

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
 Data File : BF117597.D
 Acq On : 29 Oct 2019 18:04
 Operator : JU
 Sample : K5541-13 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 30 03:32:07 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	41512	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	144489	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	57918	20.00	ng	-0.01
64) Phenanthrene-d10	11.24	188	91462	20.00	ng	0.00
76) Chrysene-d12	13.89	240	82950	20.00	ng	0.00
87) Perylene-d12	15.33	264	60663	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.36	112	96832	34.70	ng	0.00
7) Phenol-d6	6.40	99	126299	33.70	ng	0.02
23) Nitrobenzene-d5	7.30	82	76164	26.02	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	15977	31.88	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	110609	26.91	ng	-0.01
79) Terphenyl-d14	12.83	244	104842	20.62	ng	0.00

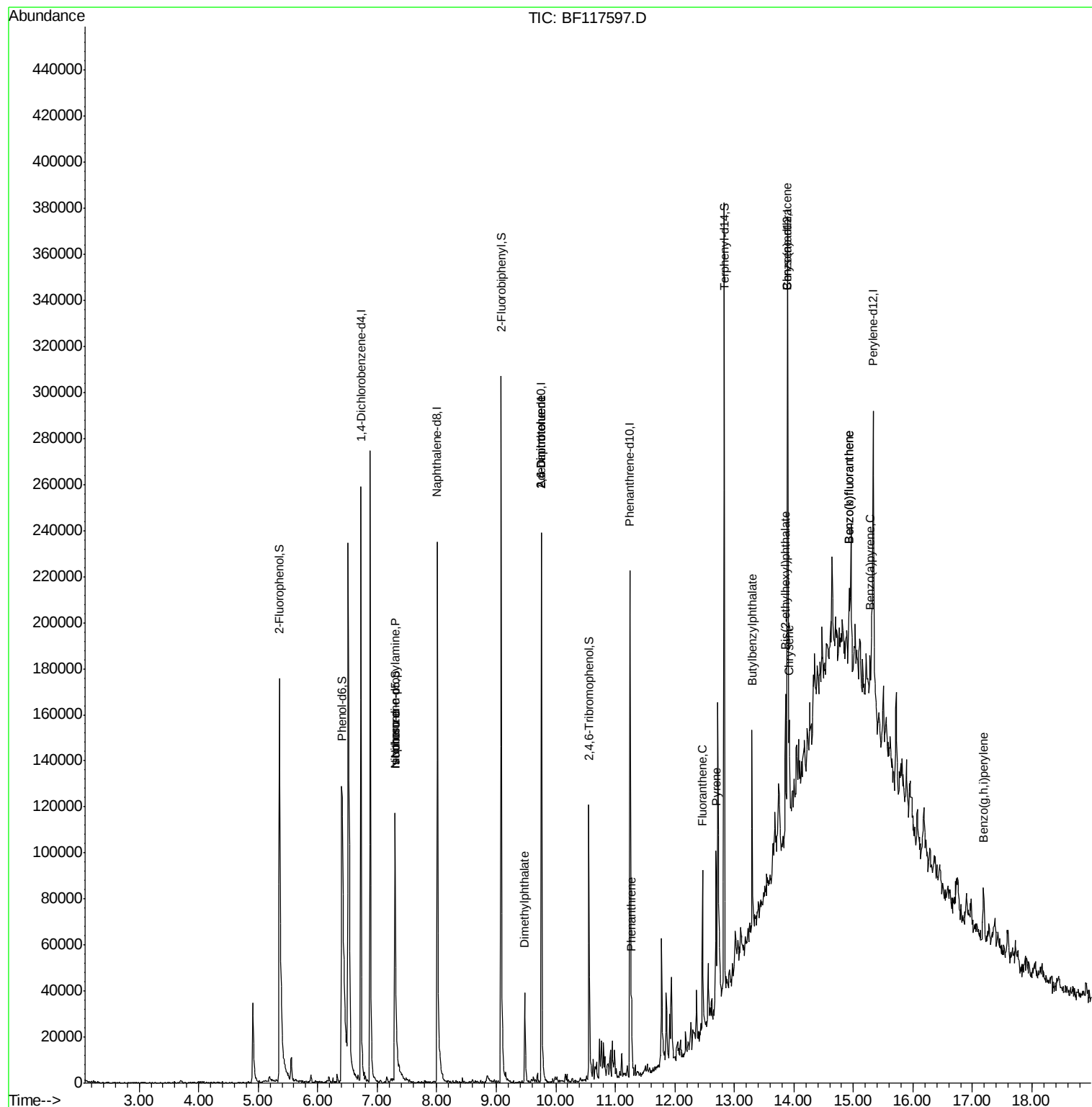
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.33	77	128	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.30	70	8997	3.931	ng	# 79
25) Isophorone	7.30	82	76164	15.043	ng	# 65
50) Dimethylphthalate	9.48	163	18713	4.532	ng	# 97
51) 2,6-Dinitrotoluene	9.76	165	7376	8.561	ng	# 22
57) 2,4-Dinitrotoluene	9.76	165	7376	6.439	ng	# 12
71) Phenanthrene	11.27	178	11535	2.172	ng	# 96
75) Fluoranthene	12.46	202	29582	5.564	ng	# 99
77) Benzidine	12.72	184	151	Below Cal	#	1
78) Pyrene	12.69	202	28795	4.041	ng	# 98
80) Butylbenzylphthalate	13.30	149	17817	5.025	ng	# 98
81) Benzo(a)anthracene	13.89	228	13607	2.432	ng	# 99
83) Chrysene	13.92	228	13906	2.536	ng	# 97
84) Bis(2-ethylhexyl)phthalate	13.86	149	19784	3.983	ng	# 98
88) Benzo(b)fluoranthene	14.93	252	23145	6.461	ng	# 87
89) Benzo(k)fluoranthene	14.93	252	23145	6.304	ng	# 86
90) Benzo(a)pyrene	15.28	252	9832	3.019	ng	# 65
92) Benzo(g,h,i)perylene	17.19	276	8753	3.285	ng	# 76

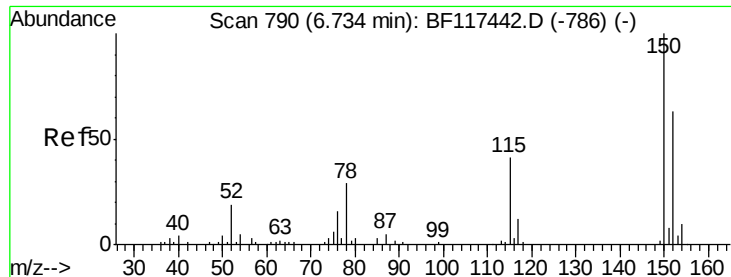
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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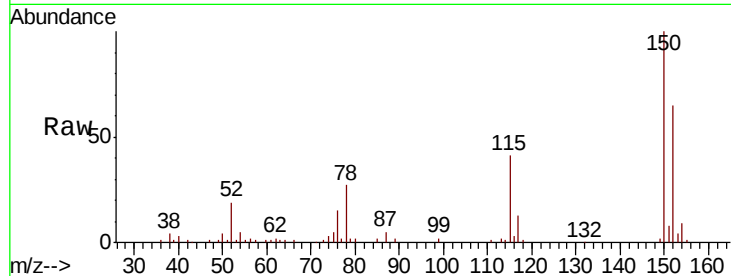


#1

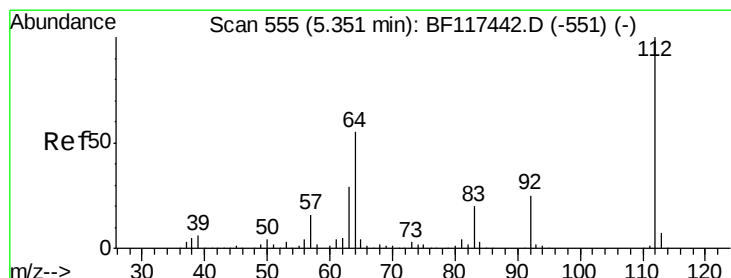
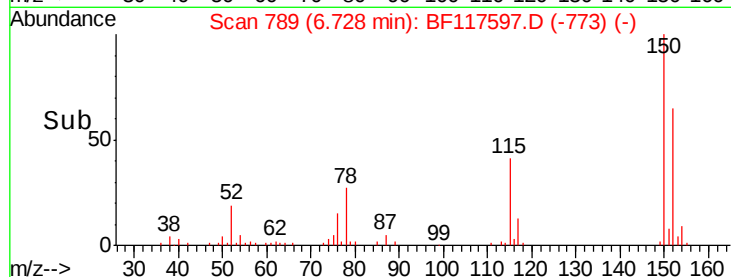
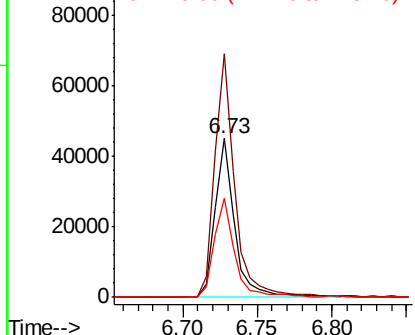
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117597.D
Acq: 29 Oct 2019 18:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 41512
Ion Ratio Lower Upper
152 100
150 153.6 126.8 190.2
115 62.3 51.6 77.4



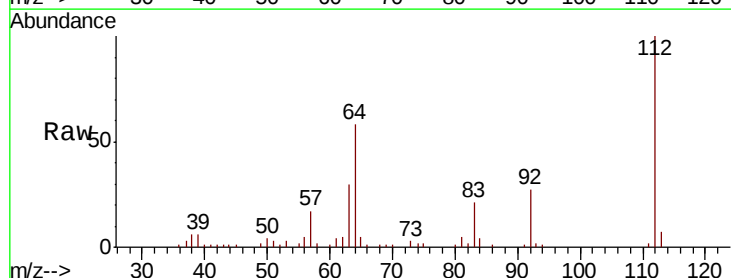
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



