

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
 Data File : BF117587.D
 Acq On : 29 Oct 2019 13:37
 Operator : JU
 Sample : K5503-13
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 30 01:19:19 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	46060	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	175947	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	75137	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	103412	20.00	ng	0.00
76) Chrysene-d12	13.89	240	88465	20.00	ng	0.00
87) Perylene-d12	15.33	264	79899	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	202763	65.49	ng	0.00
7) Phenol-d6	6.39	99	274521	66.02	ng	0.00
23) Nitrobenzene-d5	7.29	82	159790	44.83	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	34027	52.34	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	220358	41.32	ng	-0.01
79) Terphenyl-d14	12.83	244	146691	27.05	ng	0.00

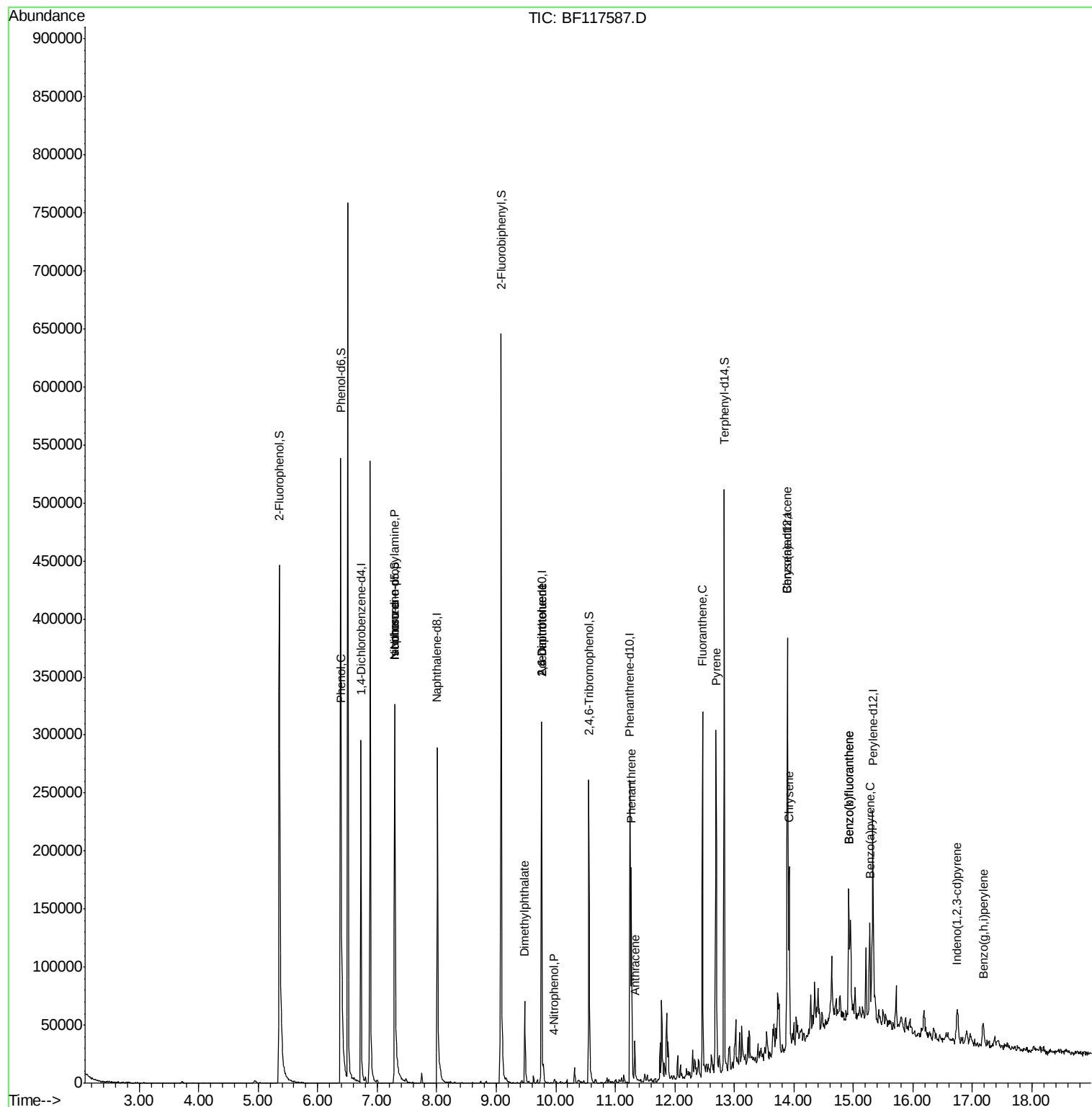
Target Compounds				Qvalue		
9) Benzaldehyde	6.50	77	5266	Below Cal	#	74
10) Phenol	6.40	94	10326	2.433	ng	87
19) n-Nitroso-di-n-propylamine	7.29	70	21495	8.464	ng	79
25) Isophorone	7.29	82	159789	25.917	ng	65
50) Dimethylphthalate	9.48	163	34781	6.493	ng	99
51) 2,6-Dinitrotoluene	9.76	165	9830	8.794	ng	22
56) 4-Nitrophenol	9.98	139	1130	5.847	ng	6
57) 2,4-Dinitrotoluene	9.76	165	9830	6.615	ng	12
71) Phenanthrene	11.27	178	80903	13.473	ng	96
72) Anthracene	11.33	178	20369	3.306	ng	98
75) Fluoranthene	12.46	202	117593	19.562	ng	99
77) Benzidine	12.83	184	2050	Below Cal	#	73
78) Pvrene	12.69	202	119951	15.786	ng	99
81) Benzo(a)anthracene	13.89	228	59118	9.907	ng	97
83) Chrysene	13.92	228	58254	9.961	ng	98
86) Indeno(1,2,3-cd)pyrene	16.75	276	18726	4.289	ng	100
88) Benzo(b)fluoranthene	14.92	252	74968	15.889	ng	96
89) Benzo(k)fluoranthene	14.92	252	74968	15.503	ng	# 95
90) Benzo(a)pvrene	15.27	252	39291	9.159	ng	94
92) Benzo(a,h,i)perylene	17.18	276	16073	4.580	ng	# 92

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

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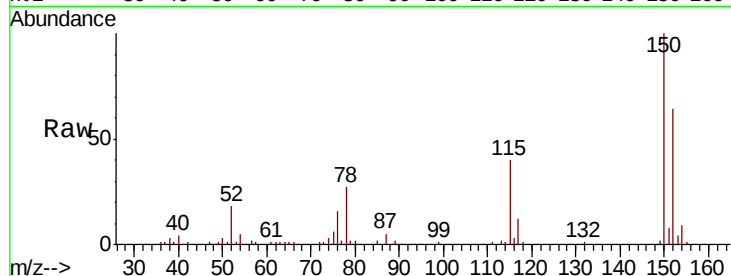


#1

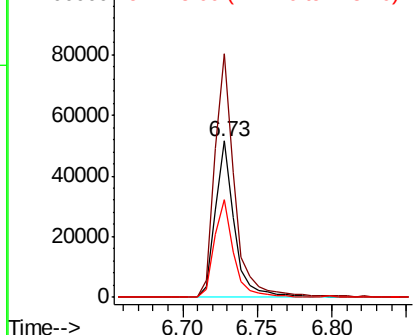
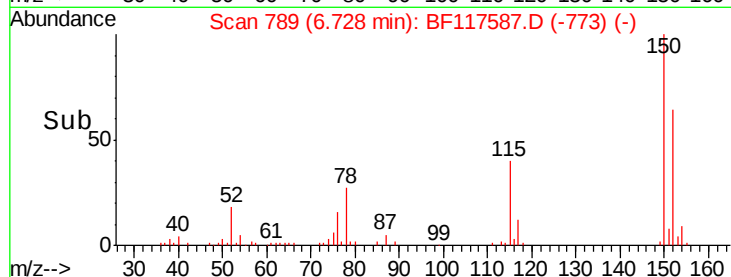
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117587.D
Acq: 29 Oct 2019 13:37

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 46060
Ion Ratio Lower Upper
152 100
150 156.1 126.8 190.2
115 62.3 51.6 77.4



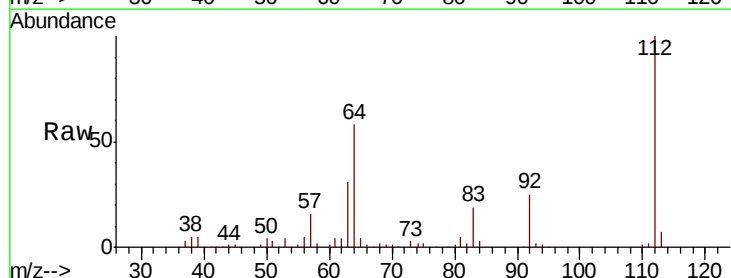
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



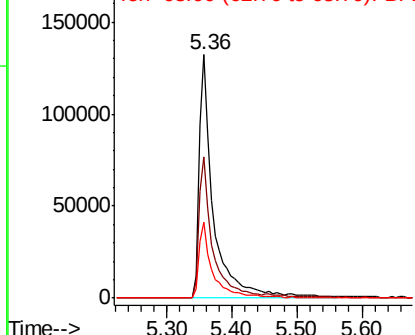
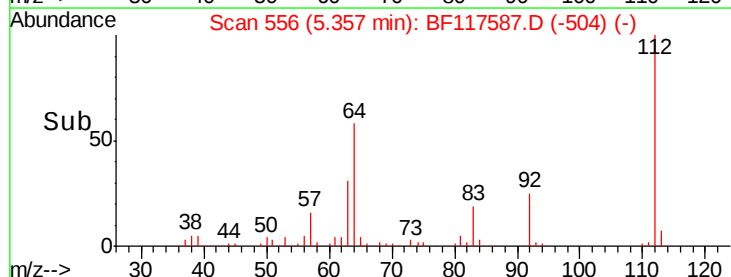
#5

2-Fluorophenol
Concen: 65.491 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF117587.D
Acq: 29 Oct 2019 13:37

Tgt Ion:112 Resp: 202763
Ion Ratio Lower Upper
112 100
64 58.0 44.1 66.1
63 31.3 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: 66.017 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117587.D

Acq: 29 Oct 2019 13:37

Instrument :

BNA_F

ClientSampled :

