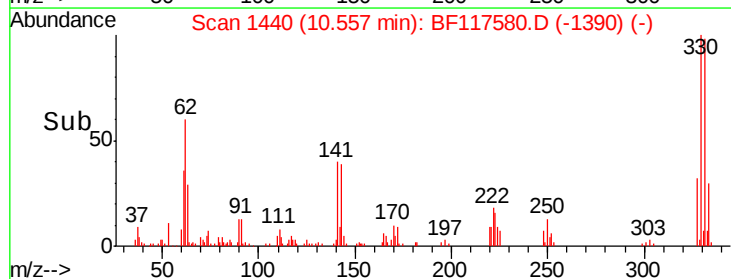
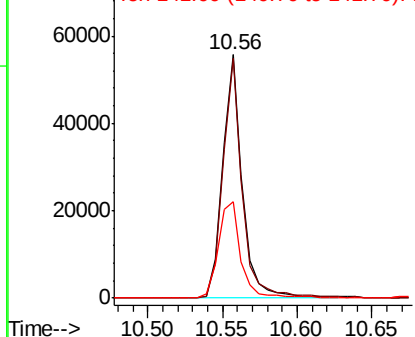


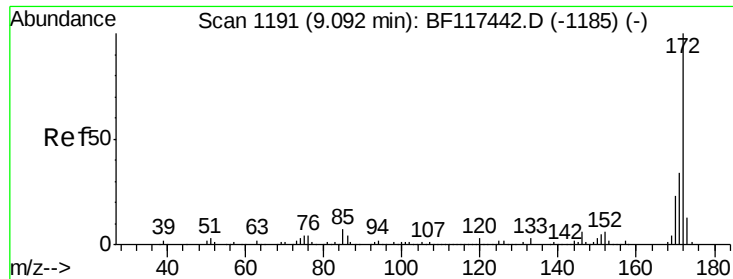
#42
2,4,6-Tribromophenol
Concen: 58.357 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BF117580.D
Acq: 29 Oct 2019 10:30

Tgt Ion:330 Resp: 52184
Ion Ratio Lower Upper
330 100
332 96.5 78.5 117.7
141 44.7 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

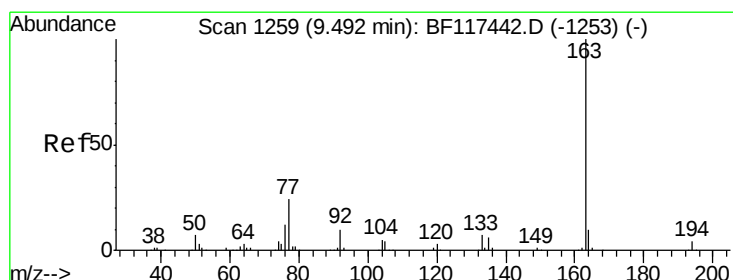
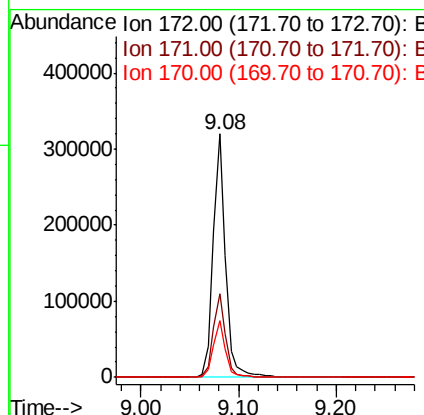
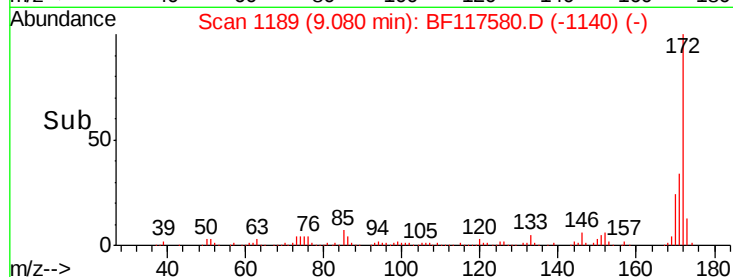
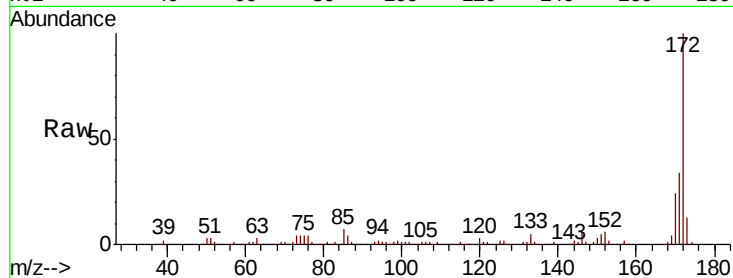




#45
2-Fluorobiphenyl
Concen: 38.546 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF117580.D
Acq: 29 Oct 2019 10:30

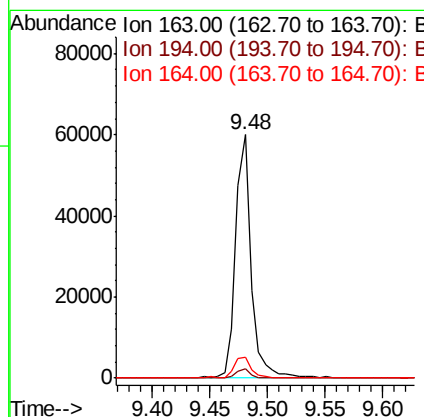
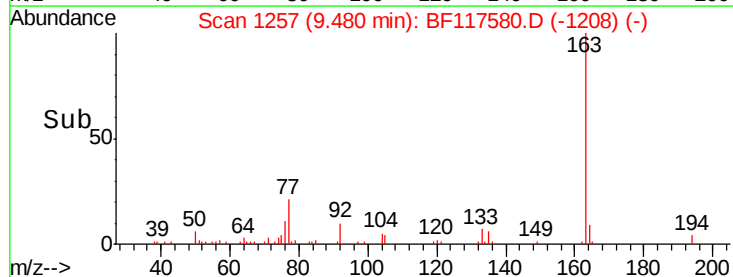
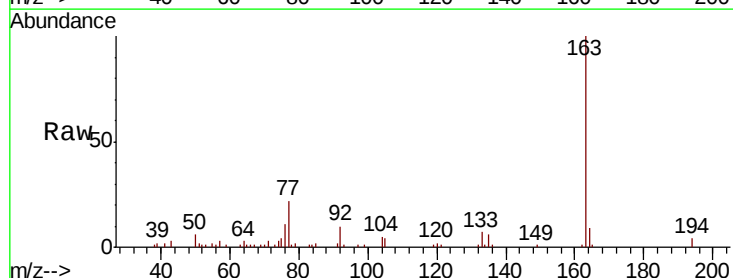
Instrument :
BNA_F
ClientSampleId :

