

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102819\
 Data File : BF117575.D
 Acq On : 28 Oct 2019 21:24
 Operator : JU
 Sample : K5153-05
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 29 14:07:51 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	6.72	152	44856	20.00	ng	-0.01
21) Naphthalene-d8	8.01	136	183597	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	90751	20.00	ng	-0.01
64) Phenanthrene-d10	11.24	188	129230	20.00	ng	0.00
76) Chrysene-d12	13.89	240	88327	20.00	ng	0.00
87) Perylene-d12	15.32	264	76475	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	157470	52.23	ng	0.00
7) Phenol-d6	6.38	99	223989	55.31	ng	0.00
23) Nitrobenzene-d5	7.29	82	134383	36.13	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	35698	45.46	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	218065	33.86	ng	-0.01
79) Terphenyl-d14	12.83	244	162038	29.92	ng	0.00

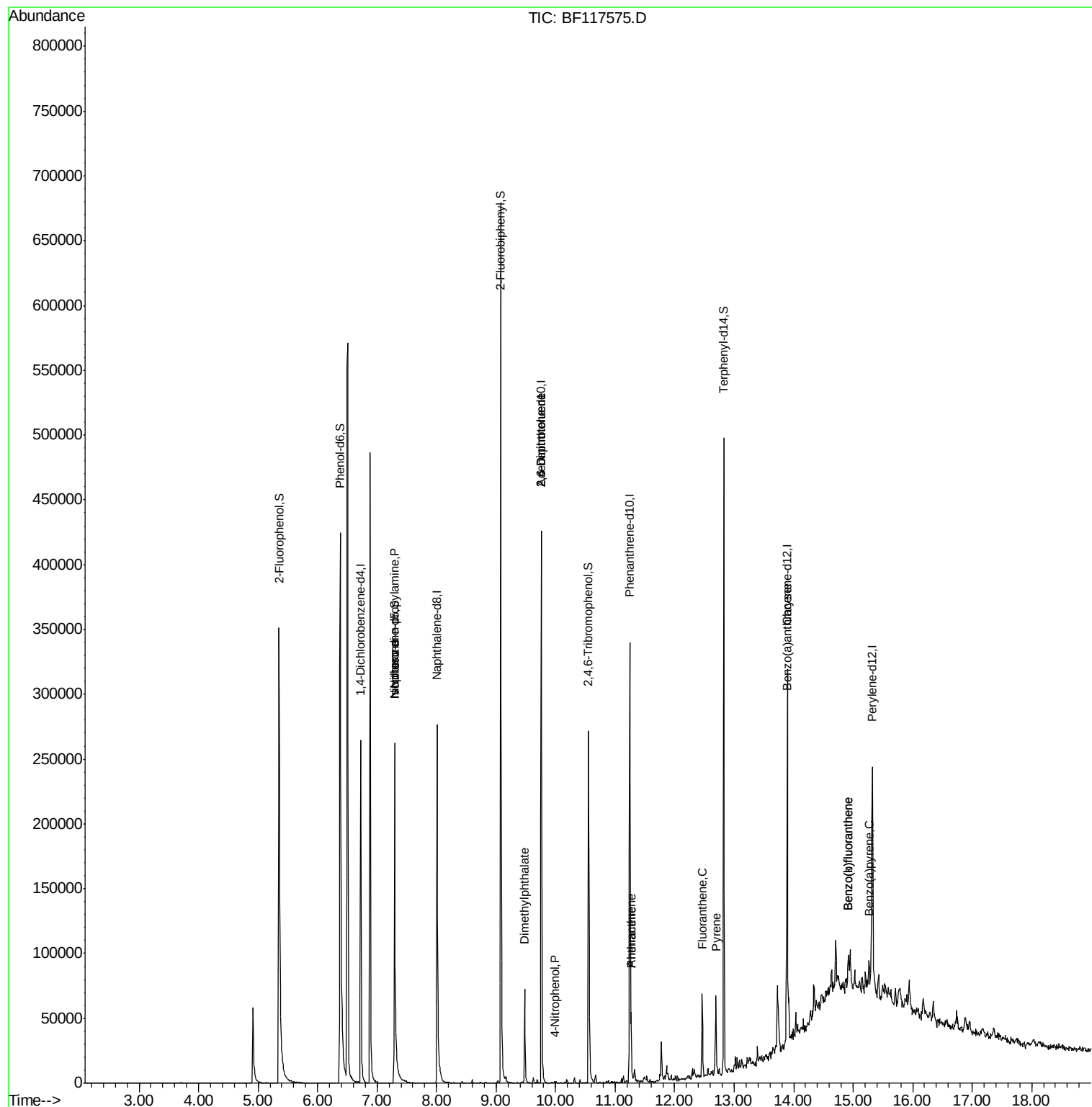
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.50	77	3854	Below Cal	#	75
19) n-Nitroso-di-n-propylamine	7.29	70	17173	6.944	ng	# 77
25) Isophorone	7.29	82	134382	20.888	ng	# 65
50) Dimethylphthalate	9.48	163	33810	5.226	ng	# 99
51) 2,6-Dinitrotoluene	9.76	165	11457	8.486	ng	# 22
56) 4-Nitrophenol	9.98	139	113	4.272	ng	# 6
57) 2,4-Dinitrotoluene	9.76	165	11457	6.383	ng	# 12
71) Phenanthrene	11.27	178	19517	2.601	ng	# 99
72) Anthracene	11.27	178	19517	2.535	ng	# 99
75) Fluoranthene	12.46	202	25492	3.394	ng	# 96
77) Benzydine	12.82	184	2117	Below Cal	#	75
78) Pyrene	12.69	202	25507	3.362	ng	# 99
81) Benzo(a)anthracene	13.88	228	12489	2.096	ng	# 96
88) Benzo(b)fluoranthene	14.92	252	17487	3.872	ng	# 85
89) Benzo(k)fluoranthene	14.92	252	17487	3.778	ng	# 85
90) Benzo(a)pyrene	15.27	252	9606	2.340	ng	# 91

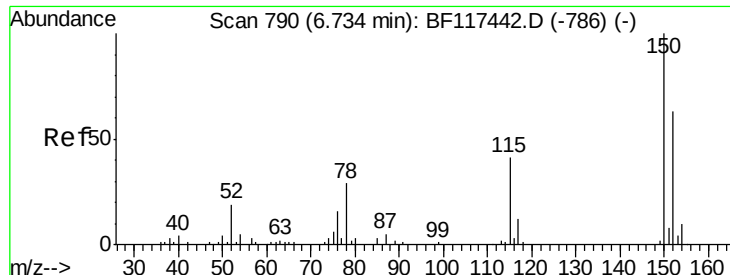
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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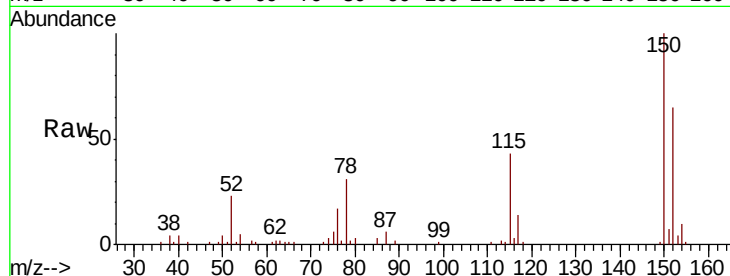


#1

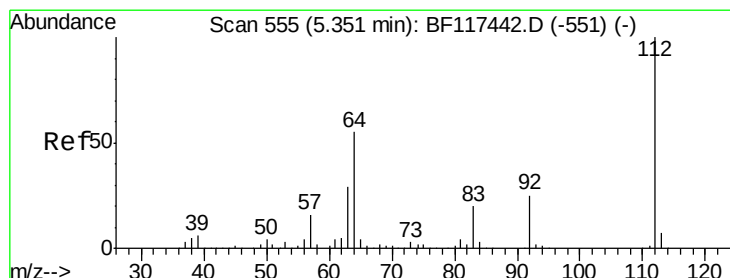
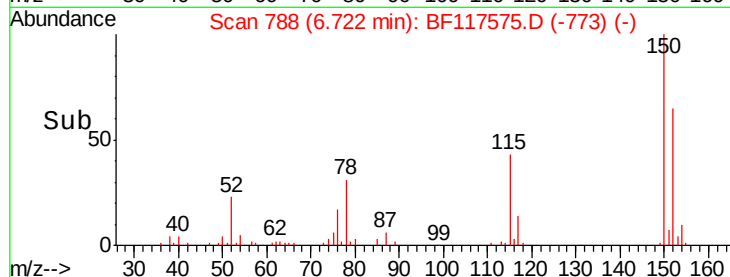
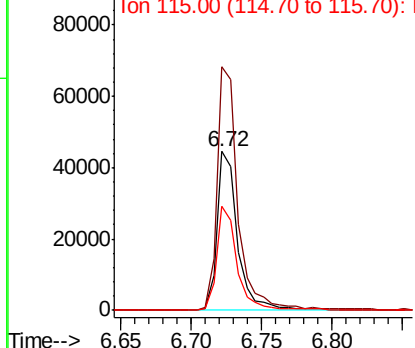
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF117575.D
Acq: 28 Oct 2019 21:24

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 44856
Ion Ratio Lower Upper
152 100
150 153.2 126.8 190.2
115 65.6 51.6 77.4



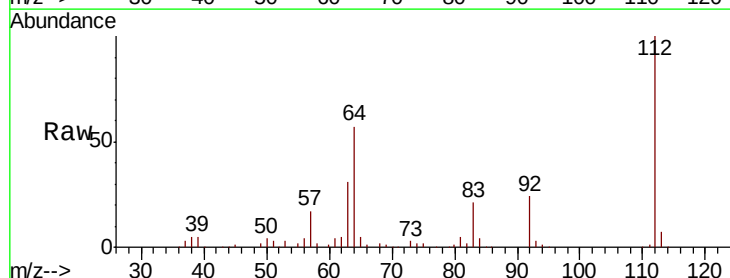
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



