

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
 Data File : BF117582.D
 Acq On : 29 Oct 2019 11:24
 Operator : JU
 Sample : K5503-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 30 01:18:17 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	48780	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	198772	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	90754	20.00	ng	-0.01
64) Phenanthrene-d10	11.25	188	113804	20.00	ng	0.00
76) Chrysene-d12	13.89	240	85282	20.00	ng	0.00
87) Perylene-d12	15.33	264	98239	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.36	112	346871	105.79	ng	0.00
7) Phenol-d6	6.39	99	475505	107.97	ng	0.00
23) Nitrobenzene-d5	7.29	82	295514	73.40	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	68076	86.69	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	448197	69.58	ng	-0.01
79) Terphenyl-d14	12.83	244	255851	48.93	ng	0.00

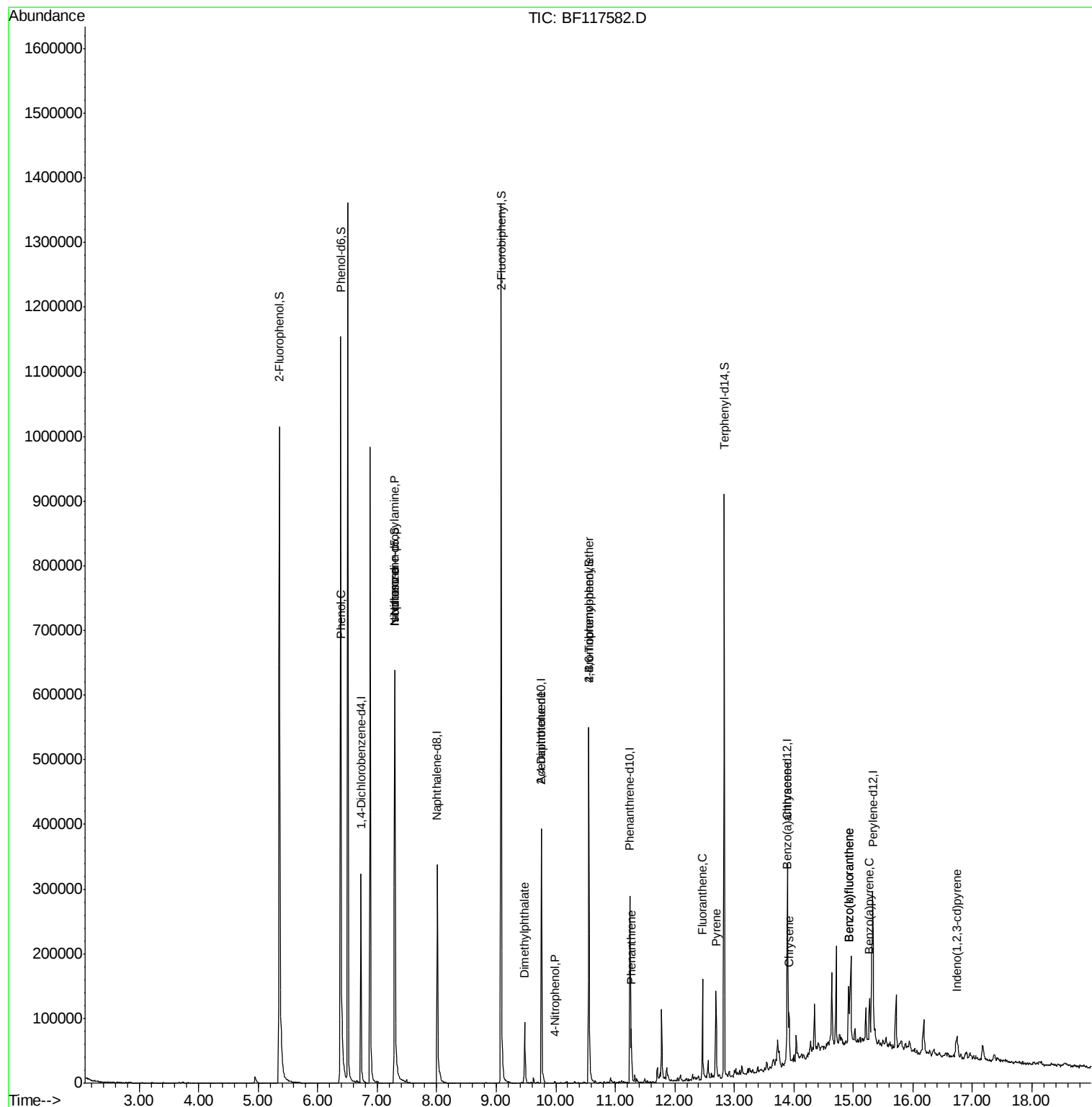
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.39	77	597	Below Cal		# 3
10) Phenol	6.40	94	16514	3.674	ng	# 83
19) n-Nitroso-di-n-propylamine	7.29	70	38551	14.334	ng	# 78
25) Isophorone	7.29	82	295512	42.427	ng	# 65
50) Dimethylphthalate	9.48	163	47717	7.375	ng	# 99
56) 4-Nitrophenol	9.98	139	296	4.502	ng	# 6
57) 2,4-Dinitrotoluene	9.76	165	11287	6.288	ng	# 12
67) 4-Bromophenyl-phenylether	10.56	248	3974	3.242	ng	# 1
71) Phenanthrene	11.27	178	33581	5.082	ng	# 97
75) Fluoranthene	12.46	202	58444	8.835	ng	# 99
77) Benzidine	12.83	184	3716	Below Cal		# 92
78) Pyrene	12.69	202	57168	7.804	ng	# 98
81) Benzo(a)anthracene	13.88	228	30485	5.299	ng	# 96
83) Chrysene	13.92	228	30532	5.415	ng	# 96
86) Indeno(1,2,3-cd)pyrene	16.74	276	18454	4.384	ng	# 92
88) Benzo(b)fluoranthene	14.92	252	60547	10.437	ng	# 98
89) Benzo(k)fluoranthene	14.92	252	60547	10.183	ng	# 97
90) Benzo(a)pyrene	15.27	252	32318	6.127	ng	# 91

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

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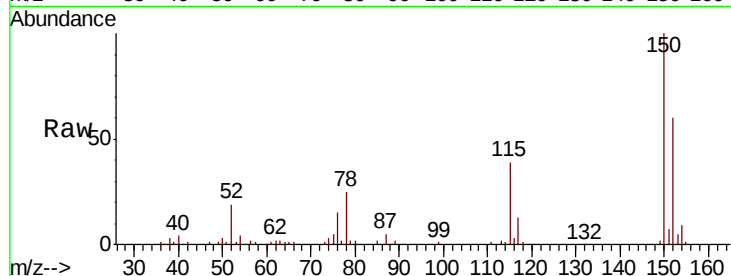


#1

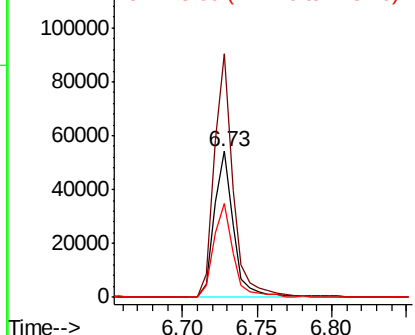
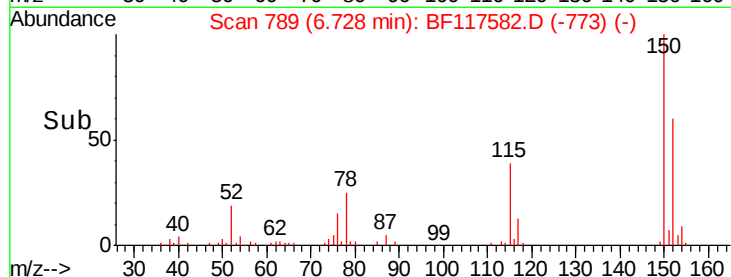
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117582.D
Acq: 29 Oct 2019 11:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 48780
Ion Ratio Lower Upper
152 100
150 166.4 126.8 190.2
115 64.6 51.6 77.4



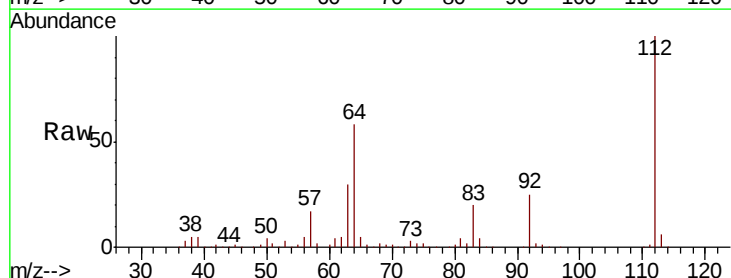
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



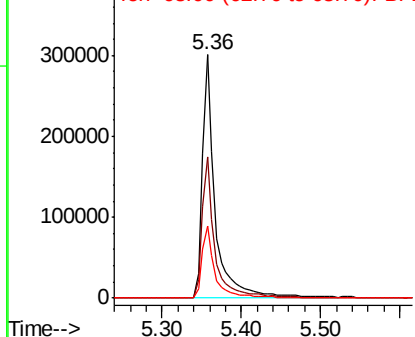
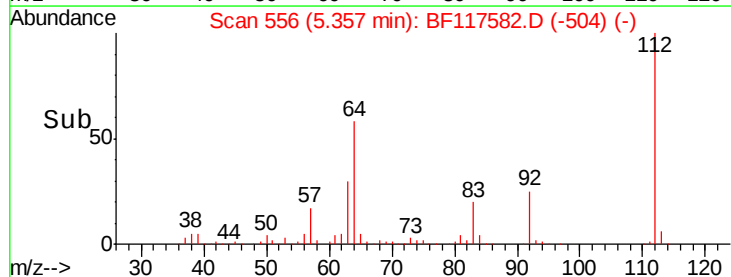
#5