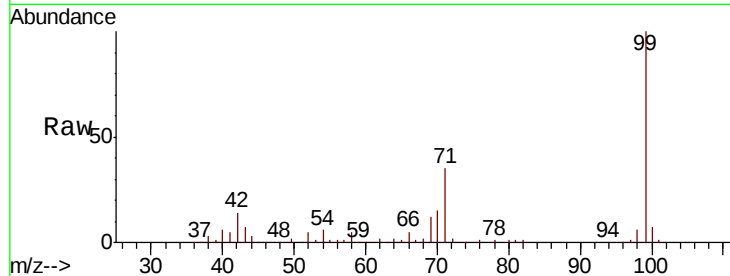
Tot Ion: 99 Resp: 274521

Ion Ratio Lower Upper

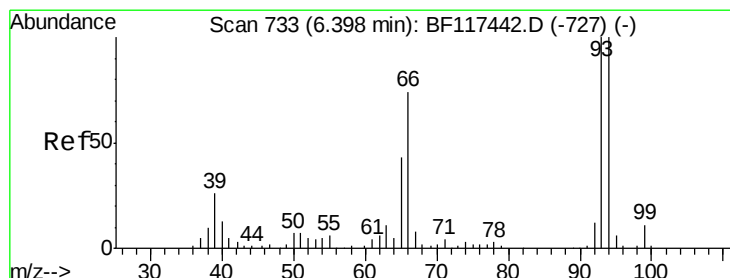
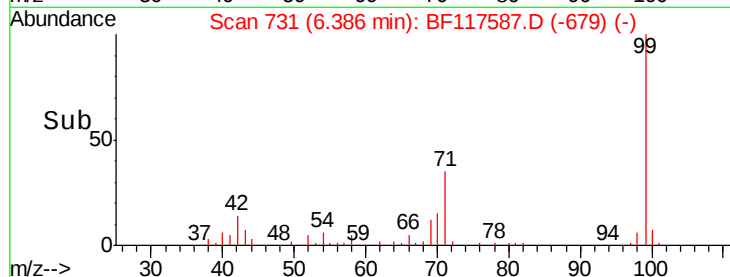
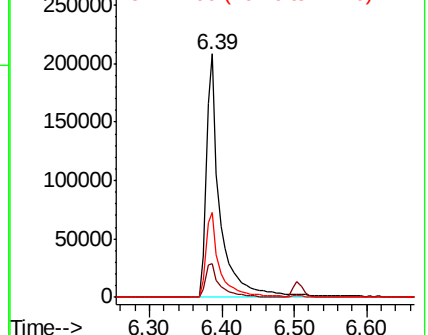
99 100

42 14.0 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



#10

Phenol

Concen: 2.433 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.00 min

Lab File: BF117587.D

Acq: 29 Oct 2019 13:37

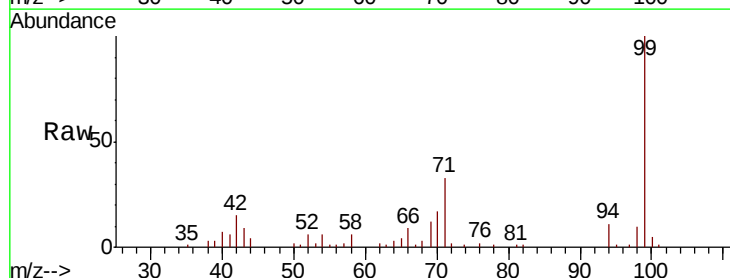
Tgt Ion: 94 Resp: 10326

Ion Ratio Lower Upper

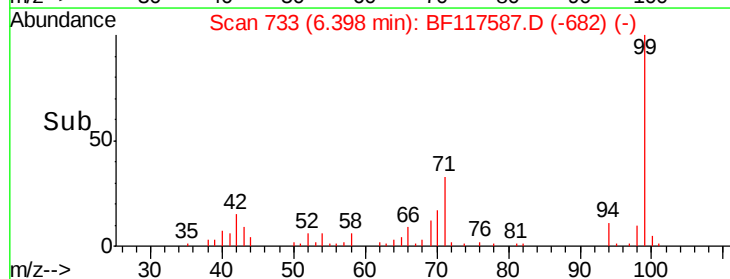
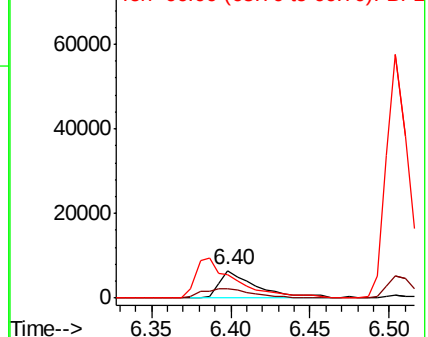
94 100

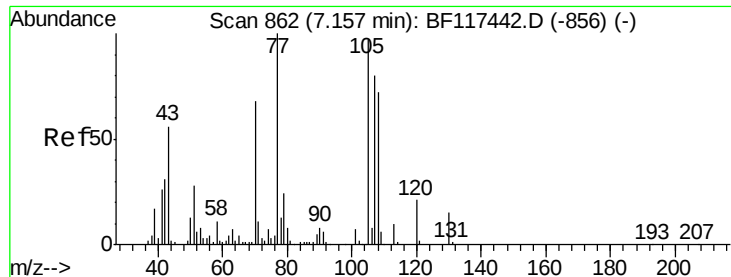
65 35.0 23.4 63.4

66 85.2 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

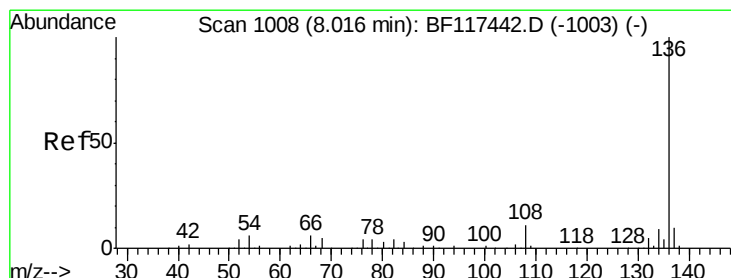
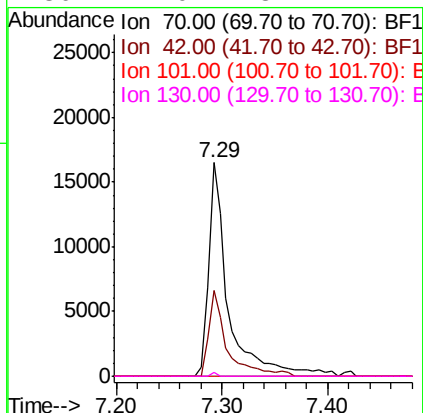
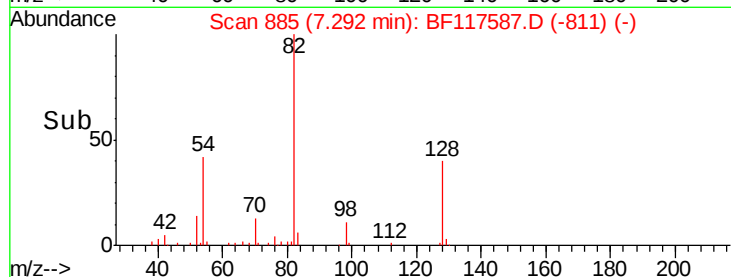
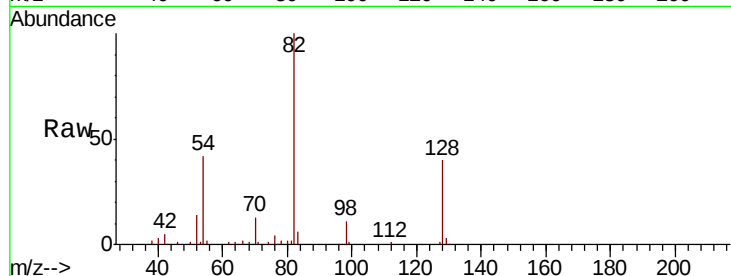




#19
n-Nitroso-di-n-propylamine
Concen: 8.464 ng
RT: 7.29 min Scan# 885
Delta R.T. 0.14 min
Lab File: BF117587.D
Acq: 29 Oct 2019 13:37

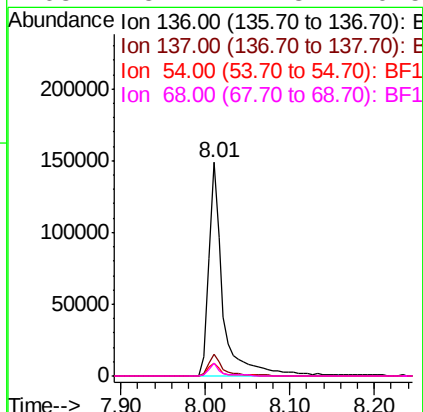
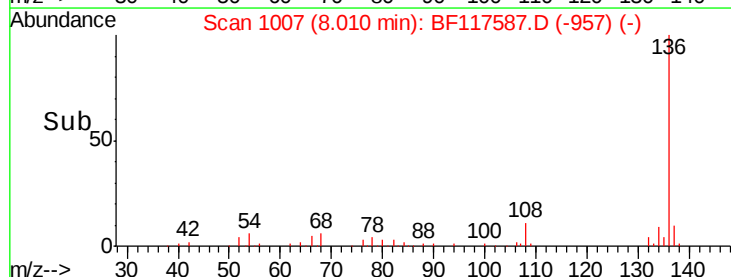
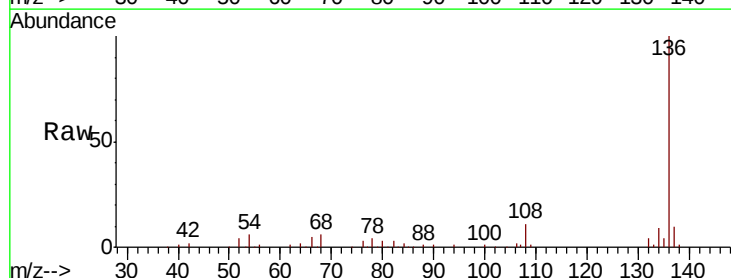
Instrument :
BNA_F
ClientSampleId :

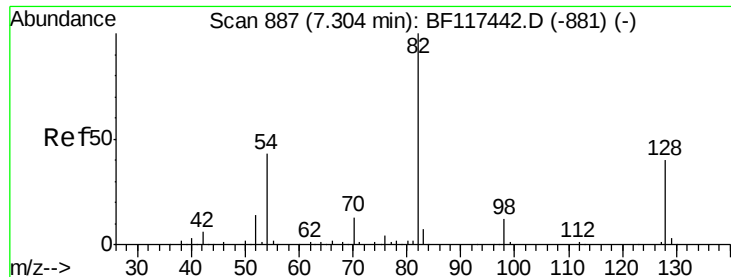
Tot Ion: 70 Resp: 21495
Ion Ratio Lower Upper
70 100
42 40.0 36.7 55.1
101 0.0 8.3 12.5#
130 2.0 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117587.D
Acq: 29 Oct 2019 13:37

Tgt Ion:136 Resp: 175947
Ion Ratio Lower Upper
136 100
137 10.4 8.2 12.4
54 6.0 4.5 6.7
68 5.7 4.3 6.5