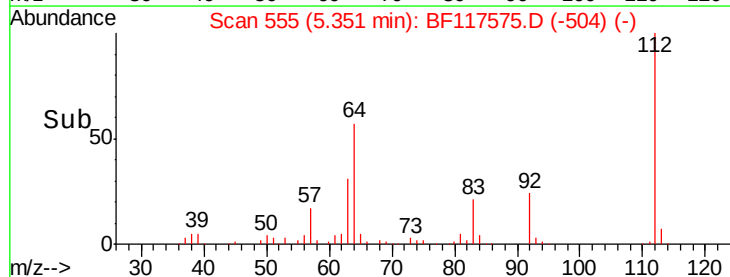
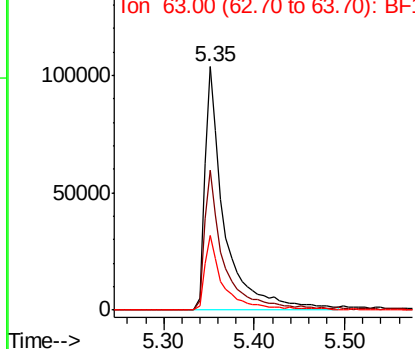
#5

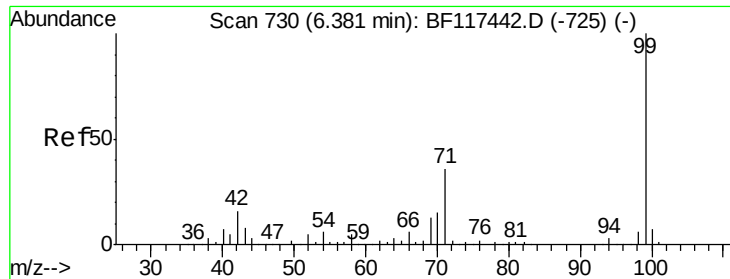
2-Fluorophenol
Concen: 52.227 ng
RT: 5.35 min Scan# 555
Delta R.T. -0.00 min
Lab File: BF117575.D
Acq: 28 Oct 2019 21:24

Tgt Ion:112 Resp: 157470
Ion Ratio Lower Upper
112 100
64 57.3 44.1 66.1
63 30.9 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: 55.311 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF117575.D

Acq: 28 Oct 2019 21:24

Instrument :

BNA_E

ClientSampleId :

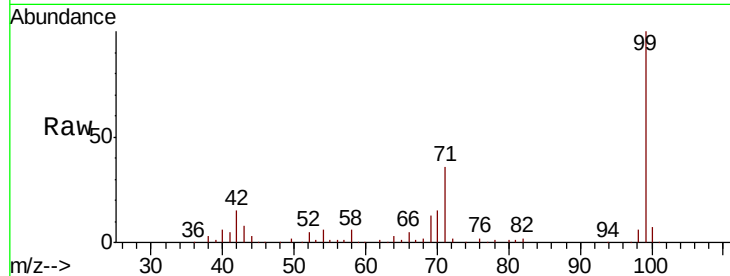
Tot Ion: 99 Resp: 223989

Ion Ratio Lower Upper

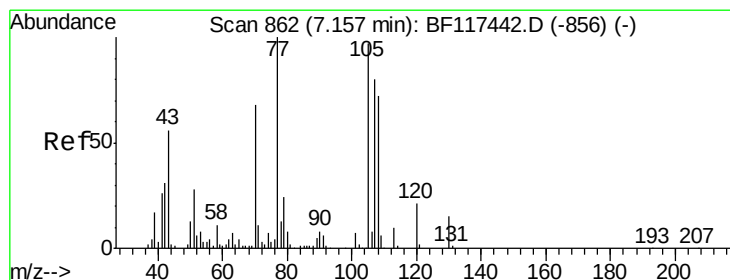
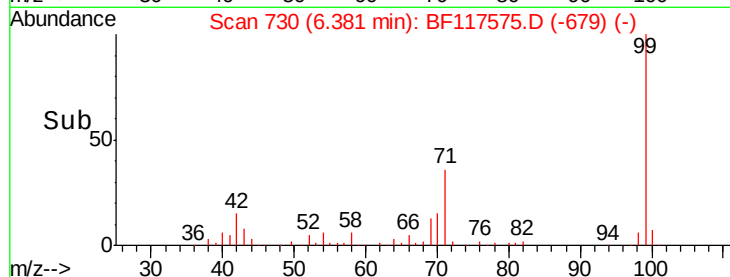
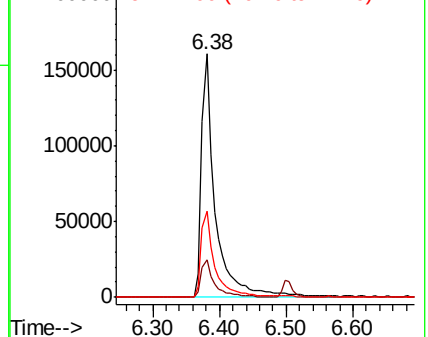
99 100

42 15.4 12.8 19.2

71 35.5 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



#19

n-Nitroso-di-n-propylamine

Concen: 6.944 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.14 min

Lab File: BF117575.D

Acq: 28 Oct 2019 21:24

Tgt Ion: 70 Resp: 17173

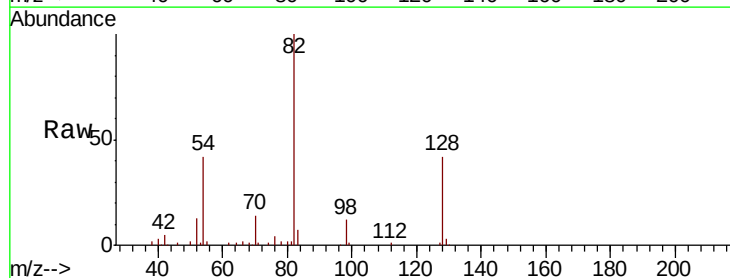
Ion Ratio Lower Upper

70 100

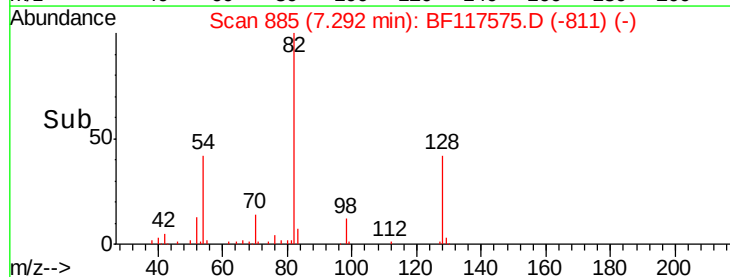
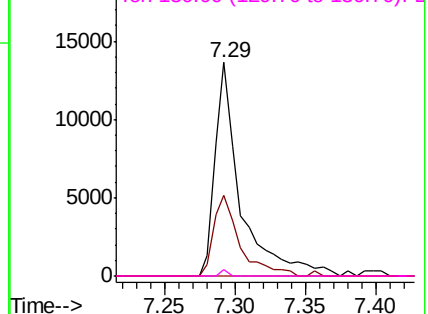
42 37.5 36.7 55.1

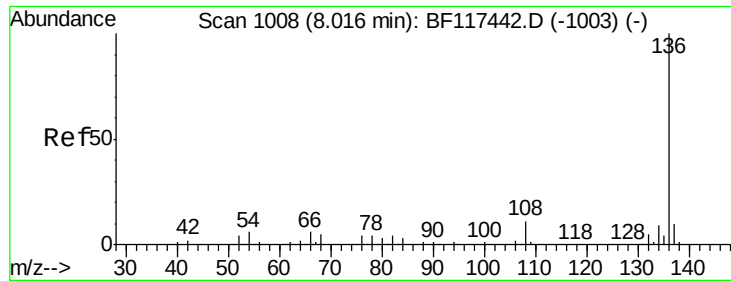
101 0.0 8.3 12.5#

130 2.8 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

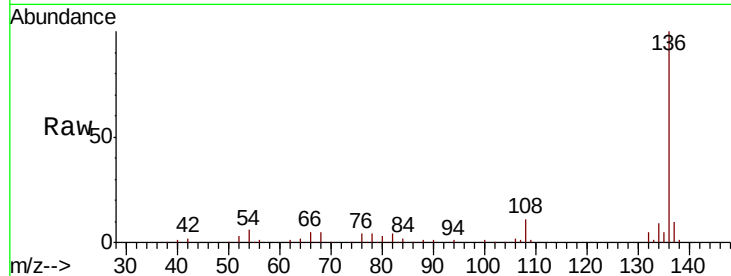




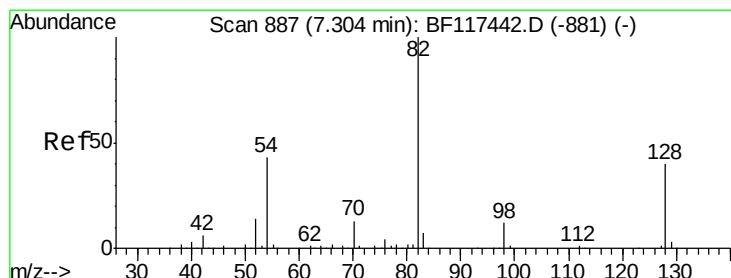
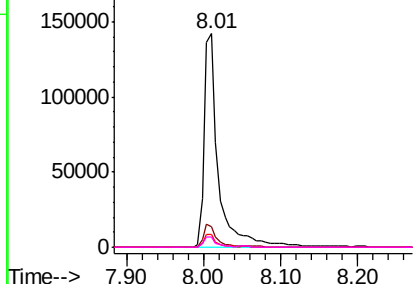
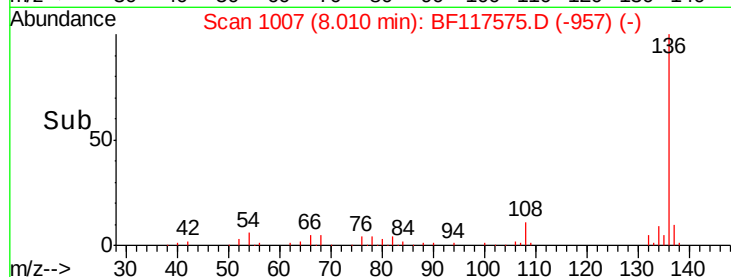
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117575.D
Acq: 28 Oct 2019 21:24