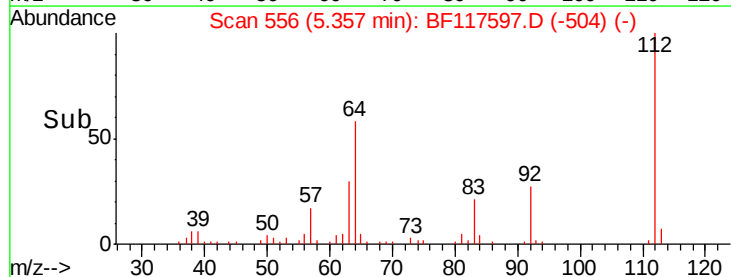
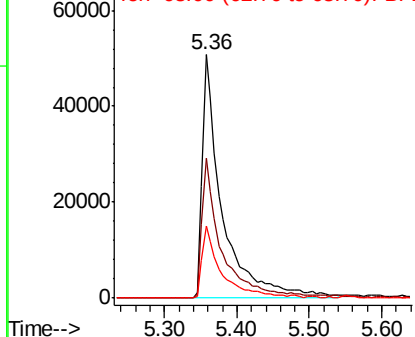
#5

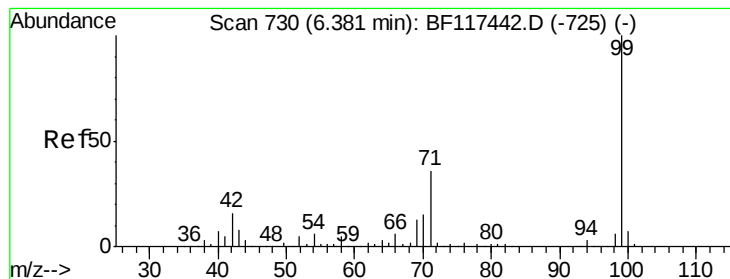
2-Fluorophenol
Concen: 34.703 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF117597.D
Acq: 29 Oct 2019 18:04

Tgt Ion:112 Resp: 96832
Ion Ratio Lower Upper
112 100
64 57.7 44.1 66.1
63 29.8 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: 33.700 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.02 min

Lab File: BF117597.D

Acq: 29 Oct 2019 18:04

Instrument :

BNA_F

ClientSampleId :

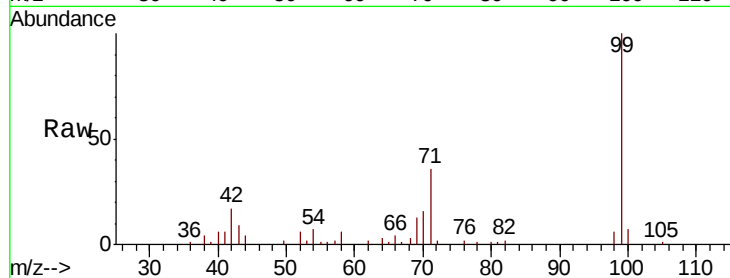
Tot Ion: 99 Resp: 126299

Ion Ratio Lower Upper

99 100

42 16.9 12.8 19.2

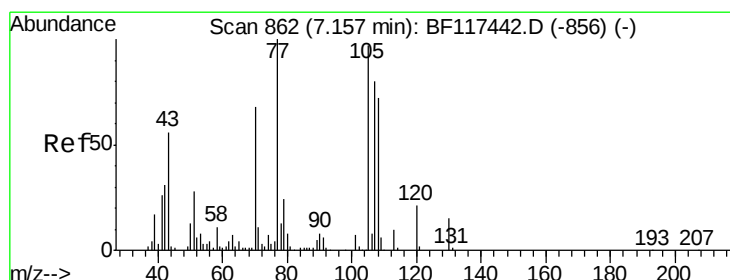
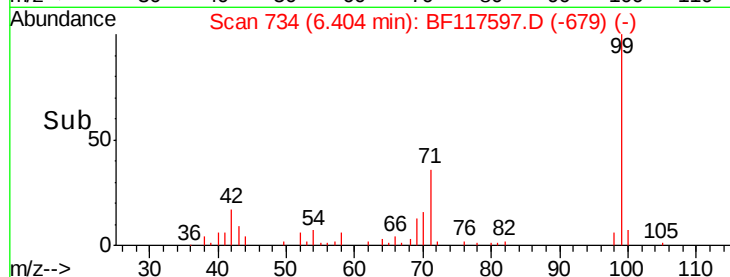
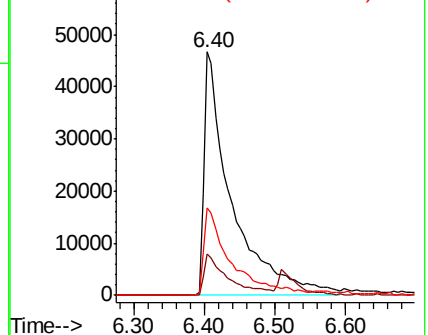
71 36.1 28.6 43.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 3.931 ng

RT: 7.30 min Scan# 886

Delta R.T. 0.14 min

Lab File: BF117597.D

Acq: 29 Oct 2019 18:04

Tgt Ion: 70 Resp: 8997

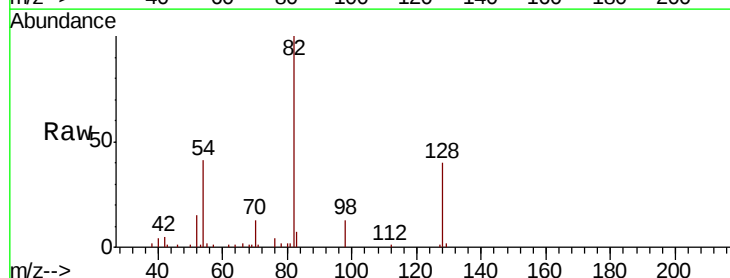
Ion Ratio Lower Upper

70 100

42 41.2 36.7 55.1

101 0.0 8.3 12.5#

130 0.0 18.1 27.1#

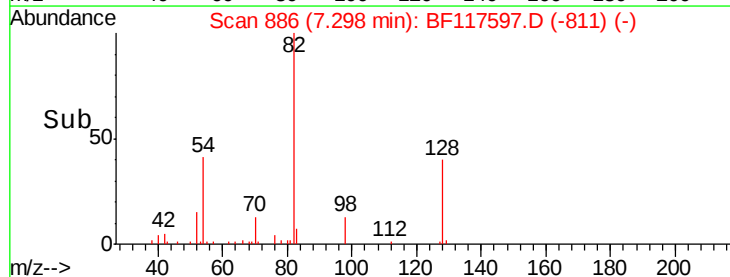
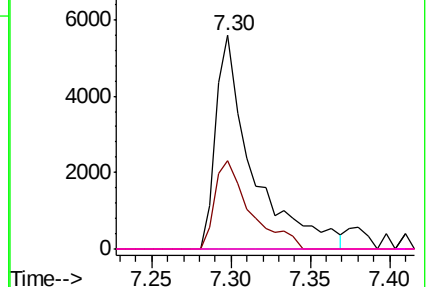


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

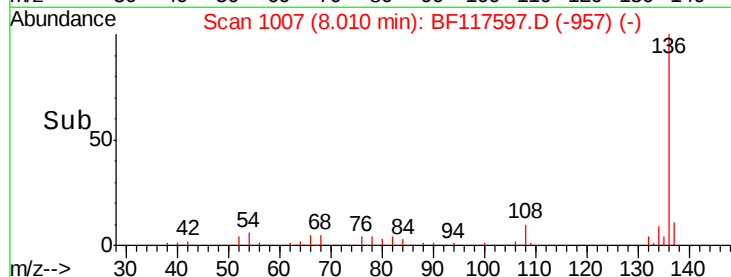
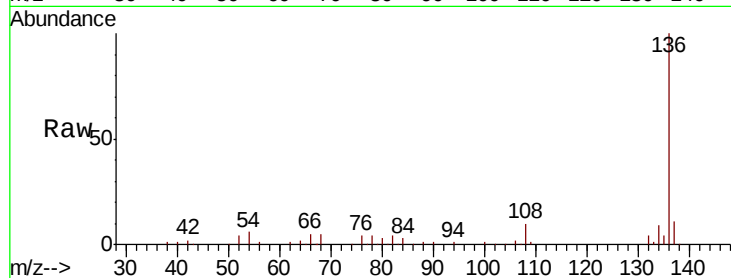




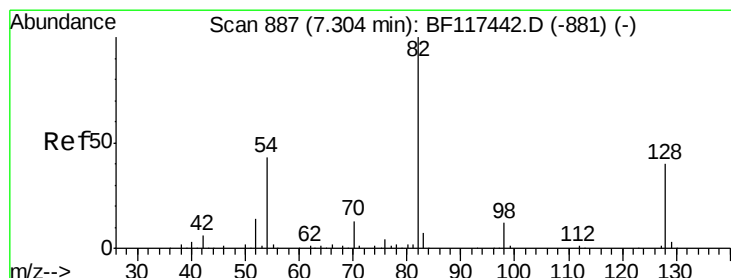
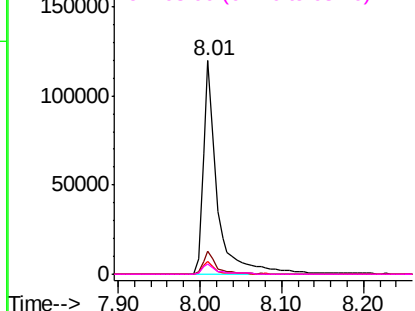
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117597.D
Acq: 29 Oct 2019 18:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	144489
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.2	12.4
54	5.9	4.5	6.7
68	5.0	4.3	6.5

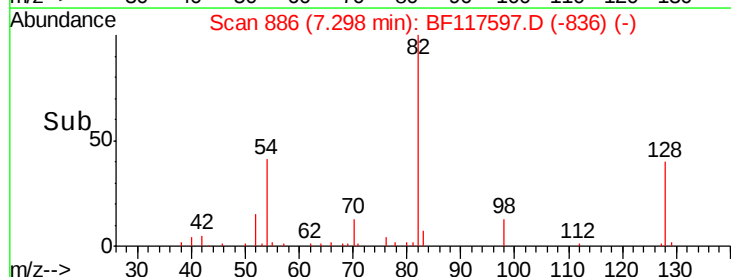
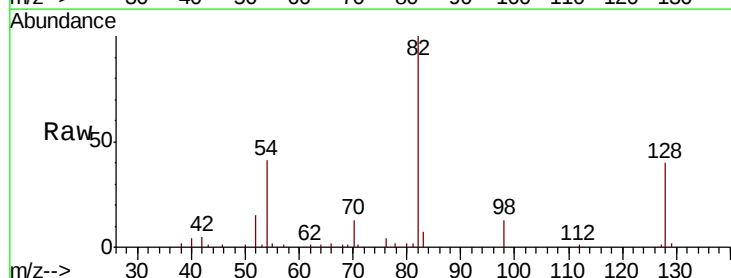


