

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
 Data File : BF117596.D
 Acq On : 29 Oct 2019 17:38
 Operator : JU
 Sample : K5540-15
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 30 03:31:53 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	37424	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	135160	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	55029	20.00	ng	-0.01
64) Phenanthrene-d10	11.25	188	78541	20.00	ng	0.00
76) Chrysene-d12	13.89	240	67668	20.00	ng	0.00
87) Perylene-d12	15.33	264	52053	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	233537	92.84	ng	0.00
7) Phenol-d6	6.39	99	293817	86.96	ng	0.00
23) Nitrobenzene-d5	7.29	82	193086	70.53	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	38760	81.40	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	221431	56.70	ng	-0.01
79) Terphenyl-d14	12.83	244	147300	35.51	ng	0.00

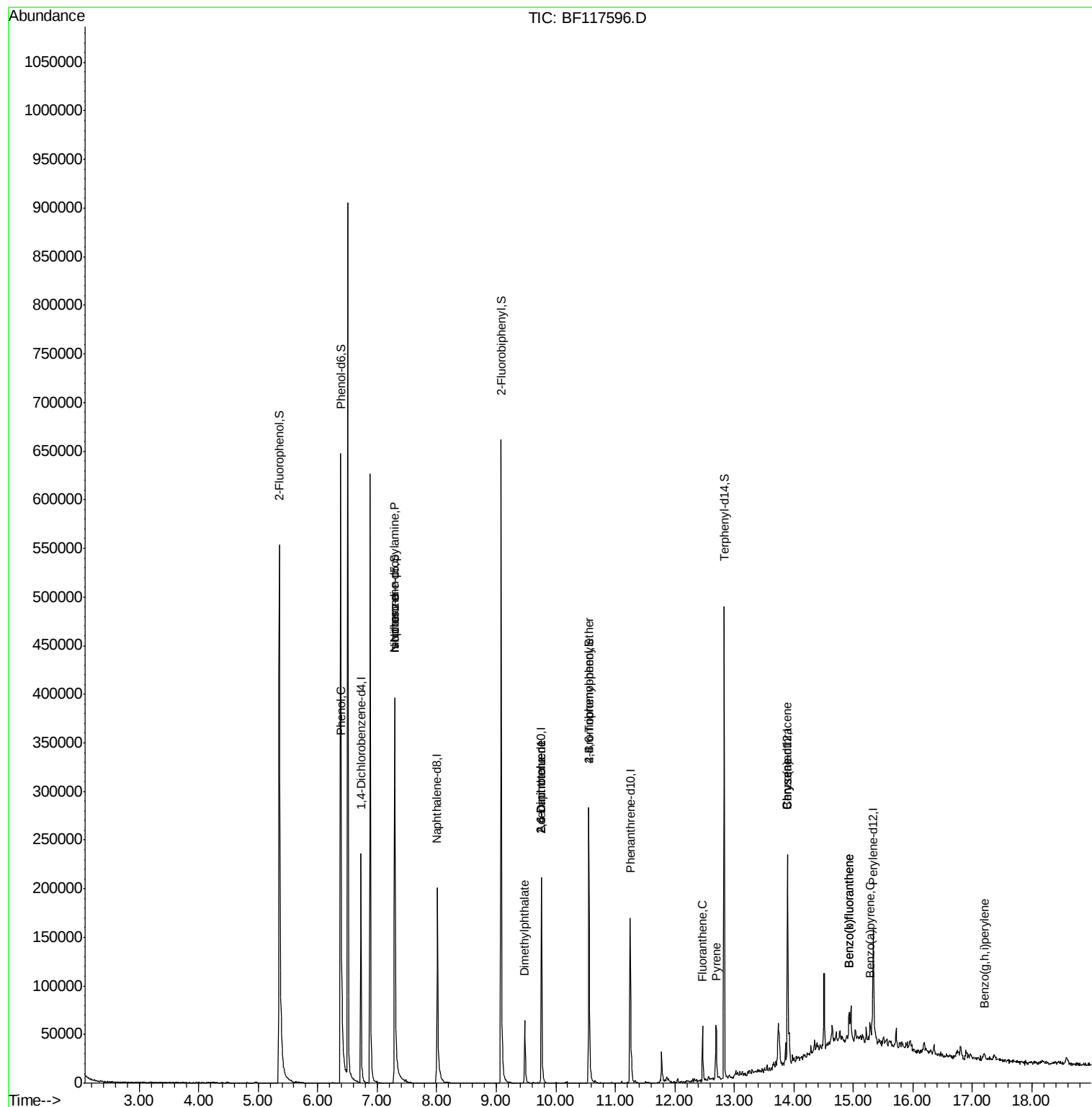
Target Compounds				Qvalue		
9) Benzaldehyde	6.39	77	273	Below Cal	#	3
10) Phenol	6.40	94	10602	3.074	ng	84
19) n-Nitroso-di-n-propylamine	7.29	70	24793	12.016	ng	81
25) Isophorone	7.29	82	193085	40.768	ng	65
50) Dimethylphthalate	9.48	163	33658	8.580	ng	97
51) 2,6-Dinitrotoluene	9.76	165	6700	8.184	ng	22
57) 2,4-Dinitrotoluene	9.76	165	6700	6.156	ng	12
67) 4-Bromophenyl-phenylether	10.56	248	2316	2.738	ng	1
75) Fluoranthene	12.46	202	27216	5.961	ng	97
77) Benzidine	12.83	184	1989	Below Cal	#	89
78) Pyrene	12.69	202	26969	4.640	ng	98
81) Benzo(a)anthracene	13.89	228	13414	2.939	ng	99
83) Chrysene	13.89	228	13414	2.999	ng	97
88) Benzo(b)fluoranthene	14.93	252	18947	6.164	ng	95
89) Benzo(k)fluoranthene	14.93	252	18947	6.014	ng	94
90) Benzo(a)pyrene	15.28	252	9381	3.357	ng	83
92) Benzo(a,h,i)perylene	17.19	276	4822	2.109	ng	82

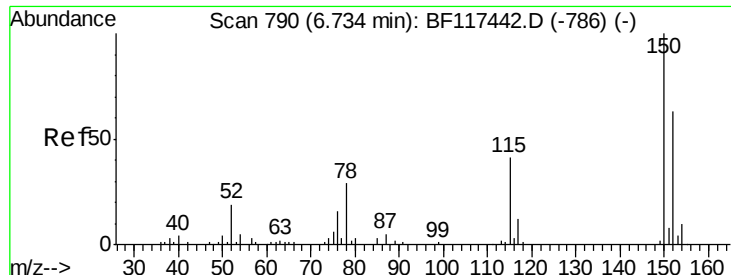
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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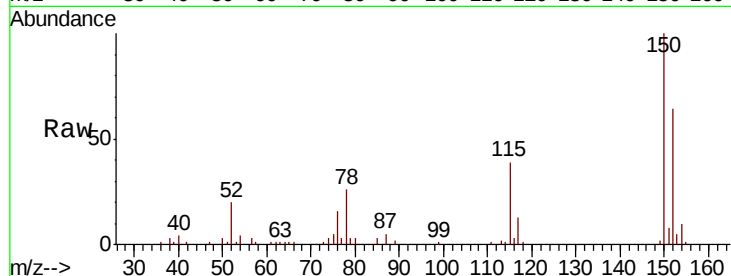


#1

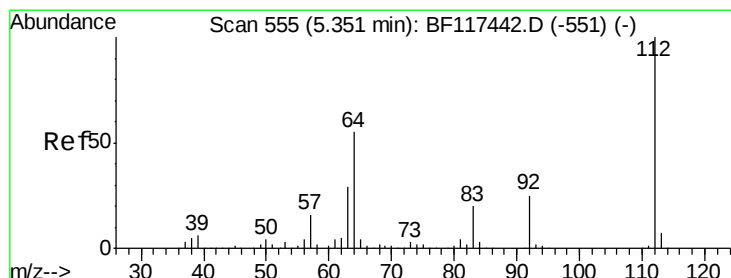
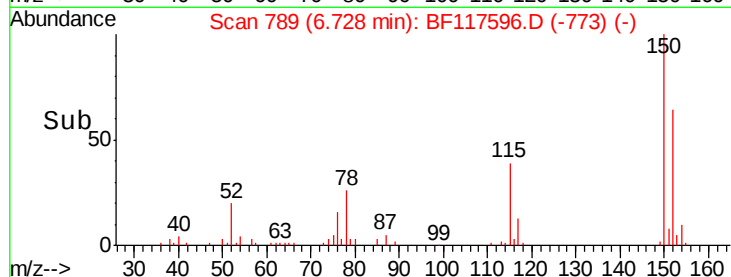
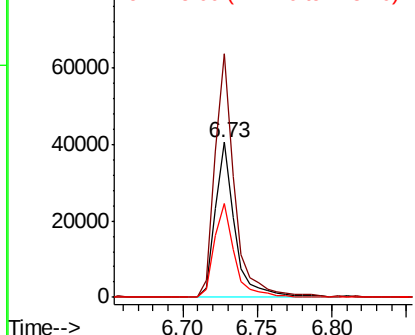
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117596.D
Acq: 29 Oct 2019 17:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 37424
Ion Ratio Lower Upper
152 100
150 157.4 126.8 190.2
115 60.8 51.6 77.4



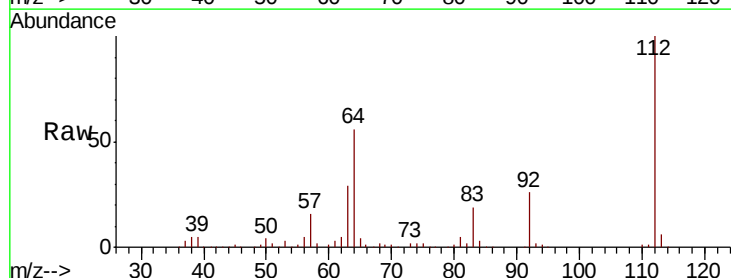
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