Instrument :
BNA_E
ClientSampleId :

Tot Ion:136	Resp:	183597
Ion	Ratio	Lower Upper
136	100	
137	9.8	8.2 12.4
54	6.1	4.5 6.7
68	5.1	4.3 6.5

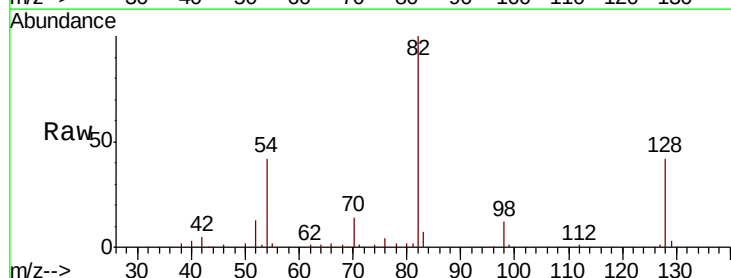


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

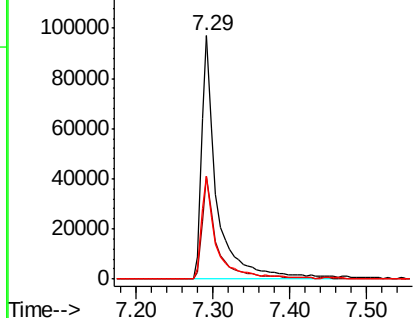
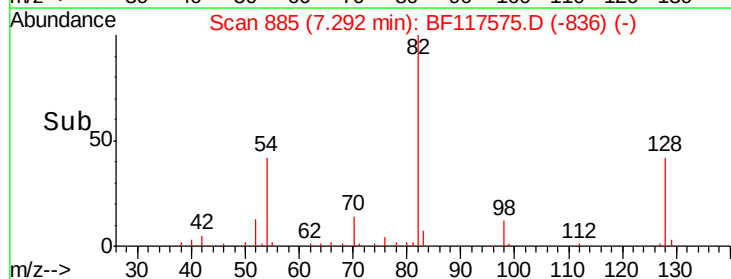


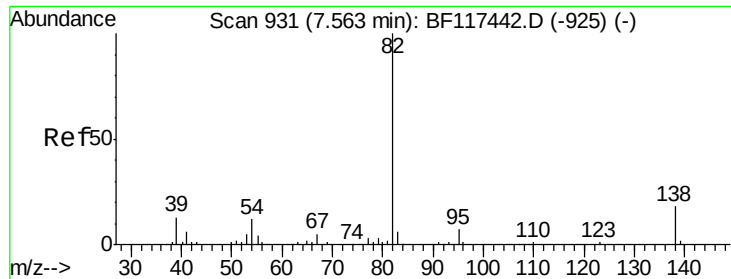
#23
Nitrobenzene-d5
Concen: 36.135 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF117575.D
Acq: 28 Oct 2019 21:24

Tgt Ion: 82	Resp:	134383
Ion	Ratio	Lower Upper
82	100	
128	42.2	32.2 48.2
54	42.2	34.2 51.2



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

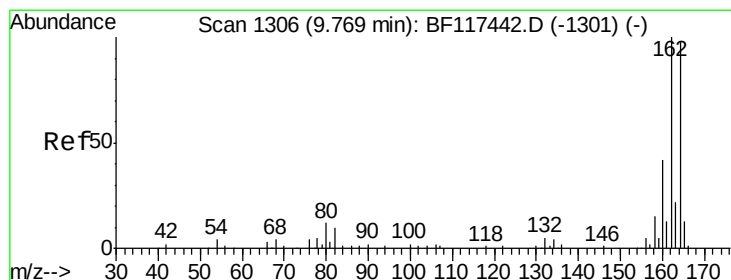
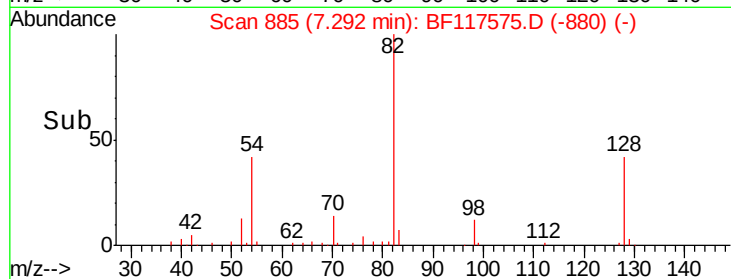
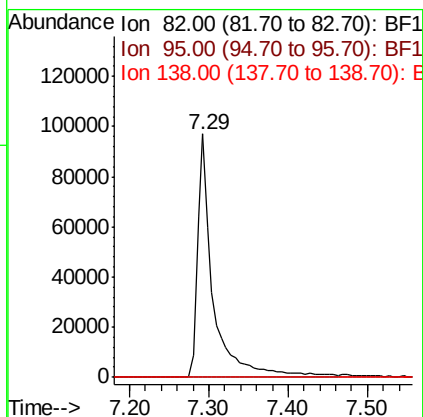
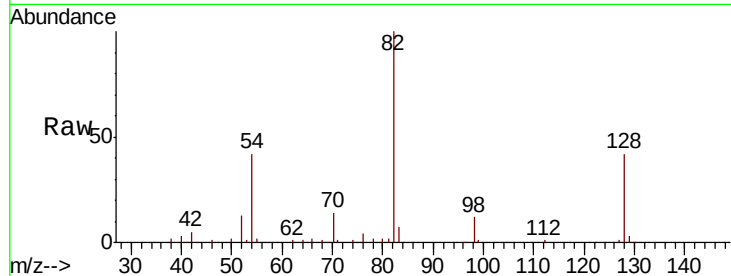




#25
Isophorone
Concen: 20.888 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.27 min
Lab File: BF117575.D
Acq: 28 Oct 2019 21:24

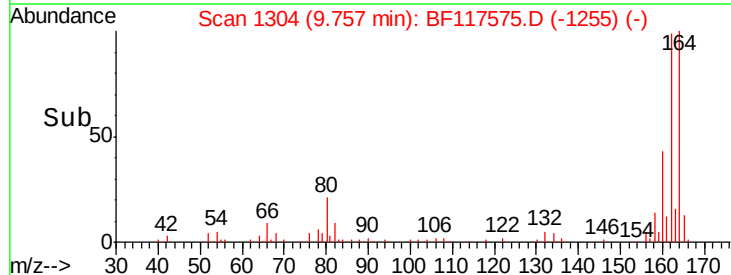
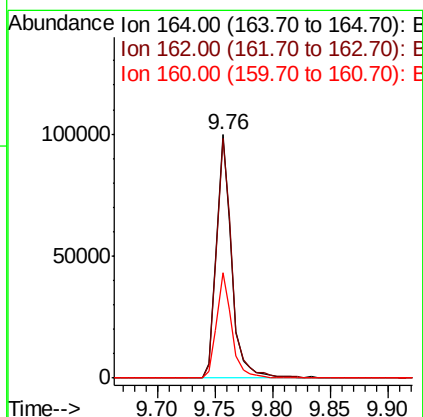
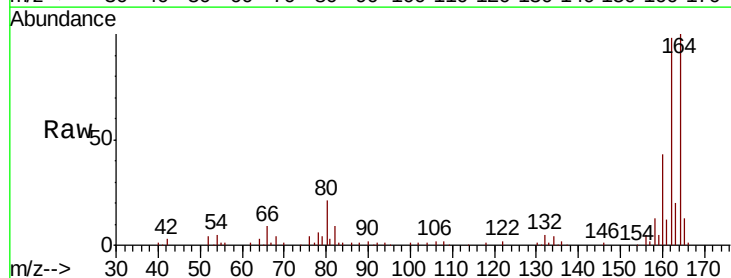
Instrument :
BNA_E
ClientSampleId :

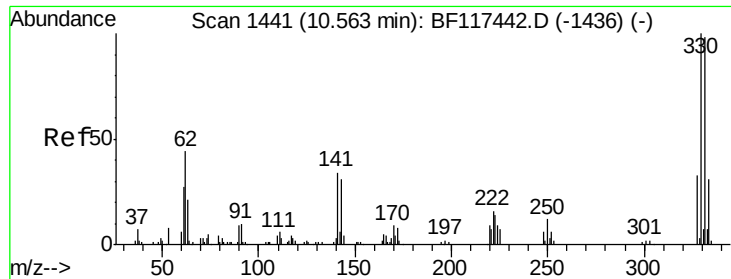
Tot Ion: 82 Resp: 134382
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF117575.D
Acq: 28 Oct 2019 21:24

Tgt Ion:164 Resp: 90751
Ion Ratio Lower Upper
164 100
162 98.4 81.8 122.6
160 43.0 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 45.462 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.01 min

Lab File: BF117575.D

Acq: 28 Oct 2019 21:24

Instrument :

BNA_E

ClientSampleId :