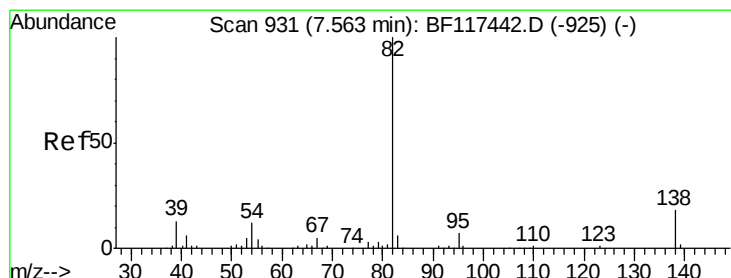
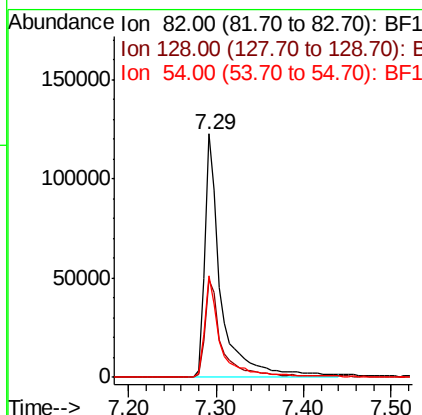
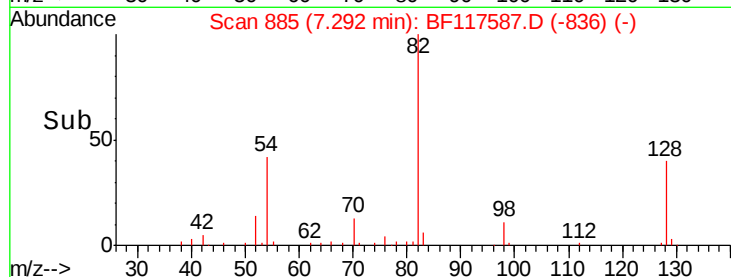
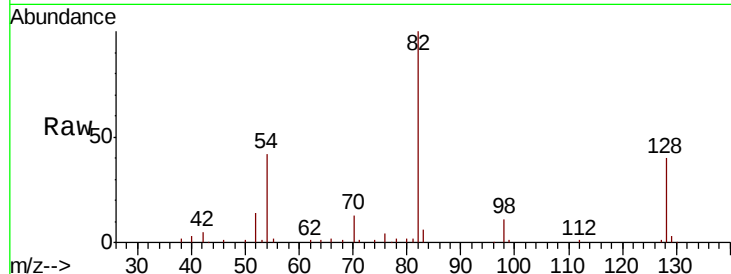




#23
Nitrobenzene-d5
Concen: 44.834 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF117587.D
Acq: 29 Oct 2019 13:37

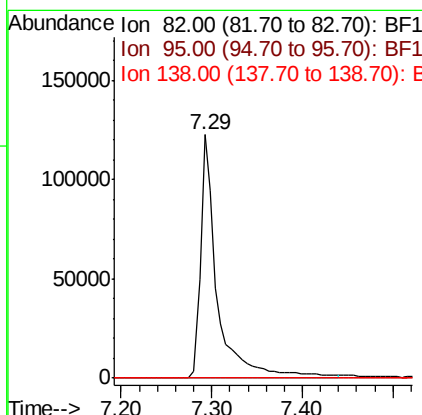
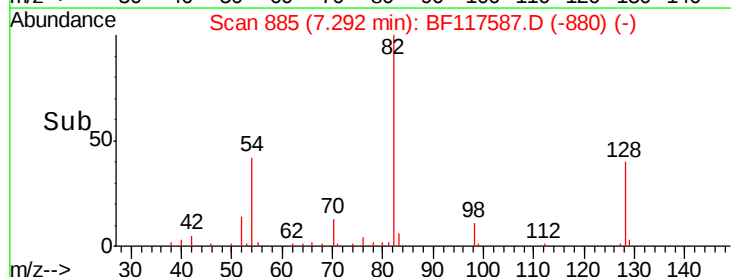
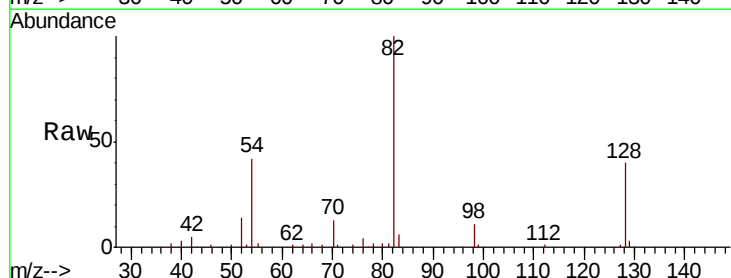
Instrument :
BNA_F
ClientSampleId :

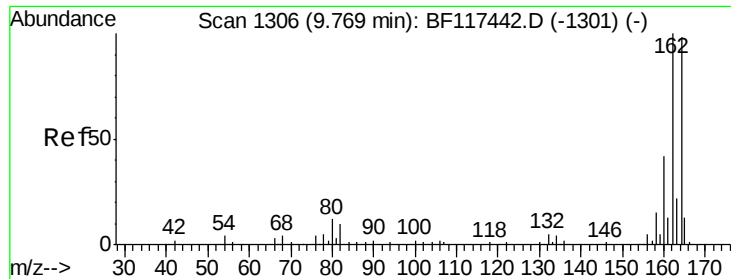
Tot Ion	Ratio	Lower	Upper
82	100		
128	40.0	32.2	48.2
54	41.6	34.2	51.2



#25
Isophorone
Concen: 25.917 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.27 min
Lab File: BF117587.D
Acq: 29 Oct 2019 13:37

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

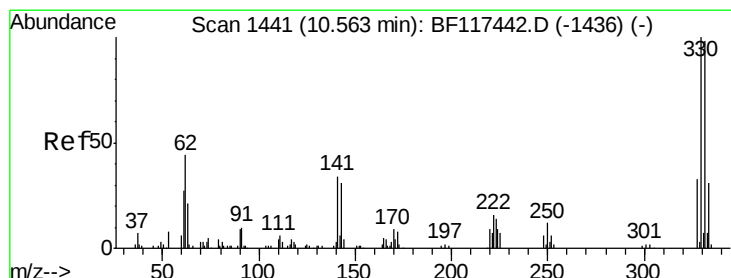
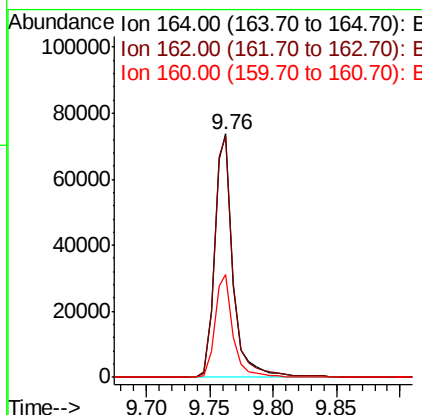
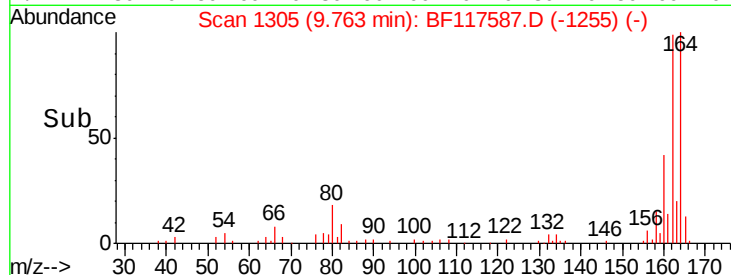
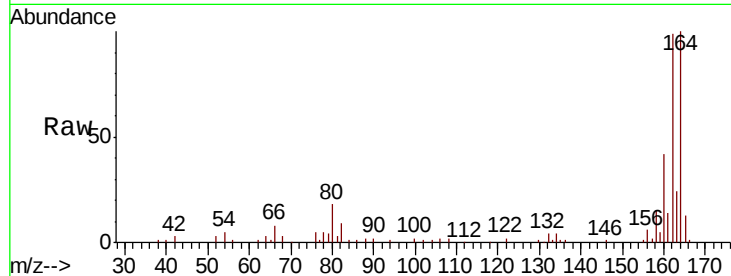




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF117587.D
Acq: 29 Oct 2019 13:37

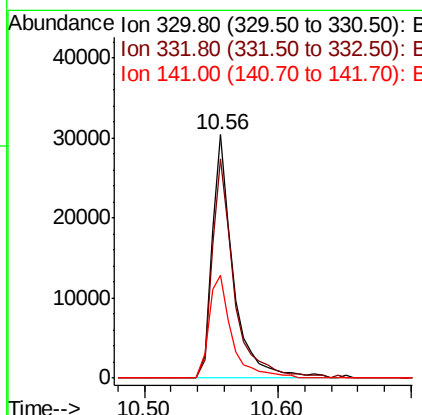
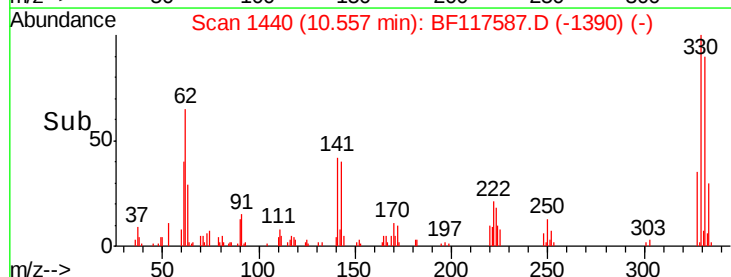
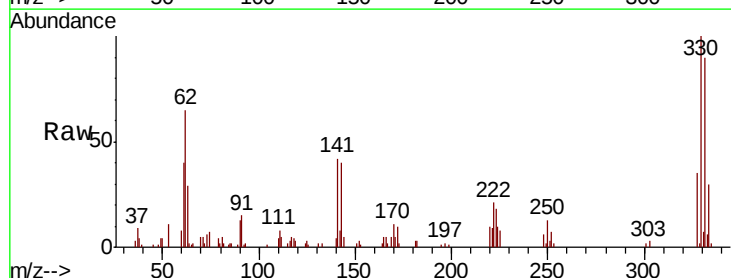
Instrument :
BNA_F
ClientSampleId :

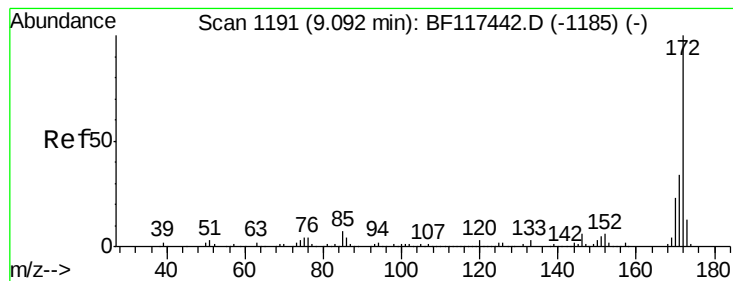
Tot Ion:164 Resp: 75137
Ion Ratio Lower Upper
164 100
162 99.0 81.8 122.6
160 42.3 34.4 51.6



