

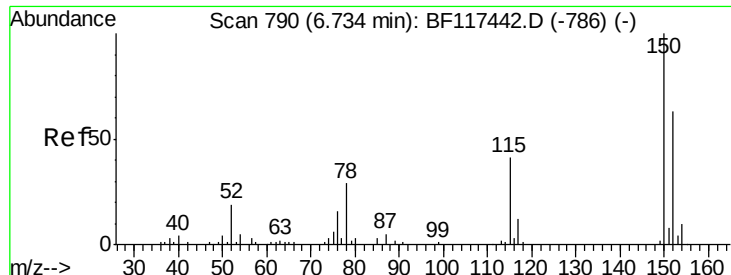
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102819\
 Data File : BF117563.D
 Acq On : 28 Oct 2019 16:04
 Operator : JU
 Sample : K5501-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 29 14:05:27 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	40256	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	160968	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	81510	20.00	ng	-0.01
64) Phenanthrene-d10	11.25	188	129514	20.00	ng	0.00
76) Chrysene-d12	13.89	240	74104	20.00	ng	0.00
87) Perylene-d12	15.33	264	81463	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	251357	92.89	ng	0.00
7) Phenol-d6	6.38	99	355806	97.90	ng	0.00
23) Nitrobenzene-d5	7.29	82	217005	66.55	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	64312	91.19	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	362630	62.68	ng	-0.01
79) Terphenyl-d14	12.83	244	296572	65.28	ng	0.00
Target Compounds						
9) Benzaldehyde	6.38	77	461	Below Cal		Qvalue
10) Phenol	6.39	94	8535	2.301 ng	#	3
19) n-Nitroso-di-n-propylamine	7.29	70	28756	12.956 ng	#	77
25) Isophorone	7.29	82	217003	38.472 ng	#	65
50) Dimethylphthalate	9.48	163	47203	8.123 ng	#	96
51) 2,6-Dinitrotoluene	9.76	165	10031	8.273 ng	#	22
56) 4-Nitrophenol	9.97	139	456	4.769 ng	#	6
57) 2,4-Dinitrotoluene	9.76	165	10031	6.222 ng	#	12
67) 4-Bromophenyl-phenylether	10.55	248	4310	3.090 ng	#	1
71) Phenanthrene	11.27	178	67556	8.983 ng		100
72) Anthracene	11.27	178	67556	8.755 ng		99
75) Fluoranthene	12.46	202	113252	15.043 ng		98
77) Benzidine	12.83	184	3970	Below Cal	#	92
78) Pyrene	12.69	202	101184	15.897 ng		99
81) Benzo(a)anthracene	13.88	228	41551	8.313 ng		99
83) Chrysene	13.92	228	37367	7.628 ng		98
86) Indeno(1,2,3-cd)pyrene	16.75	276	28009	7.658 ng		98
88) Benzo(b)fluoranthene	14.92	252	65038	13.520 ng		97
89) Benzo(k)fluoranthene	14.92	252	65038	13.191 ng	#	96
90) Benzo(a)pyrene	15.27	252	39867	9.115 ng		94
92) Benzo(a,h,i)perylene	17.18	276	25650	7.168 ng		95

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

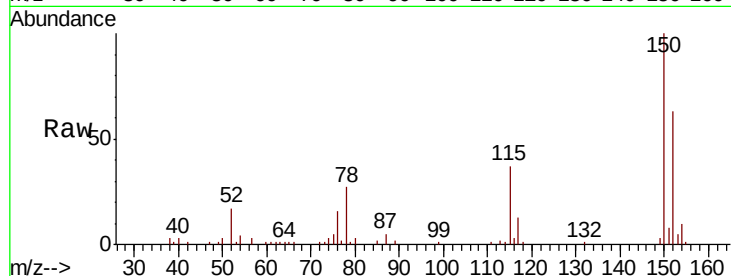


#1

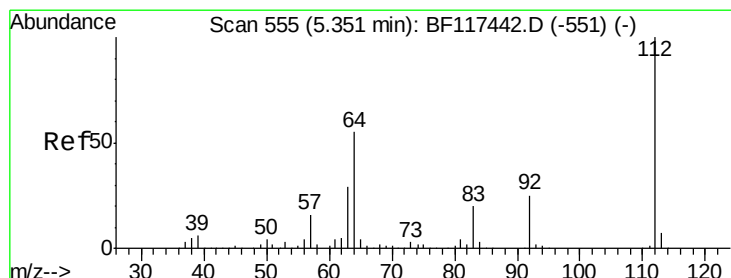
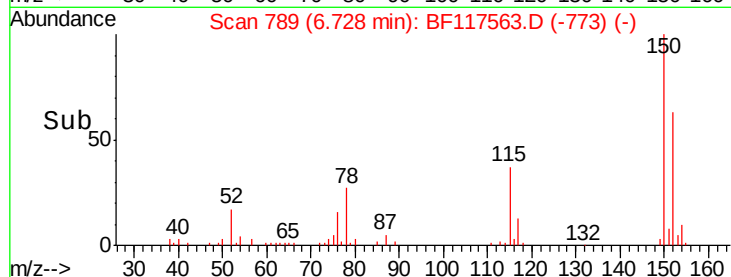
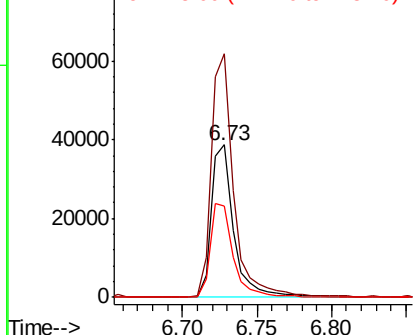
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117563.D
Acq: 28 Oct 2019 16:04

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 40256
Ion Ratio Lower Upper
152 100
150 159.9 126.8 190.2
115 59.6 51.6 77.4



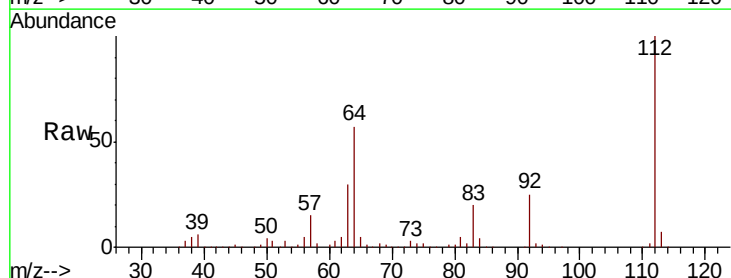
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



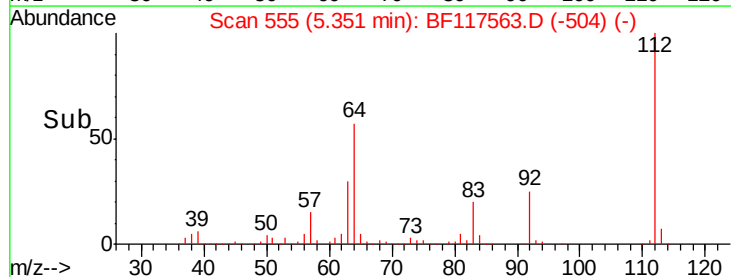
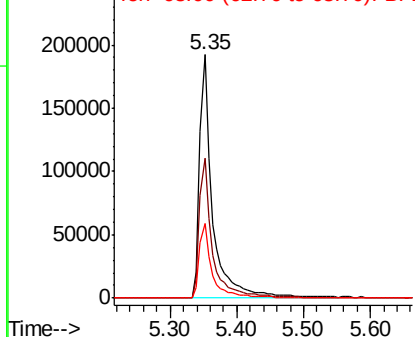
#5

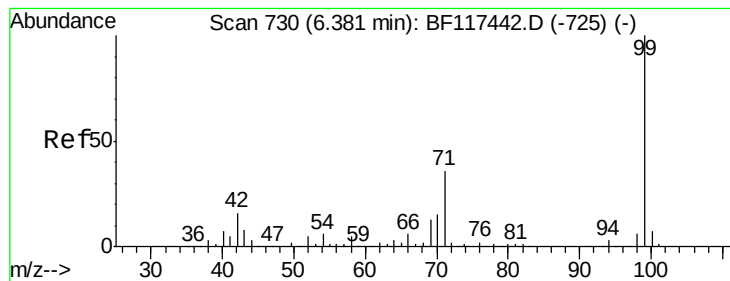
2-Fluorophenol
Concen: 92.892 ng
RT: 5.35 min Scan# 555
Delta R.T. 0.00 min
Lab File: BF117563.D
Acq: 28 Oct 2019 16:04

Tgt Ion:112 Resp: 251357
Ion Ratio Lower Upper
112 100
64 57.3 44.1 66.1
63 30.4 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: 97.901 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF117563.D

Acq: 28 Oct 2019 16:04

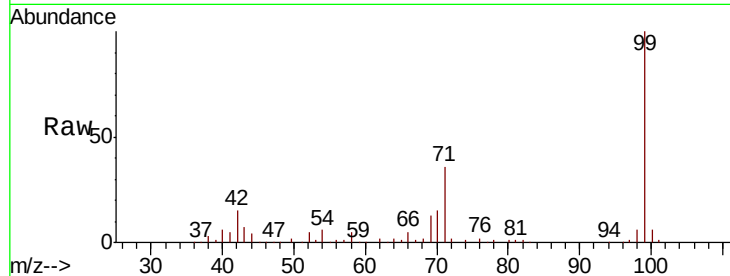
Instrument :

BNA_E

ClientSampleId :

Tot Ion: 99 Resp: 355806

Ion	Ratio	Lower	Upper
99	100		
42	15.4	12.8	19.2
71	35.5	28.6	43.0

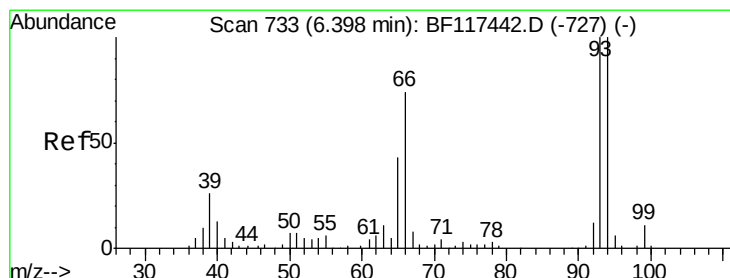
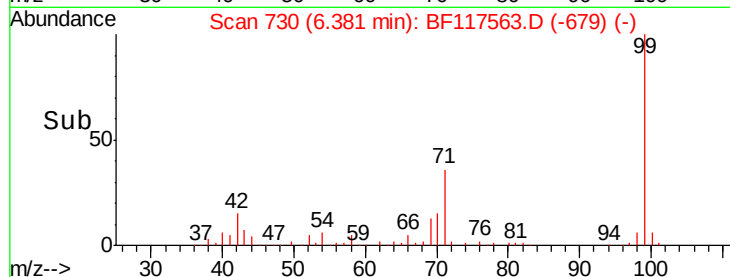
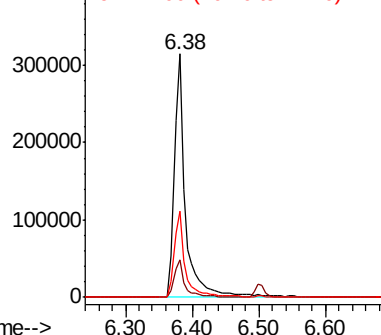