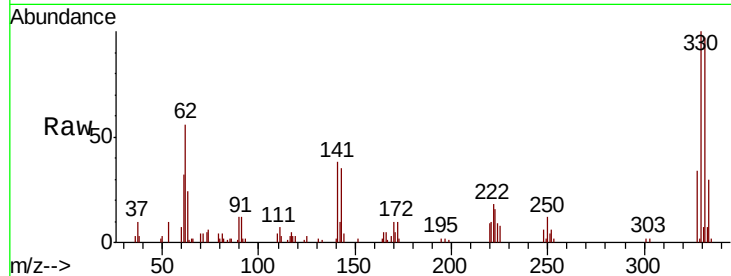
Tot Ion:330 Resp: 35698

Ion Ratio Lower Upper

330 100

332 97.2 78.5 117.7

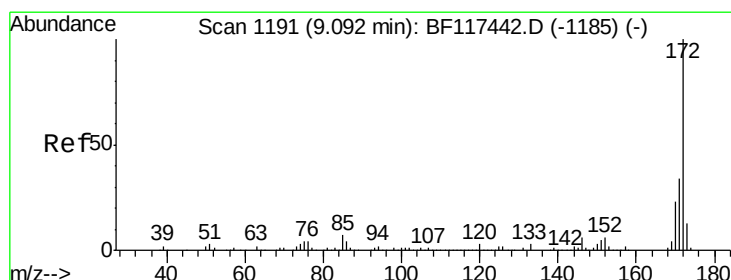
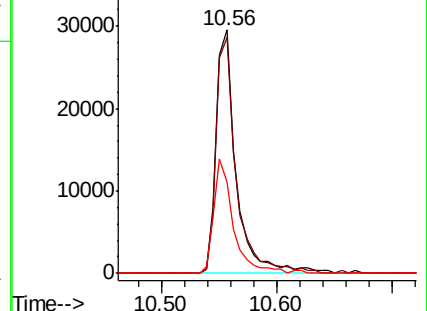
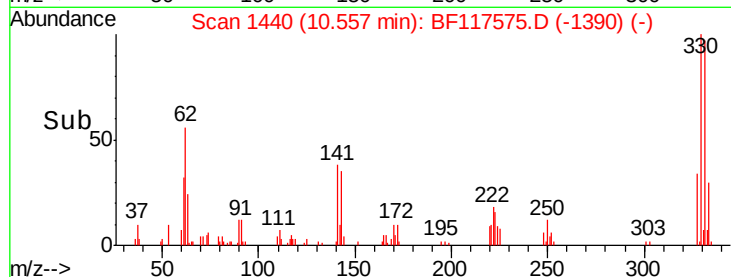
141 45.0 37.0 55.6



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: 33.857 ng

RT: 9.08 min Scan# 1189

Delta R.T. -0.01 min

Lab File: BF117575.D

Acq: 28 Oct 2019 21:24

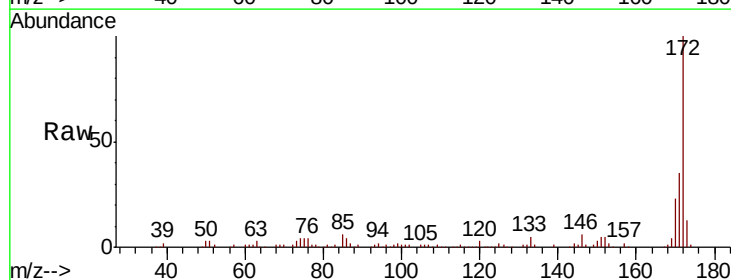
Tgt Ion:172 Resp: 218065

Ion Ratio Lower Upper

172 100

171 34.9 27.5 41.3

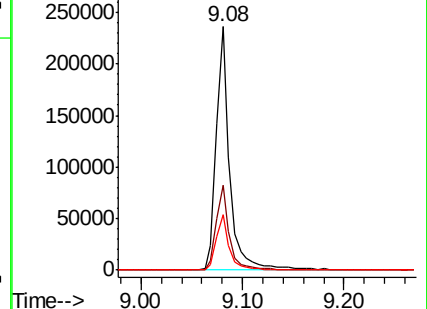
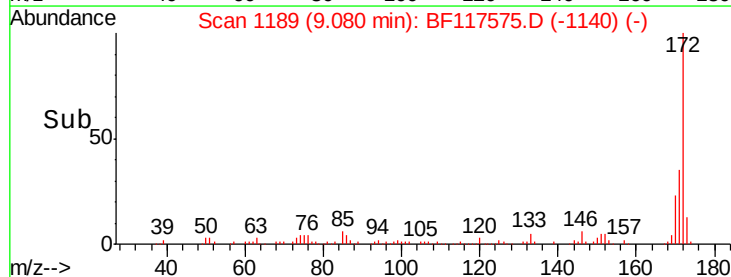
170 23.0 18.6 27.8

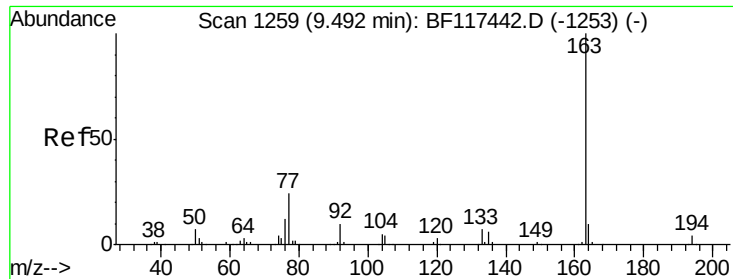


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

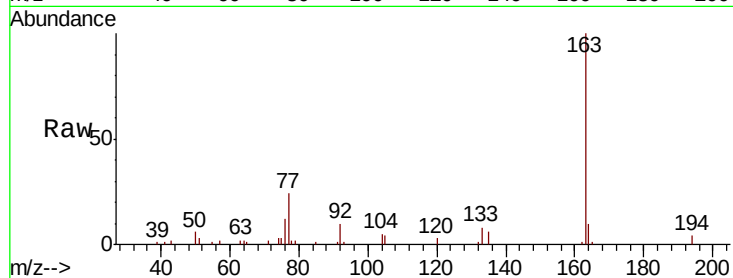




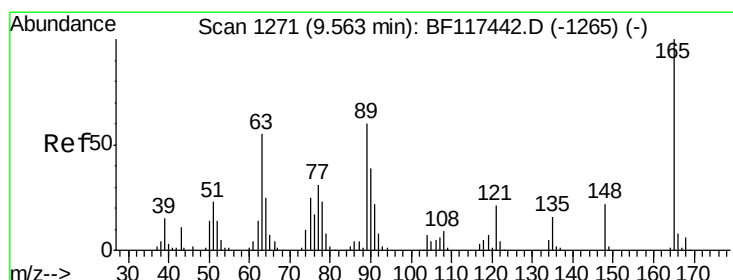
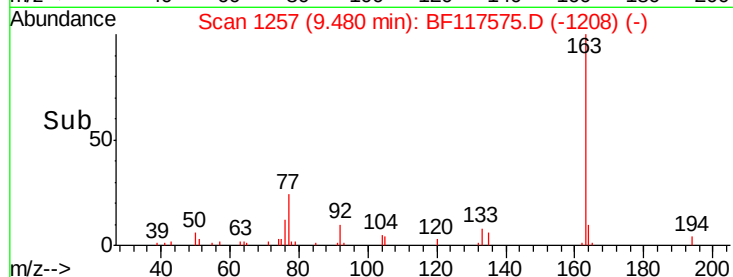
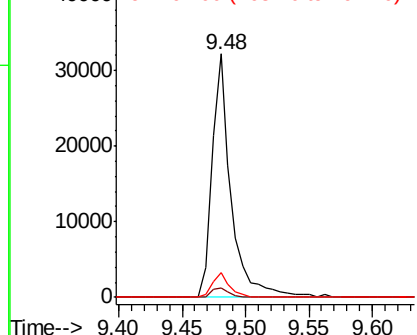
#50
Dimethylphthalate
Concen: 5.226 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117575.D
Acq: 28 Oct 2019 21:24

Instrument :
BNA_E
ClientSampleId :

Tot Ion:163 Resp: 33810
Ion Ratio Lower Upper
163 100
194 4.1 2.9 4.3
164 10.4 8.2 12.2

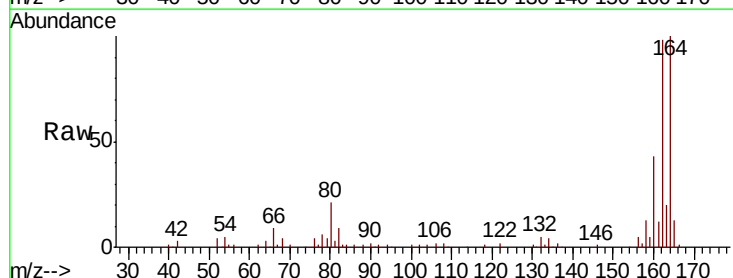


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

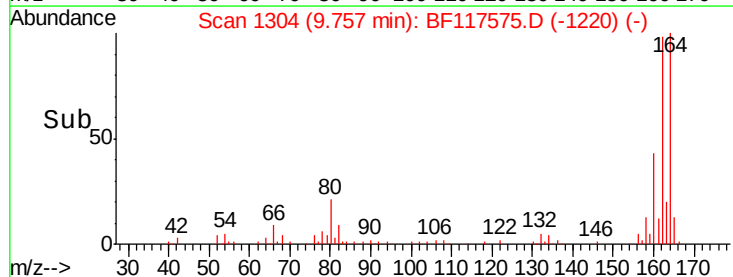
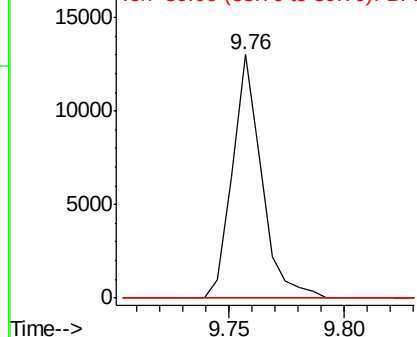


