

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102119\
 Data File : BF117470.D
 Acq On : 22 Oct 2019 1:35
 Operator : JU
 Sample : K5147-05 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 22 03:18:33 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

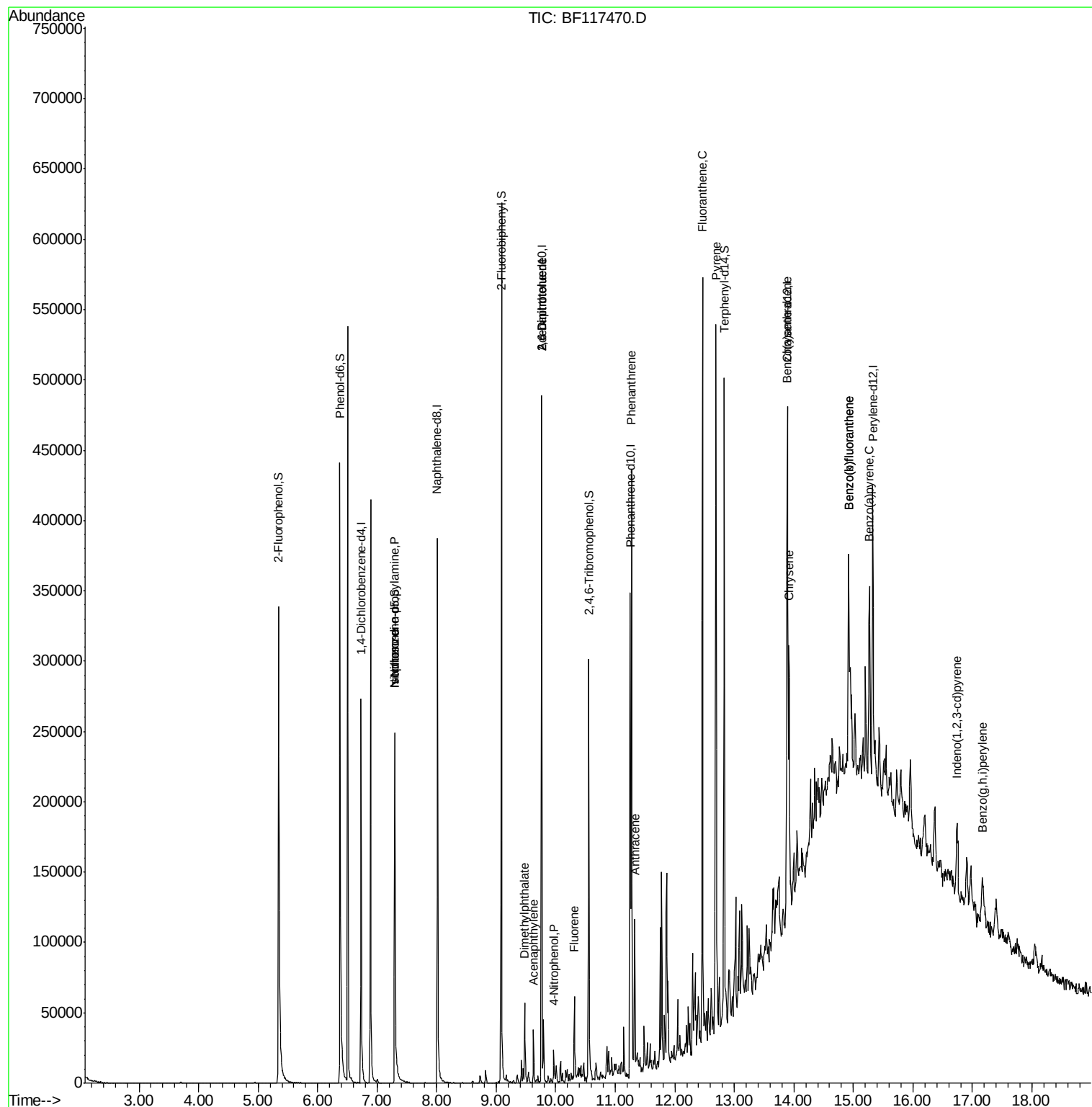
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	46152	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	185367	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	92432	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	123762	20.00	ng	0.00
76) Chrysene-d12	13.89	240	85402	20.00	ng	0.00
87) Perylene-d12	15.33	264	82541	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	124192	40.03	ng	0.00
7) Phenol-d6	6.37	99	174903	41.98	ng	0.00
23) Nitrobenzene-d5	7.29	82	108636	28.93	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	29066	36.34	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	197863	30.16	ng	0.00
79) Terphenyl-d14	12.83	244	132507	25.31	ng	0.00
Target Compounds						
9) Benzaldehyde	6.50	77	3467	Below Cal		Qvalue 84
19) n-Nitroso-di-n-propylamine	7.29	70	13927	5.473 ng	#	74
25) Isophorone	7.29	82	108646	16.726 ng	#	65
49) Acenaphthylene	9.63	152	17081	2.016 ng		97
50) Dimethylphthalate	9.48	163	21268	3.228 ng	#	98
51) 2,6-Dinitrotoluene	9.76	165	11704	8.512 ng	#	24
56) 4-Nitrophenol	9.97	139	3107	7.967 ng	#	6
57) 2,4-Dinitrotoluene	9.76	165	11704	6.402 ng	#	14
58) Fluorene	10.31	166	20432	3.280 ng		98
71) Phenanthrene	11.27	178	161247	22.438 ng		99
72) Anthracene	11.33	178	51256	6.951 ng		98
75) Fluoranthene	12.46	202	197263	27.420 ng		97
77) Benzidine	12.67	184	110	Below Cal	#	67
78) Pyrene	12.69	202	189486	25.831 ng		99
81) Benzo(a)anthracene	13.88	228	85185	14.787 ng		98
83) Chrysene	13.92	228	75691	13.407 ng		98
86) Indeno(1,2,3-cd)pyrene	16.74	276	25302	6.003 ng		95
88) Benzo(b)fluoranthene	14.92	252	106257	21.800 ng		92
89) Benzo(k)fluoranthene	14.92	252	106257	21.270 ng	#	91
90) Benzo(a)pyrene	15.27	252	62117	14.017 ng		97
92) Benzo(a,h,i)perylene	17.16	276	27040	7.458 ng	#	84

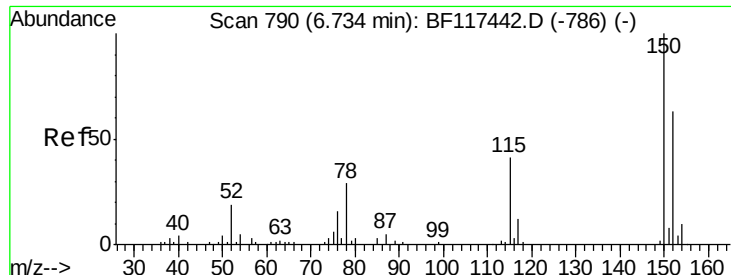
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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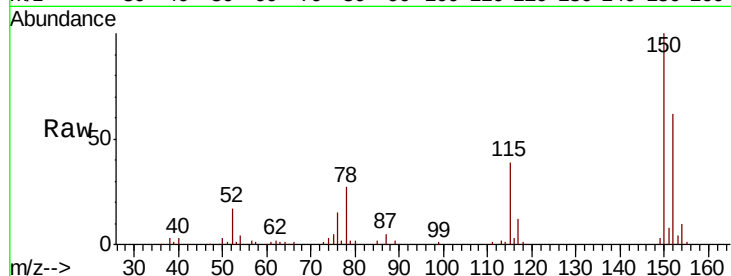


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. 0.00 min
Lab File: BF117470.D
Acq: 22 Oct 2019 1:35

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.8	126.8	190.2
115	63.7	51.6	77.4

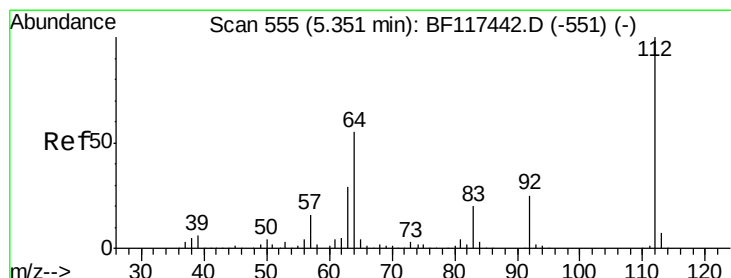
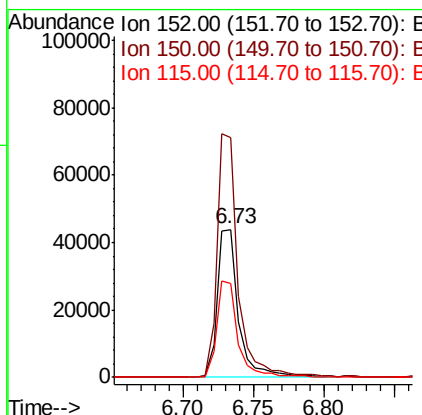
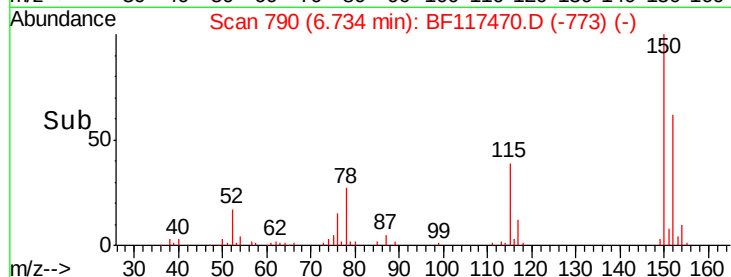


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

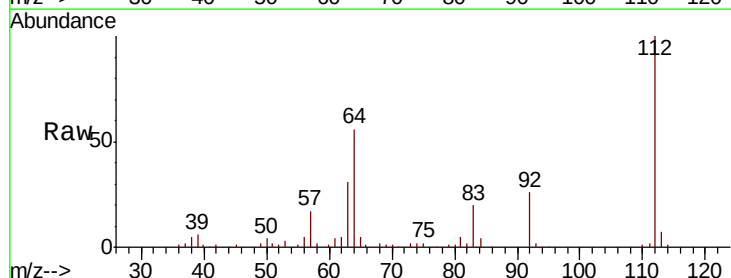
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 40.033 ng
RT: 5.35 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF117470.D
Acq: 22 Oct 2019 1:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.4	44.1	66.1
63	31.2	23.4	35.2

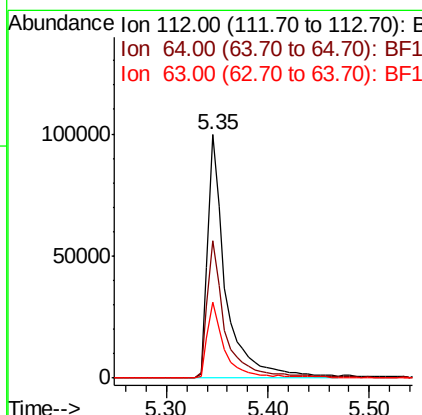
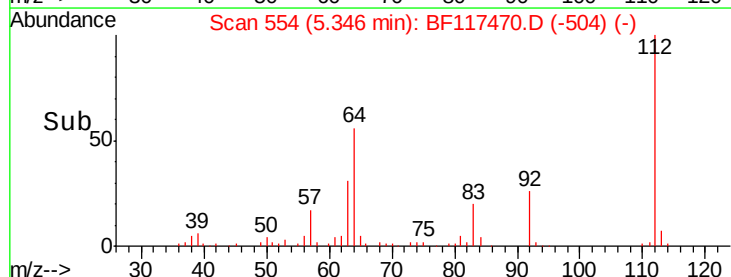