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

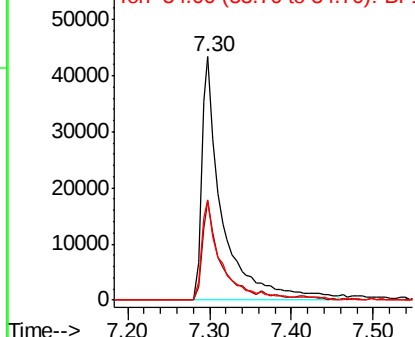


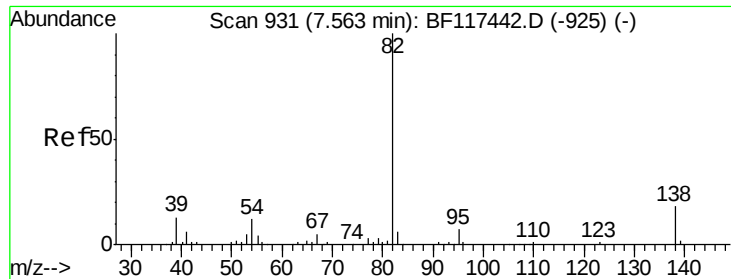
#23
Nitrobenzene-d5
Concen: 26.023 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF117597.D
Acq: 29 Oct 2019 18:04

Tgt Ion:	82	Resp:	76164
Ion	Ratio	Lower	Upper
82	100		
128	40.5	32.2	48.2
54	41.1	34.2	51.2



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





#25

Isophorone

Concen: 15.043 ng

RT: 7.30 min Scan# 886

Delta R.T. -0.26 min

Lab File: BF117597.D

Acq: 29 Oct 2019 18:04

Instrument :

BNA_F

ClientSampleId :

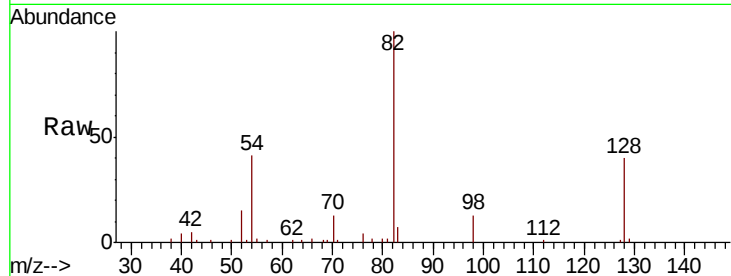
Tot Ion: 82 Resp: 76164

Ion Ratio Lower Upper

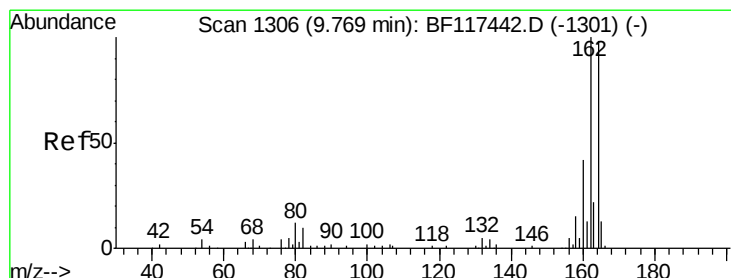
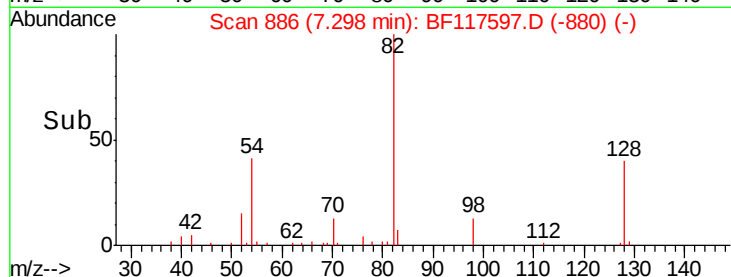
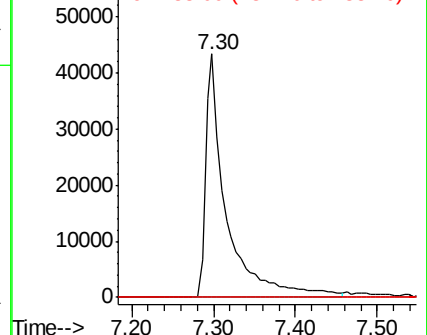
82 100

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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF117597.D

Acq: 29 Oct 2019 18:04

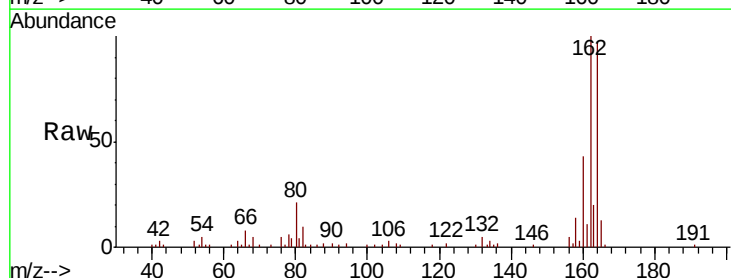
Tgt Ion:164 Resp: 57918

Ion Ratio Lower Upper

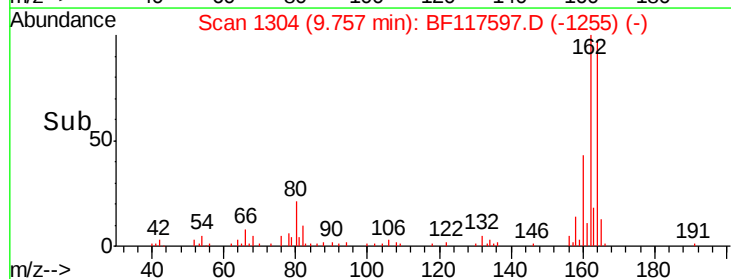
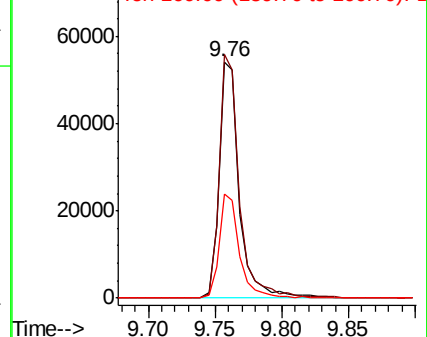
164 100

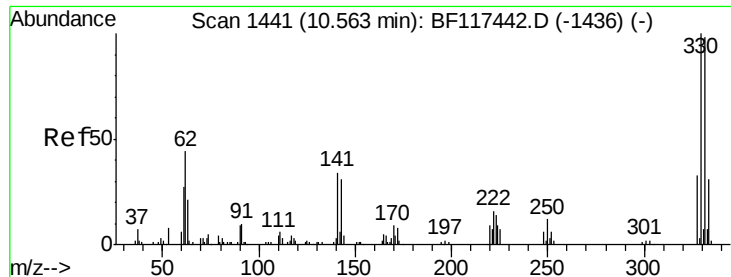
162 103.2 81.8 122.6

160 44.2 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: 31.881 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.01 min

Lab File: BF117597.D

Acq: 29 Oct 2019 18:04

Instrument :

BNA_F

ClientSampleId :

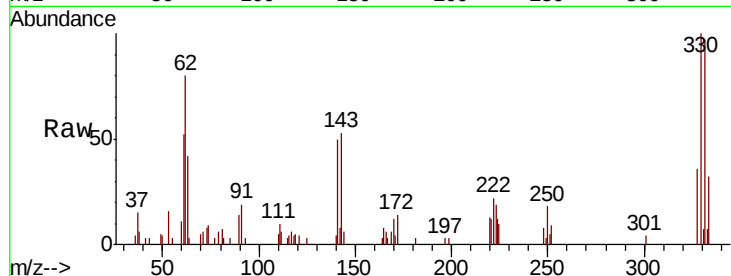
Tot Ion:330 Resp: 15977

Ion Ratio Lower Upper

330 100

332 93.2 78.5 117.7

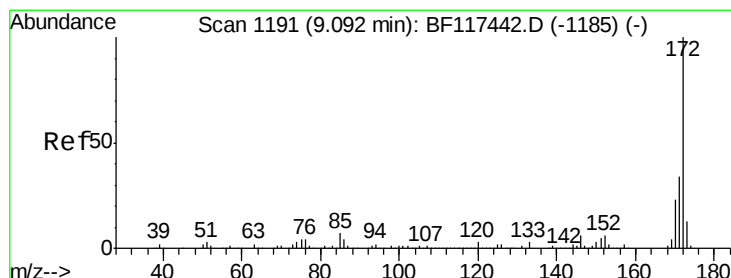
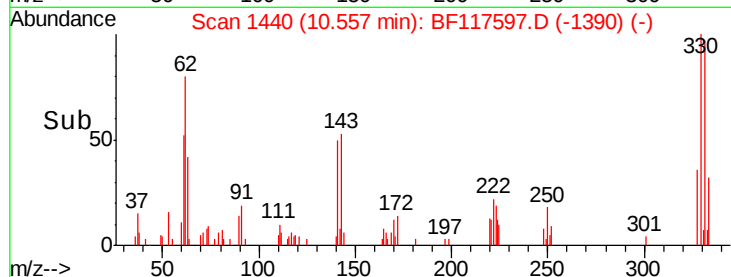
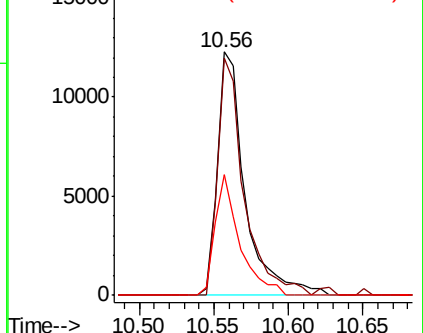
141 43.7 37.0 55.6