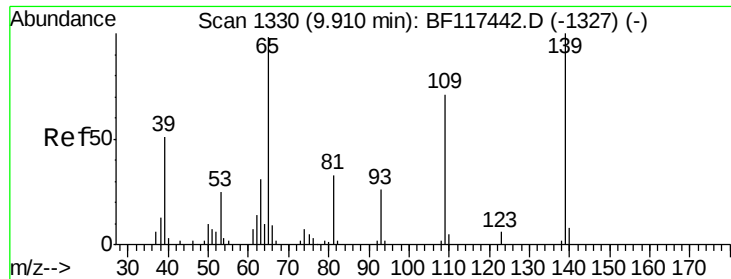
Tot Ion:172 Resp: 282726
Ion Ratio Lower Upper
172 100
171 34.2 27.5 41.3
170 23.6 18.6 27.8



#50
Dimethylphthalate
Concen: 7.615 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117580.D
Acq: 29 Oct 2019 10:30

Tgt Ion:163 Resp: 56107
Ion Ratio Lower Upper
163 100
194 3.9 2.9 4.3
164 8.8 8.2 12.2

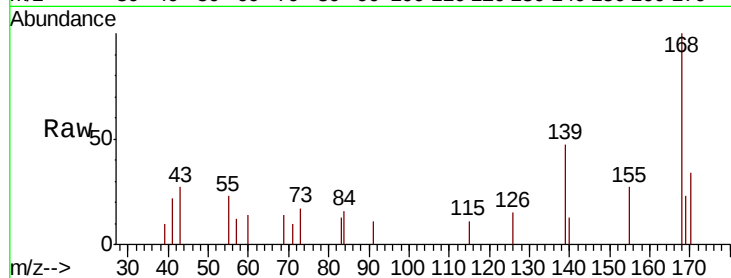




#56
4-Nitrophenol
Concen: 5.658 ng
RT: 9.97 min Scan# 1340
Delta R.T. 0.06 min
Lab File: BF117580.D
Acq: 29 Oct 2019 10:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	51.4	91.4#
65	0.0	79.4	119.4#

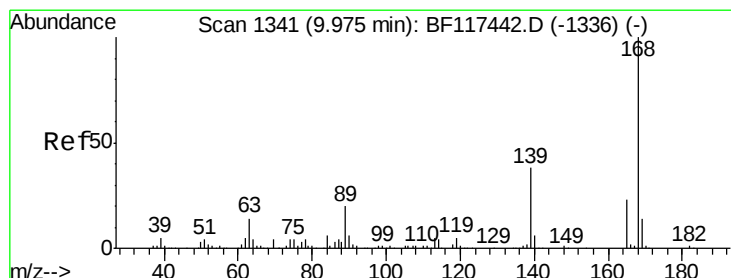
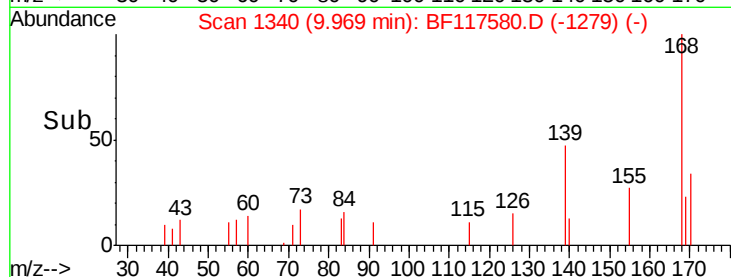
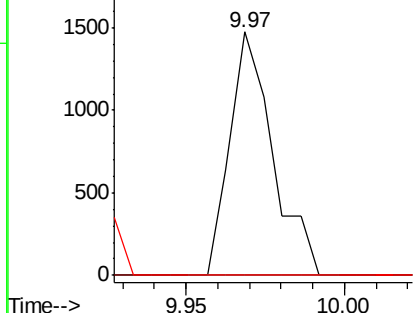


Abundance

Ion 139.00 (138.70 to 139.70): E

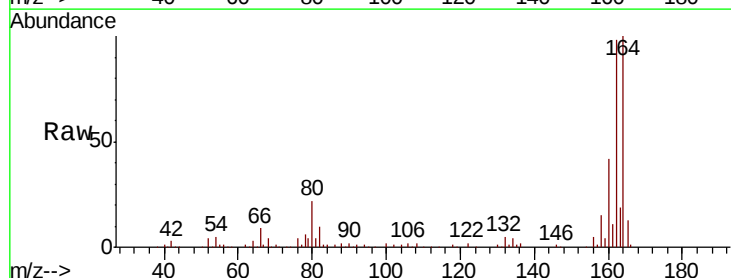
Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#57
2,4-Dinitrotoluene
Concen: 6.647 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.22 min
Lab File: BF117580.D
Acq: 29 Oct 2019 10:30

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.5	51.4	77.0#
89	2.8	69.9	104.9#
182	0.0	1.9	2.9#



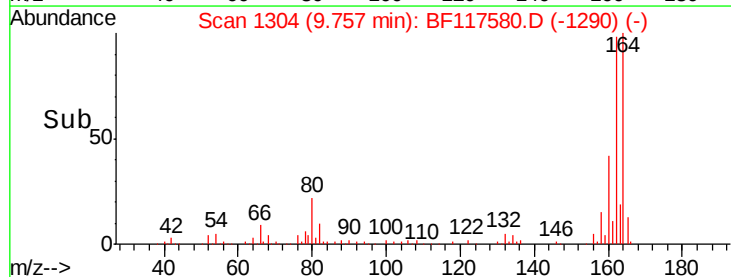
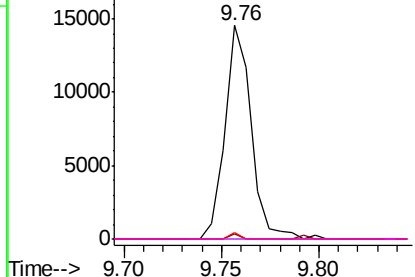
Abundance

