

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
 Data File : BF117591.D
 Acq On : 29 Oct 2019 15:24
 Operator : JU
 Sample : K5153-05RE
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 29 15:58:28 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	43759	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	164416	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	68552	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	96236	20.00	ng	0.00
76) Chrysene-d12	13.89	240	85258	20.00	ng	0.00
87) Perylene-d12	15.33	264	66527	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.36	112	152193	51.74	ng	0.00
7) Phenol-d6	6.38	99	207791	52.60	ng	0.00
23) Nitrobenzene-d5	7.29	82	123919	37.21	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	25926	43.71	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	177056	36.39	ng	-0.01
79) Terphenyl-d14	12.83	244	139400	26.67	ng	0.00

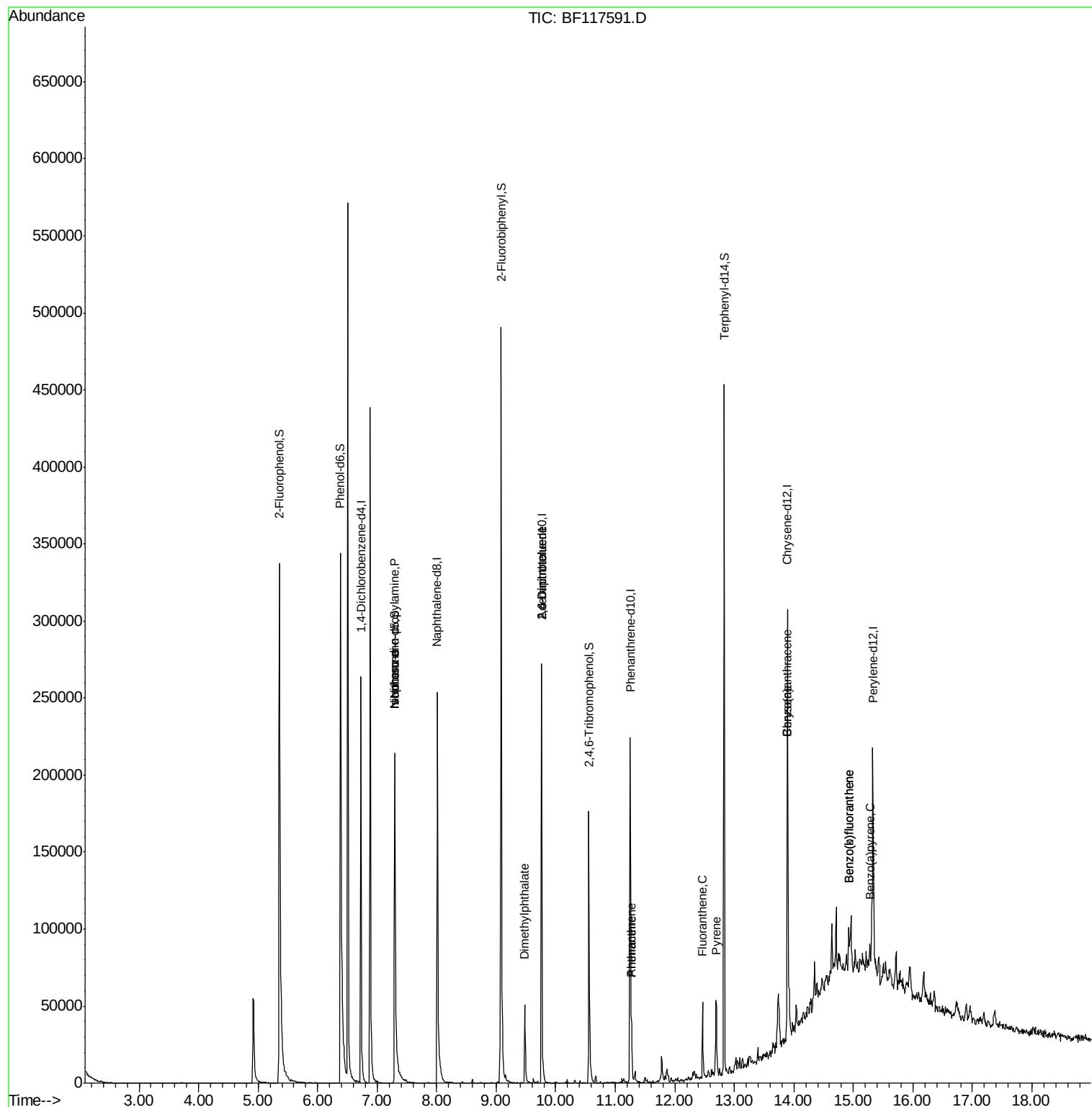
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.50	77	3750	Below Cal	#	79
19) n-Nitroso-di-n-propylamine	7.29	70	16134	6.687 ng	#	77
25) Isophorone	7.29	82	123918	21.508 ng	#	65
50) Dimethylphthalate	9.48	163	26099	5.340 ng		98
51) 2,6-Dinitrotoluene	9.76	165	8699	8.530 ng	#	22
57) 2,4-Dinitrotoluene	9.76	165	8699	6.416 ng	#	12
71) Phenanthrene	11.27	178	14647	2.621 ng		95
72) Anthracene	11.27	178	14647	2.555 ng		94
75) Fluoranthene	12.47	202	23373	4.178 ng		99
77) Benzidine	12.83	184	2039	Below Cal	#	75
78) Pyrene	12.69	202	23588	3.221 ng		96
81) Benzo(a)anthracene	13.88	228	11598	2.017 ng		100
83) Chrysene	13.88	228	11598	2.058 ng		95
88) Benzo(b)fluoranthene	14.92	252	15321	3.900 ng	#	91
89) Benzo(k)fluoranthene	14.92	252	15321	3.805 ng	#	90
90) Benzo(a)pyrene	15.27	252	7679	2.150 ng	#	79

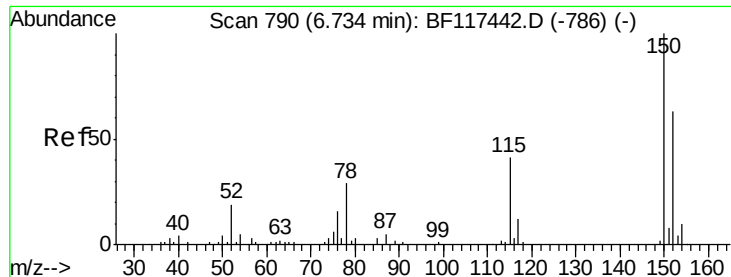
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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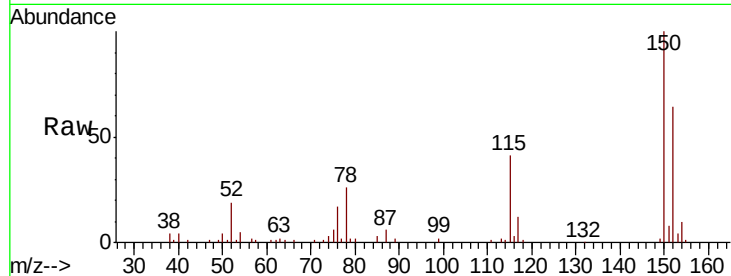


#1

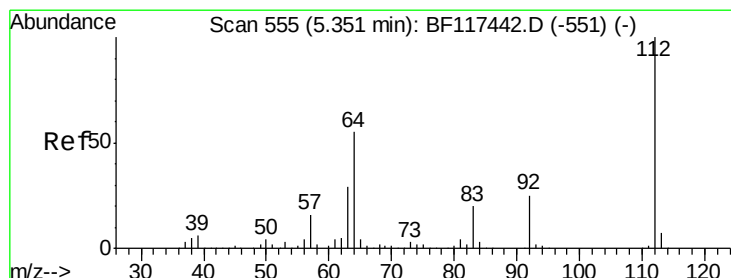
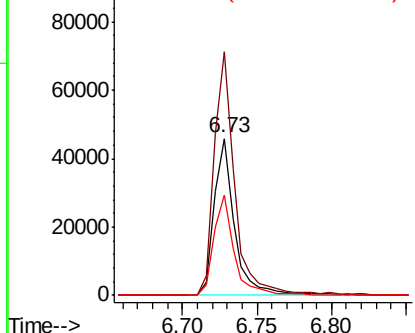
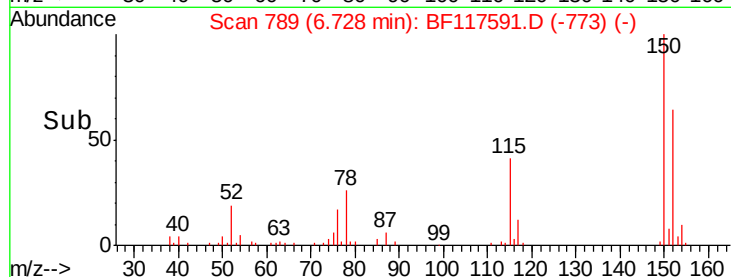
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117591.D
Acq: 29 Oct 2019 15:24

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 43759
Ion Ratio Lower Upper
152 100
150 155.2 126.8 190.2
115 64.0 51.6 77.4



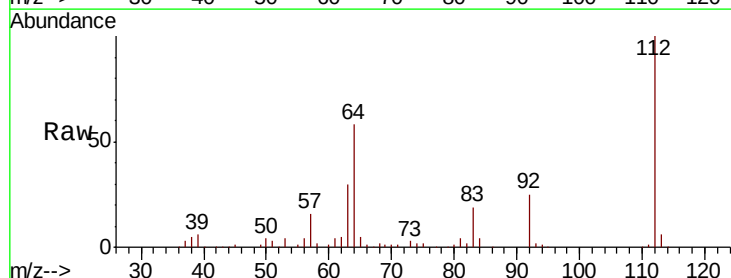
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