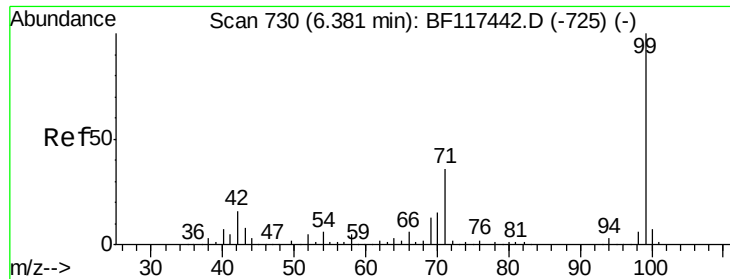
Abundance

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: 41.977 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF117470.D

Acq: 22 Oct 2019 1:35

Instrument :

BNA_F

ClientSampled :

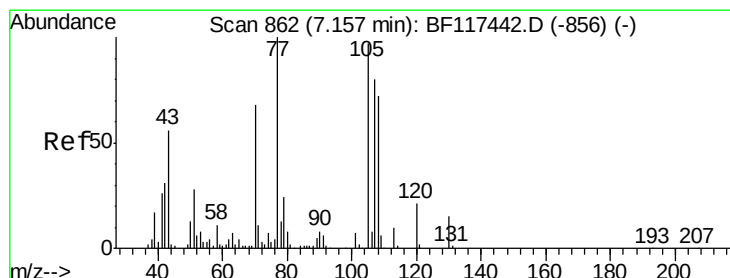
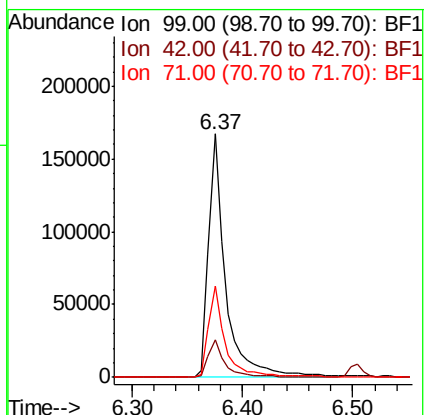
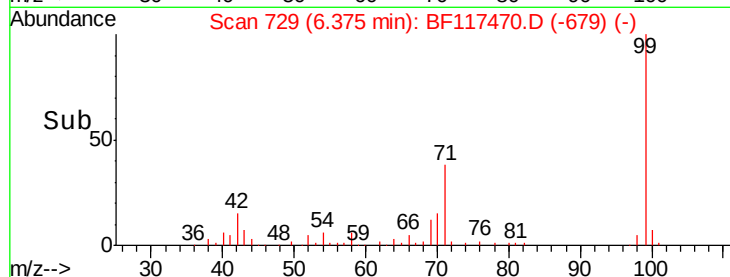
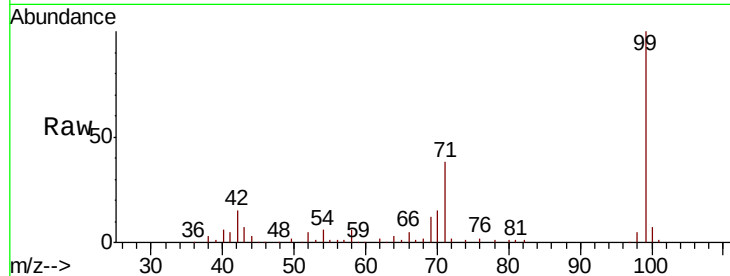
Tot Ion: 99 Resp: 174903

Ion Ratio Lower Upper

99 100

42 15.3 12.8 19.2

71 37.6 28.6 43.0



#19

n-Nitroso-di-n-propylamine

Concen: 5.473 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.14 min

Lab File: BF117470.D

Acq: 22 Oct 2019 1:35

Tgt Ion: 70 Resp: 13927

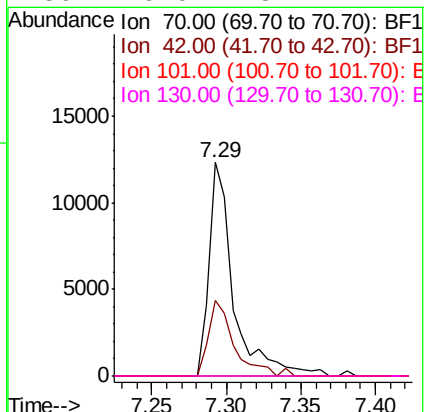
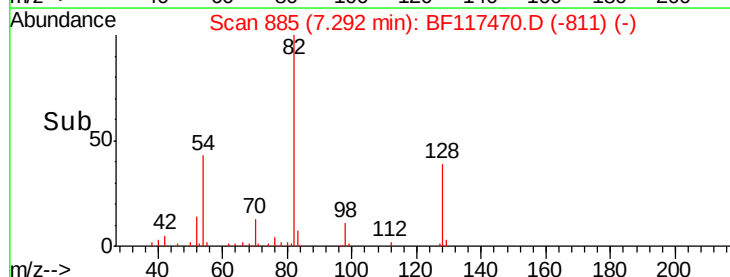
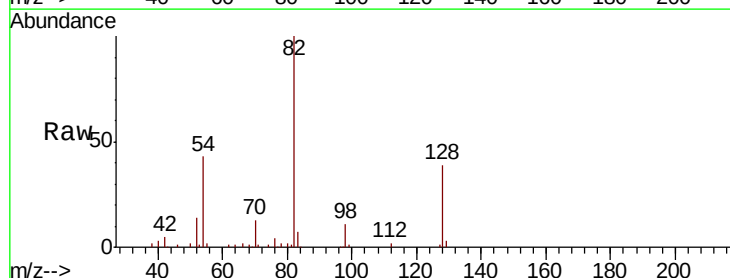
Ion Ratio Lower Upper

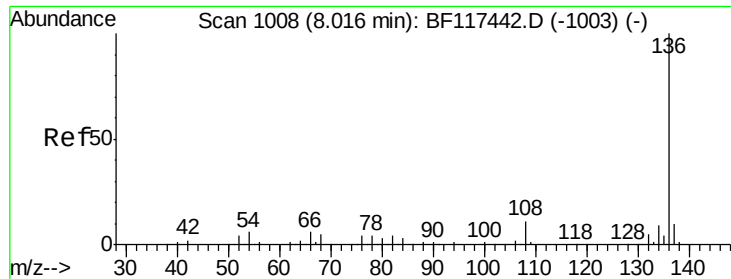
70 100

42 35.5 36.7 55.1#

101 0.0 8.3 12.5#

130 0.0 18.1 27.1#

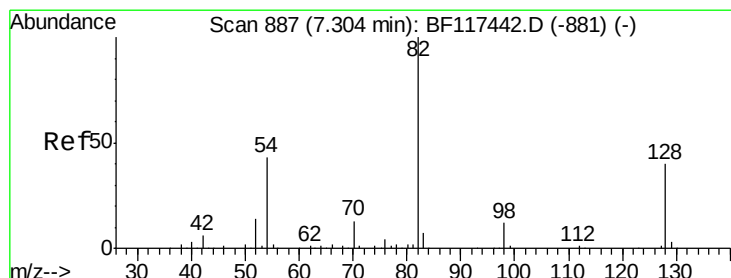
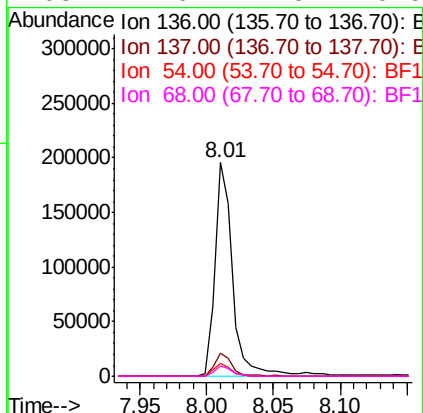
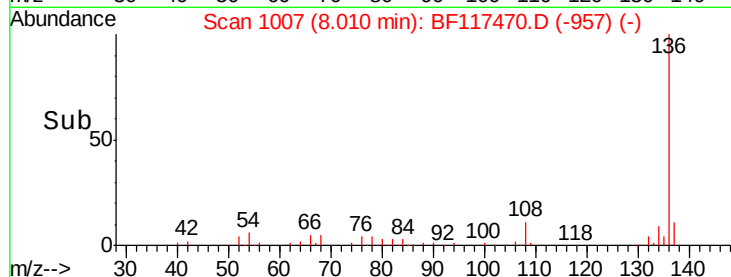
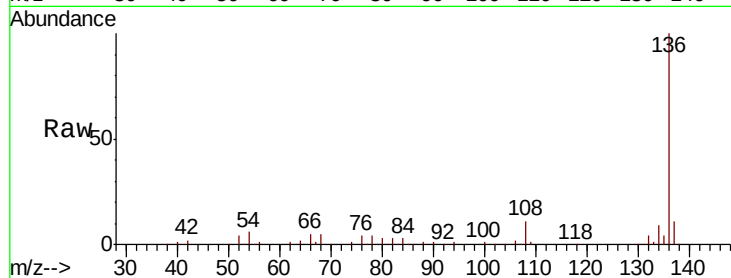




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117470.D
Acq: 22 Oct 2019 1:35

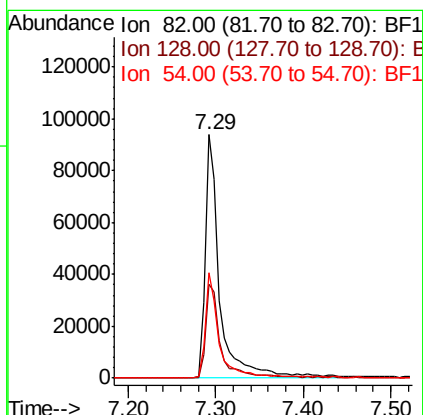
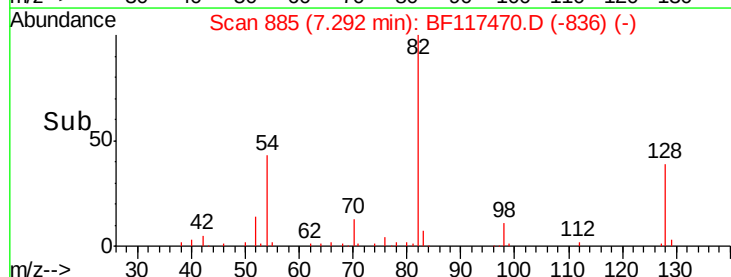
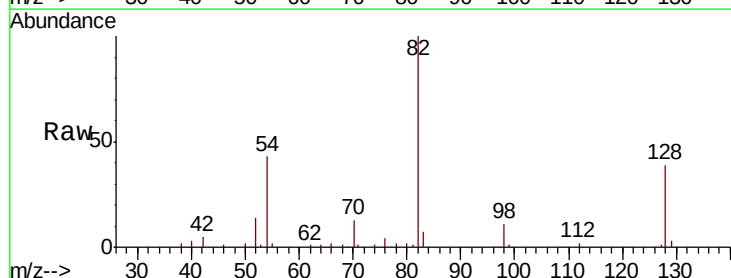
Instrument :
BNA_F
ClientSampleId :