Abundance

Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.301 ng

RT: 6.39 min Scan# 732

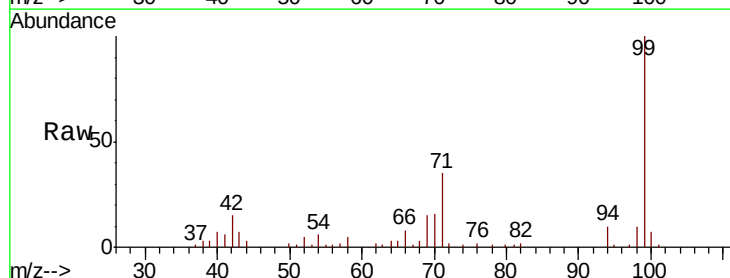
Delta R.T. -0.01 min

Lab File: BF117563.D

Acq: 28 Oct 2019 16:04

Tgt Ion: 94 Resp: 8535

Ion	Ratio	Lower	Upper
94	100		
65	35.4	23.4	63.4
66	83.2	54.7	94.7

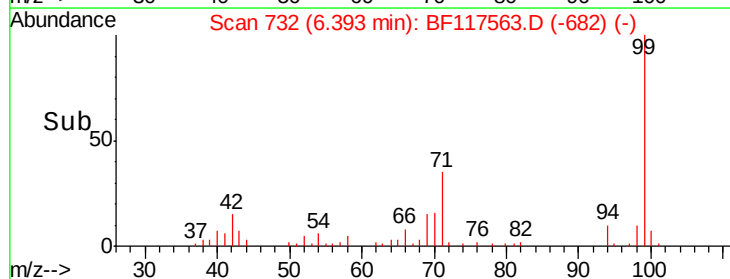
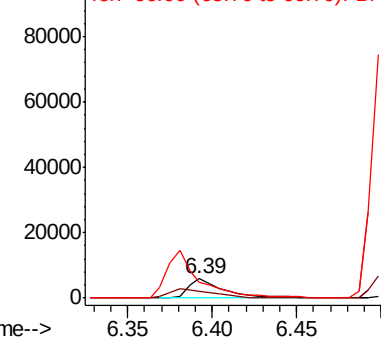


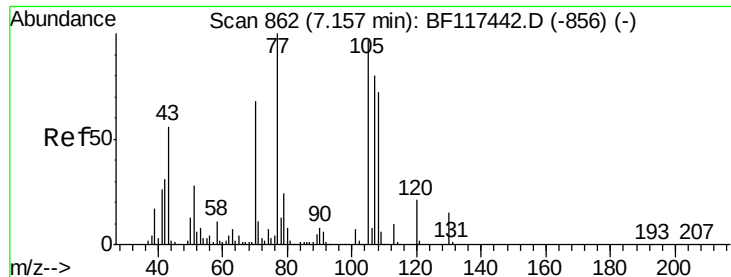
Abundance

Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

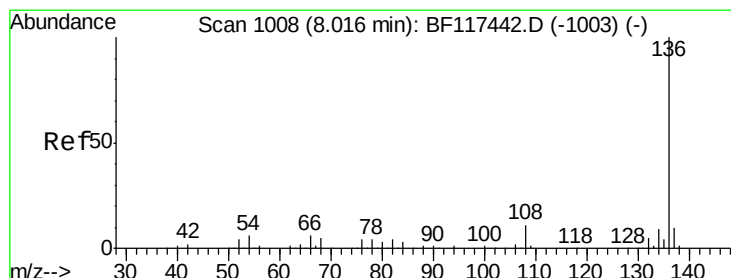
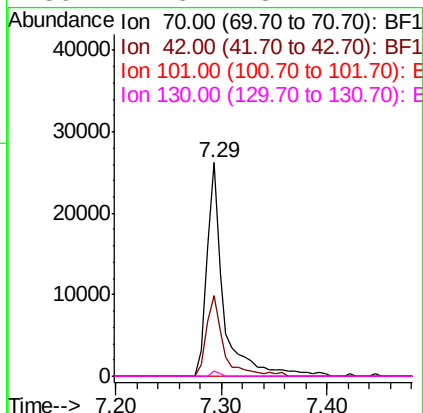
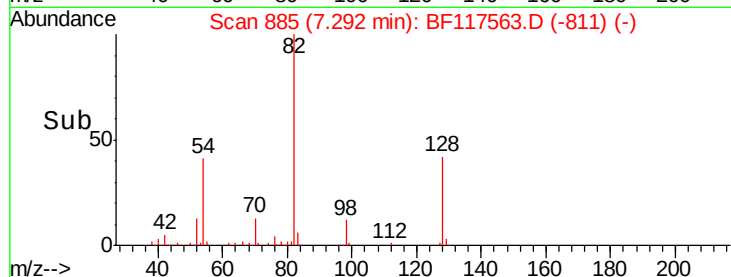
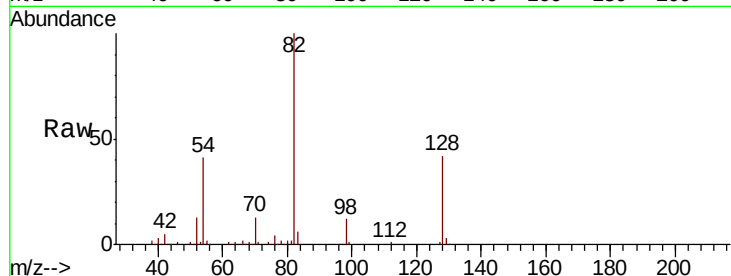




#19
n-Nitroso-di-n-propylamine
Concen: 12.956 ng
RT: 7.29 min Scan# 885
Delta R.T. 0.14 min
Lab File: BF117563.D
Acq: 28 Oct 2019 16:04

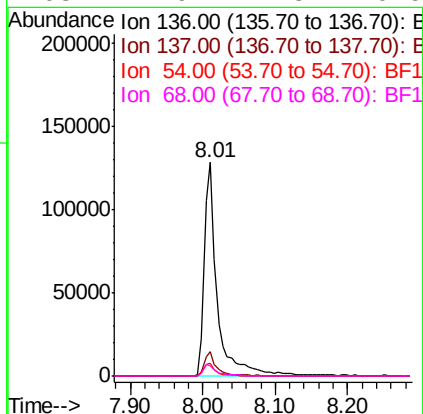
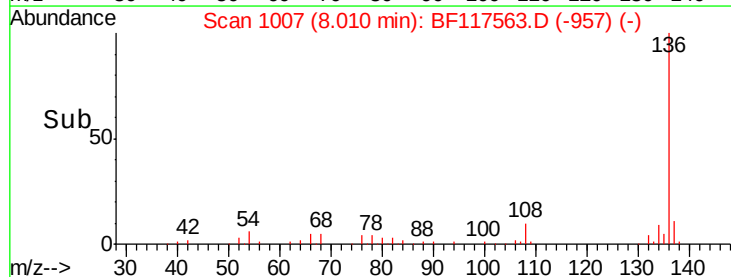
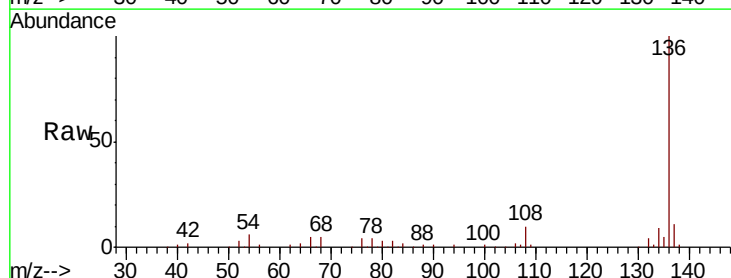
Instrument :
BNA_E
ClientSampleId :

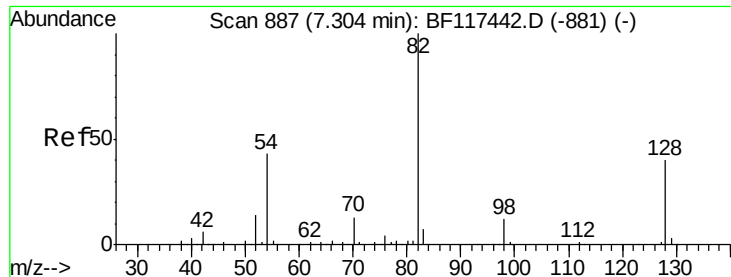
Tot Ion: 70 Resp: 28756
Ion Ratio Lower Upper
70 100
42 37.9 36.7 55.1
101 0.0 8.3 12.5#
130 2.6 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117563.D
Acq: 28 Oct 2019 16:04

Tgt Ion:136 Resp: 160968
Ion Ratio Lower Upper
136 100
137 11.3 8.2 12.4
54 6.1 4.5 6.7
68 4.9 4.3 6.5

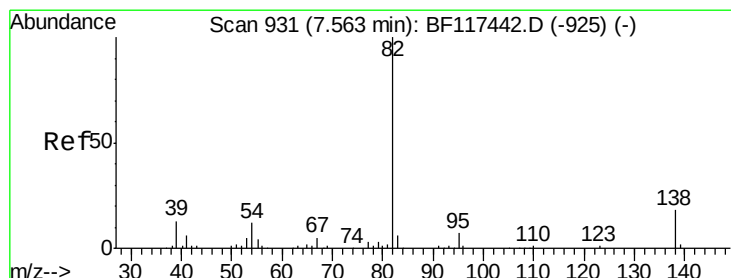
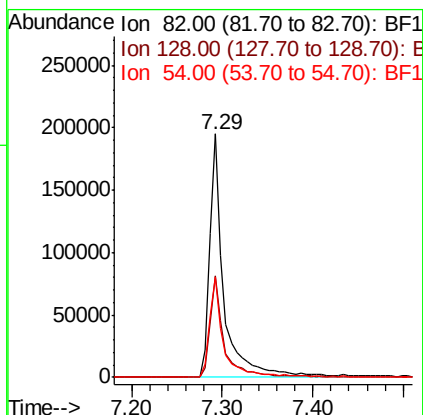
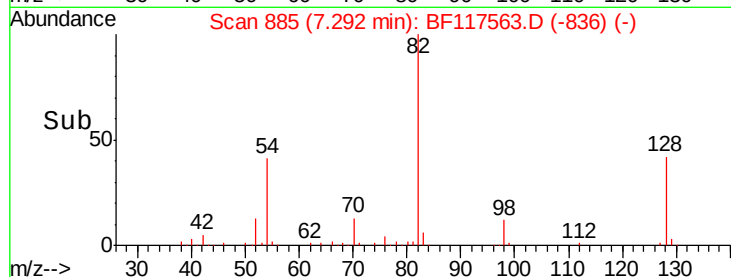
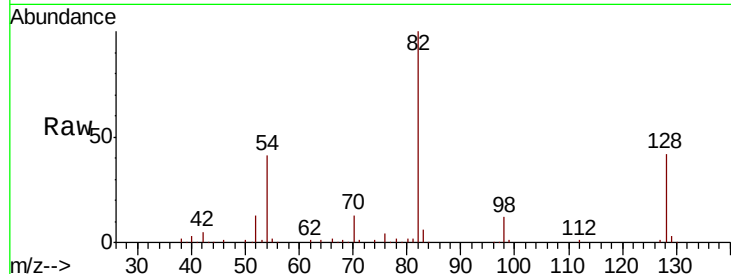