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: 26.908 ng

RT: 9.08 min Scan# 1189

Delta R.T. -0.01 min

Lab File: BF117597.D

Acq: 29 Oct 2019 18:04

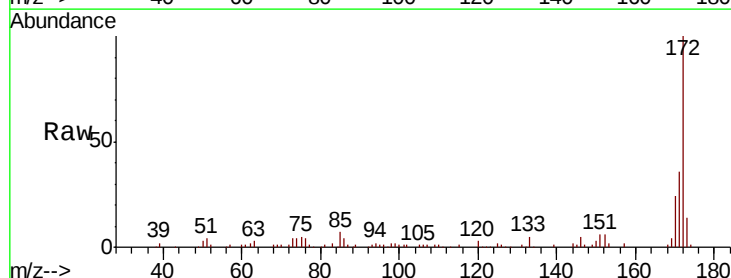
Tgt Ion:172 Resp: 110609

Ion Ratio Lower Upper

172 100

171 35.9 27.5 41.3

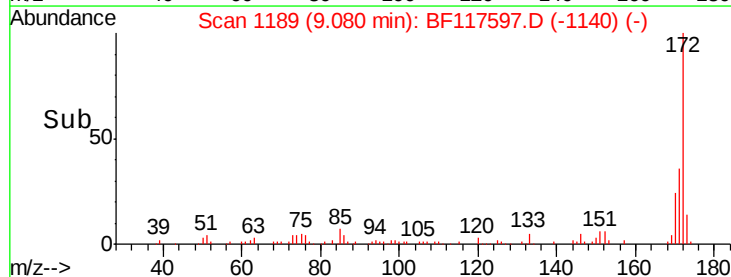
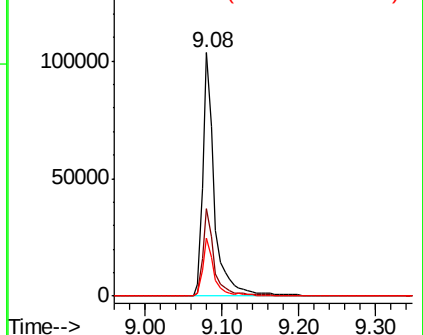
170 23.6 18.6 27.8

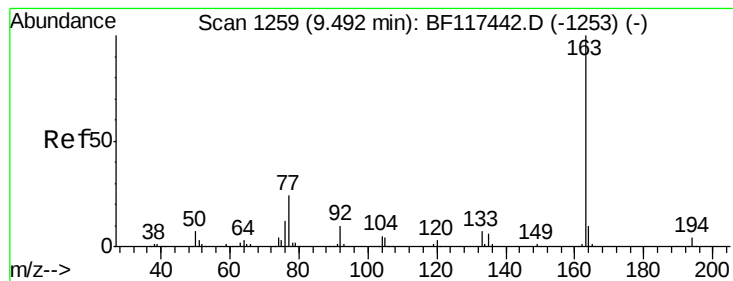


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 4.532 ng

RT: 9.48 min Scan# 1257

Delta R.T. -0.01 min

Lab File: BF117597.D

Acq: 29 Oct 2019 18:04

Instrument :

BNA_F

ClientSampleId :

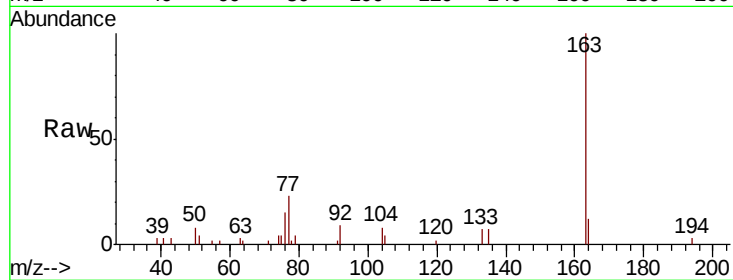
Tot Ion:163 Resp: 18713

Ion Ratio Lower Upper

163 100

194 3.2 2.9 4.3

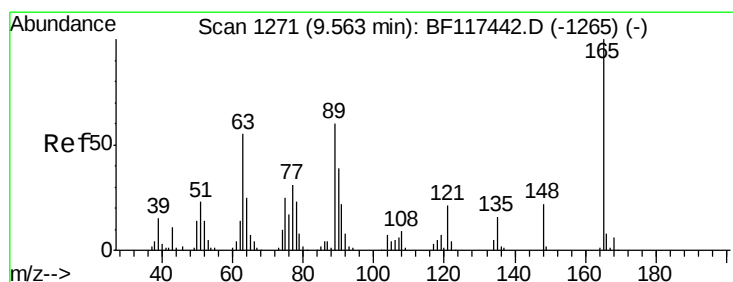
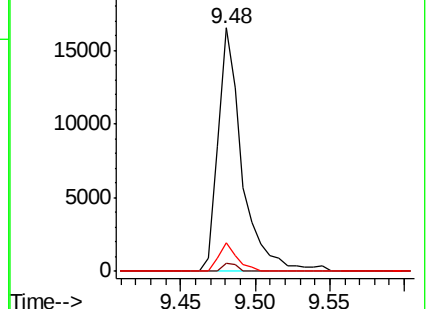
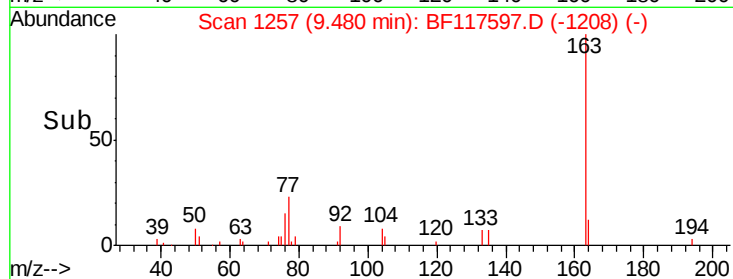
164 11.6 8.2 12.2



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: 8.561 ng

RT: 9.76 min Scan# 1304

Delta R.T. 0.19 min

Lab File: BF117597.D

Acq: 29 Oct 2019 18:04

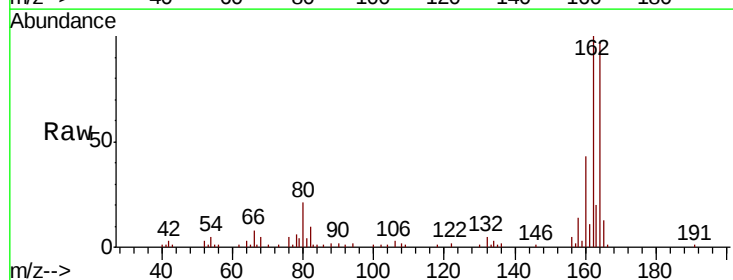
Tgt Ion:165 Resp: 7376

Ion Ratio Lower Upper

165 100

63 0.0 43.8 65.8#

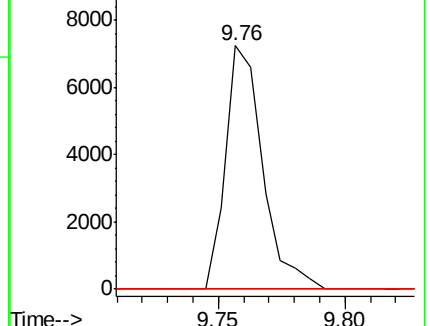
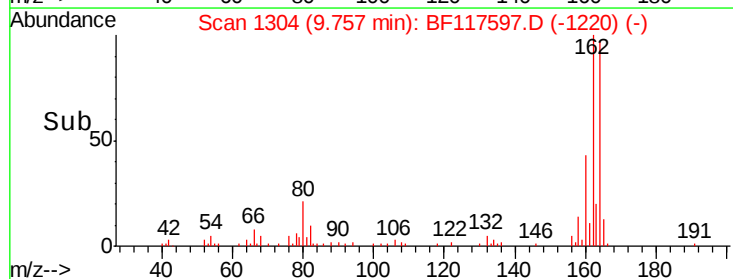
89 0.0 47.6 71.4#

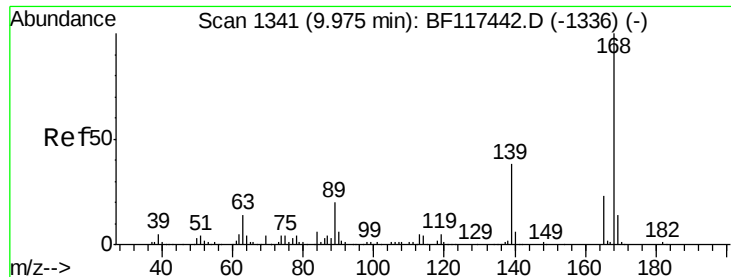


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

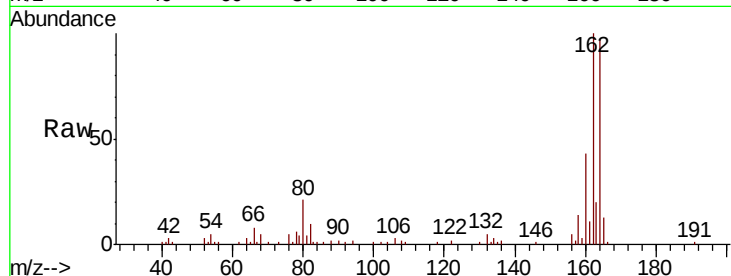




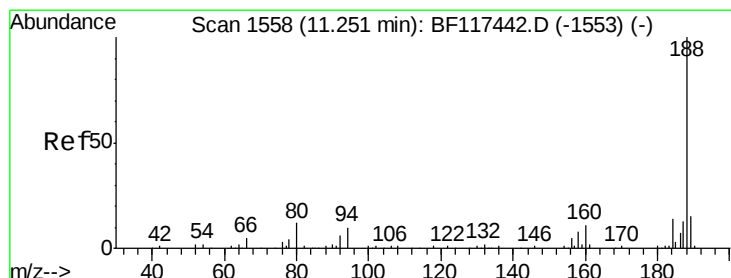
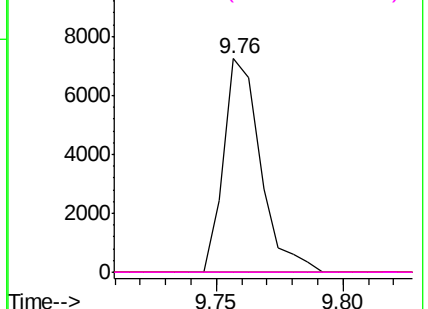
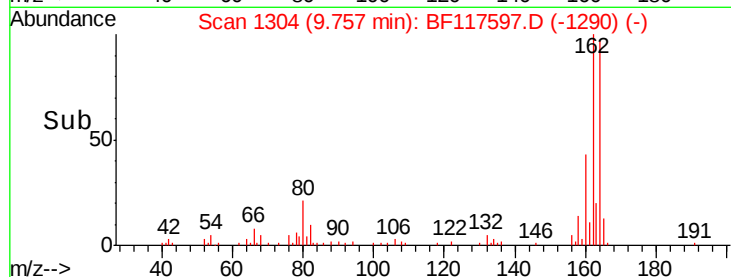
#57
 2,4-Dinitrotoluene
 Concen: 6.439 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.22 min
 Lab File: BF117597.D
 Acq: 29 Oct 2019 18:04

