

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
 Data File : BF117581.D
 Acq On : 29 Oct 2019 10:57
 Operator : JU
 Sample : K5563-10
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 30 01:18:07 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	49190	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	204865	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	94522	20.00	ng	-0.01
64) Phenanthrene-d10	11.24	188	125721	20.00	ng	0.00
76) Chrysene-d12	13.89	240	83453	20.00	ng	0.00
87) Perylene-d12	15.33	264	98676	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.36	112	286567	86.67	ng	0.00
7) Phenol-d6	6.39	99	385339	86.77	ng	0.00
23) Nitrobenzene-d5	7.29	82	242752	58.50	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	54011	66.04	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	309980	46.21	ng	-0.01
79) Terphenyl-d14	12.83	244	180472	35.27	ng	0.00

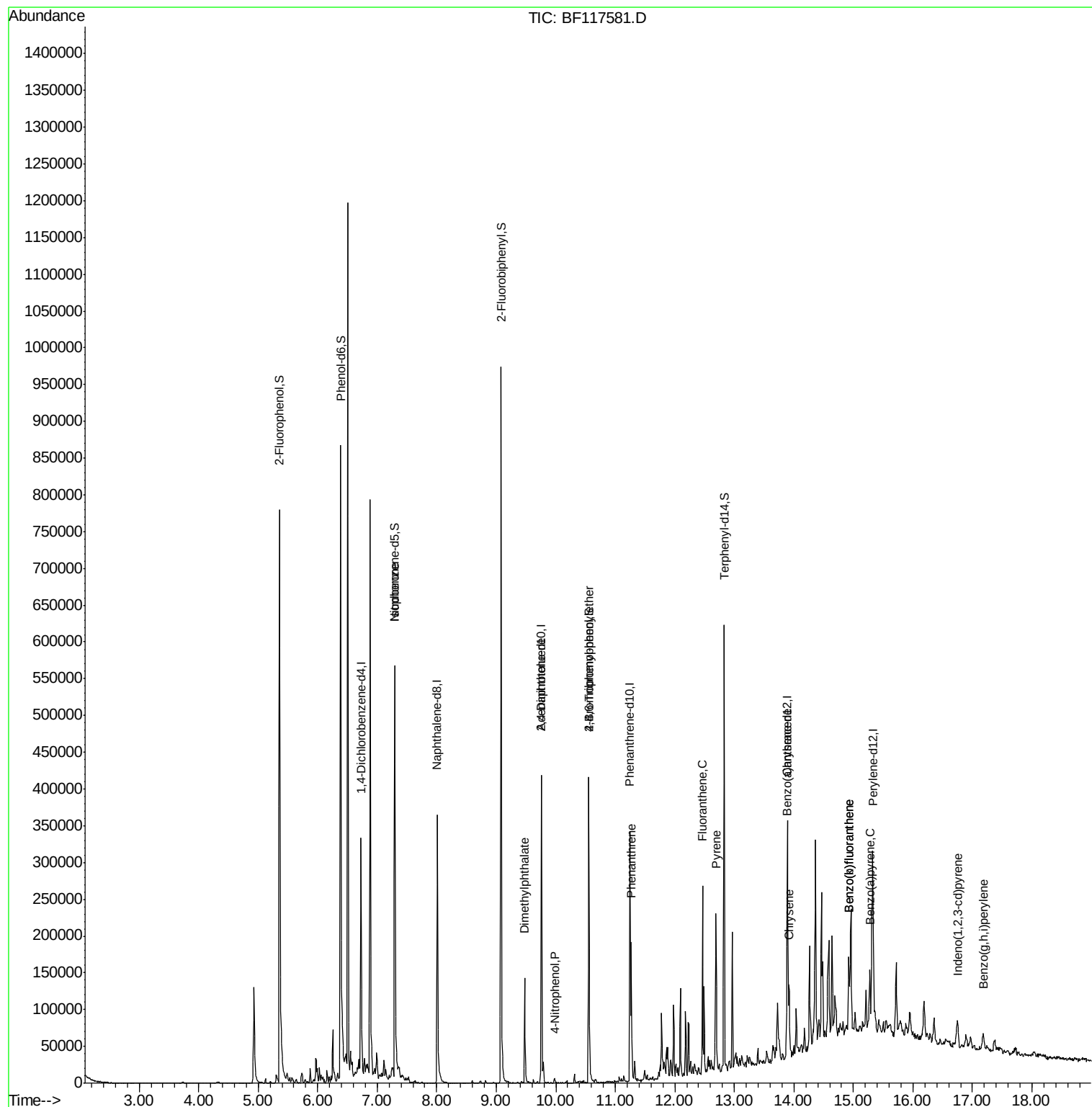
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.25	77	574	Below Cal	#	1
25) Isophorone	7.29	82	242752	33.815	ng	# 66
50) Dimethylphthalate	9.48	163	63373	9.405	ng	98
56) 4-Nitrophenol	9.97	139	1707	6.192	ng	# 6
57) 2,4-Dinitrotoluene	9.76	165	11800	6.312	ng	# 14
67) 4-Bromophenyl-phenylether	10.55	248	3212	2.372	ng	# 1
71) Phenanthrene	11.27	178	75268	10.310	ng	98
75) Fluoranthene	12.46	202	97611	13.357	ng	99
77) Benzidine	12.83	184	2329	Below Cal	#	85
78) Pyrene	12.69	202	84220	11.749	ng	99
81) Benzo(a)anthracene	13.88	228	41355	7.346	ng	99
83) Chrysene	13.92	228	38144	6.914	ng	98
86) Indeno(1,2,3-cd)pyrene	16.75	276	18865	4.580	ng	99
88) Benzo(b)fluoranthene	14.92	252	65046	11.163	ng	99
89) Benzo(k)fluoranthene	14.92	252	65046	10.891	ng	98
90) Benzo(a)pyrene	15.27	252	35877	6.772	ng	# 88
92) Benzo(a,h,i)perylene	17.18	276	16264	3.752	ng	# 86

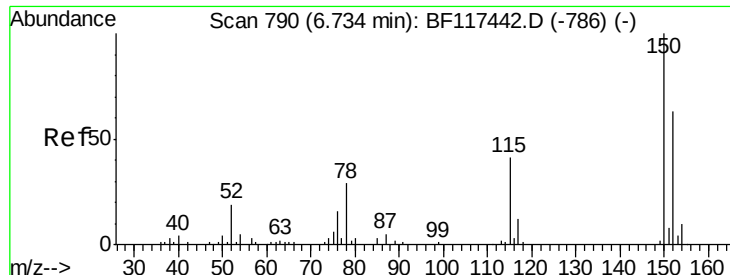
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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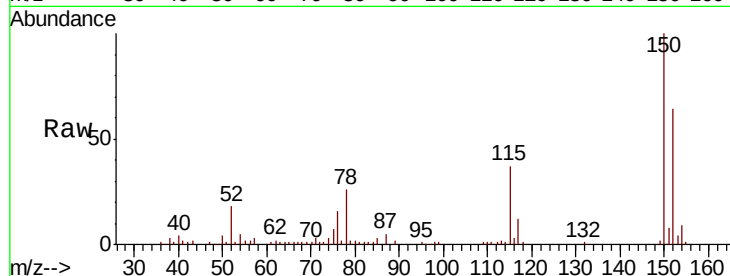


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117581.D
Acq: 29 Oct 2019 10:57

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	126.8	190.2
115	58.4	51.6	77.4

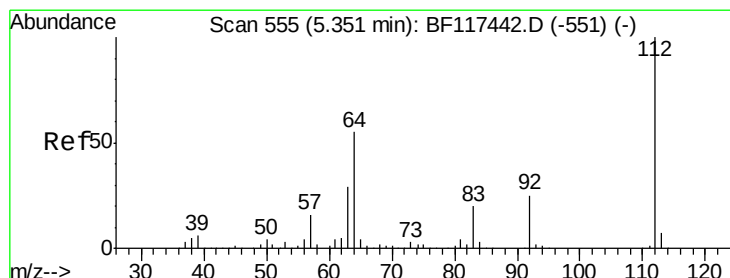
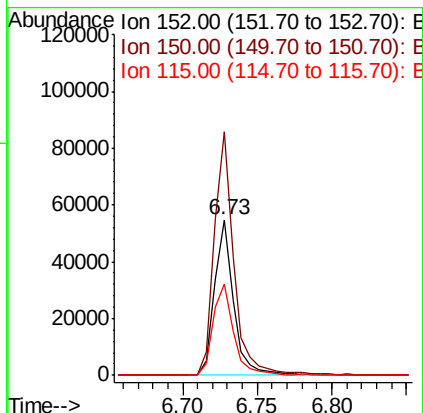
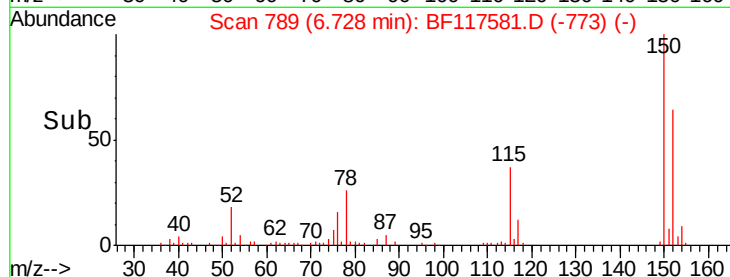


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

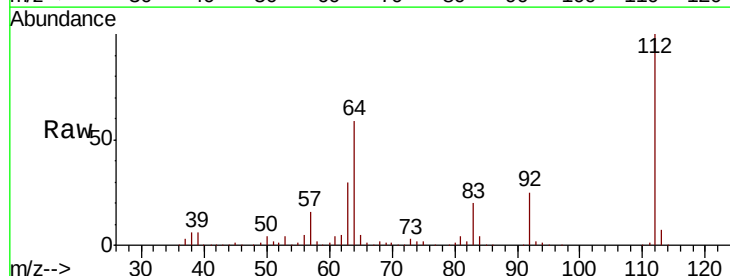
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 86.669 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF117581.D
Acq: 29 Oct 2019 10:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.4	44.1	66.1
63	30.2	23.4	35.2