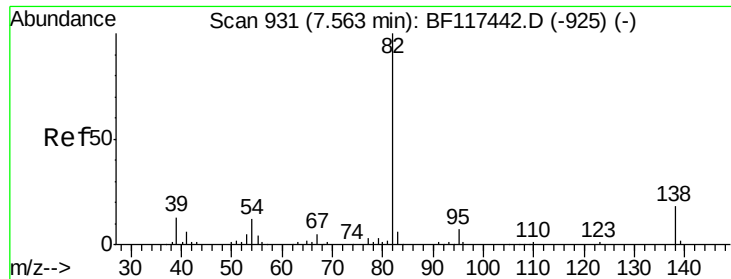
Tot Ion:136	Resp:	185367
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.2 12.4
54	6.2	4.5 6.7
68	4.6	4.3 6.5



#23
Nitrobenzene-d5
Concen: 28.932 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF117470.D
Acq: 22 Oct 2019 1:35

Tgt Ion: 82	Resp:	108636
Ion Ratio	Lower	Upper
82	100	
128	38.5	32.2 48.2
54	43.1	34.2 51.2





#25

Isophorone

Concen: 16.726 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.27 min

Lab File: BF117470.D

Acq: 22 Oct 2019 1:35

Instrument :

BNA_F

ClientSampleId :

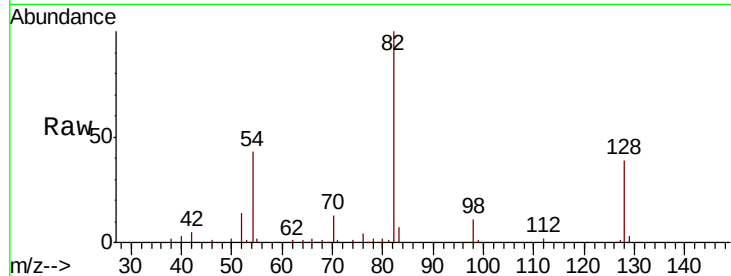
Tot Ion: 82 Resp: 108646

Ion Ratio Lower Upper

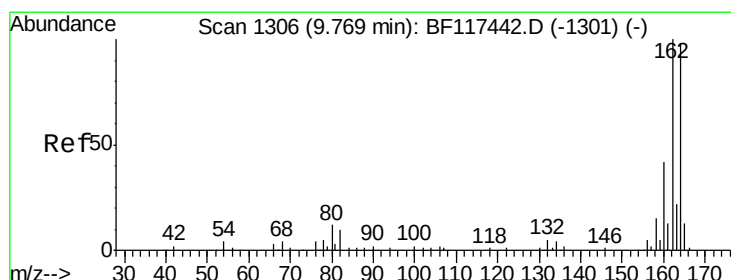
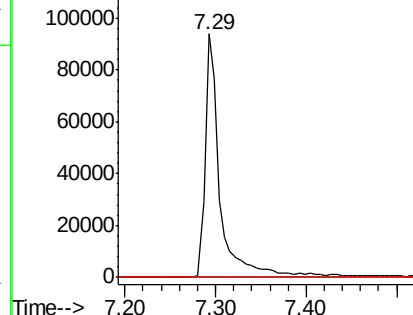
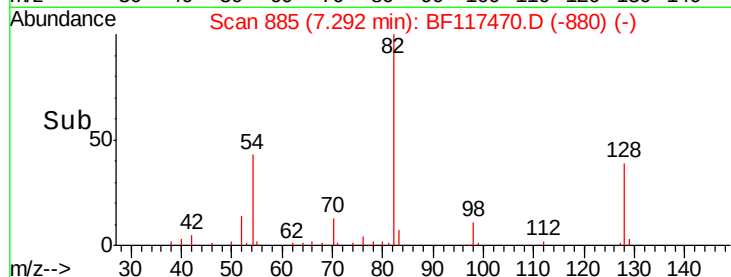
82 100

95 0.0 5.4 8.0#

138 0.0 14.2 21.2#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BF117470.D

Acq: 22 Oct 2019 1:35

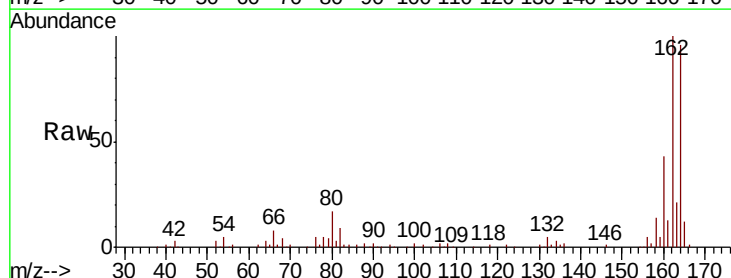
Tgt Ion: 164 Resp: 92432

Ion Ratio Lower Upper

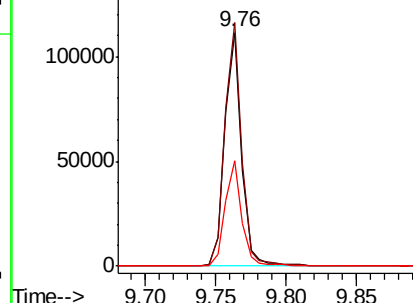
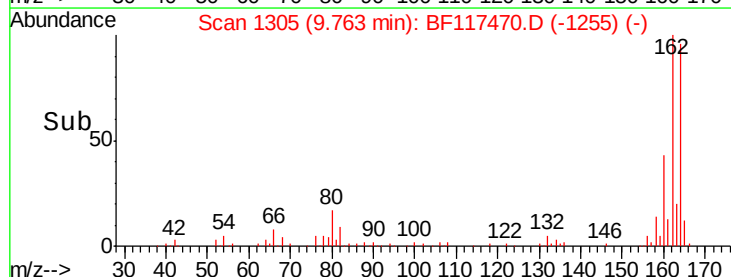
164 100

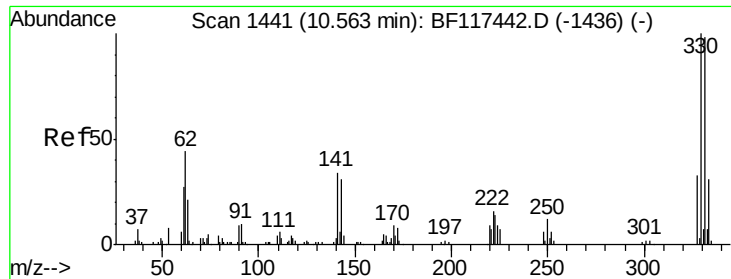
162 104.3 81.8 122.6

160 45.0 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

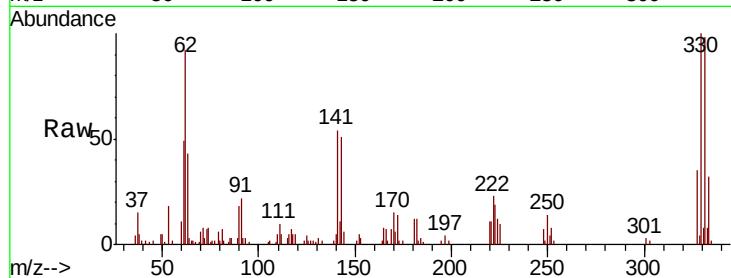




#42
 2,4,6-Tribromophenol
 Concen: 36.343 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF117470.D
 Acq: 22 Oct 2019 1:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	78.5	117.7
141	46.7	37.0	55.6

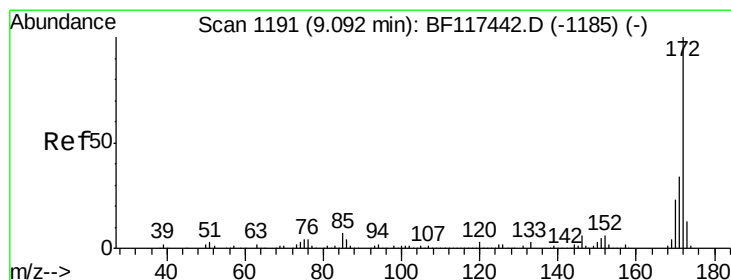
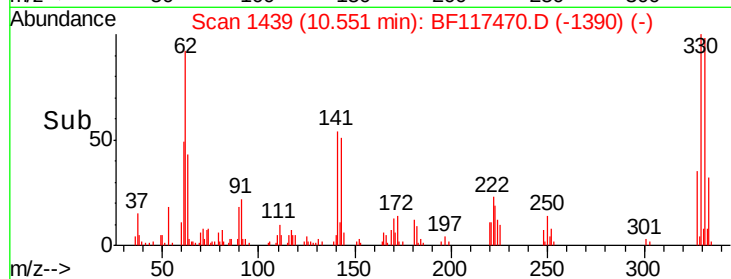
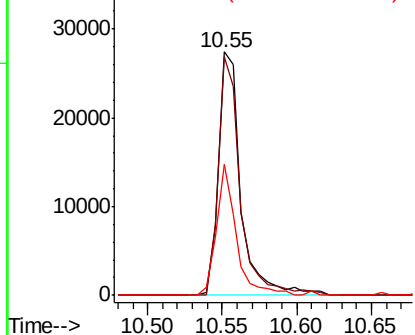


Abundance

Ion 329.80 (329.50 to 330.50): E

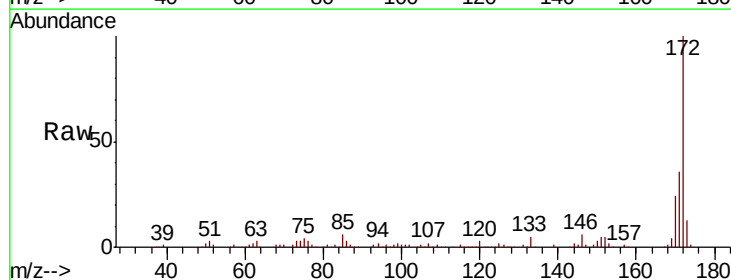
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 30.161 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF117470.D
 Acq: 22 Oct 2019 1:35

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	27.5	41.3
170	23.6	18.6	27.8

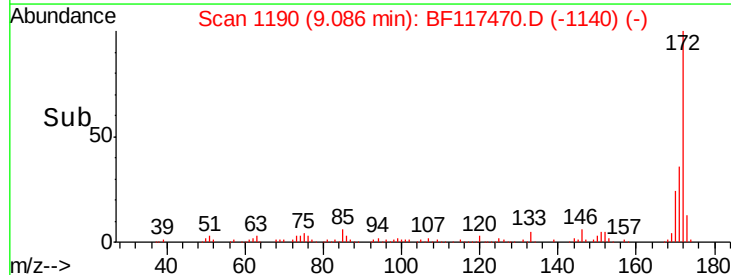
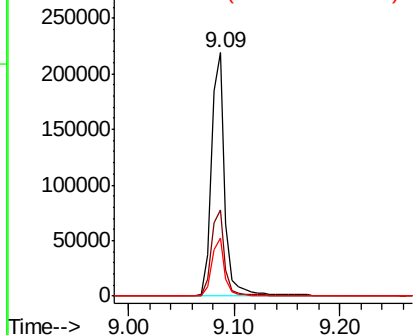


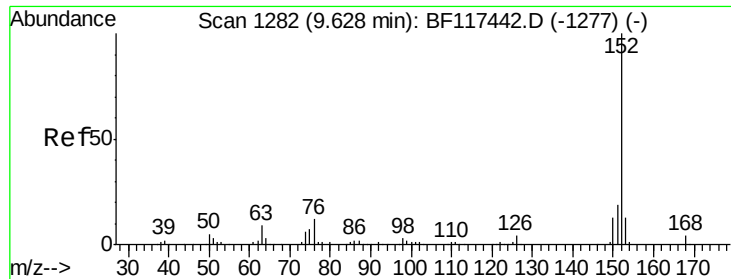
Abundance

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





#49

Acenaphthylene

Concen: 2.016 ng

RT: 9.63 min Scan# 1282

Delta R.T. 0.00 min

Lab File: BF117470.D

Acq: 22 Oct 2019 1:35

Instrument :