#42
2,4,6-Tribromophenol
Concen: 52.339 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BF117587.D
Acq: 29 Oct 2019 13:37

Tgt Ion:330 Resp: 34027
Ion Ratio Lower Upper
330 100
332 92.8 78.5 117.7
141 44.8 37.0 55.6





#45

2-Fluorobiphenyl

Concen: 41.322 ng

RT: 9.08 min Scan# 1189

Delta R.T. -0.01 min

Lab File: BF117587.D

Acq: 29 Oct 2019 13:37

Instrument :

BNA_F

ClientSampleId :

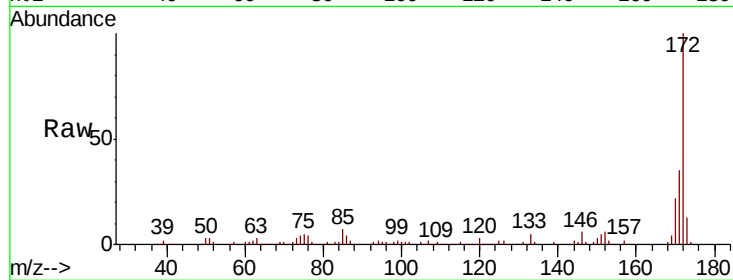
Tot Ion:172 Resp: 220358

Ion Ratio Lower Upper

172 100

171 34.7 27.5 41.3

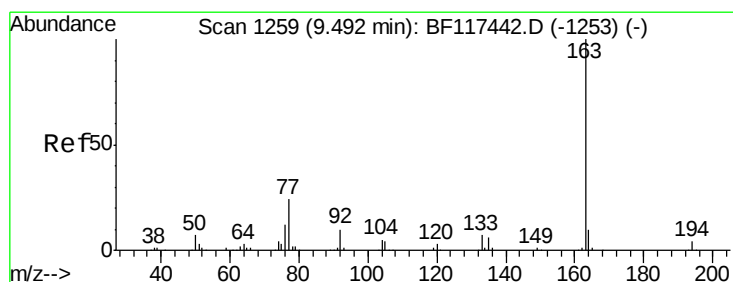
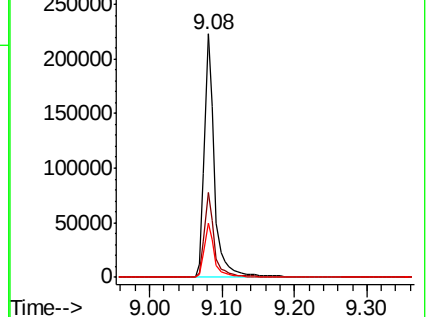
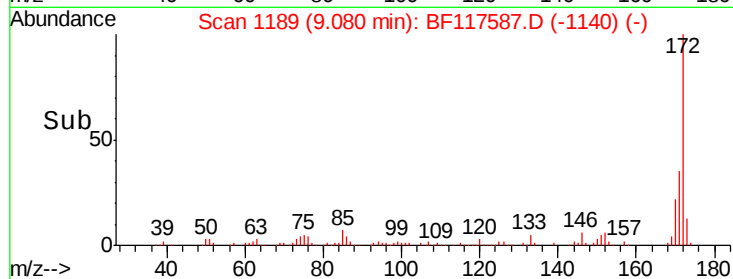
170 22.5 18.6 27.8



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50

Dimethylphthalate

Concen: 6.493 ng

RT: 9.48 min Scan# 1257

Delta R.T. -0.01 min

Lab File: BF117587.D

Acq: 29 Oct 2019 13:37

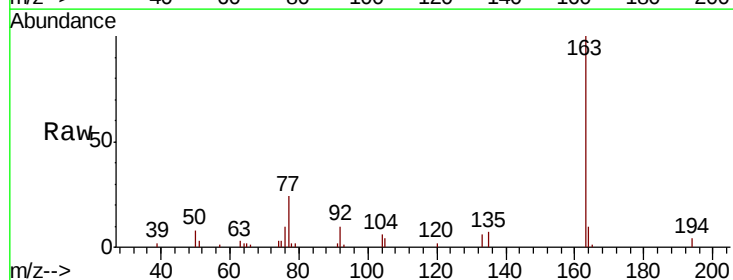
Tgt Ion:163 Resp: 34781

Ion Ratio Lower Upper

163 100

194 3.6 2.9 4.3

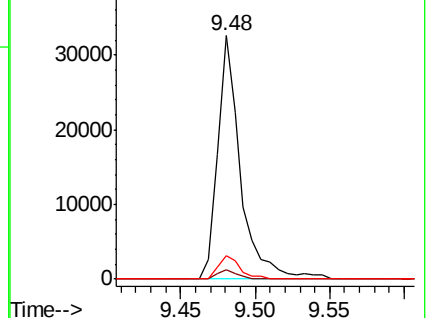
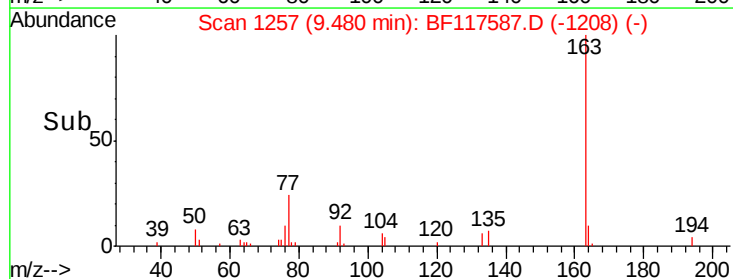
164 9.7 8.2 12.2

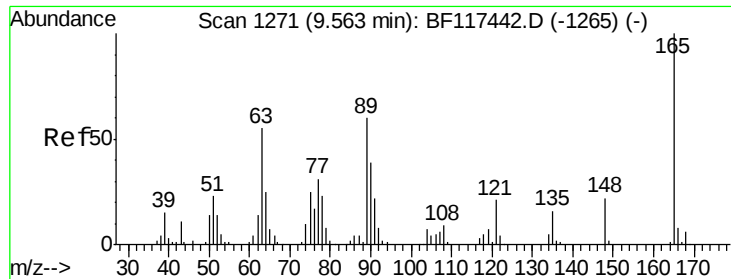


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

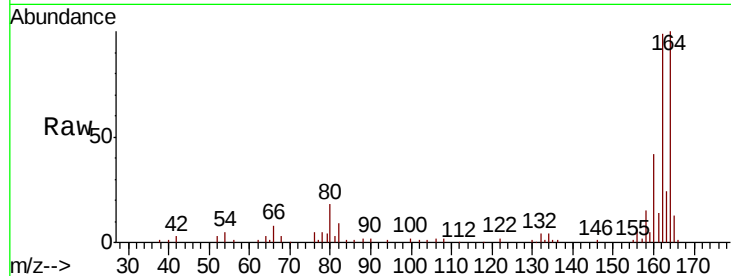




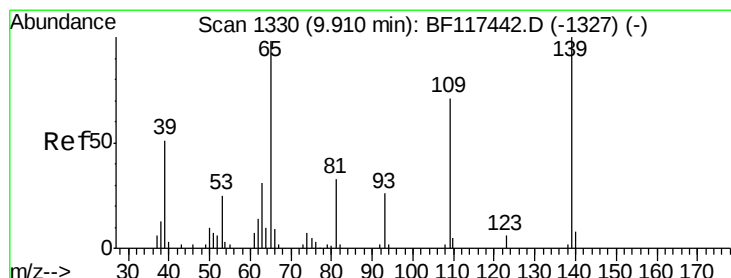
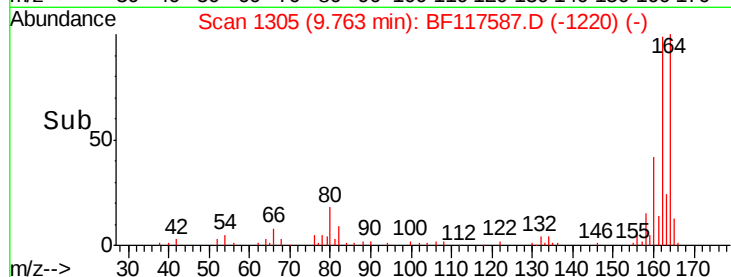
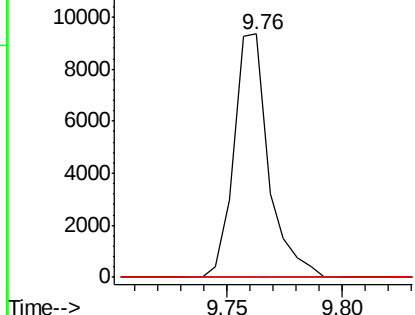
#51
 2,6-Dinitrotoluene
 Concen: 8.794 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. 0.20 min
 Lab File: BF117587.D
 Acq: 29 Oct 2019 13:37

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#

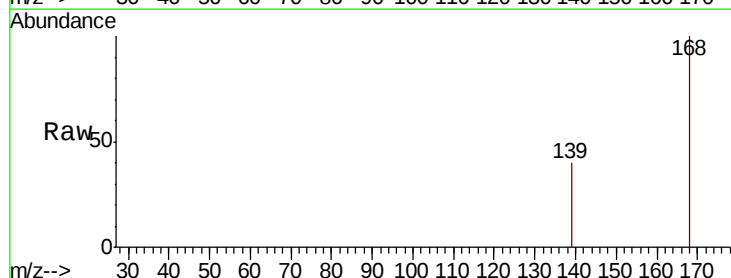


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

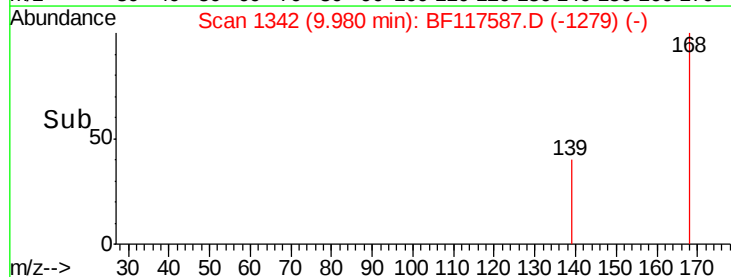
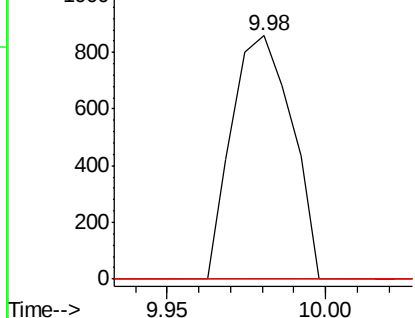