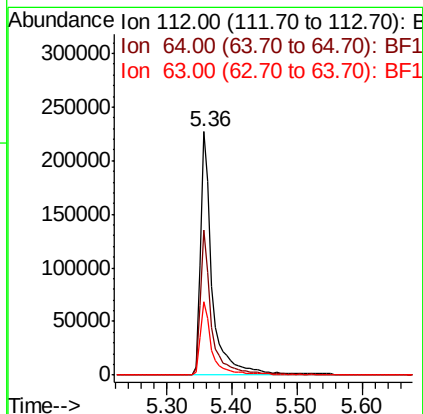
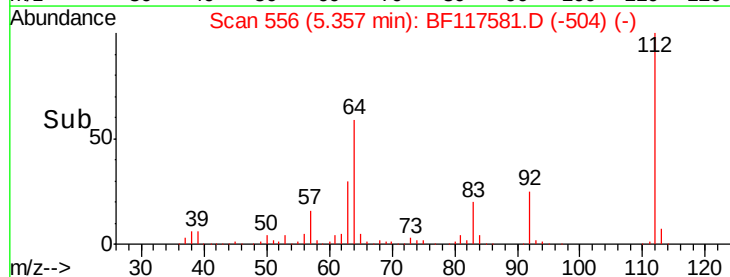


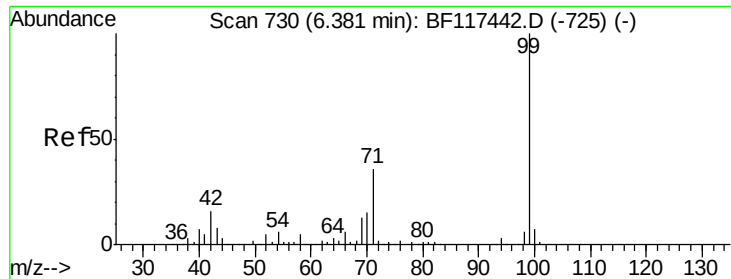
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 86.770 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117581.D

Acq: 29 Oct 2019 10:57

Instrument :

BNA_F

ClientSampleId :

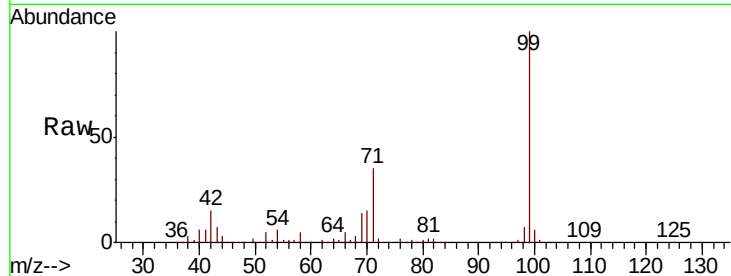
Tot Ion: 99 Resp: 385339

Ion Ratio Lower Upper

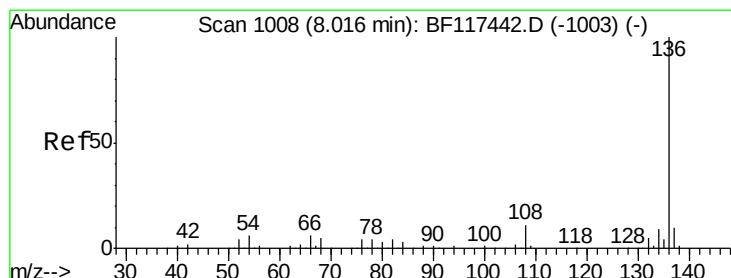
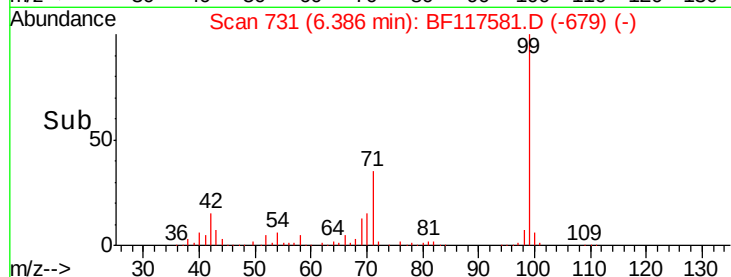
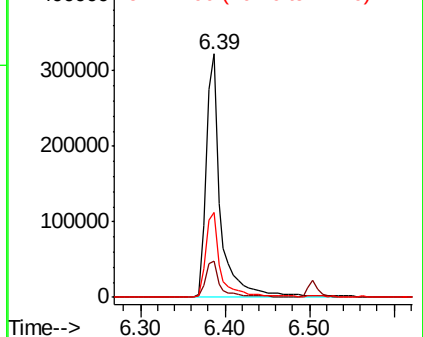
99 100

42 14.9 12.8 19.2

71 34.8 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF117581.D

Acq: 29 Oct 2019 10:57

Tgt Ion: 136 Resp: 204865

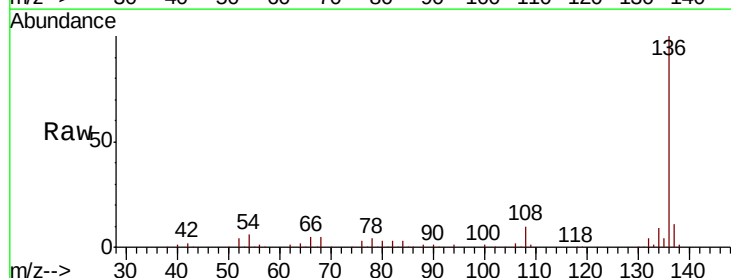
Ion Ratio Lower Upper

136 100

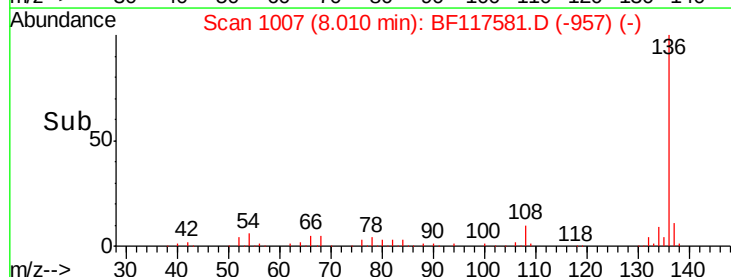
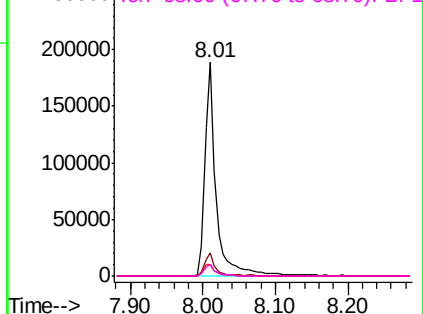
137 10.7 8.2 12.4

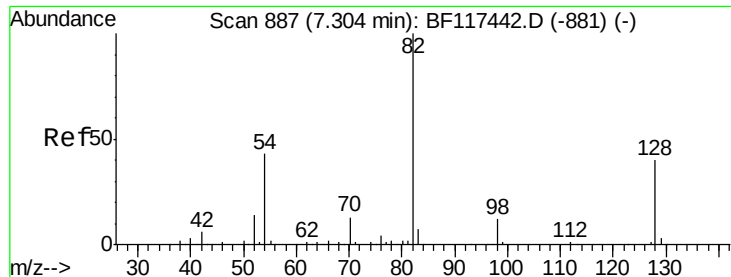
54 5.6 4.5 6.7

68 5.3 4.3 6.5



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

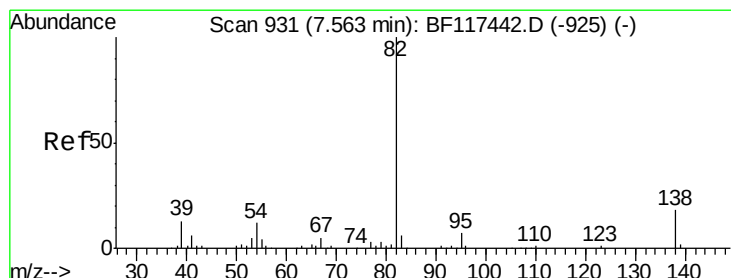
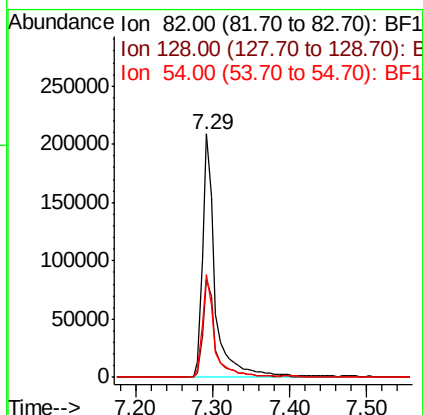
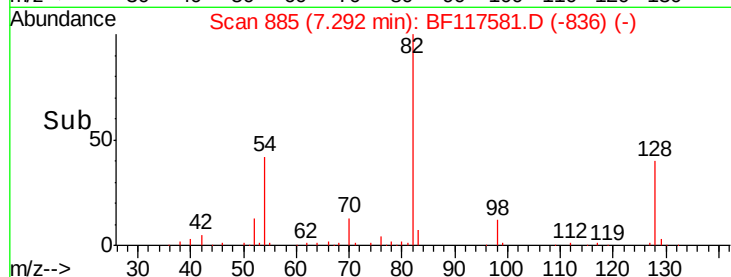
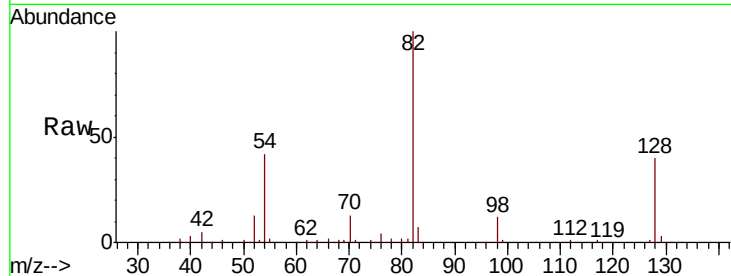