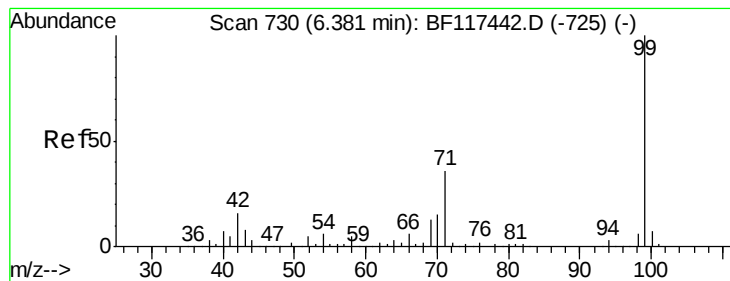
2-Fluorophenol
Concen: 105.790 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF117582.D
Acq: 29 Oct 2019 11:24

Tgt Ion:112 Resp: 346871
Ion Ratio Lower Upper
112 100
64 57.9 44.1 66.1
63 29.7 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: 107.974 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117582.D

Acq: 29 Oct 2019 11:24

Instrument :

BNA_F

ClientSampled :

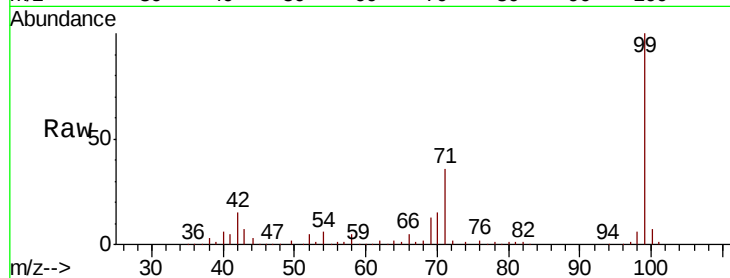
Tot Ion: 99 Resp: 475505

Ion Ratio Lower Upper

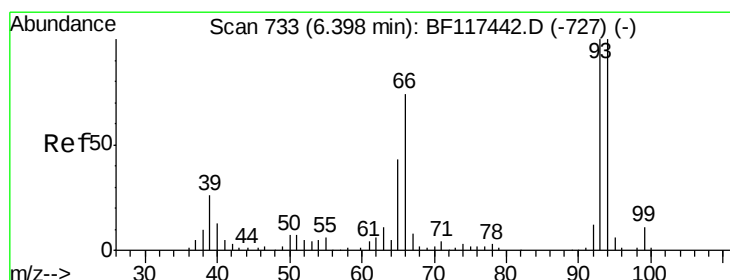
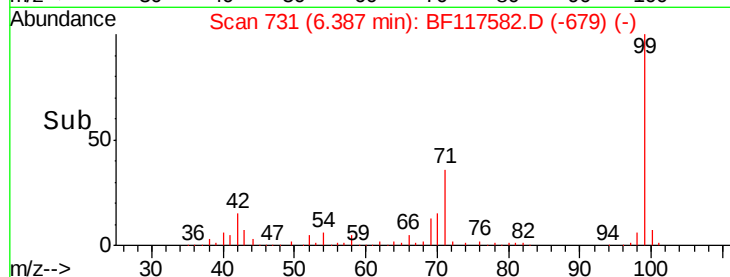
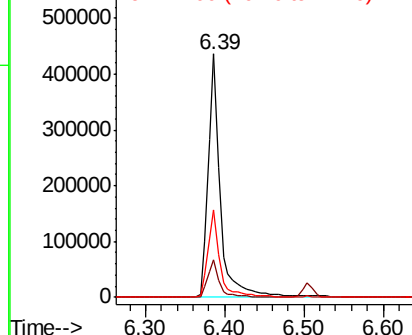
99 100

42 15.3 12.8 19.2

71 35.9 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: 3.674 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.00 min

Lab File: BF117582.D

Acq: 29 Oct 2019 11:24

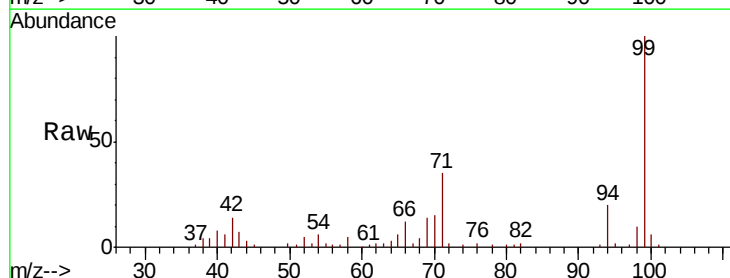
Tgt Ion: 94 Resp: 16514

Ion Ratio Lower Upper

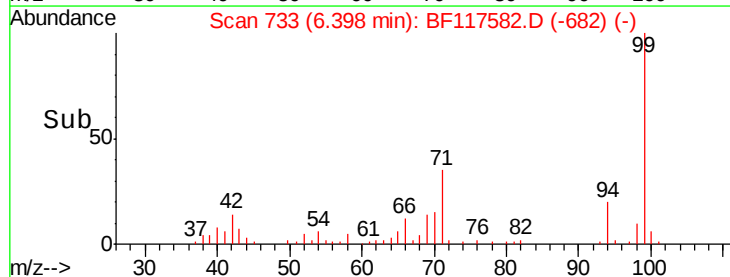
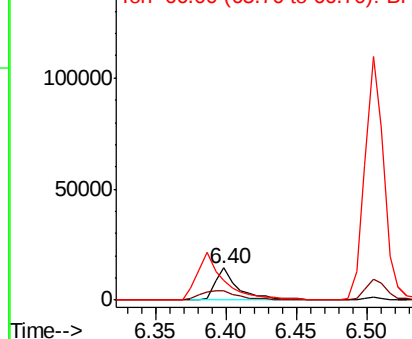
94 100

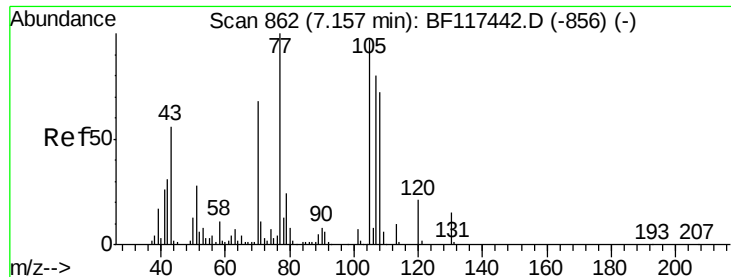
65 29.3 23.4 63.4

66 62.1 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

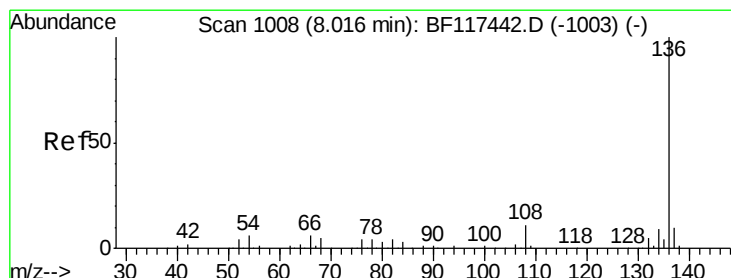
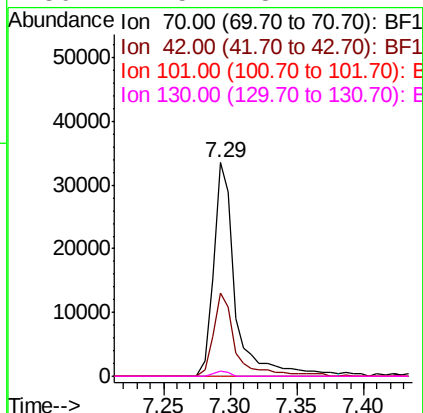
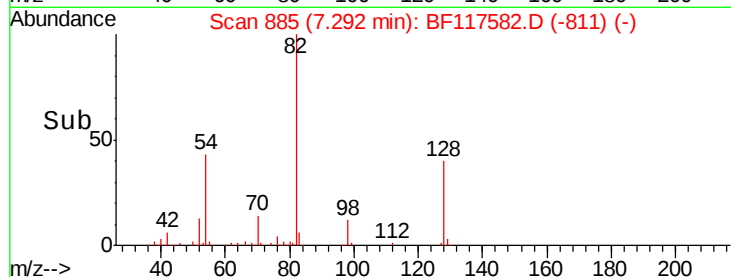
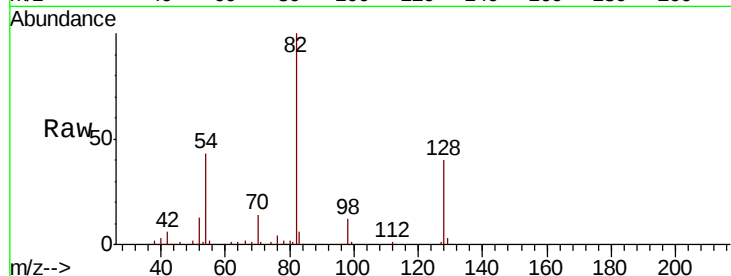




#19
n-Nitroso-di-n-propylamine
Concen: 14.334 ng
RT: 7.29 min Scan# 885
Delta R.T. 0.14 min
Lab File: BF117582.D
Acq: 29 Oct 2019 11:24

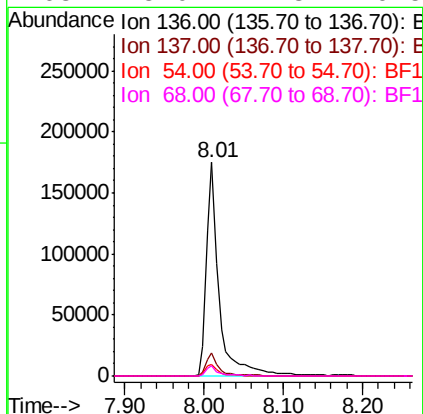
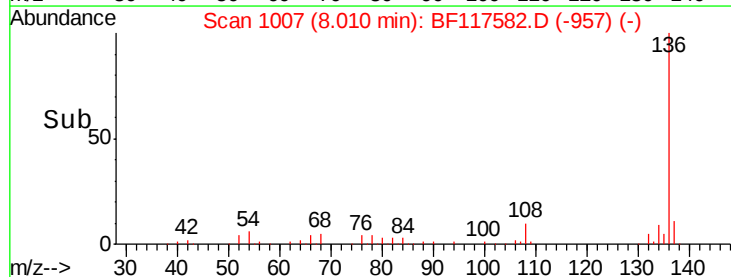
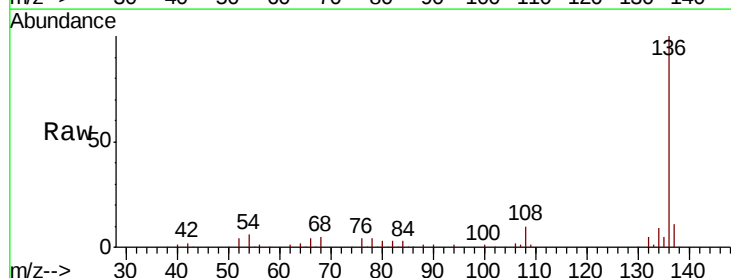
Instrument :
BNA_F
ClientSampled :