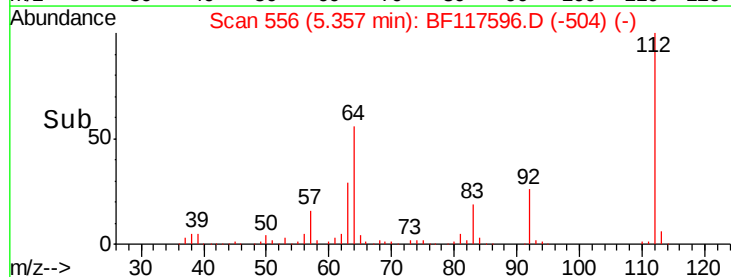
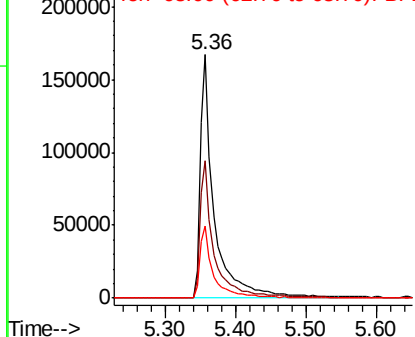
#5

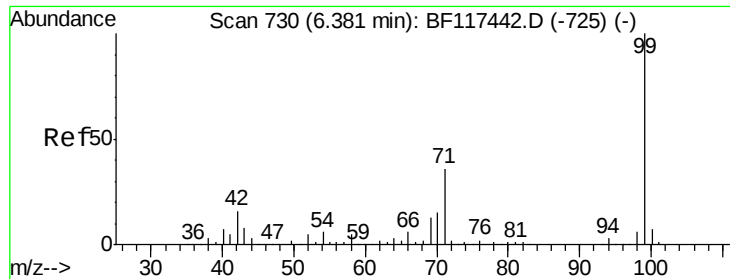
2-Fluorophenol
Concen: 92.837 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF117596.D
Acq: 29 Oct 2019 17:38

Tgt Ion:112 Resp: 233537
Ion Ratio Lower Upper
112 100
64 56.3 44.1 66.1
63 29.4 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: 86.962 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117596.D

Acq: 29 Oct 2019 17:38

Instrument :

BNA_F

ClientSampleId :

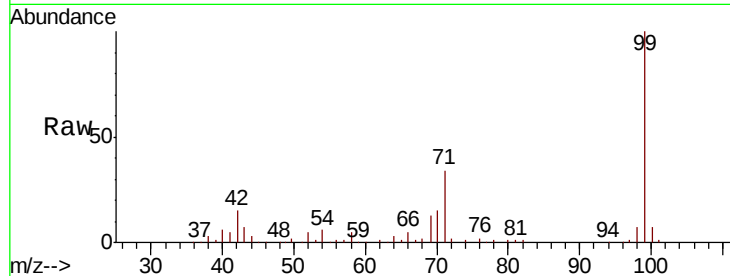
Tot Ion: 99 Resp: 293817

Ion Ratio Lower Upper

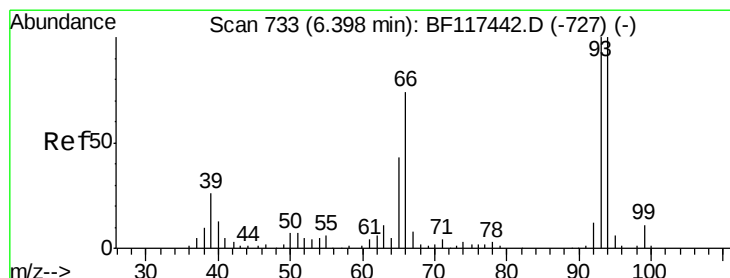
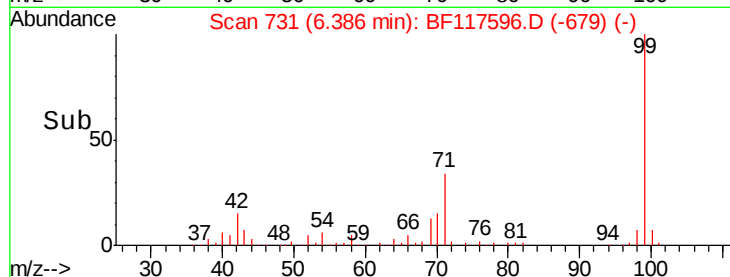
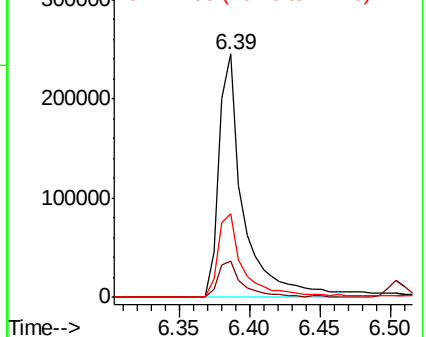
99 100

42 14.9 12.8 19.2

71 34.5 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: 3.074 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.00 min

Lab File: BF117596.D

Acq: 29 Oct 2019 17:38

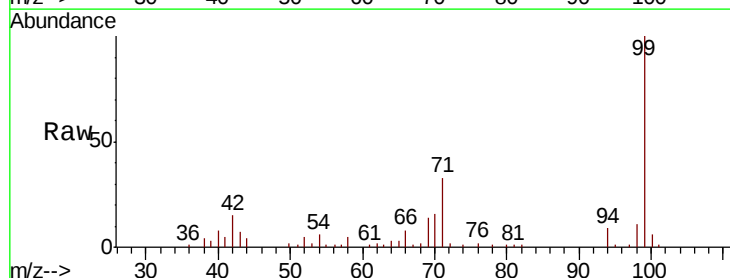
Tgt Ion: 94 Resp: 10602

Ion Ratio Lower Upper

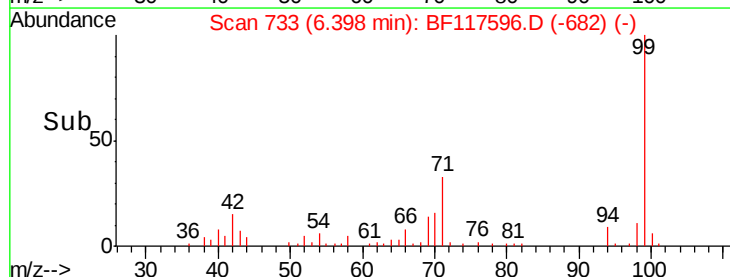
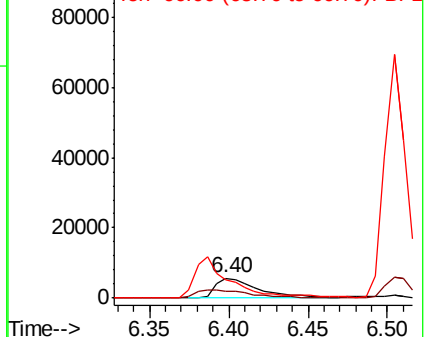
94 100

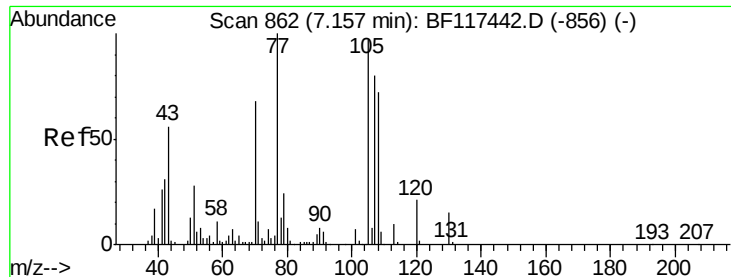
65 35.3 23.4 63.4

66 90.1 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: 12.016 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.14 min

Lab File: BF117596.D

Acq: 29 Oct 2019 17:38

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 24793

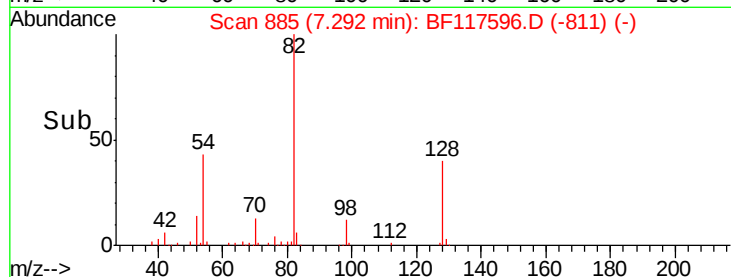
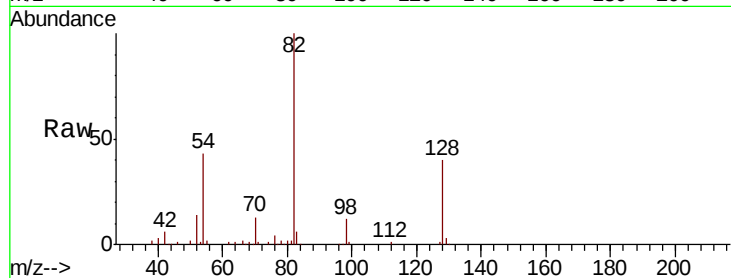
Ion Ratio Lower Upper

70 100

42 42.2 36.7 55.1

101 0.0 8.3 12.5#

130 2.3 18.1 27.1#

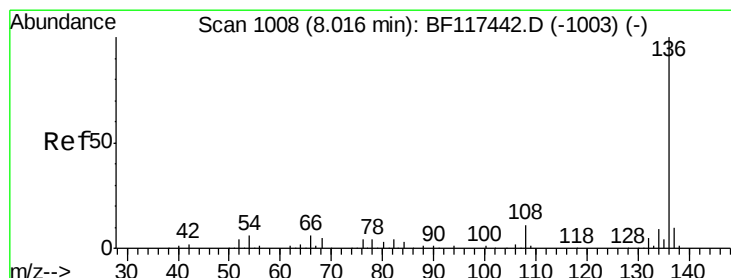
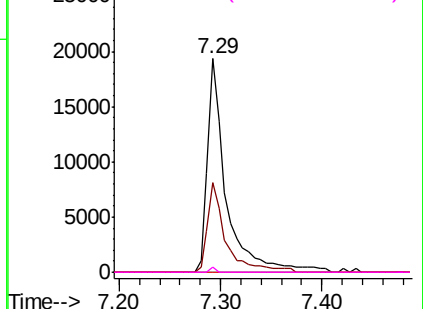