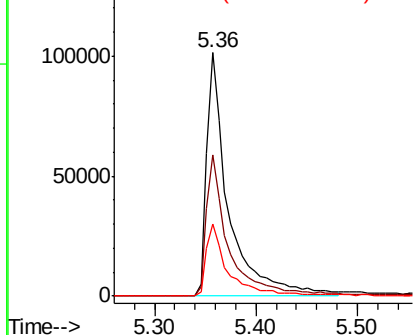
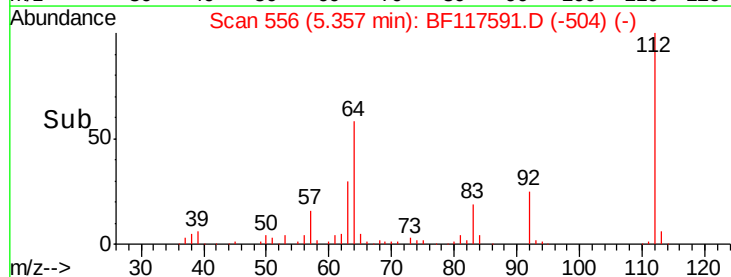
#5

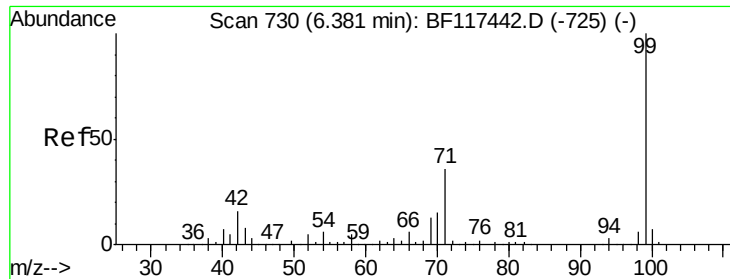
2-Fluorophenol
Concen: 51.742 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF117591.D
Acq: 29 Oct 2019 15:24

Tgt Ion:112 Resp: 152193
Ion Ratio Lower Upper
112 100
64 57.8 44.1 66.1
63 29.5 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: 52.597 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF117591.D

Acq: 29 Oct 2019 15:24

Instrument :

BNA_E

ClientSampleId :

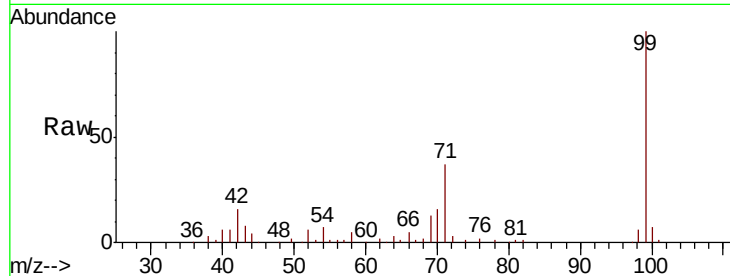
Tot Ion: 99 Resp: 207791

Ion Ratio Lower Upper

99 100

42 16.3 12.8 19.2

71 37.0 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

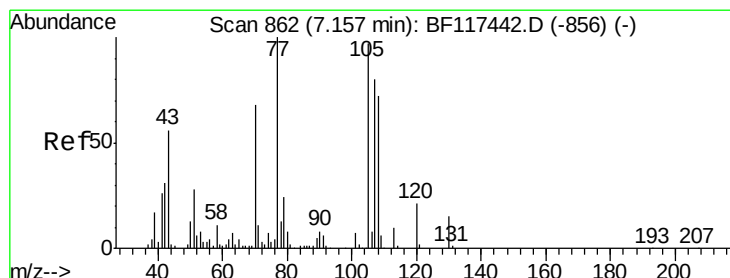
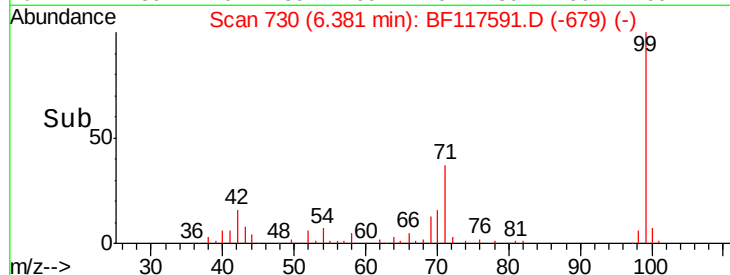
150000

100000

50000

0

Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 6.687 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.14 min

Lab File: BF117591.D

Acq: 29 Oct 2019 15:24

Tgt Ion: 70 Resp: 16134

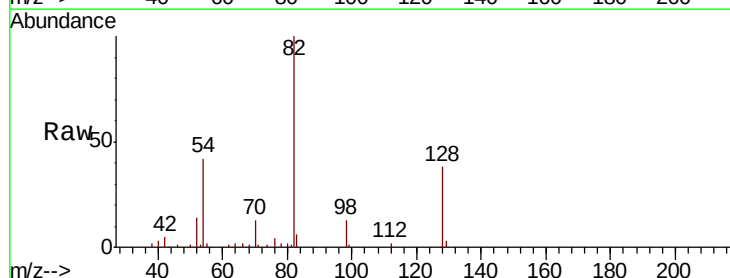
Ion Ratio Lower Upper

70 100

42 39.1 36.7 55.1

101 0.0 8.3 12.5#

130 0.0 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

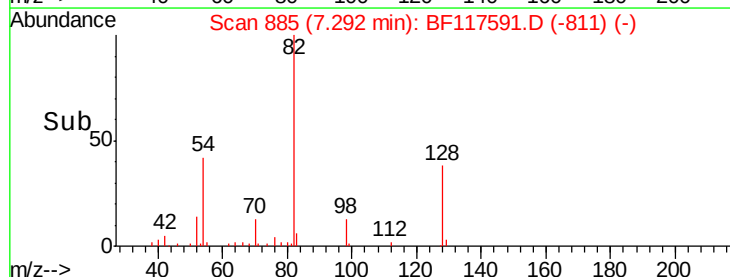
15000

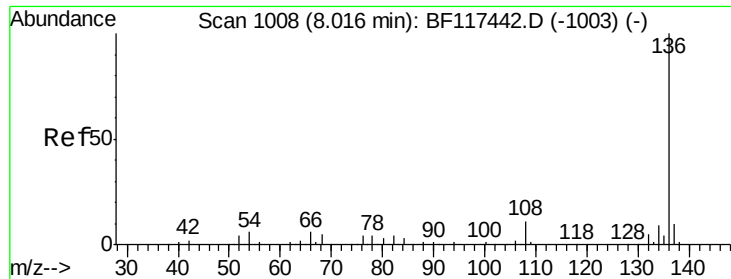
10000

5000

0

Time-->

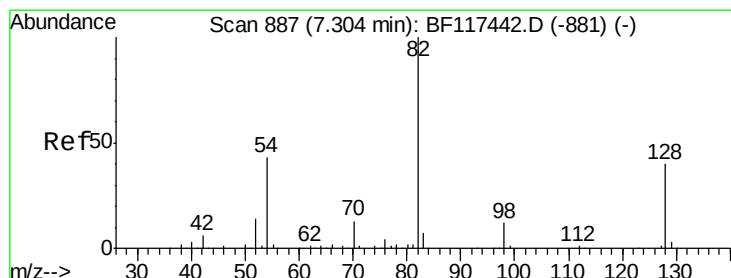
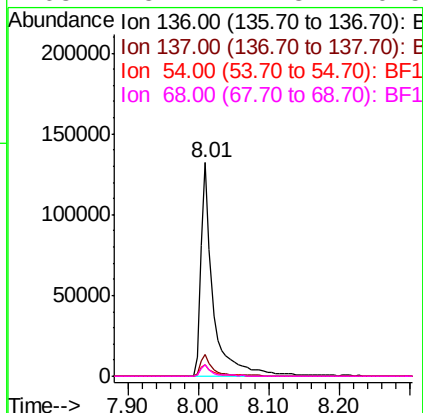
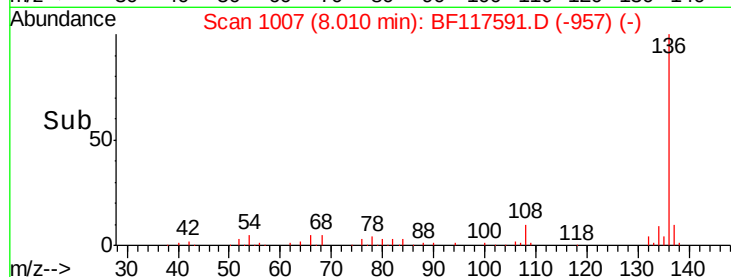
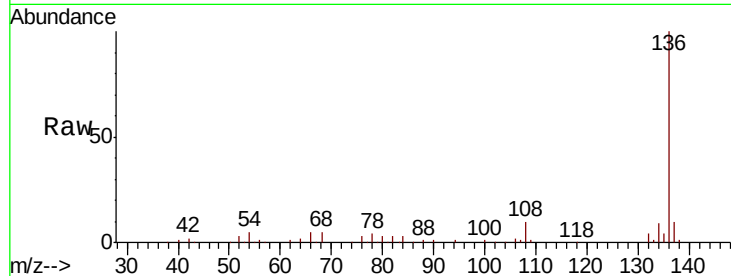