#23
Nitrobenzene-d5
Concen: 66.554 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF117563.D
Acq: 28 Oct 2019 16:04

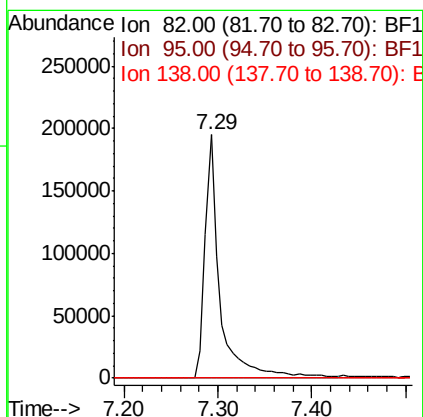
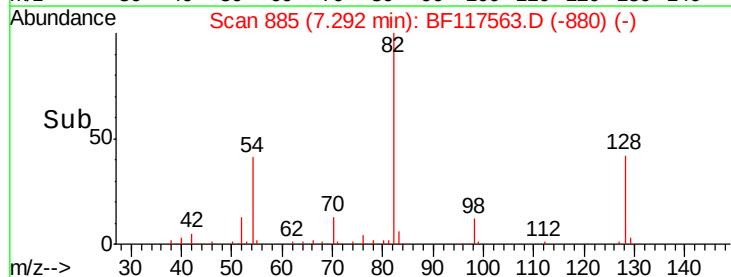
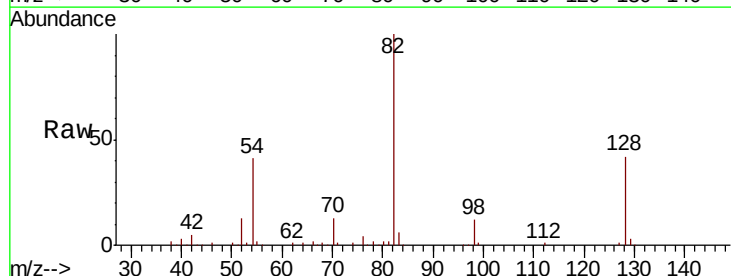
Instrument :
BNA_E
ClientSampleId :

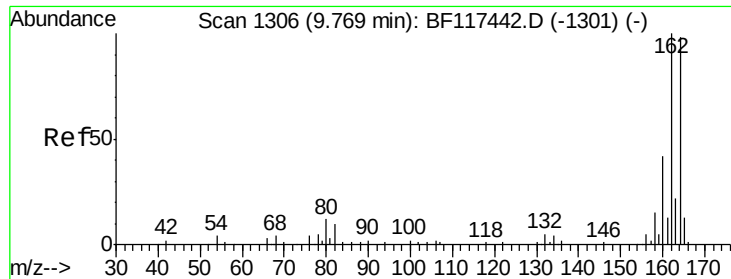
Tot Ion	Ratio	Lower	Upper
82	100		
128	41.5	32.2	48.2
54	41.0	34.2	51.2



#25
Isophorone
Concen: 38.472 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.27 min
Lab File: BF117563.D
Acq: 28 Oct 2019 16:04

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.4	8.0#
138	0.0	14.2	21.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF117563.D

Acq: 28 Oct 2019 16:04

Instrument :

BNA_E

ClientSampleId :

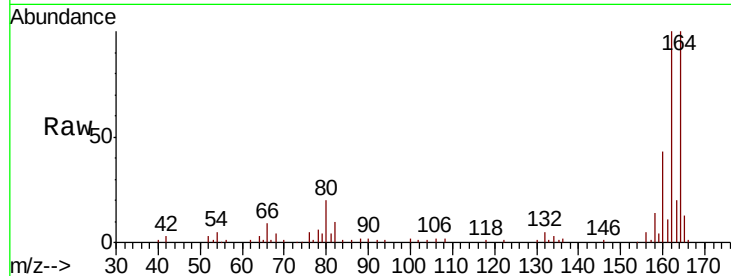
Tot Ion:164 Resp: 81510

Ion Ratio Lower Upper

164 100

162 100.2 81.8 122.6

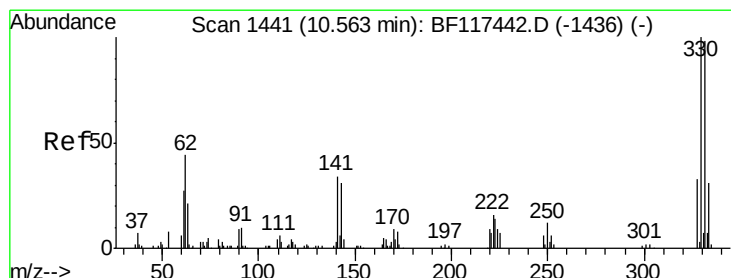
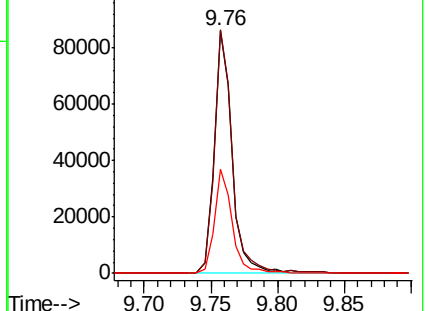
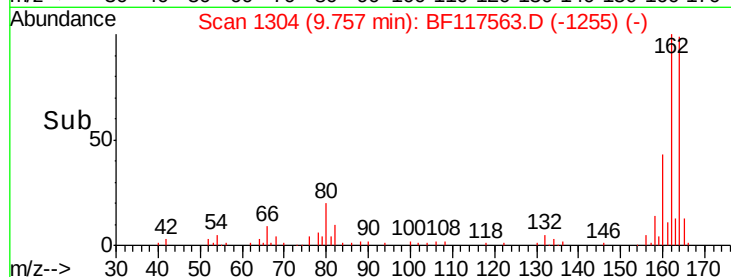
160 42.8 34.4 51.6



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: 91.188 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.01 min

Lab File: BF117563.D

Acq: 28 Oct 2019 16:04

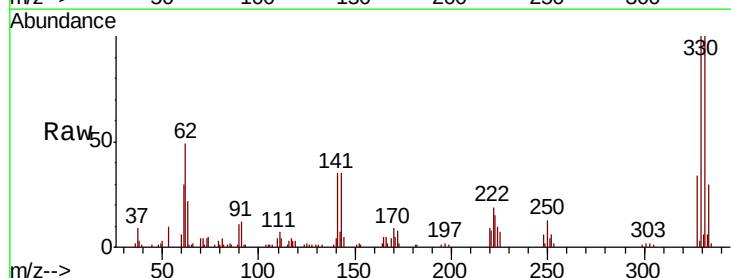
Tgt Ion:330 Resp: 64312

Ion Ratio Lower Upper

330 100

332 99.1 78.5 117.7

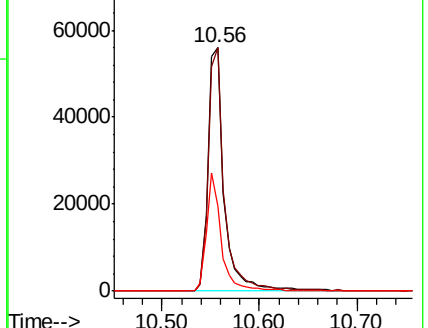
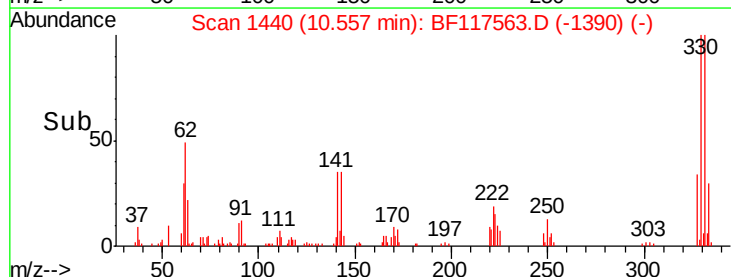
141 43.9 37.0 55.6

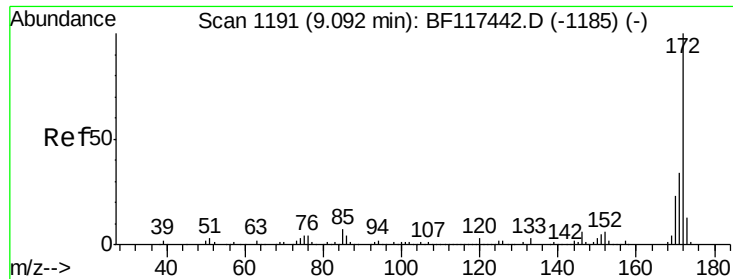


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

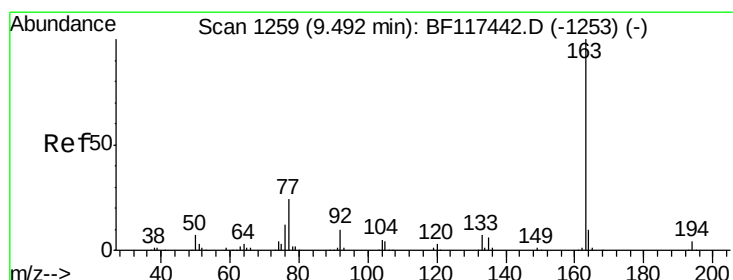
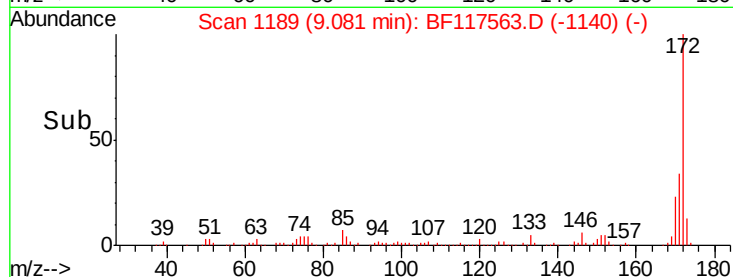
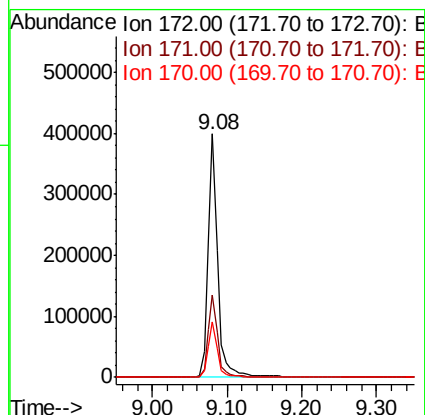
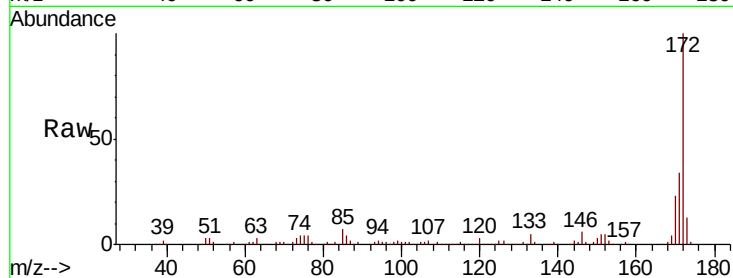