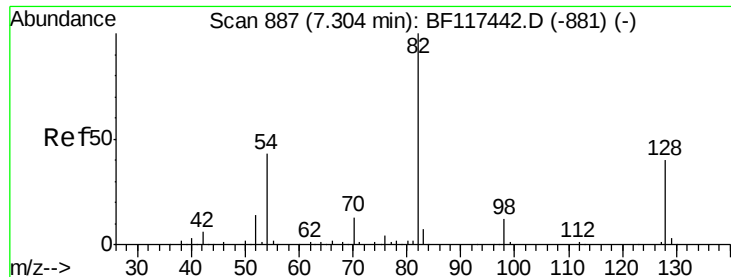
Tot Ion: 70 Resp: 38551
Ion Ratio Lower Upper
70 100
42 39.0 36.7 55.1
101 0.0 8.3 12.5#
130 2.5 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117582.D
Acq: 29 Oct 2019 11:24

Tgt Ion:136 Resp: 198772
Ion Ratio Lower Upper
136 100
137 10.6 8.2 12.4
54 5.7 4.5 6.7
68 5.0 4.3 6.5

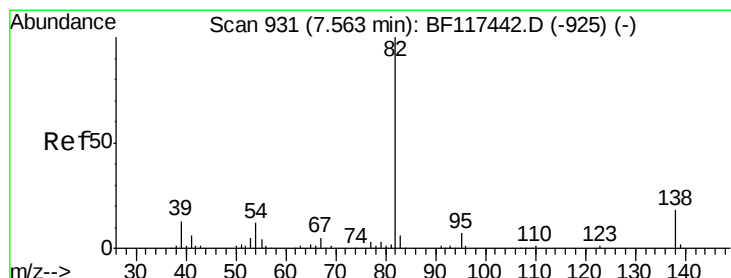
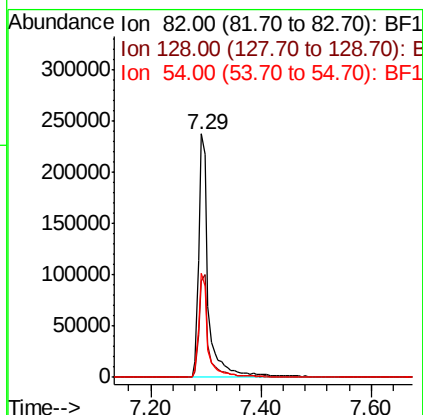
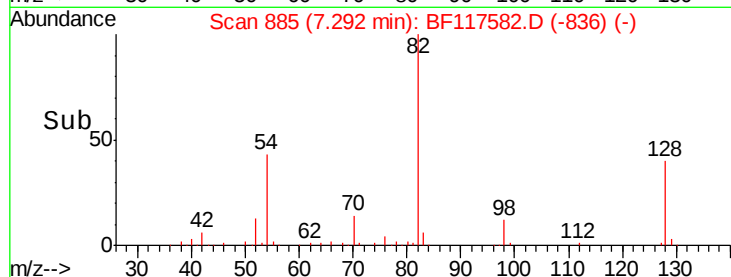
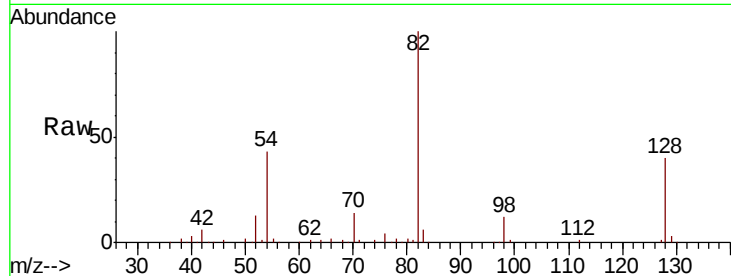




#23
Nitrobenzene-d5
Concen: 73.395 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF117582.D
Acq: 29 Oct 2019 11:24

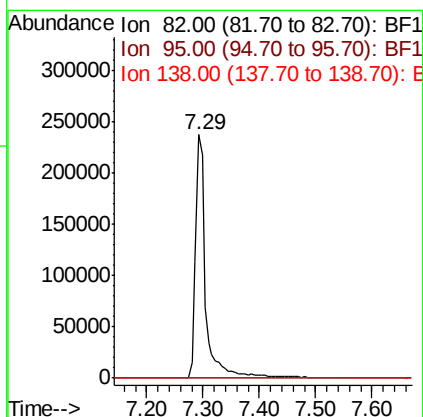
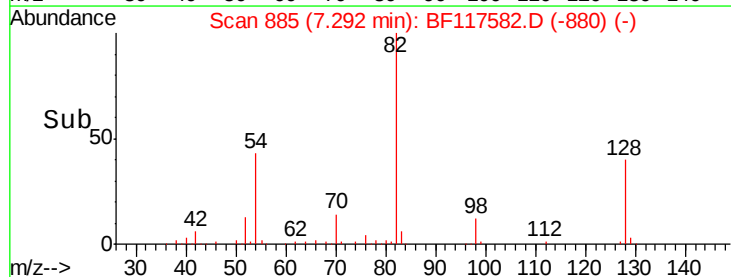
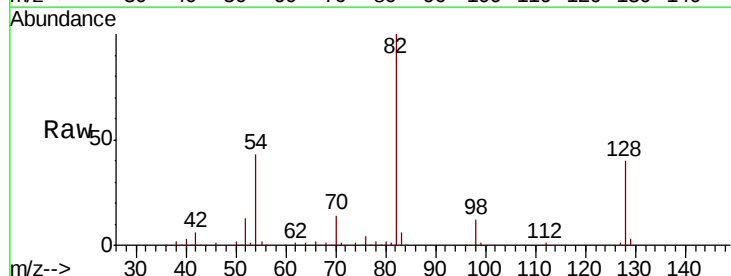
Instrument :
BNA_F
ClientSampleId :

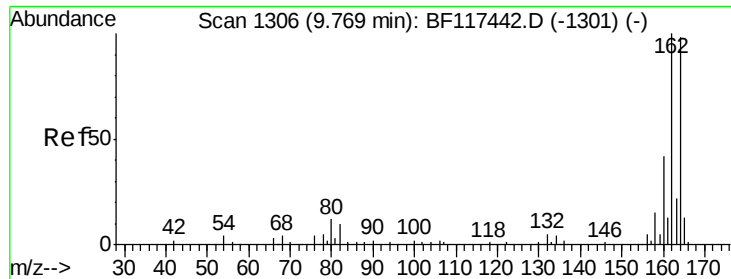
Tot Ion	82	Resp	295514
Ion Ratio	100	Lower	Upper
128	39.8	32.2	48.2
54	42.8	34.2	51.2



#25
Isophorone
Concen: 42.427 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.27 min
Lab File: BF117582.D
Acq: 29 Oct 2019 11:24

Tgt Ion	82	Resp	295512
Ion Ratio	100	Lower	Upper
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: BF117582.D

Acq: 29 Oct 2019 11:24

Instrument :

BNA_F

ClientSampleId :

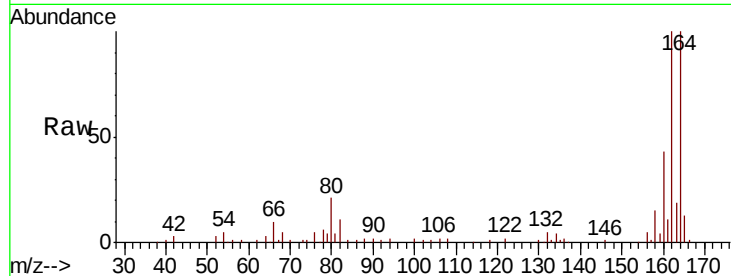
Tot Ion:164 Resp: 90754

Ion Ratio Lower Upper

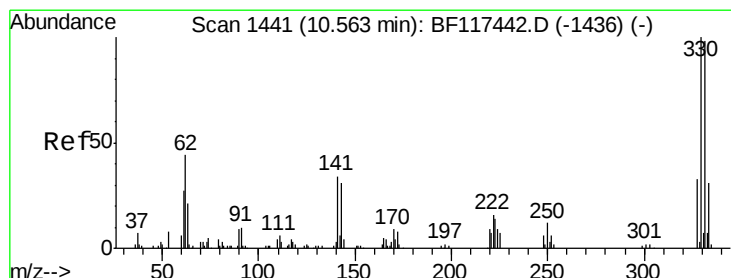
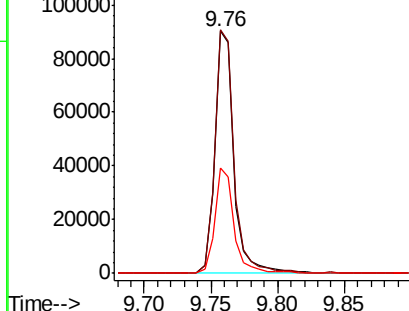
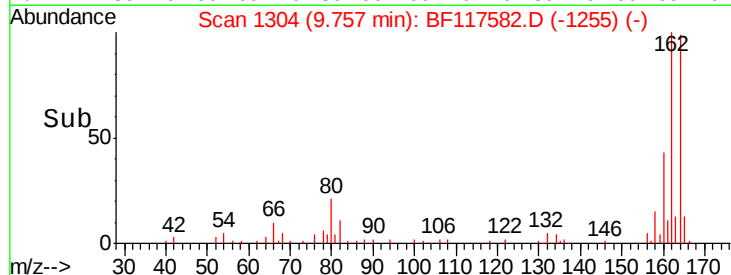
164 100