#23
Nitrobenzene-d5
Concen: 58.498 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF117581.D
Acq: 29 Oct 2019 10:57

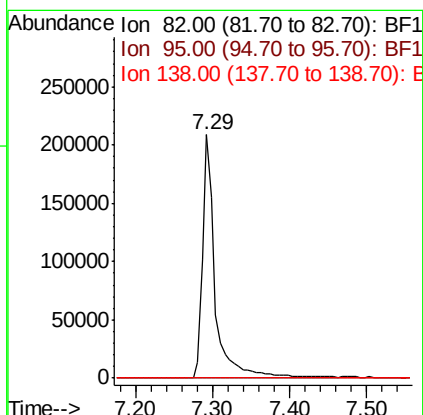
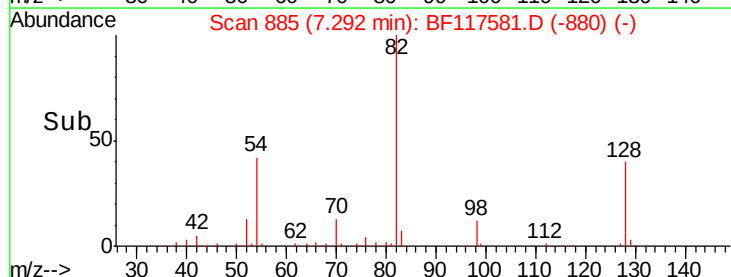
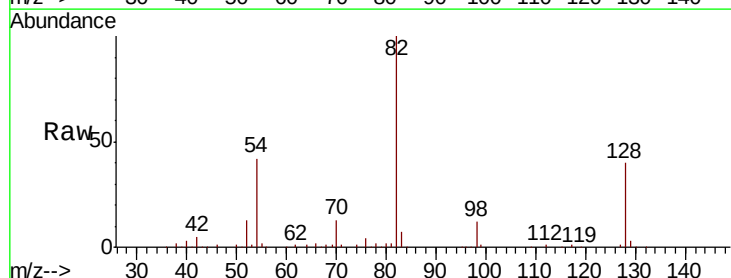
Instrument :
BNA_F
ClientSampleId :

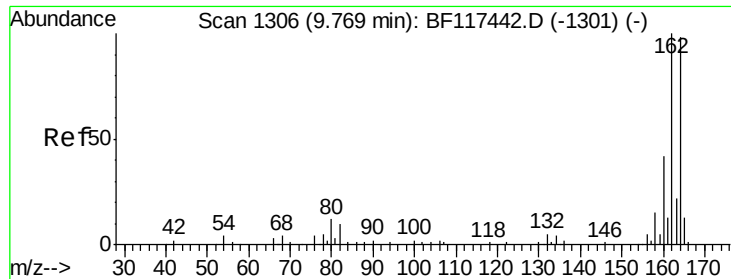
Tot Ion: 82 Resp: 242752
Ion Ratio Lower Upper
82 100
128 40.0 32.2 48.2
54 42.0 34.2 51.2



#25
Isophorone
Concen: 33.815 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.27 min
Lab File: BF117581.D
Acq: 29 Oct 2019 10:57

Tgt Ion: 82 Resp: 242752
Ion Ratio Lower Upper
82 100
95 0.3 5.4 8.0#
138 0.0 14.2 21.2#

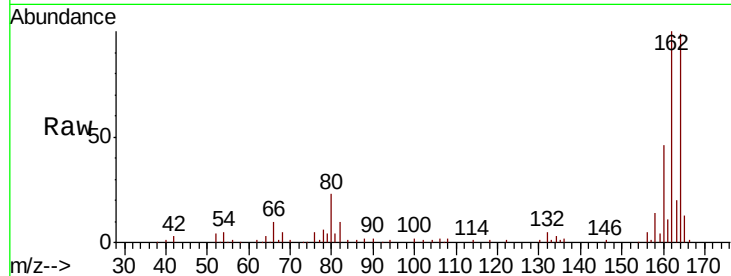




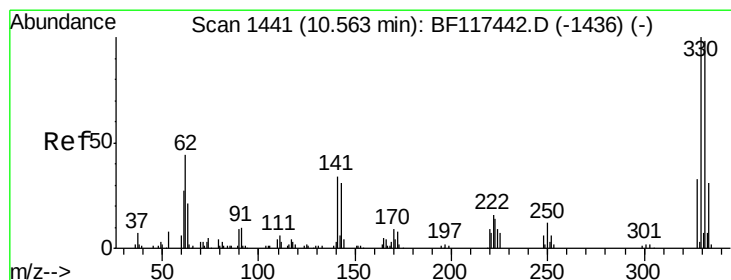
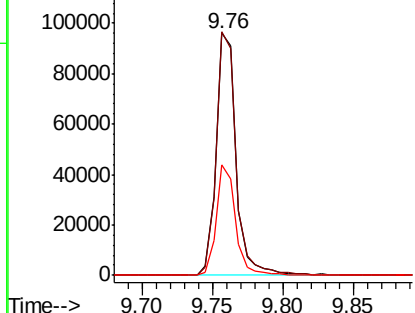
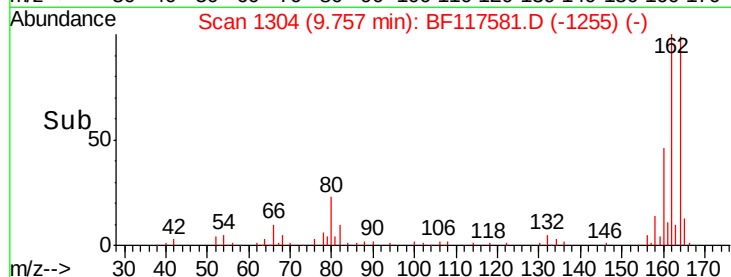
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF117581.D
 Acq: 29 Oct 2019 10:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 94522
 Ion Ratio Lower Upper
 164 100
 162 100.5 81.8 122.6
 160 45.9 34.4 51.6

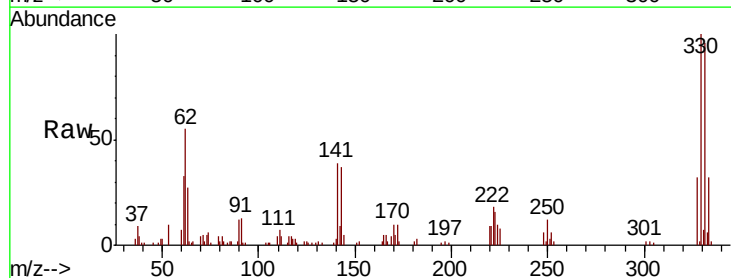


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

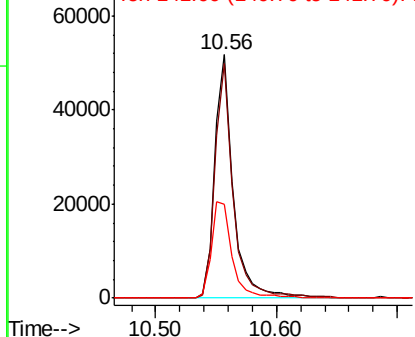
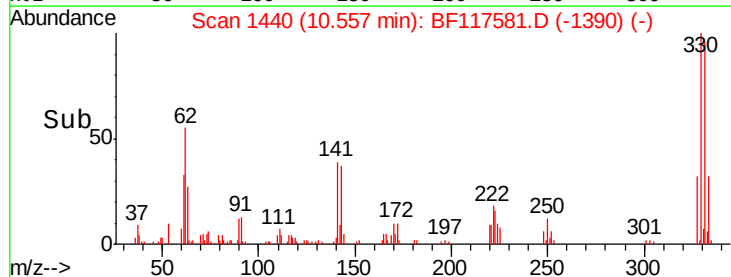


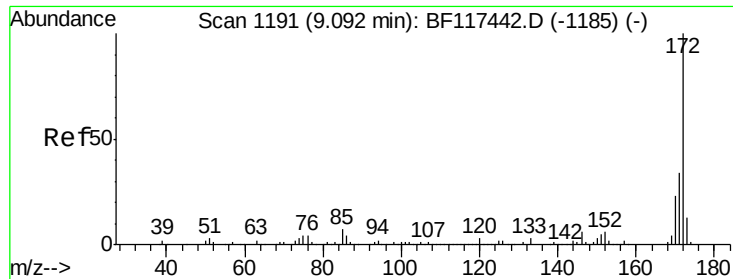
#42
 2,4,6-Tribromophenol
 Concen: 66.040 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BF117581.D
 Acq: 29 Oct 2019 10:57

Tgt Ion:330 Resp: 54011
 Ion Ratio Lower Upper
 330 100
 332 95.7 78.5 117.7
 141 44.8 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

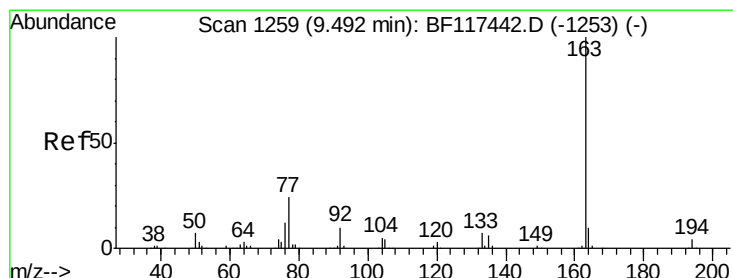
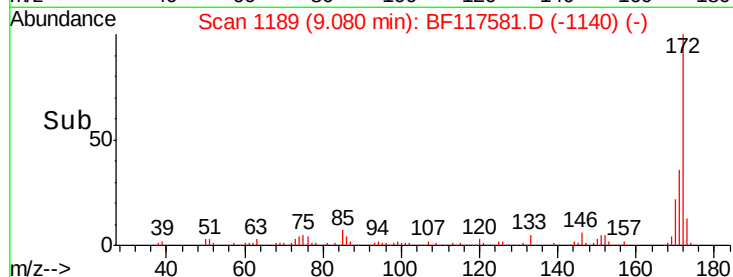
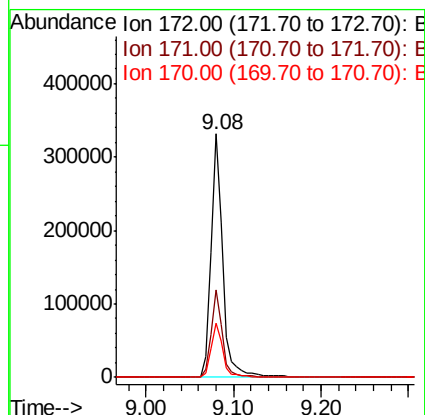
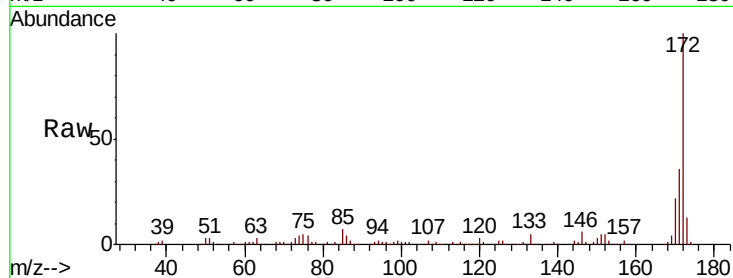