BNA_F

ClientSampleId :

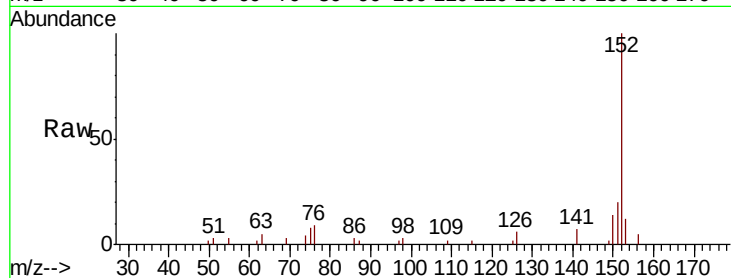
Tot Ion:152 Resp: 17081

Ion Ratio Lower Upper

152 100

151 20.2 15.4 23.0

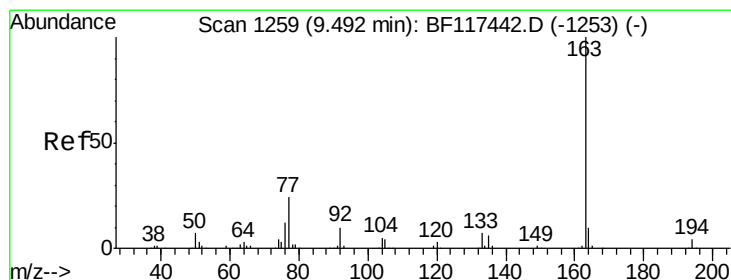
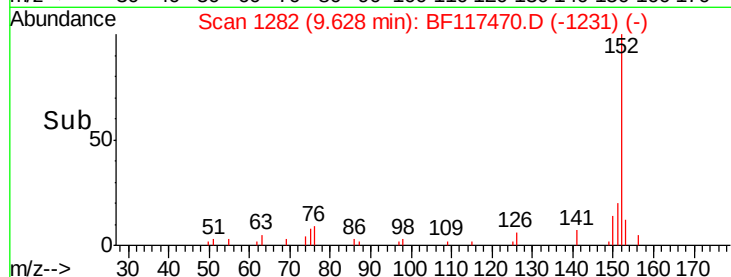
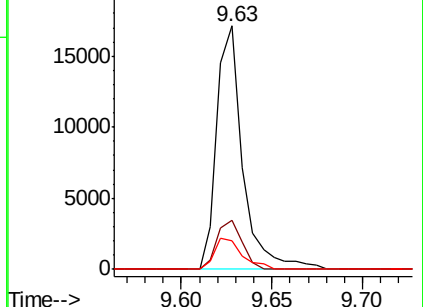
153 11.6 10.3 15.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 3.228 ng

RT: 9.48 min Scan# 1257

Delta R.T. -0.01 min

Lab File: BF117470.D

Acq: 22 Oct 2019 1:35

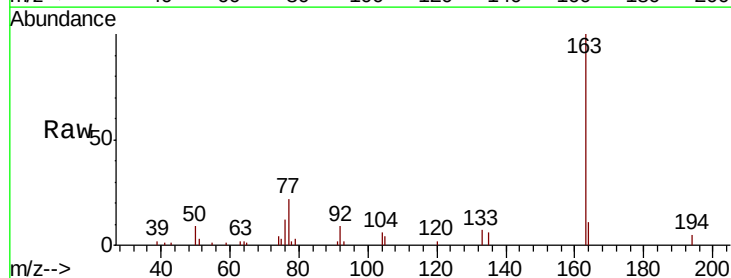
Tgt Ion:163 Resp: 21268

Ion Ratio Lower Upper

163 100

194 4.5 2.9 4.3#

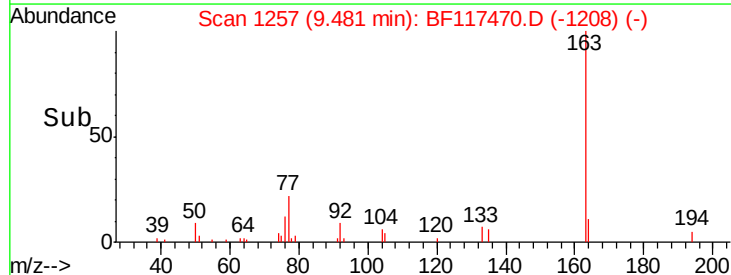
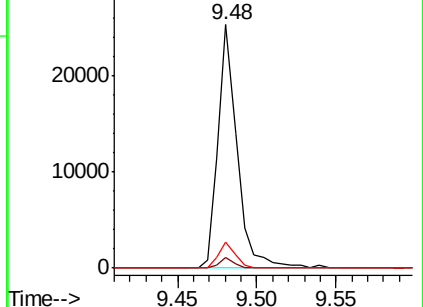
164 10.9 8.2 12.2

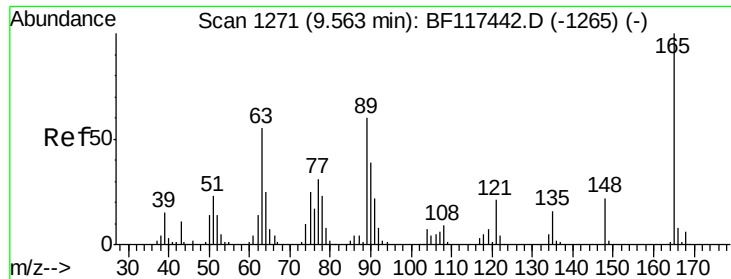


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

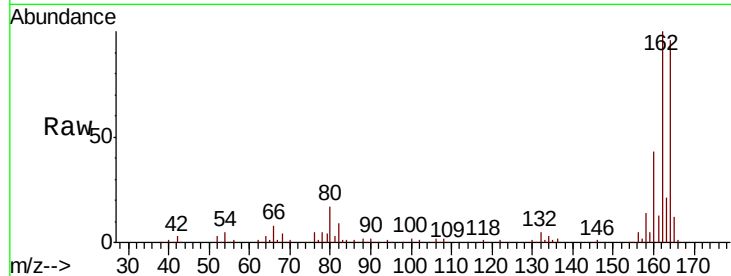




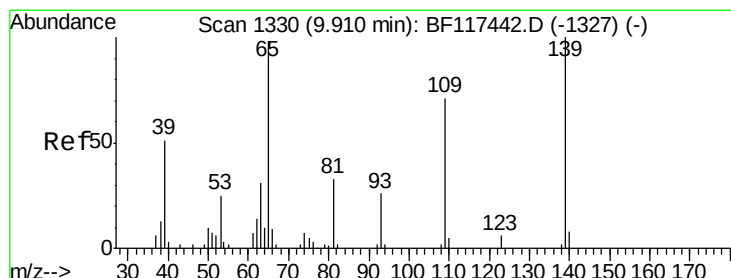
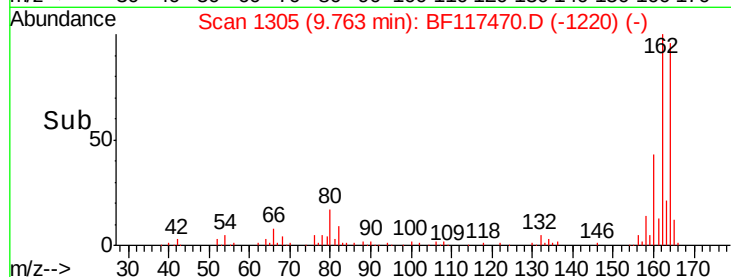
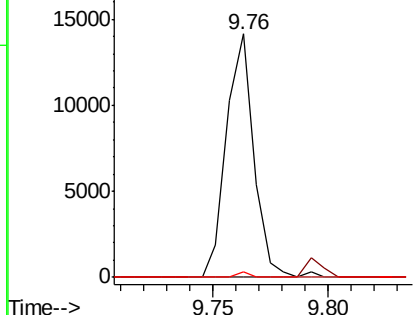
#51
 2,6-Dinitrotoluene
 Concen: 8.512 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. 0.20 min
 Lab File: BF117470.D
 Acq: 22 Oct 2019 1:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 11704
 Ion Ratio Lower Upper
 165 100
 63 0.0 43.8 65.8#
 89 2.2 47.6 71.4#

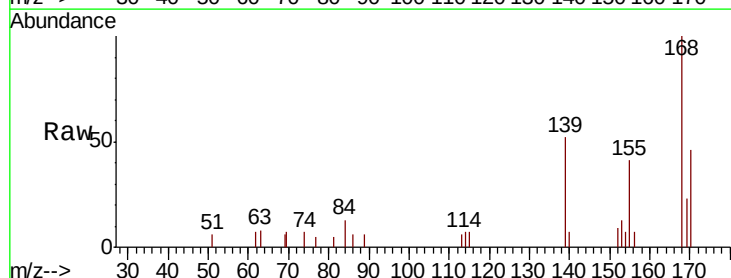


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

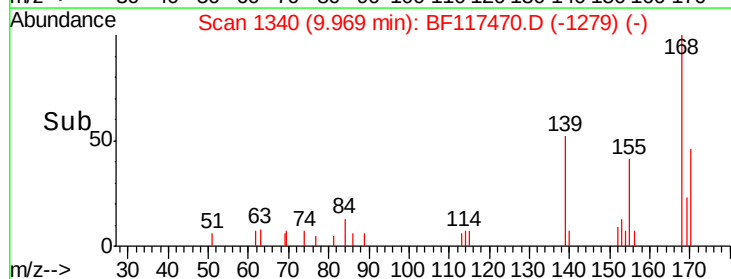
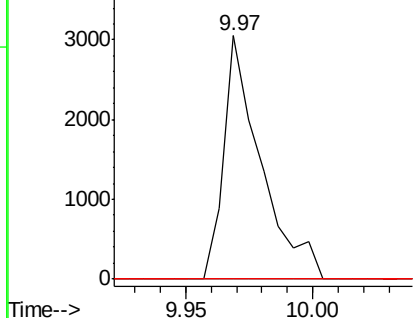


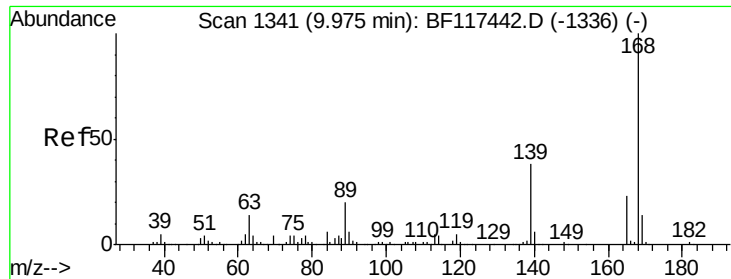
#56
 4-Nitrophenol
 Concen: 7.967 ng
 RT: 9.97 min Scan# 1340
 Delta R.T. 0.06 min
 Lab File: BF117470.D
 Acq: 22 Oct 2019 1:35