162 100.5 81.8 122.6

160 43.3 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: 86.693 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.01 min

Lab File: BF117582.D

Acq: 29 Oct 2019 11:24

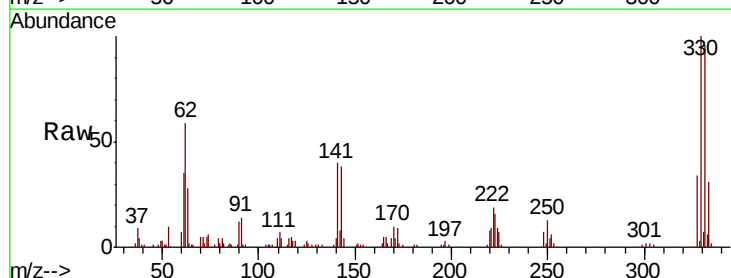
Tgt Ion:330 Resp: 68076

Ion Ratio Lower Upper

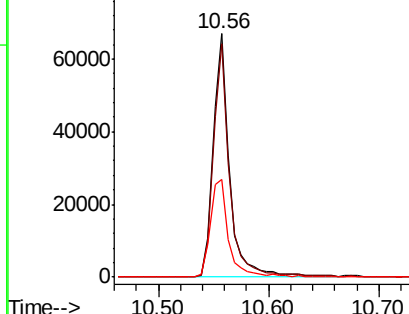
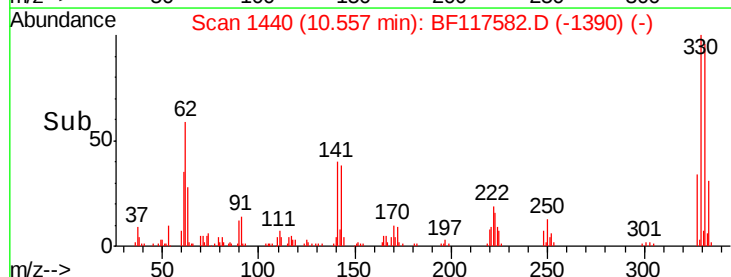
330 100

332 93.0 78.5 117.7

141 44.3 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

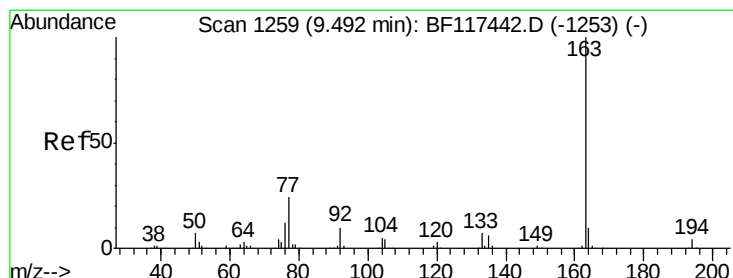
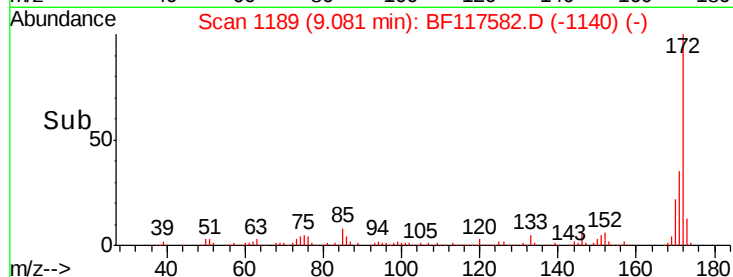
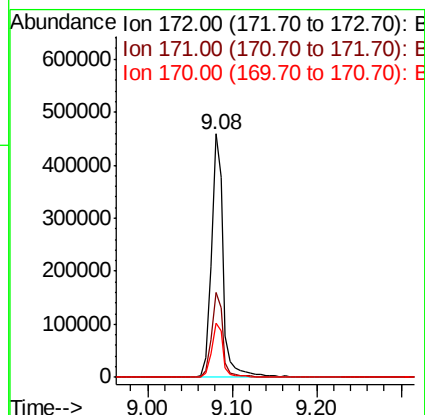
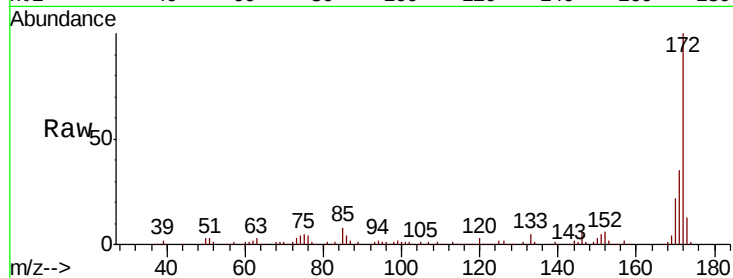




#45
2-Fluorobiphenyl
Concen: 69.584 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF117582.D
Acq: 29 Oct 2019 11:24

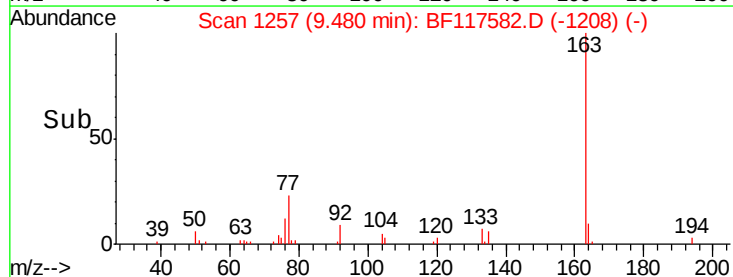
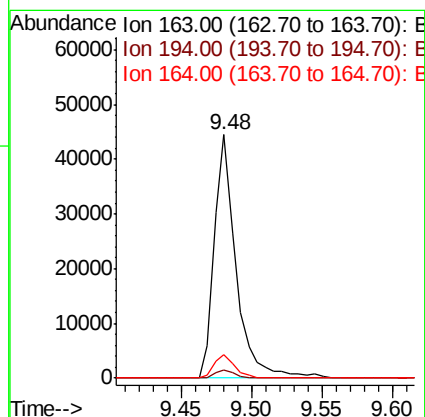
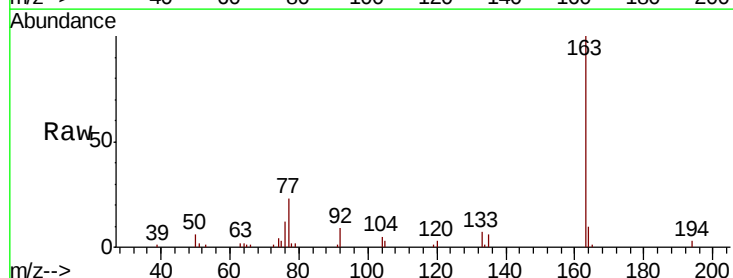
Instrument :
BNA_F
ClientSampleId :

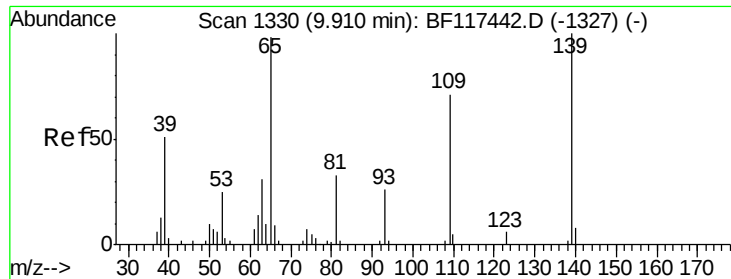
Tot Ion:172 Resp: 448197
Ion Ratio Lower Upper
172 100
171 34.7 27.5 41.3
170 22.1 18.6 27.8



#50
Dimethylphthalate
Concen: 7.375 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117582.D
Acq: 29 Oct 2019 11:24

Tgt Ion:163 Resp: 47717
Ion Ratio Lower Upper
163 100
194 3.3 2.9 4.3
164 9.7 8.2 12.2

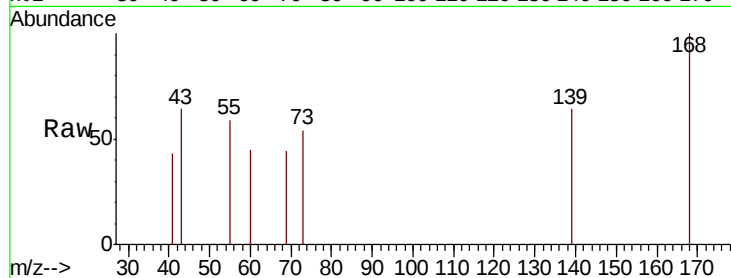




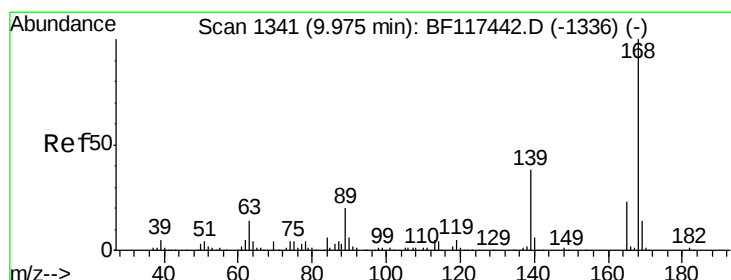
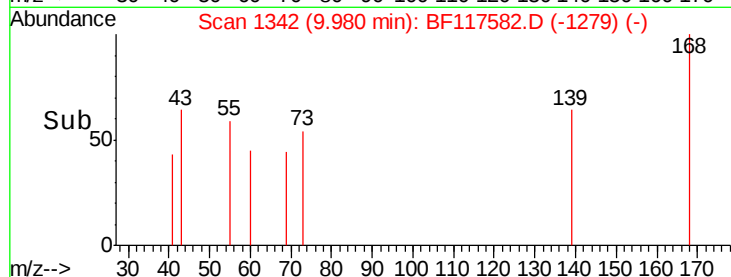
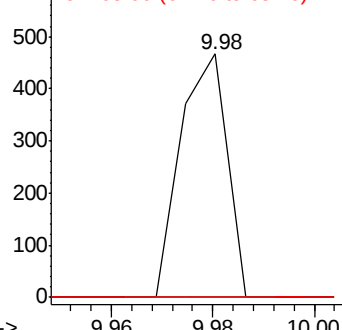
#56
4-Nitrophenol
Concen: 4.502 ng
RT: 9.98 min Scan# 1342
Delta R.T. 0.07 min
Lab File: BF117582.D
Acq: 29 Oct 2019 11:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 296
Ion Ratio Lower Upper
139 100
109 0.0 51.4 91.4#
65 0.0 79.4 119.4#