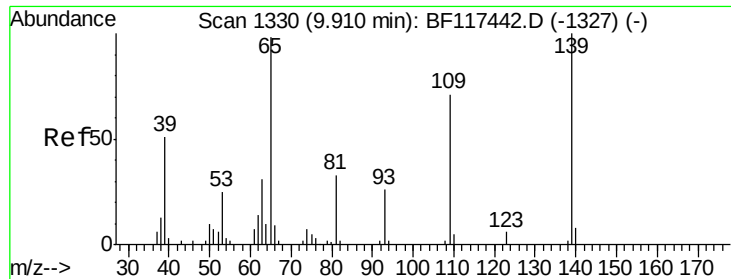
#51
2,6-Dinitrotoluene
Concen: 8.486 ng
RT: 9.76 min Scan# 1304
Delta R.T. 0.19 min
Lab File: BF117575.D
Acq: 28 Oct 2019 21:24

Tgt Ion:165 Resp: 11457
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

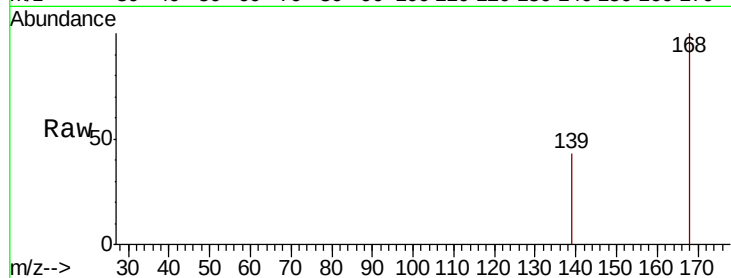




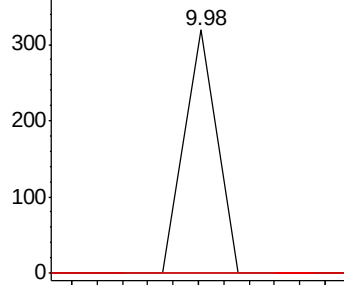
#56
4-Nitrophenol
Concen: 4.272 ng
RT: 9.98 min Scan# 1342
Delta R.T. 0.07 min
Lab File: BF117575.D
Acq: 28 Oct 2019 21:24

Instrument :
BNA_E
ClientSampleId :

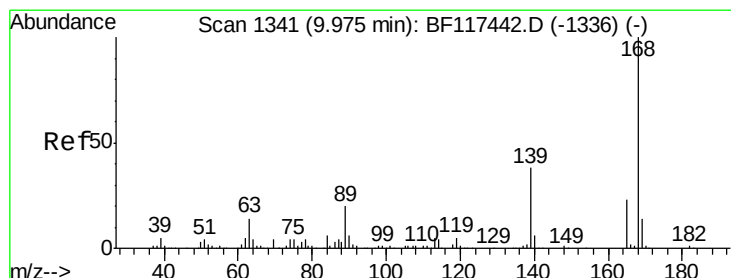
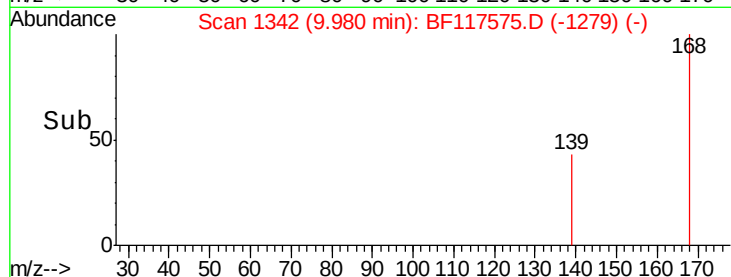
Tot Ion:139 Resp: 113
Ion Ratio Lower Upper
139 100
109 0.0 51.4 91.4#
65 0.0 79.4 119.4#



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

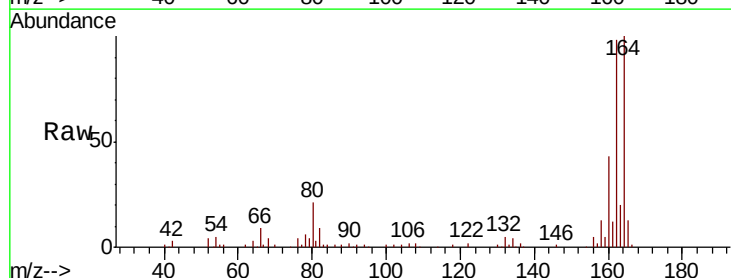


Time-->

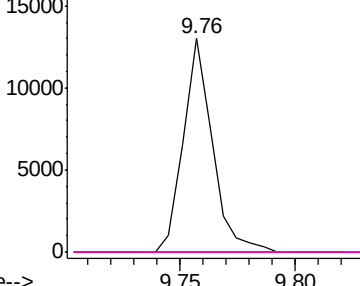


#57
2,4-Dinitrotoluene
Concen: 6.383 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.22 min
Lab File: BF117575.D
Acq: 28 Oct 2019 21:24

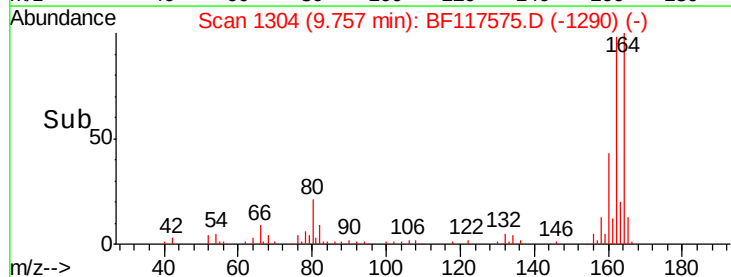
Tgt Ion:165 Resp: 11457
Ion Ratio Lower Upper
165 100
63 0.0 51.4 77.0#
89 0.0 69.9 104.9#
182 0.0 1.9 2.9#

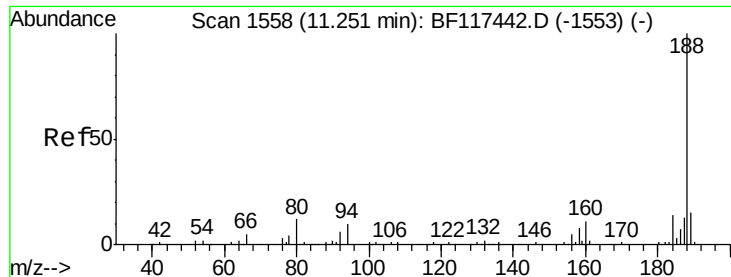


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): BF1



Time-->

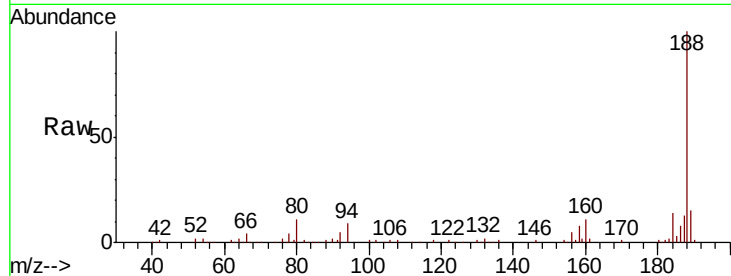




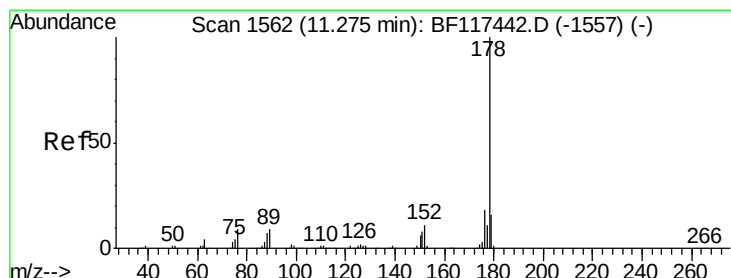
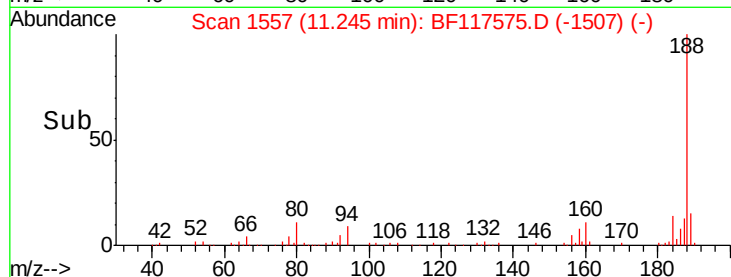
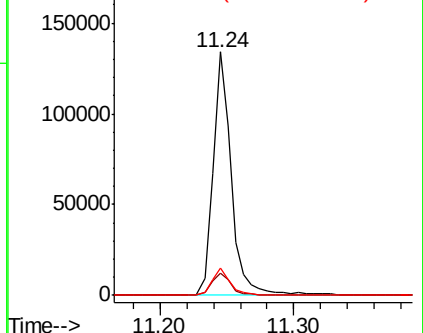
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF117575.D
Acq: 28 Oct 2019 21:24

Instrument :
BNA_E
ClientSampleId :

Tot Ion:188 Resp: 129230
Ion Ratio Lower Upper
188 100
94 9.3 8.0 12.0
80 11.5 9.5 14.3