Tgt Ion:139 Resp: 3107
 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

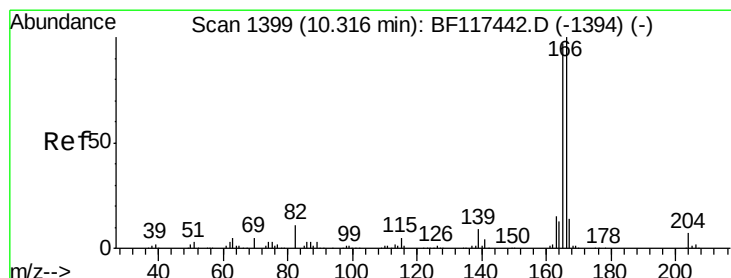
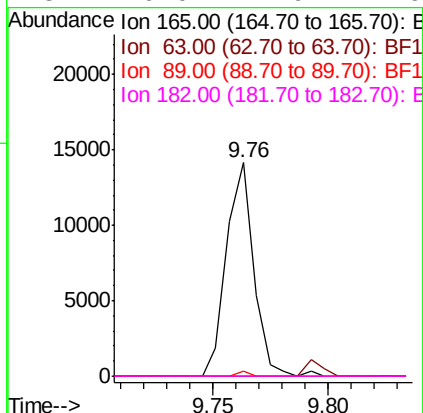
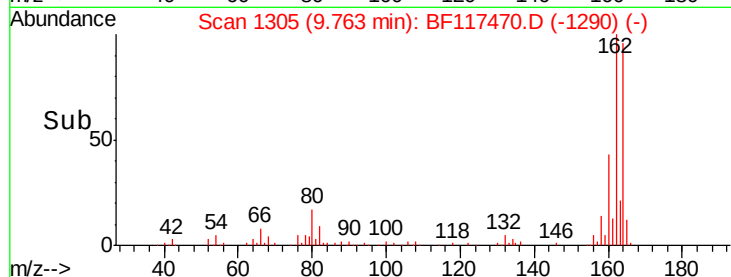
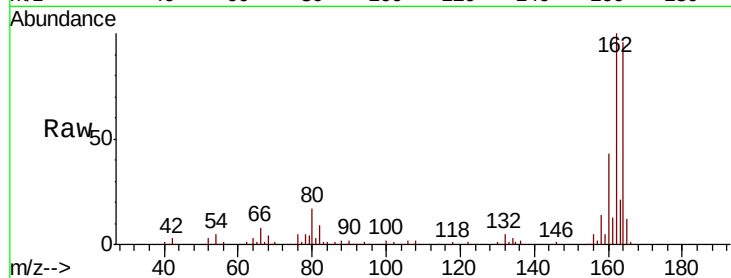




#57
 2,4-Dinitrotoluene
 Concen: 6.402 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.21 min
 Lab File: BF117470.D
 Acq: 22 Oct 2019 1:35

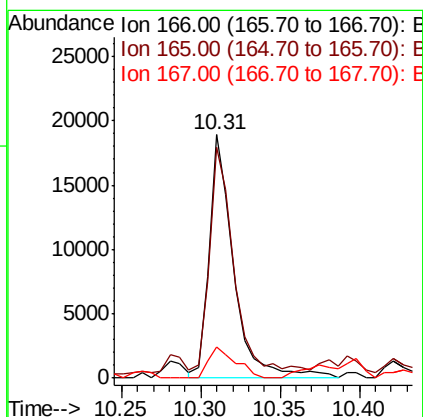
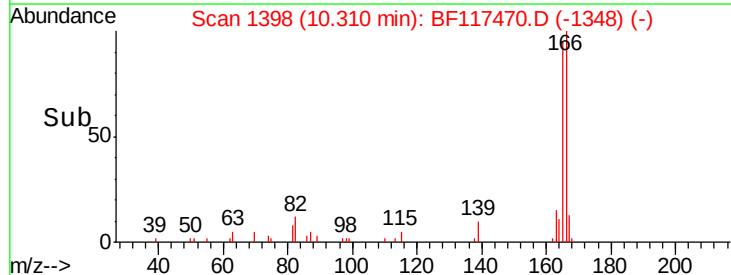
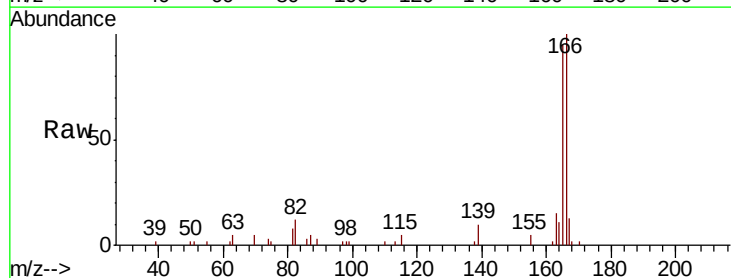
Instrument :
 BNA_F
 ClientSampleId :

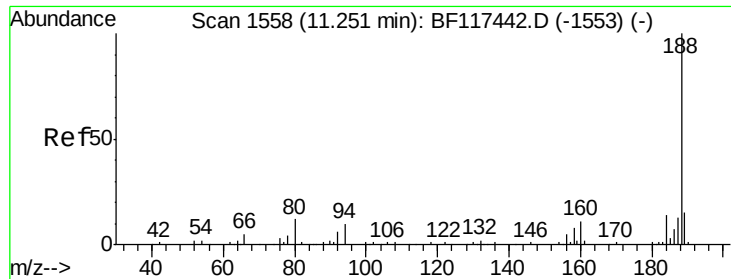
Tot Ion:165 Resp: 11704
 Ion Ratio Lower Upper
 165 100
 63 0.0 51.4 77.0#
 89 2.2 69.9 104.9#
 182 0.0 1.9 2.9#



#58
 Fluorene
 Concen: 3.280 ng
 RT: 10.31 min Scan# 1398
 Delta R.T. -0.01 min
 Lab File: BF117470.D
 Acq: 22 Oct 2019 1:35

Tgt Ion:166 Resp: 20432
 Ion Ratio Lower Upper
 166 100
 165 94.5 77.6 116.4
 167 12.8 11.0 16.4

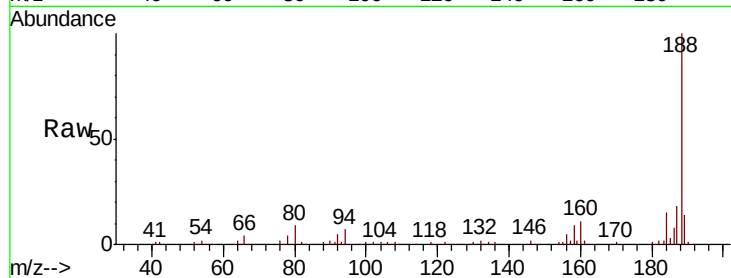




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1558
 Delta R.T. 0.00 min
 Lab File: BF117470.D
 Acq: 22 Oct 2019 1:35

Instrument :
 BNA_F
 ClientSampleId :

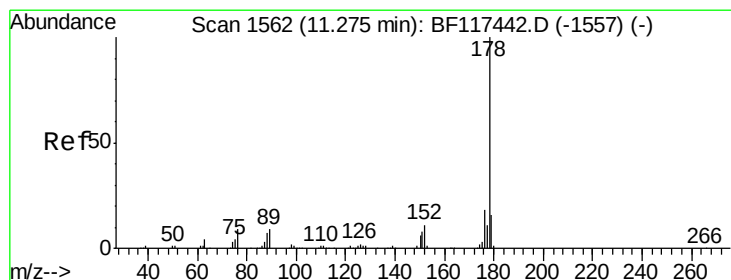
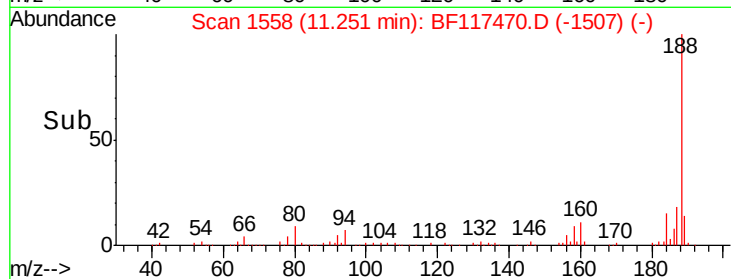
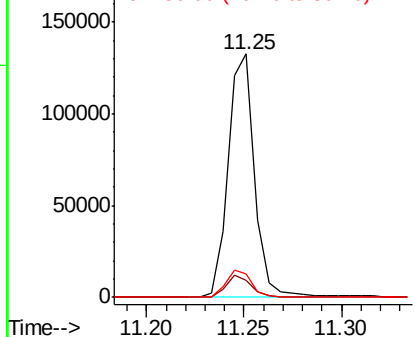
Tot Ion	188	Resp	123762
Ion Ratio	100		
Lower	8.0		
Upper	12.0		
94	7.1		
80	9.4		
9.5			
14.3			



Abundance Ion 188.00 (187.70 to 188.70): E

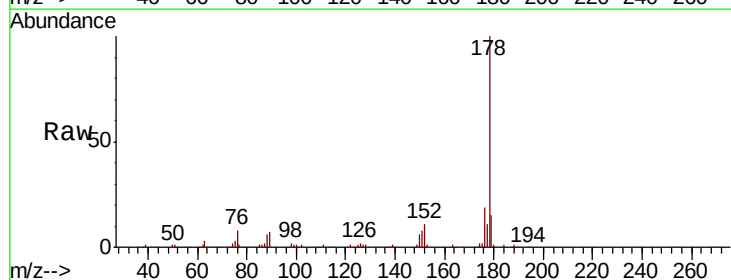
Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71
 Phenanthrene
 Concen: 22.438 ng
 RT: 11.27 min Scan# 1562
 Delta R.T. 0.00 min
 Lab File: BF117470.D
 Acq: 22 Oct 2019 1:35

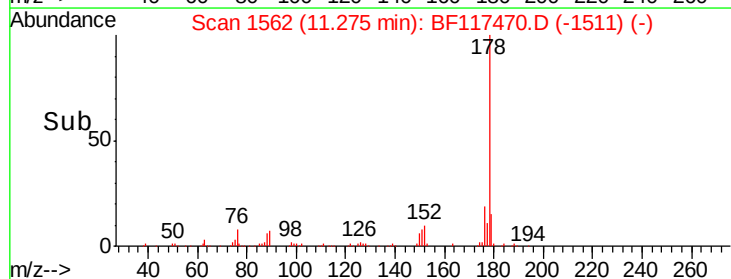
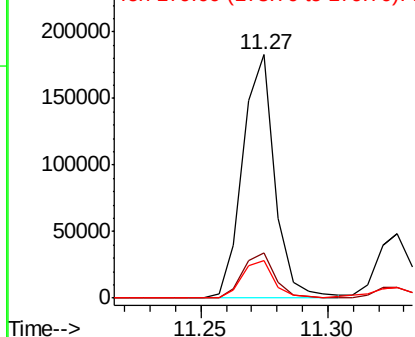
Tgt Ion	178	Resp	161247
Ion Ratio	100		
Lower	14.6		
Upper	22.0		
176	18.6		
179	15.4		
12.6			
19.0			