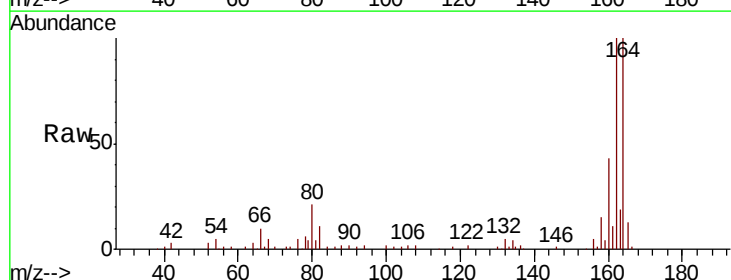


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

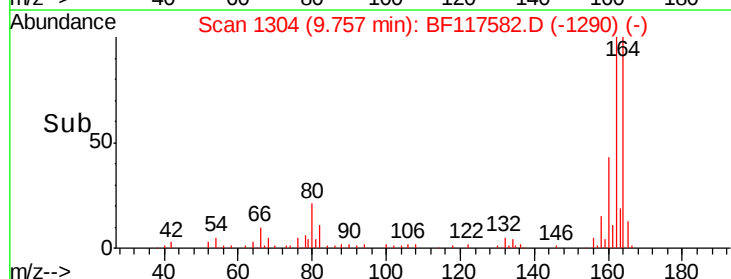
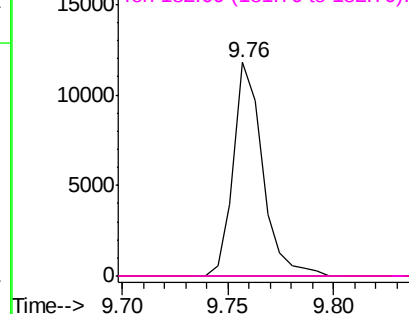


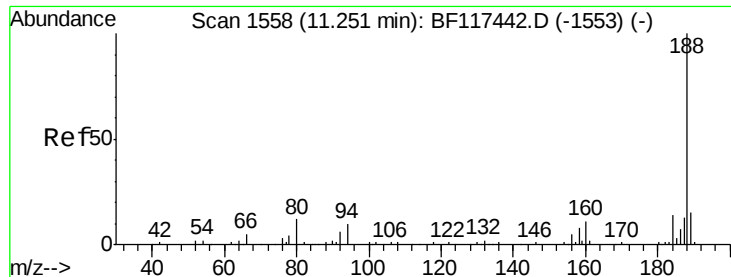
#57
2,4-Dinitrotoluene
Concen: 6.288 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.22 min
Lab File: BF117582.D
Acq: 29 Oct 2019 11:24

Tgt Ion:165 Resp: 11287
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

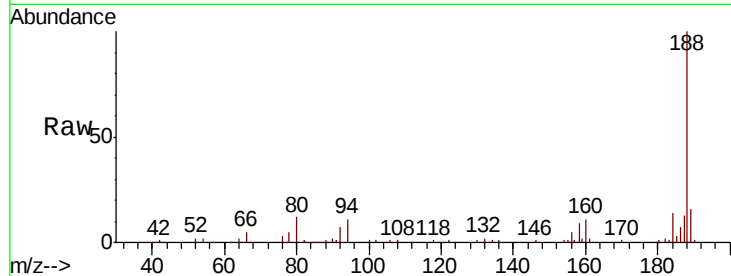




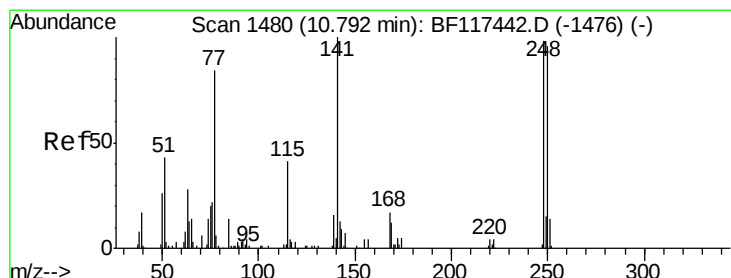
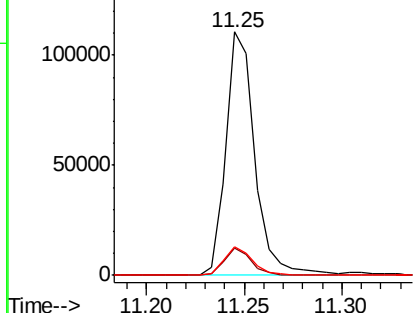
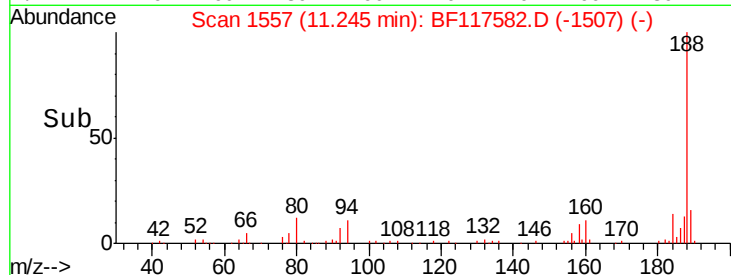
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: BF117582.D
 Acq: 29 Oct 2019 11:24

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:188 Resp: 113804
 Ion Ratio Lower Upper
 188 100
 94 11.2 8.0 12.0
 80 11.9 9.5 14.3

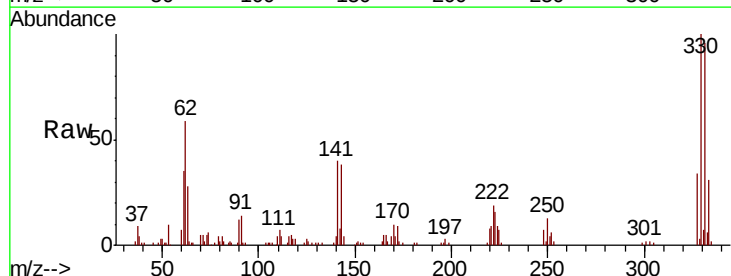


Abundance Ion 188.00 (187.70 to 188.70): E
 150000 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

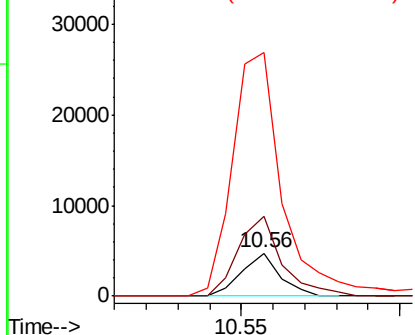
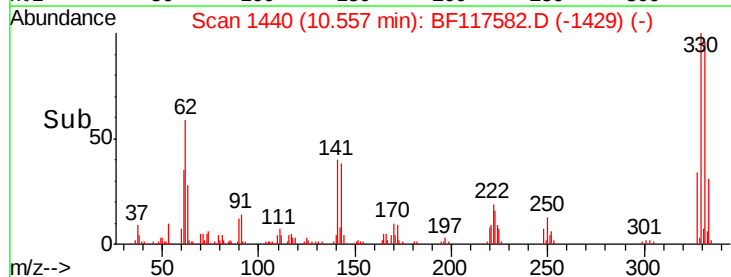


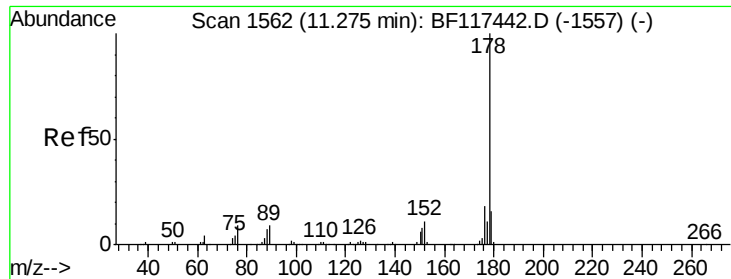
#67
 4-Bromophenyl-phenylether
 Concen: 3.242 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.24 min
 Lab File: BF117582.D
 Acq: 29 Oct 2019 11:24

Tgt Ion:248 Resp: 3974
 Ion Ratio Lower Upper
 248 100
 250 186.3 78.0 117.0#
 141 567.7 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: 5.082 ng

RT: 11.27 min Scan# 1562

Delta R.T. -0.00 min

Lab File: BF117582.D

Acq: 29 Oct 2019 11:24

Instrument :

BNA_F

ClientSampleId :