#45
2-Fluorobiphenyl
Concen: 62.685 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF117563.D
Acq: 28 Oct 2019 16:04

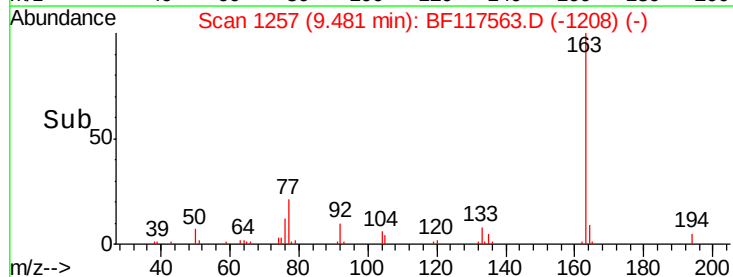
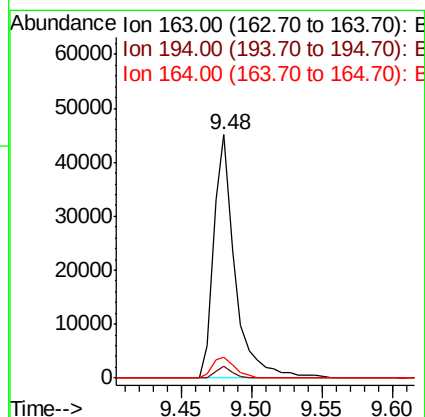
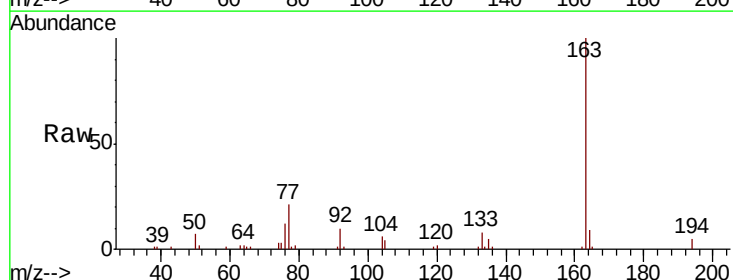
Instrument :
BNA_E
ClientSampled :

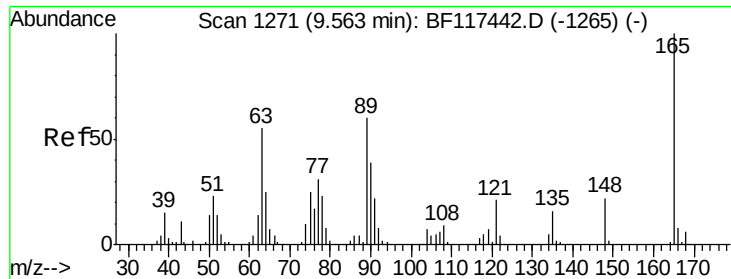
Tot Ion:172 Resp: 362630
Ion Ratio Lower Upper
172 100
171 34.0 27.5 41.3
170 22.8 18.6 27.8



#50
Dimethylphthalate
Concen: 8.123 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117563.D
Acq: 28 Oct 2019 16:04

Tgt Ion:163 Resp: 47203
Ion Ratio Lower Upper
163 100
194 4.7 2.9 4.3#
164 8.8 8.2 12.2

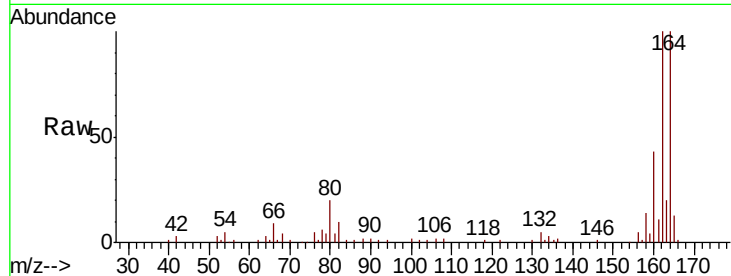




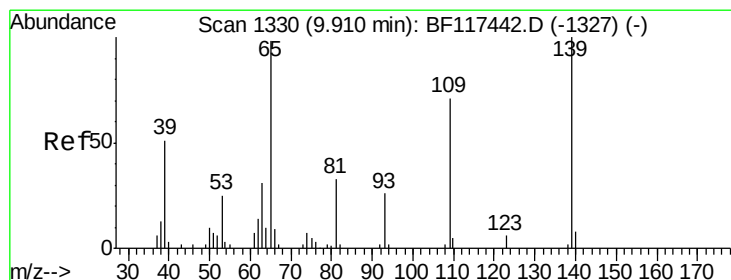
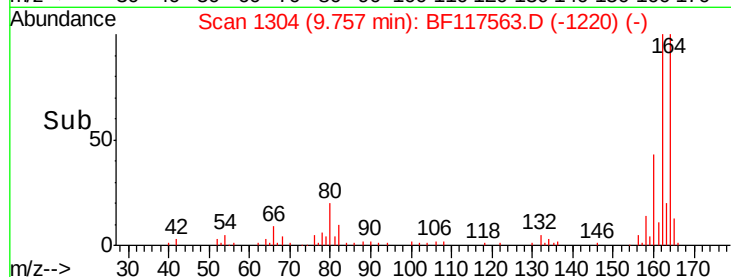
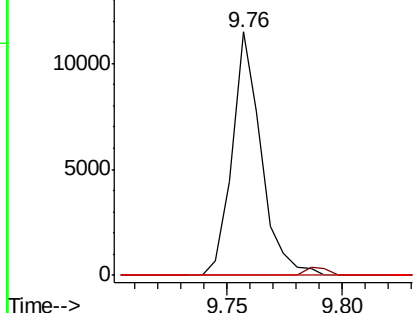
#51
 2,6-Dinitrotoluene
 Concen: 8.273 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. 0.19 min
 Lab File: BF117563.D
 Acq: 28 Oct 2019 16:04

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.8	65.8#
89	0.0	47.6	71.4#

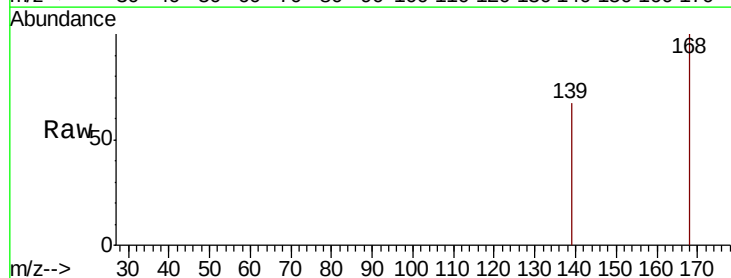


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

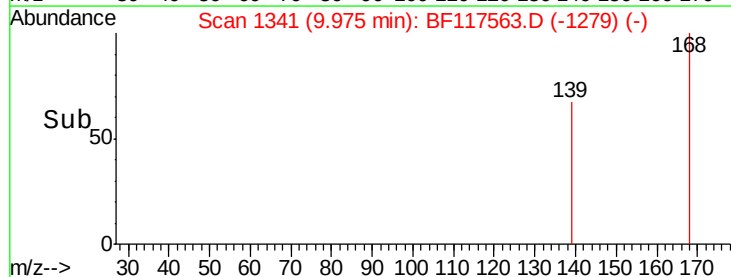
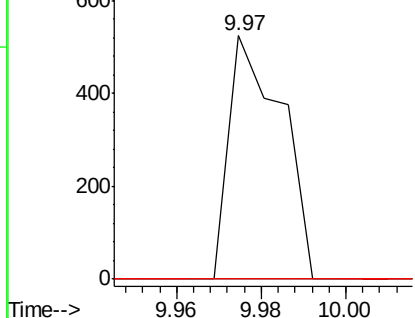


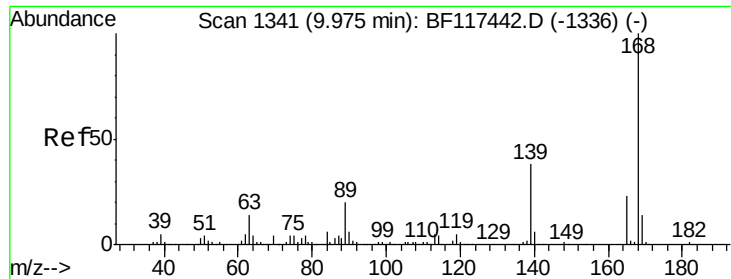
#56
 4-Nitrophenol
 Concen: 4.769 ng
 RT: 9.97 min Scan# 1341
 Delta R.T. 0.07 min
 Lab File: BF117563.D
 Acq: 28 Oct 2019 16:04

Tgt 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

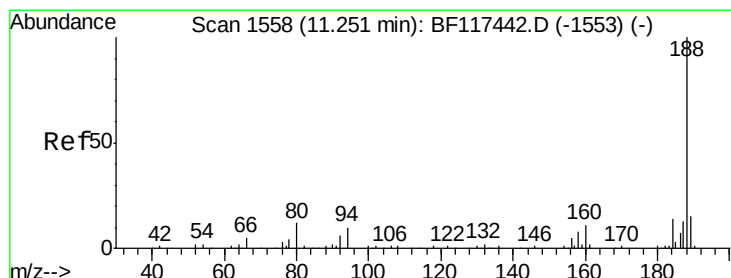
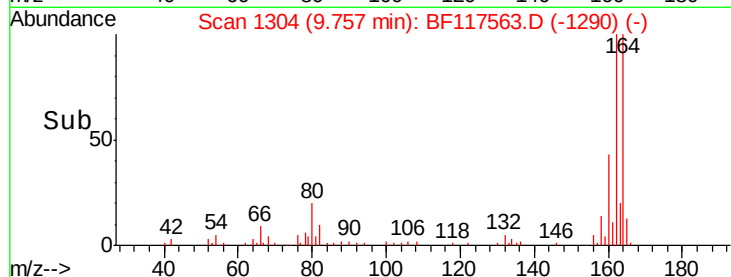
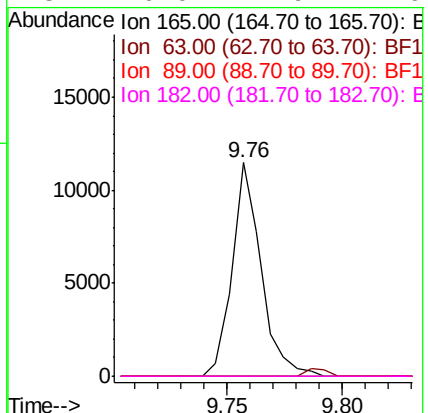
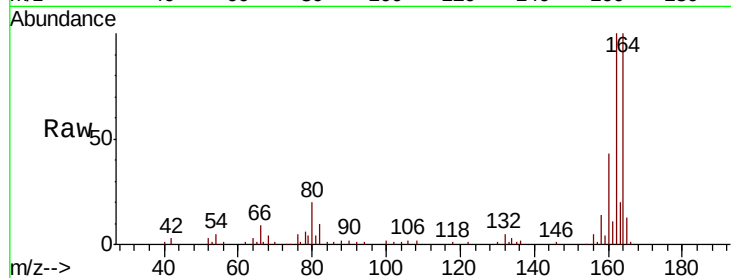




