

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030220\
 Data File : BF119175.D
 Acq On : 2 Mar 2020 18:22
 Operator : CG/JU
 Sample : L1372-06 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 03 07:20:43 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 26 16:03:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	140038	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	548689	20.00	ng	-0.02
39) Acenaphthene-d10	9.77	164	294846	20.00	ng	-0.02
64) Phenanthrene-d10	11.25	188	500910	20.00	ng	-0.01
76) Chrysene-d12	13.89	240	348111	20.00	ng	-0.01
87) Perylene-d12	15.32	264	348495	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	363180	43.34	ng	-0.01
7) Phenol-d6	6.38	99	451950	44.35	ng	-0.02
23) Nitrobenzene-d5	7.29	82	294468	28.34	ng	-0.03
42) 2,4,6-Tribromophenol	10.56	330	144171	37.38	ng	-0.02
45) 2-Fluorobiphenyl	9.09	172	604324	30.19	ng	-0.02
79) Terphenyl-d14	12.83	244	630378	31.18	ng	-0.02

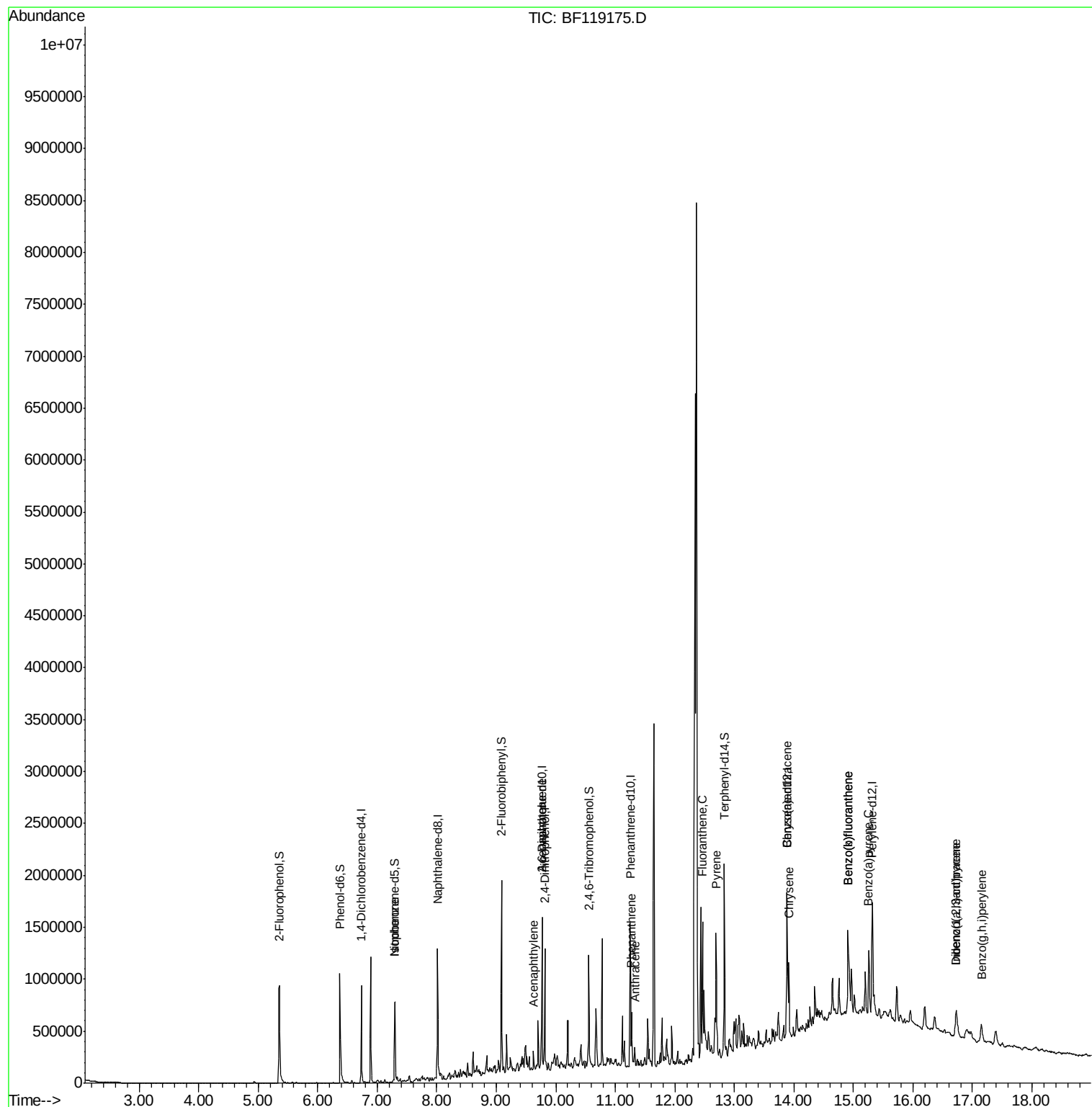
Target Compounds				Qvalue		
25) Isophorone	7.29	82	292035	16.181	ng	# 63
49) Acenaphthylene	9.63	152	65814	2.373	ng	99
51) 2,6-Dinitrotoluene	9.77	165	40340	8.053	ng	# 34
54) 2,4-Dinitrophenol	9.82	184	2434	8.382	ng	# 58
71) Phenanthrene	11.27	178	187475	6.863	ng	96
72) Anthracene	11.33	178	69890	2.561	ng	97
75) Fluoranthene	12.46	202	509355	17.566	ng	99
78) Pyrene	12.69	202	486537	17.406	ng	98
81) Benzo(a)anthracene	13.88	228	338914	14.289	ng	97
83) Chrysene	13.92	228	268536	11.362	ng	98
86) Indeno(1,2,3-cd)pyrene	16.72	276	154232	6.740	ng	96
88) Benzo(b)fluoranthene	14.91	252	593740	25.848	ng	96
89) Benzo(k)fluoranthene	14.91	252	593740	27.891	ng	96
90) Benzo(a)pyrene	15.26	252	303776	14.653	ng	98
91) Dibenzo(a,h)anthracene	16.72	278	42759	2.344	ng	# 78
92) Benzo(g,h,i)perylene	17.15	276	136099	7.551	ng	94

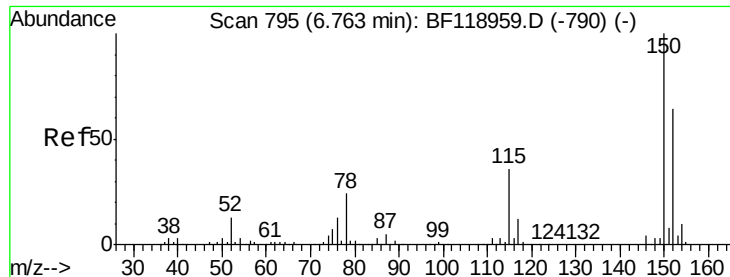
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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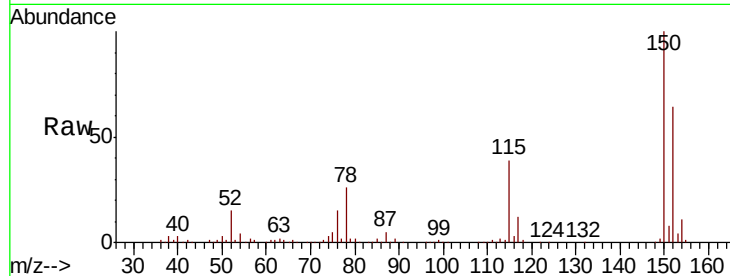


#1

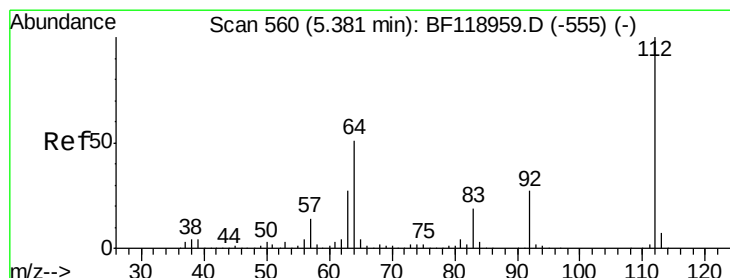
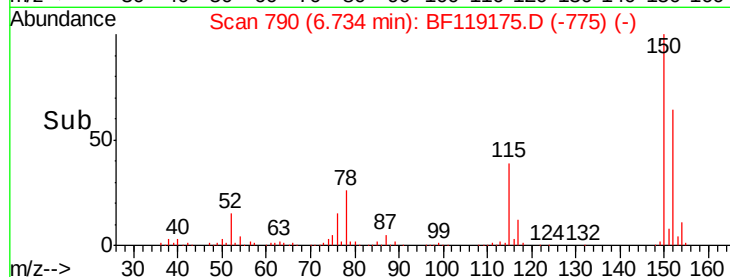
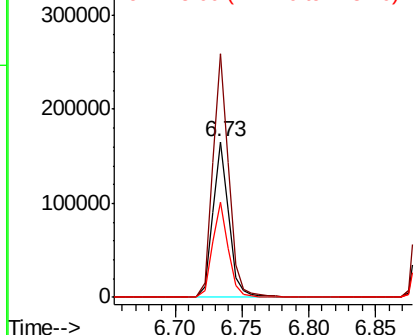
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.01 min
Lab File: BF119175.D
Acq: 2 Mar 2020 18:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 140038
Ion Ratio Lower Upper
152 100
150 156.3 123.0 184.6
115 61.1 49.5 74.3



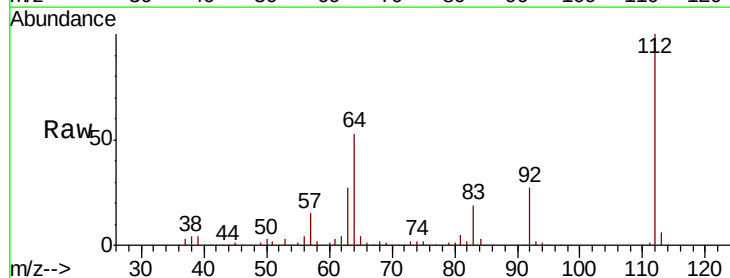
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