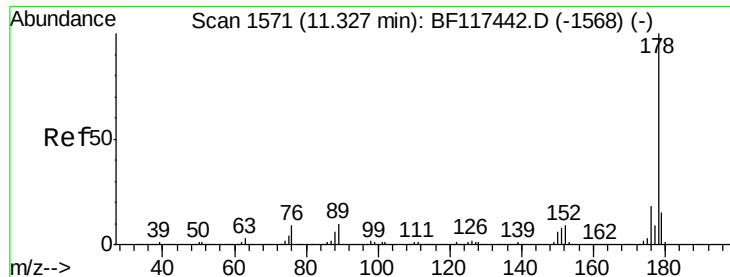


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 6.951 ng

RT: 11.33 min Scan# 1571

Delta R.T. 0.00 min

Lab File: BF117470.D

Acq: 22 Oct 2019 1:35

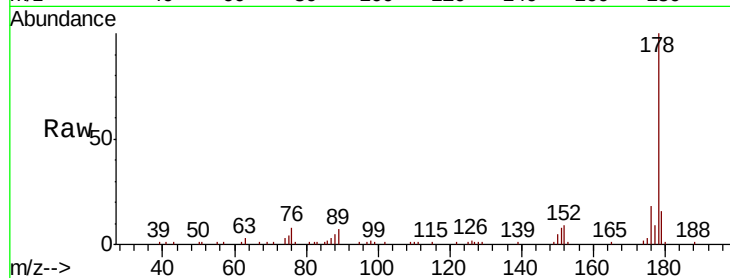
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 51256

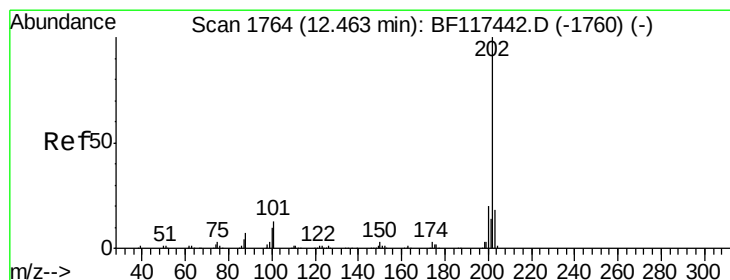
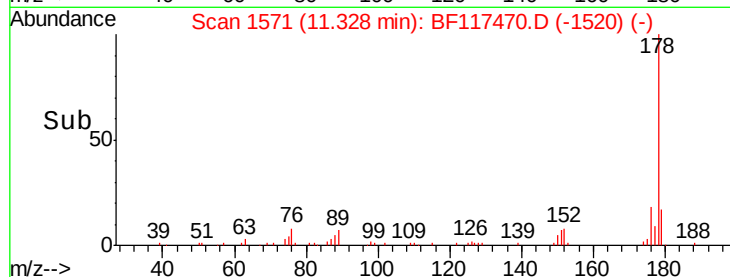
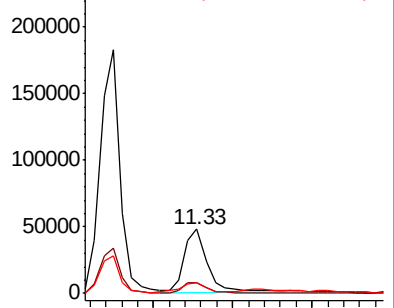
Ion	Ratio	Lower	Upper
178	100		
176	17.5	14.7	22.1
179	16.4	12.2	18.2



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: 27.420 ng

RT: 12.46 min Scan# 1764

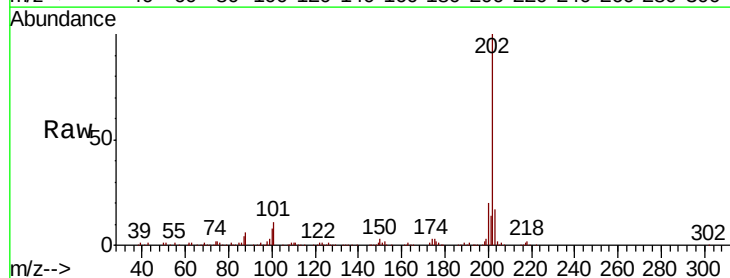
Delta R.T. 0.00 min

Lab File: BF117470.D

Acq: 22 Oct 2019 1:35

Tgt Ion:202 Resp: 197263

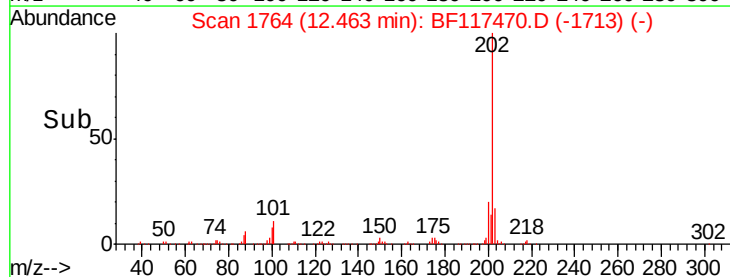
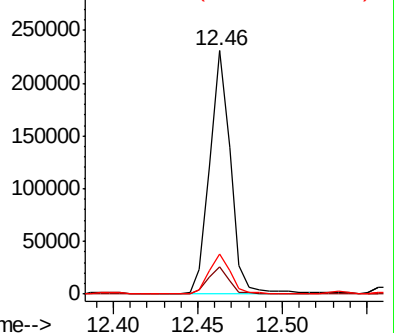
Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	32.7
203	16.5	0.0	37.6

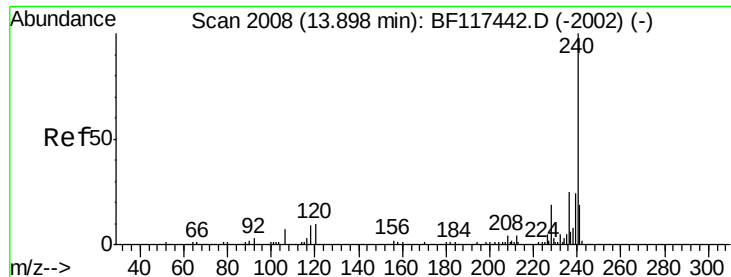


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF117470.D

Acq: 22 Oct 2019 1:35

Instrument :

BNA_F

ClientSampleId :

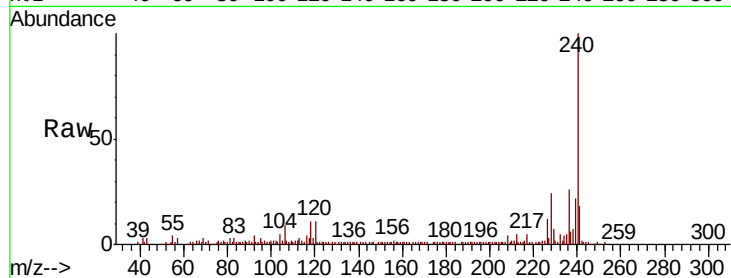
Tot Ion:240 Resp: 85402

Ion Ratio Lower Upper

240 100

120 11.2 8.4 12.6

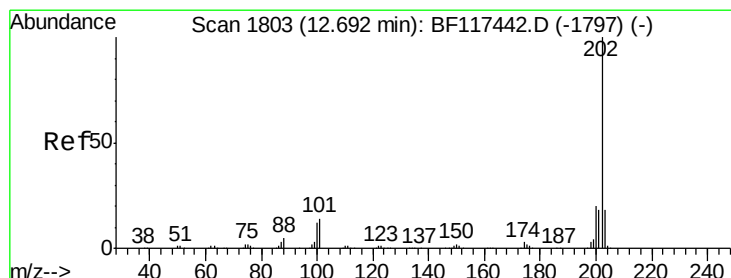
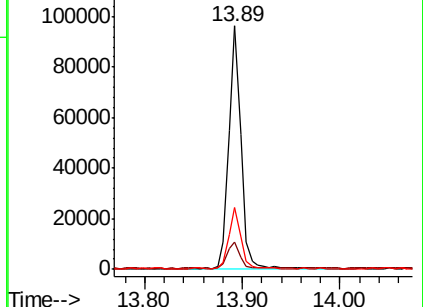
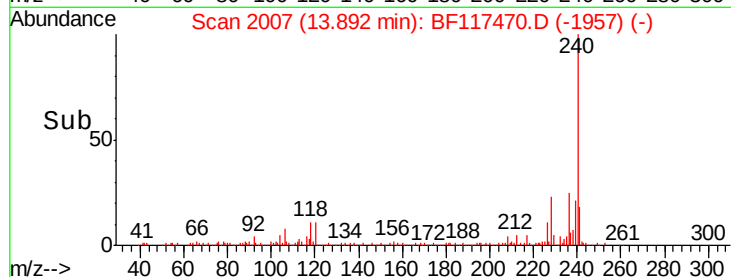
236 25.6 20.0 30.0



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

Pyrene

Concen: 25.831 ng

RT: 12.69 min Scan# 1803

Delta R.T. 0.00 min

Lab File: BF117470.D

Acq: 22 Oct 2019 1:35

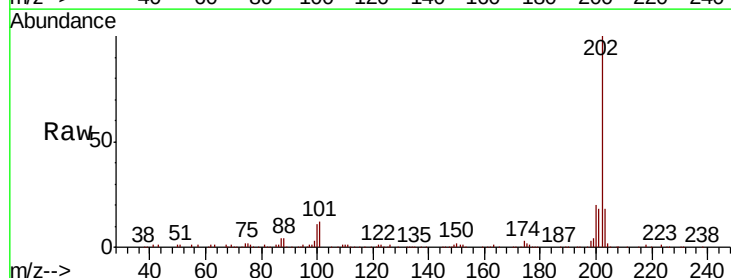
Tgt Ion:202 Resp: 189486

Ion Ratio Lower Upper

202 100

200 20.3 16.2 24.2

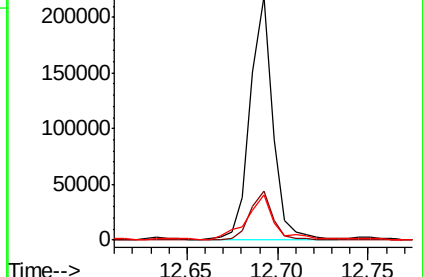
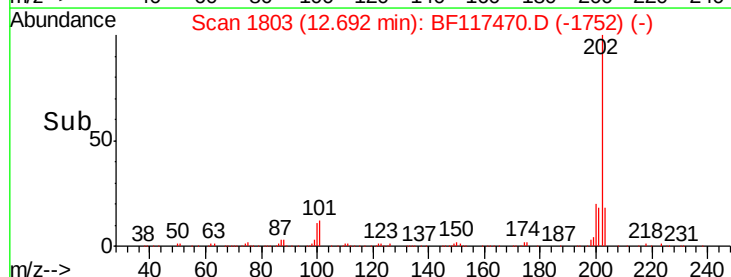
203 18.4 14.0 21.0

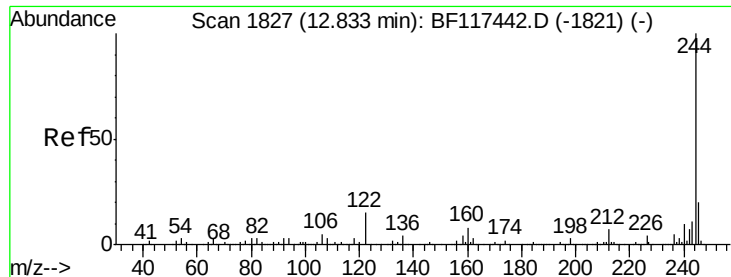


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 25.308 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF117470.D

Acq: 22 Oct 2019 1:35

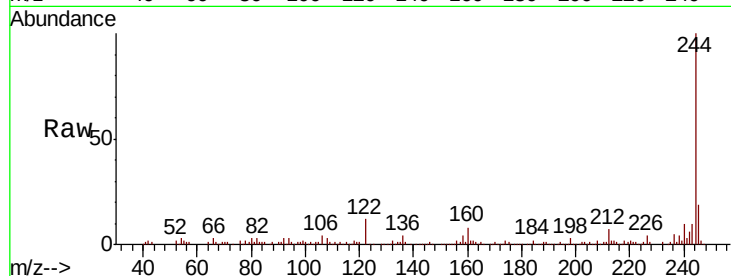
Instrument :