#57
 2,4-Dinitrotoluene
 Concen: 6.222 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.22 min
 Lab File: BF117563.D
 Acq: 28 Oct 2019 16:04

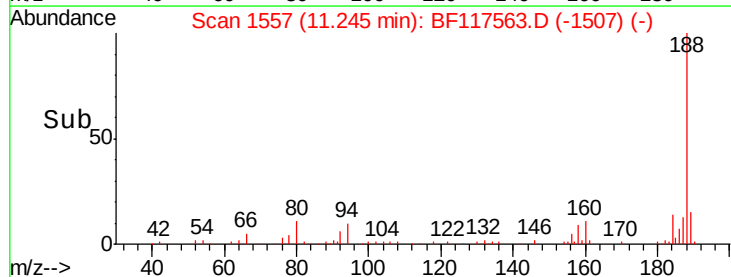
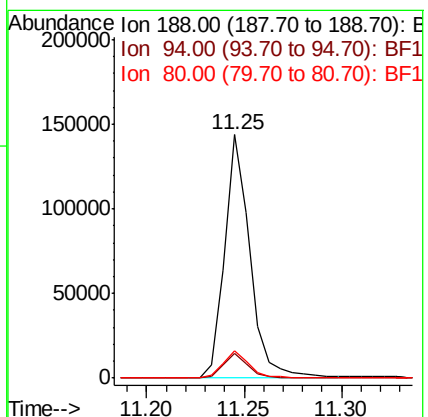
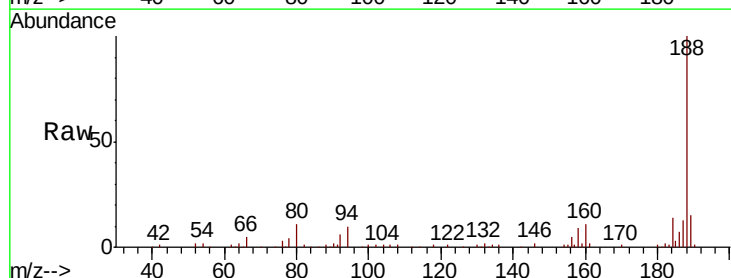
Instrument :
 BNA_E
 ClientSampleId :

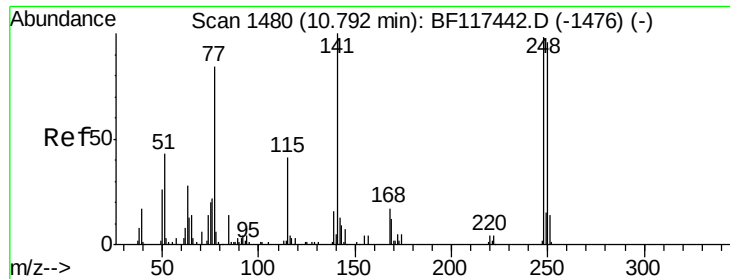
Tot Ion:165 Resp: 10031
 Ion Ratio Lower Upper
 165 100
 63 0.0 51.4 77.0#
 89 0.0 69.9 104.9#
 182 0.0 1.9 2.9#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: BF117563.D
 Acq: 28 Oct 2019 16:04

Tgt Ion:188 Resp: 129514
 Ion Ratio Lower Upper
 188 100
 94 10.4 8.0 12.0
 80 11.5 9.5 14.3

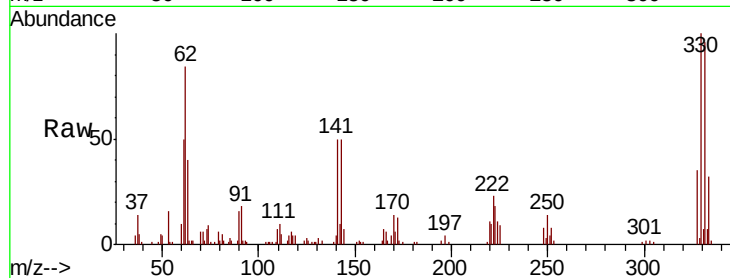




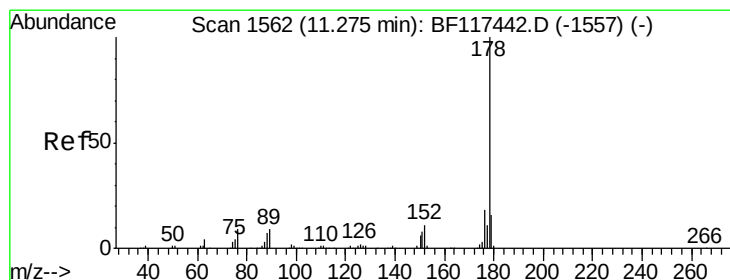
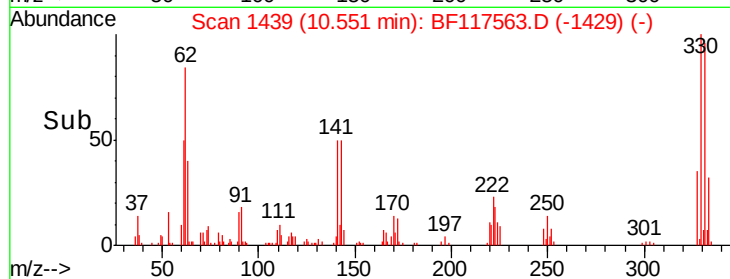
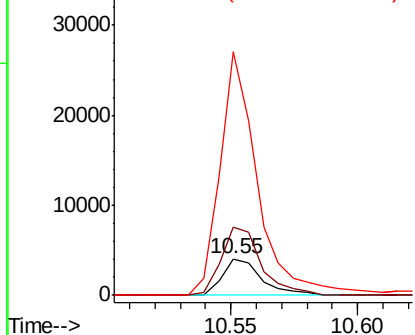
#67
 4-Bromophenyl-phenylether
 Concen: 3.090 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.24 min
 Lab File: BF117563.D
 Acq: 28 Oct 2019 16:04

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:248 Resp: 4310
 Ion Ratio Lower Upper
 248 100
 250 187.0 78.0 117.0#
 141 661.4 81.7 122.5#

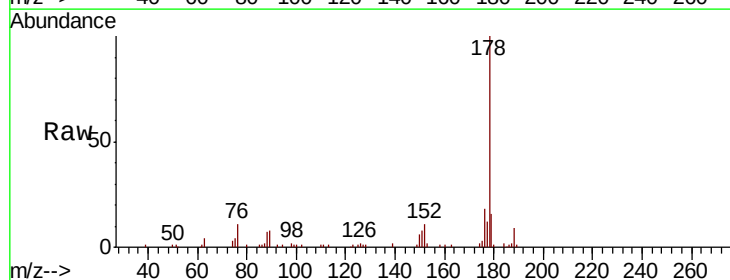


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

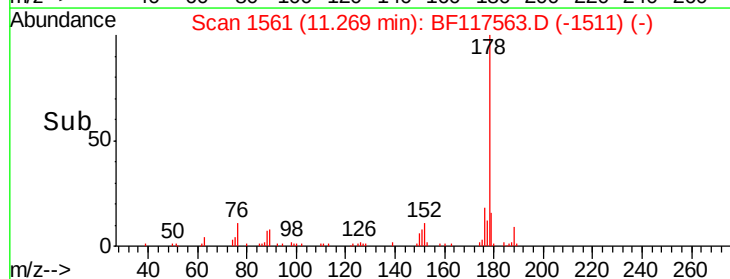
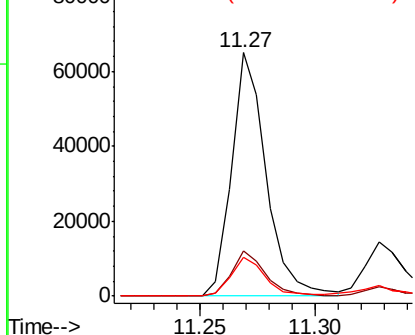


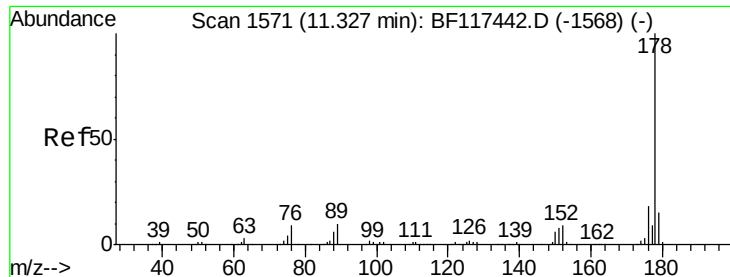
#71
 Phenanthrene
 Concen: 8.983 ng
 RT: 11.27 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: BF117563.D
 Acq: 28 Oct 2019 16:04

Tgt Ion:178 Resp: 67556
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.6 22.0
 179 15.9 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

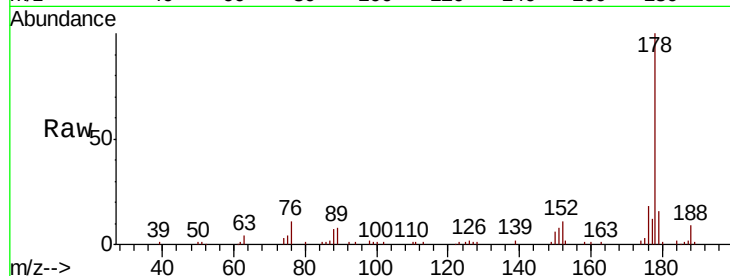




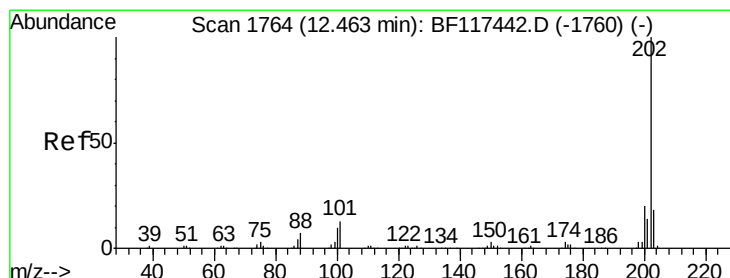
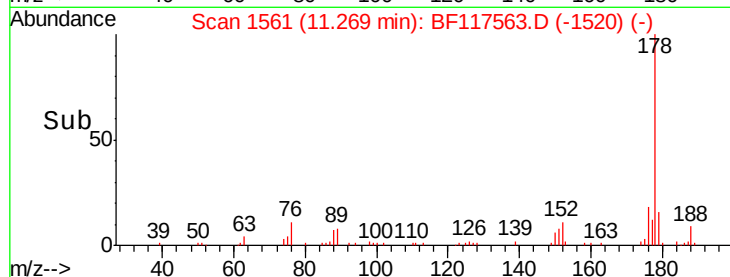
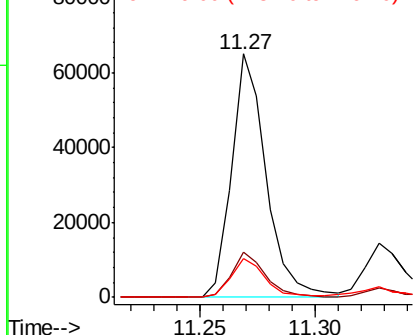
#72
 Anthracene
 Concen: 8.755 ng
 RT: 11.27 min Scan# 1561
 Delta R.T. -0.06 min
 Lab File: BF117563.D
 Acq: 28 Oct 2019 16:04