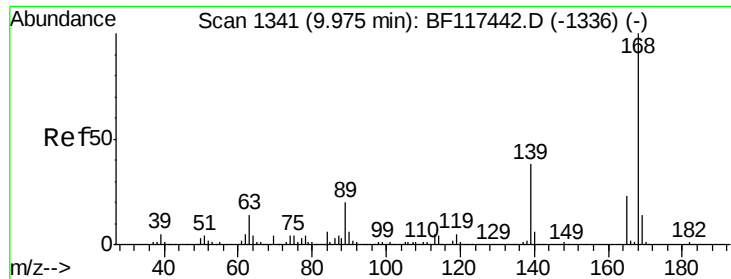
#56
 4-Nitrophenol
 Concen: 5.847 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. 0.07 min
 Lab File: BF117587.D
 Acq: 29 Oct 2019 13:37

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

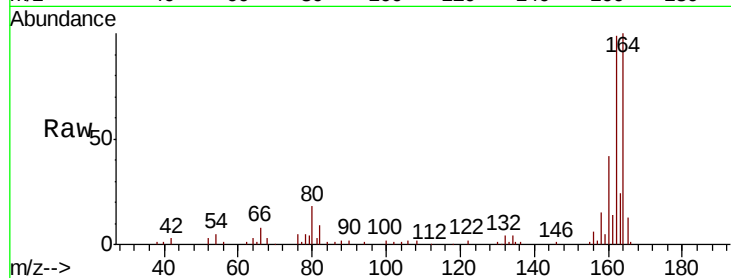




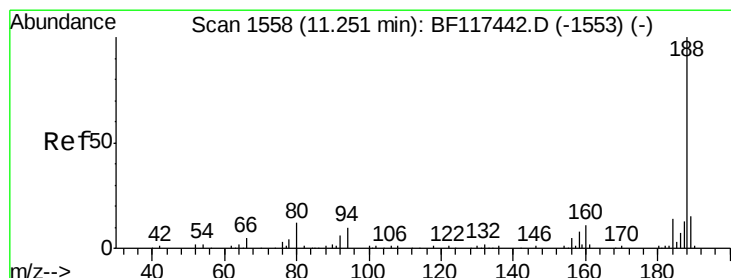
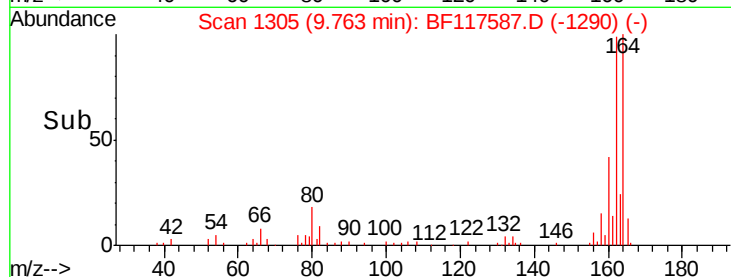
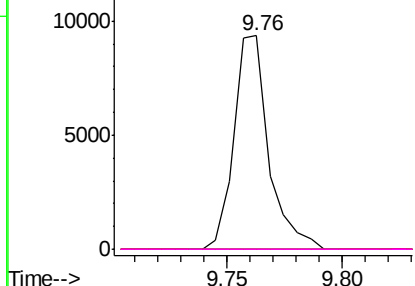
#57
 2,4-Dinitrotoluene
 Concen: 6.615 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.21 min
 Lab File: BF117587.D
 Acq: 29 Oct 2019 13:37

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 9830
 Ion Ratio Lower Upper
 165 100
 63 0.0 51.4 77.0#
 89 0.0 69.9 104.9#
 182 0.0 1.9 2.9#

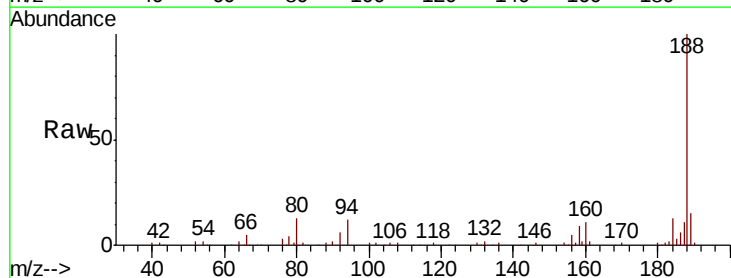


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

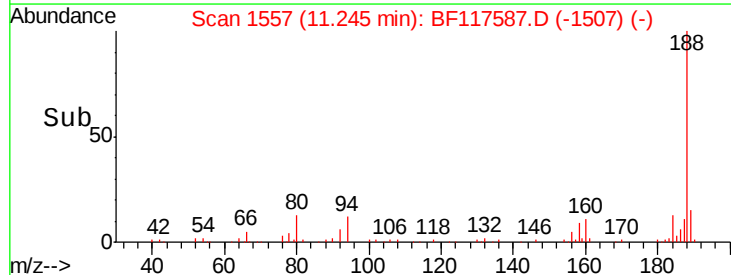
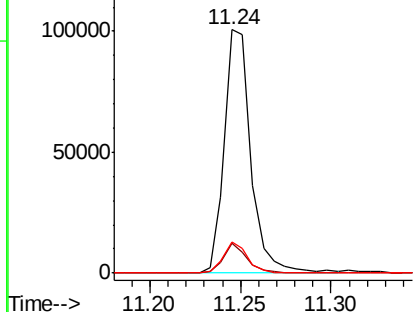


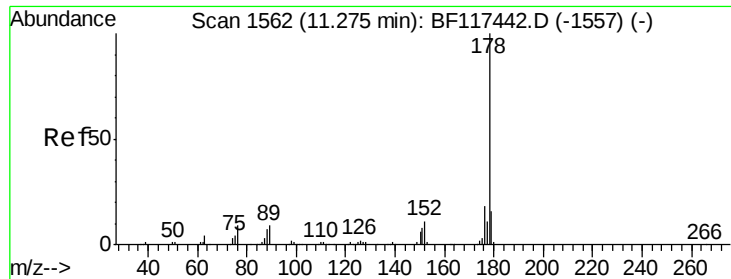
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: BF117587.D
 Acq: 29 Oct 2019 13:37

Tgt Ion:188 Resp: 103412
 Ion Ratio Lower Upper
 188 100
 94 12.2 8.0 12.0#
 80 12.6 9.5 14.3



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

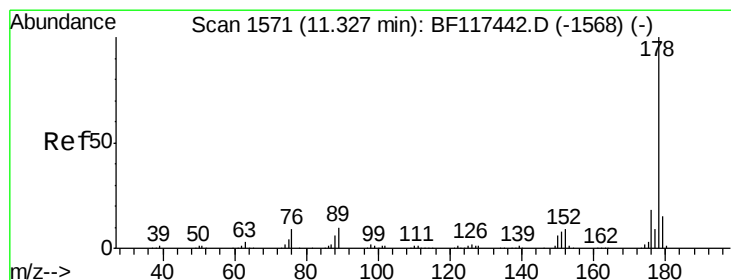
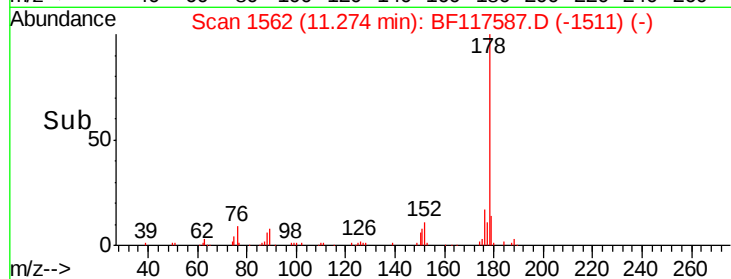
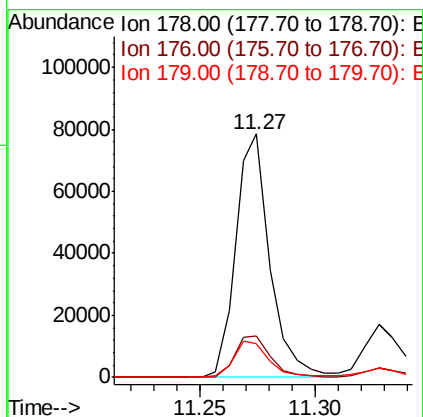
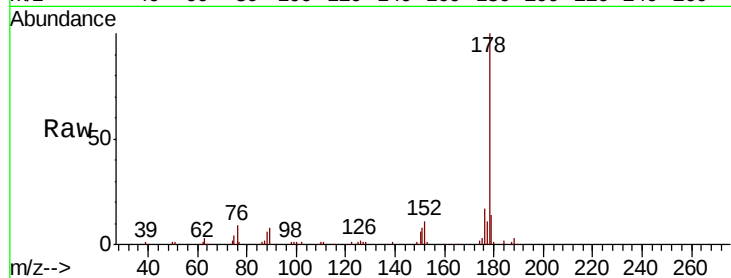




#71
Phenanthrene
Concen: 13.473 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BF117587.D
Acq: 29 Oct 2019 13:37

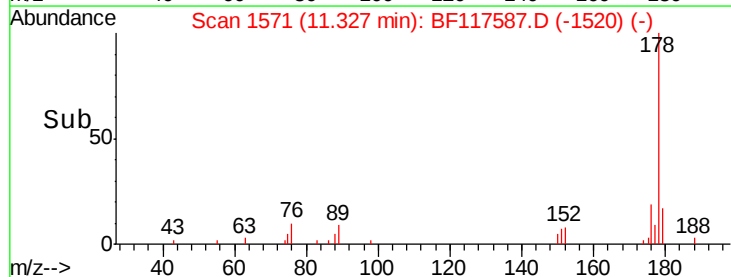
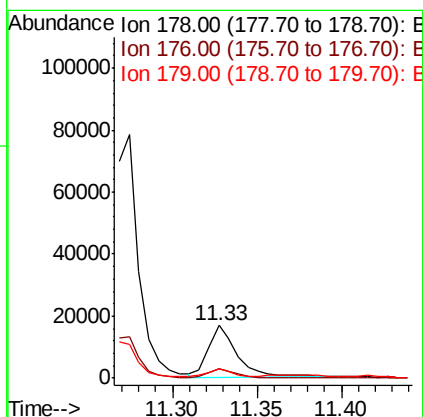
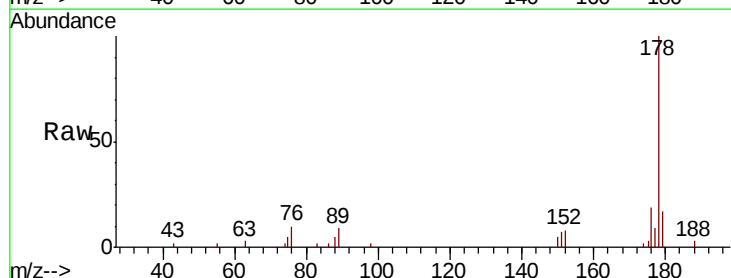
Instrument :
BNA_F
ClientSampled :