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF117596.D

Acq: 29 Oct 2019 17:38

Tgt Ion:136 Resp: 135160

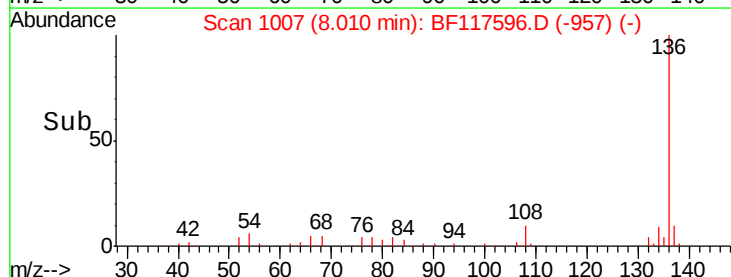
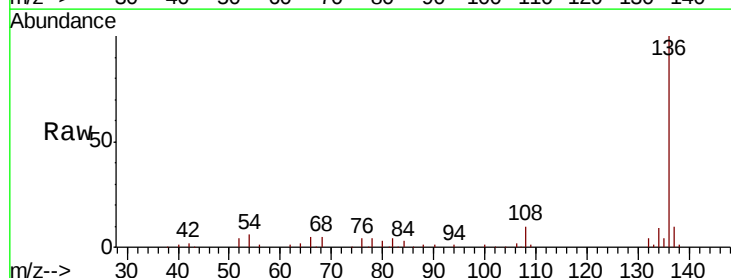
Ion Ratio Lower Upper

136 100

137 10.5 8.2 12.4

54 6.0 4.5 6.7

68 5.3 4.3 6.5

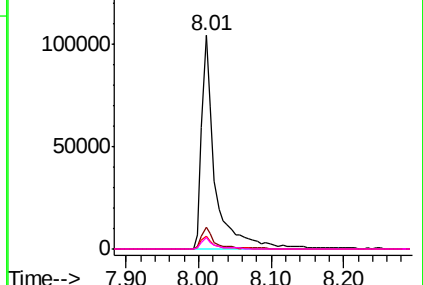


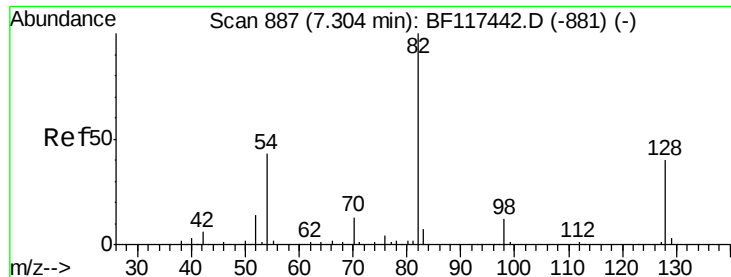
Abundance Ion 136.00 (135.70 to 136.70): E

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

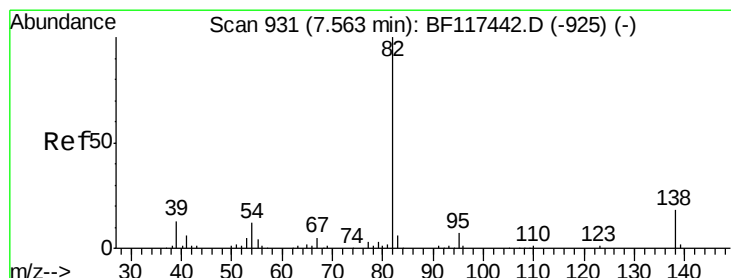
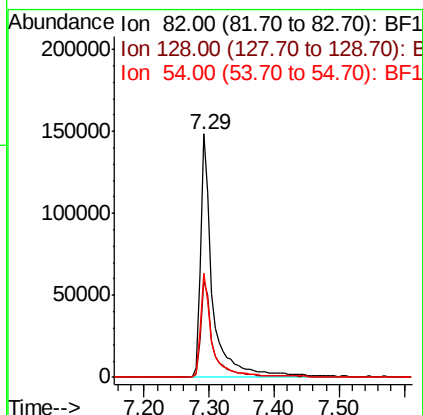
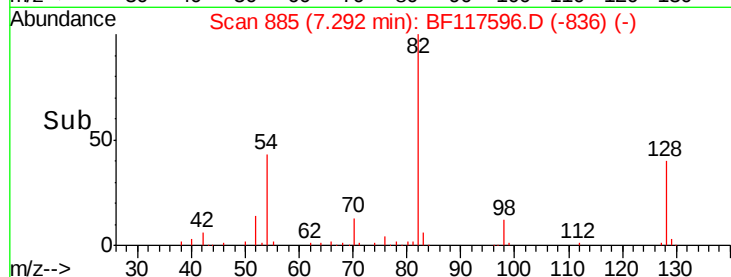
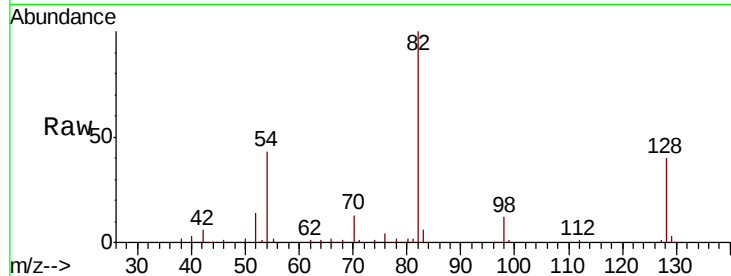




#23
 Nitrobenzene-d5
 Concen: 70.526 ng
 RT: 7.29 min Scan# 885
 Delta R.T. -0.01 min
 Lab File: BF117596.D
 Acq: 29 Oct 2019 17:38

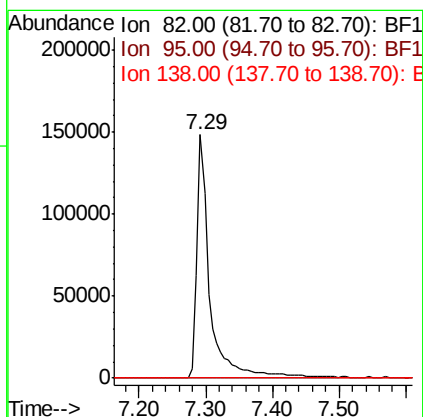
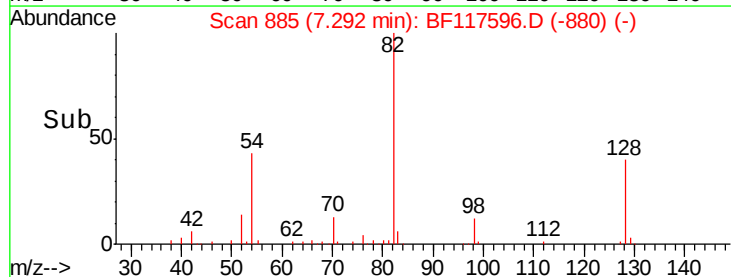
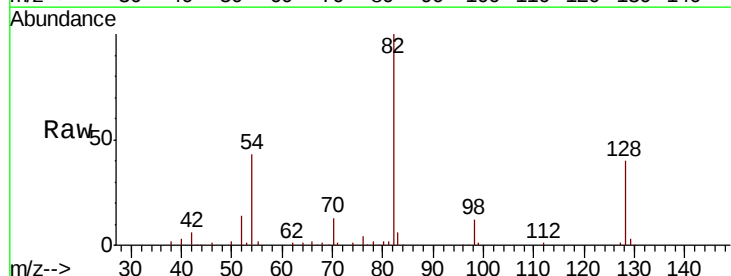
Instrument :
 BNA_F
 ClientSampleId :

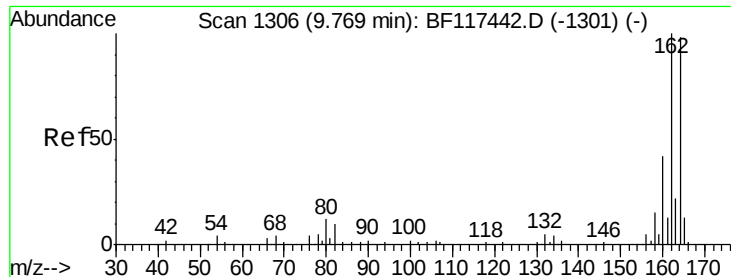
Tot Ion	82	Resp	193086
Ion Ratio	Lower	Upper	
82	100		
128	39.6	32.2	48.2
54	43.0	34.2	51.2



#25
 Isophorone
 Concen: 40.768 ng
 RT: 7.29 min Scan# 885
 Delta R.T. -0.27 min
 Lab File: BF117596.D
 Acq: 29 Oct 2019 17:38

Tgt Ion	82	Resp	193085
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.4	8.0#
138	0.0	14.2	21.2#