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:178 Resp: 67556
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.7 22.1
 179 15.9 12.2 18.2

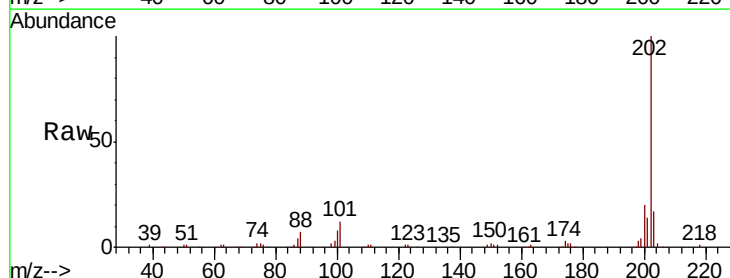


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

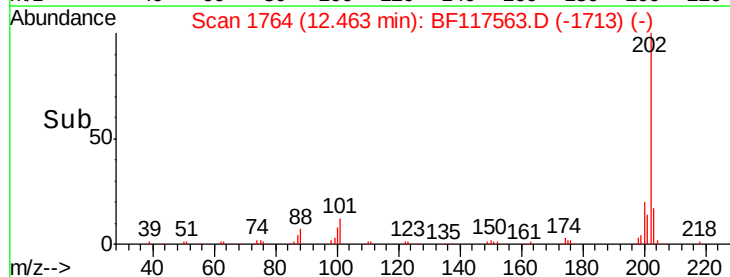
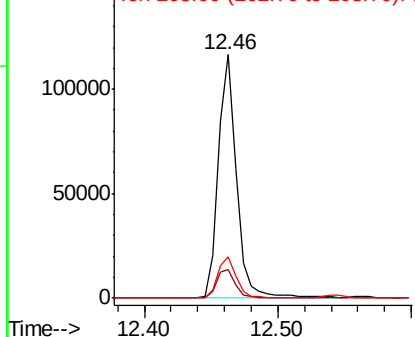


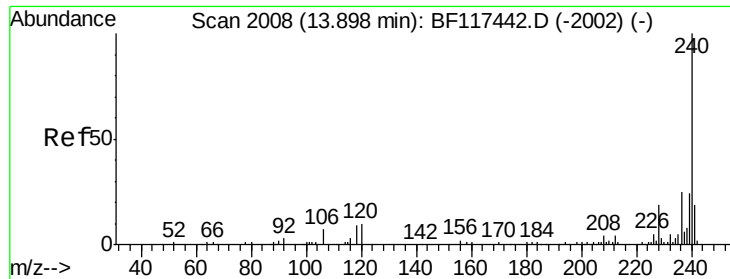
#75
 Fluoranthene
 Concen: 15.043 ng
 RT: 12.46 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: BF117563.D
 Acq: 28 Oct 2019 16:04

Tgt Ion:202 Resp: 113252
 Ion Ratio Lower Upper
 202 100
 101 11.5 0.0 32.7
 203 17.1 0.0 37.6



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

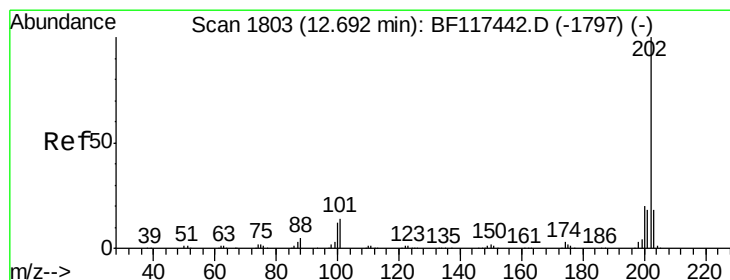
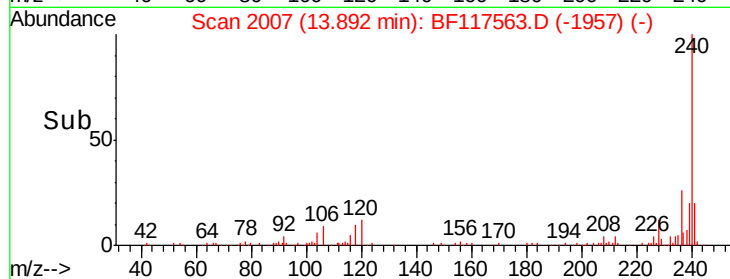
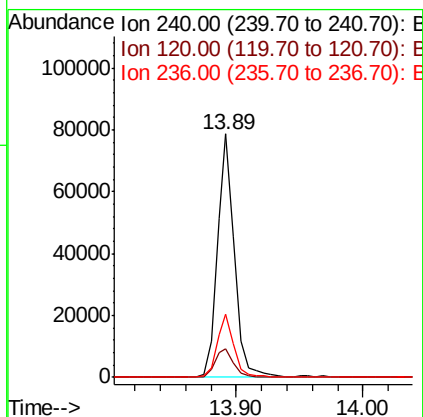
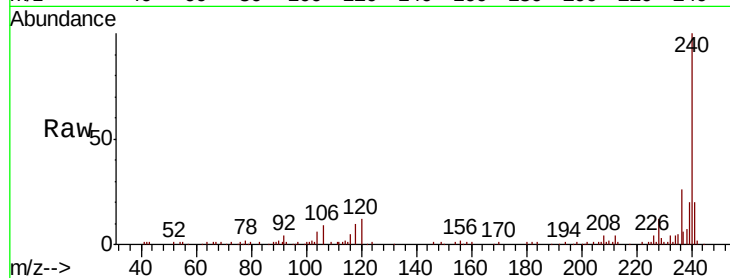




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.89 min Scan# 2007
 Delta R.T. -0.01 min
 Lab File: BF117563.D
 Acq: 28 Oct 2019 16:04

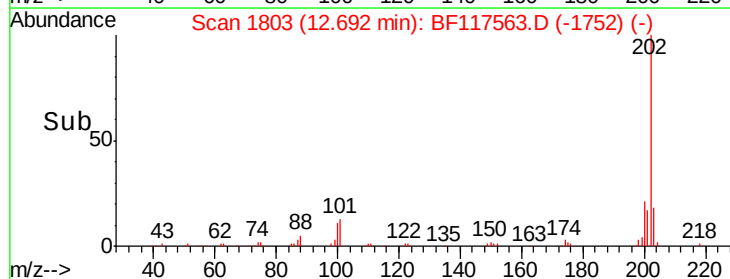
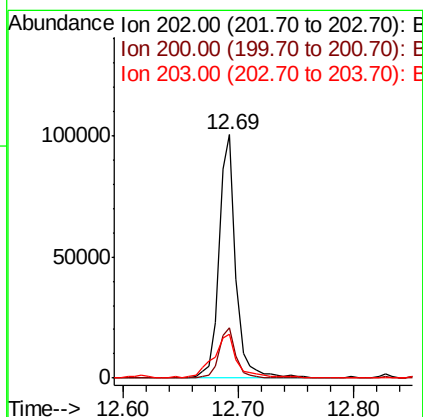
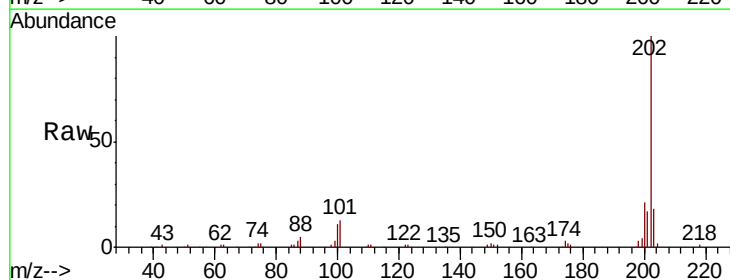
Instrument :
 BNA_E
 ClientSampled :

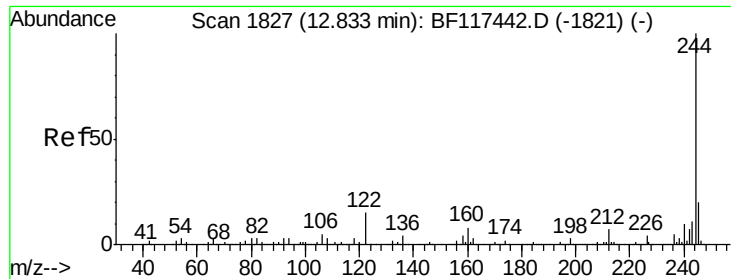
Tot Ion:240 Resp: 74104
 Ion Ratio Lower Upper
 240 100
 120 11.7 8.4 12.6
 236 25.7 20.0 30.0



#78
 Pyrene
 Concen: 15.897 ng
 RT: 12.69 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: BF117563.D
 Acq: 28 Oct 2019 16:04

Tgt Ion:202 Resp: 101184
 Ion Ratio Lower Upper
 202 100
 200 20.8 16.2 24.2
 203 18.0 14.0 21.0

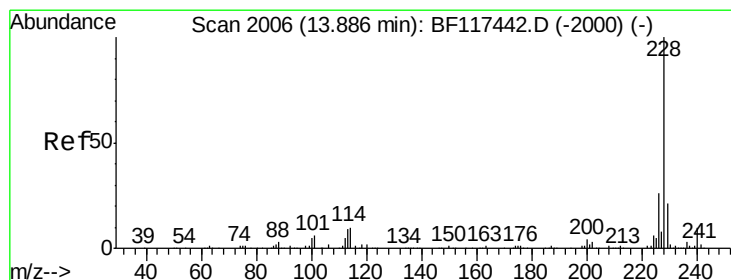
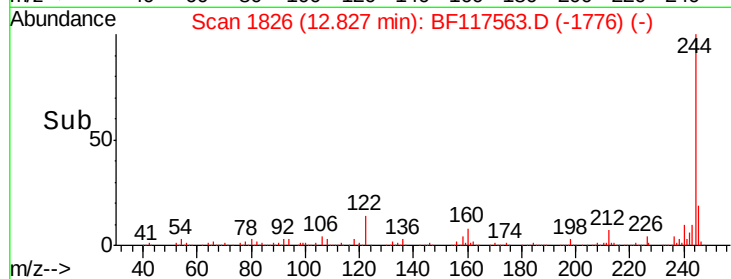
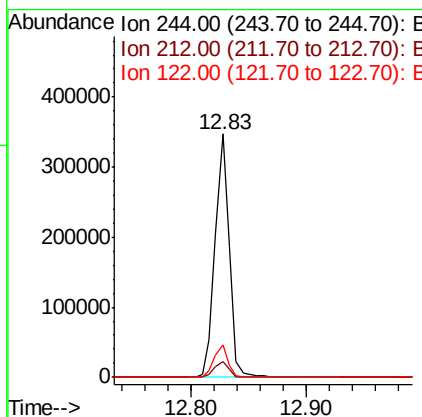
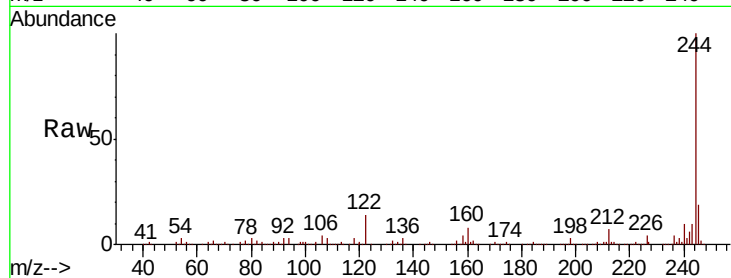