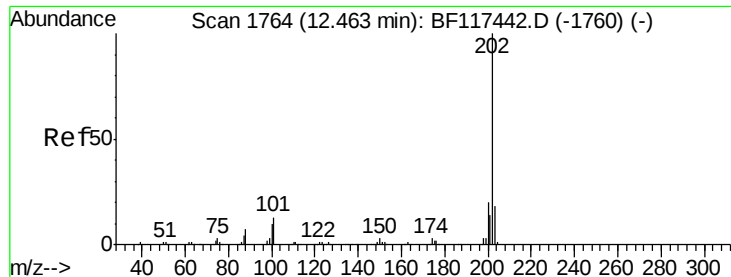
Tot Ion:178 Resp: 80903
Ion Ratio Lower Upper
178 100
176 17.0 14.6 22.0
179 14.0 12.6 19.0



#72
Anthracene
Concen: 3.306 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.00 min
Lab File: BF117587.D
Acq: 29 Oct 2019 13:37

Tgt Ion:178 Resp: 20369
Ion Ratio Lower Upper
178 100
176 18.6 14.7 22.1
179 16.6 12.2 18.2

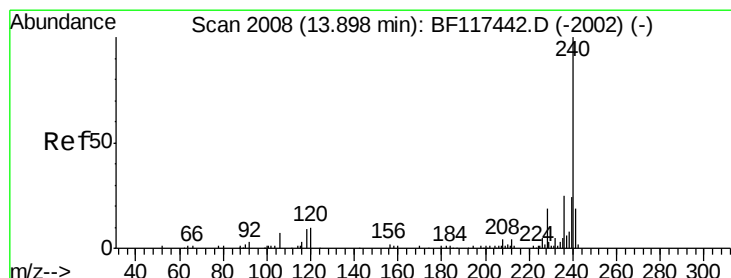
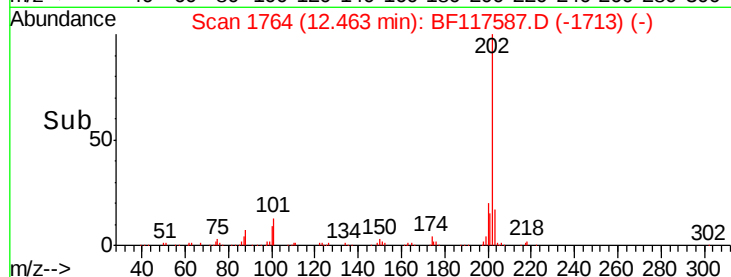
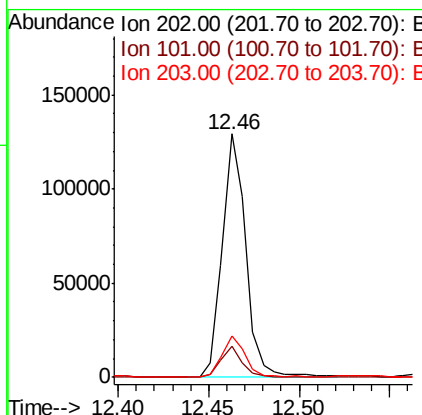
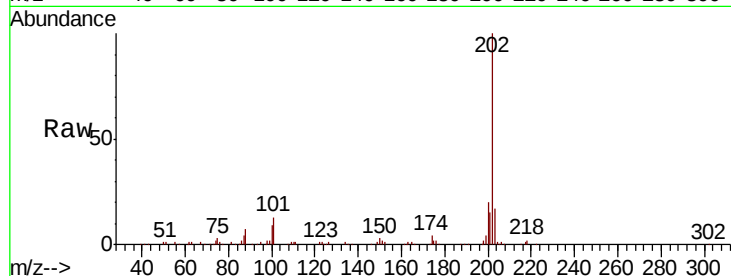




#75
 Fluoranthene
 Concen: 19.562 ng
 RT: 12.46 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: BF117587.D
 Acq: 29 Oct 2019 13:37

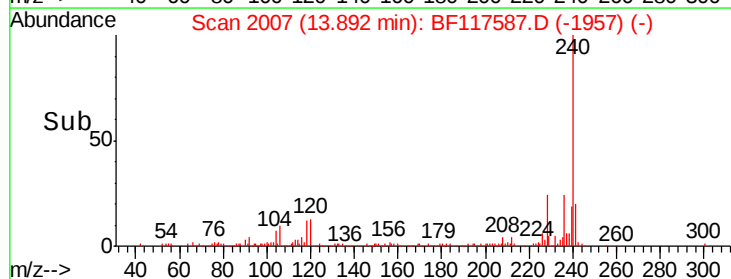
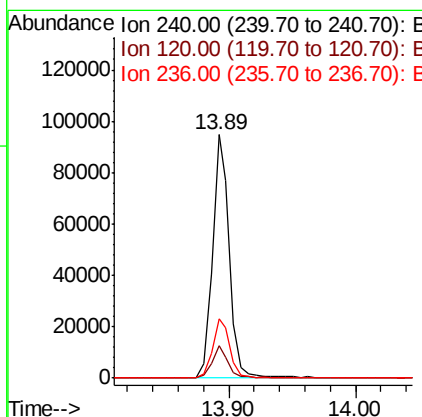
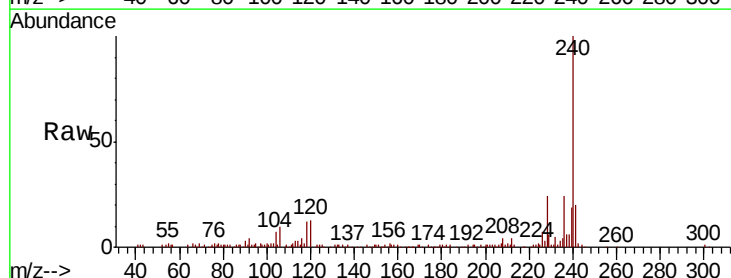
Instrument :
 BNA_F
 ClientSampleId :

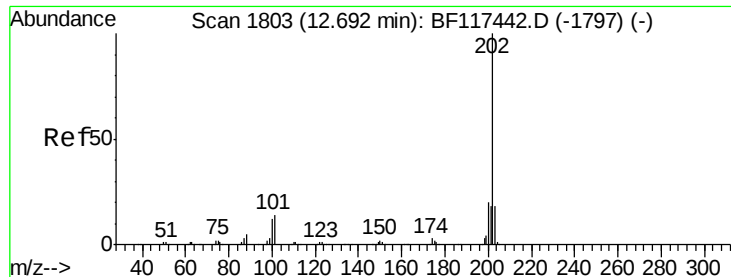
Tot Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	32.7
203	17.2	0.0	37.6



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.89 min Scan# 2007
 Delta R.T. -0.01 min
 Lab File: BF117587.D
 Acq: 29 Oct 2019 13:37

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.3	8.4	12.6#
236	24.3	20.0	30.0





#78

Pvrene

Concen: 15.786 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.00 min

Lab File: BF117587.D

Acq: 29 Oct 2019 13:37

Instrument :

BNA_F

ClientSampleId :

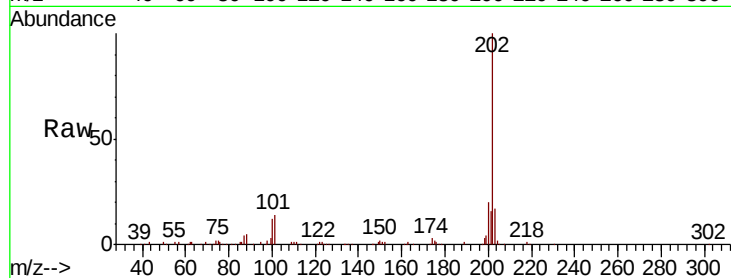
Tot Ion:202 Resp: 119951

Ion Ratio Lower Upper

202 100

200 19.9 16.2 24.2

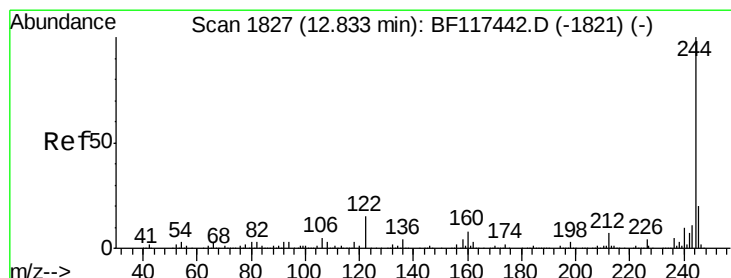
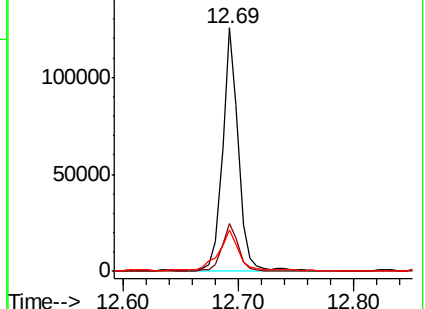
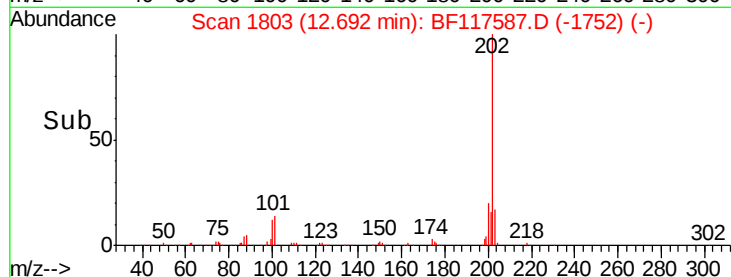
203 16.9 14.0 21.0



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: 27.047 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF117587.D

Acq: 29 Oct 2019 13:37

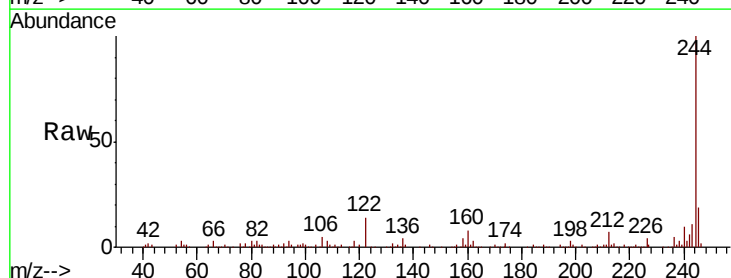
Tgt Ion:244 Resp: 146691

Ion Ratio Lower Upper

244 100

212 6.9 5.8 8.6

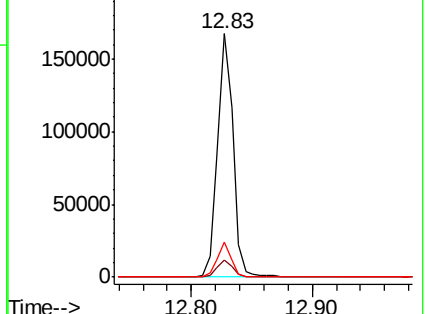
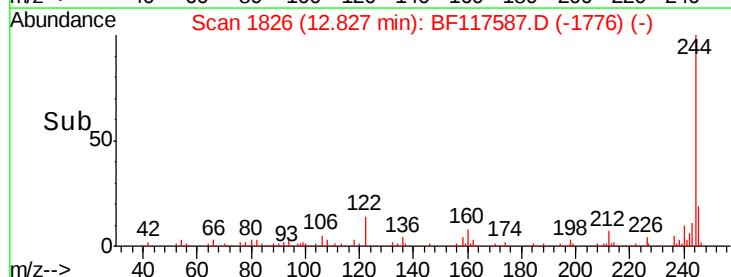
122 14.1 11.8 17.8