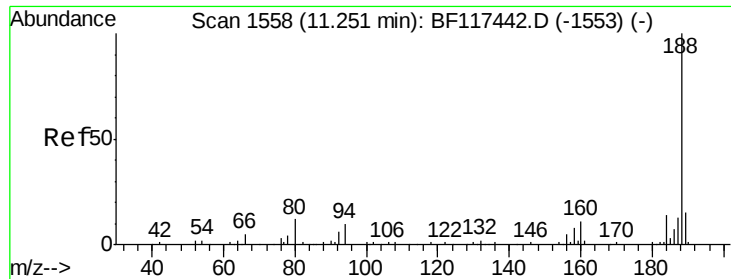
Ion 165.00 (164.70 to 165.70): E

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

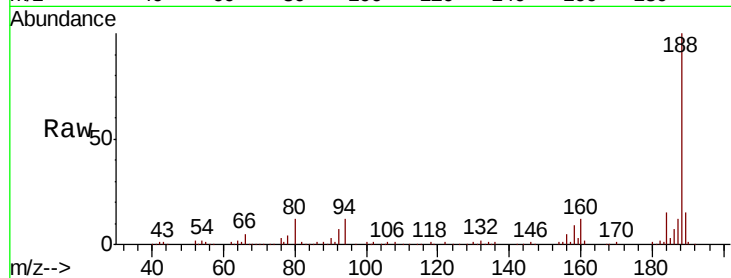




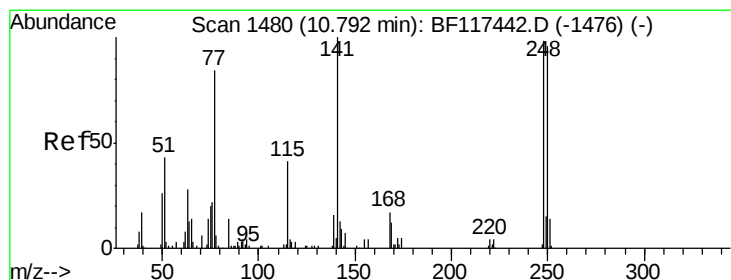
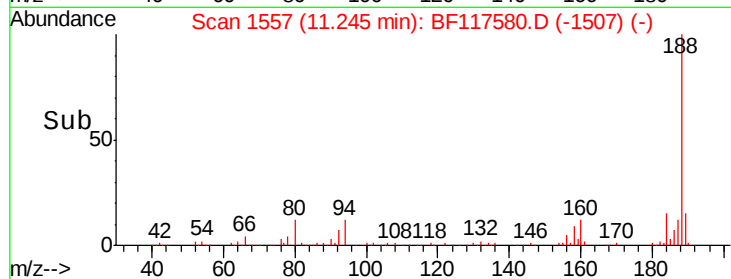
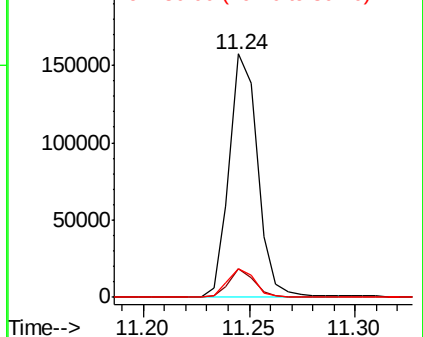
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: BF117580.D
 Acq: 29 Oct 2019 10:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 147377
 Ion Ratio Lower Upper
 188 100
 94 11.5 8.0 12.0
 80 11.8 9.5 14.3

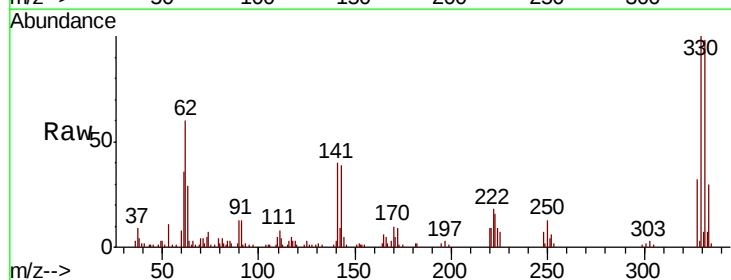


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

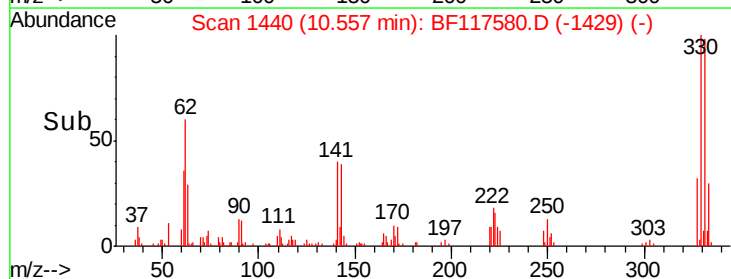
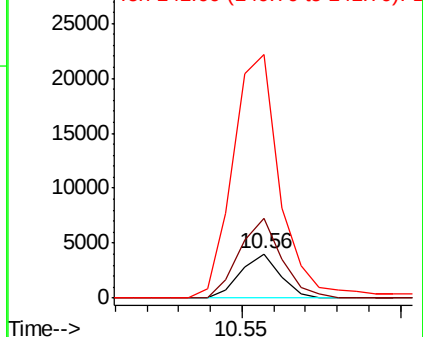


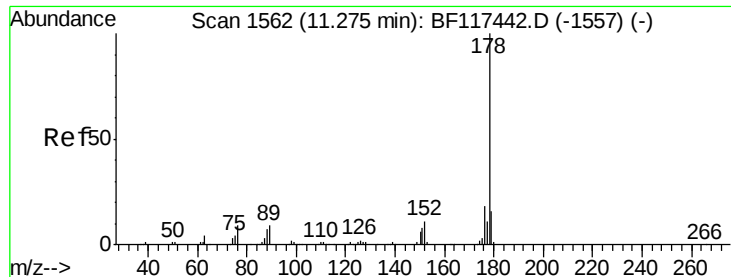
#67
 4-Bromophenyl-phenylether
 Concen: 2.178 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.24 min
 Lab File: BF117580.D
 Acq: 29 Oct 2019 10:30

Tgt Ion:248 Resp: 3457
 Ion Ratio Lower Upper
 248 100
 250 180.0 78.0 117.0#
 141 553.6 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