#79
 Terphenyl-d14
 Concen: 65.279 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF117563.D
 Acq: 28 Oct 2019 16:04

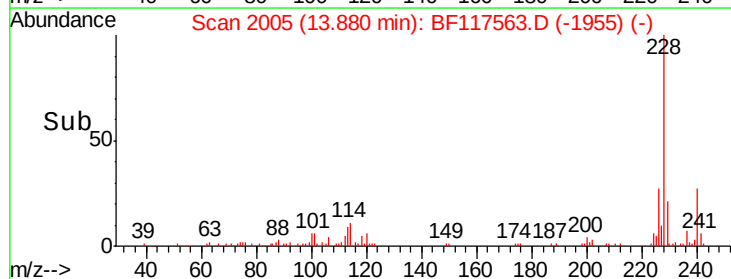
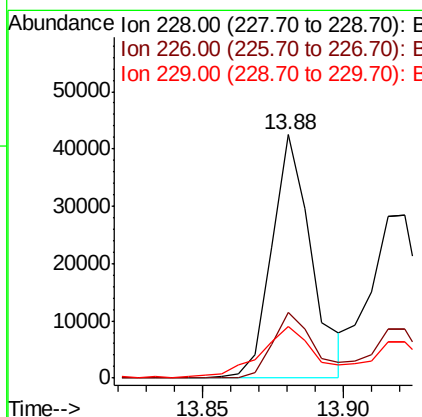
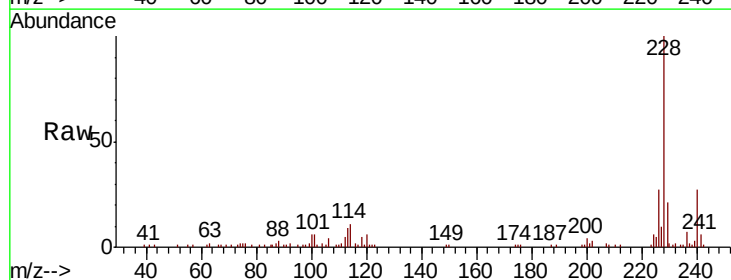
Instrument :
 BNA_E
 ClientSampleId :

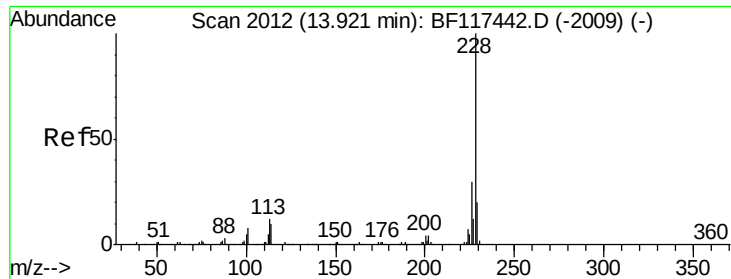
Tot Ion:244 Resp: 296572
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.8 8.6
 122 13.5 11.8 17.8



#81
 Benzo(a)anthracene
 Concen: 8.313 ng
 RT: 13.88 min Scan# 2005
 Delta R.T. -0.01 min
 Lab File: BF117563.D
 Acq: 28 Oct 2019 16:04

Tgt Ion:228 Resp: 41551
 Ion Ratio Lower Upper
 228 100
 226 26.8 21.0 31.4
 229 21.4 16.4 24.6

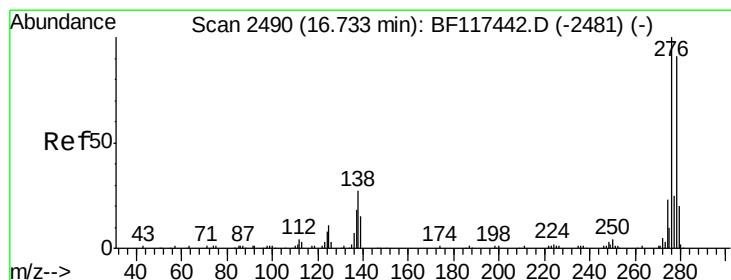
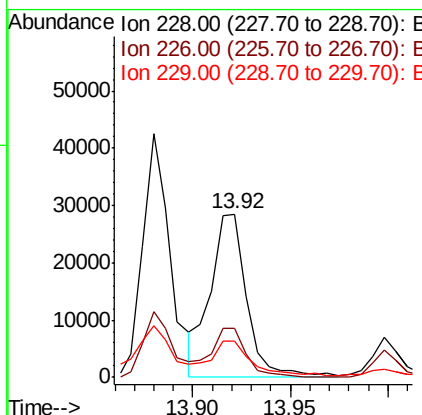
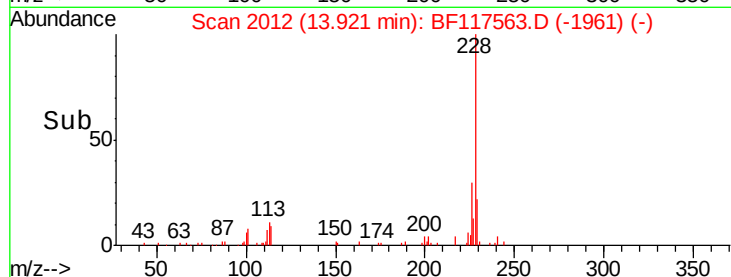
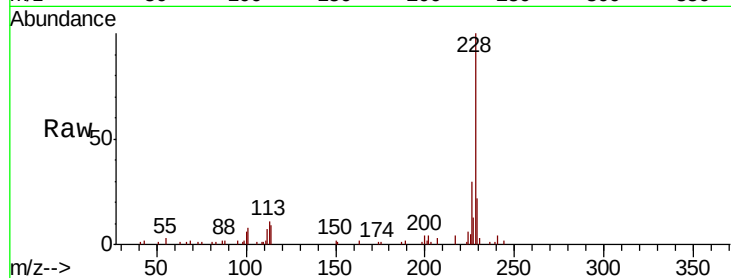




#83
Chrysene
Concen: 7.628 ng
RT: 13.92 min Scan# 2012
Delta R.T. 0.00 min
Lab File: BF117563.D
Acq: 28 Oct 2019 16:04

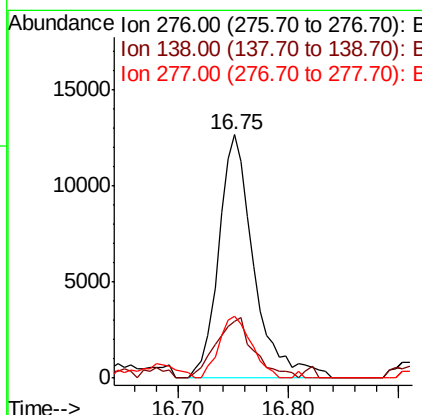
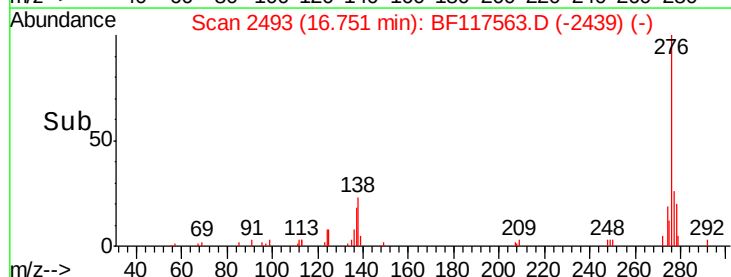
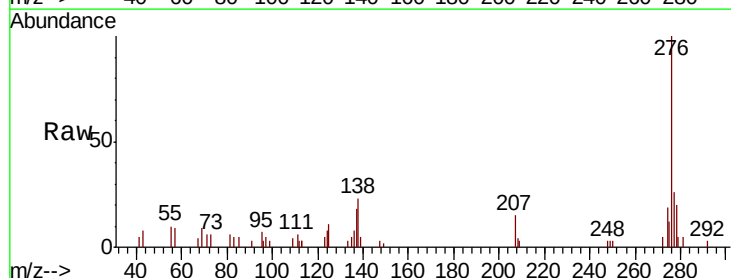
Instrument :
BNA_E
ClientSampleId :

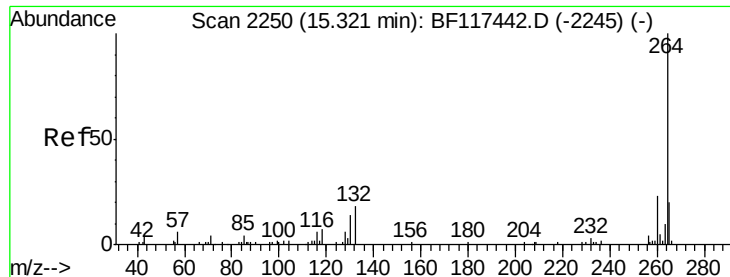
Tot Ion:228 Resp: 37367
Ion Ratio Lower Upper
228 100
226 30.0 23.9 35.9
229 22.0 15.8 23.6



#86
Indeno(1,2,3-cd)pyrene
Concen: 7.658 ng
RT: 16.75 min Scan# 2493
Delta R.T. 0.02 min
Lab File: BF117563.D
Acq: 28 Oct 2019 16:04

Tgt Ion:276 Resp: 28009
Ion Ratio Lower Upper
276 100
138 26.6 21.8 32.8
277 23.3 20.0 30.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.33 min Scan# 2252

Delta R.T. 0.01 min

Lab File: BF117563.D

Acq: 28 Oct 2019 16:04

Instrument :

BNA_E

ClientSampleId :

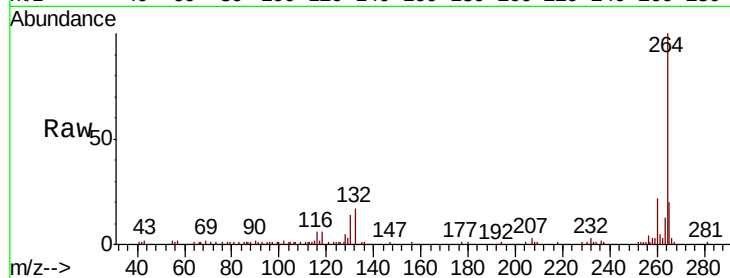
Tot Ion:264 Resp: 81463

Ion Ratio Lower Upper

264 100

260 21.6 18.4 27.6

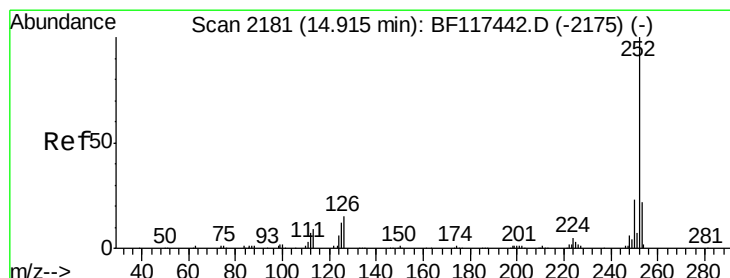
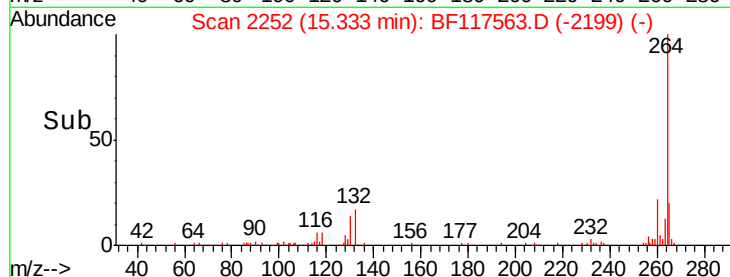
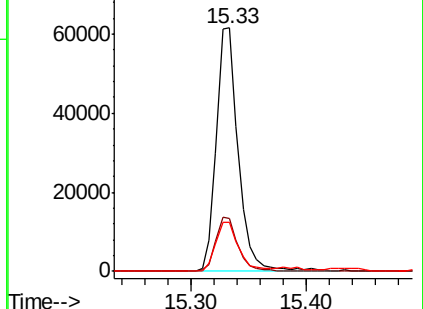
265 20.4 16.1 24.1