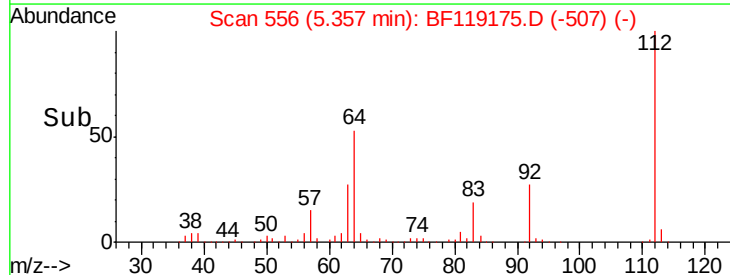
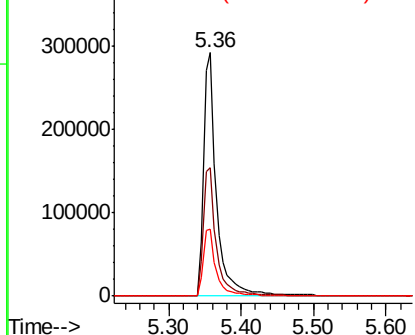
#5

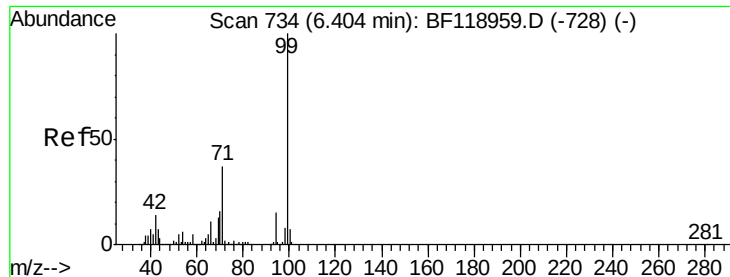
2-Fluorophenol
Concen: 43.341 ng
RT: 5.36 min Scan# 556
Delta R.T. -0.01 min
Lab File: BF119175.D
Acq: 2 Mar 2020 18:22

Tgt Ion:112 Resp: 363180
Ion Ratio Lower Upper
112 100
64 52.7 45.0 67.4
63 27.3 24.2 36.4



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: 44.347 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.02 min

Lab File: BF119175.D

Acq: 2 Mar 2020 18:22

Instrument :

BNA_F

ClientSampled :

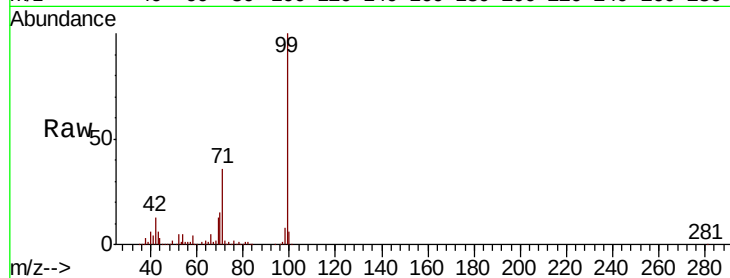
Tot Ion: 99 Resp: 451950

Ion Ratio Lower Upper

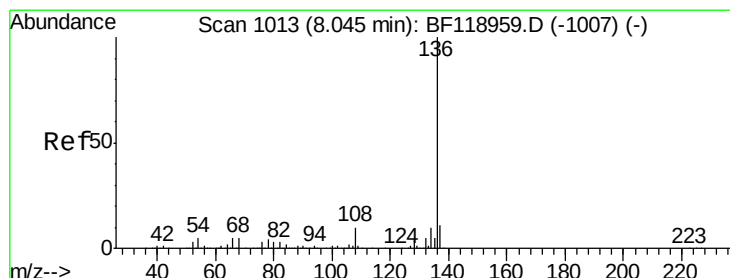
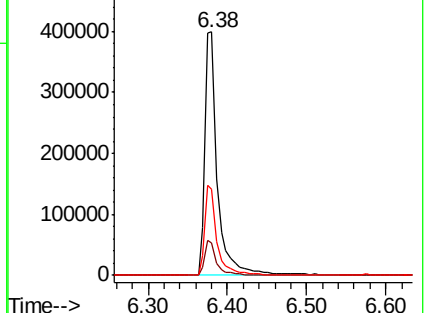
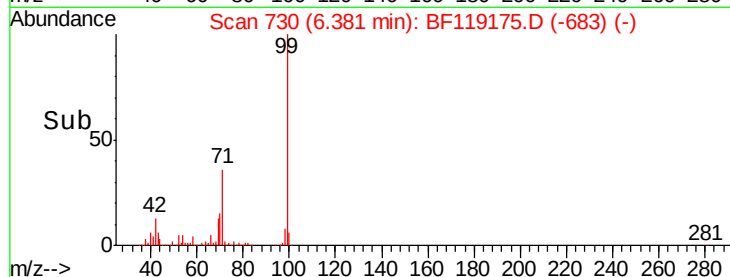
99 100

42 13.1 12.6 18.8

71 35.6 31.0 46.4



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 1008

Delta R.T. -0.02 min

Lab File: BF119175.D

Acq: 2 Mar 2020 18:22

Tgt Ion: 136 Resp: 548689

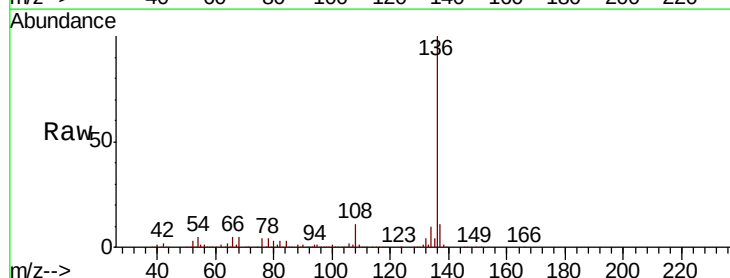
Ion Ratio Lower Upper

136 100

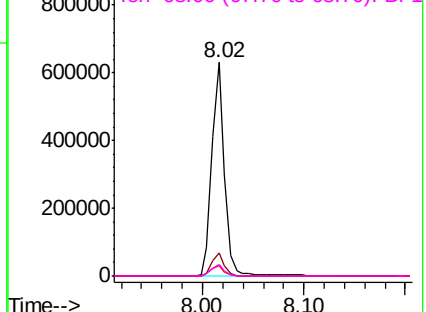
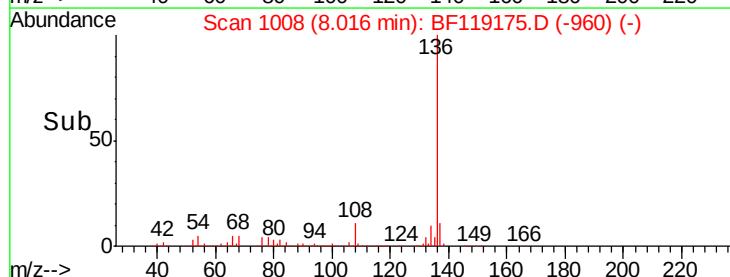
137 10.8 8.8 13.2

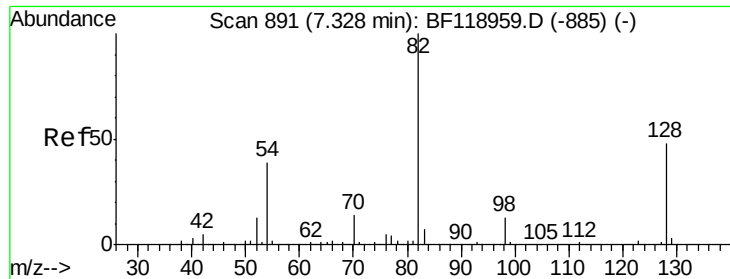
54 5.1 3.8 5.6

68 5.2 3.9 5.9



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

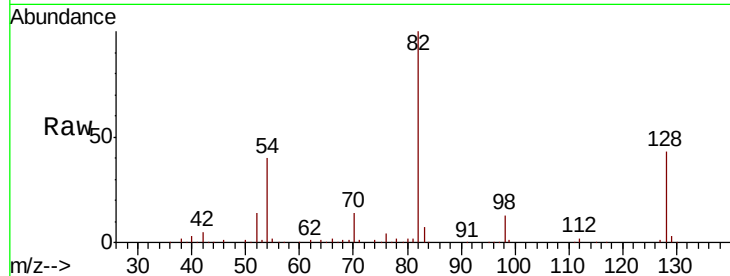




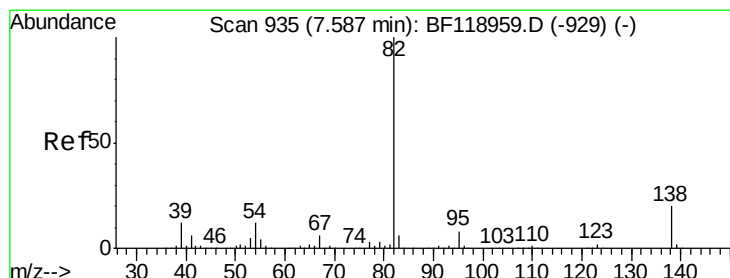
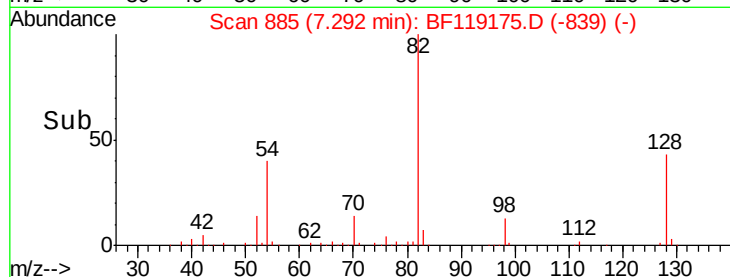
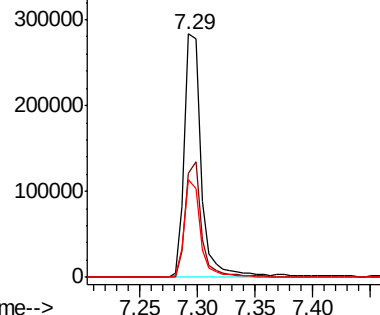
#23
Nitrobenzene-d5
Concen: 28.336 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.03 min
Lab File: BF119175.D
Acq: 2 Mar 2020 18:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	294468
Ion Ratio	Lower	Upper	
82	100		
128	42.9	37.9	56.9
54	40.2	33.4	50.2