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117591.D
Acq: 29 Oct 2019 15:24

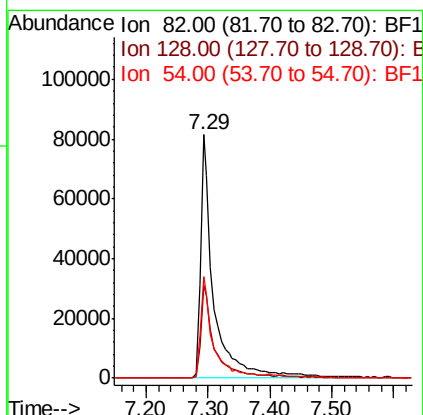
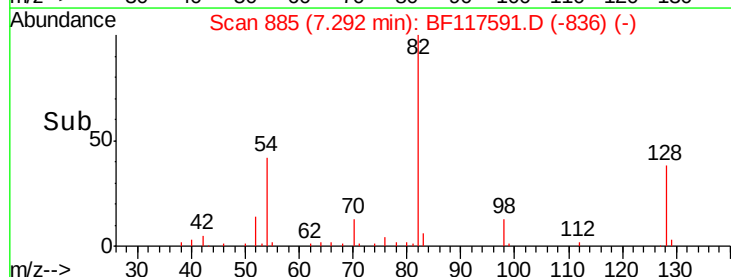
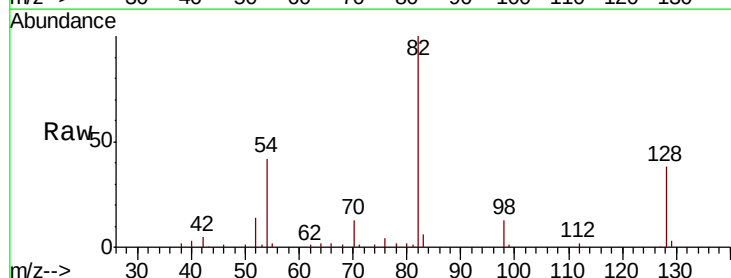
Instrument :
BNA_E
ClientSampleId :

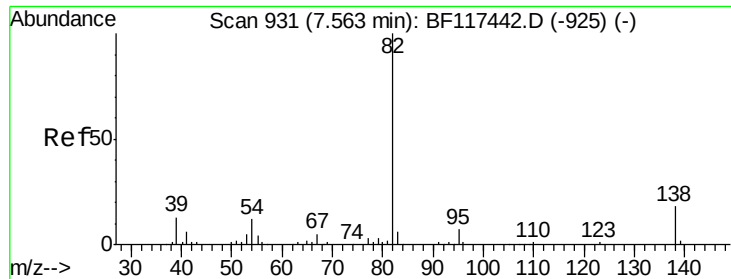
Tot Ion:136	Resp:	164416
Ion	Ratio	Lower Upper
136	100	
137	10.3	8.2 12.4
54	5.5	4.5 6.7
68	5.2	4.3 6.5



#23
Nitrobenzene-d5
Concen: 37.208 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF117591.D
Acq: 29 Oct 2019 15:24

Tgt Ion: 82	Resp:	123919
Ion	Ratio	Lower Upper
82	100	
128	38.1	32.2 48.2
54	41.6	34.2 51.2





#25

Isophorone

Concen: 21.508 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.27 min

Lab File: BF117591.D

Acq: 29 Oct 2019 15:24

Instrument :

BNA_E

ClientSampled :

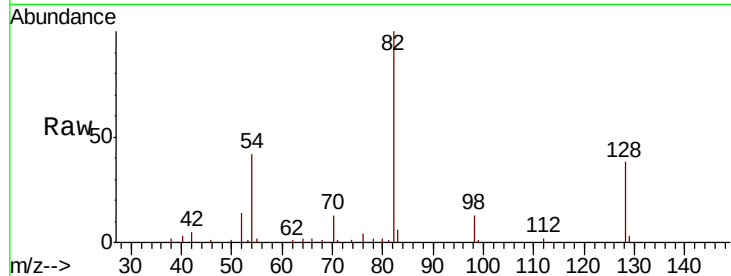
Tot Ion: 82 Resp: 123918

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

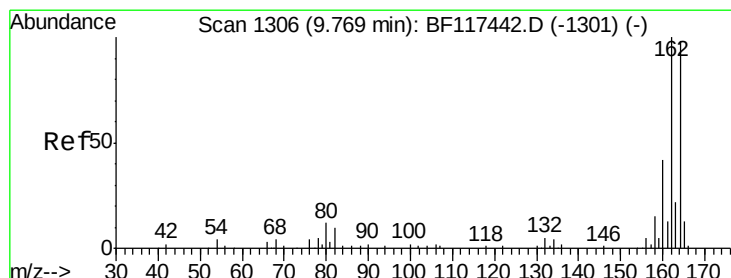
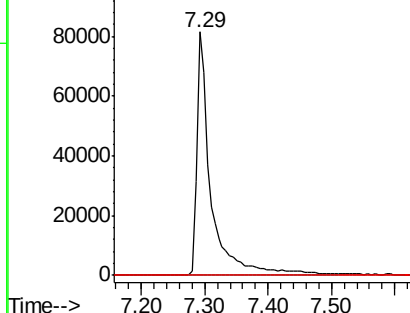
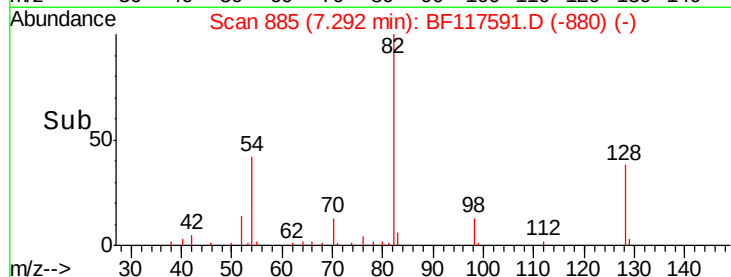
138 0.0 14.2 21.2#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BF117591.D

Acq: 29 Oct 2019 15:24

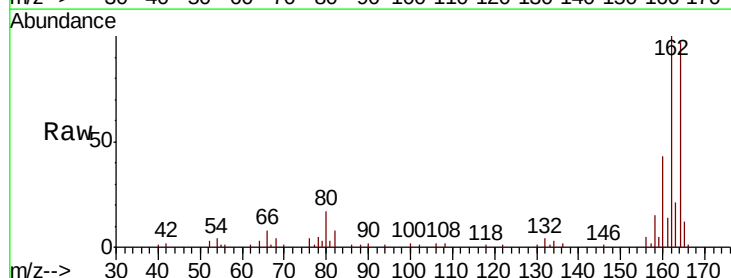
Tgt Ion: 164 Resp: 68552

Ion Ratio Lower Upper

164 100

162 102.6 81.8 122.6

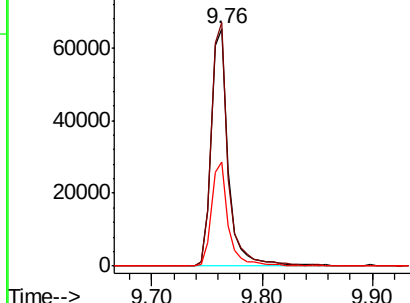
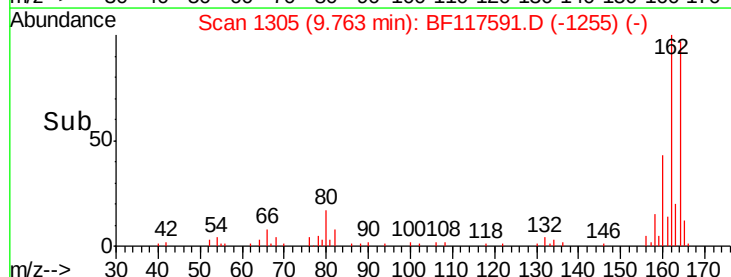
160 43.8 34.4 51.6

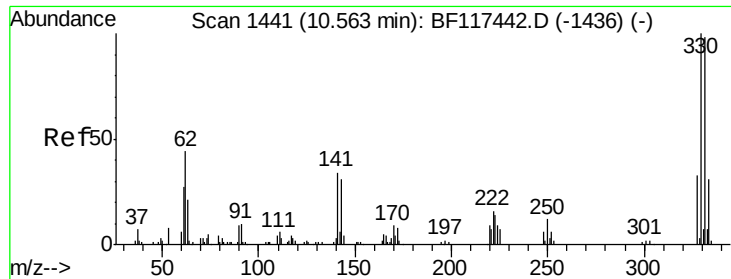


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 43.709 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.01 min

Lab File: BF117591.D

Acq: 29 Oct 2019 15:24

Instrument :

BNA_E

ClientSampled :