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: 13.520 ng

RT: 14.92 min Scan# 2182

Delta R.T. 0.01 min

Lab File: BF117563.D

Acq: 28 Oct 2019 16:04

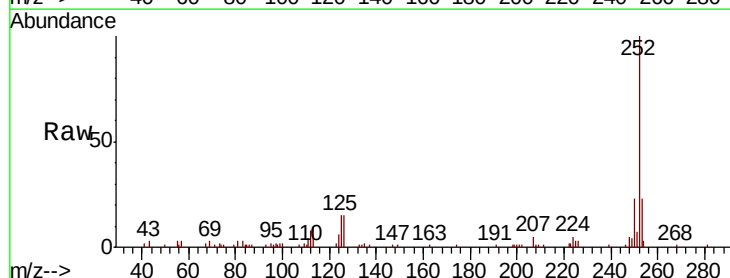
Tgt Ion:252 Resp: 65038

Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.6

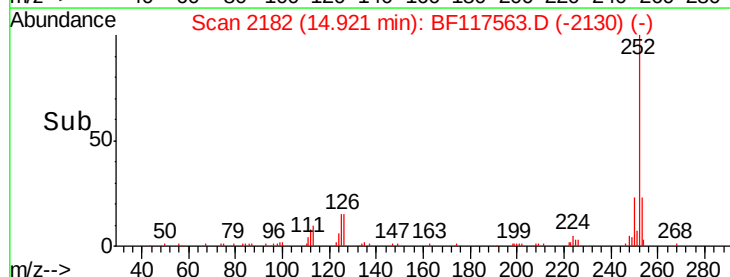
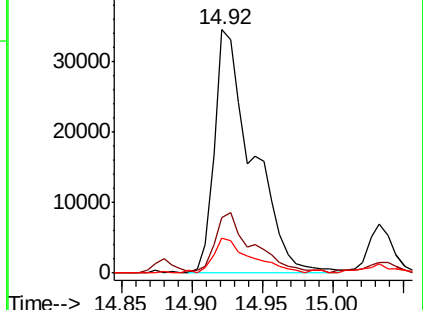
125 14.6 9.9 14.9

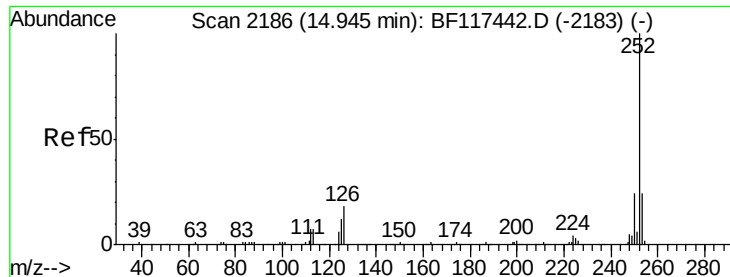


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

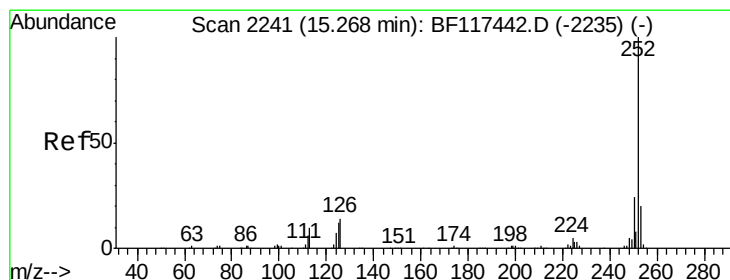
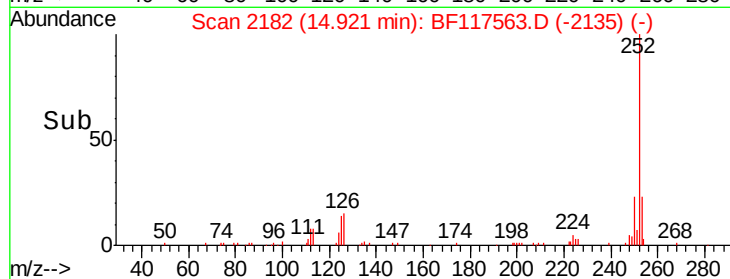
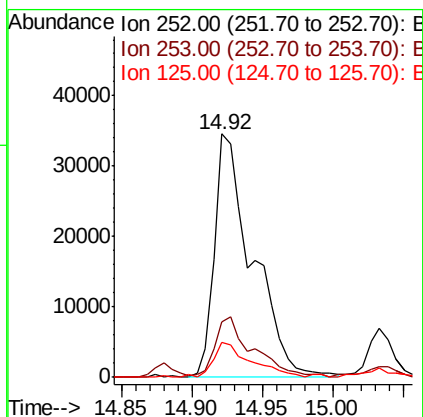
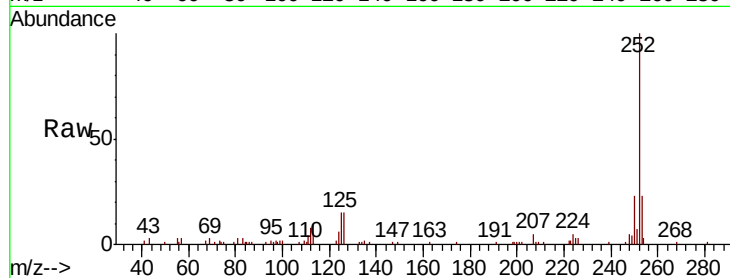




#89
Benzo(k)fluoranthene
Concen: 13.191 ng
RT: 14.92 min Scan# 2182
Delta R.T. -0.02 min
Lab File: BF117563.D
Acq: 28 Oct 2019 16:04

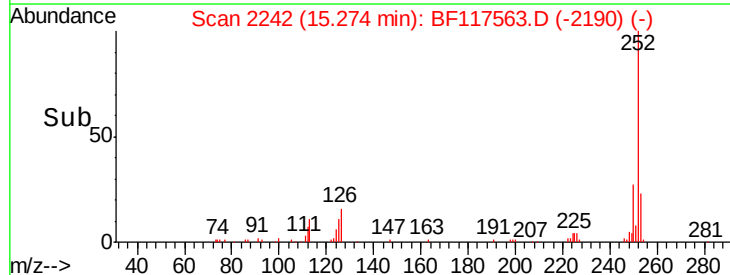
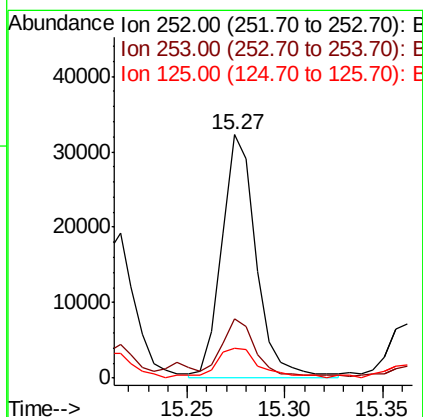
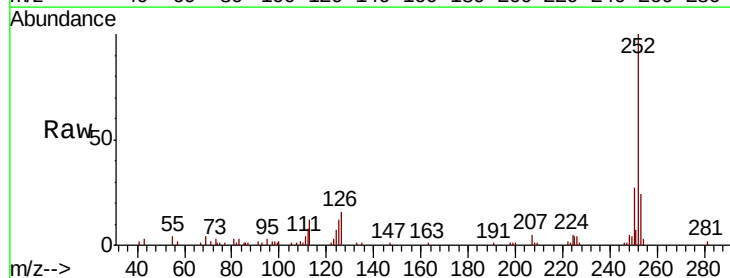
Instrument :
BNA_E
ClientSampleId :

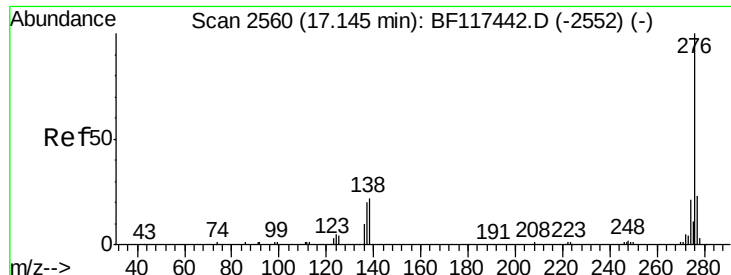
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.0	27.0
125	14.6	8.9	13.3



#90
Benzo(a)pyrene
Concen: 9.115 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.01 min
Lab File: BF117563.D
Acq: 28 Oct 2019 16:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	16.3	24.5
125	12.0	9.2	13.8





#92

Benzo(a,h,i)perylene

Concen: 7.168 ng

RT: 17.18 min Scan# 2566

Delta R.T. 0.04 min

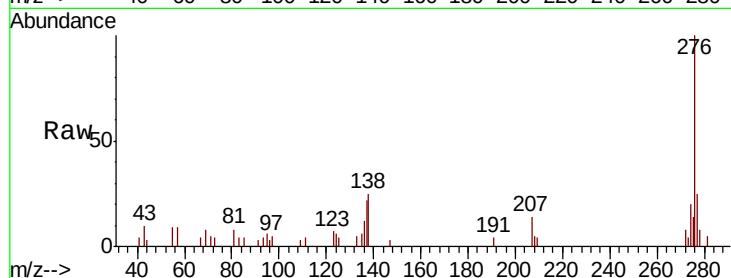
Lab File: BF117563.D

Acq: 28 Oct 2019 16:04

Instrument :

BNA_E

ClientSampleId :



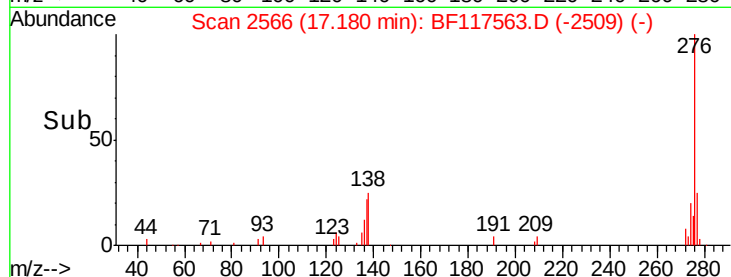
Tot Ion: 276 Resp: 25650

Ion Ratio Lower Upper

276 100

277 25.4 18.4 27.6

138 24.9 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