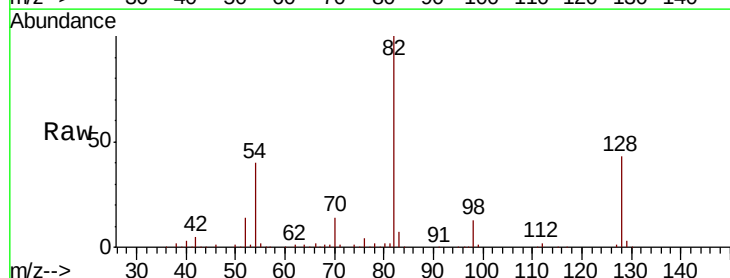


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

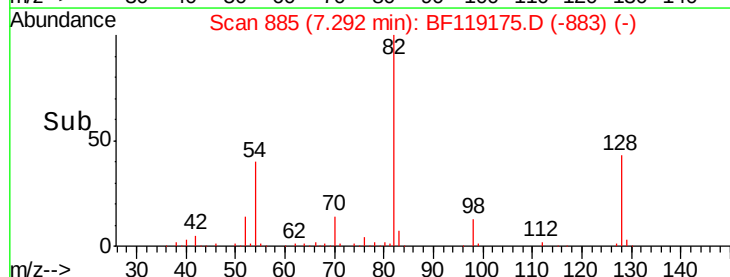
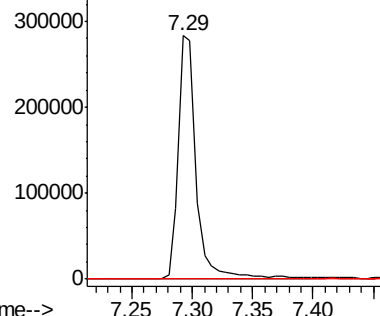


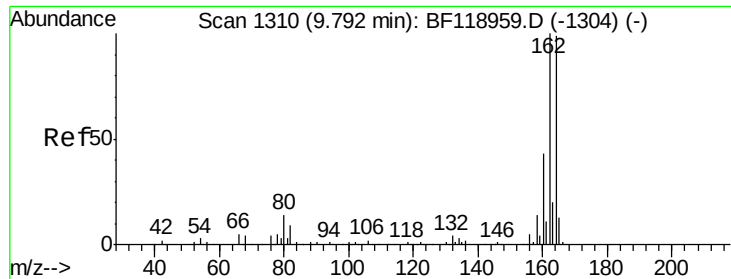
#25
Isophorone
Concen: 16.181 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.29 min
Lab File: BF119175.D
Acq: 2 Mar 2020 18:22

Tgt Ion	82	Resp	292035
Ion Ratio	Lower	Upper	
82	100		
95	0.2	6.4	9.6#
138	0.0	15.7	23.5#



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

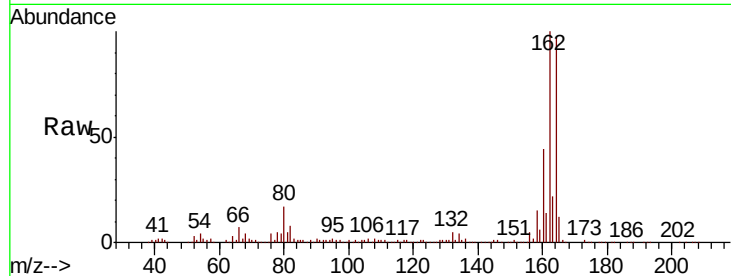




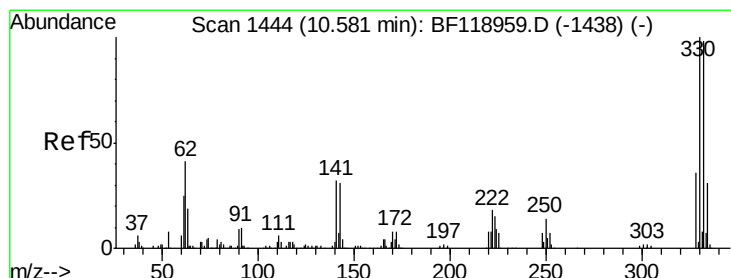
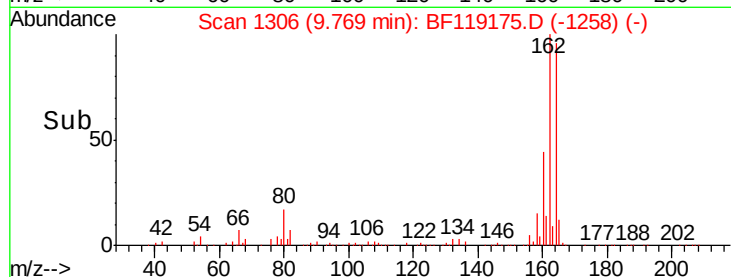
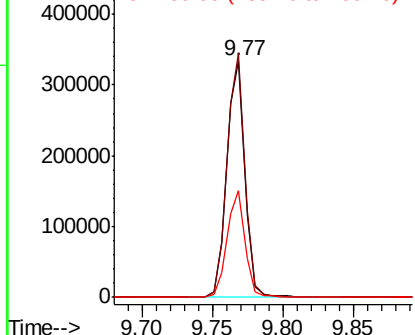
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. -0.02 min
 Lab File: BF119175.D
 Acq: 2 Mar 2020 18:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 294846
 Ion Ratio Lower Upper
 164 100
 162 102.9 81.8 122.8
 160 45.3 36.0 54.0

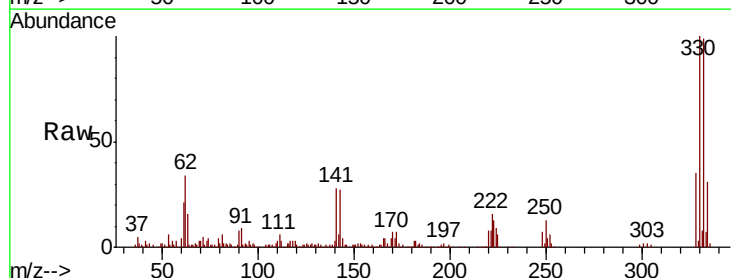


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

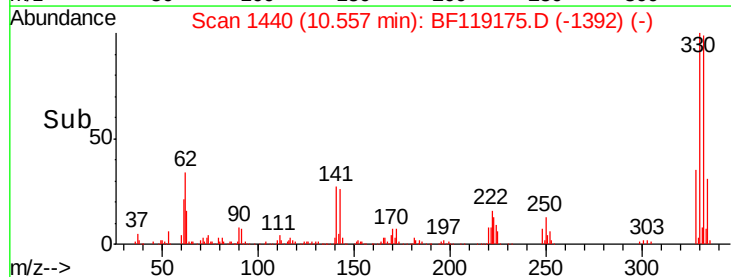
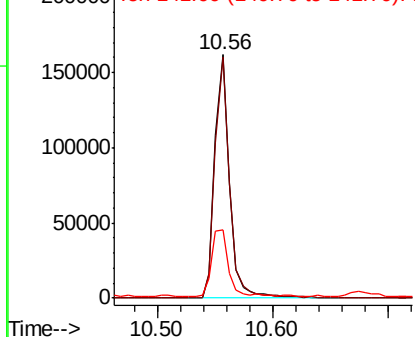


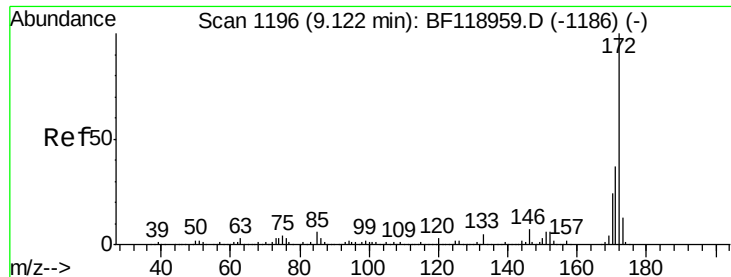
#42
 2,4,6-Tribromophenol
 Concen: 37.378 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.02 min
 Lab File: BF119175.D
 Acq: 2 Mar 2020 18:22

Tgt Ion:330 Resp: 144171
 Ion Ratio Lower Upper
 330 100
 332 98.1 76.0 114.0
 141 29.6 22.9 34.3



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

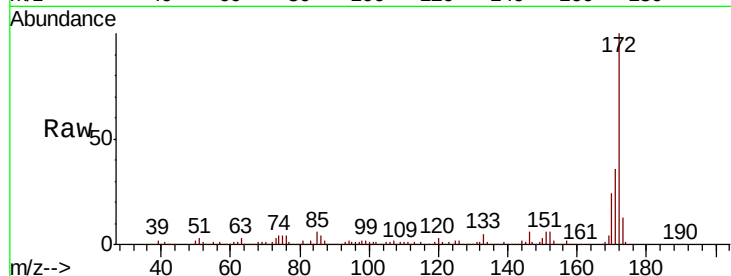




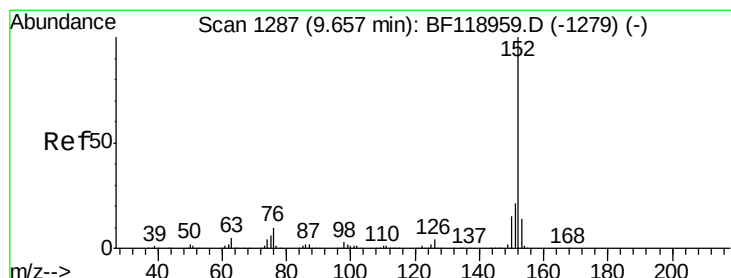
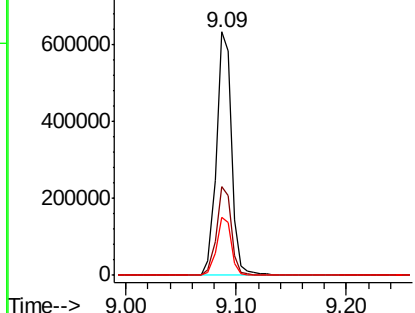
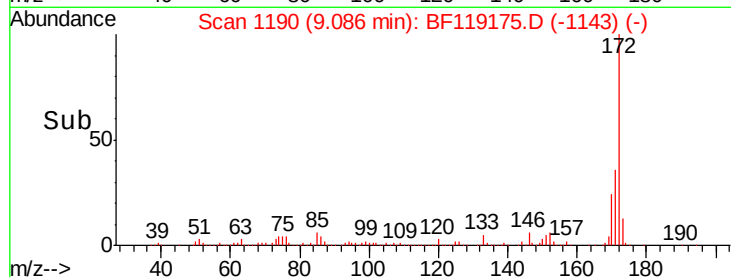
#45
 2-Fluorobiphenyl
 Concen: 30.195 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.02 min
 Lab File: BF119175.D
 Acq: 2 Mar 2020 18:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 604324
 Ion Ratio Lower Upper
 172 100
 171 36.2 30.6 45.8
 170 23.6 20.2 30.2