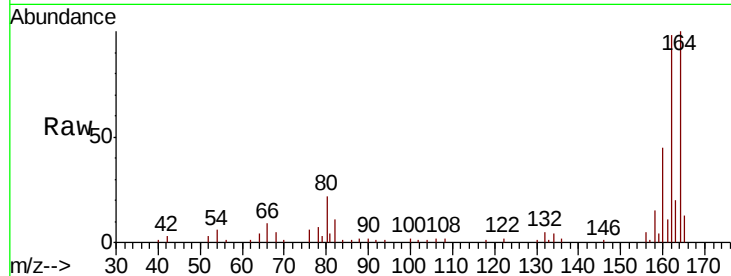




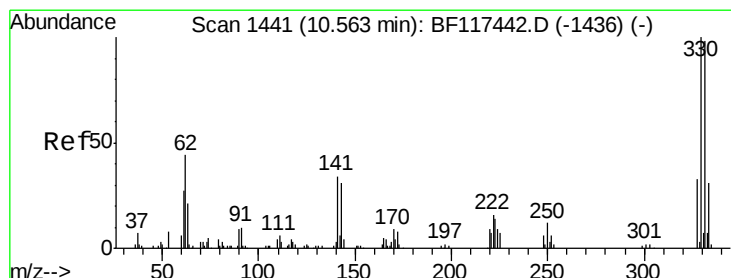
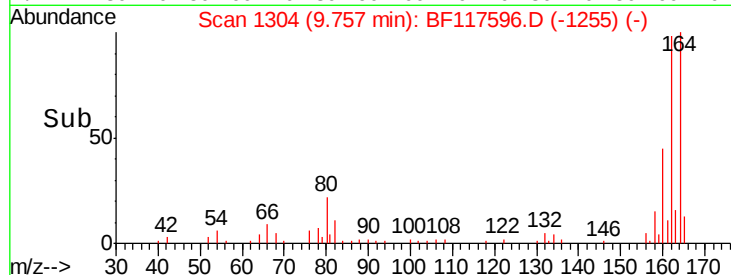
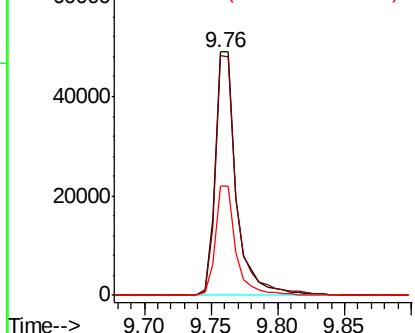
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF117596.D
 Acq: 29 Oct 2019 17:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 55029
 Ion Ratio Lower Upper
 164 100
 162 98.4 81.8 122.6
 160 44.9 34.4 51.6

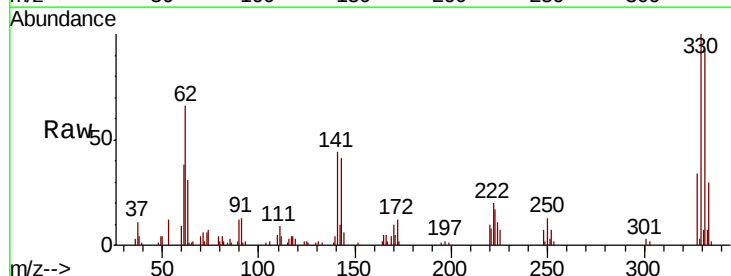


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

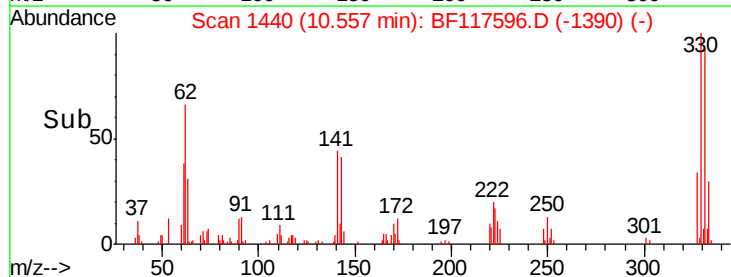
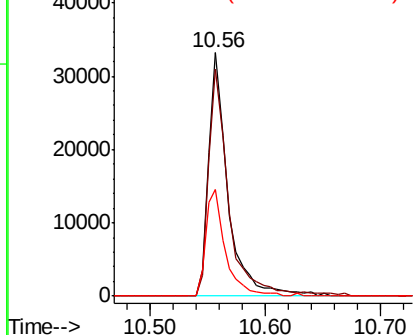


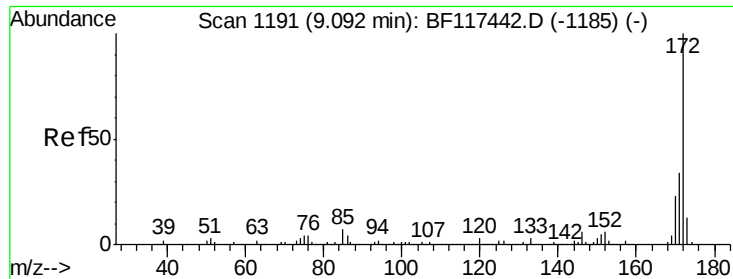
#42
 2,4,6-Tribromophenol
 Concen: 81.404 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BF117596.D
 Acq: 29 Oct 2019 17:38

Tgt Ion:330 Resp: 38760
 Ion Ratio Lower Upper
 330 100
 332 97.2 78.5 117.7
 141 44.4 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

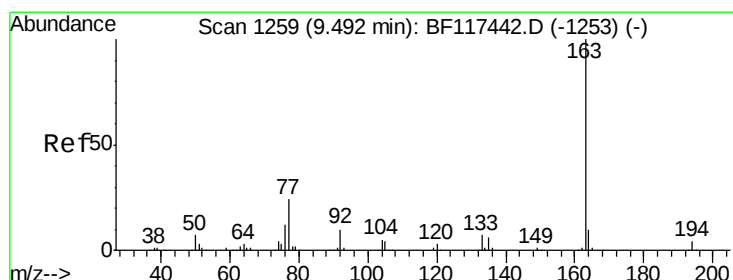
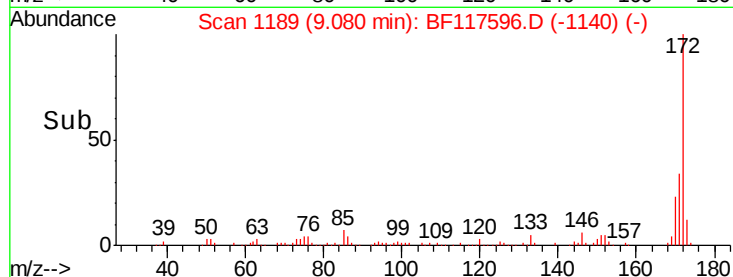
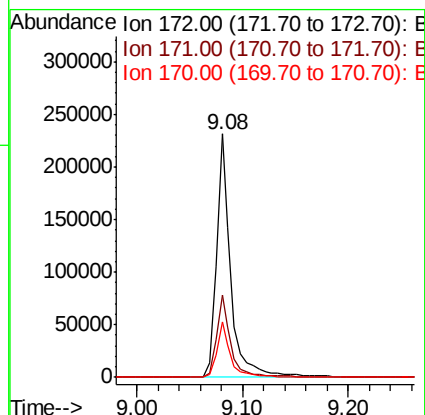
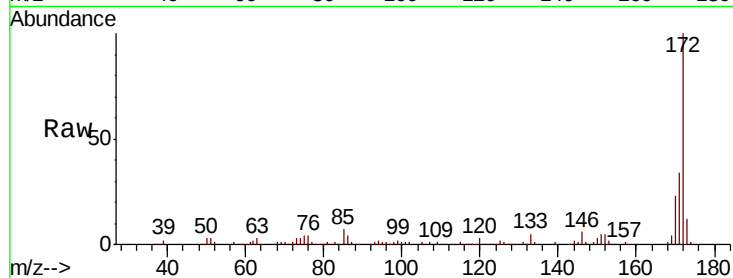




#45
2-Fluorobiphenyl
Concen: 56.696 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF117596.D
Acq: 29 Oct 2019 17:38

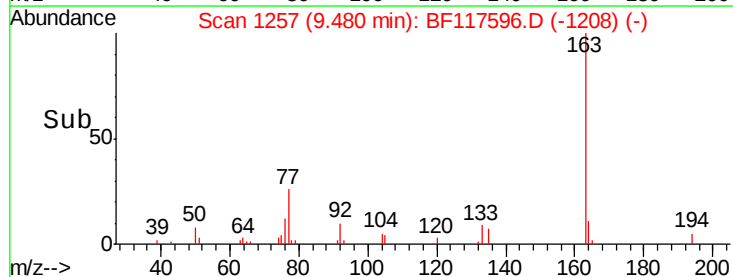
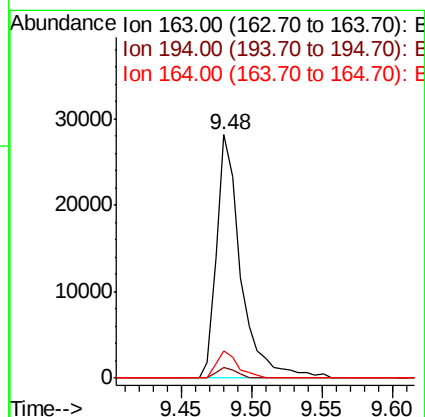
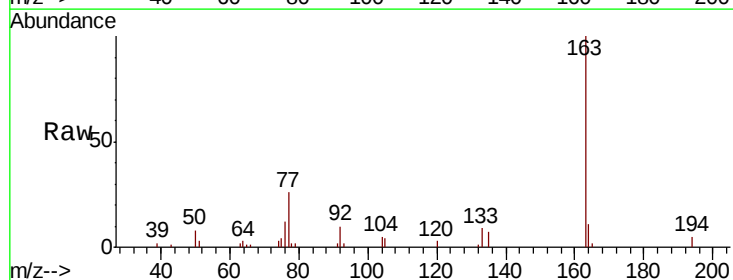
Instrument :
BNA_F
ClientSampleId :

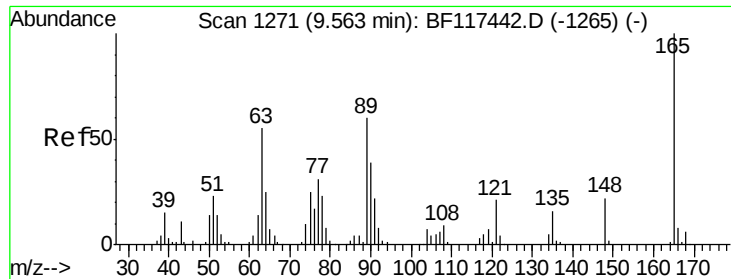
Tot Ion:172 Resp: 221431
Ion Ratio Lower Upper
172 100
171 34.0 27.5 41.3
170 22.9 18.6 27.8



#50
Dimethylphthalate
Concen: 8.580 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117596.D
Acq: 29 Oct 2019 17:38

Tgt Ion:163 Resp: 33658
Ion Ratio Lower Upper
163 100
194 4.6 2.9 4.3#
164 11.2 8.2 12.2