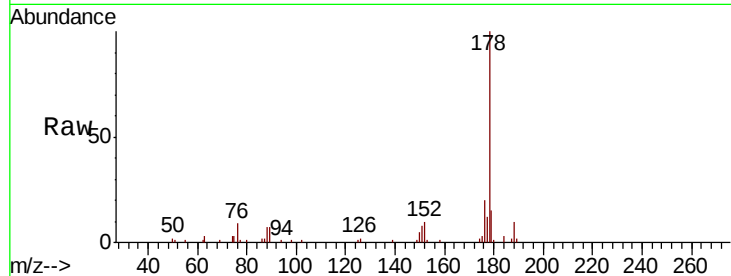
Tot Ion:178 Resp: 33581

Ion Ratio Lower Upper

178 100

176 19.8 14.6 22.0

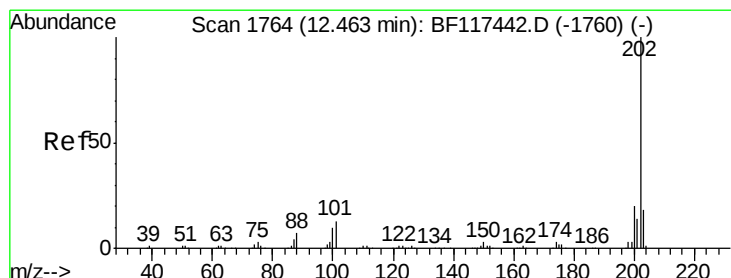
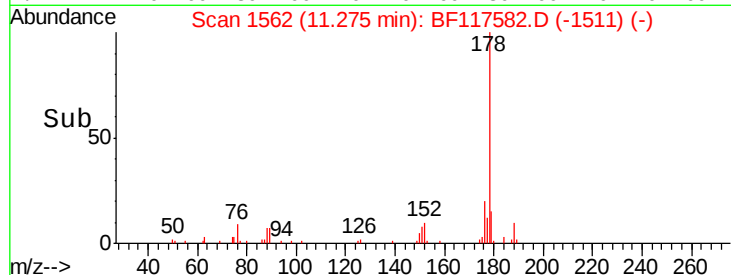
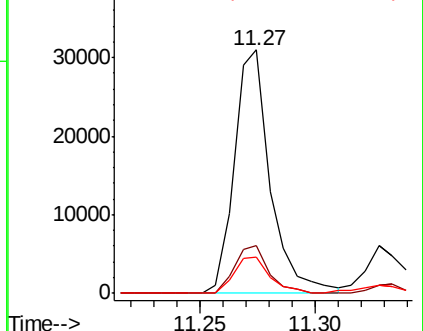
179 14.9 12.6 19.0



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: 8.835 ng

RT: 12.46 min Scan# 1764

Delta R.T. -0.00 min

Lab File: BF117582.D

Acq: 29 Oct 2019 11:24

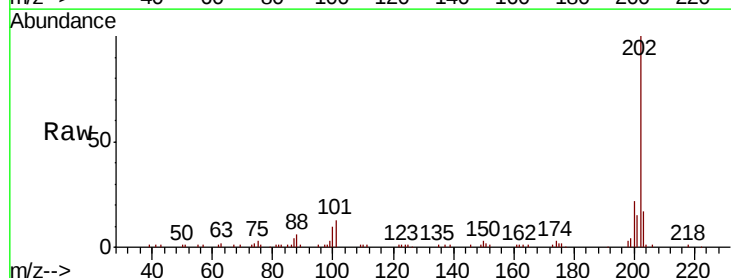
Tgt Ion:202 Resp: 58444

Ion Ratio Lower Upper

202 100

101 13.0 0.0 32.7

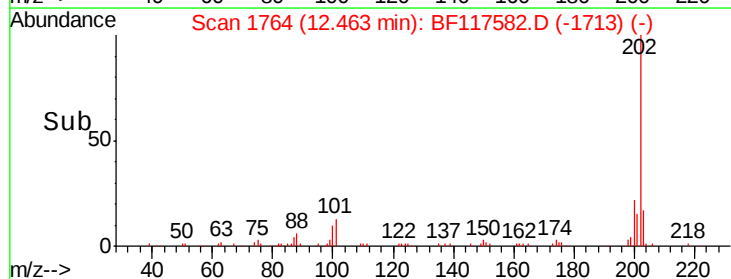
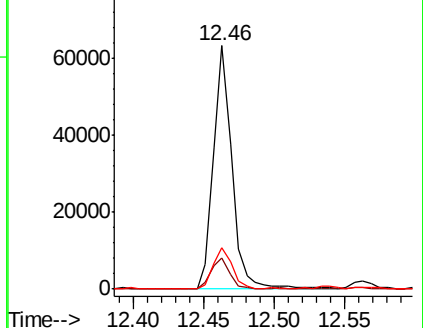
203 17.0 0.0 37.6

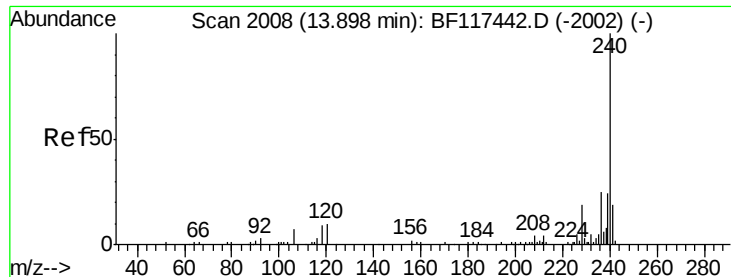


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF117582.D

Acq: 29 Oct 2019 11:24

Instrument :

BNA_F

ClientSampleId :

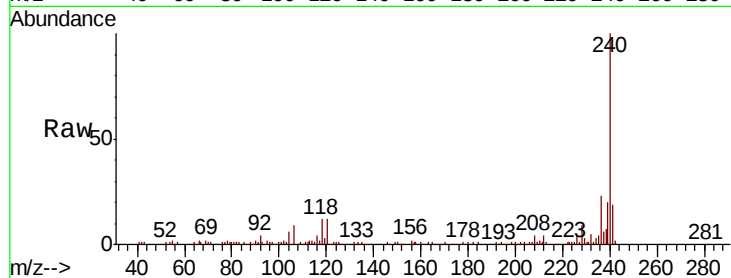
Tot Ion:240 Resp: 85282

Ion Ratio Lower Upper

240 100

120 12.0 8.4 12.6

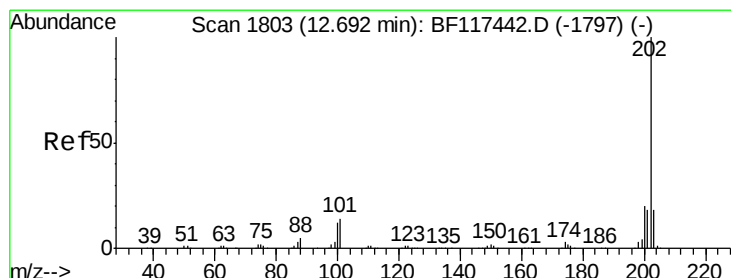
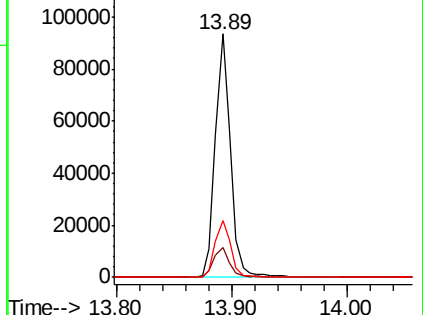
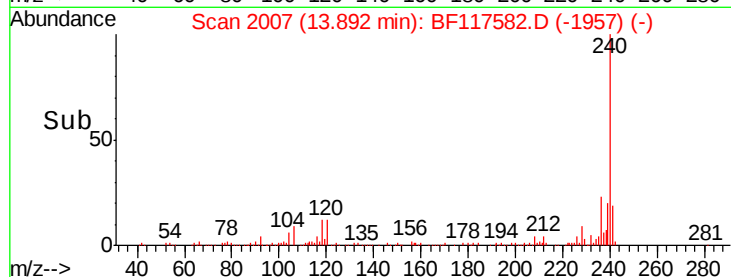
236 23.2 20.0 30.0



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: 7.804 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.00 min

Lab File: BF117582.D

Acq: 29 Oct 2019 11:24

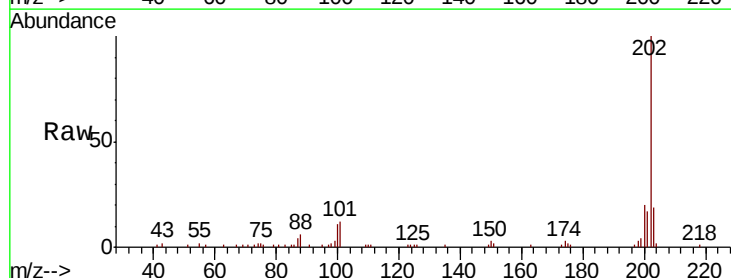
Tgt Ion:202 Resp: 57168

Ion Ratio Lower Upper

202 100

200 20.4 16.2 24.2

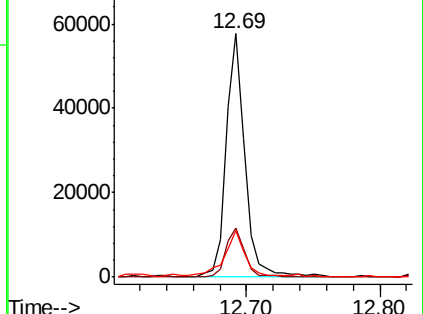
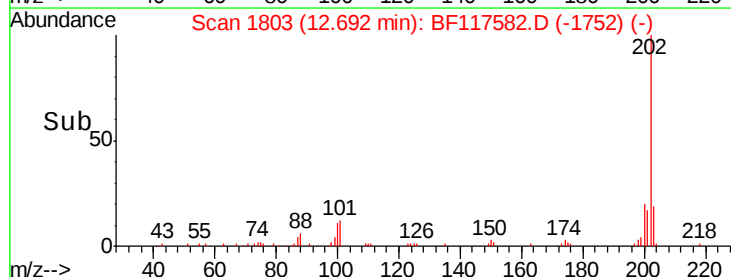
203 19.3 14.0 21.0