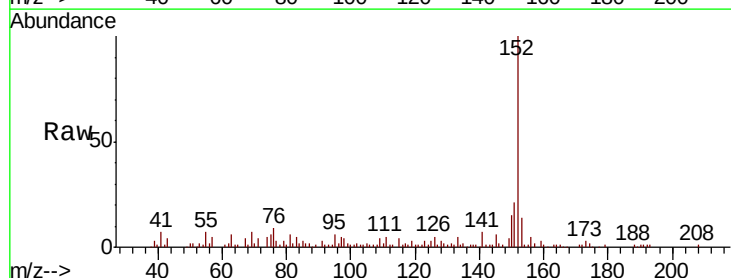


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

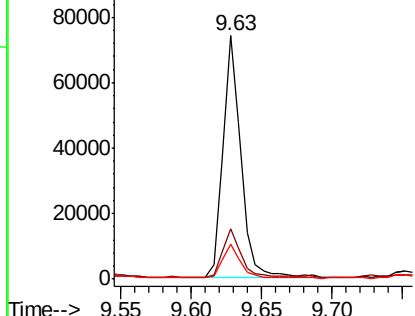
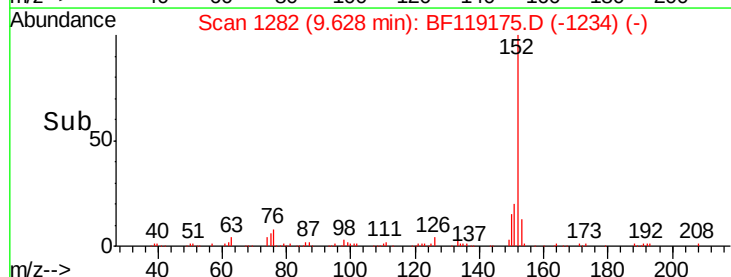


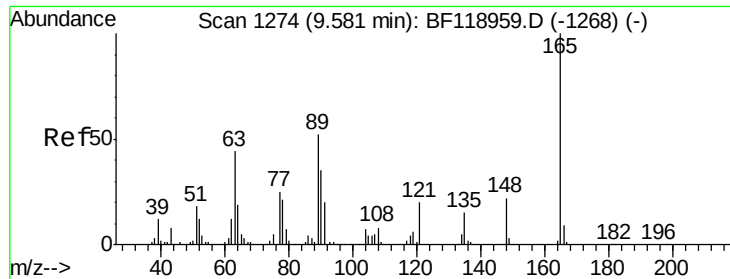
#49
 Acenaphthylene
 Concen: 2.373 ng
 RT: 9.63 min Scan# 1282
 Delta R.T. -0.02 min
 Lab File: BF119175.D
 Acq: 2 Mar 2020 18:22

Tgt Ion:152 Resp: 65814
 Ion Ratio Lower Upper
 152 100
 151 20.8 16.9 25.3
 153 14.3 11.0 16.6



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

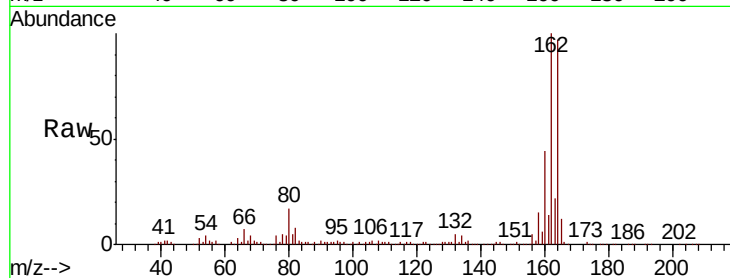




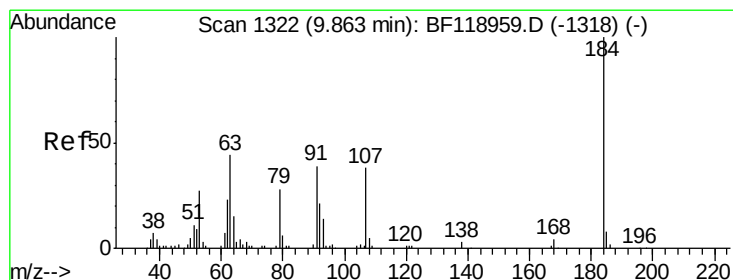
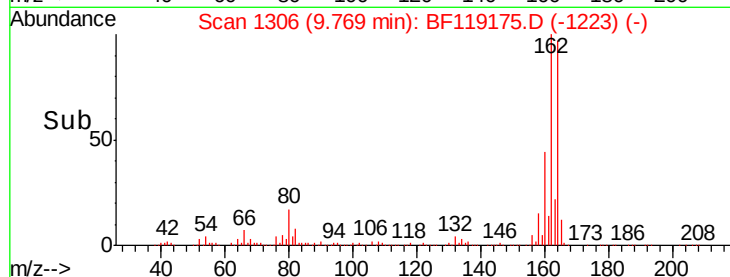
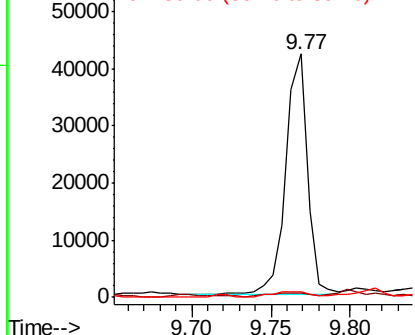
#51
 2,6-Dinitrotoluene
 Concen: 8.053 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. 0.19 min
 Lab File: BF119175.D
 Acq: 2 Mar 2020 18:22

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	34.3	51.5#
89	2.1	38.3	57.5#

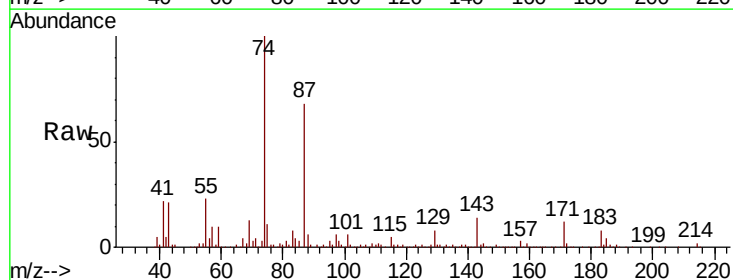


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

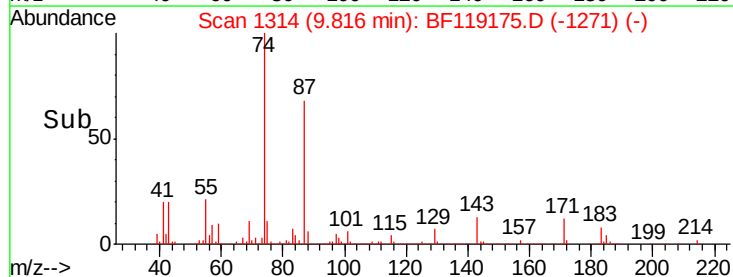
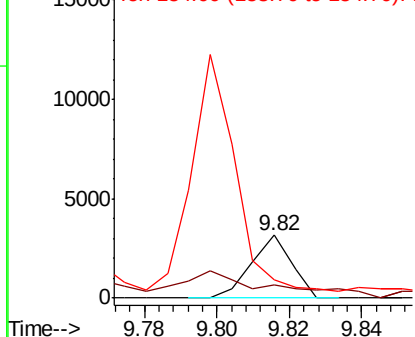


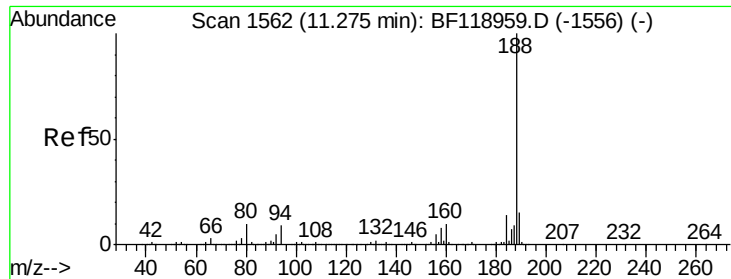
#54
 2,4-Dinitrophenol
 Concen: 8.382 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. -0.05 min
 Lab File: BF119175.D
 Acq: 2 Mar 2020 18:22

Tgt Ion	Ratio	Lower	Upper
184	100		
63	21.7	38.7	58.1#
154	28.3	49.7	74.5#



Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 154.00 (153.70 to 154.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BF119175.D

Acq: 2 Mar 2020 18:22

Instrument :

BNA_F

ClientSampleId :

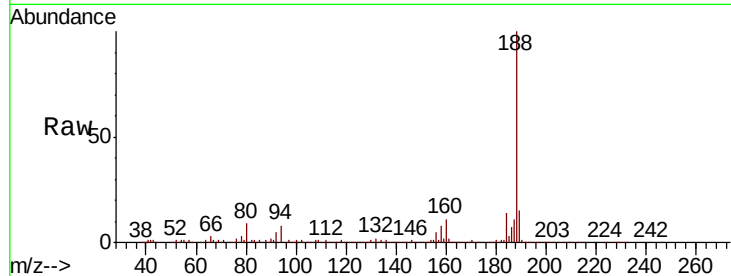
Tot Ion:188 Resp: 500910

Ion Ratio Lower Upper

188 100

94 8.2 7.1 10.7

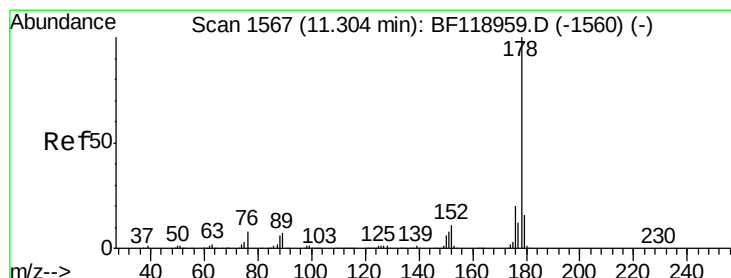
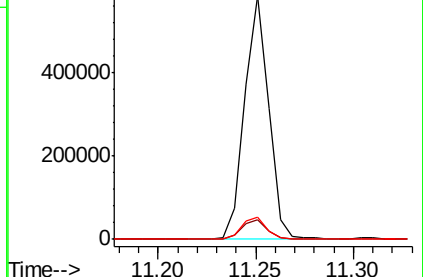
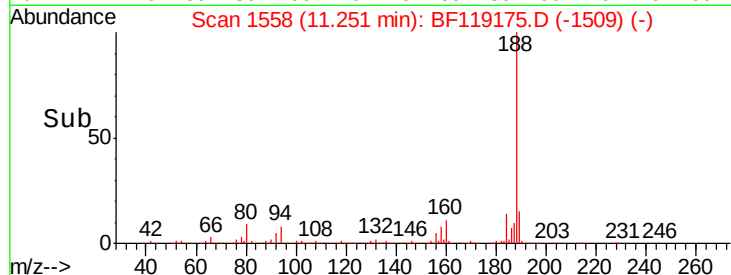
80 9.0 7.8 11.8