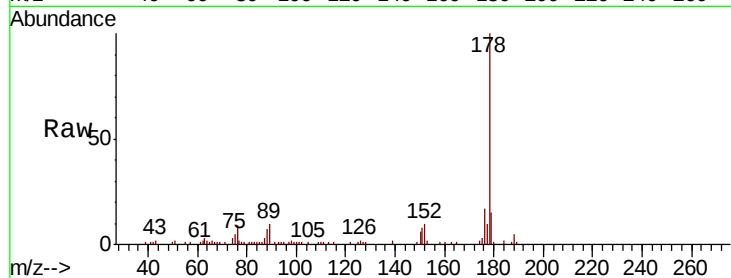




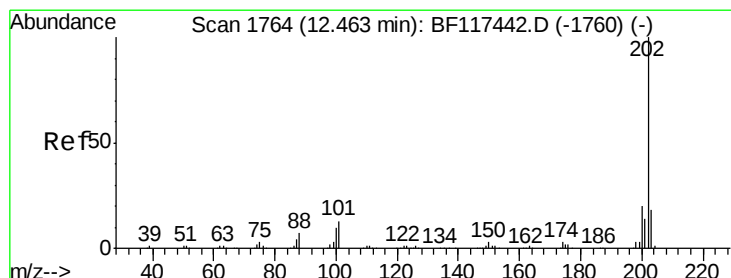
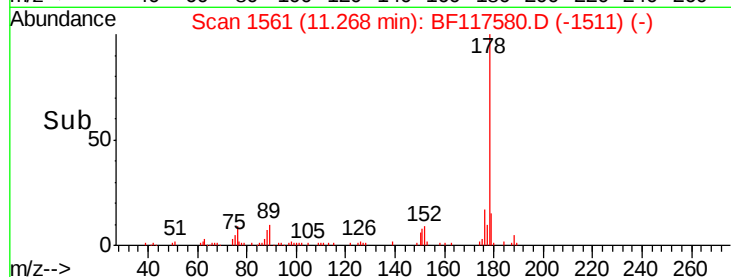
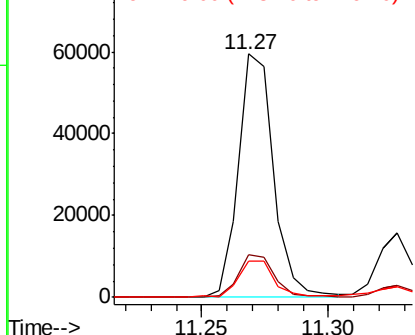
#71
Phenanthrene
Concen: 6.716 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF117580.D
Acq: 29 Oct 2019 10:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 57473
Ion Ratio Lower Upper
178 100
176 17.3 14.6 22.0
179 14.9 12.6 19.0

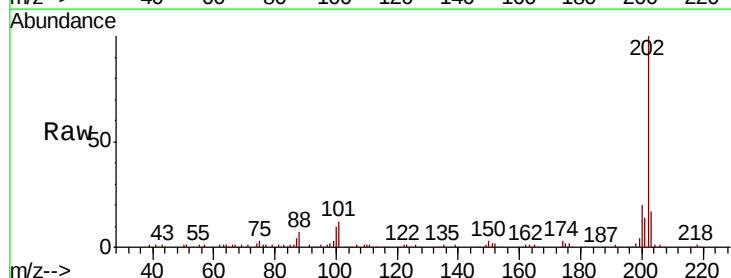


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

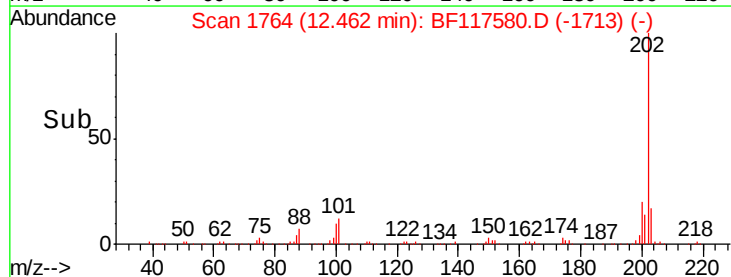
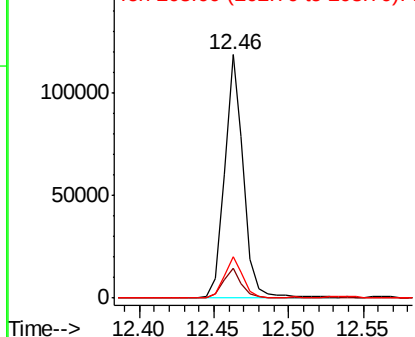


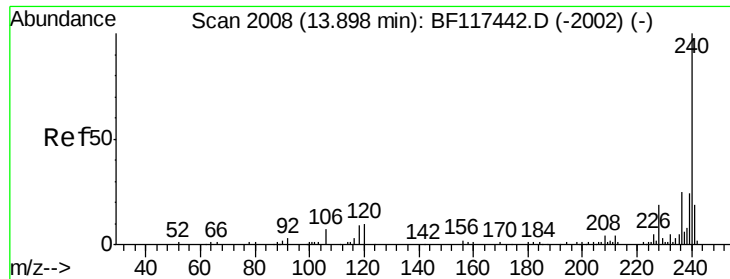
#75
Fluoranthene
Concen: 12.418 ng
RT: 12.46 min Scan# 1764
Delta R.T. -0.00 min
Lab File: BF117580.D
Acq: 29 Oct 2019 10:30

Tgt Ion:202 Resp: 106384
Ion Ratio Lower Upper
202 100
101 12.5 0.0 32.7
203 17.1 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

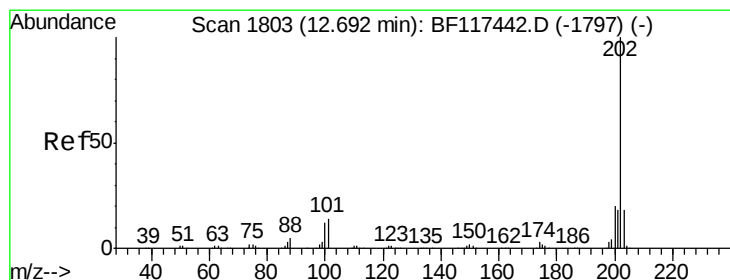
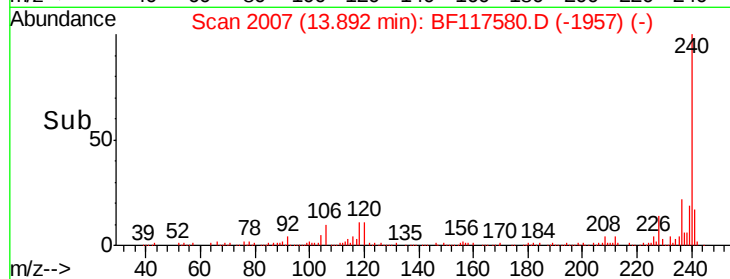
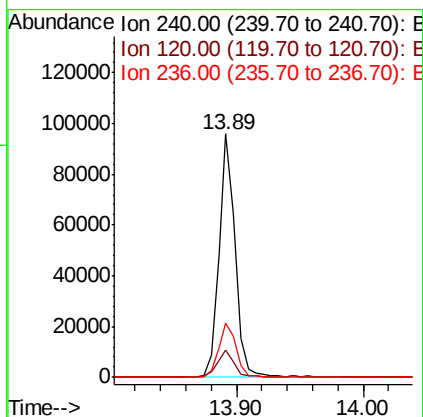
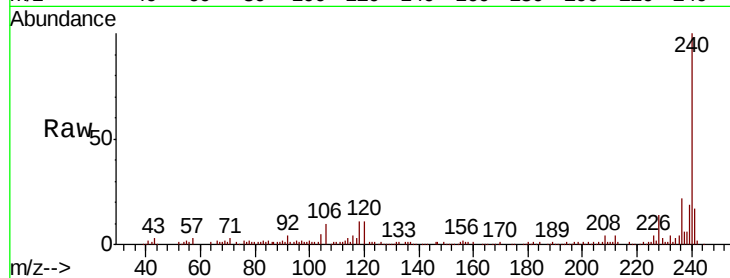




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.89 min Scan# 2007
 Delta R.T. -0.01 min
 Lab File: BF117580.D
 Acq: 29 Oct 2019 10:30