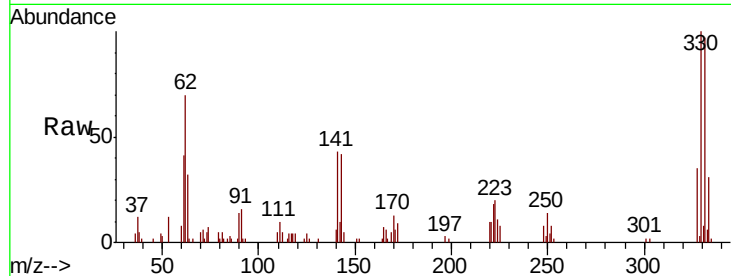
Tot Ion:330 Resp: 25926

Ion Ratio Lower Upper

330 100

332 92.6 78.5 117.7

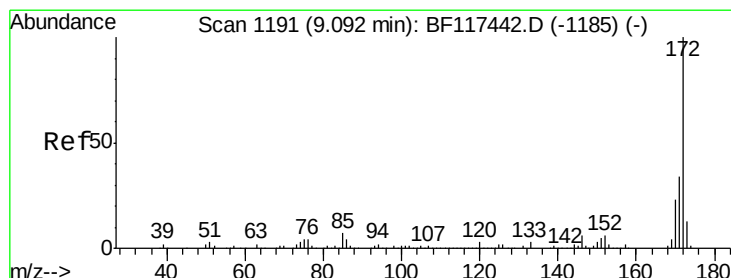
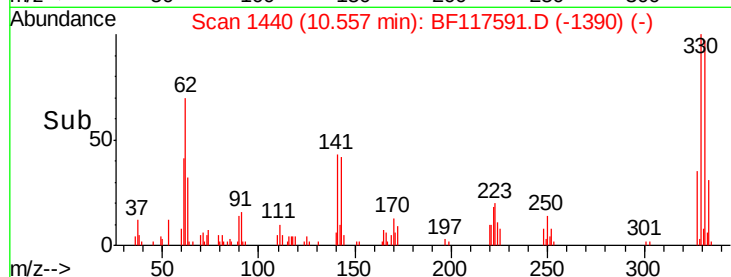
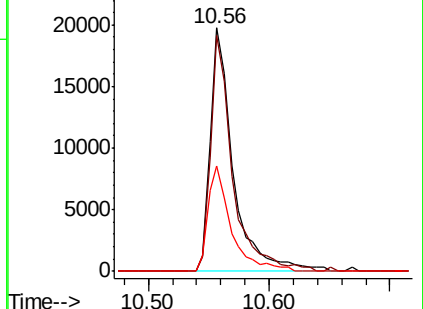
141 43.5 37.0 55.6



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: 36.391 ng

RT: 9.08 min Scan# 1189

Delta R.T. -0.01 min

Lab File: BF117591.D

Acq: 29 Oct 2019 15:24

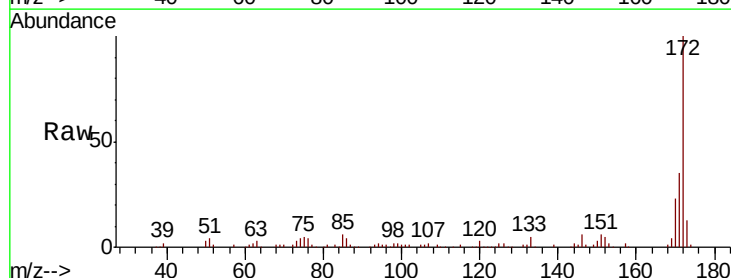
Tgt Ion:172 Resp: 177056

Ion Ratio Lower Upper

172 100

171 34.7 27.5 41.3

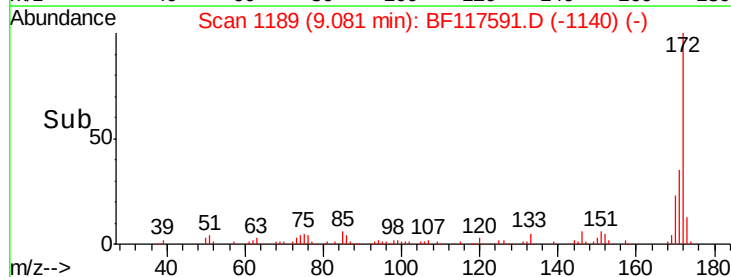
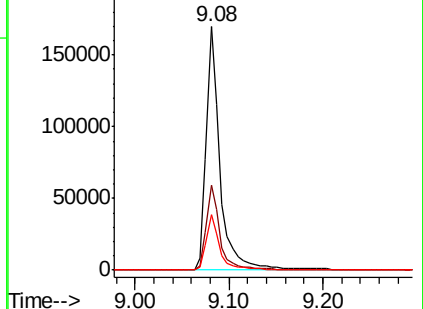
170 22.8 18.6 27.8

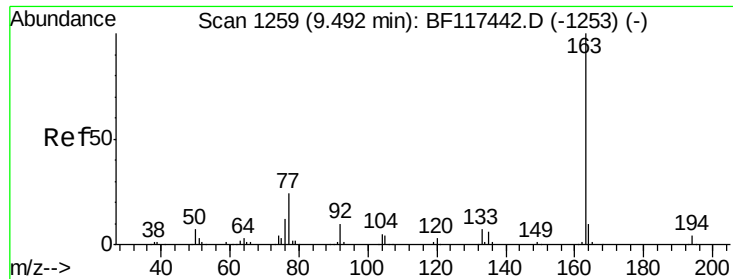


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

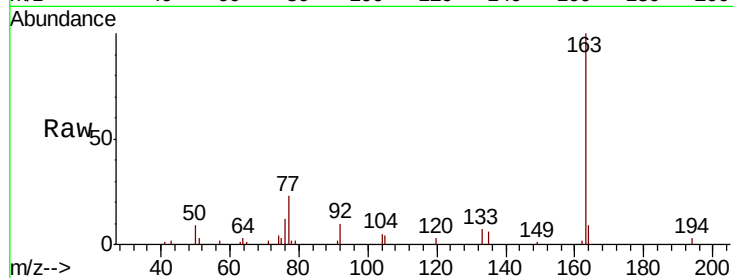




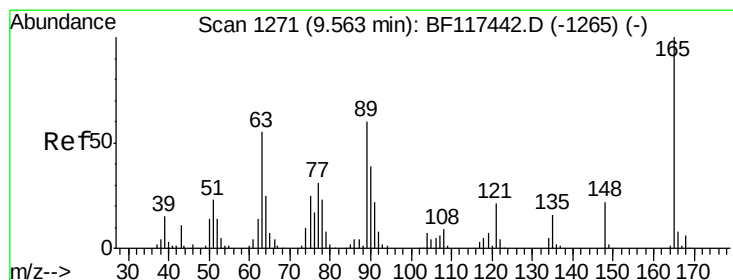
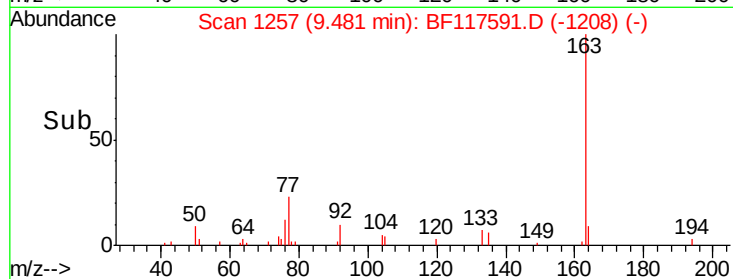
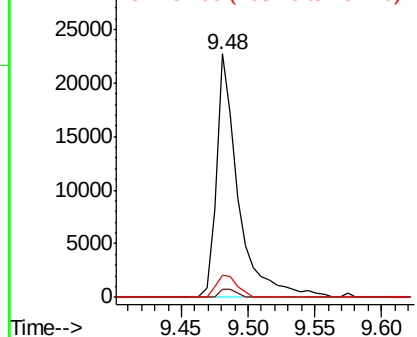
#50
Dimethylphthalate
Concen: 5.340 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117591.D
Acq: 29 Oct 2019 15:24

Instrument :
BNA_E
ClientSampleId :

Tot Ion:163 Resp: 26099
Ion Ratio Lower Upper
163 100
194 3.5 2.9 4.3
164 9.4 8.2 12.2

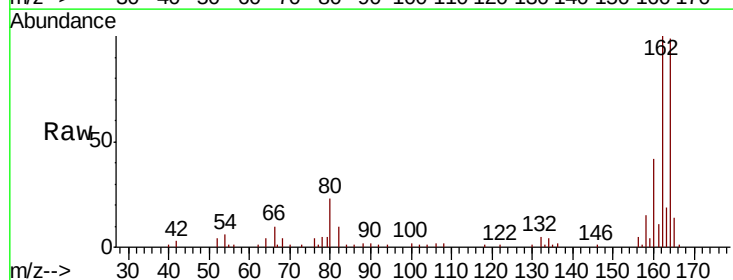


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

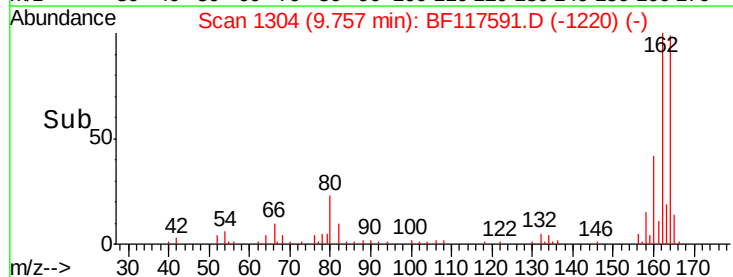
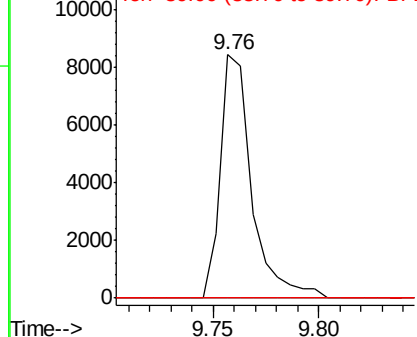