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: 6.863 ng

RT: 11.27 min Scan# 1562

Delta R.T. -0.02 min

Lab File: BF119175.D

Acq: 2 Mar 2020 18:22

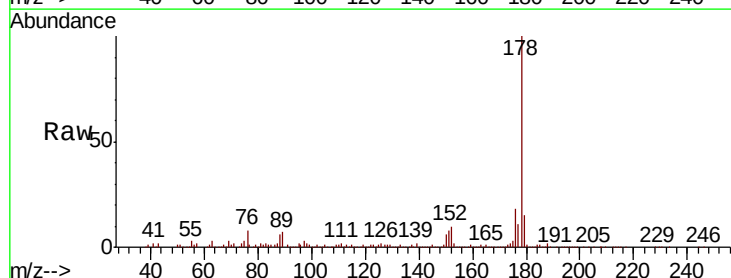
Tgt Ion:178 Resp: 187475

Ion Ratio Lower Upper

178 100

176 18.4 16.5 24.7

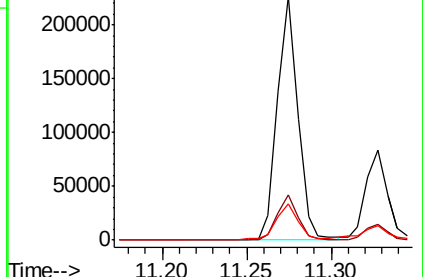
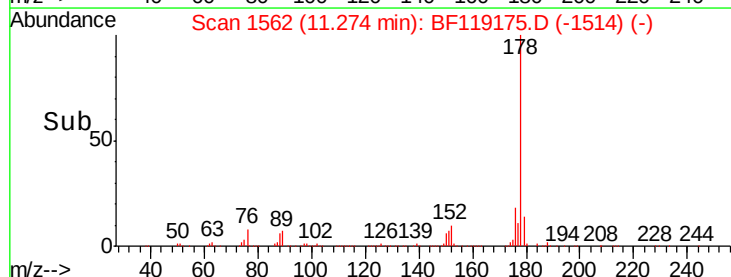
179 14.9 13.0 19.6

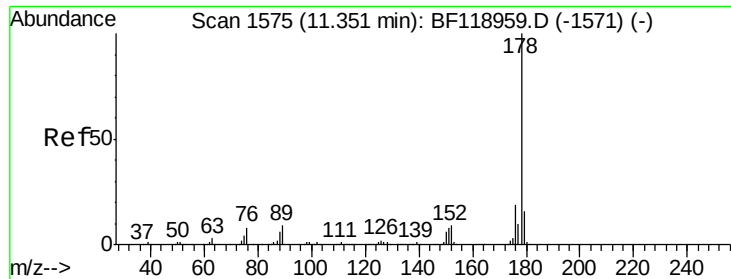


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

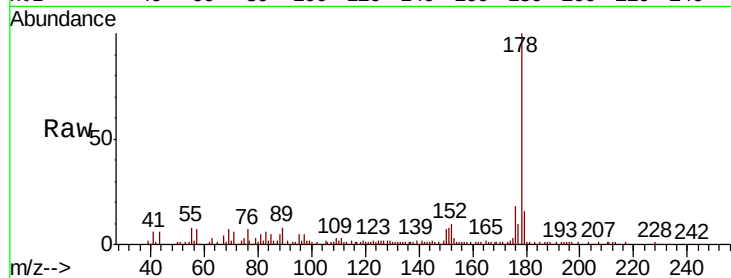




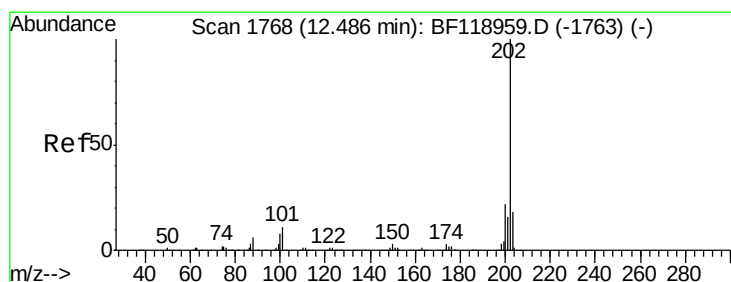
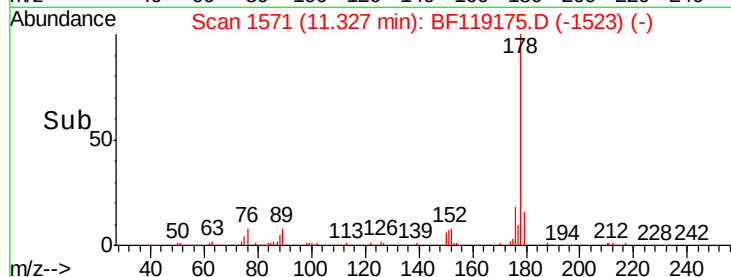
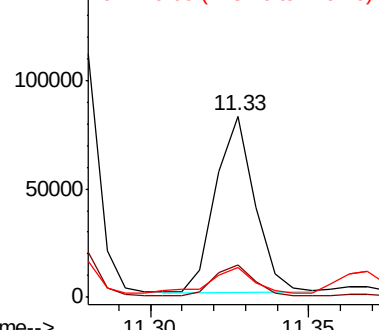
#72
 Anthracene
 Concen: 2.561 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.02 min
 Lab File: BF119175.D
 Acq: 2 Mar 2020 18:22

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:178 Resp: 69890
 Ion Ratio Lower Upper
 178 100
 176 17.9 16.0 24.0
 179 16.2 13.1 19.7

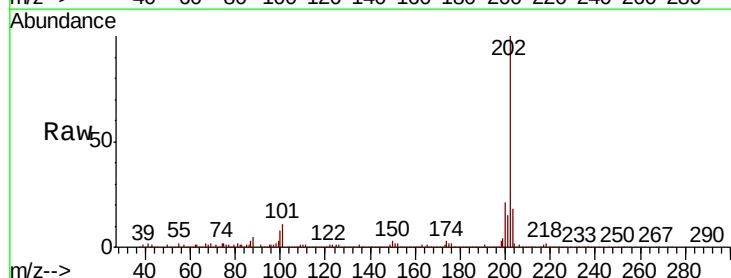


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

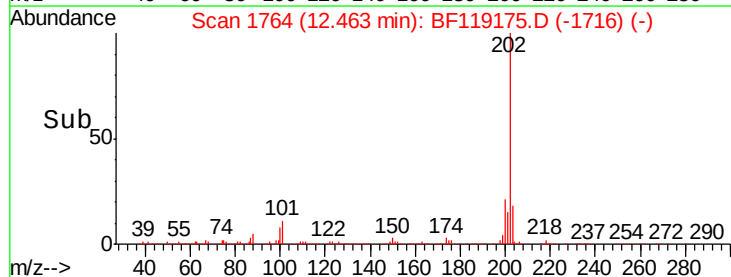
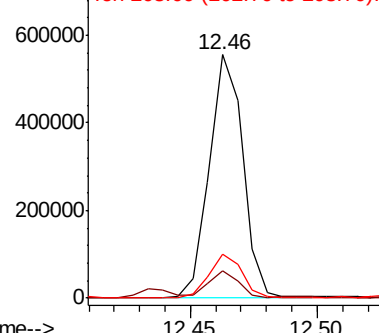


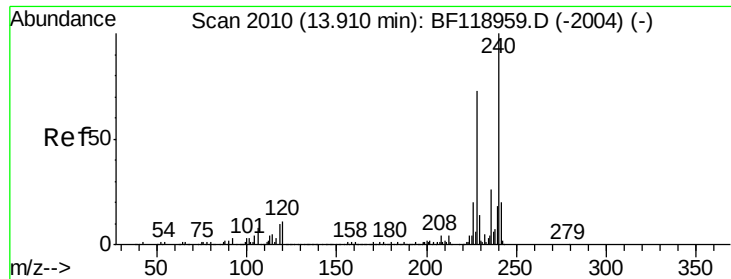
#75
 Fluoranthene
 Concen: 17.566 ng
 RT: 12.46 min Scan# 1764
 Delta R.T. -0.02 min
 Lab File: BF119175.D
 Acq: 2 Mar 2020 18:22

Tgt Ion:202 Resp: 509355
 Ion Ratio Lower Upper
 202 100
 101 11.2 0.0 30.3
 203 18.1 0.0 38.4