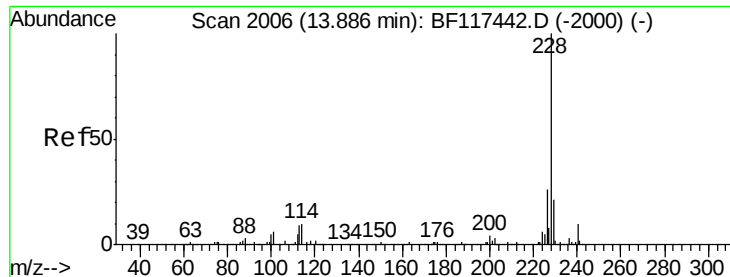


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 9.907 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.00 min

Lab File: BF117587.D

Acq: 29 Oct 2019 13:37

Instrument :

BNA_F

ClientSampleId :

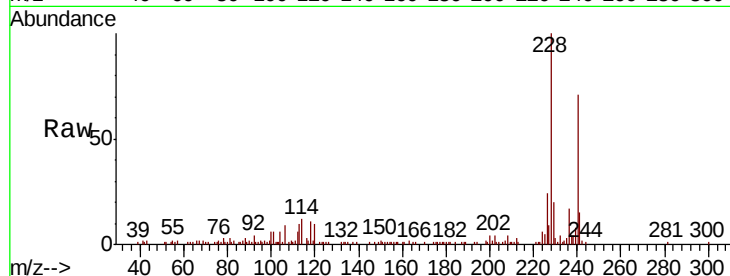
Tot Ion:228 Resp: 59118

Ion Ratio Lower Upper

228 100

226 24.2 21.0 31.4

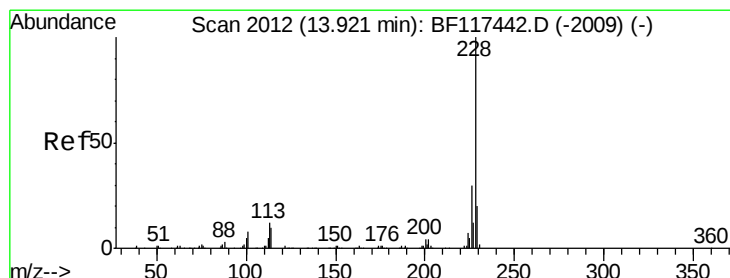
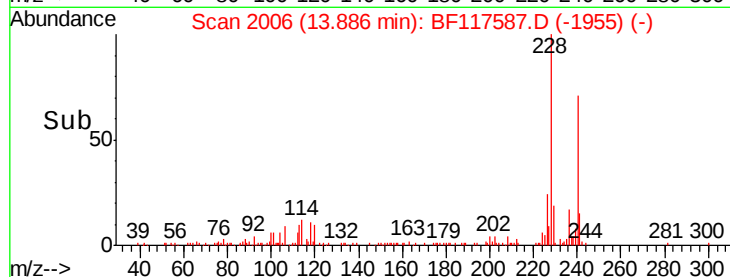
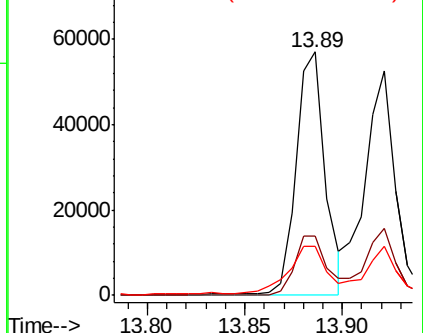
229 20.0 16.4 24.6



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: 9.961 ng

RT: 13.92 min Scan# 2012

Delta R.T. -0.00 min

Lab File: BF117587.D

Acq: 29 Oct 2019 13:37

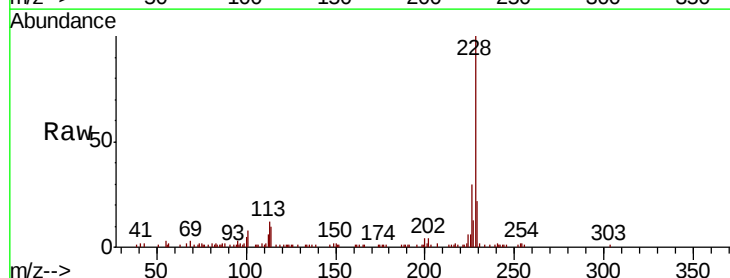
Tgt Ion:228 Resp: 58254

Ion Ratio Lower Upper

228 100

226 30.2 23.9 35.9

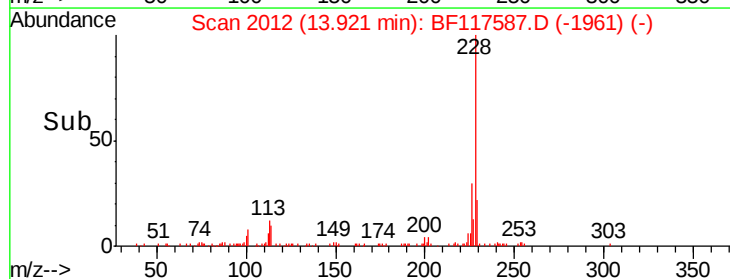
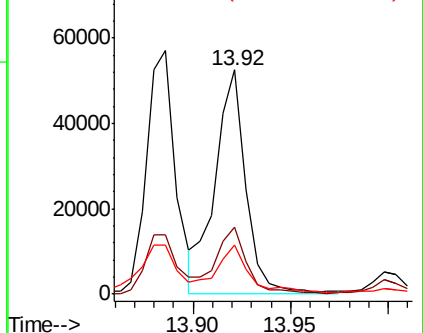
229 21.9 15.8 23.6

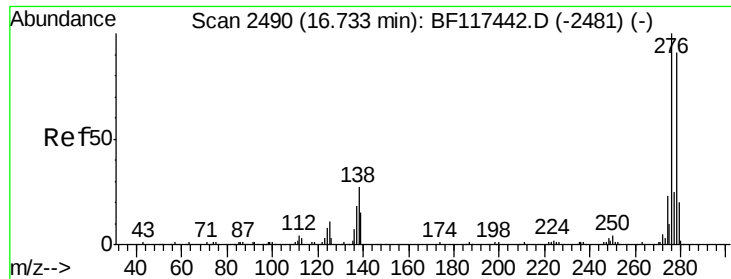


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

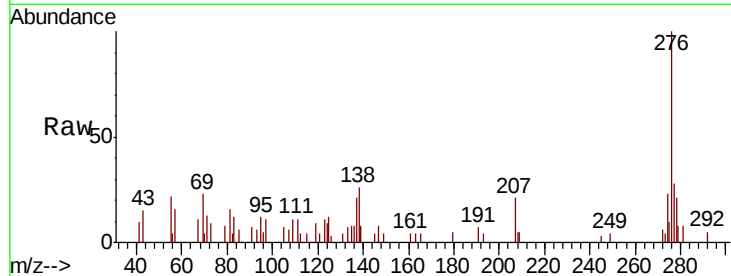




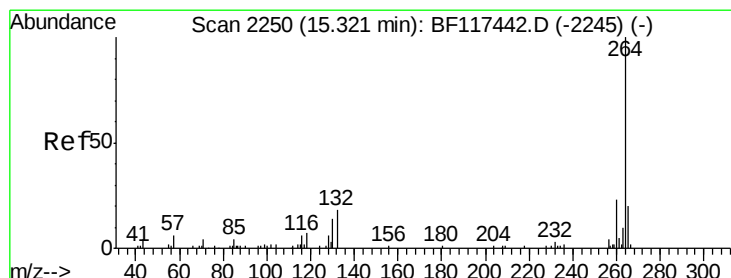
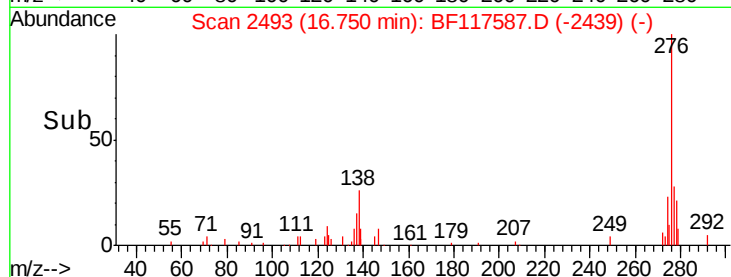
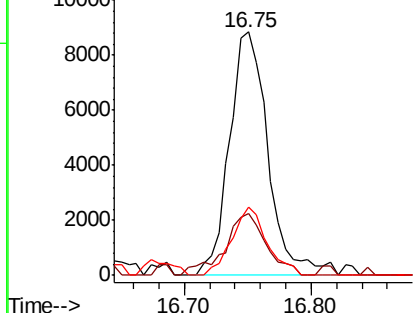
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 4.289 ng
 RT: 16.75 min Scan# 2493
 Delta R.T. 0.02 min
 Lab File: BF117587.D
 Acq: 29 Oct 2019 13:37

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.2	21.8	32.8
277	25.3	20.0	30.0

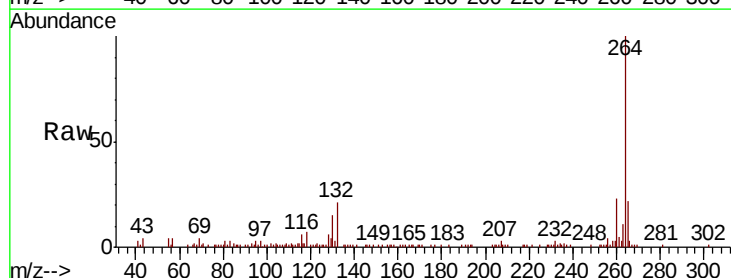


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

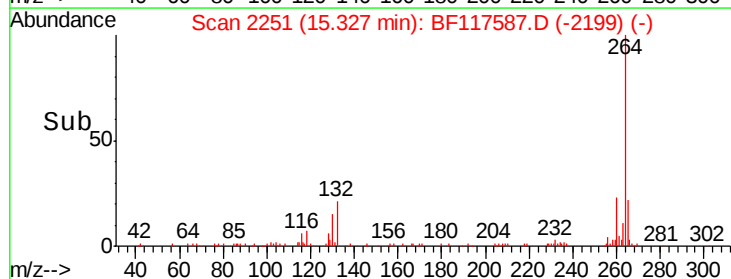
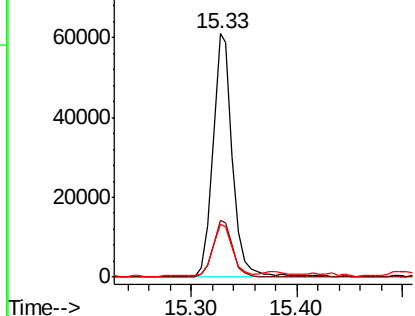