#45
2-Fluorobiphenyl
Concen: 46.207 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF117581.D
Acq: 29 Oct 2019 10:57

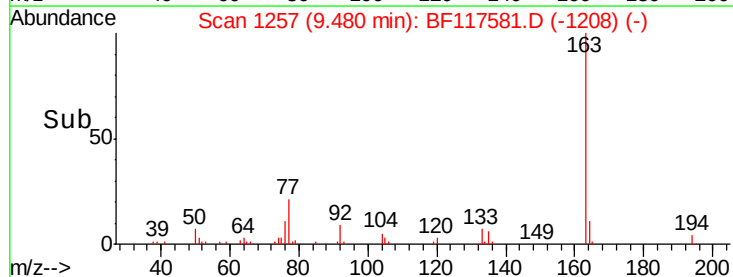
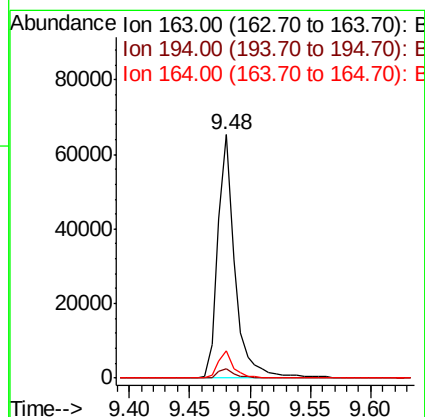
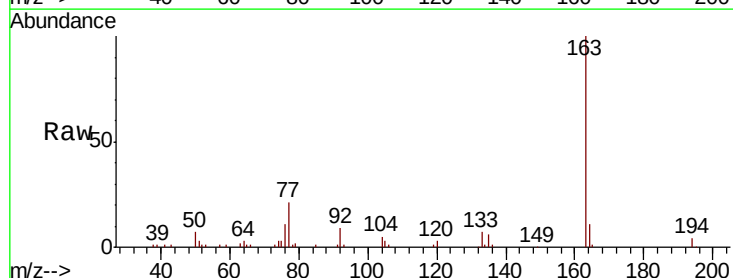
Instrument :
BNA_F
ClientSampleId :

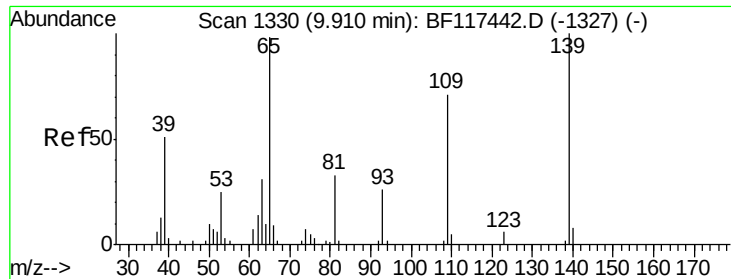
Tot Ion:172 Resp: 309980
Ion Ratio Lower Upper
172 100
171 35.7 27.5 41.3
170 22.2 18.6 27.8



#50
Dimethylphthalate
Concen: 9.405 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117581.D
Acq: 29 Oct 2019 10:57

Tgt Ion:163 Resp: 63373
Ion Ratio Lower Upper
163 100
194 3.9 2.9 4.3
164 11.3 8.2 12.2

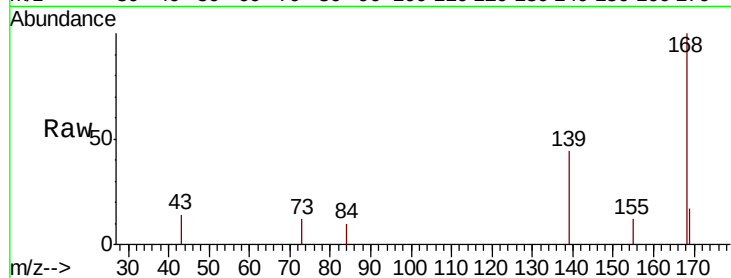




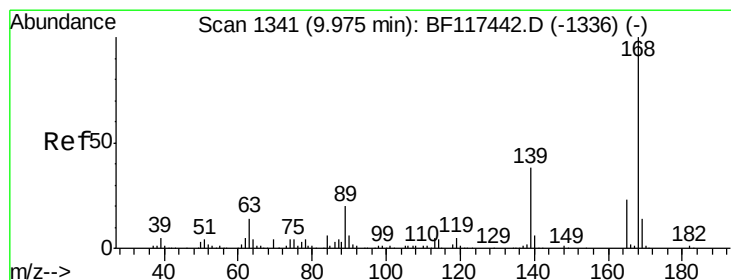
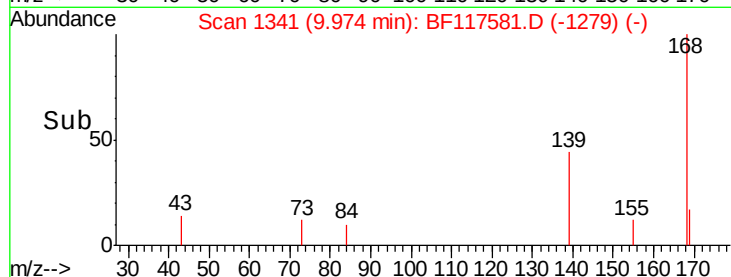
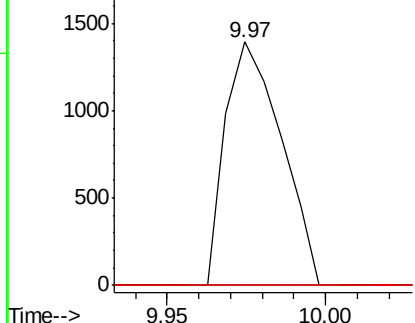
#56
4-Nitrophenol
Concen: 6.192 ng
RT: 9.97 min Scan# 1341
Delta R.T. 0.07 min
Lab File: BF117581.D
Acq: 29 Oct 2019 10:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 1707
Ion Ratio Lower Upper
139 100
109 0.0 51.4 91.4#
65 0.0 79.4 119.4#

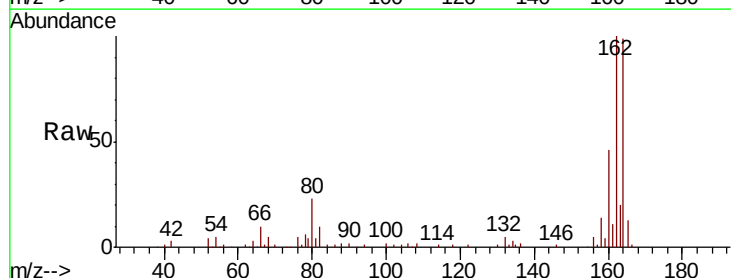


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

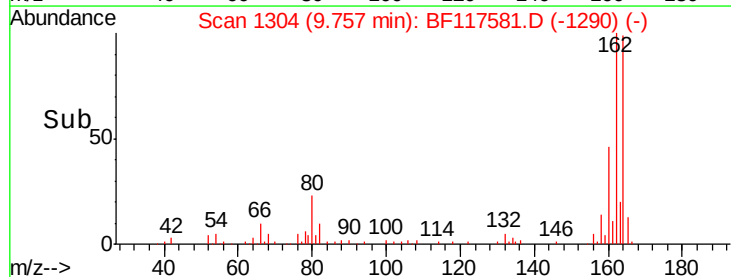
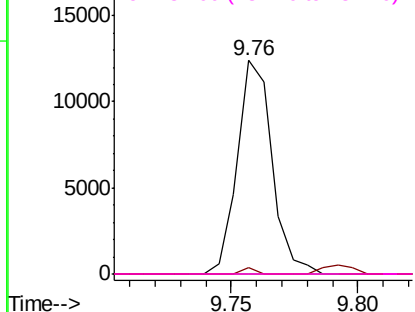


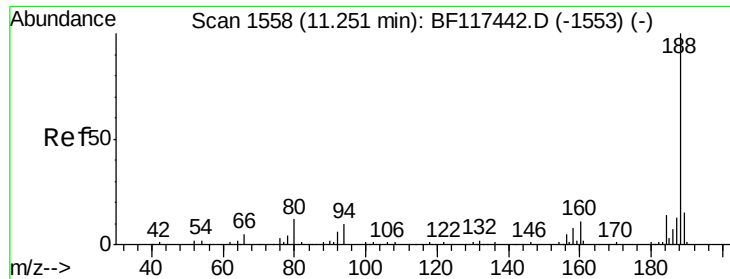
#57
2,4-Dinitrotoluene
Concen: 6.312 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.22 min
Lab File: BF117581.D
Acq: 29 Oct 2019 10:57

Tgt Ion:165 Resp: 11800
Ion Ratio Lower Upper
165 100
63 2.8 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