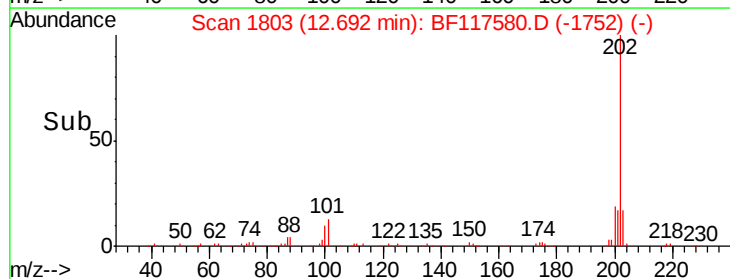
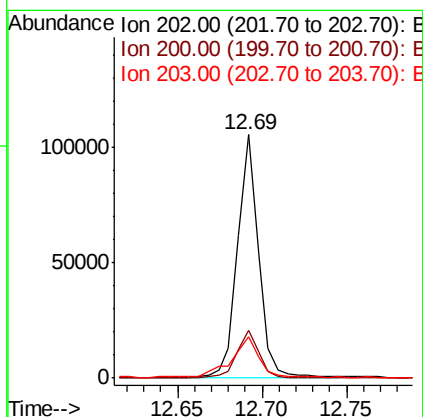
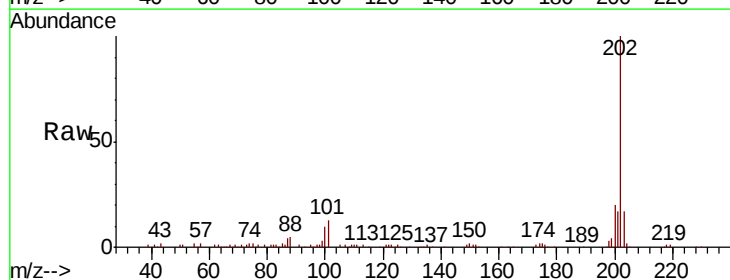
Instrument :
 BNA_F
 ClientSampleId :

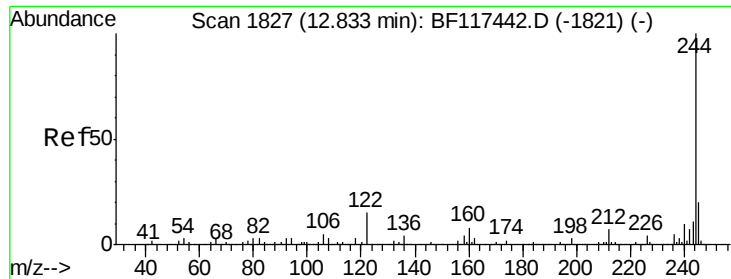
Tot Ion:240 Resp: 86035
 Ion Ratio Lower Upper
 240 100
 120 11.4 8.4 12.6
 236 22.3 20.0 30.0



#78
 Pyrene
 Concen: 12.500 ng
 RT: 12.69 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: BF117580.D
 Acq: 29 Oct 2019 10:30

Tgt Ion:202 Resp: 92373
 Ion Ratio Lower Upper
 202 100
 200 19.6 16.2 24.2
 203 17.1 14.0 21.0





#79

Terphenyl-d14

Concen: 33.715 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF117580.D

Acq: 29 Oct 2019 10:30

Instrument :

BNA_F

ClientSampleId :

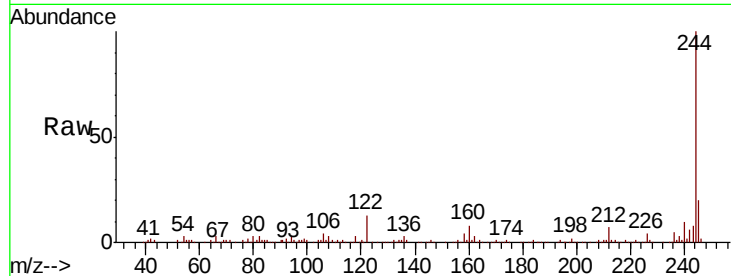
Tot Ion:244 Resp: 177836

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.6

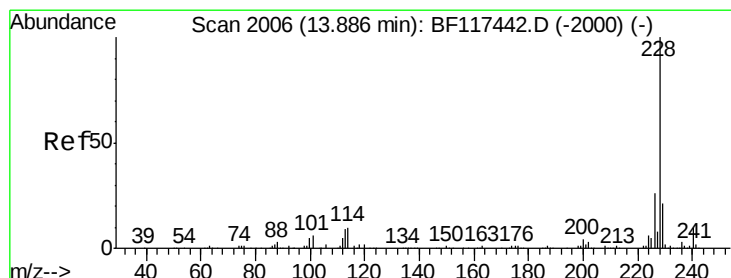
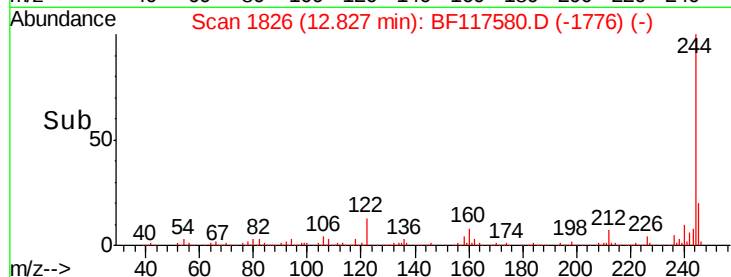
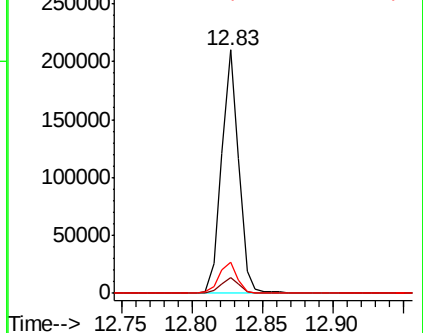
122 12.9 11.8 17.8