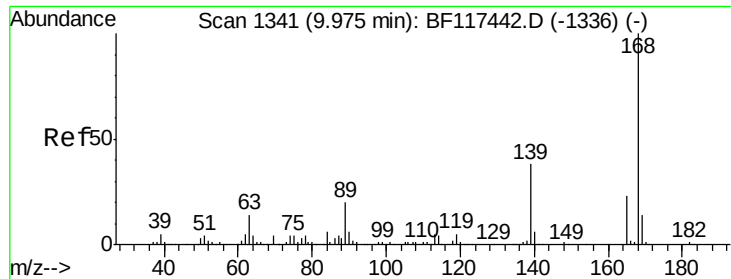
#51
2,6-Dinitrotoluene
Concen: 8.530 ng
RT: 9.76 min Scan# 1304
Delta R.T. 0.19 min
Lab File: BF117591.D
Acq: 29 Oct 2019 15:24

Tgt Ion:165 Resp: 8699
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: 6.416 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.22 min

Lab File: BF117591.D

Acq: 29 Oct 2019 15:24

Instrument :

BNA_E

ClientSampleId :

Tot Ion:165 Resp: 8699

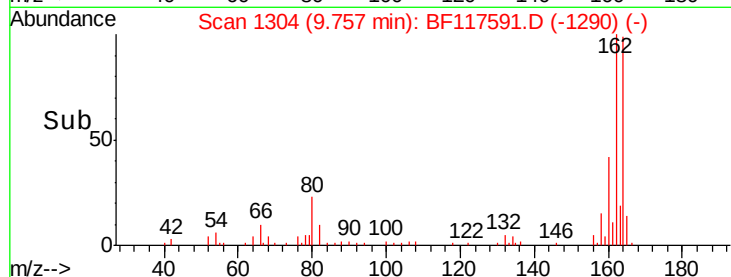
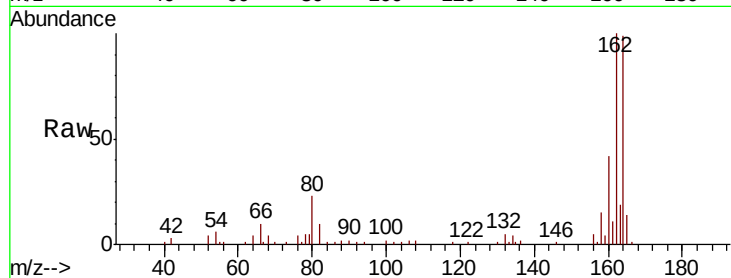
Ion Ratio Lower Upper

165 100

63 0.0 51.4 77.0#

89 0.0 69.9 104.9#

182 0.0 1.9 2.9#

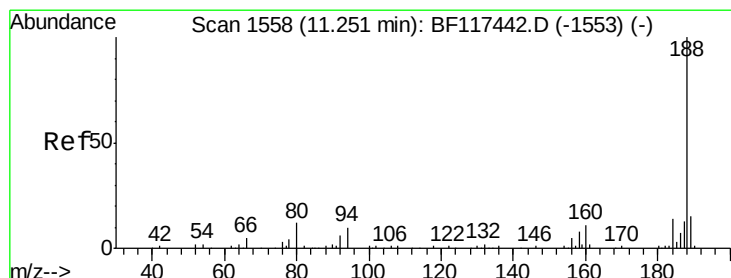
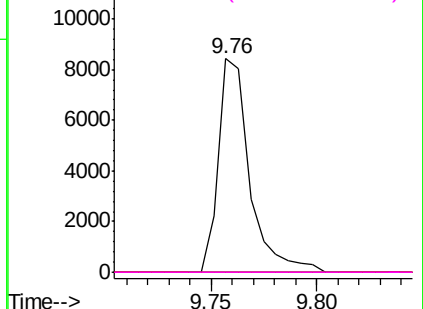


Abundance Ion 165.00 (164.70 to 165.70): E

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: BF117591.D

Acq: 29 Oct 2019 15:24

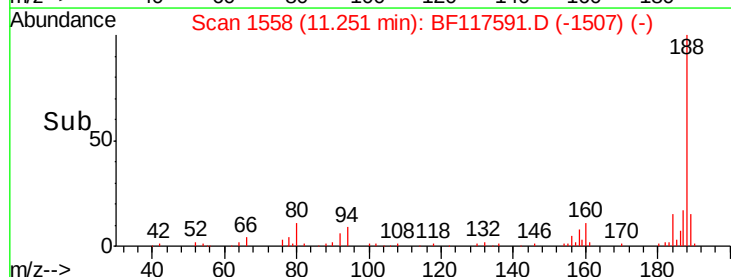
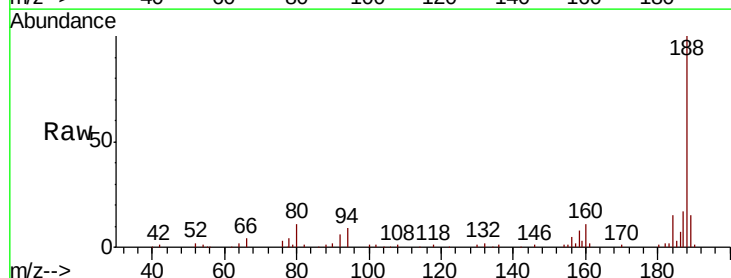
Tgt Ion:188 Resp: 96236

Ion Ratio Lower Upper

188 100

94 9.0 8.0 12.0

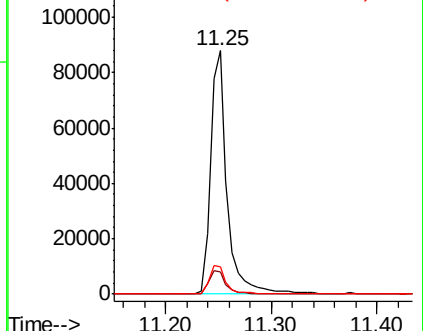
80 11.0 9.5 14.3

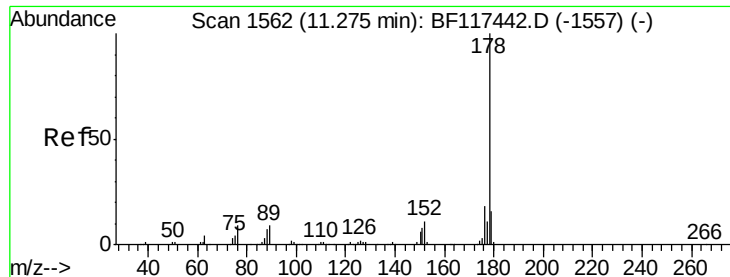


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

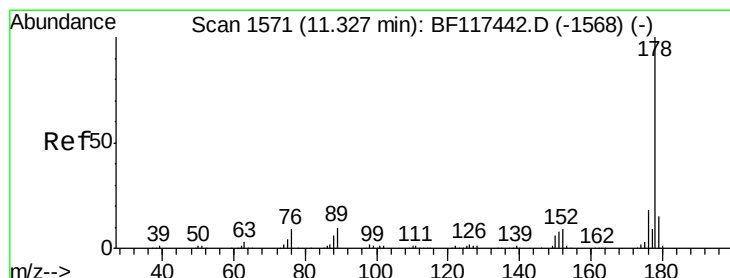
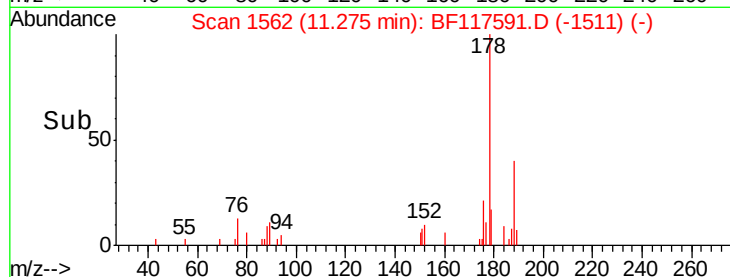
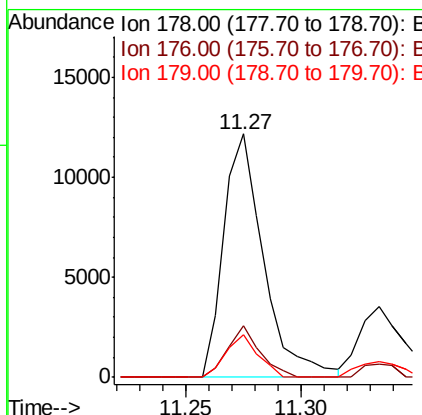
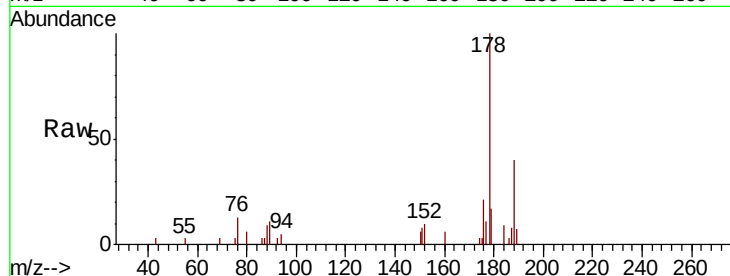




#71
Phenanthrene
Concen: 2.621 ng
RT: 11.27 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF117591.D
Acq: 29 Oct 2019 15:24