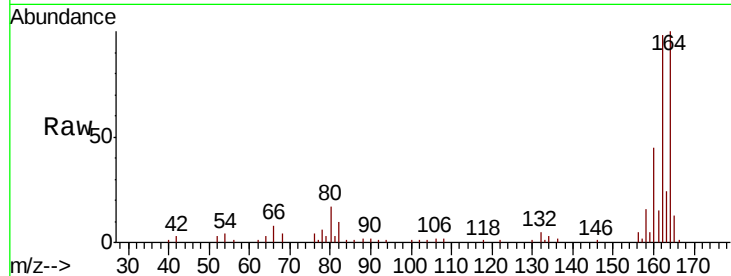




#51
 2,6-Dinitrotoluene
 Concen: 8.184 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. 0.20 min
 Lab File: BF117596.D
 Acq: 29 Oct 2019 17:38

Instrument :
 BNA_F
 ClientSampleId :

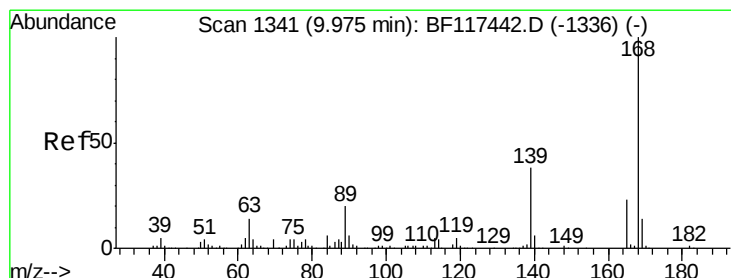
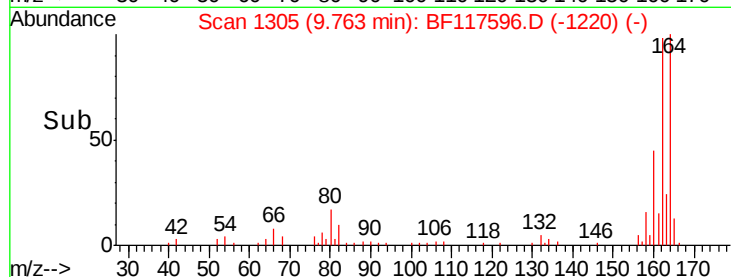
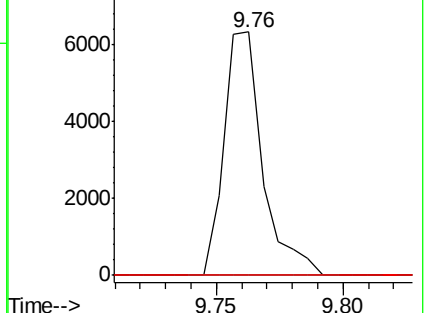
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.8	65.8#
89	0.0	47.6	71.4#



Abundance Ion 165.00 (164.70 to 165.70): E

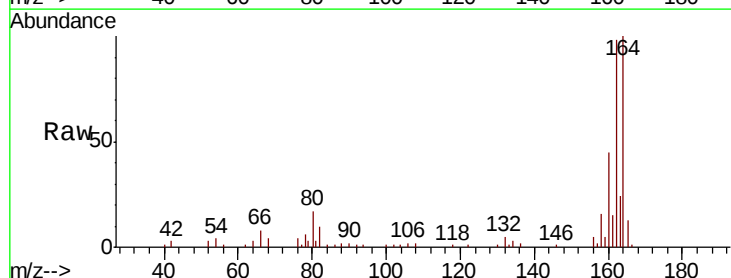
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#57
 2,4-Dinitrotoluene
 Concen: 6.156 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.21 min
 Lab File: BF117596.D
 Acq: 29 Oct 2019 17:38

Tgt 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#

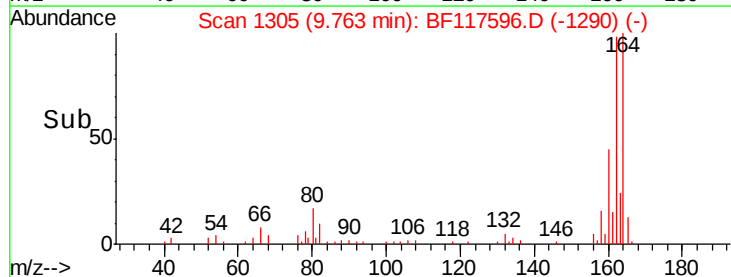
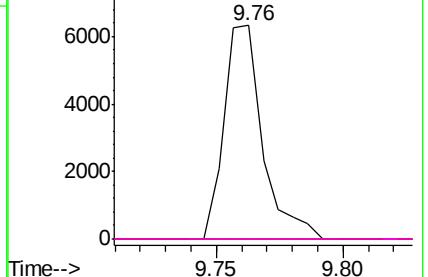


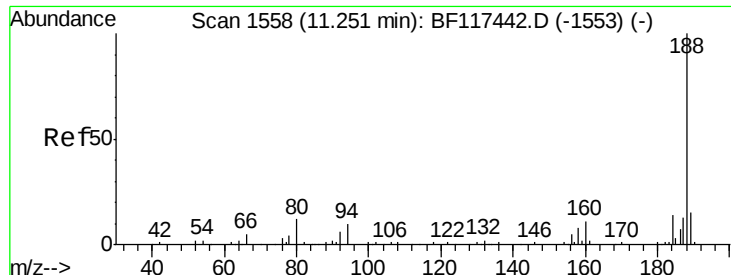
Abundance Ion 165.00 (164.70 to 165.70): E

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# 1558

Delta R.T. -0.00 min

Lab File: BF117596.D

Acq: 29 Oct 2019 17:38

Instrument :

BNA_F

ClientSampleId :

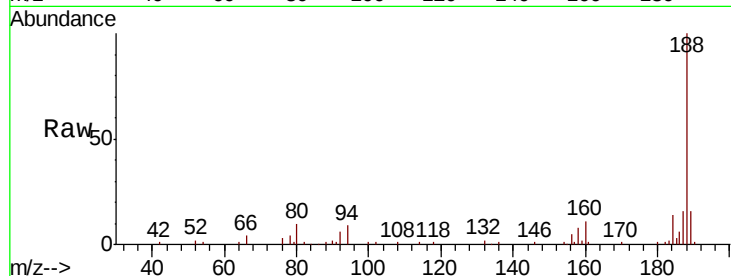
Tot Ion:188 Resp: 78541

Ion Ratio Lower Upper

188 100

94 9.2 8.0 12.0

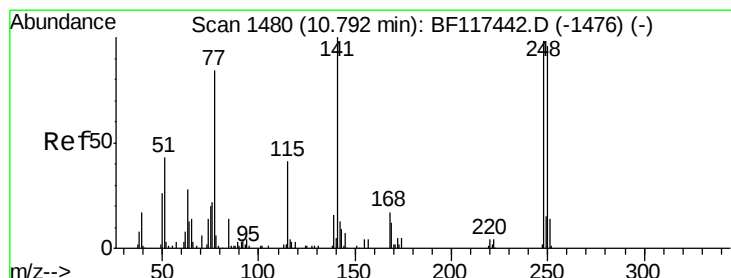
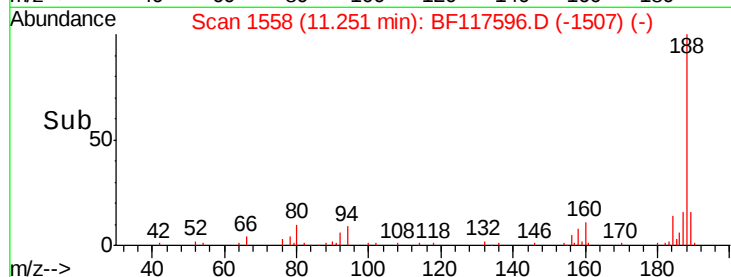
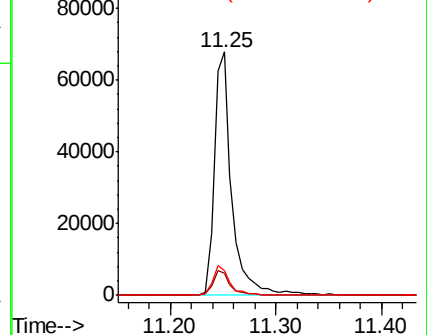
80 10.2 9.5 14.3



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



#67

4-Bromophenyl-phenylether

Concen: 2.738 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.24 min

Lab File: BF117596.D

Acq: 29 Oct 2019 17:38

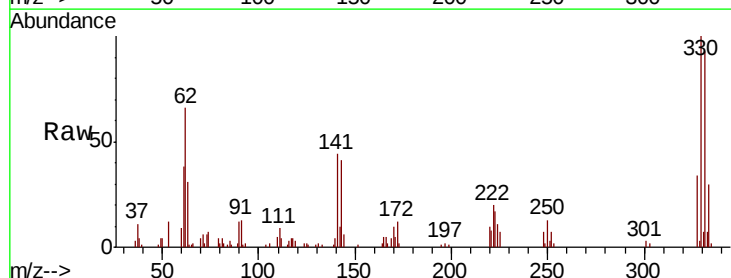
Tgt Ion:248 Resp: 2316

Ion Ratio Lower Upper

248 100

250 180.2 78.0 117.0#

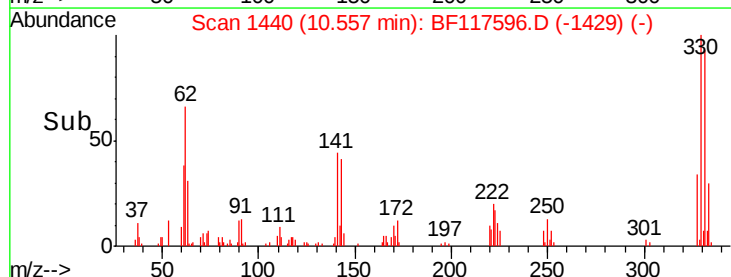
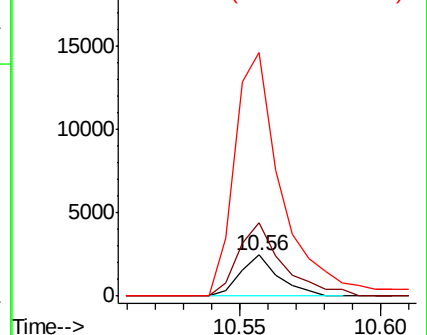
141 594.0 81.7 122.5#