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:165 Resp: 7376
 Ion Ratio Lower Upper
 165 100
 63 0.0 51.4 77.0#
 89 0.0 69.9 104.9#
 182 0.0 1.9 2.9#

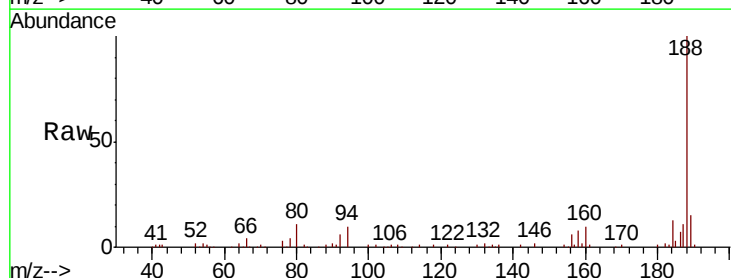


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

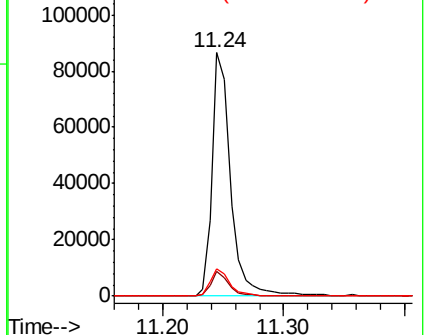
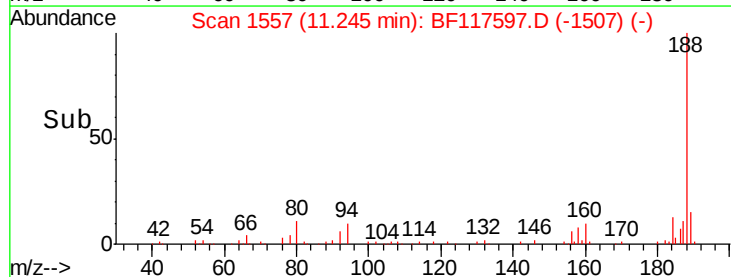


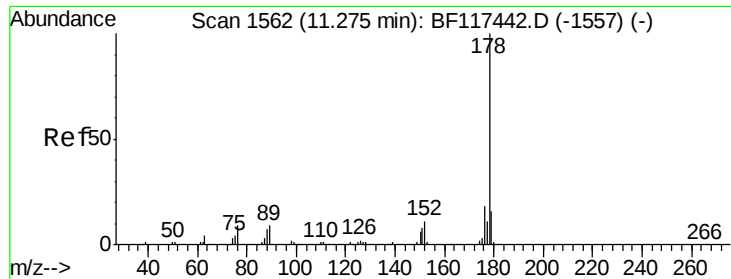
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: BF117597.D
 Acq: 29 Oct 2019 18:04

Tgt Ion:188 Resp: 91462
 Ion Ratio Lower Upper
 188 100
 94 10.1 8.0 12.0
 80 11.0 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

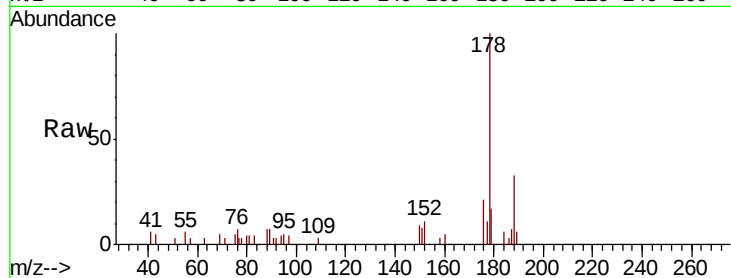




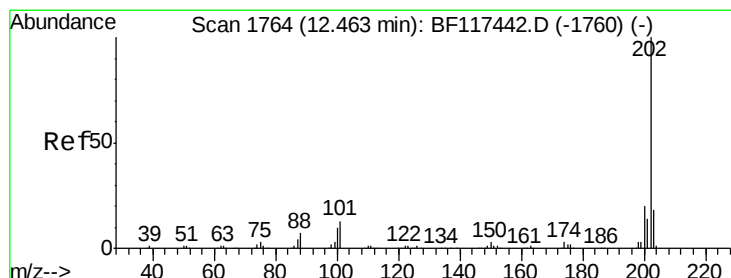
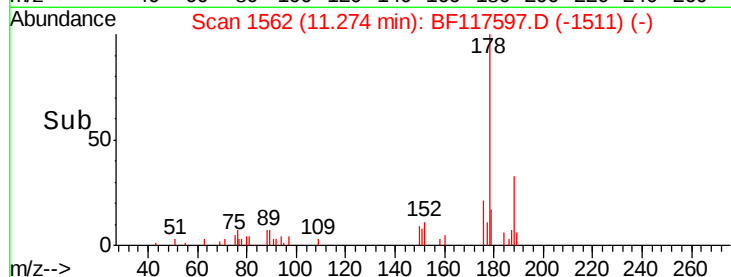
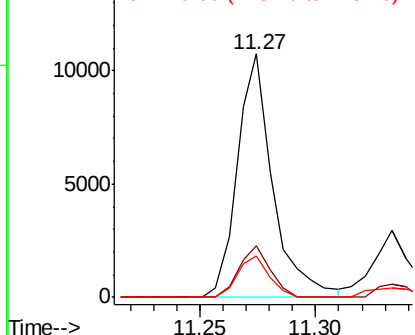
#71
Phenanthrene
Concen: 2.172 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BF117597.D
Acq: 29 Oct 2019 18:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 11535
Ion Ratio Lower Upper
178 100
176 21.0 14.6 22.0
179 16.9 12.6 19.0

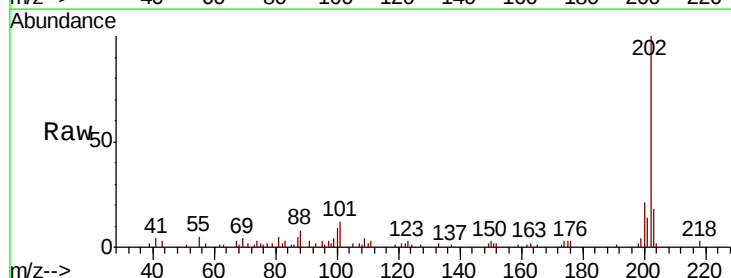


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

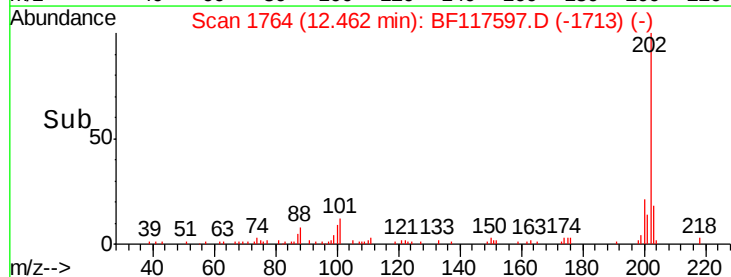
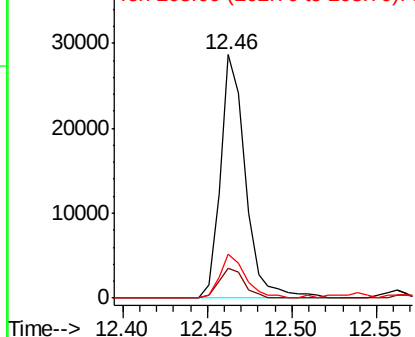


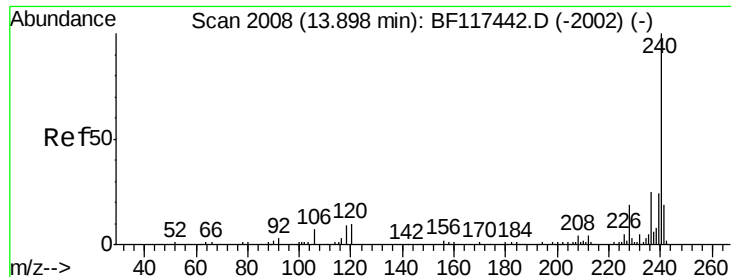
#75
Fluoranthene
Concen: 5.564 ng
RT: 12.46 min Scan# 1764
Delta R.T. -0.00 min
Lab File: BF117597.D
Acq: 29 Oct 2019 18:04

Tgt Ion:202 Resp: 29582
Ion Ratio Lower Upper
202 100
101 12.2 0.0 32.7
203 17.9 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

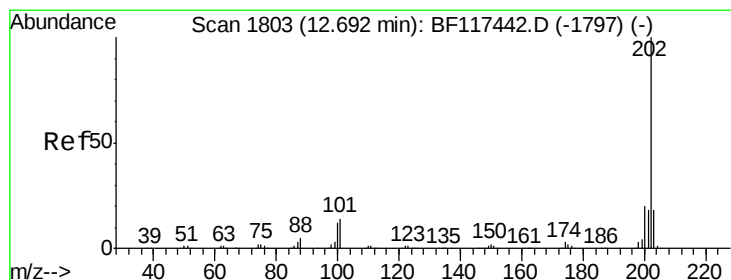
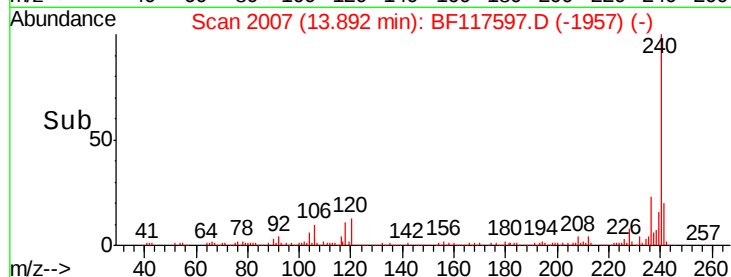
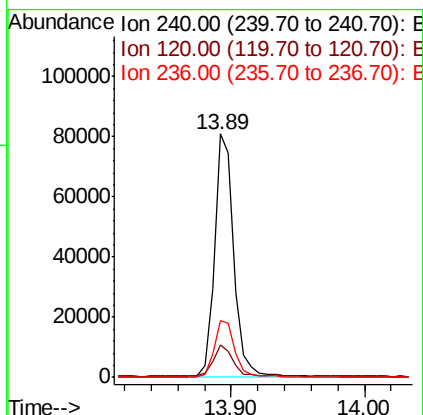
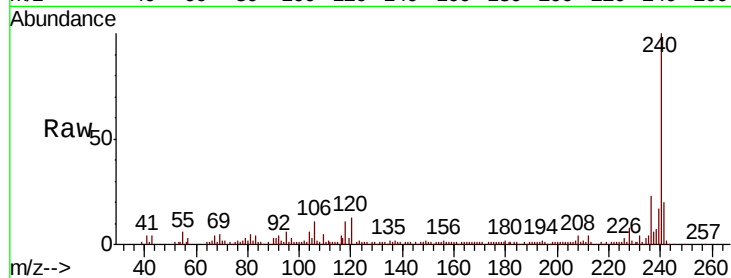