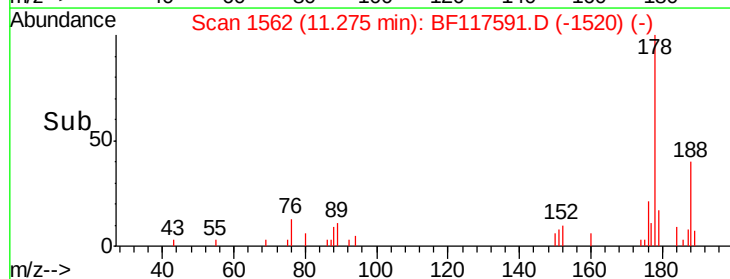
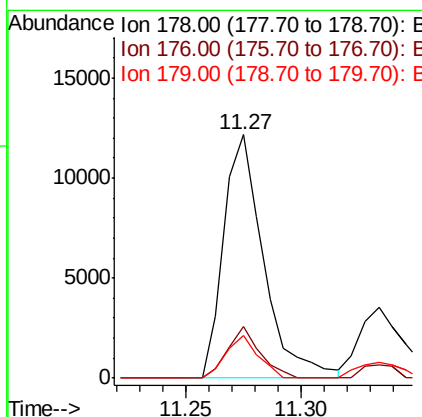
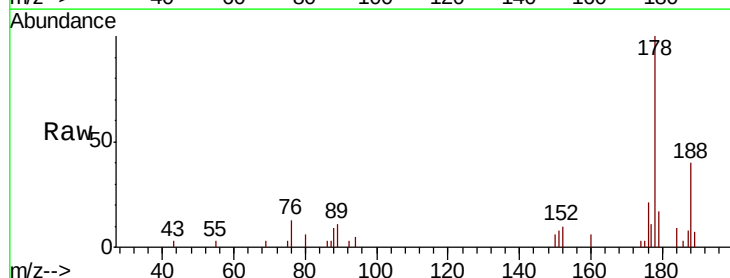
Instrument :
BNA_E
ClientSampleId :

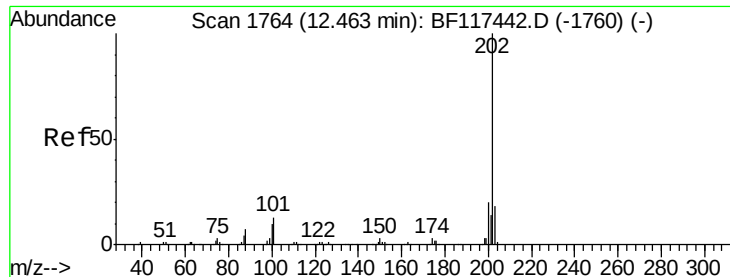
Tot Ion:178 Resp: 14647
Ion Ratio Lower Upper
178 100
176 21.0 14.6 22.0
179 17.5 12.6 19.0



#72
Anthracene
Concen: 2.555 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.05 min
Lab File: BF117591.D
Acq: 29 Oct 2019 15:24

Tgt Ion:178 Resp: 14647
Ion Ratio Lower Upper
178 100
176 21.0 14.7 22.1
179 17.5 12.2 18.2





#75

Fluoranthene

Concen: 4.178 ng

RT: 12.47 min Scan# 1765

Delta R.T. 0.01 min

Lab File: BF117591.D

Acq: 29 Oct 2019 15:24

Instrument :

BNA_E

ClientSampled :

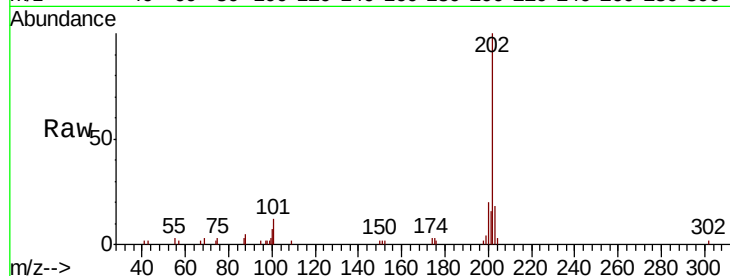
Tot Ion:202 Resp: 23373

Ion Ratio Lower Upper

202 100

101 12.1 0.0 32.7

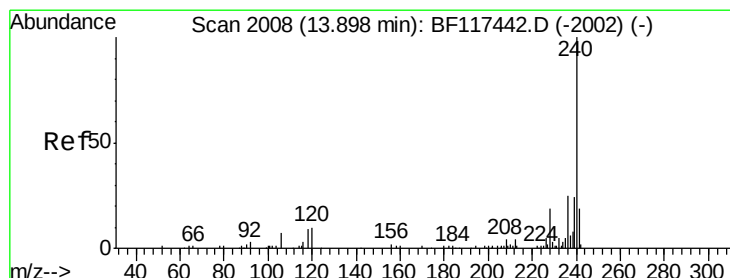
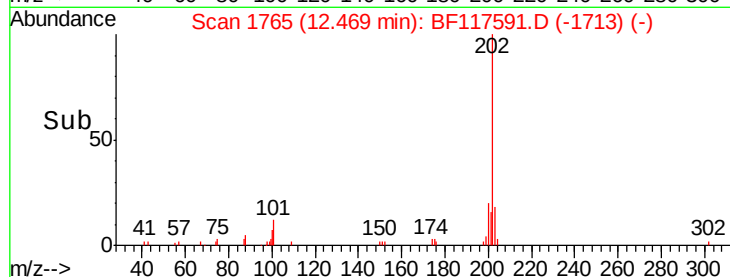
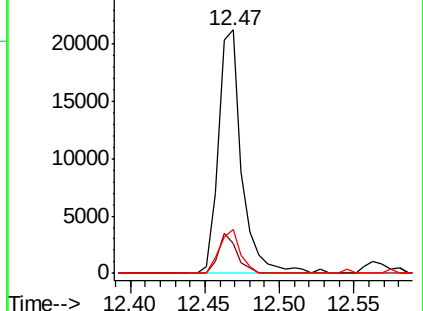
203 18.0 0.0 37.6



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: BF117591.D

Acq: 29 Oct 2019 15:24

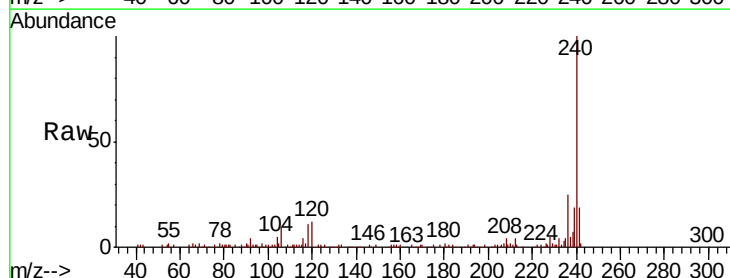
Tgt Ion:240 Resp: 85258

Ion Ratio Lower Upper

240 100

120 12.5 8.4 12.6

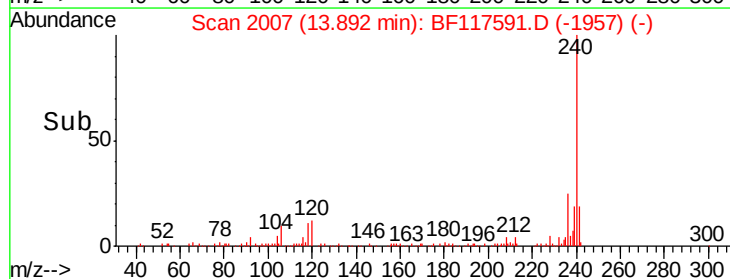
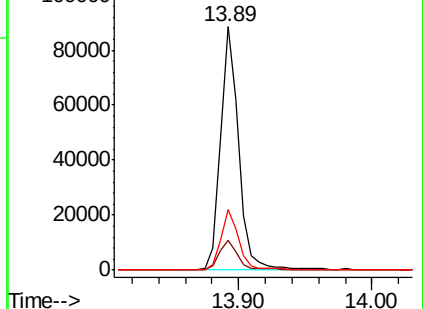
236 24.8 20.0 30.0

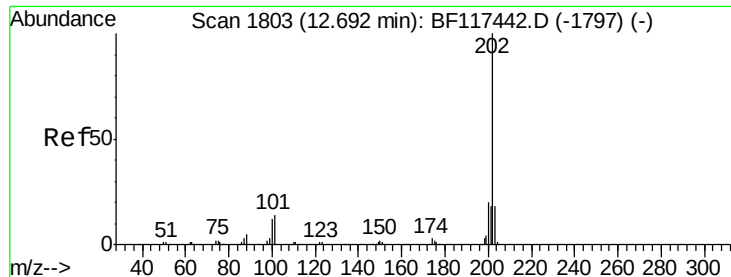


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 3.221 ng

RT: 12.69 min Scan# 1803

Delta R.T. 0.00 min

Lab File: BF117591.D

Acq: 29 Oct 2019 15:24

Instrument :

BNA_E

ClientSampleId :