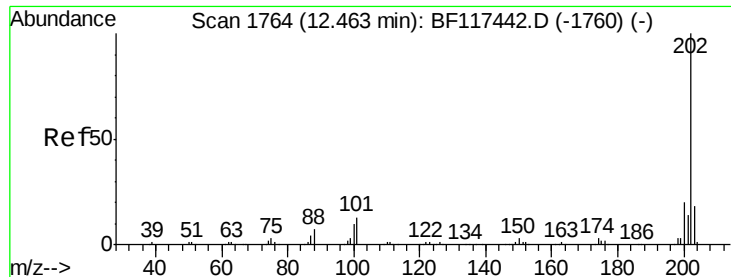


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Fluoranthene

Concen: 5.961 ng

RT: 12.46 min Scan# 1764

Delta R.T. -0.00 min

Lab File: BF117596.D

Acq: 29 Oct 2019 17:38

Instrument :

BNA_F

ClientSampleId :

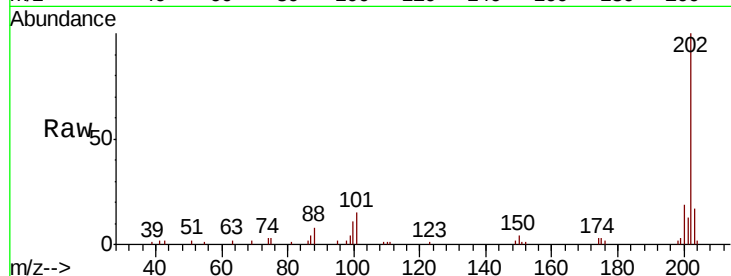
Tot Ion:202 Resp: 27216

Ion Ratio Lower Upper

202 100

101 15.4 0.0 32.7

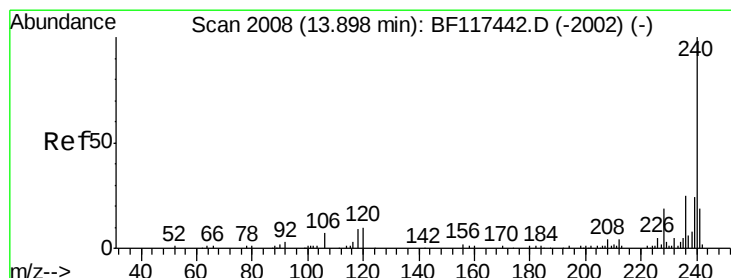
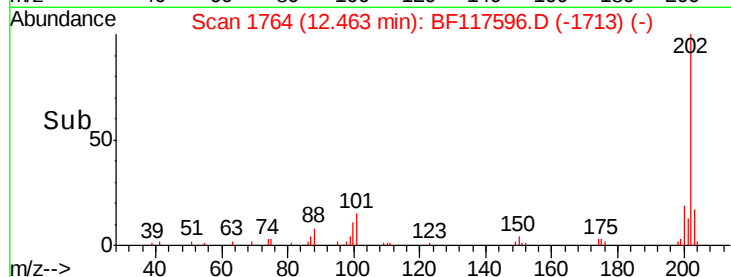
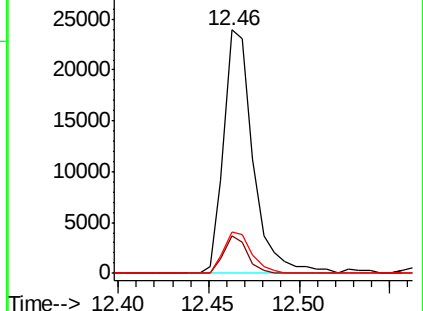
203 17.2 0.0 37.6



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: BF117596.D

Acq: 29 Oct 2019 17:38

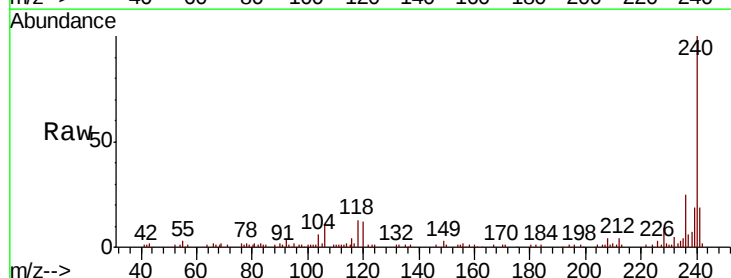
Tgt Ion:240 Resp: 67668

Ion Ratio Lower Upper

240 100

120 11.9 8.4 12.6

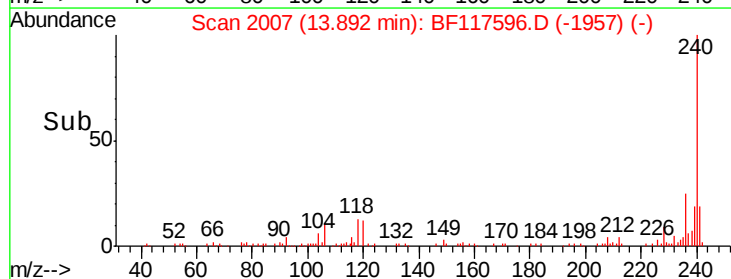
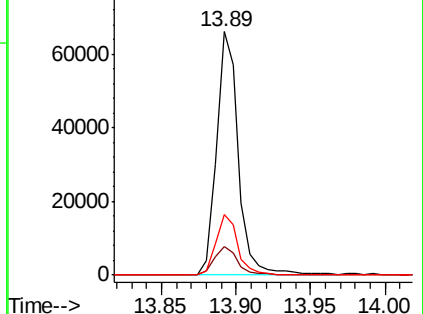
236 24.7 20.0 30.0

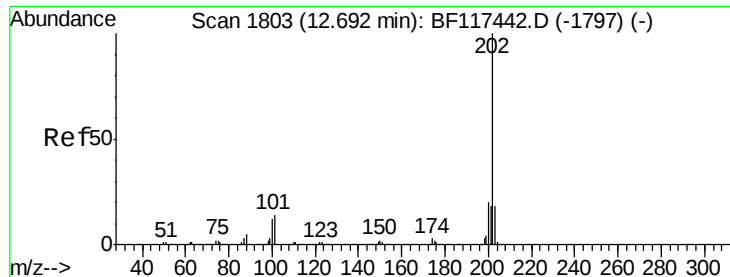


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 4.640 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.00 min

Lab File: BF117596.D

Acq: 29 Oct 2019 17:38

Instrument :

BNA_F

ClientSampleId :

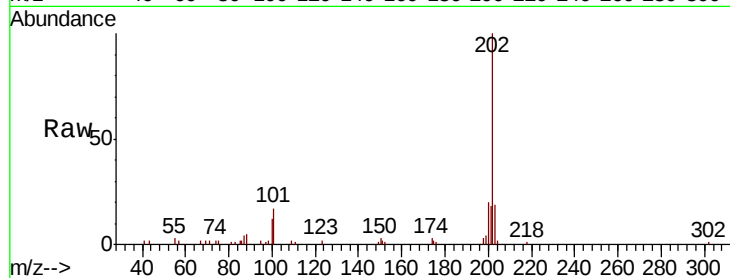
Tot Ion:202 Resp: 26969

Ion Ratio Lower Upper

202 100

200 19.7 16.2 24.2

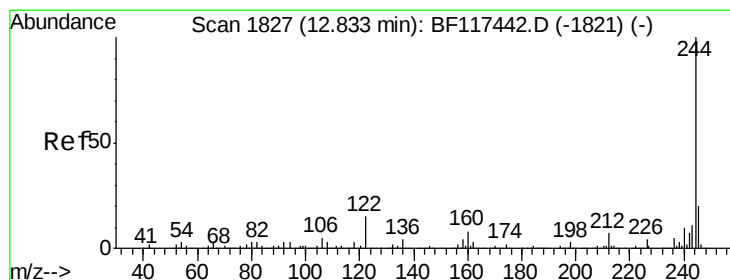
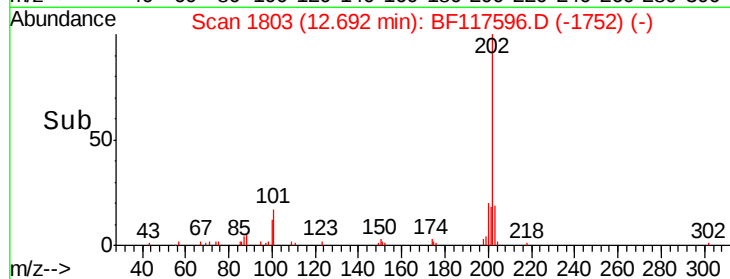
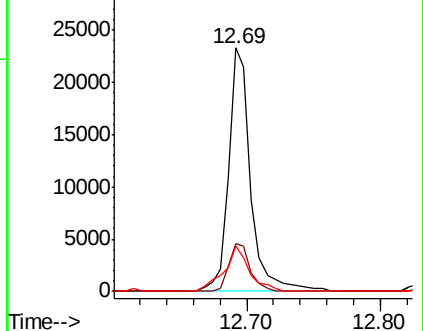
203 18.7 14.0 21.0



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: 35.506 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF117596.D