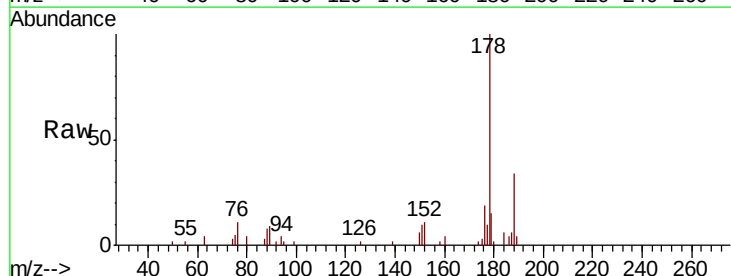


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

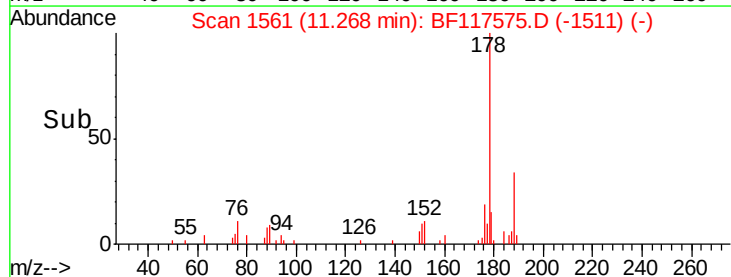
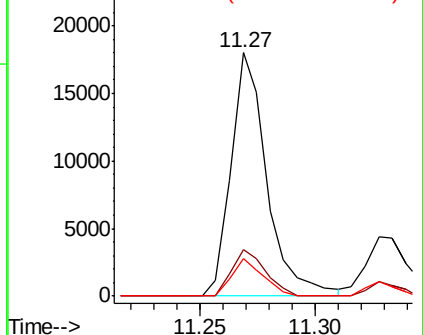


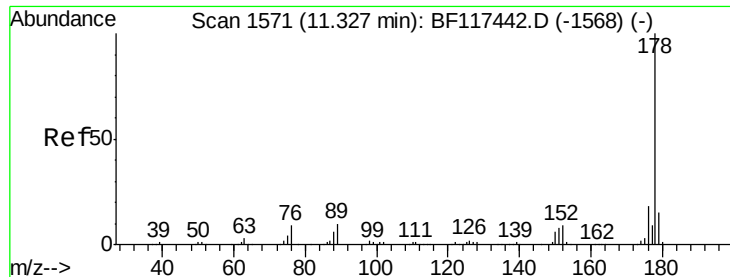
#71
Phenanthrene
Concen: 2.601 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF117575.D
Acq: 28 Oct 2019 21:24

Tgt Ion:178 Resp: 19517
Ion Ratio Lower Upper
178 100
176 18.9 14.6 22.0
179 15.2 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





#72

Anthracene

Concen: 2.535 ng

RT: 11.27 min Scan# 1561

Delta R.T. -0.06 min

Lab File: BF117575.D

Acq: 28 Oct 2019 21:24

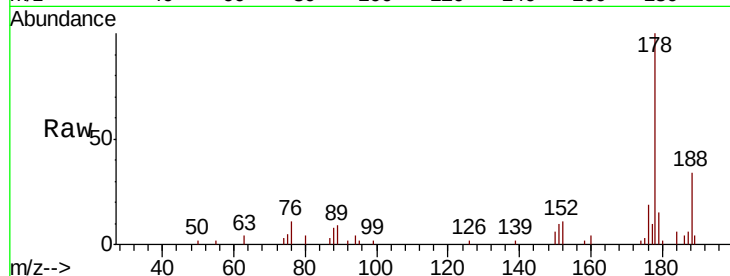
Instrument :

BNA_E

ClientSampleId :

Tot Ion:178 Resp: 19517

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.7	22.1
179	15.2	12.2	18.2

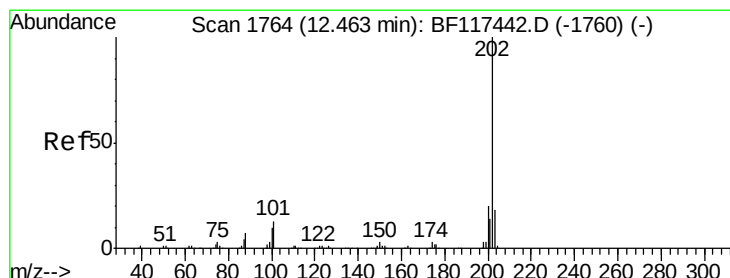
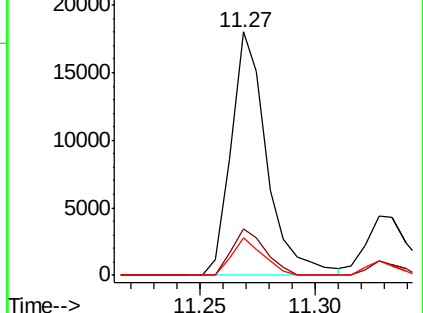
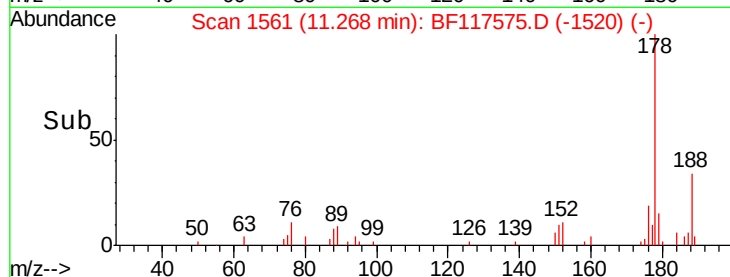


Abundance

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: 3.394 ng

RT: 12.46 min Scan# 1764

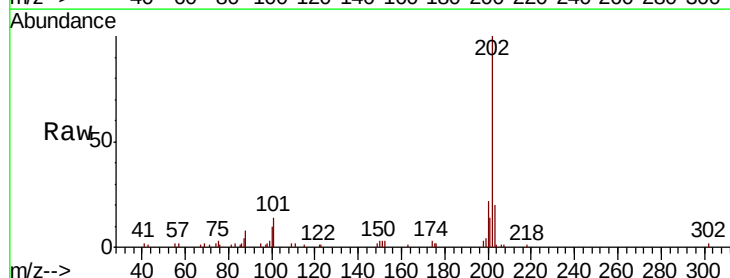
Delta R.T. -0.00 min

Lab File: BF117575.D

Acq: 28 Oct 2019 21:24

Tgt Ion:202 Resp: 25492

Ion	Ratio	Lower	Upper
202	100		
101	13.6	0.0	32.7
203	19.9	0.0	37.6

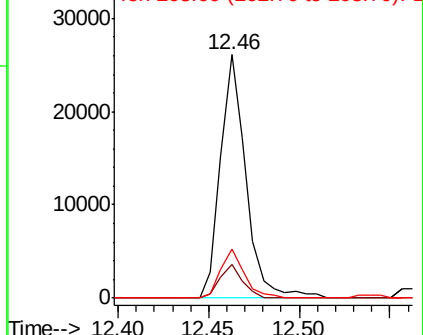
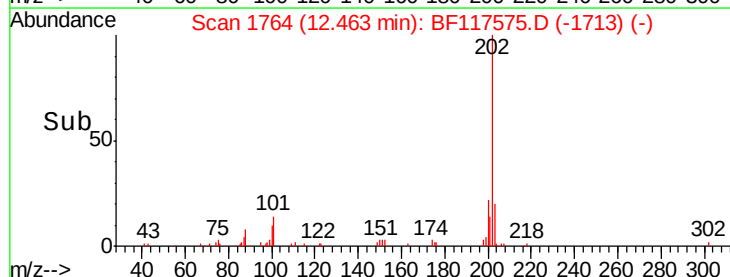


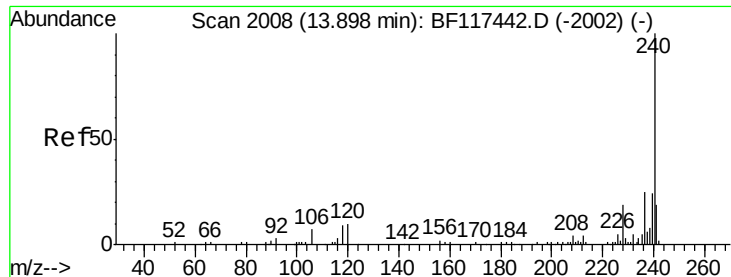
Abundance

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

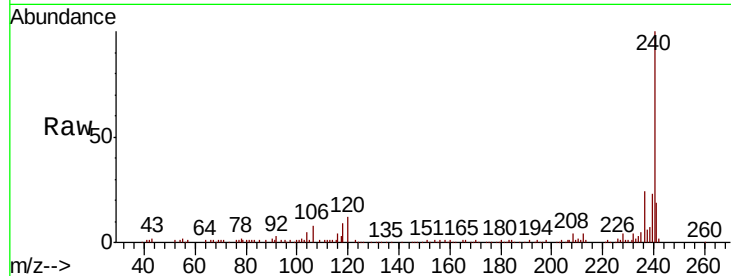




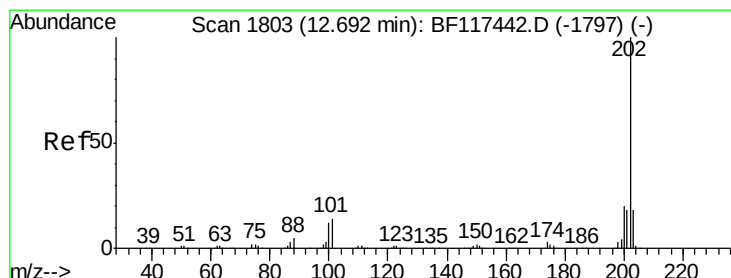
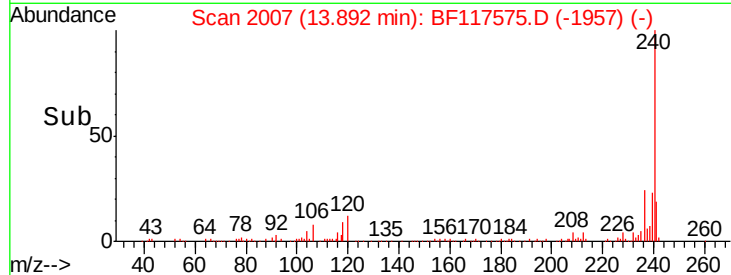
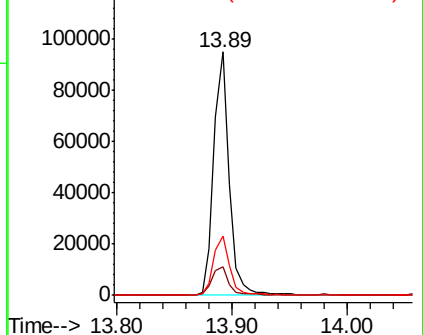
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF117575.D
Acq: 28 Oct 2019 21:24