BNA_F

ClientSampleId :

Tot Ion:244 Resp: 132507

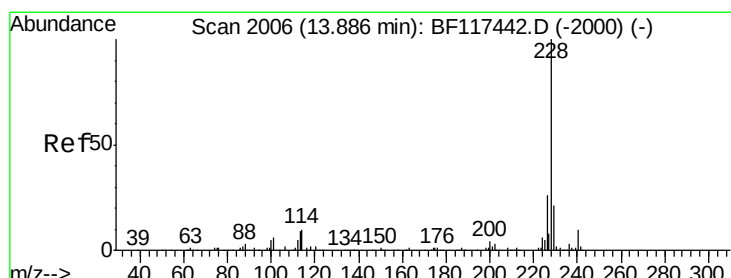
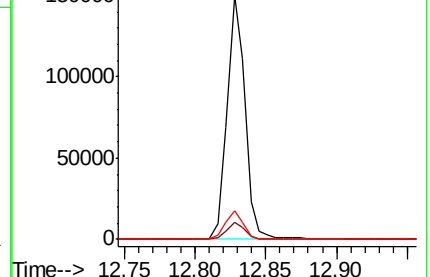
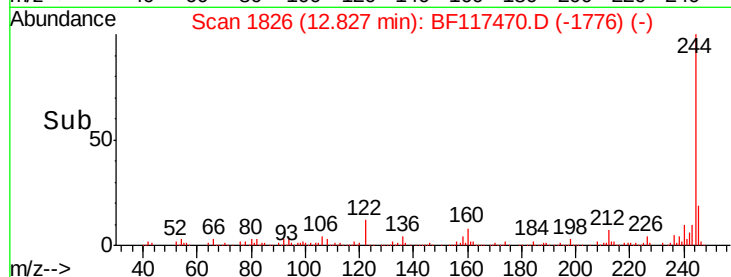
Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.6
122	11.9	11.8	17.8



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: 14.787 ng

RT: 13.88 min Scan# 2005

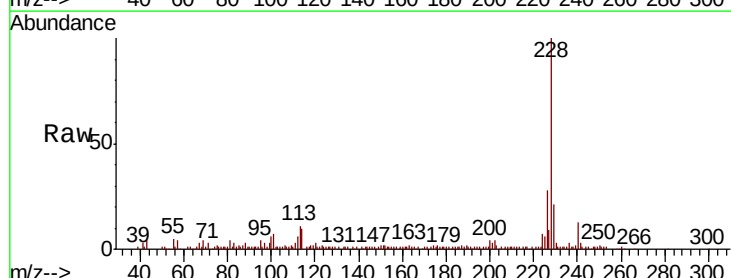
Delta R.T. -0.01 min

Lab File: BF117470.D

Acq: 22 Oct 2019 1:35

Tgt Ion:228 Resp: 85185

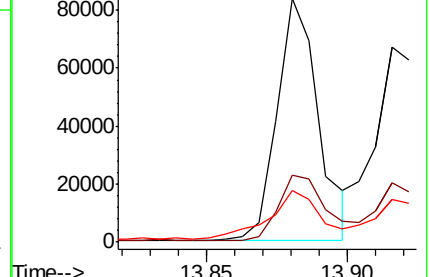
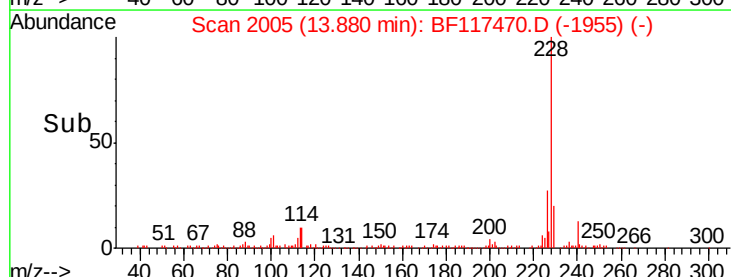
Ion	Ratio	Lower	Upper
228	100		
226	27.5	21.0	31.4
229	21.0	16.4	24.6

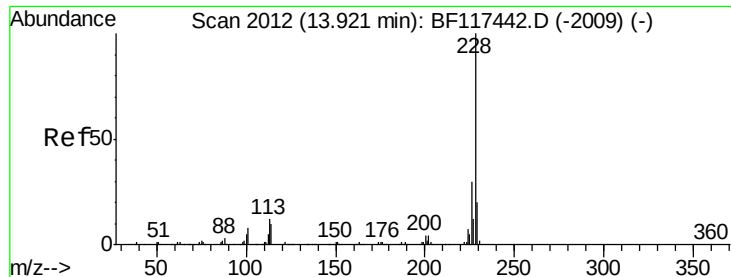


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

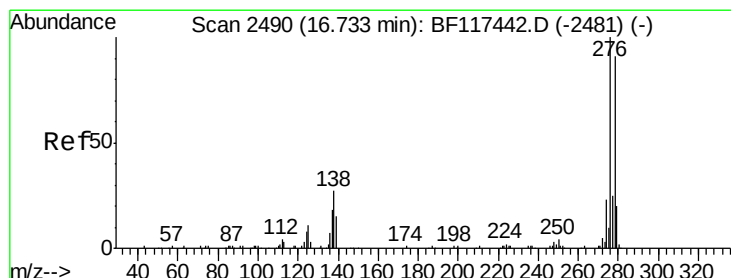
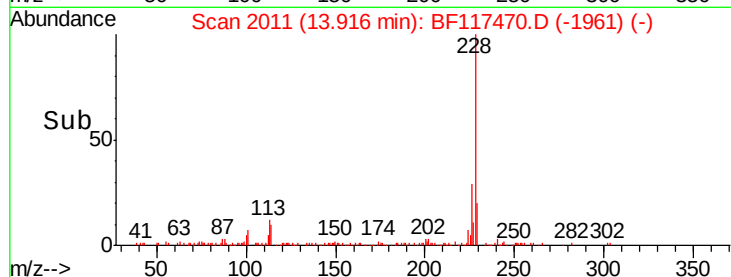
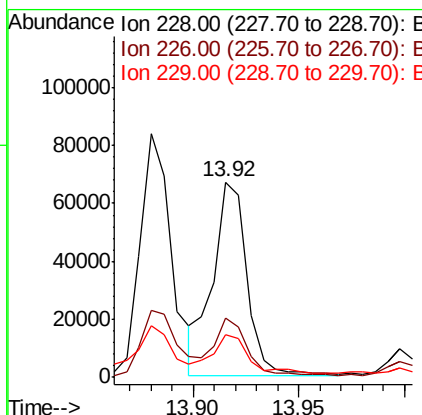
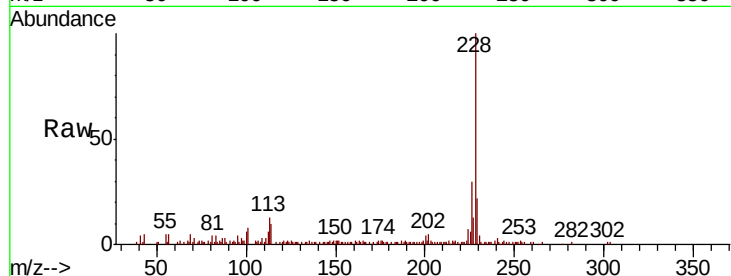




#83
Chrysene
Concen: 13.407 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BF117470.D
Acq: 22 Oct 2019 1:35

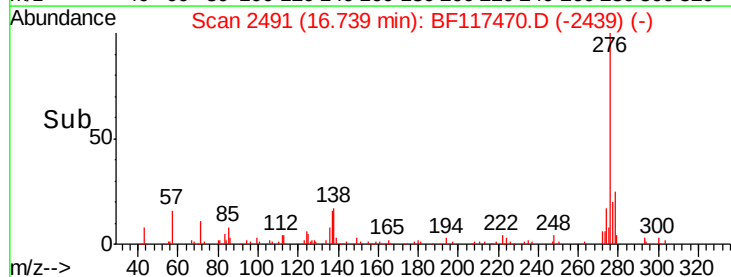
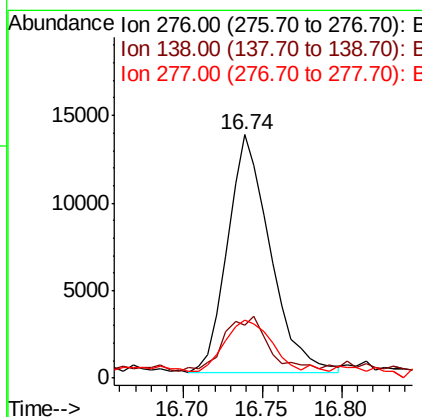
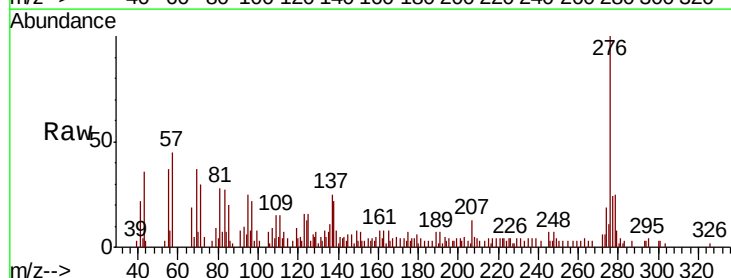
Instrument :
BNA_F
ClientSampleId :

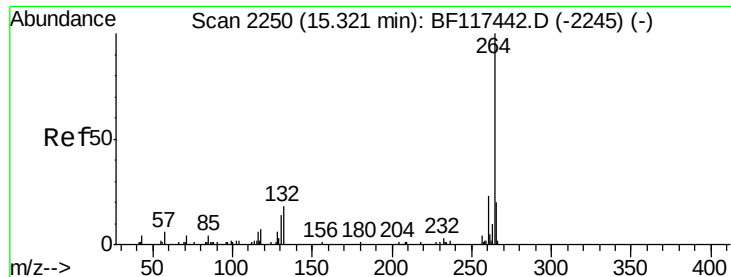
Tot Ion:228 Resp: 75691
Ion Ratio Lower Upper
228 100
226 30.1 23.9 35.9
229 21.7 15.8 23.6



#86
Indeno(1,2,3-cd)pyrene
Concen: 6.003 ng
RT: 16.74 min Scan# 2491
Delta R.T. 0.01 min
Lab File: BF117470.D
Acq: 22 Oct 2019 1:35

Tgt Ion:276 Resp: 25302
Ion Ratio Lower Upper
276 100
138 23.6 21.8 32.8
277 23.6 20.0 30.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.33 min Scan# 2251

Delta R.T. 0.01 min

Lab File: BF117470.D

Acq: 22 Oct 2019 1:35

Instrument :

BNA_F

ClientSampleId :