Acq: 29 Oct 2019 17:38

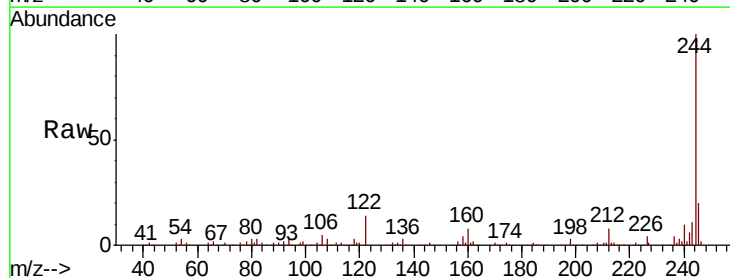
Tgt Ion:244 Resp: 147300

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.6

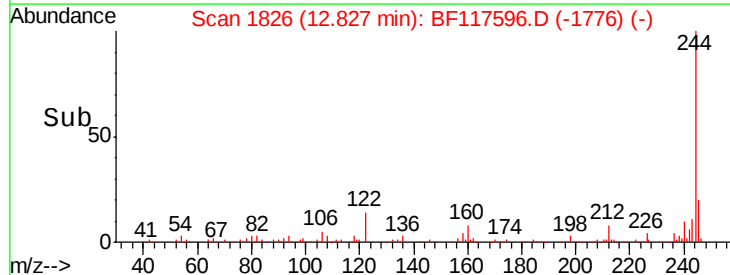
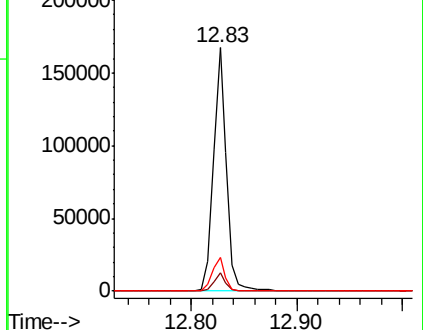
122 13.6 11.8 17.8

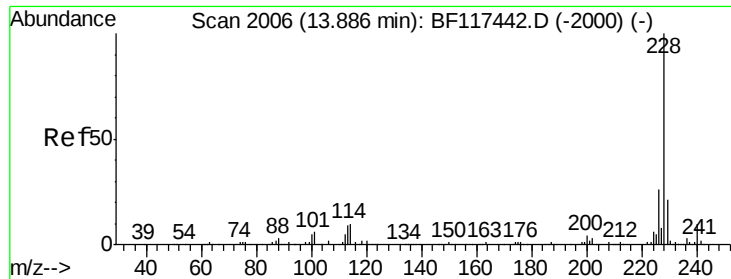


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

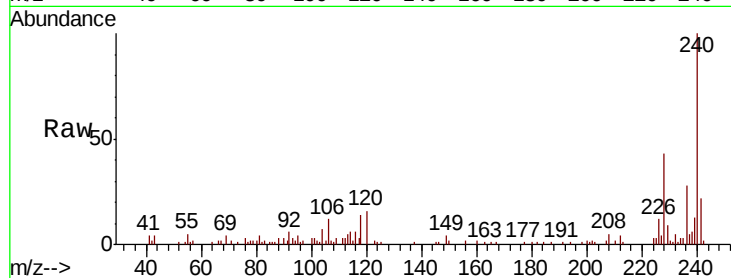




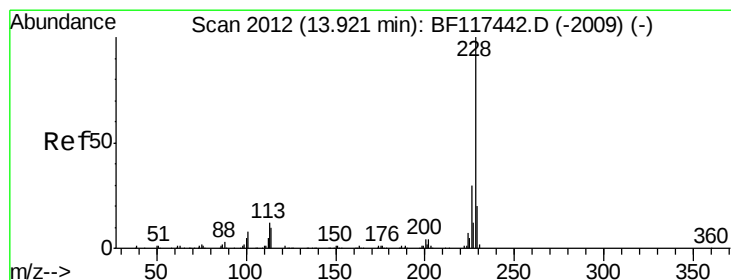
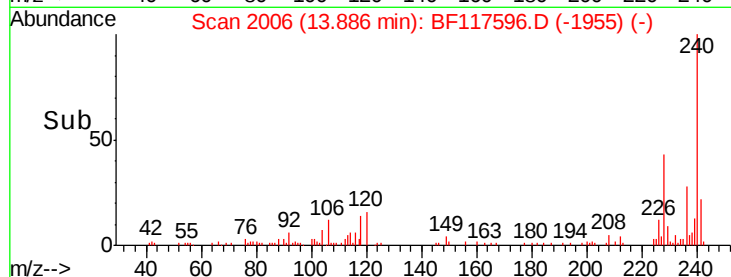
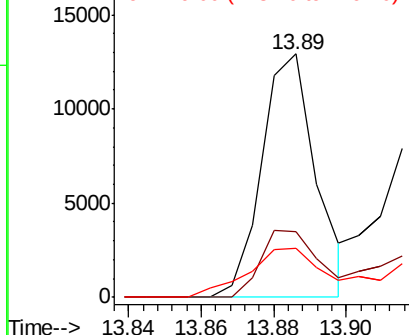
#81
Benzo(a)anthracene
Concen: 2.939 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.00 min
Lab File: BF117596.D
Acq: 29 Oct 2019 17:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 13414
Ion Ratio Lower Upper
228 100
226 27.1 21.0 31.4
229 20.1 16.4 24.6

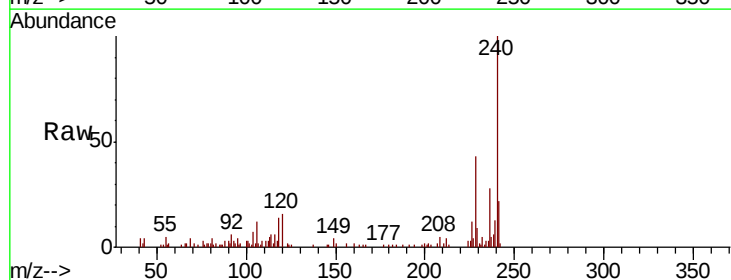


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

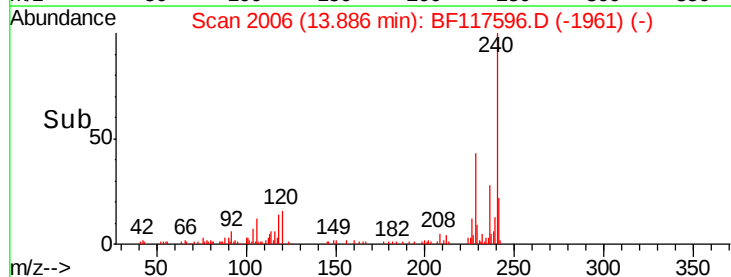
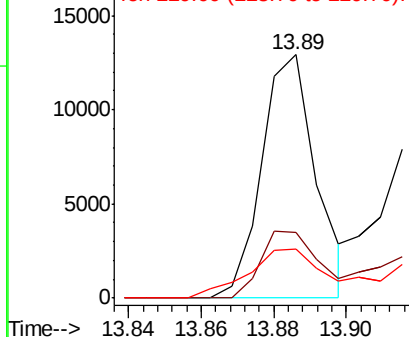


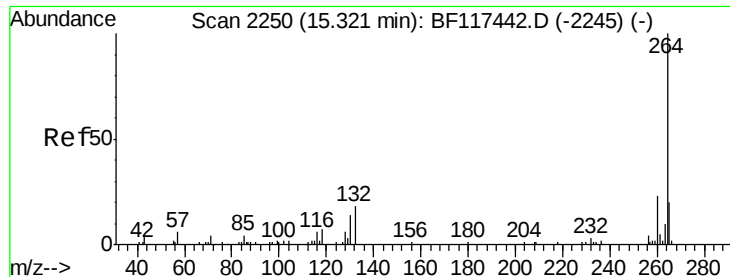
#83
Chrysene
Concen: 2.999 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.04 min
Lab File: BF117596.D
Acq: 29 Oct 2019 17:38

Tgt Ion:228 Resp: 13414
Ion Ratio Lower Upper
228 100
226 27.1 23.9 35.9
229 20.1 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

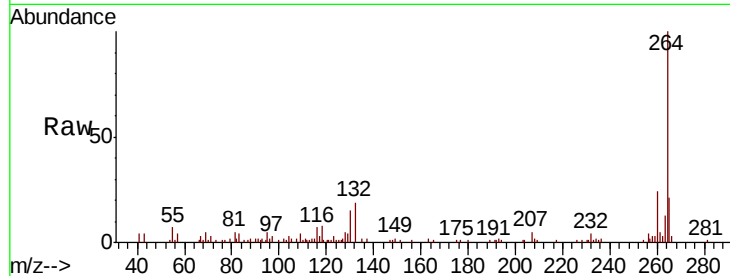




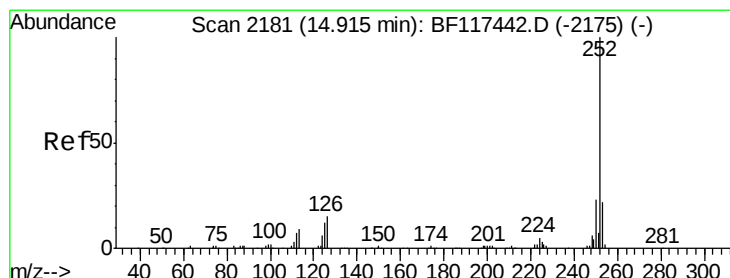
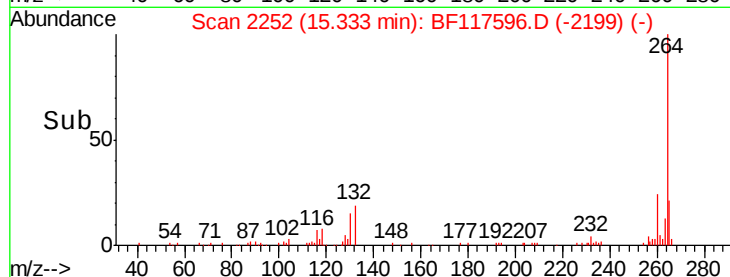
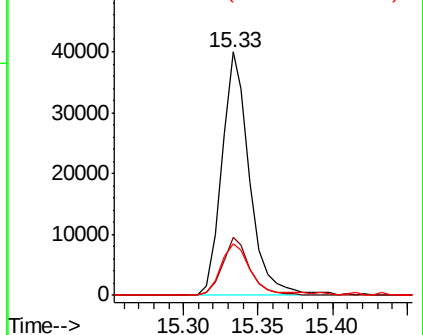
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF117596.D
Acq: 29 Oct 2019 17:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 52053
Ion Ratio Lower Upper
264 100
260 24.1 18.4 27.6
265 21.1 16.1 24.1