Instrument :
BNA_E
ClientSampleId :

Tot Ion:240 Resp: 88327
Ion Ratio Lower Upper
240 100
120 12.0 8.4 12.6
236 24.5 20.0 30.0

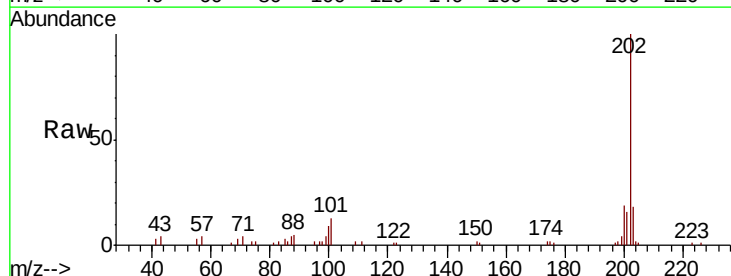


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

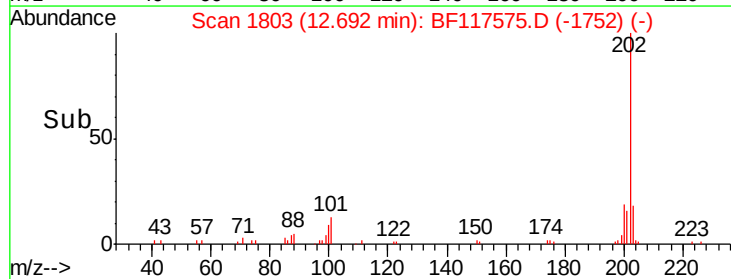
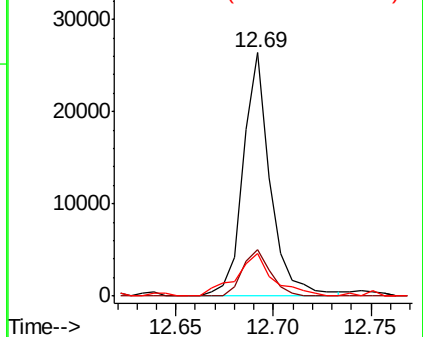


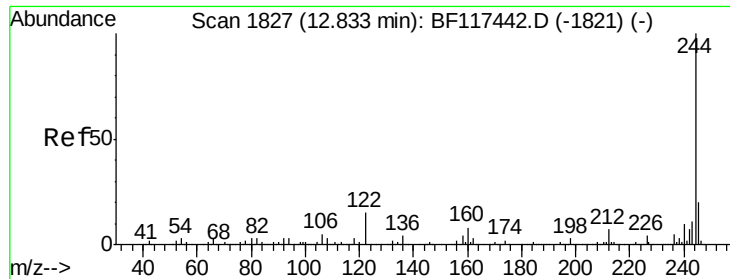
#78
Pyrene
Concen: 3.362 ng
RT: 12.69 min Scan# 1803
Delta R.T. -0.00 min
Lab File: BF117575.D
Acq: 28 Oct 2019 21:24

Tgt Ion:202 Resp: 25507
Ion Ratio Lower Upper
202 100
200 19.1 16.2 24.2
203 17.6 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

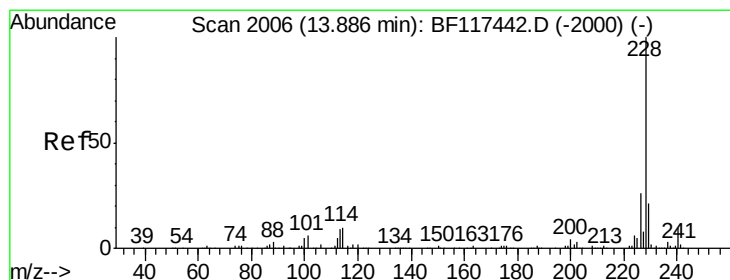
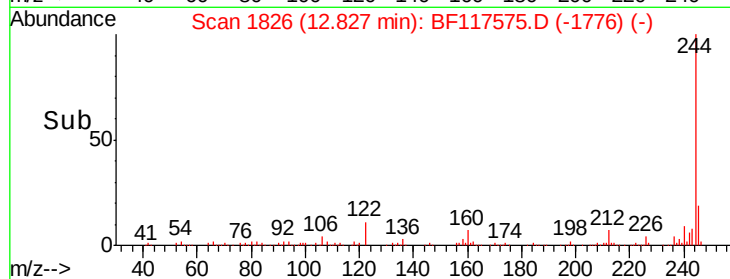
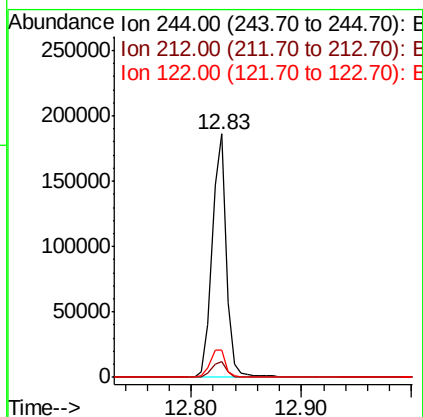
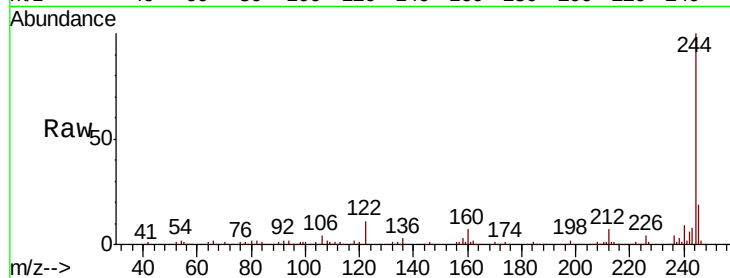




#79
 Terphenyl-d14
 Concen: 29.923 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF117575.D
 Acq: 28 Oct 2019 21:24

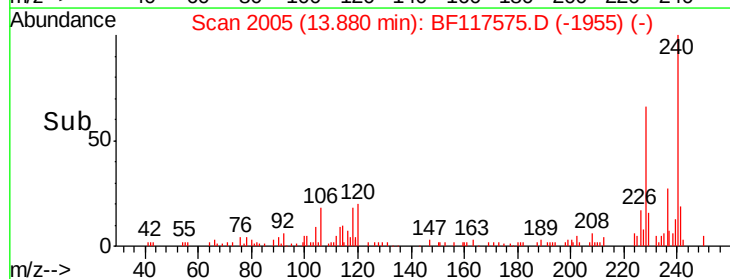
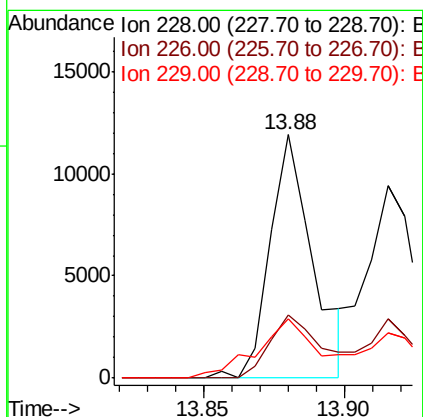
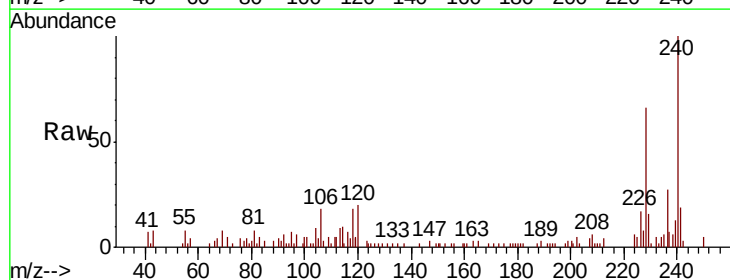
Instrument :
 BNA_E
 ClientSampleId :

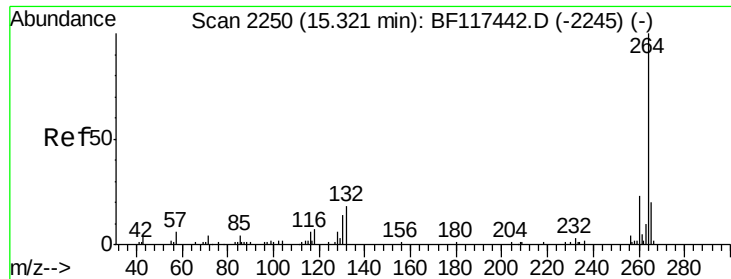
Tot Ion:244 Resp: 162038
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.8 8.6
 122 11.1 11.8 17.8#



#81
 Benzo(a)anthracene
 Concen: 2.096 ng
 RT: 13.88 min Scan# 2005
 Delta R.T. -0.01 min
 Lab File: BF117575.D
 Acq: 28 Oct 2019 21:24