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: 7.580 ng

RT: 13.88 min Scan# 2005

Delta R.T. -0.01 min

Lab File: BF117580.D

Acq: 29 Oct 2019 10:30

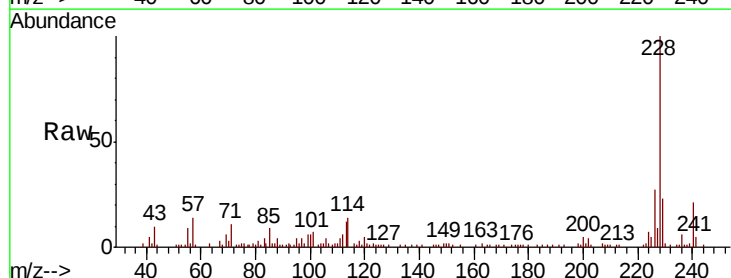
Tgt Ion:228 Resp: 43989

Ion Ratio Lower Upper

228 100

226 26.6 21.0 31.4

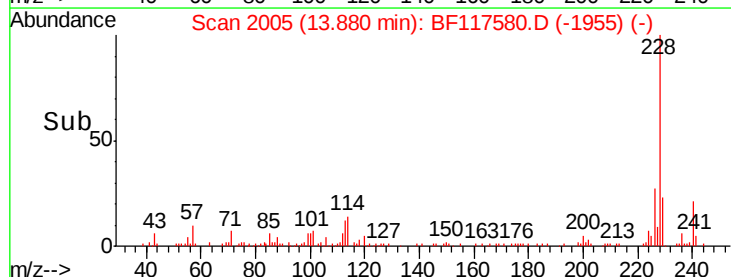
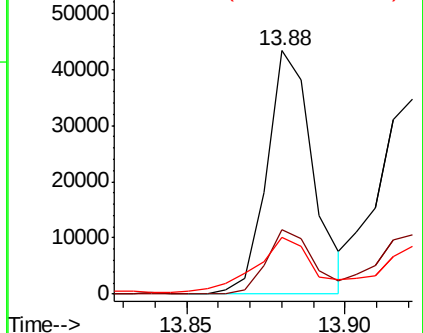
229 23.1 16.4 24.6

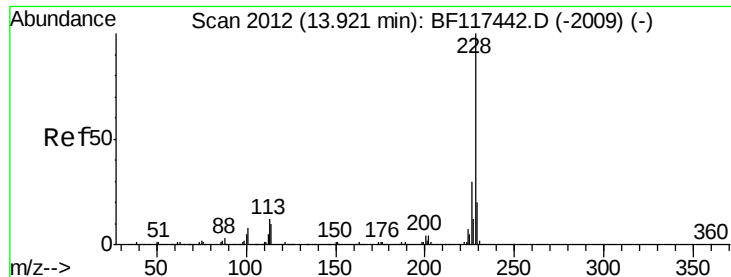


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 7.734 ng

RT: 13.88 min Scan# 2005

Delta R.T. -0.04 min

Lab File: BF117580.D

Acq: 29 Oct 2019 10:30

Instrument :

BNA_F

ClientSampleId :

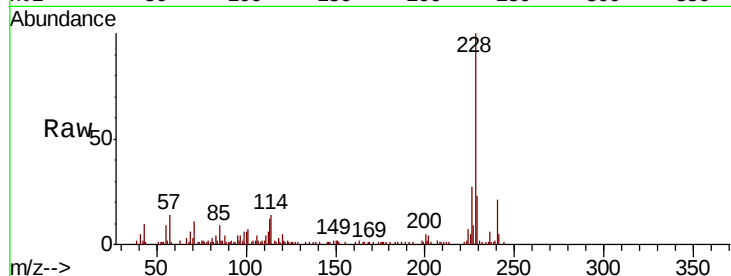
Tot Ion:228 Resp: 43989

Ion Ratio Lower Upper

228 100

226 26.6 23.9 35.9

229 23.1 15.8 23.6

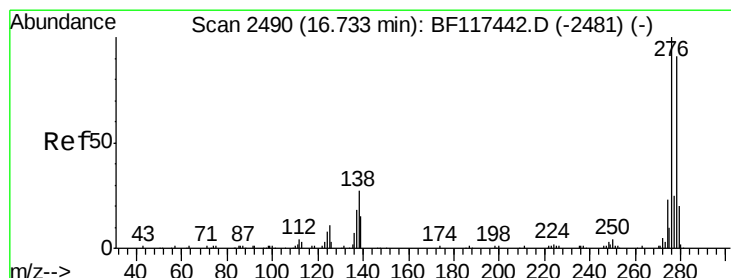
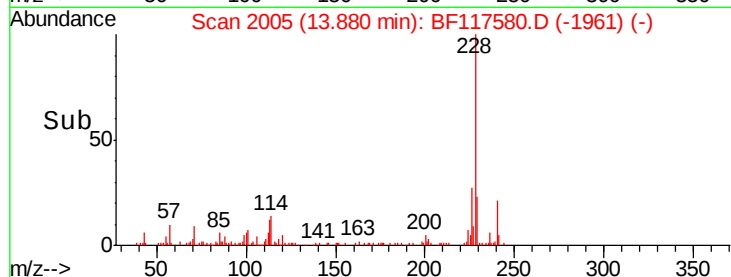
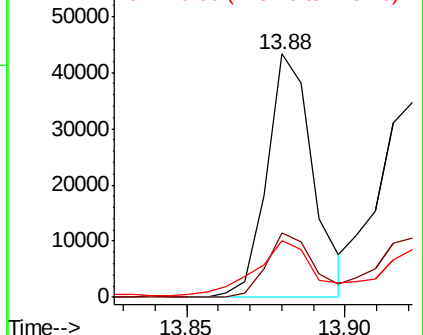


Abundance

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



#86

Indeno(1,2,3-cd)pyrene

Concen: 7.715 ng

RT: 16.74 min Scan# 2492

Delta R.T. 0.01 min

Lab File: BF117580.D

Acq: 29 Oct 2019 10:30

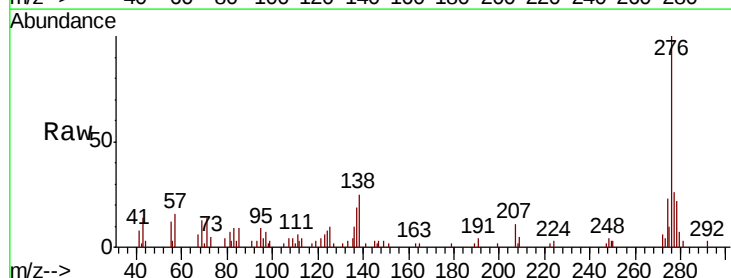
Tgt Ion:276 Resp: 32761

Ion Ratio Lower Upper

276 100

138 28.7 21.8 32.8

277 24.3 20.0 30.0

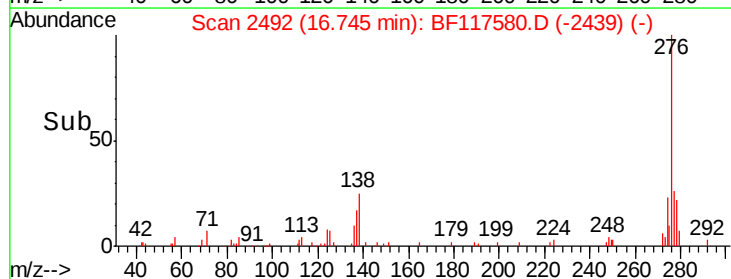
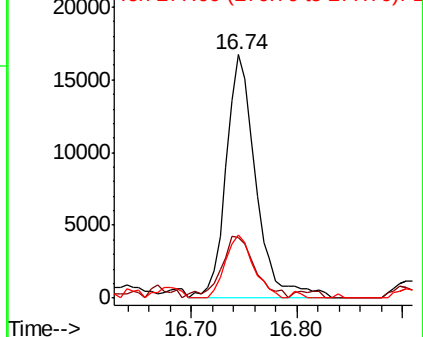