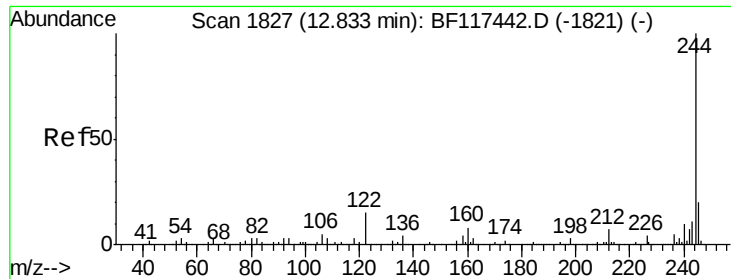


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

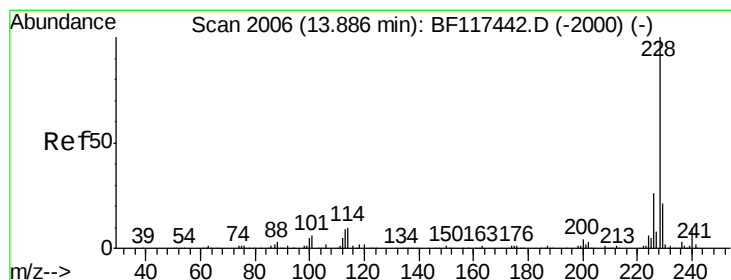
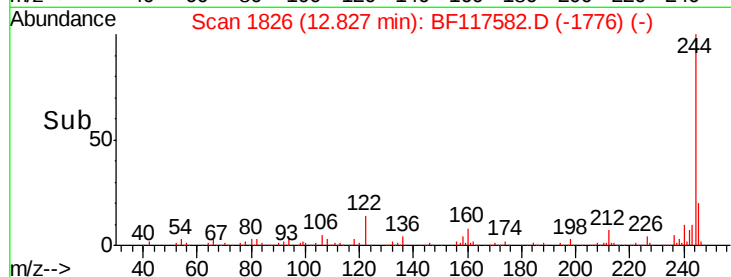
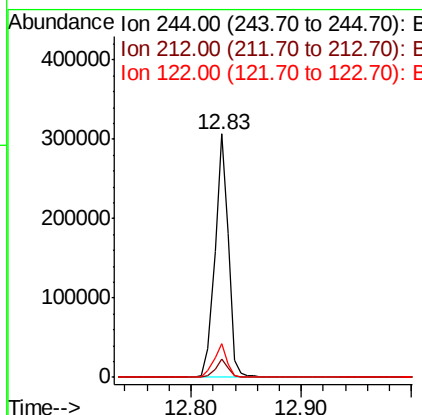
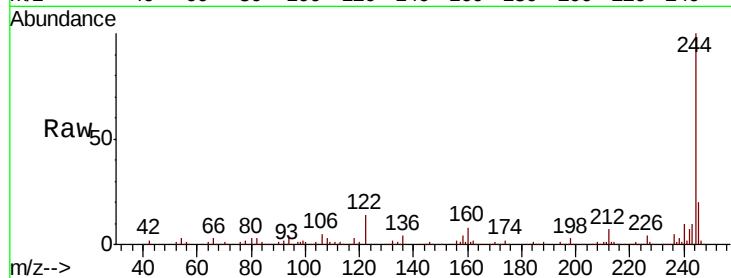




#79
 Terphenyl-d14
 Concen: 48.934 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF117582.D
 Acq: 29 Oct 2019 11:24

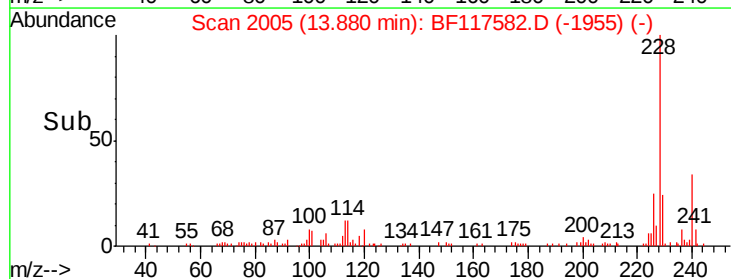
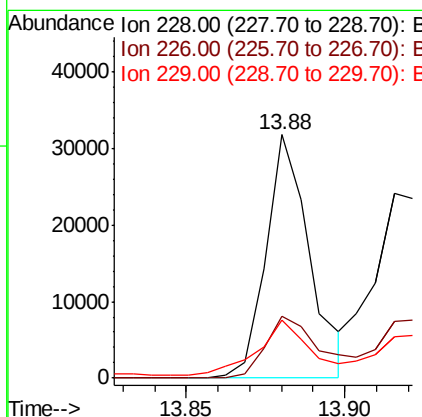
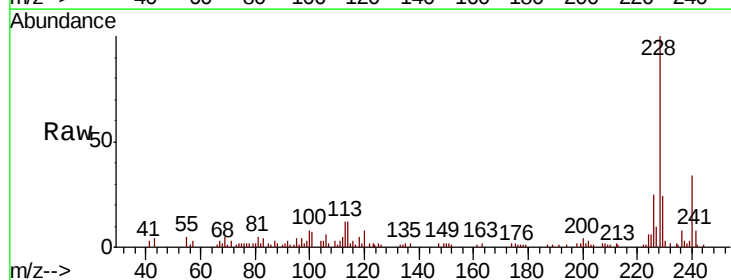
Instrument :
 BNA_F
 ClientSampleId :

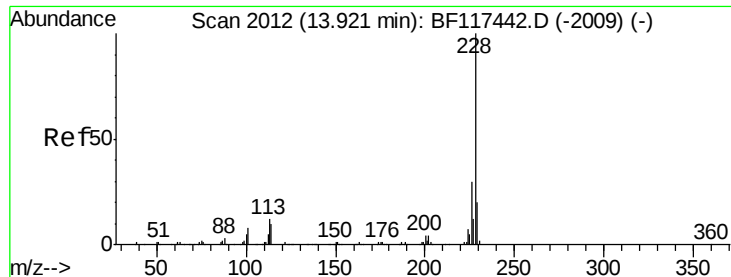
Tot Ion:244 Resp: 255851
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.8 8.6
 122 14.0 11.8 17.8



#81
 Benzo(a)anthracene
 Concen: 5.299 ng
 RT: 13.88 min Scan# 2005
 Delta R.T. -0.01 min
 Lab File: BF117582.D
 Acq: 29 Oct 2019 11:24

Tgt Ion:228 Resp: 30485
 Ion Ratio Lower Upper
 228 100
 226 25.3 21.0 31.4
 229 24.1 16.4 24.6

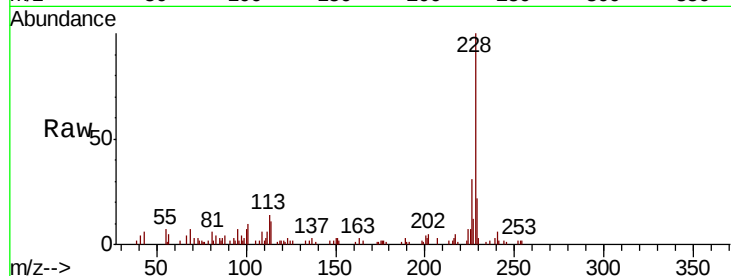




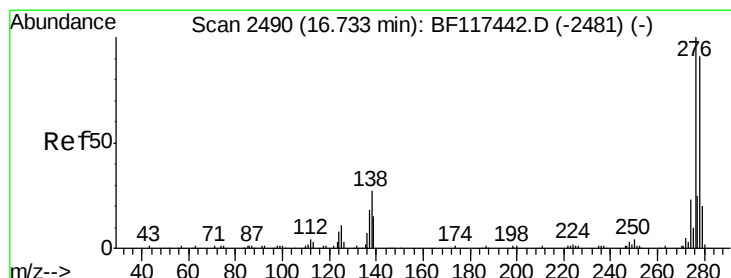
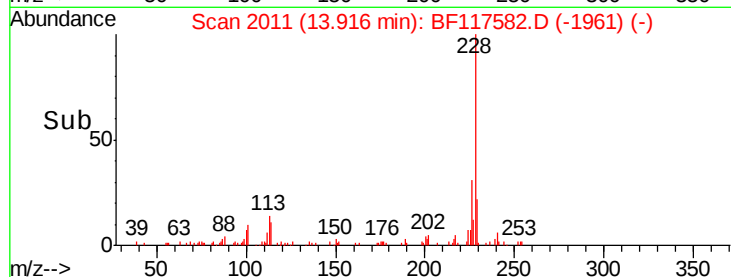
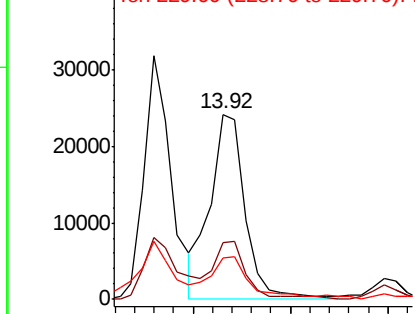
#83
Chrysene
Concen: 5.415 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BF117582.D
Acq: 29 Oct 2019 11:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 30532
Ion Ratio Lower Upper
228 100
226 31.0 23.9 35.9
229 22.3 15.8 23.6

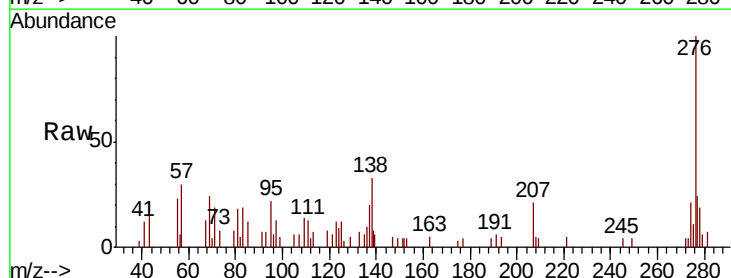


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

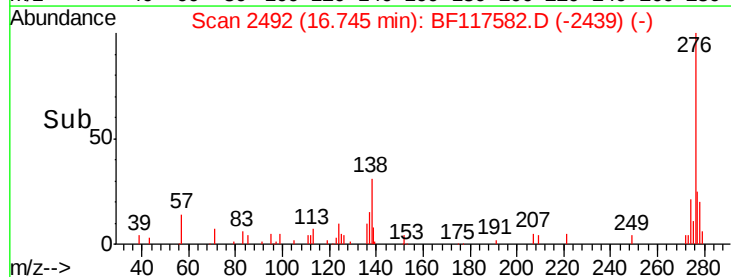
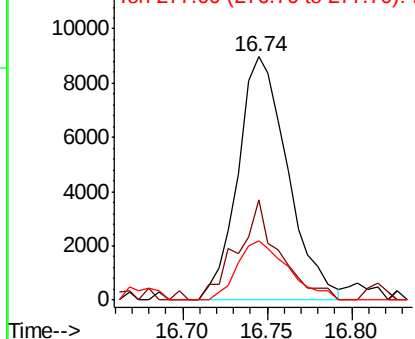