Tgt Ion:228 Resp: 12489
 Ion Ratio Lower Upper
 228 100
 226 25.8 21.0 31.4
 229 24.5 16.4 24.6





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.32 min Scan# 2250

Delta R.T. -0.00 min

Lab File: BF117575.D

Acq: 28 Oct 2019 21:24

Instrument :

BNA_E

ClientSampleId :

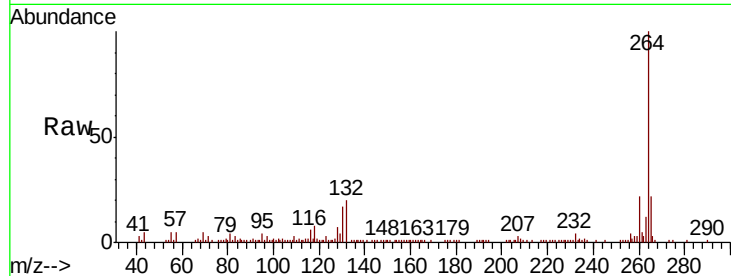
Tot Ion:264 Resp: 76475

Ion Ratio Lower Upper

264 100

260 21.9 18.4 27.6

265 22.3 16.1 24.1

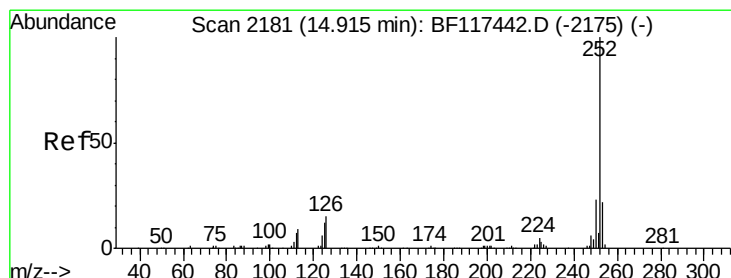
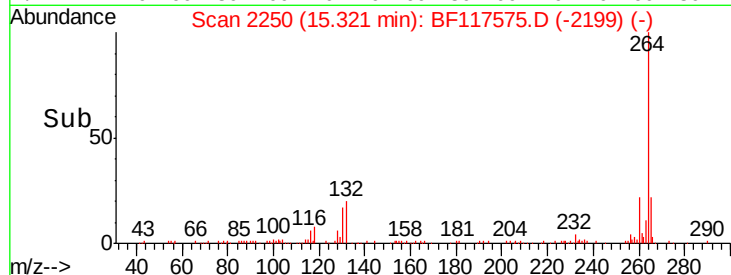
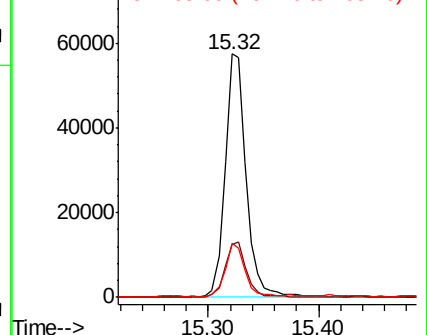


Abundance

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: 3.872 ng

RT: 14.92 min Scan# 2182

Delta R.T. 0.01 min

Lab File: BF117575.D

Acq: 28 Oct 2019 21:24

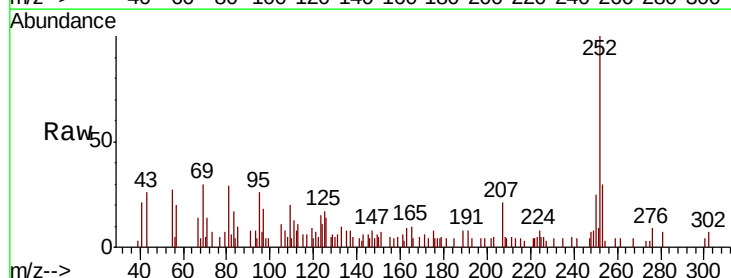
Tgt Ion:252 Resp: 17487

Ion Ratio Lower Upper

252 100

253 30.0 17.8 26.6#

125 16.8 9.9 14.9#

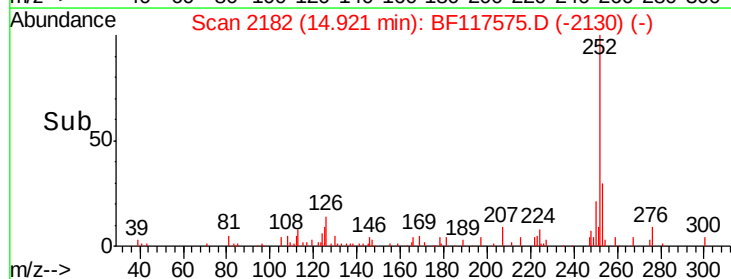
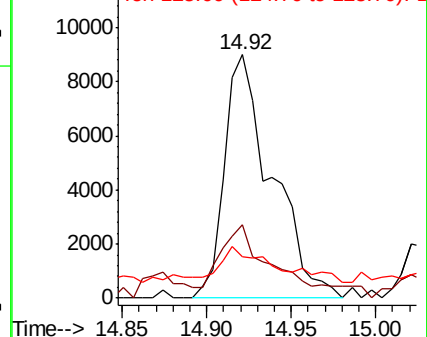


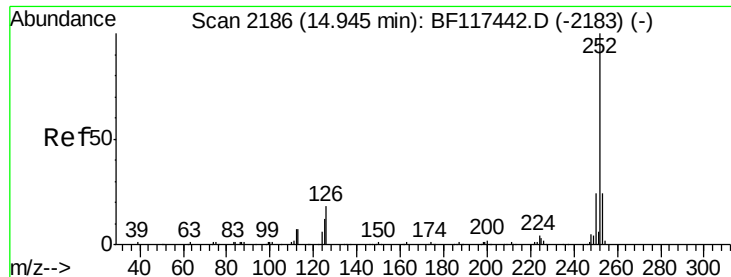
Abundance

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: 3.778 ng

RT: 14.92 min Scan# 2182

Delta R.T. -0.02 min

Lab File: BF117575.D

Acq: 28 Oct 2019 21:24

Instrument :

BNA_E

ClientSampleId :

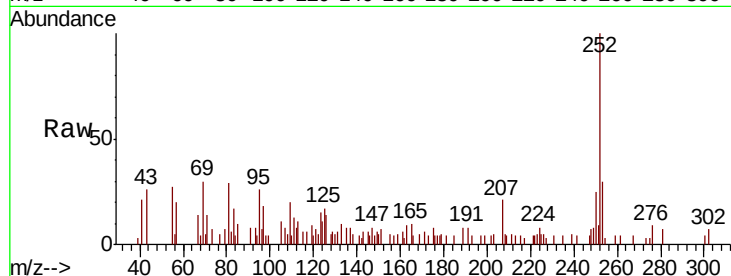
Tot Ion:252 Resp: 17487

Ion Ratio Lower Upper

252 100

253 30.0 18.0 27.0#

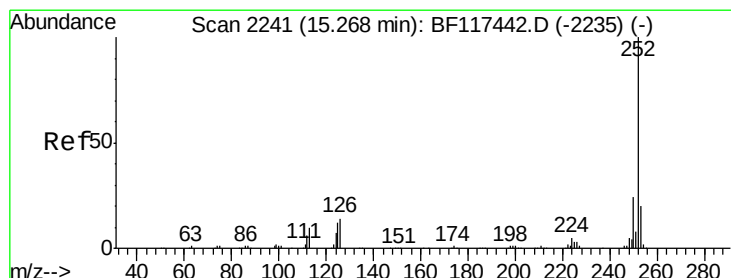
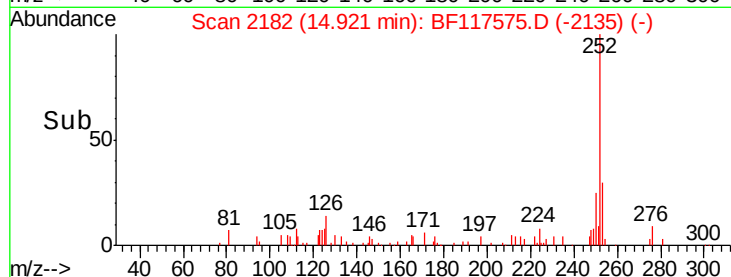
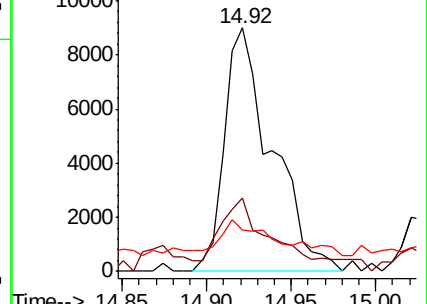
125 16.8 8.9 13.3#



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: 2.340 ng

RT: 15.27 min Scan# 2241

Delta R.T. -0.00 min

Lab File: BF117575.D

Acq: 28 Oct 2019 21:24

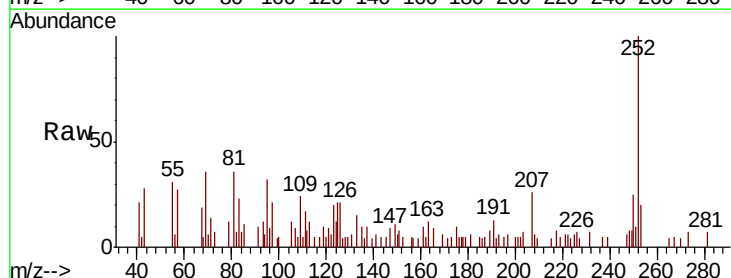
Tgt Ion:252 Resp: 9606

Ion Ratio Lower Upper

252 100

253 20.3 16.3 24.5

125 21.4 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