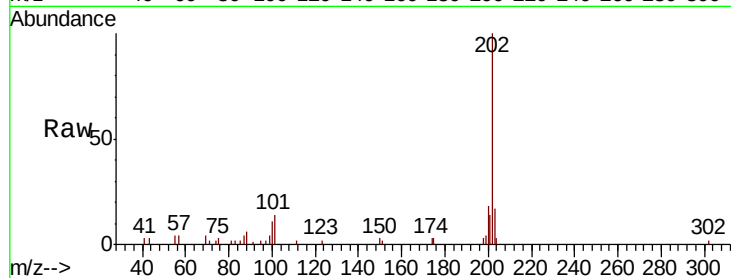
Tot Ion:202 Resp: 23588

Ion Ratio Lower Upper

202 100

200 17.5 16.2 24.2

203 17.1 14.0 21.0

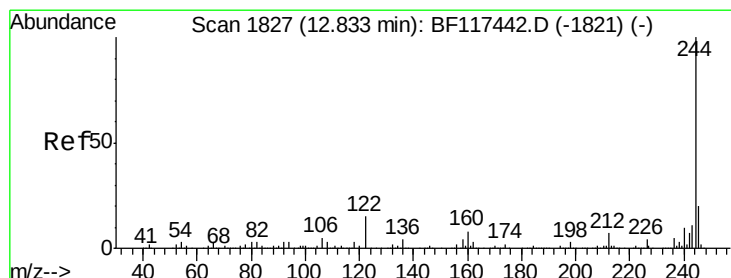
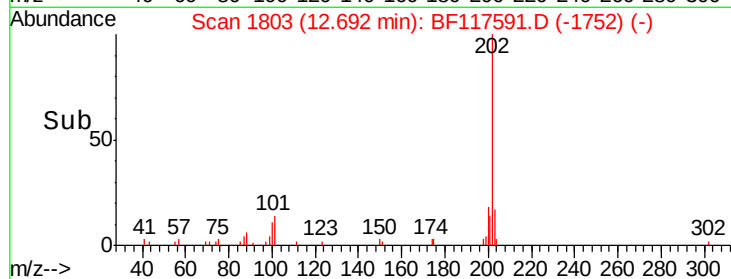
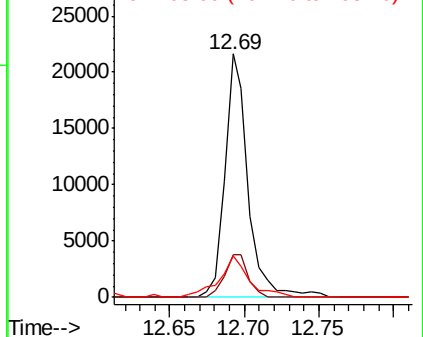


Abundance

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: 26.669 ng

RT: 12.83 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF117591.D

Acq: 29 Oct 2019 15:24

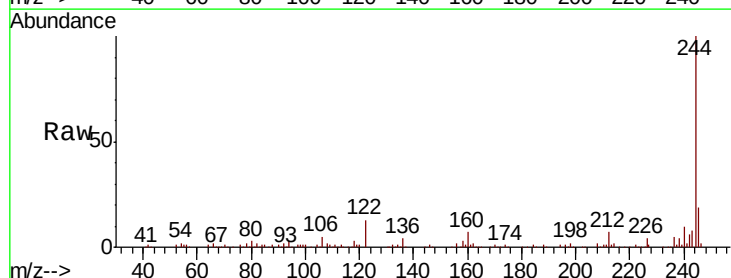
Tgt Ion:244 Resp: 139400

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.6

122 12.8 11.8 17.8

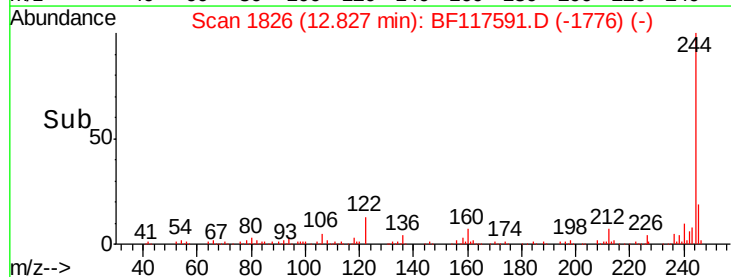
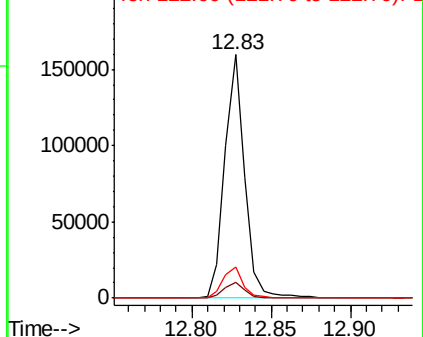


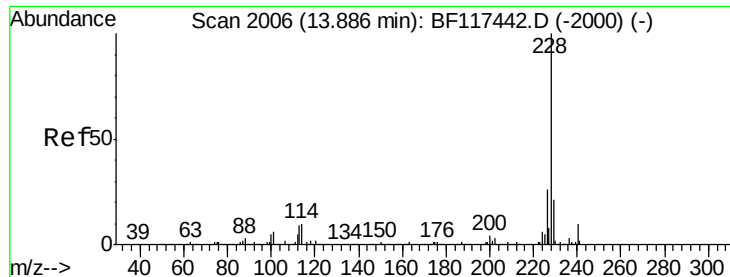
Abundance

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: 2.017 ng

RT: 13.88 min Scan# 2005

Delta R.T. -0.01 min

Lab File: BF117591.D

Acq: 29 Oct 2019 15:24

Instrument :

BNA_E

ClientSampleId :

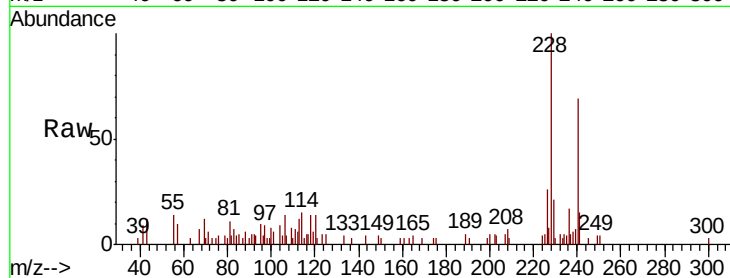
Tot Ion:228 Resp: 11598

Ion Ratio Lower Upper

228 100

226 26.4 21.0 31.4

229 20.5 16.4 24.6

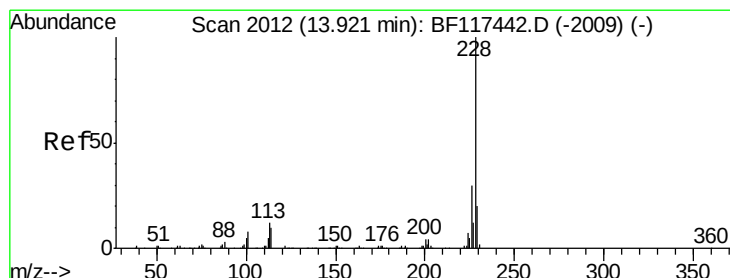
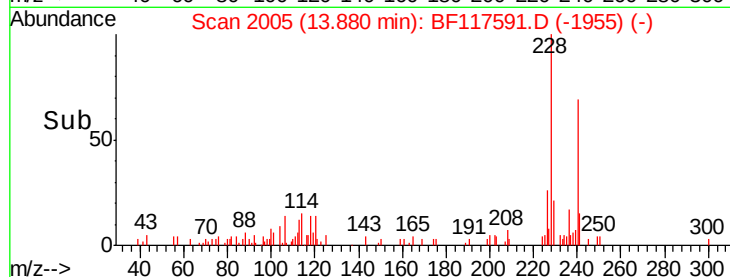
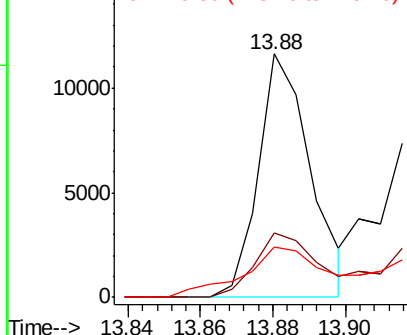


Abundance

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: 2.058 ng

RT: 13.88 min Scan# 2005

Delta R.T. -0.04 min

Lab File: BF117591.D

Acq: 29 Oct 2019 15:24

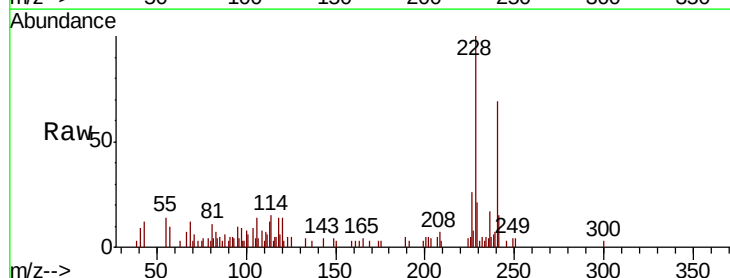
Tgt Ion:228 Resp: 11598

Ion Ratio Lower Upper

228 100

226 26.4 23.9 35.9

229 20.5 15.8 23.6

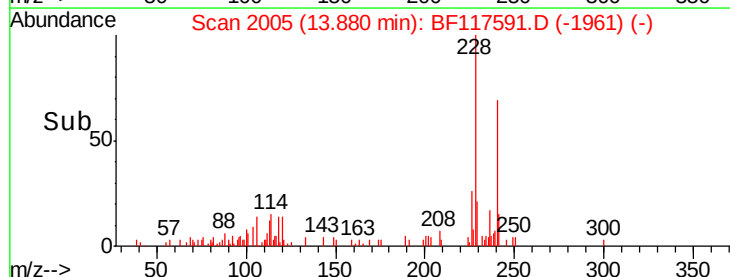
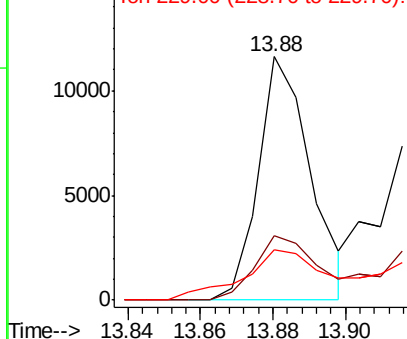