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

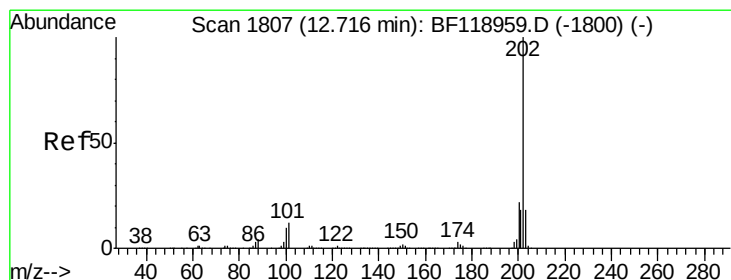
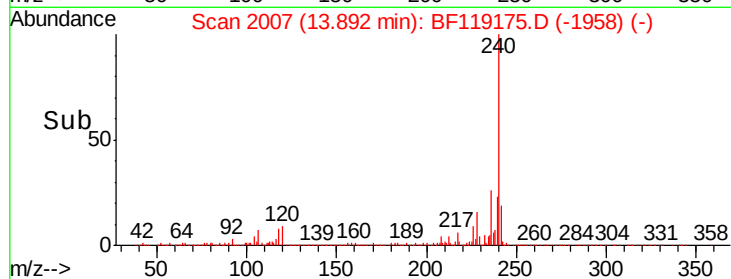
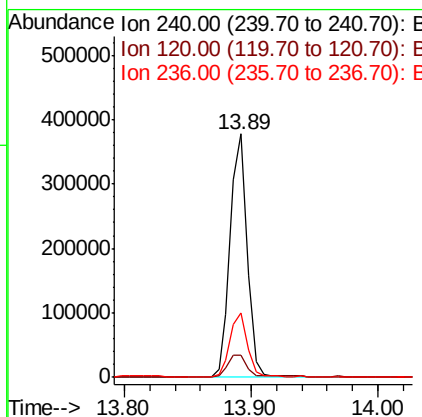
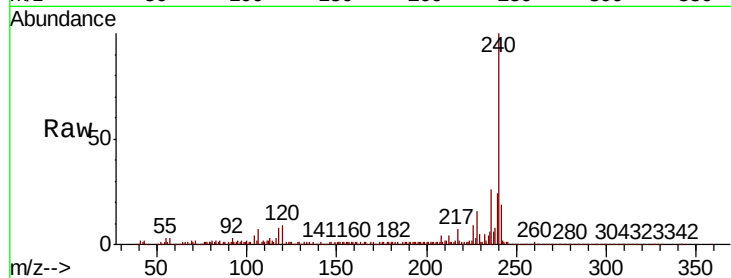




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF119175.D
Acq: 2 Mar 2020 18:22

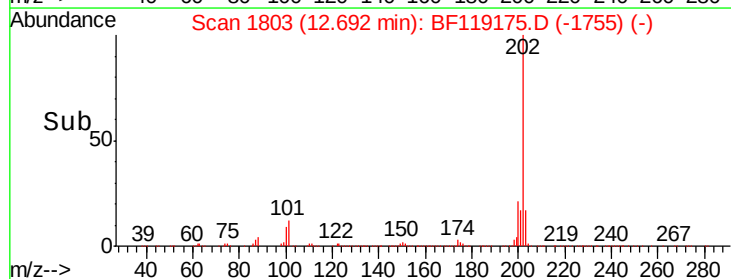
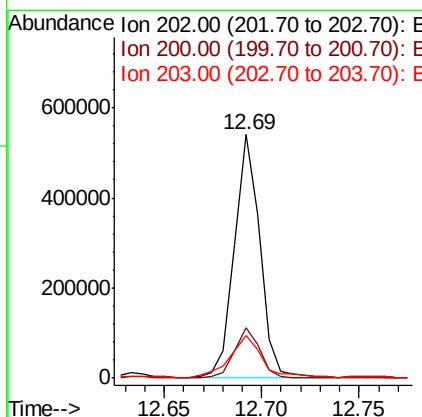
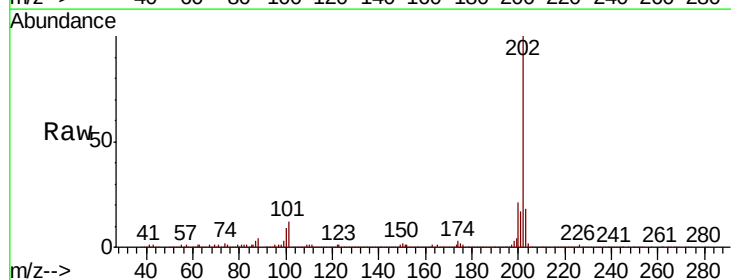
Instrument :
BNA_F
ClientSampled :

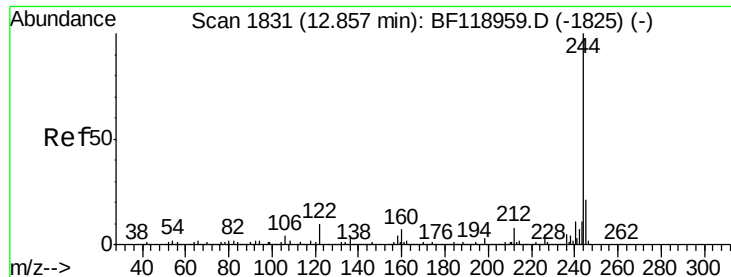
Tot Ion	Ratio	Lower	Upper
240	100		
120	9.1	8.4	12.6
236	26.4	21.0	31.4



#78
Pyrene
Concen: 17.406 ng
RT: 12.69 min Scan# 1803
Delta R.T. -0.02 min
Lab File: BF119175.D
Acq: 2 Mar 2020 18:22

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	18.0	27.0
203	17.8	14.6	22.0



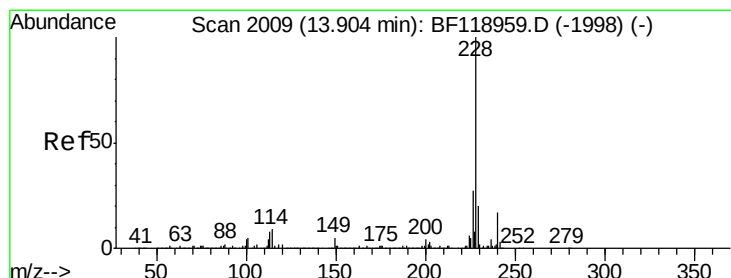
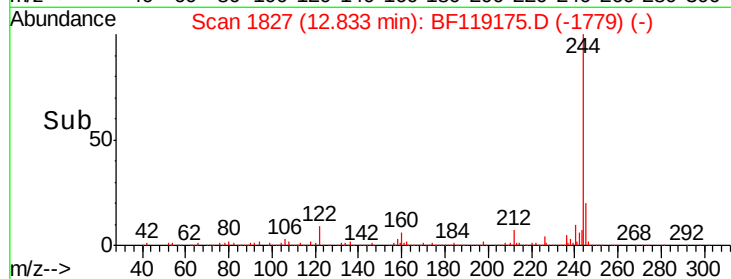
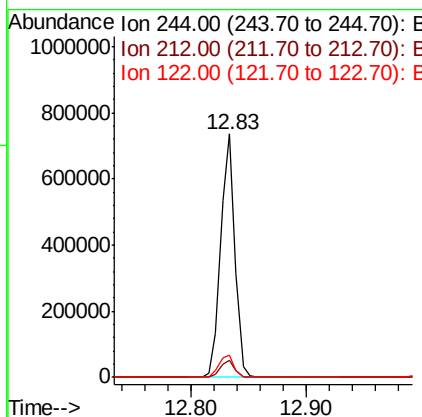
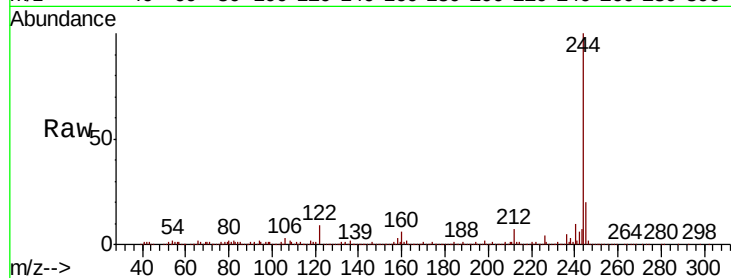


#79
 Terphenyl-d14
 Concen: 31.177 ng
 RT: 12.83 min Scan# 1827
 Delta R.T. -0.02 min
 Lab File: BF119175.D
 Acq: 2 Mar 2020 18:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 630378

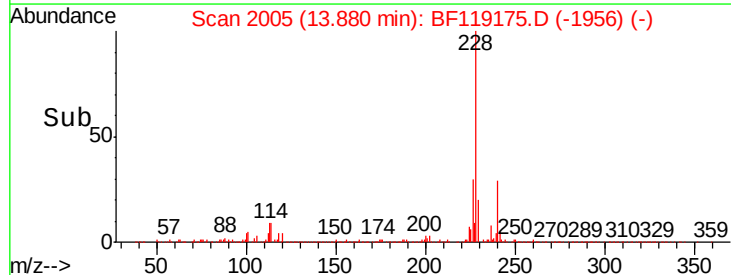
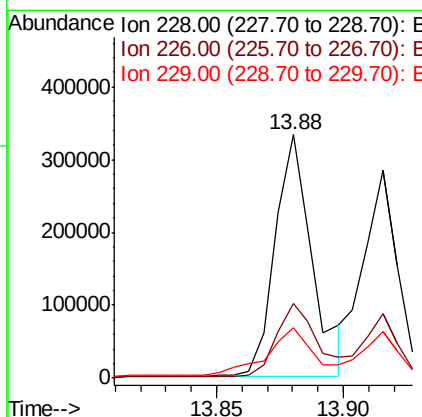
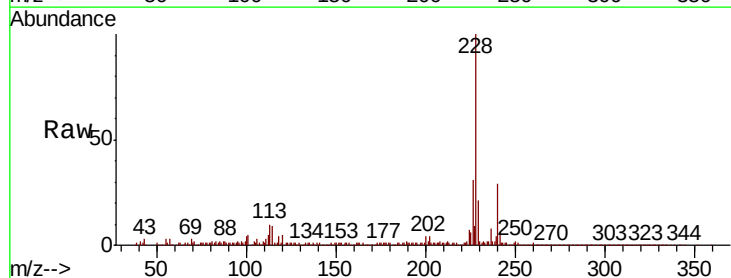
Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.6	10.0
122	8.9	8.2	12.2

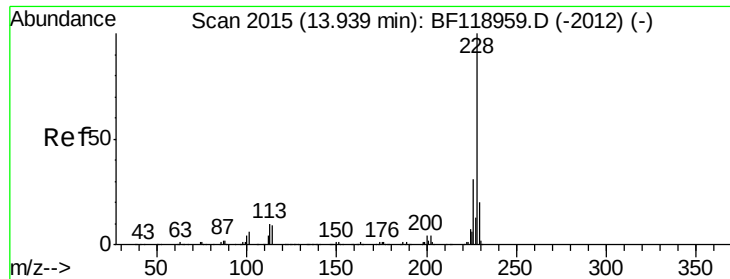


#81
 Benzo(a)anthracene
 Concen: 14.289 ng
 RT: 13.88 min Scan# 2005
 Delta R.T. -0.01 min
 Lab File: BF119175.D
 Acq: 2 Mar 2020 18:22