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF117597.D
Acq: 29 Oct 2019 18:04

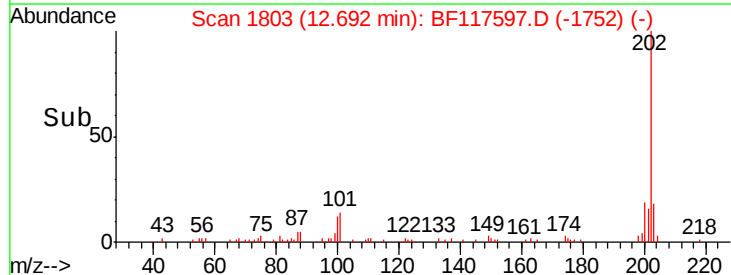
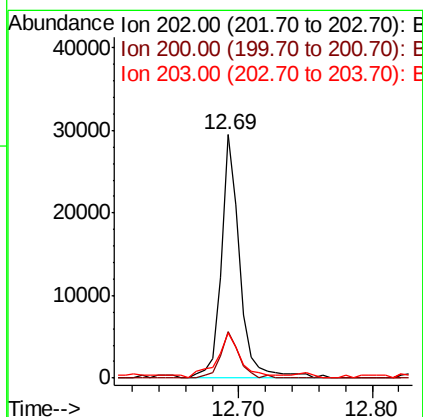
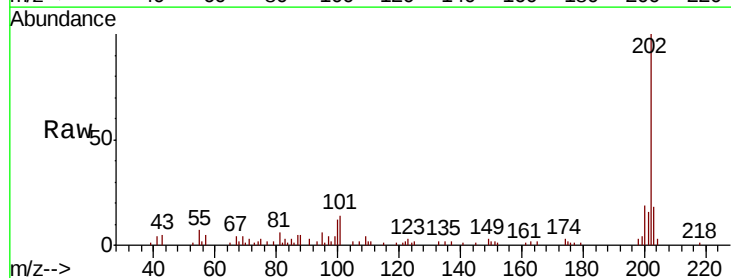
Instrument :
BNA_F
ClientSampleId :

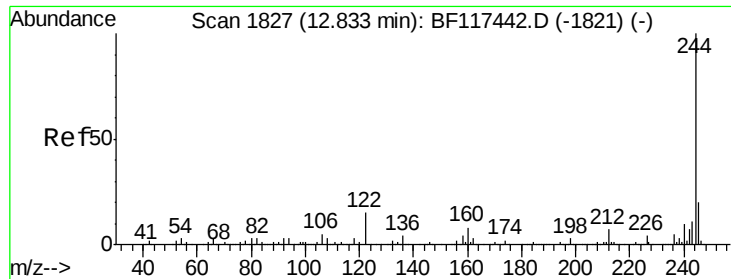
Tot Ion:240 Resp: 82950
Ion Ratio Lower Upper
240 100
120 13.4 8.4 12.6#
236 23.4 20.0 30.0



#78
Pyrene
Concen: 4.041 ng
RT: 12.69 min Scan# 1803
Delta R.T. -0.00 min
Lab File: BF117597.D
Acq: 29 Oct 2019 18:04

Tgt Ion:202 Resp: 28795
Ion Ratio Lower Upper
202 100
200 19.2 16.2 24.2
203 18.5 14.0 21.0

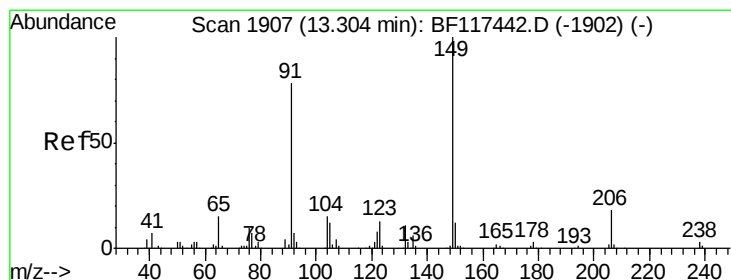
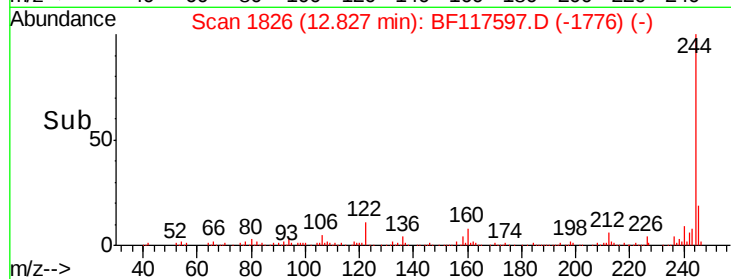
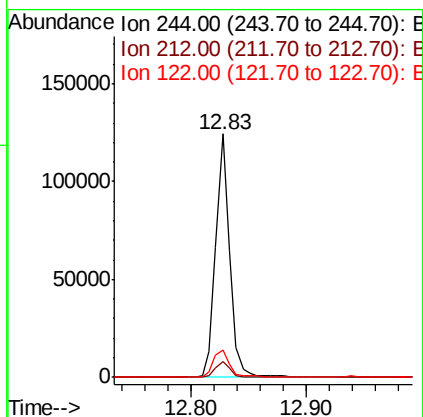
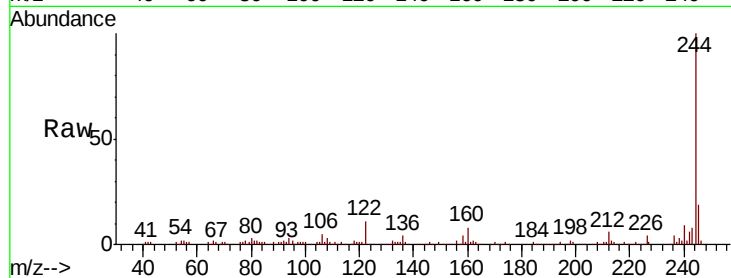




#79
 Terphenyl-d14
 Concen: 20.616 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF117597.D
 Acq: 29 Oct 2019 18:04

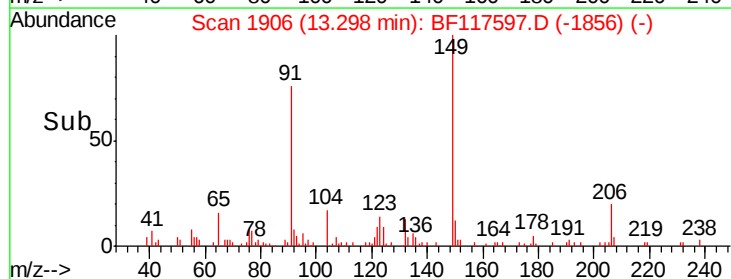
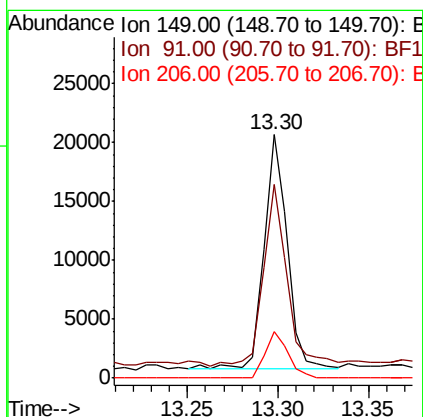
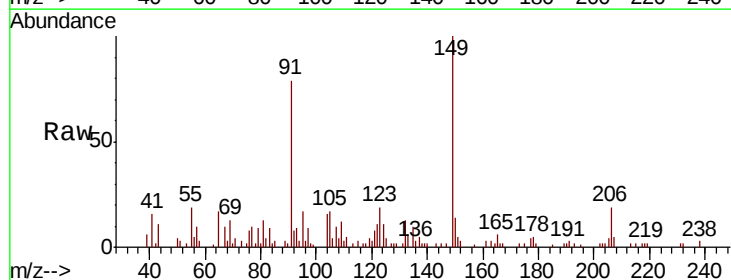
Instrument :
 BNA_F
 ClientSampleId :

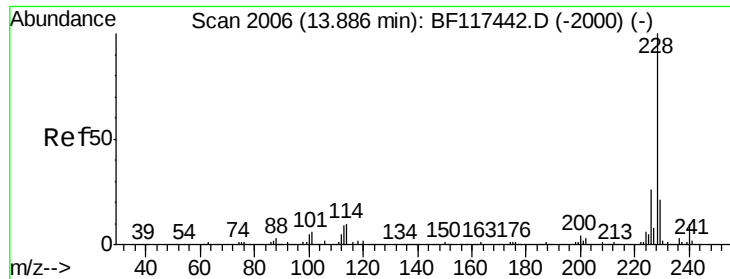
Tot Ion:244 Resp: 104842
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.8 8.6
 122 11.5 11.8 17.8#



#80
 Butylbenzylphthalate
 Concen: 5.025 ng
 RT: 13.30 min Scan# 1906
 Delta R.T. -0.01 min
 Lab File: BF117597.D
 Acq: 29 Oct 2019 18:04

Tgt Ion:149 Resp: 17817
 Ion Ratio Lower Upper
 149 100
 91 79.5 62.1 93.1
 206 18.9 14.3 21.5