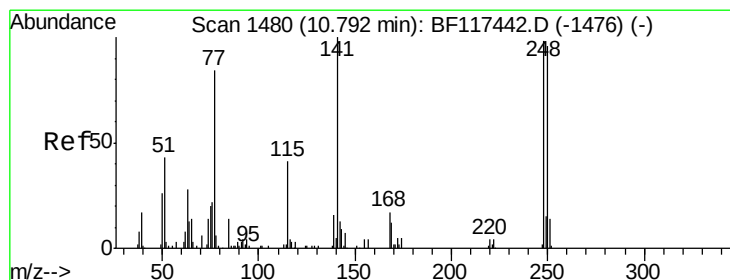
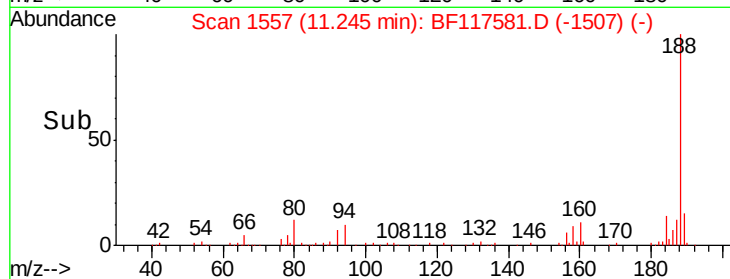
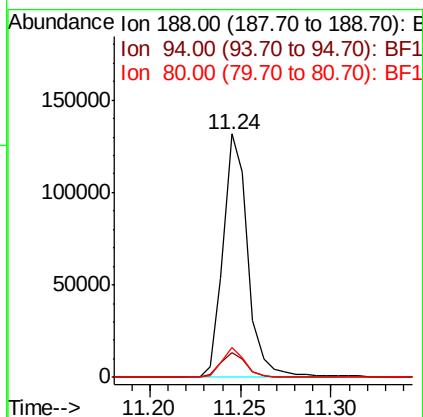
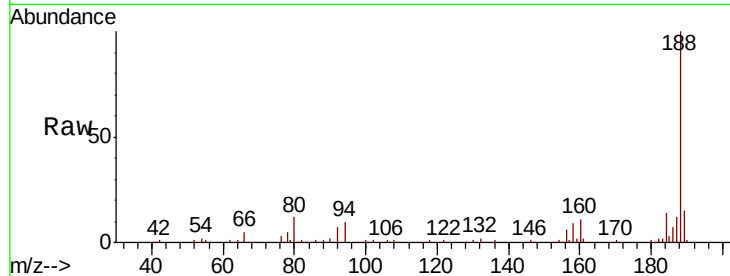




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: BF117581.D
 Acq: 29 Oct 2019 10:57

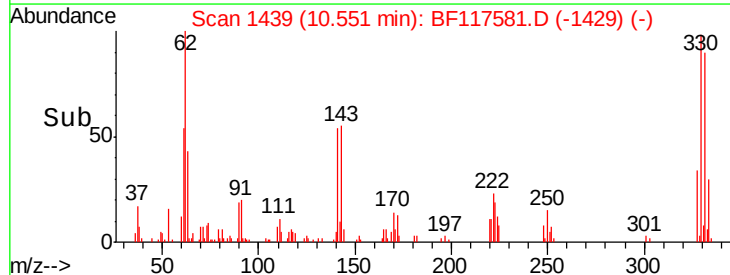
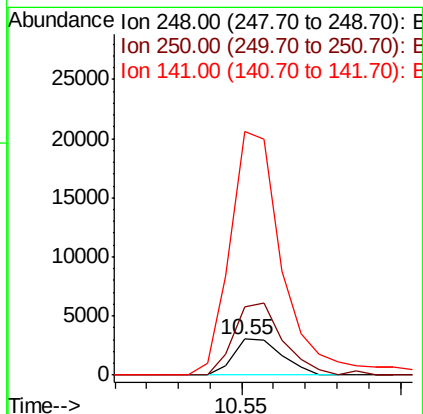
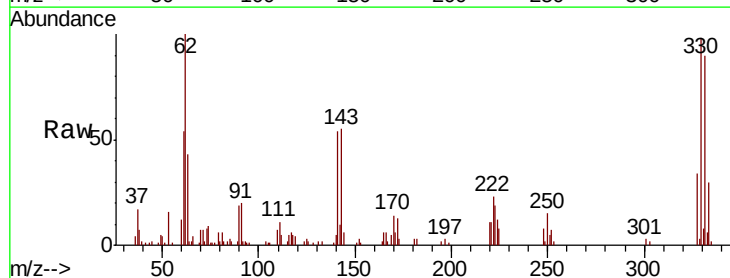
Instrument :
 BNA_F
 ClientSampleId :

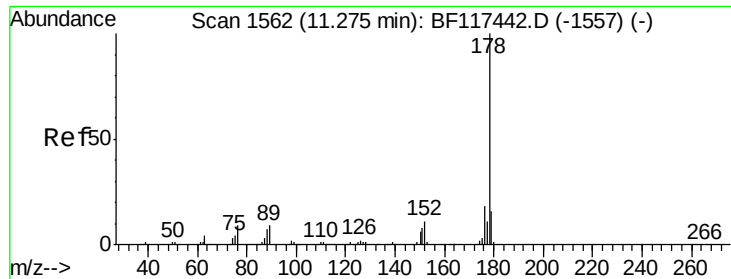
Tot Ion:188 Resp: 125721
 Ion Ratio Lower Upper
 188 100
 94 10.0 8.0 12.0
 80 12.2 9.5 14.3



#67
 4-Bromophenyl-phenylether
 Concen: 2.372 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.24 min
 Lab File: BF117581.D
 Acq: 29 Oct 2019 10:57

Tgt Ion:248 Resp: 3212
 Ion Ratio Lower Upper
 248 100
 250 187.7 78.0 117.0#
 141 674.5 81.7 122.5#





#71

Phenanthrene

Concen: 10.310 ng

RT: 11.27 min Scan# 1561

Delta R.T. -0.01 min

Lab File: BF117581.D

Acq: 29 Oct 2019 10:57

Instrument :

BNA_F

ClientSampleId :

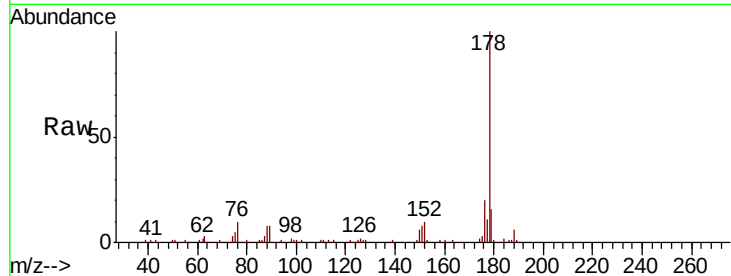
Tot Ion:178 Resp: 75268

Ion Ratio Lower Upper

178 100

176 19.6 14.6 22.0

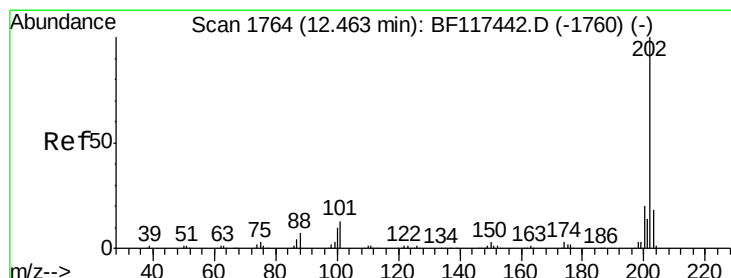
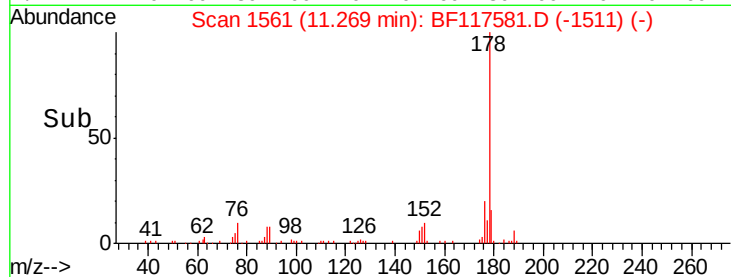
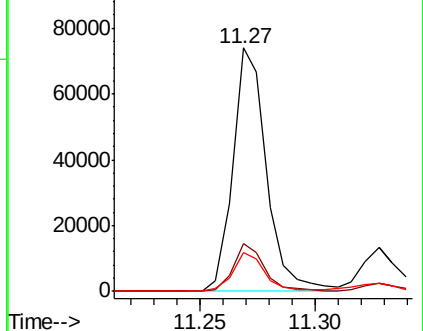
179 16.0 12.6 19.0



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: 13.357 ng

RT: 12.46 min Scan# 1764

Delta R.T. -0.00 min

Lab File: BF117581.D

Acq: 29 Oct 2019 10:57

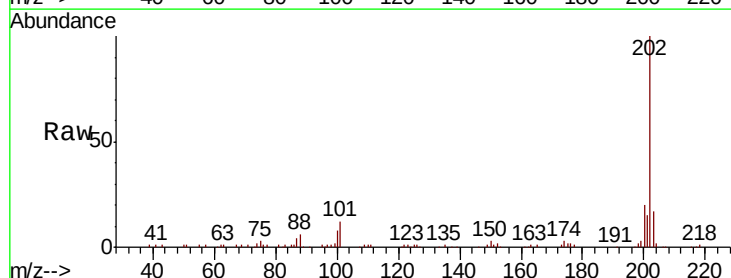
Tgt Ion:202 Resp: 97611

Ion Ratio Lower Upper

202 100

101 12.1 0.0 32.7

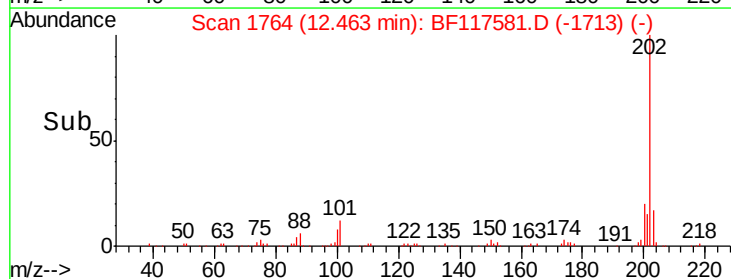
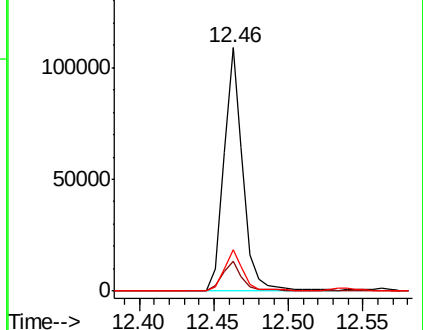
203 17.1 0.0 37.6