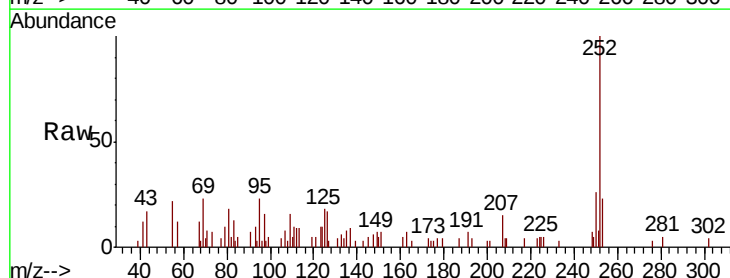


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

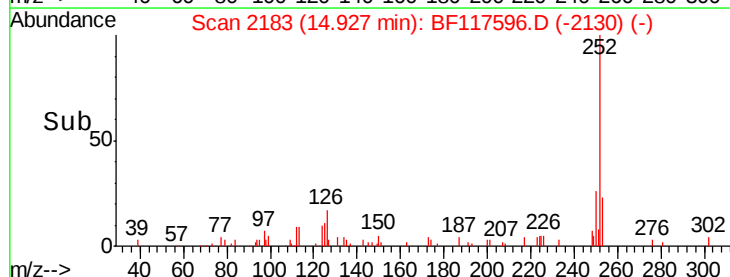
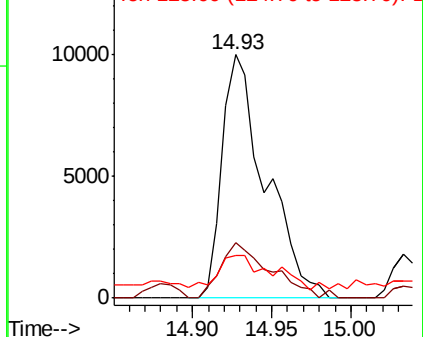


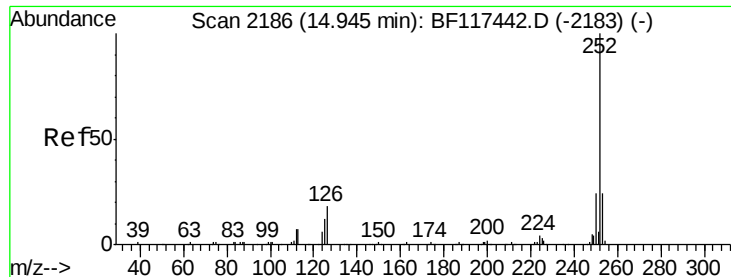
#88
Benzo(b)fluoranthene
Concen: 6.164 ng
RT: 14.93 min Scan# 2183
Delta R.T. 0.01 min
Lab File: BF117596.D
Acq: 29 Oct 2019 17:38

Tgt Ion:252 Resp: 18947
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.6
125 17.8 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

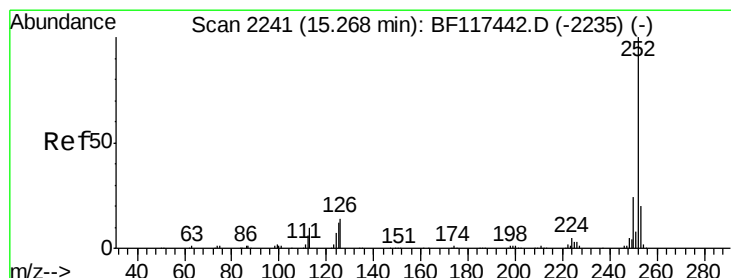
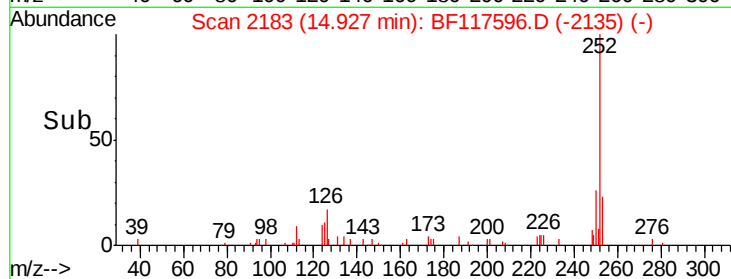
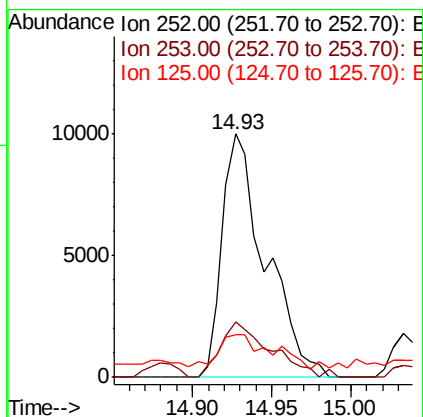
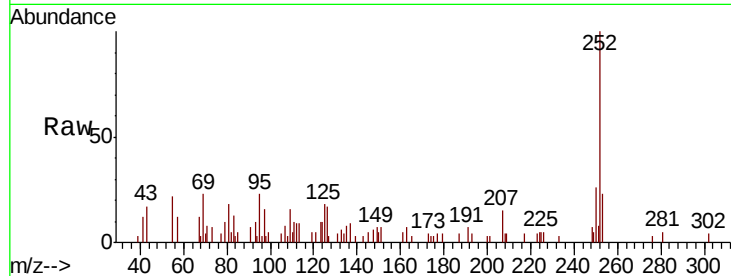




#89
Benzo(k)fluoranthene
Concen: 6.014 ng
RT: 14.93 min Scan# 2183
Delta R.T. -0.02 min
Lab File: BF117596.D
Acq: 29 Oct 2019 17:38

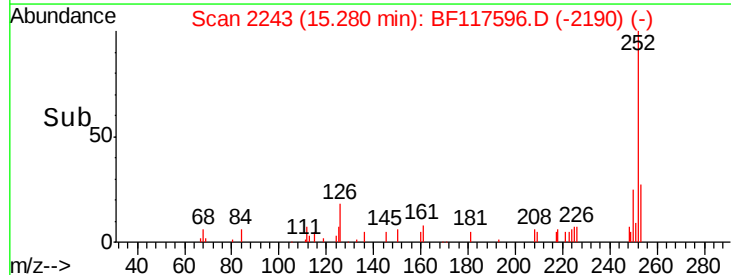
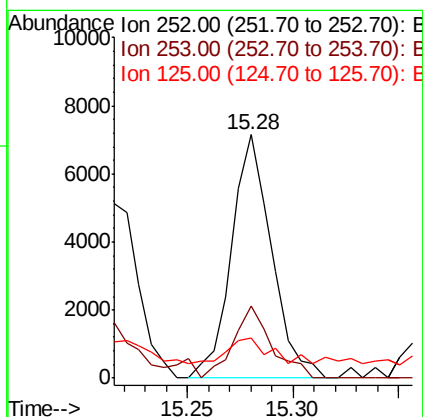
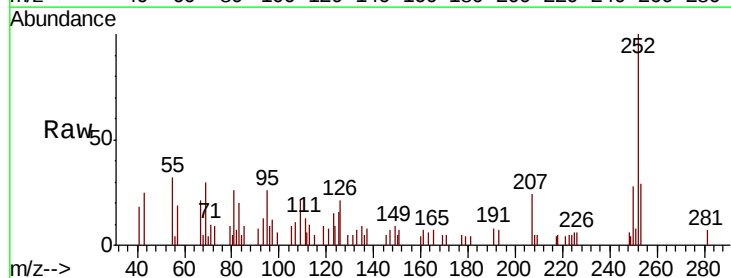
Instrument :
BNA_F
ClientSampleId :

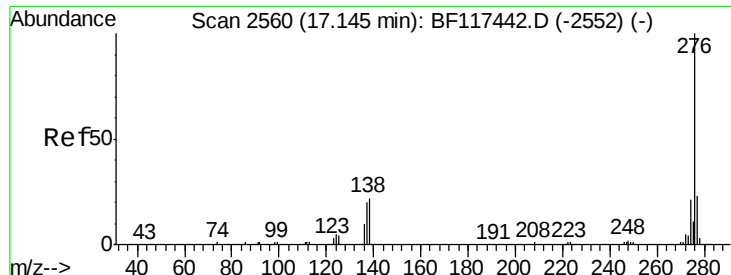
Tot Ion:252 Resp: 18947
Ion Ratio Lower Upper
252 100
253 22.6 18.0 27.0
125 17.8 8.9 13.3#



#90
Benzo(a)pyrene
Concen: 3.357 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.01 min
Lab File: BF117596.D
Acq: 29 Oct 2019 17:38

Tgt Ion:252 Resp: 9381
Ion Ratio Lower Upper
252 100
253 29.4 16.3 24.5#
125 16.5 9.2 13.8#





#92

Benzo(a,h,i)perylene

Concen: 2.109 ng

RT: 17.19 min Scan# 2568

Delta R.T. 0.05 min

Lab File: BF117596.D

Acq: 29 Oct 2019 17:38

Instrument :

BNA_F

ClientSampleId :

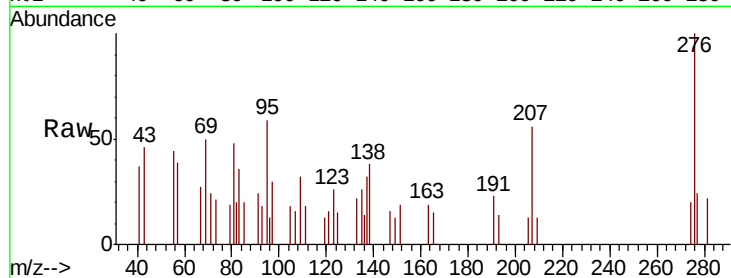
Tot Ion: 276 Resp: 4822

Ion Ratio Lower Upper

276 100

277 23.9 18.4 27.6

138 38.4 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