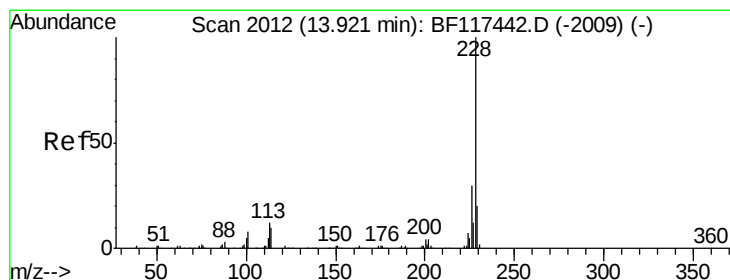
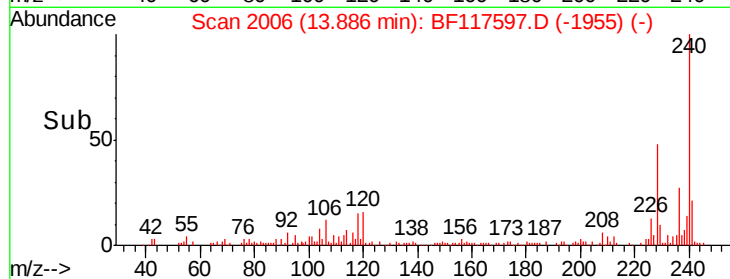
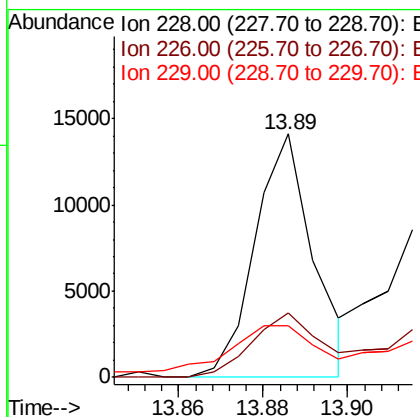
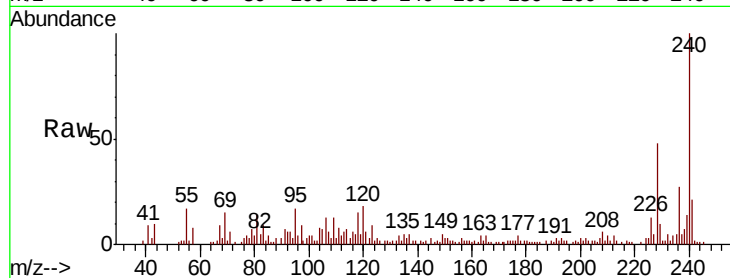




#81
Benzo(a)anthracene
Concen: 2.432 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.00 min
Lab File: BF117597.D
Acq: 29 Oct 2019 18:04

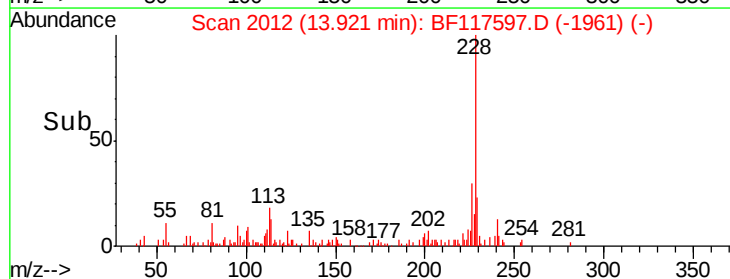
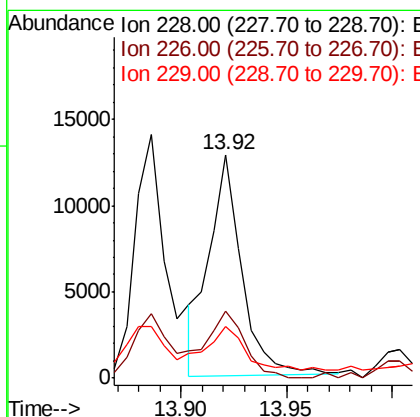
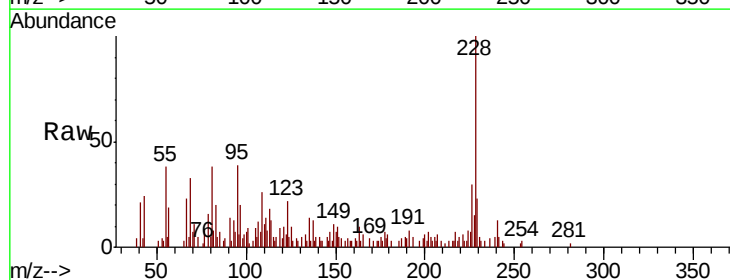
Instrument :
BNA_F
ClientSampleId :

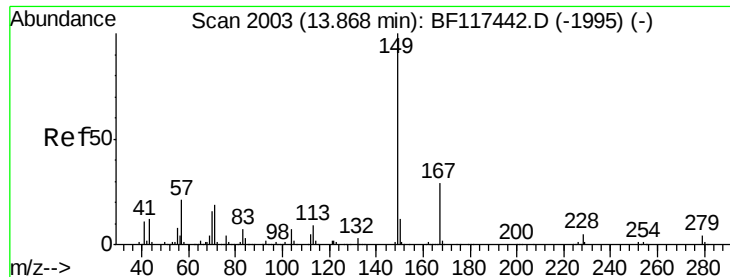
Tot Ion	Ratio	Lower	Upper
228	100		
226	26.6	21.0	31.4
229	21.4	16.4	24.6



#83
Chrysene
Concen: 2.536 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.00 min
Lab File: BF117597.D
Acq: 29 Oct 2019 18:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.9	35.9
229	23.1	15.8	23.6





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.983 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BF117597.D

Acq: 29 Oct 2019 18:04

Instrument :

BNA_F

ClientSampleId :

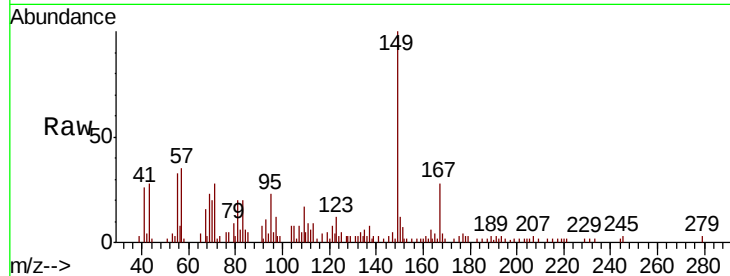
Tot Ion:149 Resp: 19784

Ion Ratio Lower Upper

149 100

167 28.3 23.3 34.9

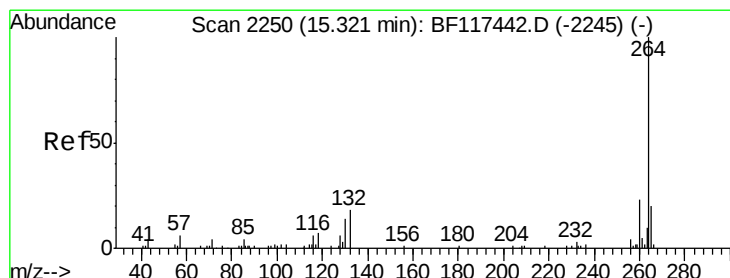
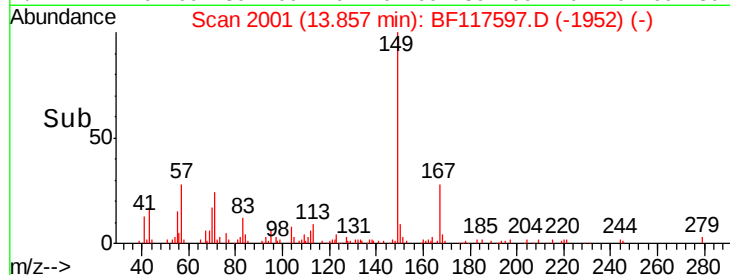
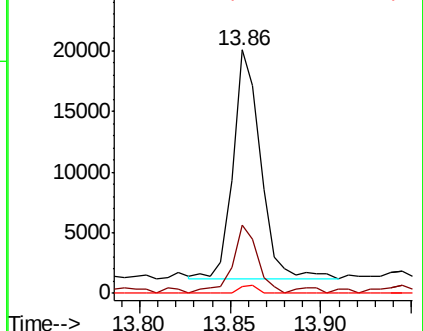
279 2.9 3.2 4.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.33 min Scan# 2252

Delta R.T. 0.01 min

Lab File: BF117597.D

Acq: 29 Oct 2019 18:04

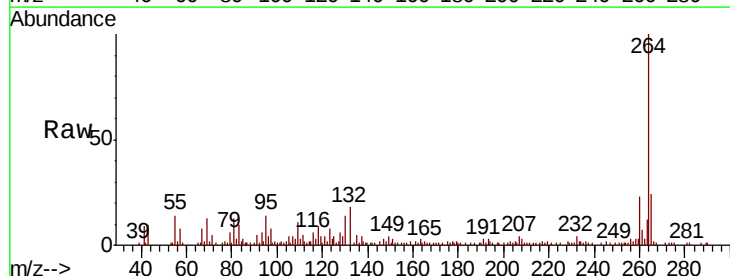
Tgt Ion:264 Resp: 60663

Ion Ratio Lower Upper

264 100

260 23.1 18.4 27.6

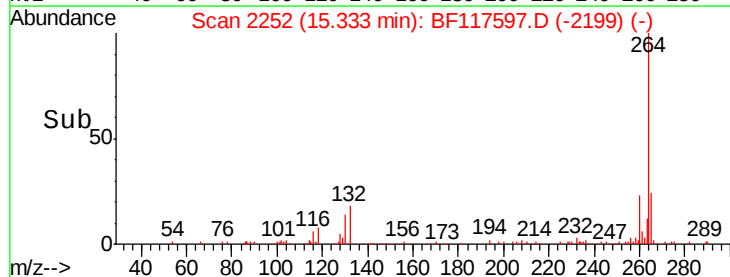
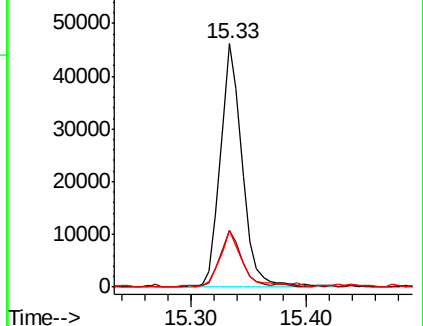
265 23.5 16.1 24.1