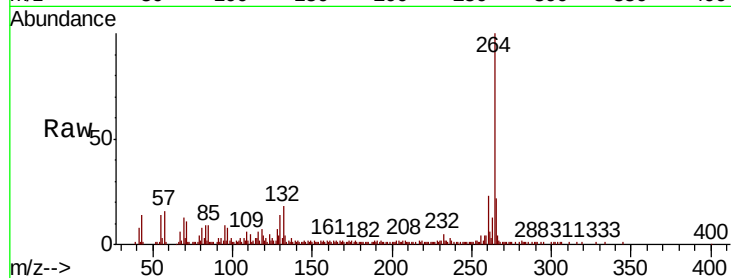
Tot Ion:264 Resp: 82541

Ion Ratio Lower Upper

264 100

260 23.4 18.4 27.6

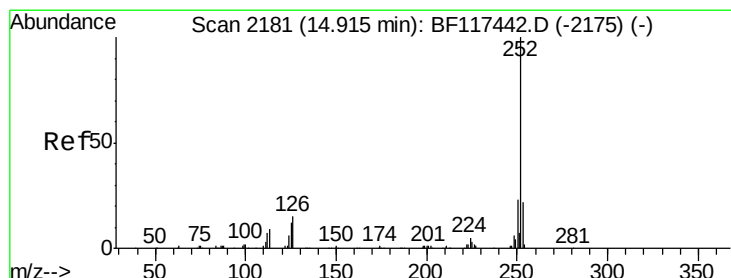
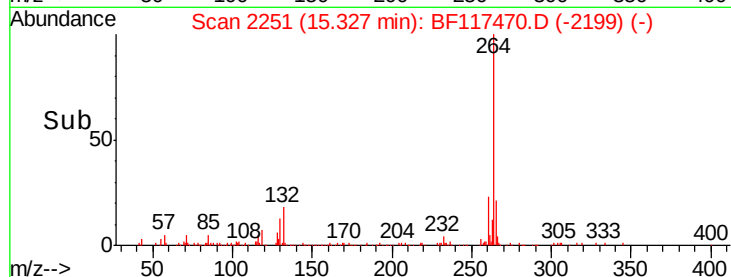
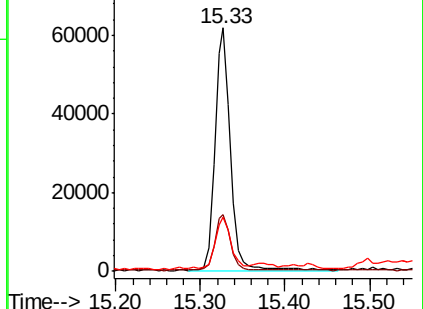
265 22.1 16.1 24.1



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: 21.800 ng

RT: 14.92 min Scan# 2182

Delta R.T. 0.01 min

Lab File: BF117470.D

Acq: 22 Oct 2019 1:35

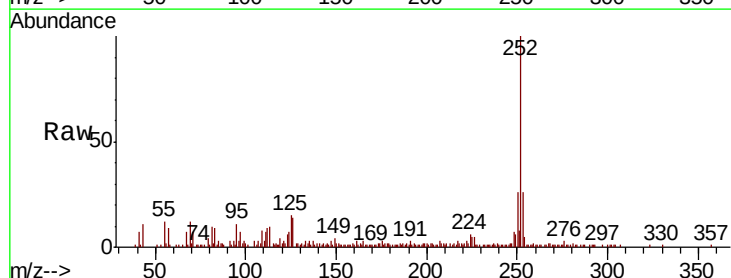
Tgt Ion:252 Resp: 106257

Ion Ratio Lower Upper

252 100

253 26.4 17.8 26.6

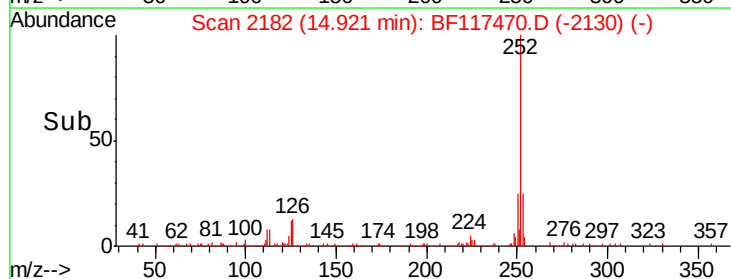
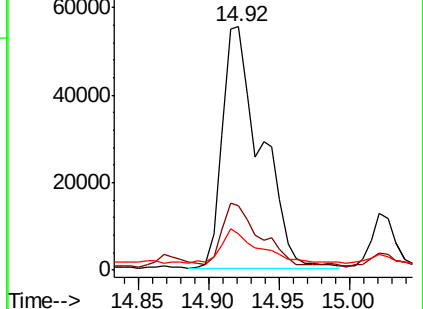
125 14.8 9.9 14.9

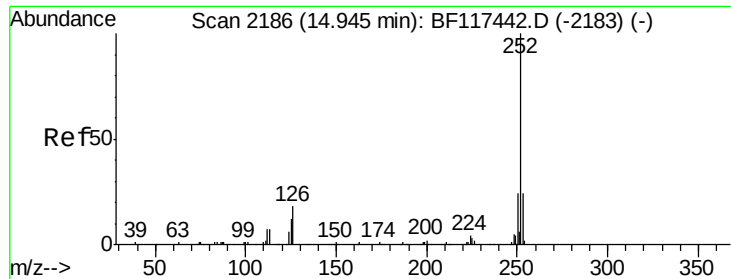


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

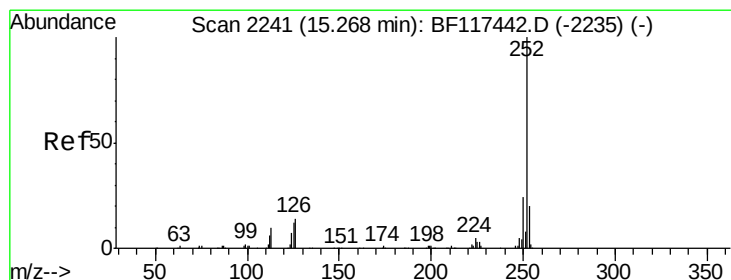
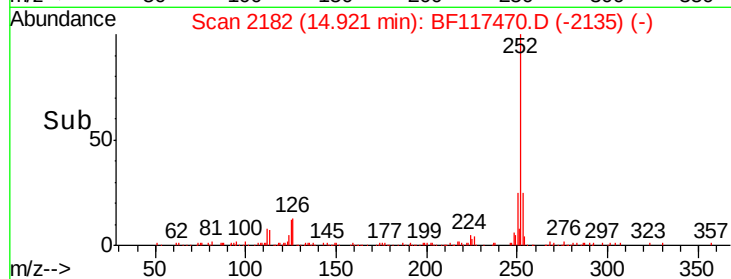
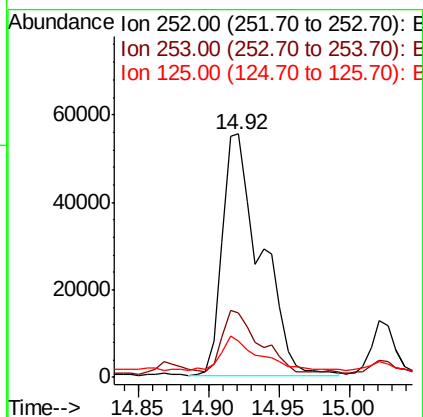
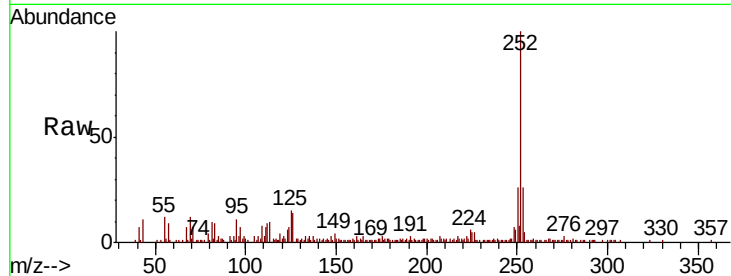




#89
Benzo(k)fluoranthene
Concen: 21.270 ng
RT: 14.92 min Scan# 2182
Delta R.T. -0.02 min
Lab File: BF117470.D
Acq: 22 Oct 2019 1:35

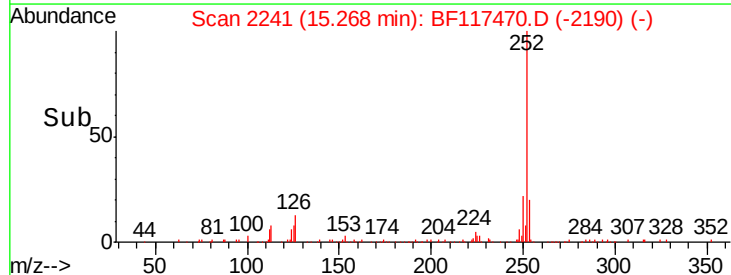
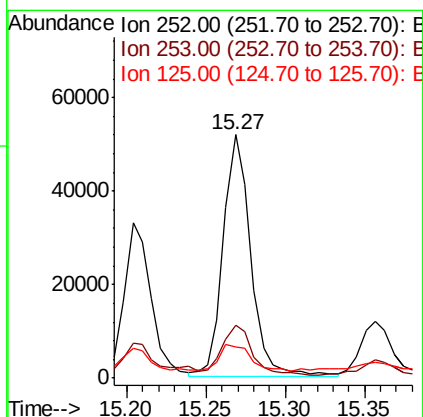
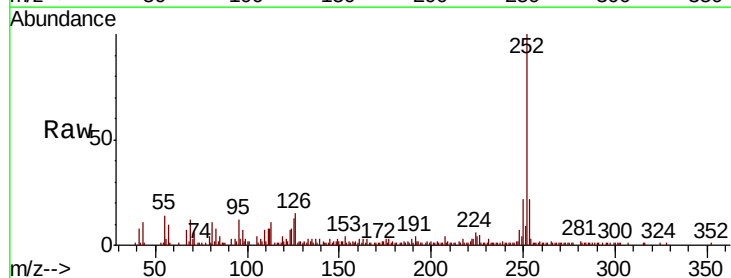
Instrument :
BNA_F
ClientSampleId :

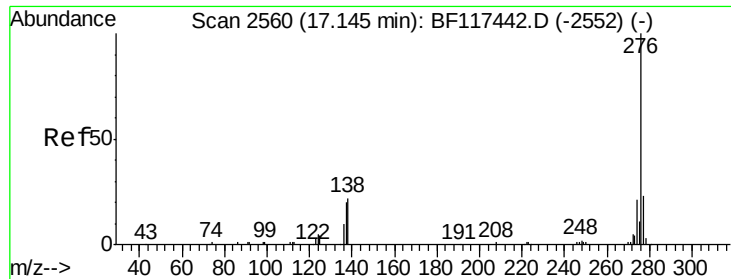
Tot Ion	Ratio	Lower	Upper
252	100		
253	26.4	18.0	27.0
125	14.8	8.9	13.3



#90
Benzo(a)pyrene
Concen: 14.017 ng
RT: 15.27 min Scan# 2241
Delta R.T. 0.00 min
Lab File: BF117470.D
Acq: 22 Oct 2019 1:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	16.3	24.5
125	12.5	9.2	13.8

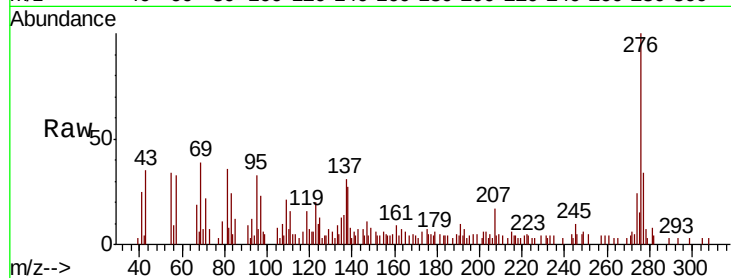




#92
 Benzo(a,h,i)perylene
 Concen: 7.458 ng
 RT: 17.16 min Scan# 2563
 Delta R.T. 0.02 min
 Lab File: BF117470.D
 Acq: 22 Oct 2019 1:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	34.0	18.4	27.6#
138	26.7	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