Tgt Ion:228 Resp: 338914

Ion	Ratio	Lower	Upper
228	100		
226	30.9	22.6	33.8
229	20.8	16.6	24.8

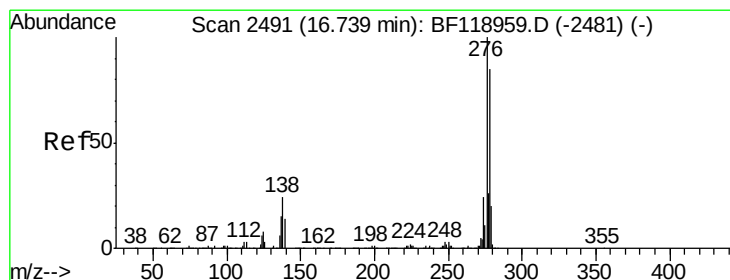
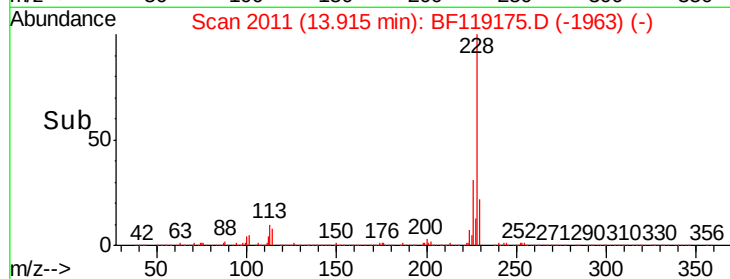
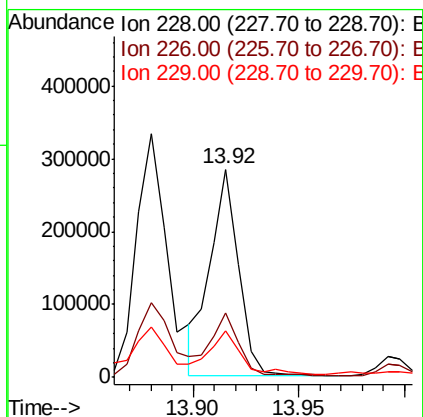
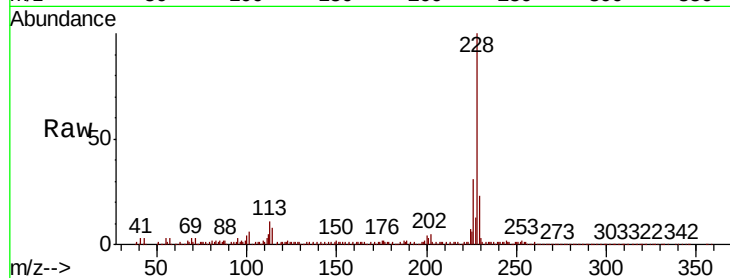




#83
Chrysene
Concen: 11.362 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.02 min
Lab File: BF119175.D
Acq: 2 Mar 2020 18:22

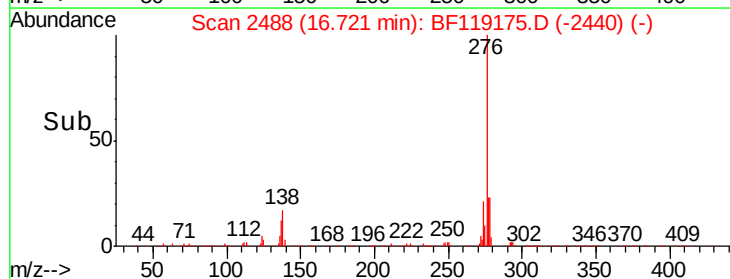
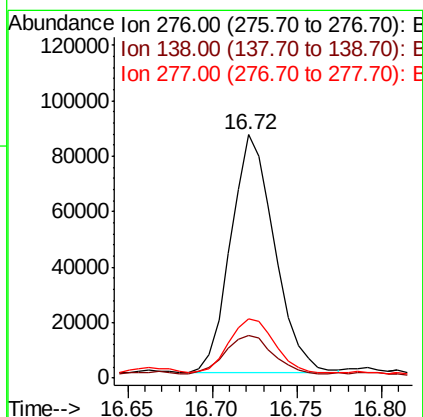
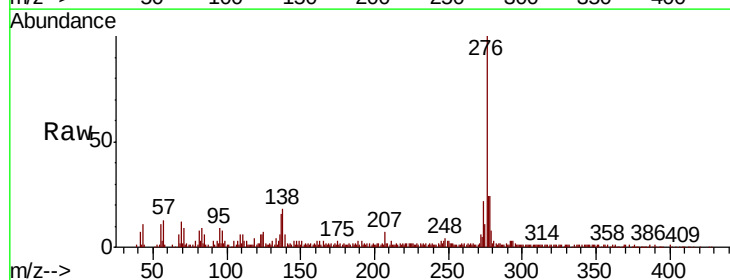
Instrument :
BNA_F
ClientSampleId :

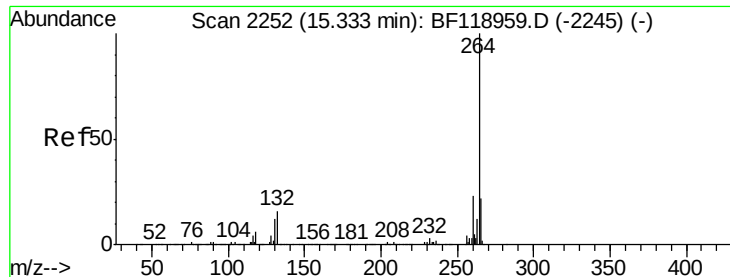
Tot Ion:228	Resp:	268536
Ion	Ratio	Lower Upper
228	100	
226	31.0	25.1 37.7
229	22.6	16.3 24.5



#86
Indeno(1,2,3-cd)pyrene
Concen: 6.740 ng
RT: 16.72 min Scan# 2488
Delta R.T. -0.02 min
Lab File: BF119175.D
Acq: 2 Mar 2020 18:22

Tgt Ion:276	Resp:	154232
Ion	Ratio	Lower Upper
276	100	
138	18.5	17.4 26.0
277	24.6	20.3 30.5





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.32 min Scan# 2249

Delta R.T. -0.01 min

Lab File: BF119175.D

Acq: 2 Mar 2020 18:22

Instrument :

BNA_F

ClientSampleId :

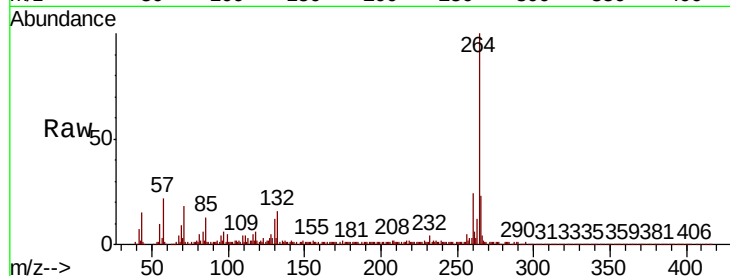
Tot Ion:264 Resp: 348495

Ion Ratio Lower Upper

264 100

260 24.1 19.4 29.2

265 22.6 17.7 26.5

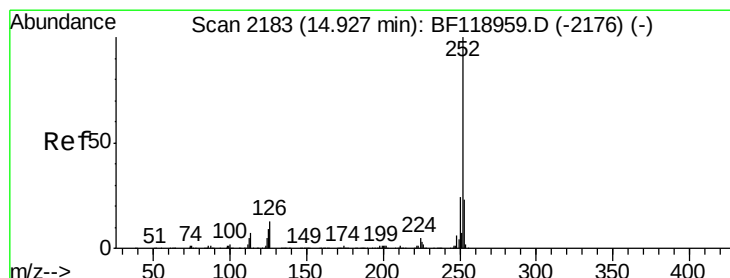
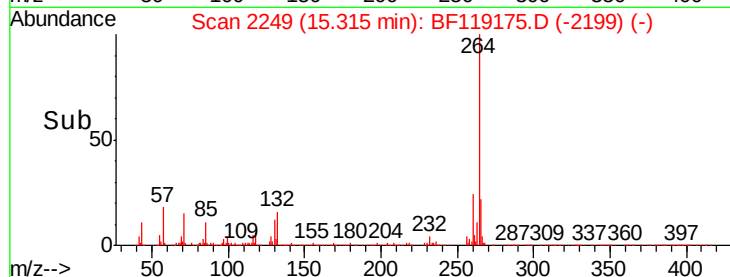
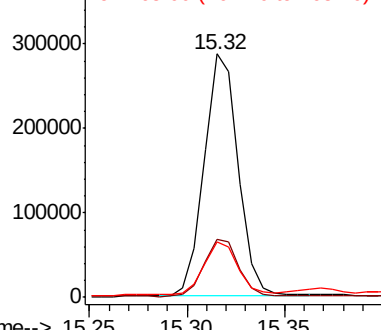


Abundance

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: 25.848 ng

RT: 14.91 min Scan# 2180

Delta R.T. -0.01 min

Lab File: BF119175.D

Acq: 2 Mar 2020 18:22

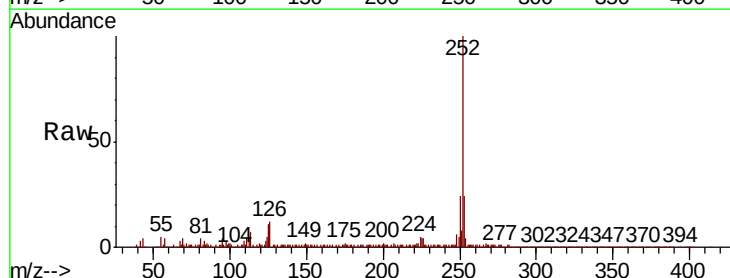
Tgt Ion:252 Resp: 593740

Ion Ratio Lower Upper

252 100

253 24.3 18.1 27.1

125 10.7 7.4 11.0

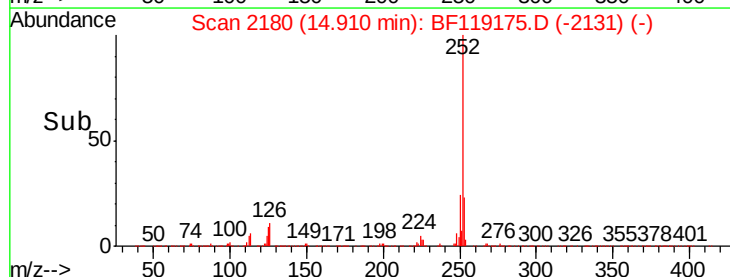
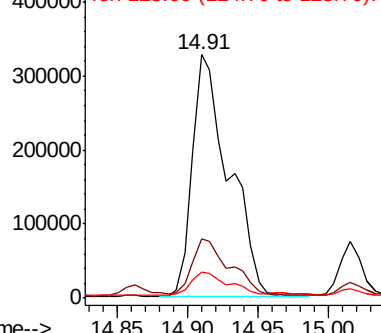