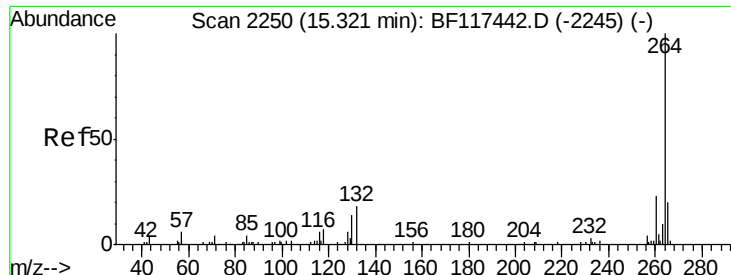
#86
Indeno(1,2,3-cd)pyrene
Concen: 4.384 ng
RT: 16.74 min Scan# 2492
Delta R.T. 0.01 min
Lab File: BF117582.D
Acq: 29 Oct 2019 11:24

Tgt Ion:276 Resp: 18454
Ion Ratio Lower Upper
276 100
138 34.8 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

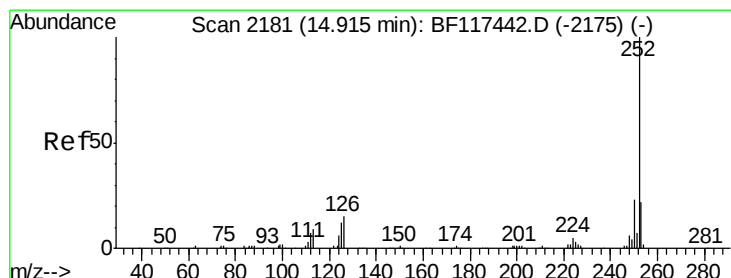
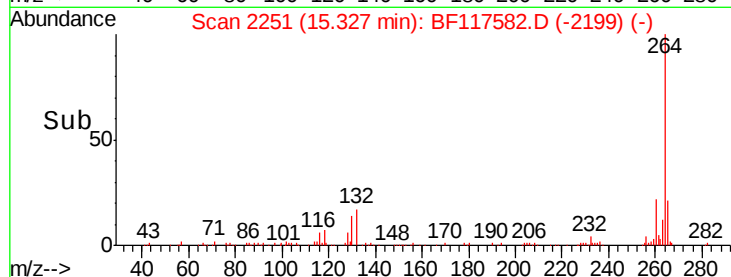
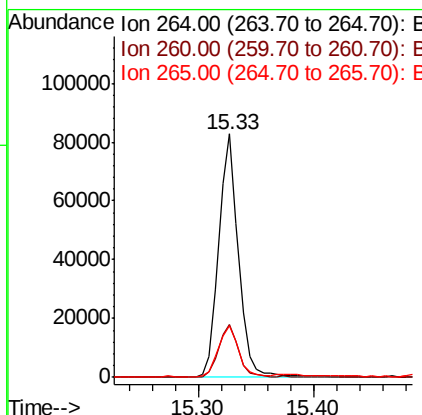
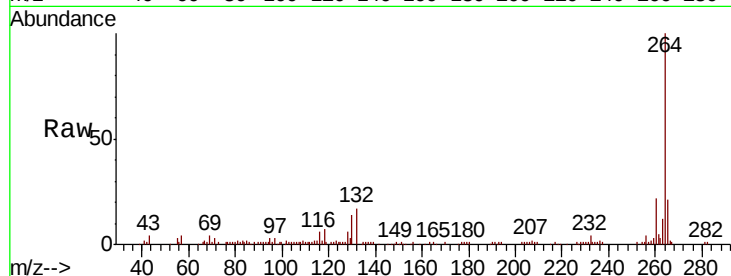




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2251
Delta R.T. 0.01 min
Lab File: BF117582.D
Acq: 29 Oct 2019 11:24

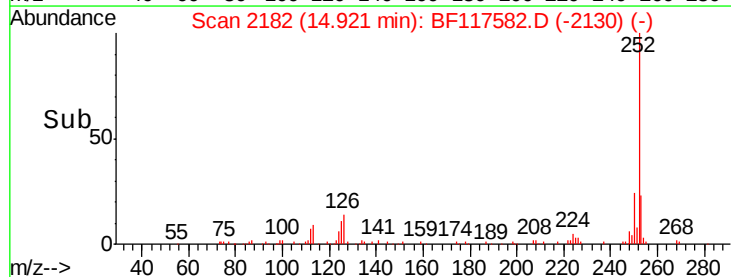
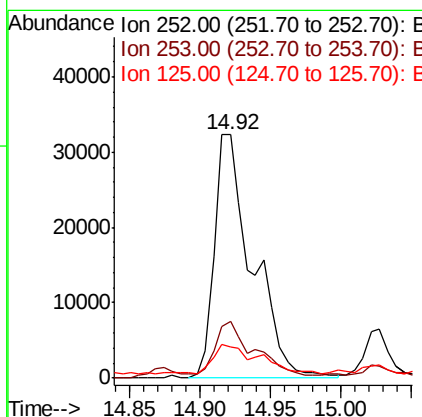
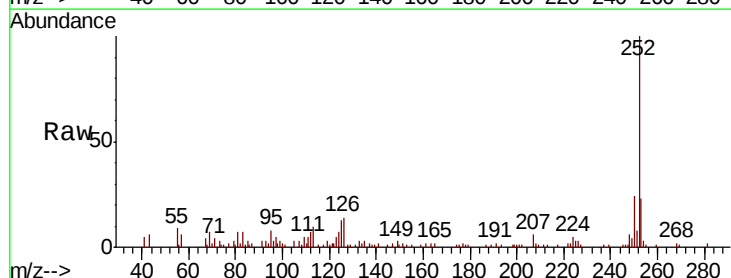
Instrument :
BNA_F
ClientSampleId :

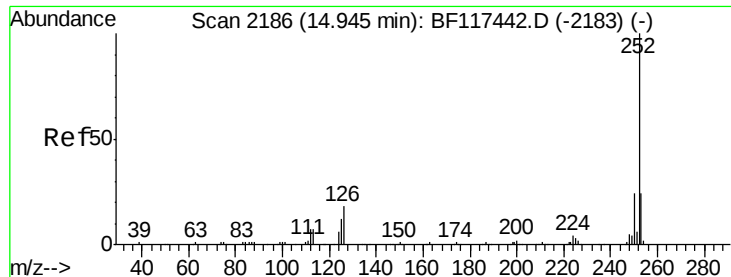
Tot Ion:264 Resp: 98239
Ion Ratio Lower Upper
264 100
260 21.6 18.4 27.6
265 21.5 16.1 24.1



#88
Benzo(b)fluoranthene
Concen: 10.437 ng
RT: 14.92 min Scan# 2182
Delta R.T. 0.01 min
Lab File: BF117582.D
Acq: 29 Oct 2019 11:24

Tgt Ion:252 Resp: 60547
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.6
125 13.0 9.9 14.9

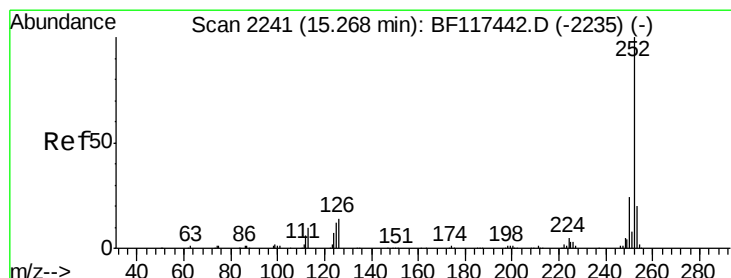
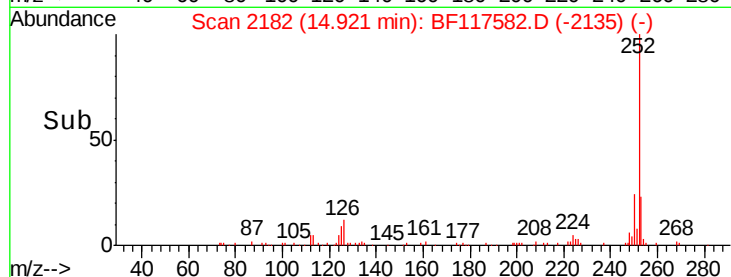
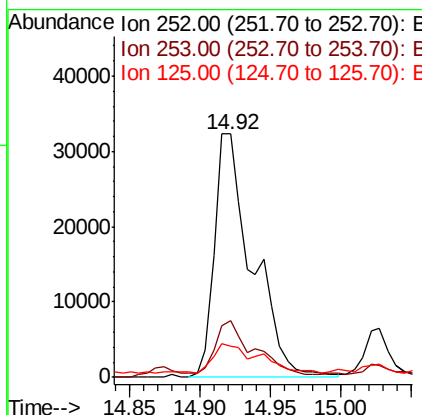
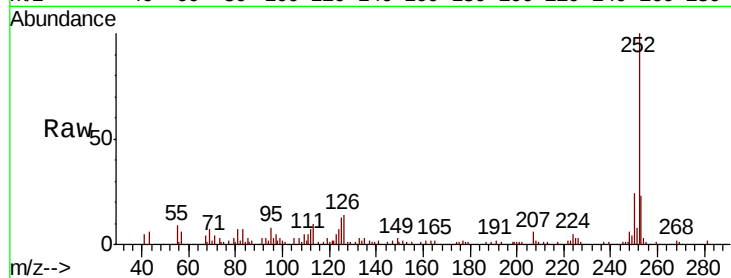




#89
Benzo(k)fluoranthene
Concen: 10.183 ng
RT: 14.92 min Scan# 2182
Delta R.T. -0.02 min
Lab File: BF117582.D
Acq: 29 Oct 2019 11:24

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 60547
Ion Ratio Lower Upper
252 100
253 23.4 18.0 27.0
125 13.0 8.9 13.3



#90
Benzo(a)pyrene
Concen: 6.127 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.00 min
Lab File: BF117582.D
Acq: 29 Oct 2019 11:24

Tgt Ion:252 Resp: 32318
Ion Ratio Lower Upper
252 100
253 24.0 16.3 24.5
125 16.3 9.2 13.8#