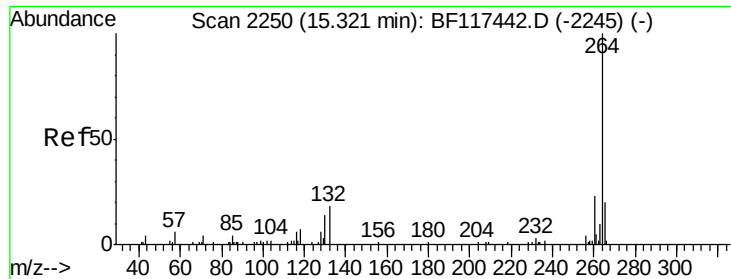
Abundance

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: BF117591.D

Acq: 29 Oct 2019 15:24

Instrument :

BNA_E

ClientSampleId :

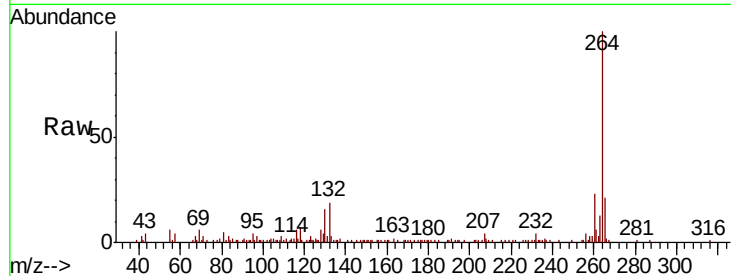
Tot Ion:264 Resp: 66527

Ion Ratio Lower Upper

264 100

260 23.2 18.4 27.6

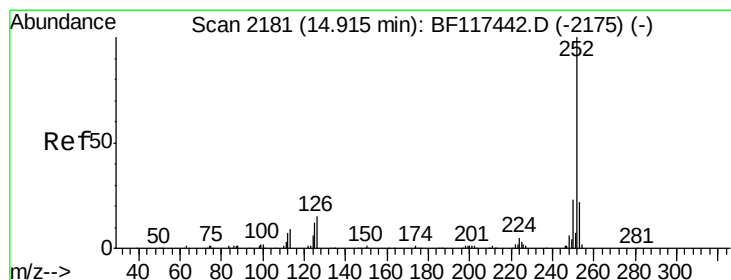
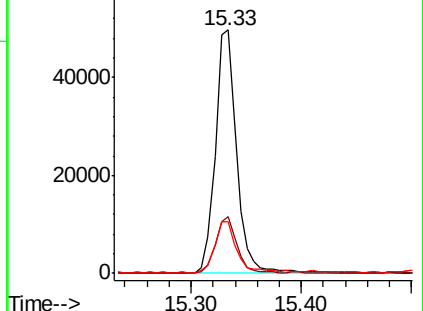
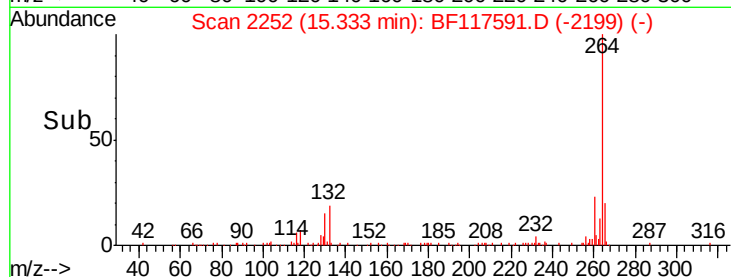
265 21.0 16.1 24.1



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: 3.900 ng

RT: 14.92 min Scan# 2182

Delta R.T. 0.01 min

Lab File: BF117591.D

Acq: 29 Oct 2019 15:24

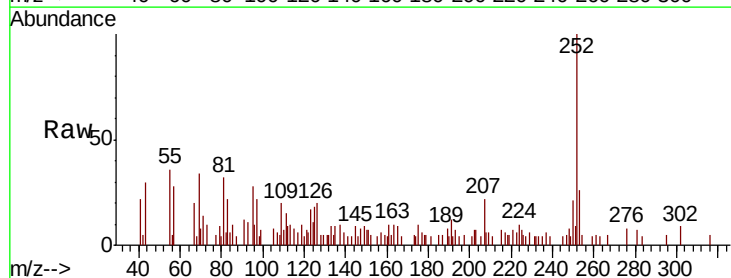
Tgt Ion:252 Resp: 15321

Ion Ratio Lower Upper

252 100

253 25.5 17.8 26.6

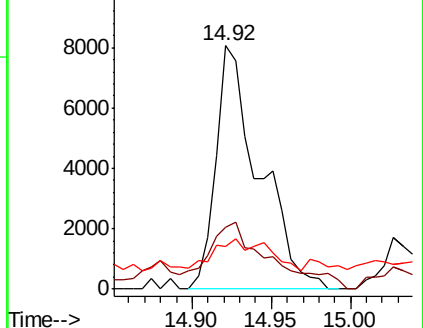
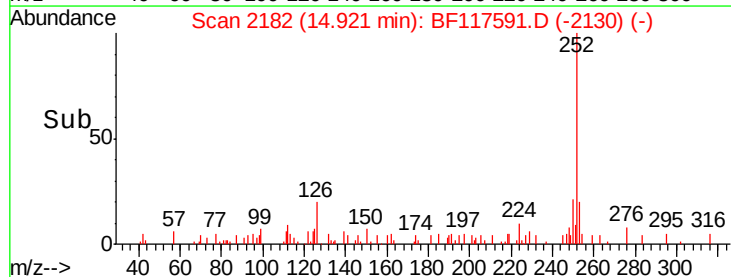
125 17.6 9.9 14.9#

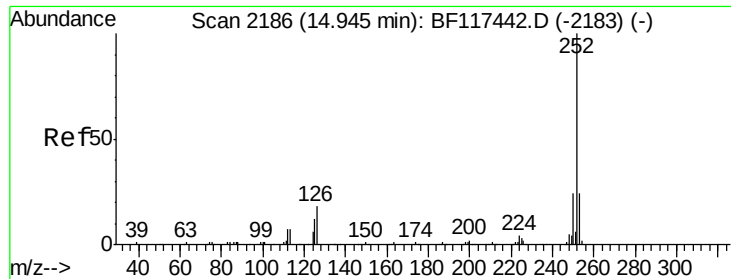


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

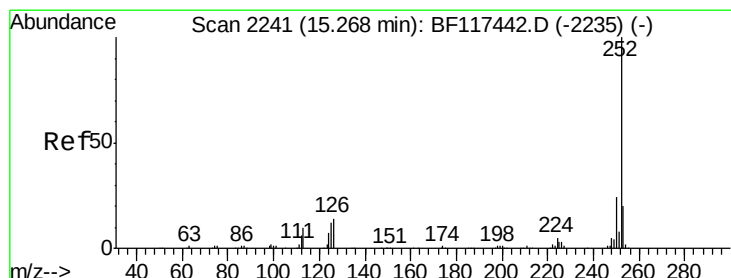
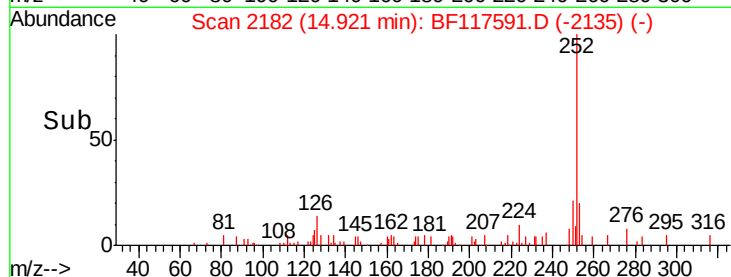
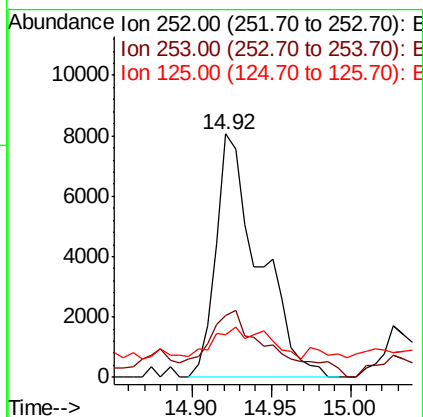
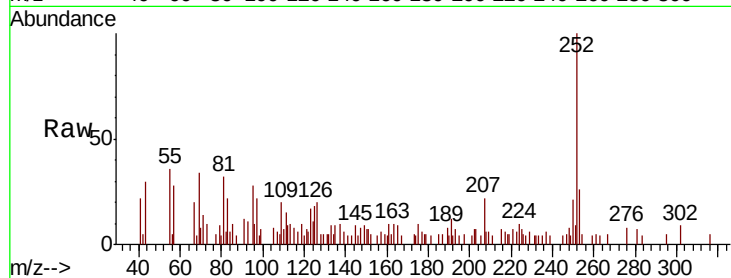




#89
Benzo(k)fluoranthene
Concen: 3.805 ng
RT: 14.92 min Scan# 2182
Delta R.T. -0.02 min
Lab File: BF117591.D
Acq: 29 Oct 2019 15:24

Instrument :
BNA_E
ClientSampled :

Tot Ion:252 Resp: 15321
Ion Ratio Lower Upper
252 100
253 25.5 18.0 27.0
125 17.6 8.9 13.3#



#90
Benzo(a)pyrene
Concen: 2.150 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.01 min
Lab File: BF117591.D
Acq: 29 Oct 2019 15:24

Tgt Ion:252 Resp: 7679
Ion Ratio Lower Upper
252 100
253 27.0 16.3 24.5#
125 24.0 9.2 13.8#