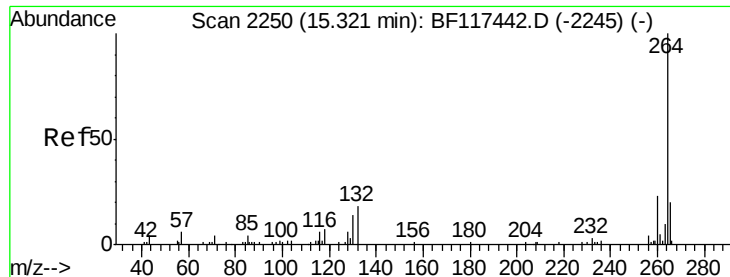
Abundance

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

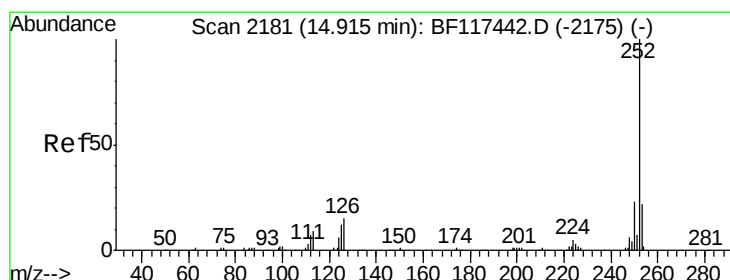
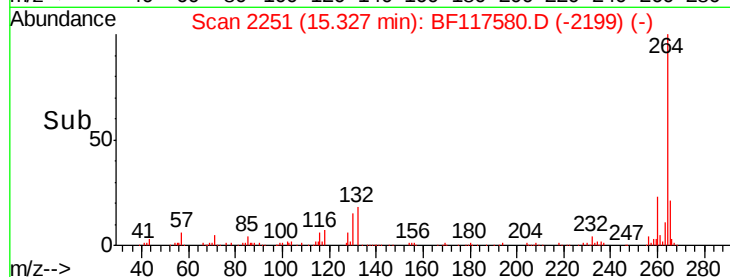
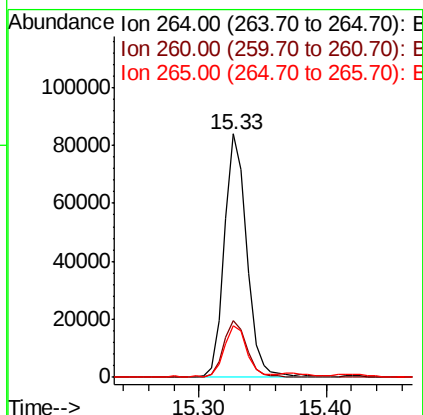
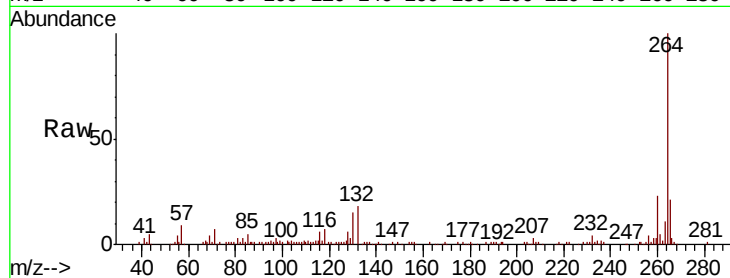




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2251
Delta R.T. 0.01 min
Lab File: BF117580.D
Acq: 29 Oct 2019 10:30

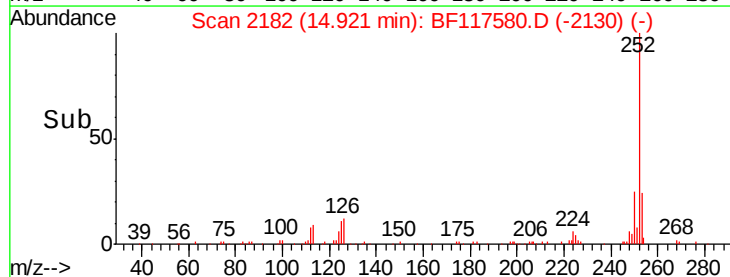
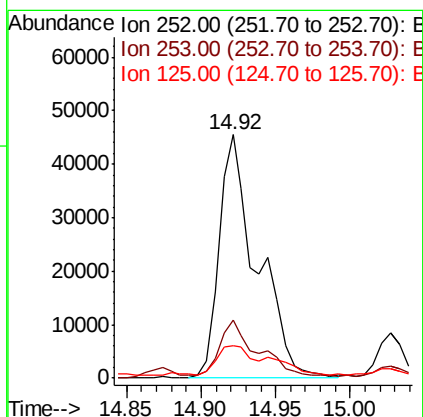
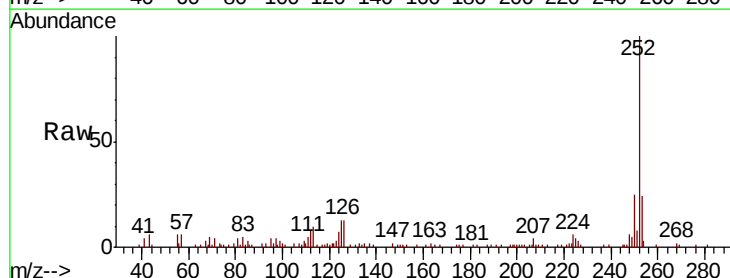
Instrument :
BNA_F
ClientSampled :

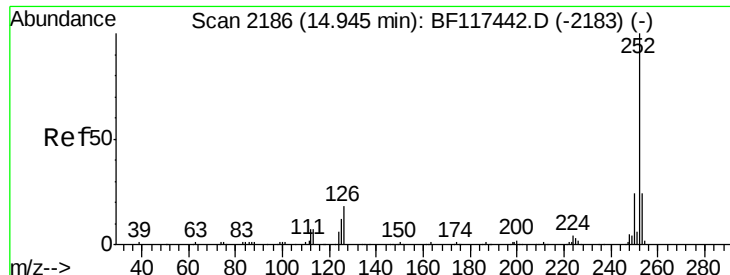
Tot Ion:264 Resp: 103298
Ion Ratio Lower Upper
264 100
260 23.3 18.4 27.6
265 21.4 16.1 24.1



#88
Benzo(b)fluoranthene
Concen: 13.226 ng
RT: 14.92 min Scan# 2182
Delta R.T. 0.01 min
Lab File: BF117580.D
Acq: 29 Oct 2019 10:30

Tgt Ion:252 Resp: 80677
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.6
125 13.3 9.9 14.9