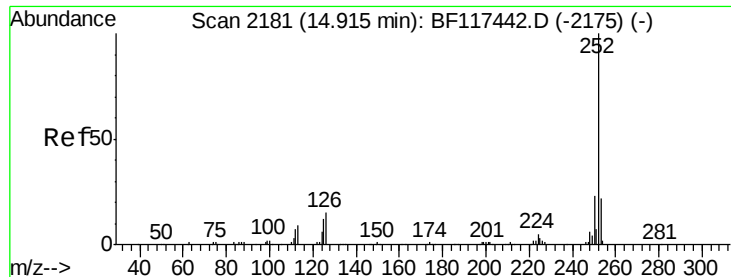
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.33 min Scan# 2251
 Delta R.T. 0.01 min
 Lab File: BF117587.D
 Acq: 29 Oct 2019 13:37

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.4	27.6
265	21.5	16.1	24.1



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

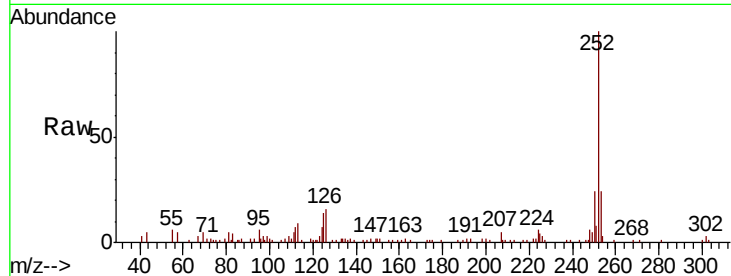




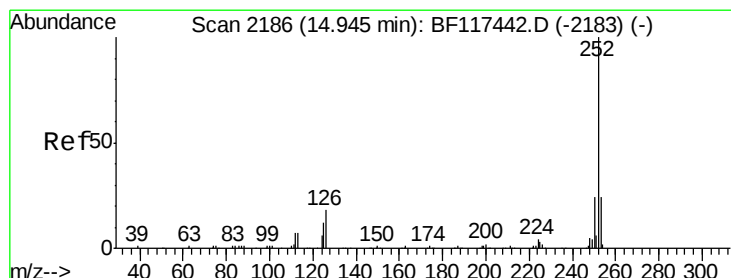
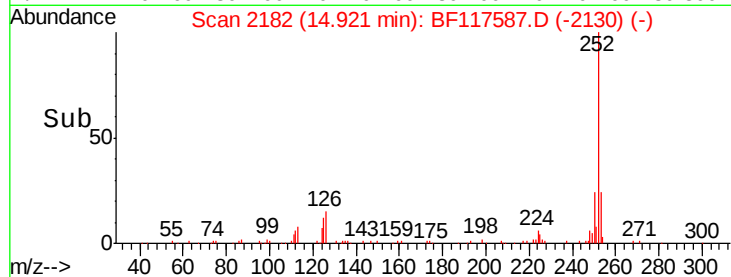
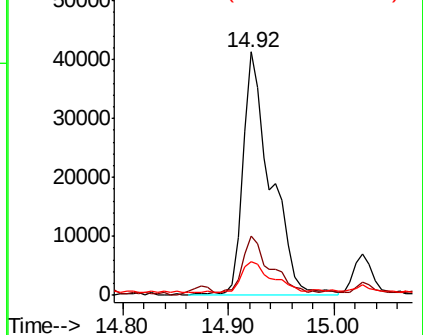
#88
Benzo(b)fluoranthene
Concen: 15.889 ng
RT: 14.92 min Scan# 2182
Delta R.T. 0.01 min
Lab File: BF117587.D
Acq: 29 Oct 2019 13:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 74968
Ion Ratio Lower Upper
252 100
253 24.1 17.8 26.6
125 13.7 9.9 14.9

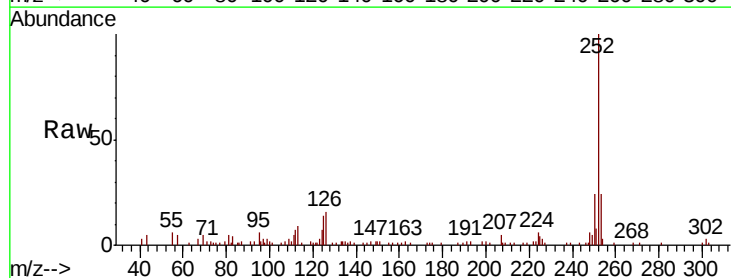


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

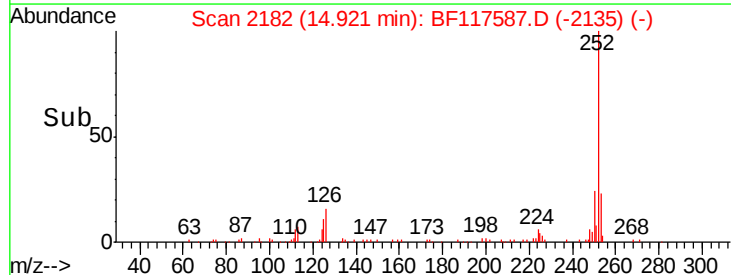
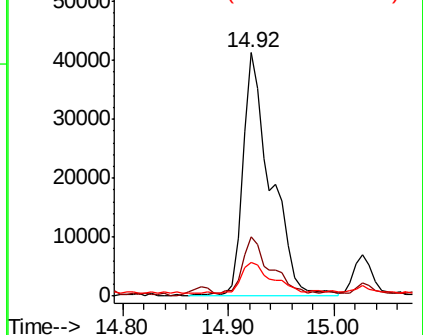


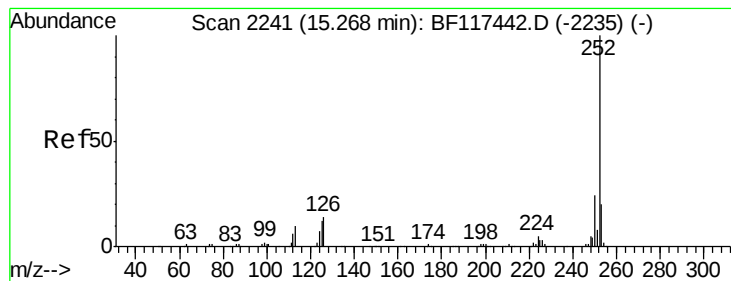
#89
Benzo(k)fluoranthene
Concen: 15.503 ng
RT: 14.92 min Scan# 2182
Delta R.T. -0.02 min
Lab File: BF117587.D
Acq: 29 Oct 2019 13:37

Tgt Ion:252 Resp: 74968
Ion Ratio Lower Upper
252 100
253 24.1 18.0 27.0
125 13.7 8.9 13.3#



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





#90

Benzo(a)pyrene

Concen: 9.159 ng

RT: 15.27 min Scan# 2242

Delta R.T. 0.01 min

Lab File: BF117587.D

Acq: 29 Oct 2019 13:37

Instrument :

BNA_F

ClientSampleId :

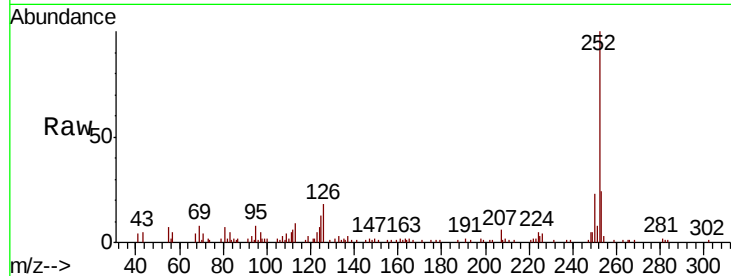
Tot Ion:252 Resp: 39291

Ion Ratio Lower Upper

252 100

253 23.8 16.3 24.5

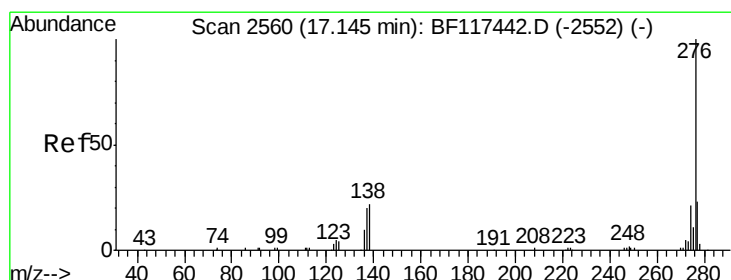
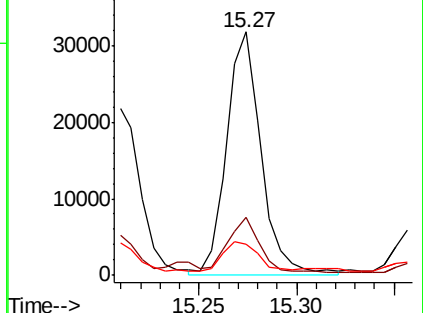
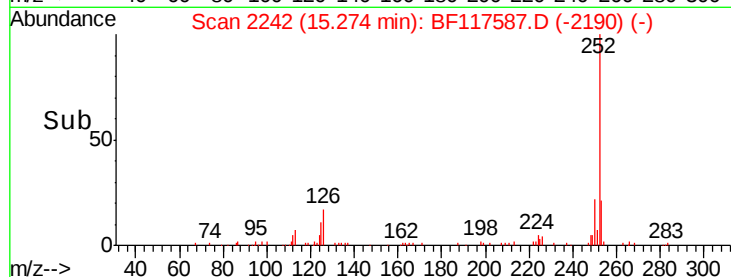
125 12.9 9.2 13.8



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92

Benzo(g,h,i)perylene

Concen: 4.580 ng

RT: 17.18 min Scan# 2566

Delta R.T. 0.04 min

Lab File: BF117587.D

Acq: 29 Oct 2019 13:37

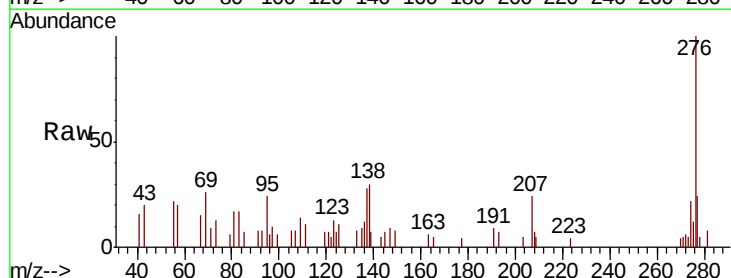
Tgt Ion:276 Resp: 16073

Ion Ratio Lower Upper

276 100

277 23.5 18.4 27.6

138 29.7 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