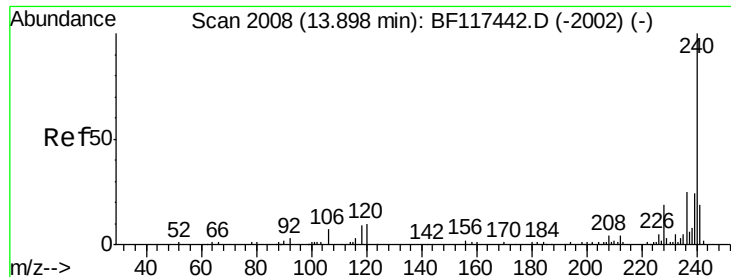


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

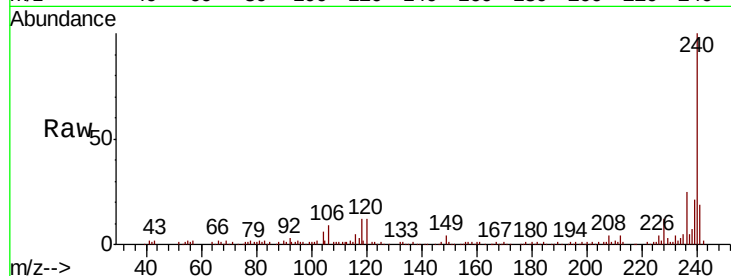




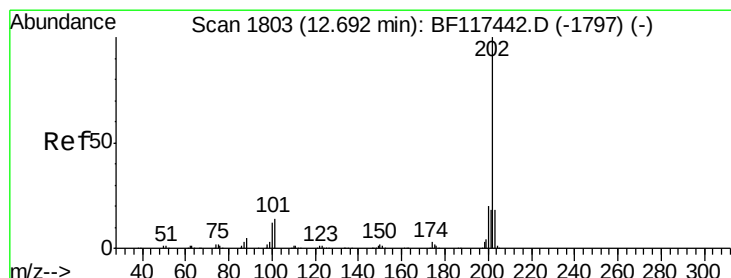
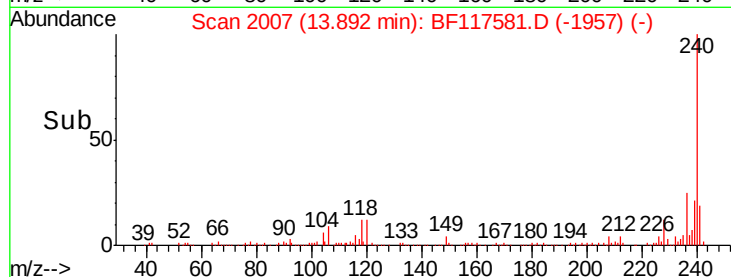
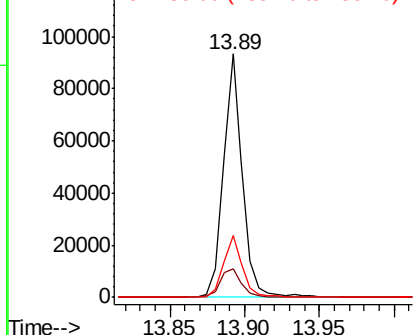
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF117581.D
Acq: 29 Oct 2019 10:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 83453
Ion Ratio Lower Upper
240 100
120 11.8 8.4 12.6
236 25.4 20.0 30.0

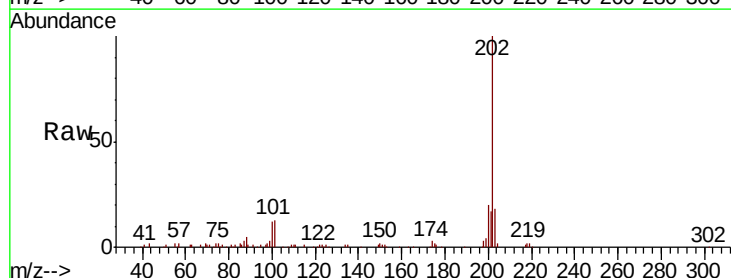


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

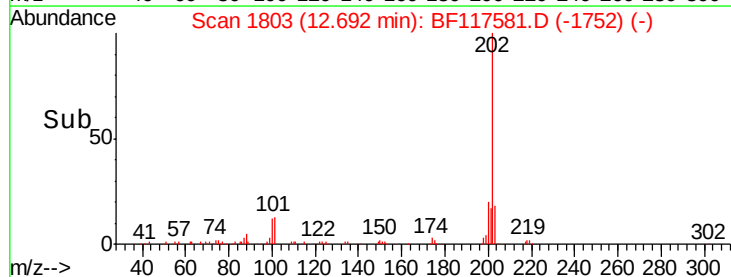
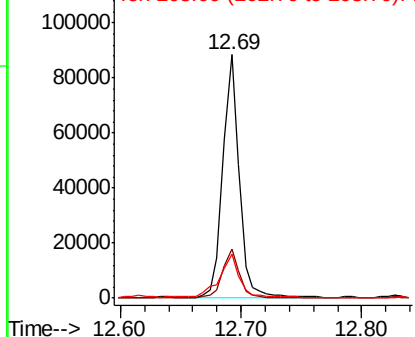


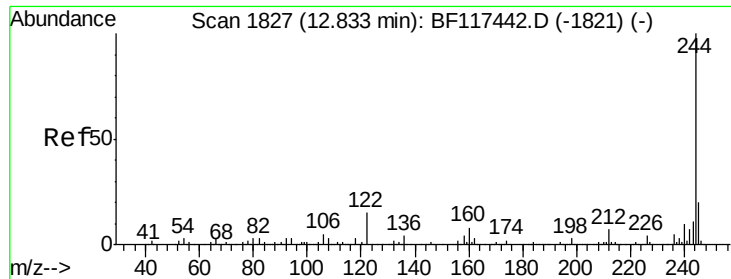
#78
Pyrene
Concen: 11.749 ng
RT: 12.69 min Scan# 1803
Delta R.T. -0.00 min
Lab File: BF117581.D
Acq: 29 Oct 2019 10:57

Tgt Ion:202 Resp: 84220
Ion Ratio Lower Upper
202 100
200 20.3 16.2 24.2
203 18.2 14.0 21.0



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 35.274 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF117581.D

Acq: 29 Oct 2019 10:57

Instrument :

BNA_F

ClientSampled :

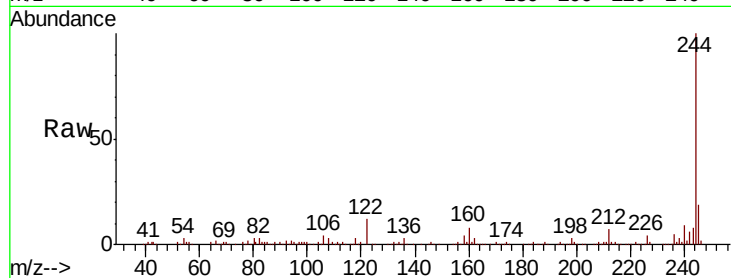
Tot Ion:244 Resp: 180472

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.6

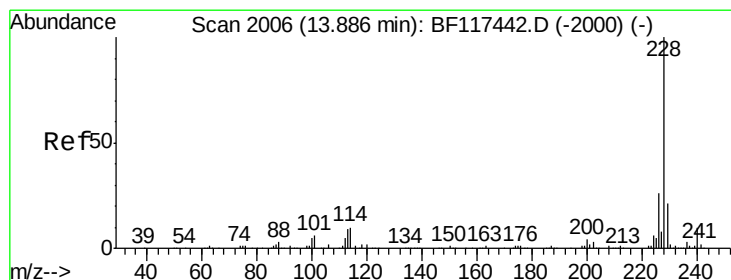
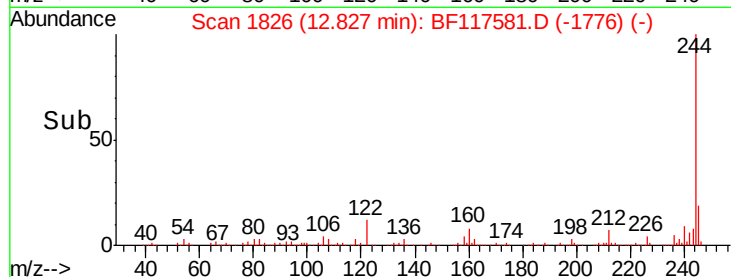
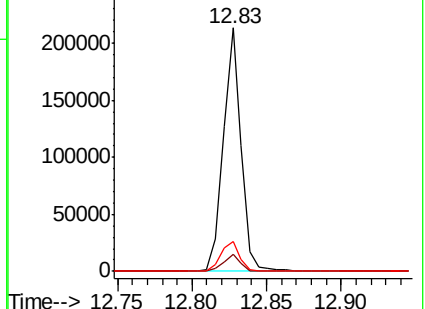
122 12.3 11.8 17.8