#89

Benzo(k)fluoranthene

Concen: 12.904 ng

RT: 14.92 min Scan# 2182

Delta R.T. -0.02 min

Lab File: BF117580.D

Acq: 29 Oct 2019 10:30

Instrument :

BNA_F

ClientSampleId :

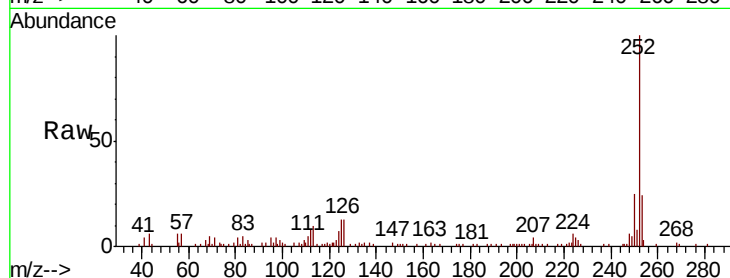
Tot Ion:252 Resp: 80677

Ion Ratio Lower Upper

252 100

253 23.9 18.0 27.0

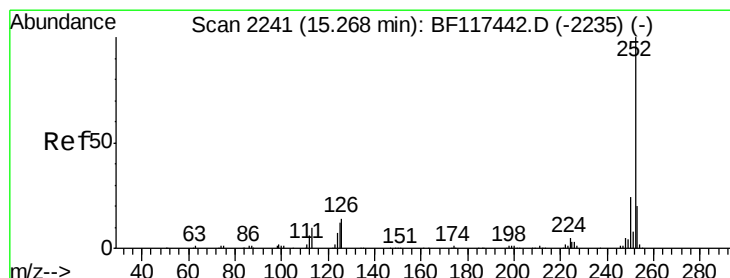
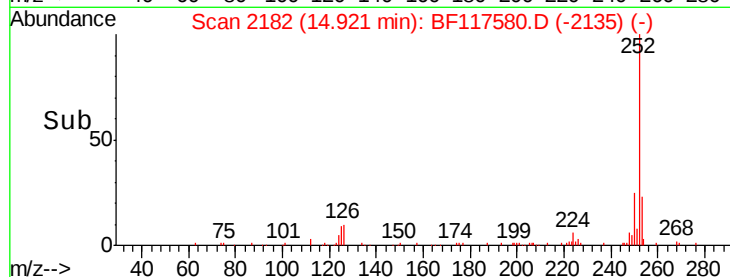
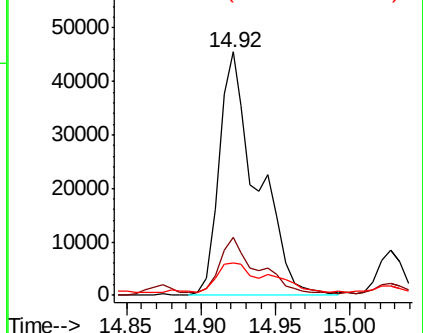
125 13.3 8.9 13.3



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: 8.677 ng

RT: 15.27 min Scan# 2242

Delta R.T. 0.01 min

Lab File: BF117580.D

Acq: 29 Oct 2019 10:30

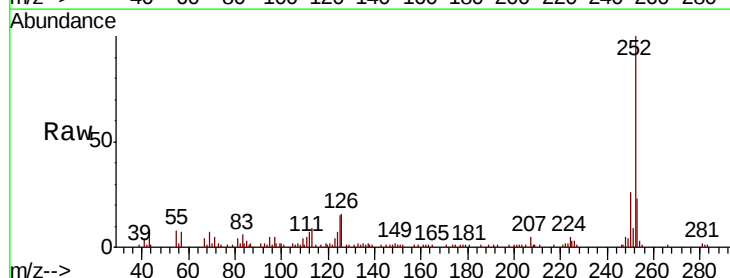
Tgt Ion:252 Resp: 48125

Ion Ratio Lower Upper

252 100

253 23.2 16.3 24.5

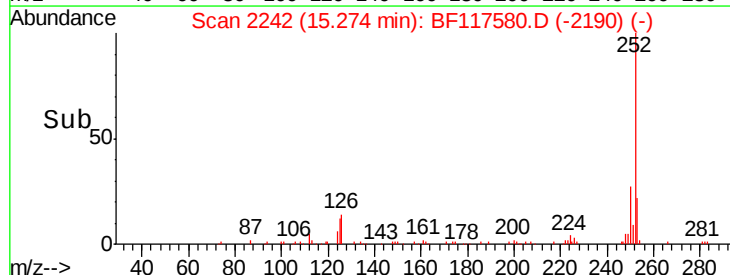
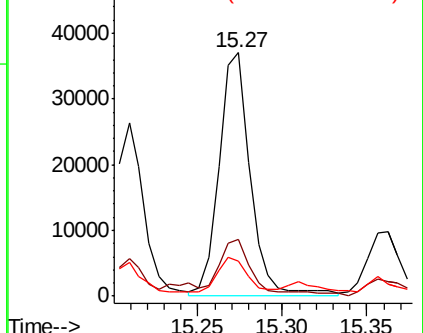
125 14.6 9.2 13.8#

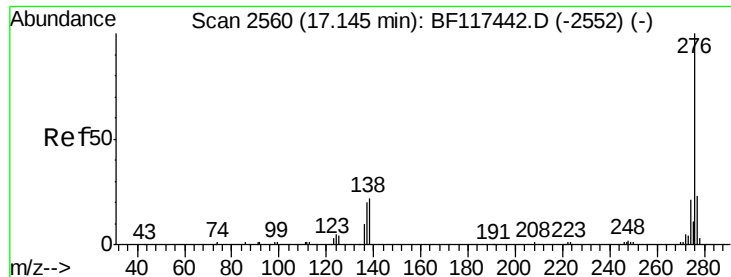


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Benzo(a,h,i)perylene

Concen: 6.493 ng

RT: 17.18 min Scan# 2566

Delta R.T. 0.04 min

Lab File: BF117580.D

Acq: 29 Oct 2019 10:30

Instrument :

BNA_F

ClientSampleId :

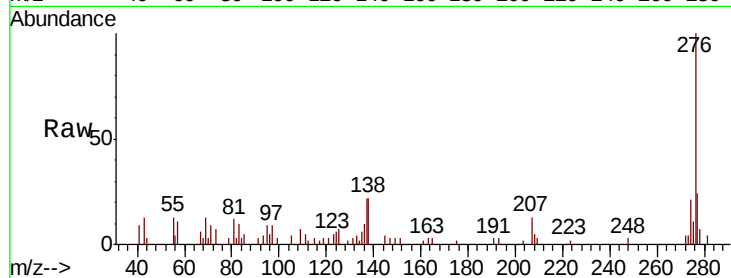
Tot Ion: 276 Resp: 29462

Ion Ratio Lower Upper

276 100

277 24.4 18.4 27.6

138 21.5 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