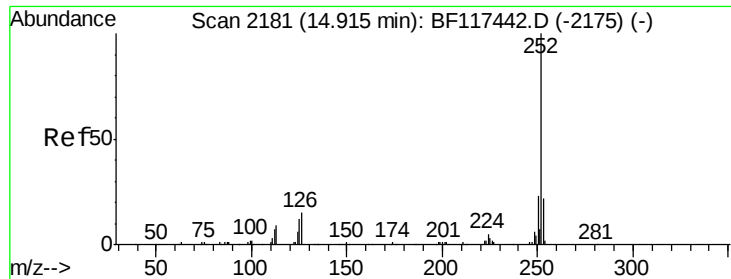


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

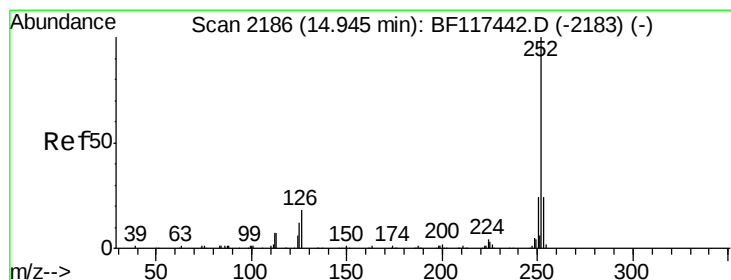
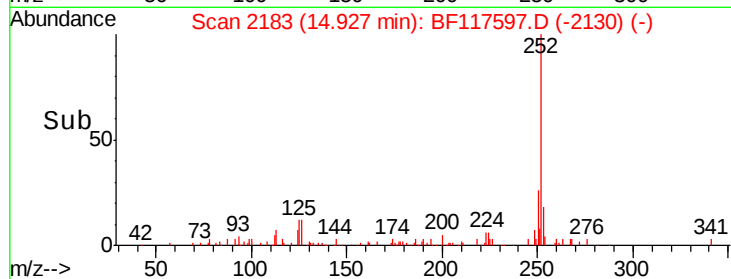
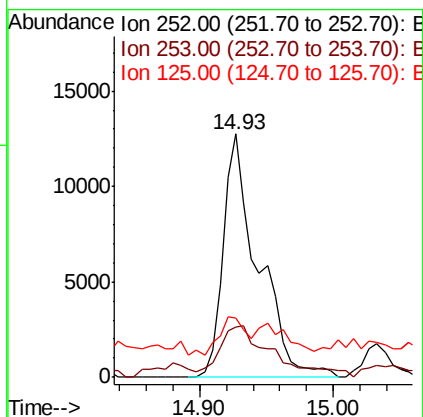
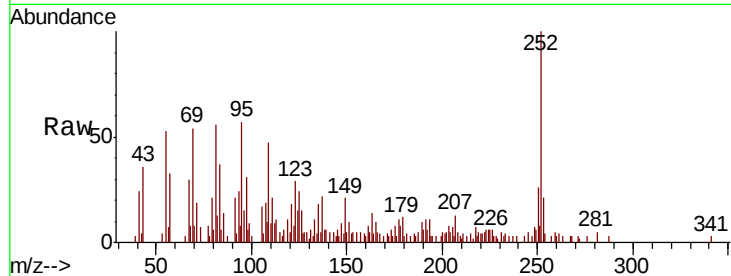




#88
Benzo(b)fluoranthene
Concen: 6.461 ng
RT: 14.93 min Scan# 2183
Delta R.T. 0.01 min
Lab File: BF117597.D
Acq: 29 Oct 2019 18:04

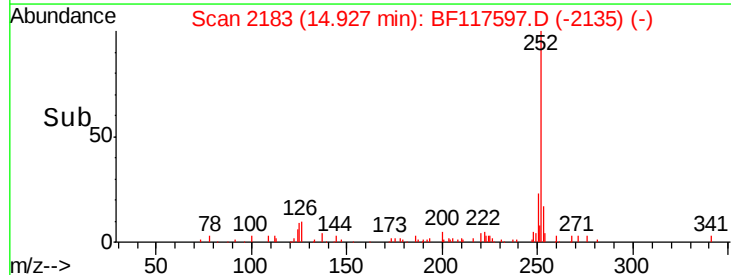
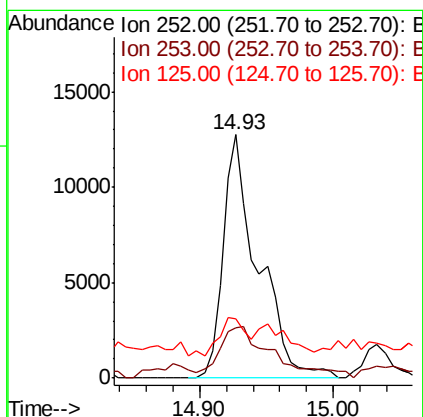
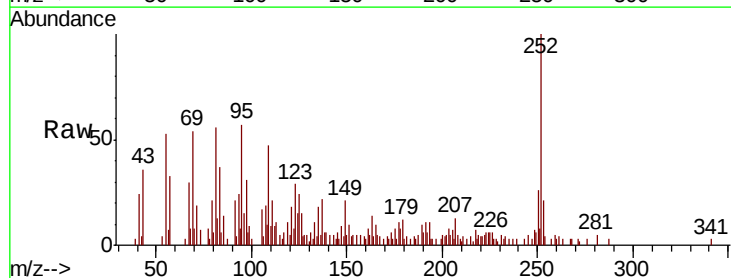
Instrument :
BNA_F
ClientSampleId :

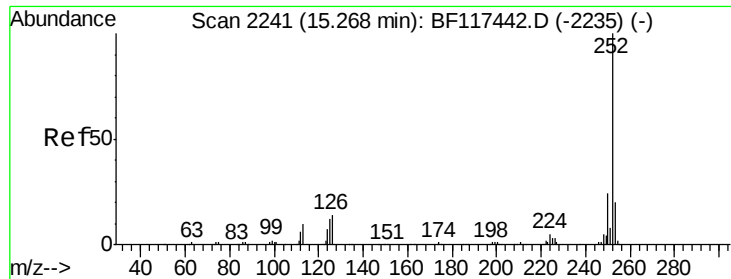
Tot Ion	Ratio	Lower	Upper
252	100		
253	20.8	17.8	26.6
125	24.3	9.9	14.9#



#89
Benzo(k)fluoranthene
Concen: 6.304 ng
RT: 14.93 min Scan# 2183
Delta R.T. -0.02 min
Lab File: BF117597.D
Acq: 29 Oct 2019 18:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.8	18.0	27.0
125	24.3	8.9	13.3#





#90

Benzo(a)pyrene

Concen: 3.019 ng

RT: 15.28 min Scan# 2243

Delta R.T. 0.01 min

Lab File: BF117597.D

Acq: 29 Oct 2019 18:04

Instrument :

BNA_F

ClientSampleId :

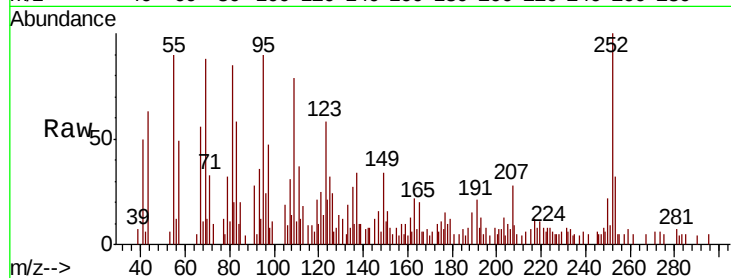
Tot Ion:252 Resp: 9832

Ion Ratio Lower Upper

252 100

253 32.0 16.3 24.5#

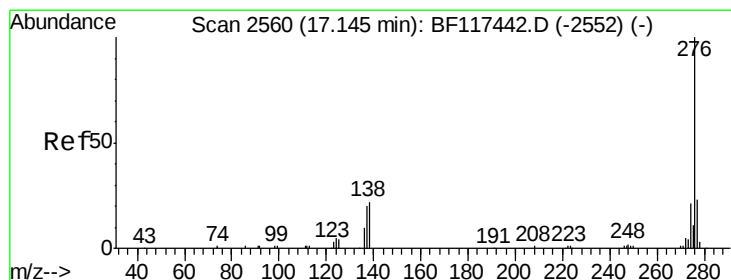
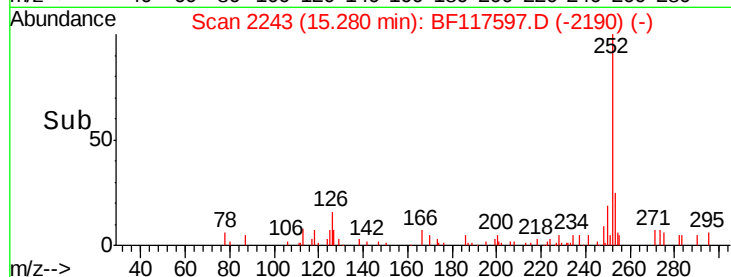
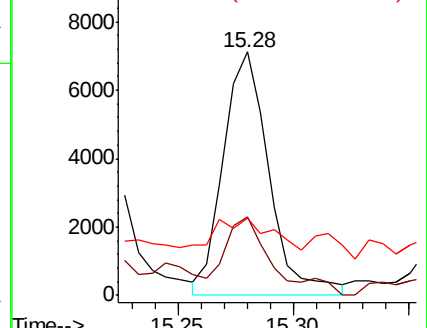
125 31.7 9.2 13.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92

Benzo(g,h,i)perylene

Concen: 3.285 ng

RT: 17.19 min Scan# 2568

Delta R.T. 0.05 min

Lab File: BF117597.D

Acq: 29 Oct 2019 18:04

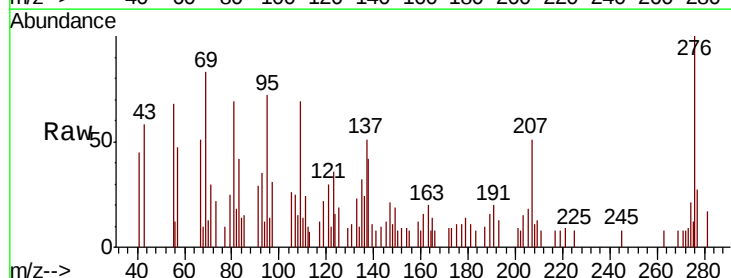
Tgt Ion:276 Resp: 8753

Ion Ratio Lower Upper

276 100

277 26.5 18.4 27.6

138 42.1 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