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 7.346 ng

RT: 13.88 min Scan# 2005

Delta R.T. -0.01 min

Lab File: BF117581.D

Acq: 29 Oct 2019 10:57

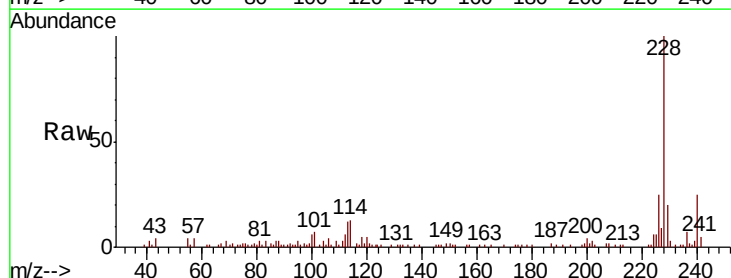
Tgt Ion:228 Resp: 41355

Ion Ratio Lower Upper

228 100

226 25.2 21.0 31.4

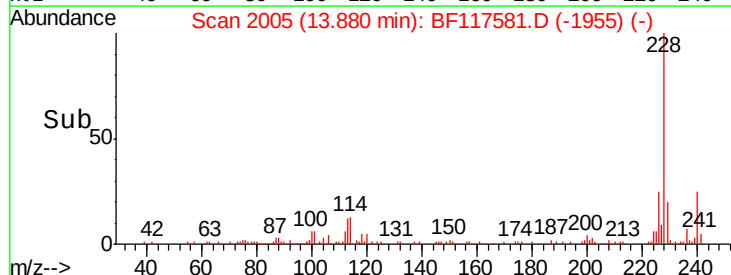
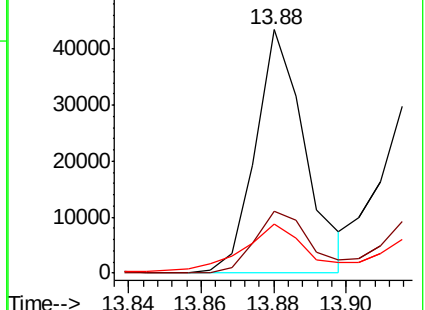
229 20.3 16.4 24.6

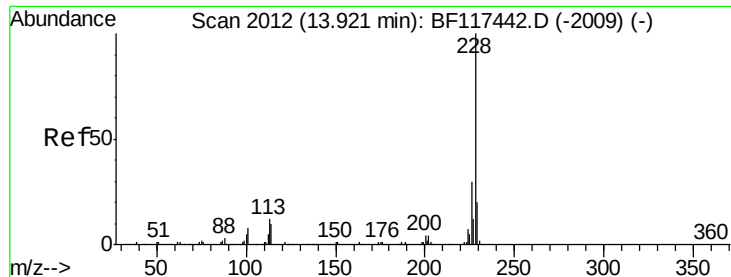


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

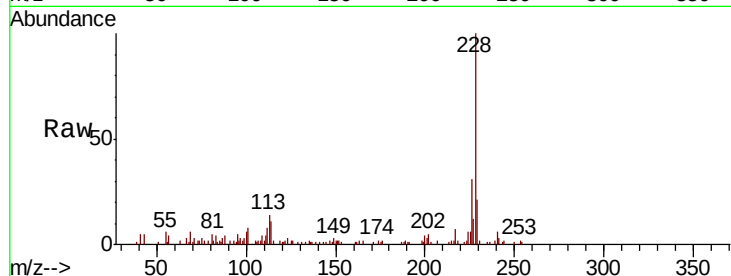




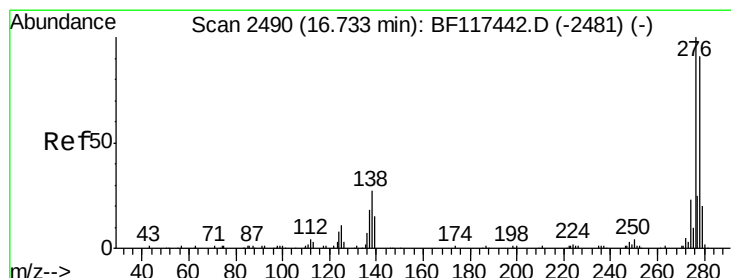
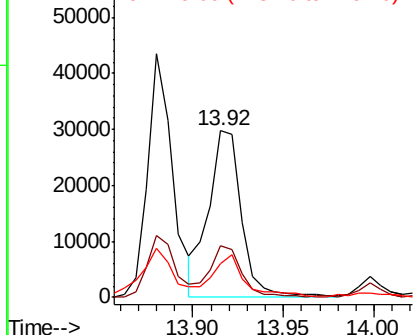
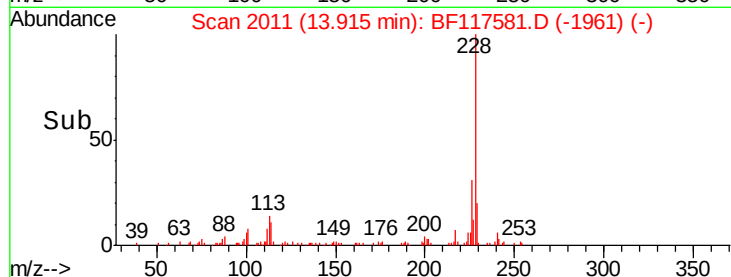
#83
Chrysene
Concen: 6.914 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BF117581.D
Acq: 29 Oct 2019 10:57

Instrument :
BNA_F
ClientSampled :

Tot Ion:228 Resp: 38144
Ion Ratio Lower Upper
228 100
226 30.7 23.9 35.9
229 20.6 15.8 23.6

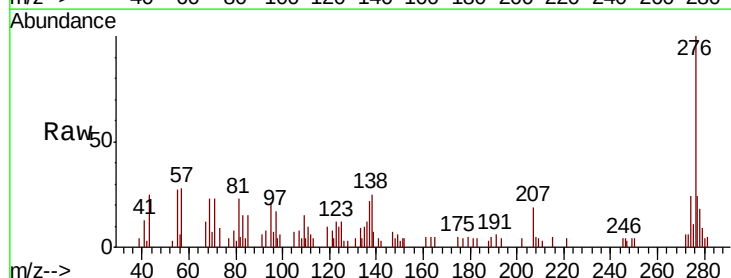


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

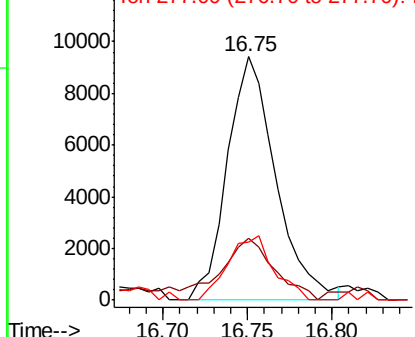
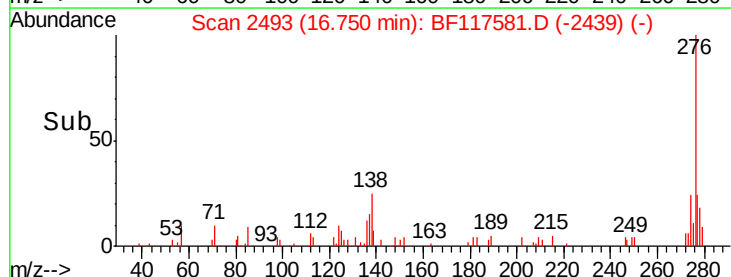


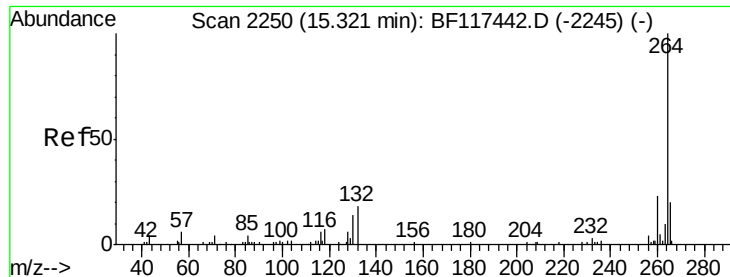
#86
Indeno(1,2,3-cd)pyrene
Concen: 4.580 ng
RT: 16.75 min Scan# 2493
Delta R.T. 0.02 min
Lab File: BF117581.D
Acq: 29 Oct 2019 10:57

Tgt Ion:276 Resp: 18865
Ion Ratio Lower Upper
276 100
138 27.6 21.8 32.8
277 24.7 20.0 30.0



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



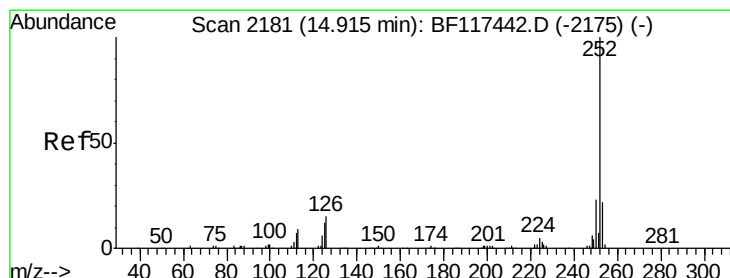
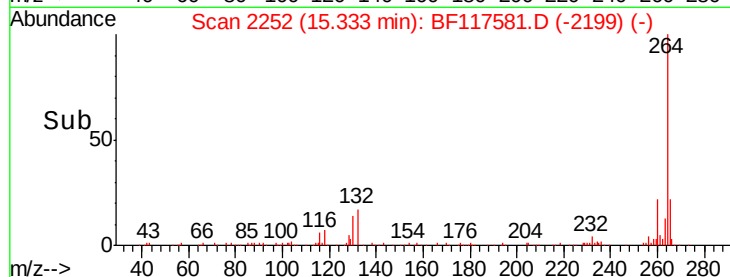
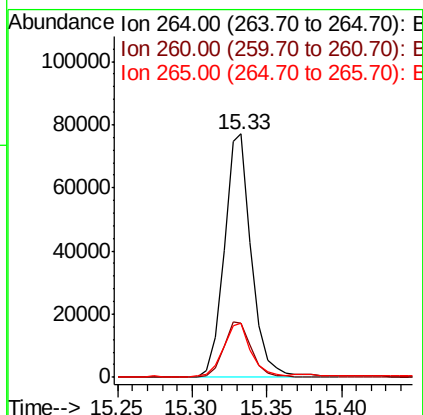
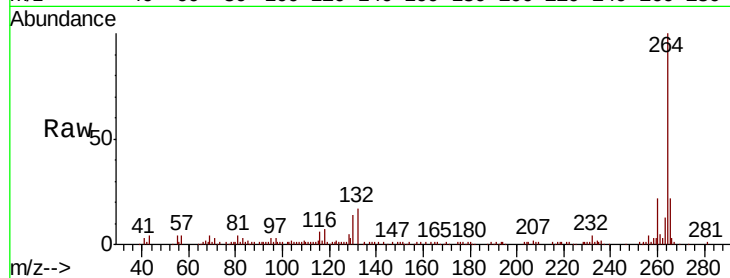