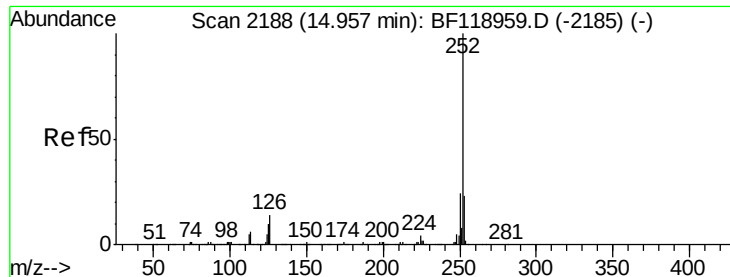
Abundance

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: 27.891 ng

RT: 14.91 min Scan# 2180

Delta R.T. -0.04 min

Lab File: BF119175.D

Acq: 2 Mar 2020 18:22

Instrument :

BNA_F

ClientSampleId :

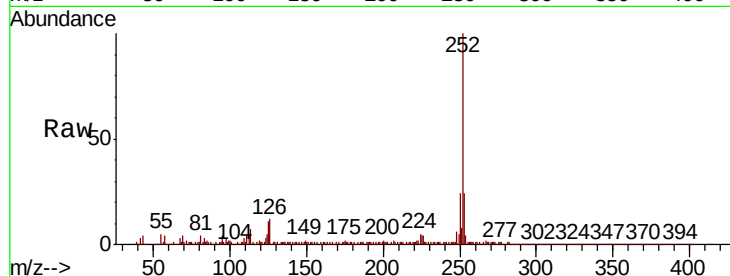
Tot Ion:252 Resp: 593740

Ion Ratio Lower Upper

252 100

253 24.3 17.8 26.8

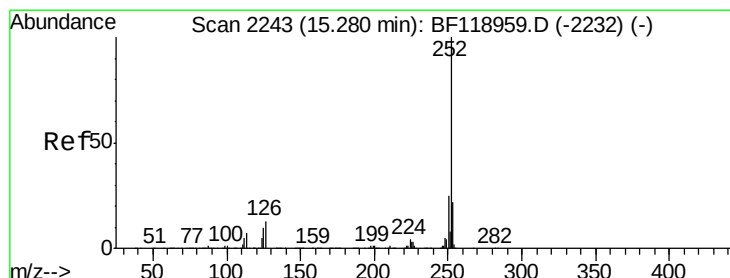
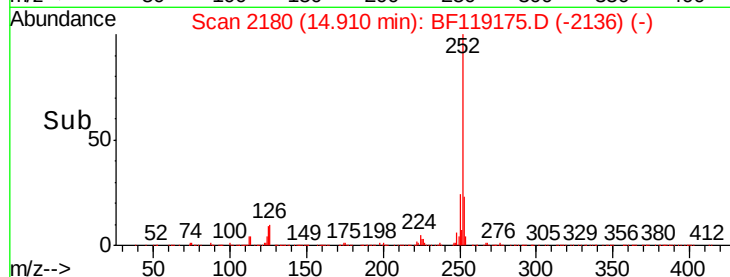
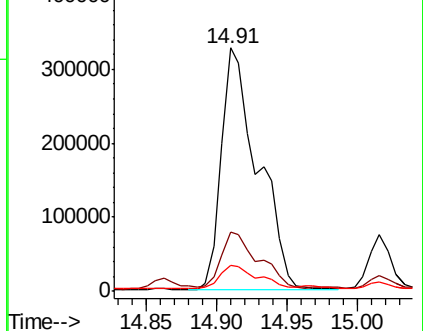
125 10.7 7.5 11.3



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: 14.653 ng

RT: 15.26 min Scan# 2239

Delta R.T. -0.01 min

Lab File: BF119175.D

Acq: 2 Mar 2020 18:22

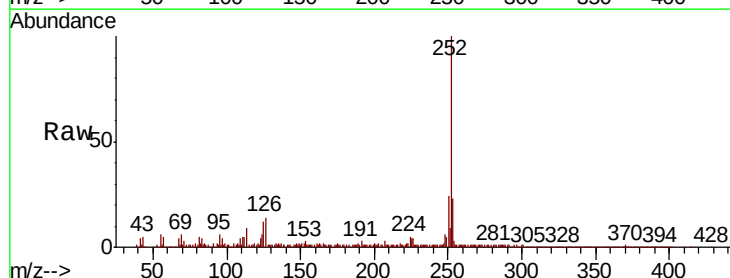
Tgt Ion:252 Resp: 303776

Ion Ratio Lower Upper

252 100

253 23.3 18.0 27.0

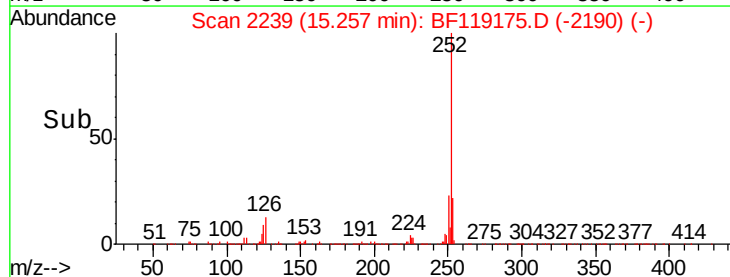
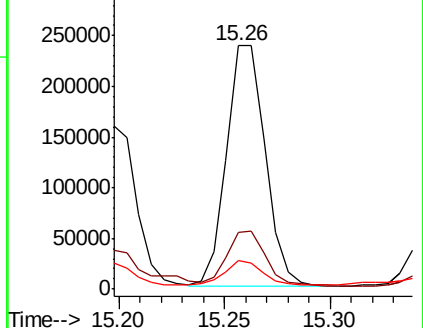
125 11.6 8.6 12.8

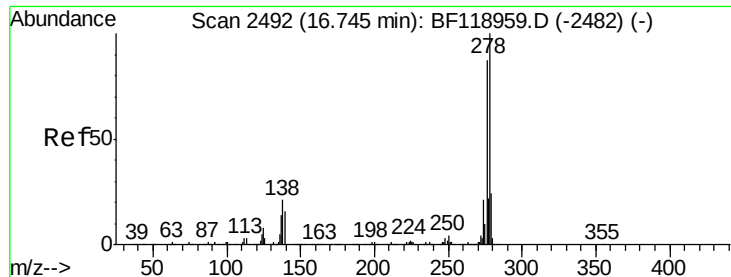


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 2.344 ng

RT: 16.72 min Scan# 2488

Delta R.T. -0.02 min

Lab File: BF119175.D

Acq: 2 Mar 2020 18:22

Instrument :

BNA_F

ClientSampled :

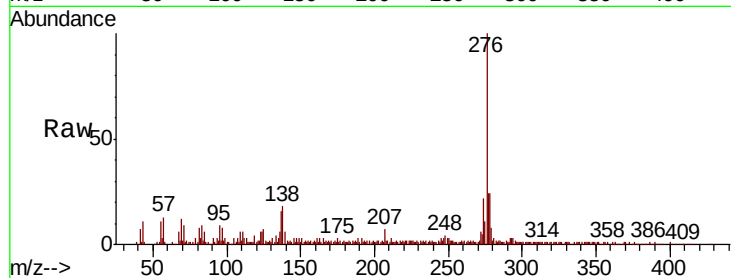
Tot Ion:278 Resp: 42759

Ion Ratio Lower Upper

278 100

139 23.9 11.0 16.4#

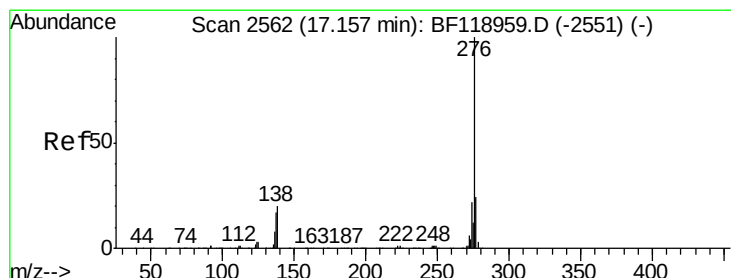
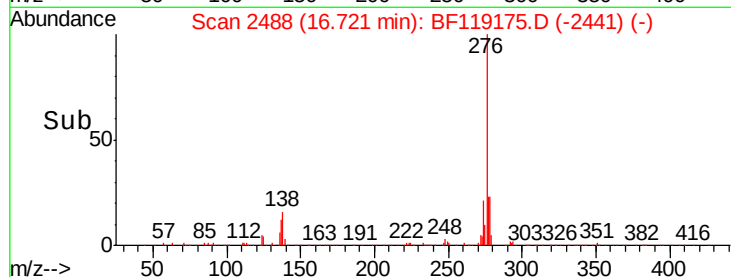
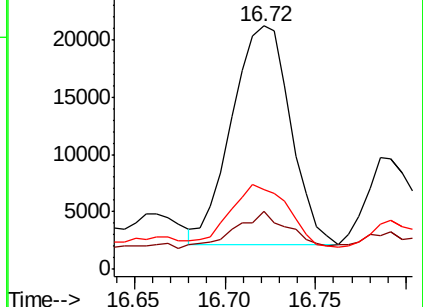
279 33.0 18.6 28.0#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 7.551 ng

RT: 17.15 min Scan# 2561

Delta R.T. -0.01 min

Lab File: BF119175.D

Acq: 2 Mar 2020 18:22

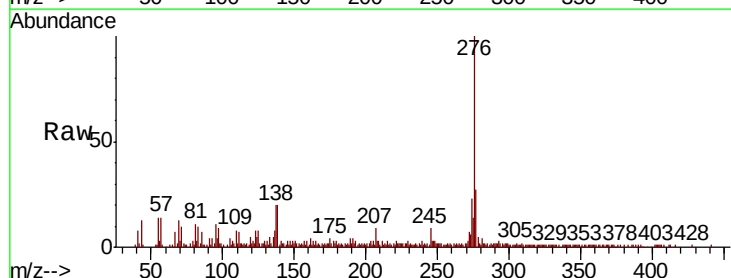
Tgt Ion:276 Resp: 136099

Ion Ratio Lower Upper

276 100

277 26.6 18.7 28.1

138 19.8 14.3 21.5



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