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF117581.D
Acq: 29 Oct 2019 10:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 98676

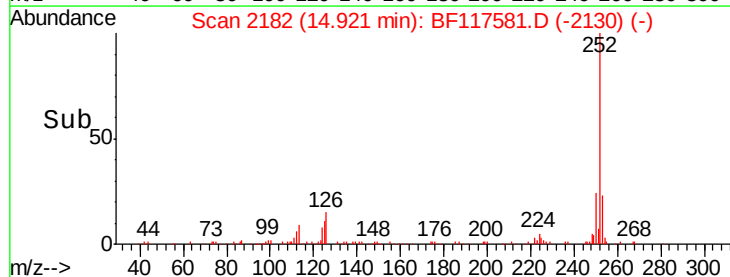
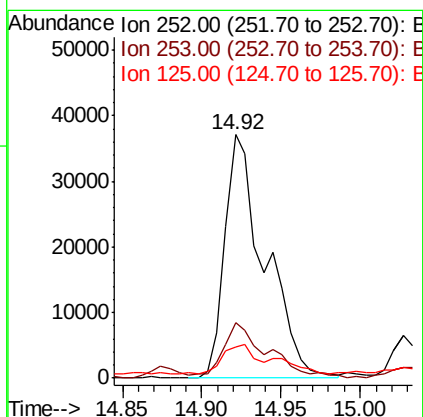
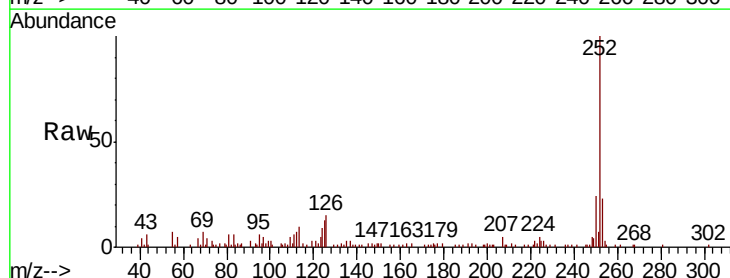
Ion	Ratio	Lower	Upper
264	100		
260	22.1	18.4	27.6
265	22.0	16.1	24.1

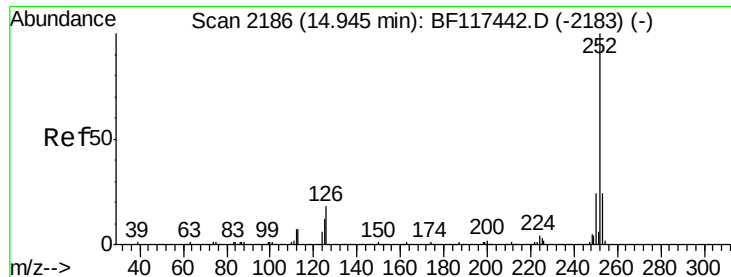


#88
Benzo(b)fluoranthene
Concen: 11.163 ng
RT: 14.92 min Scan# 2182
Delta R.T. 0.01 min
Lab File: BF117581.D
Acq: 29 Oct 2019 10:57

Tgt Ion:252 Resp: 65046

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.6
125	12.9	9.9	14.9

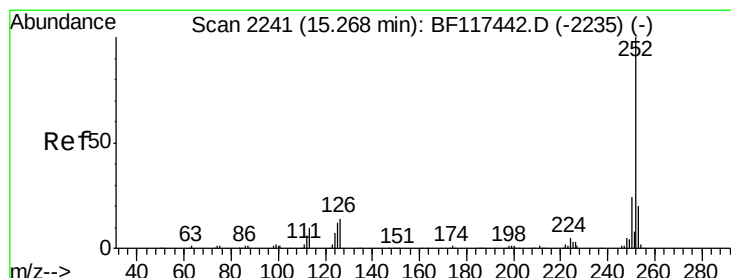
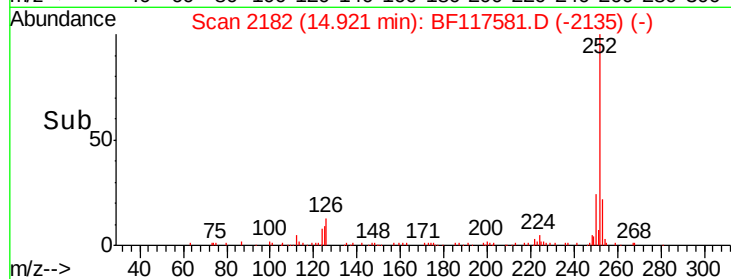
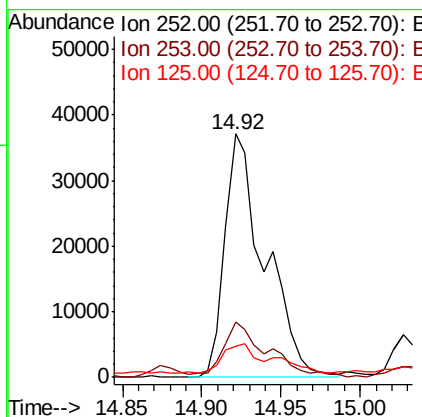
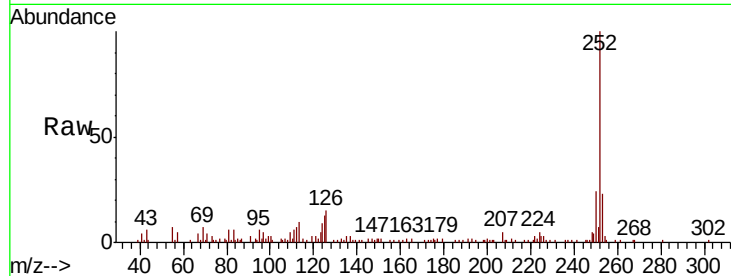




#89
Benzo(k)fluoranthene
Concen: 10.891 ng
RT: 14.92 min Scan# 2182
Delta R.T. -0.02 min
Lab File: BF117581.D
Acq: 29 Oct 2019 10:57

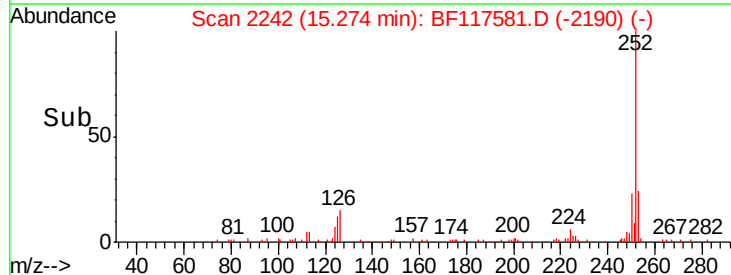
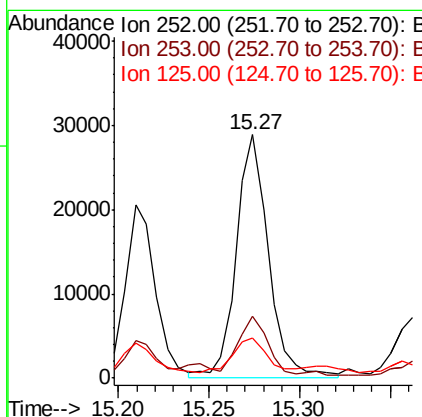
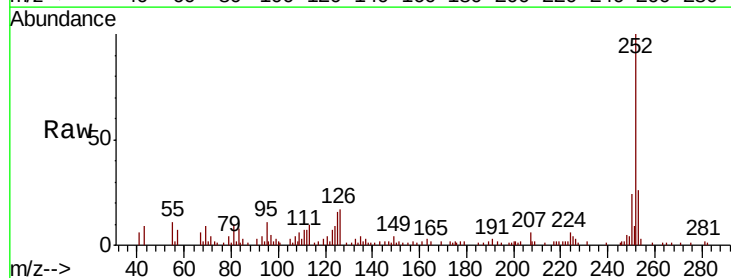
Instrument :
BNA_F
ClientSampleId :

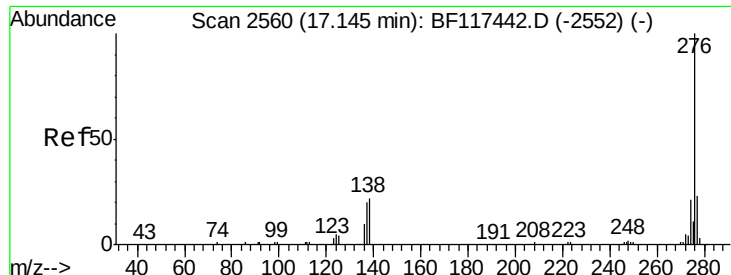
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	12.9	8.9	13.3



#90
Benzo(a)pyrene
Concen: 6.772 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.01 min
Lab File: BF117581.D
Acq: 29 Oct 2019 10:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.6	16.3	24.5#
125	16.4	9.2	13.8#





#92

Benzo(a,h,i)perylene

Concen: 3.752 ng

RT: 17.18 min Scan# 2566

Delta R.T. 0.04 min

Lab File: BF117581.D

Acq: 29 Oct 2019 10:57

Instrument :

BNA_F

ClientSampleId :

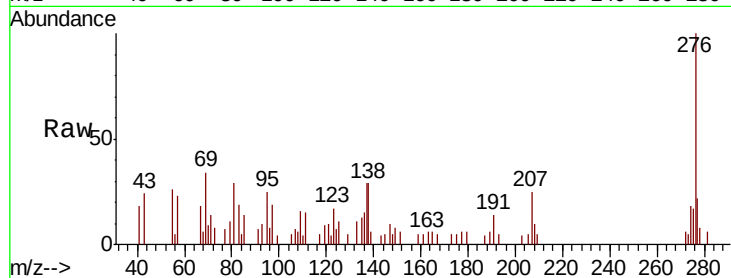
Tot Ion:276 Resp: 16264

Ion Ratio Lower Upper

276 100

277 22.2 18.4 27.6

138 35.5 17.8 26.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

