

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111219\
 Data File : BF117766.D
 Acq On : 12 Nov 2019 18:16
 Operator : JU
 Sample : K5670-01 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-111119

Quant Time: Nov 13 01:14:31 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 12 13:32:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	264303	20.00	ng	0.00
21) Naphthalene-d8	8.21	136	990006	20.00	ng	0.00
39) Acenaphthene-d10	9.97	164	484569	20.00	ng	0.00
64) Phenanthrene-d10	11.46	188	812461	20.00	ng	0.00
76) Chrysene-d12	14.12	240	667493	20.00	ng	0.00
87) Perylene-d12	15.63	264	681477	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	570034	39.04	ng	0.00
7) Phenol-d6	6.54	99	709673	39.42	ng	0.00
23) Nitrobenzene-d5	7.48	82	410350	24.47	ng	-0.01
42) 2,4,6-Tribromophenol	10.76	330	170773	36.03	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	807852	32.89	ng	0.00
79) Terphenyl-d14	13.06	244	803890	24.79	ng	0.00

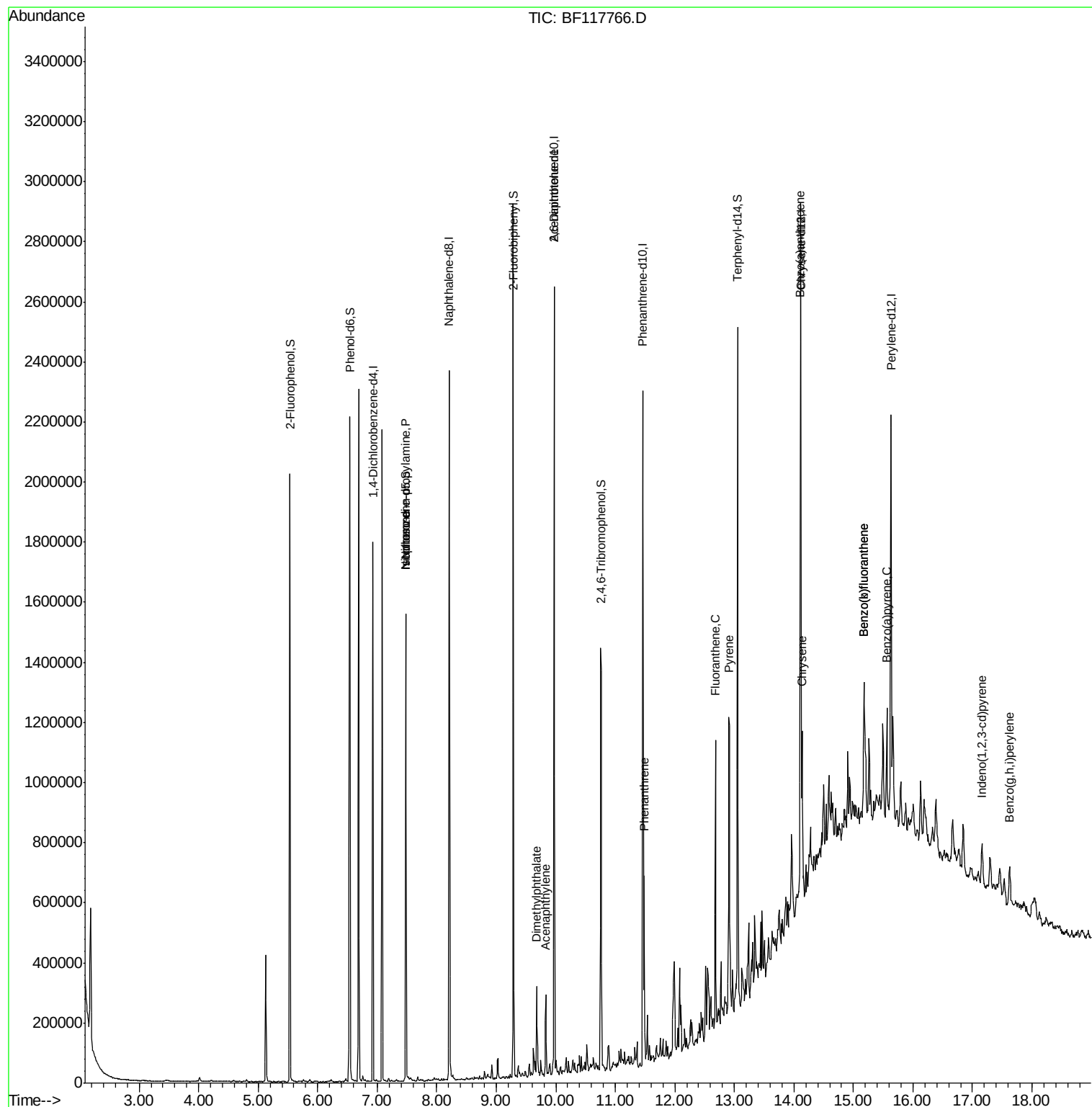
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.48	70	55248	4.667	ng	# 79
25) Isophorone	7.48	82	408443	12.735	ng	# 62
49) Acenaphthylene	9.83	152	98157	2.393	ng	97
50) Dimethylphthalate	9.68	163	92841	2.834	ng	99
51) 2,6-Dinitrotoluene	9.97	165	63057	8.596	ng	# 31
71) Phenanthrene	11.49	178	217963	5.597	ng	97
75) Fluoranthene	12.68	202	346487	8.714	ng	97
78) Pyrene	12.92	202	417954	8.578	ng	94
81) Benzo(a)anthracene	14.10	228	214875	5.172	ng	# 85
83) Chrysene	14.14	228	214663	5.232	ng	# 94
86) Indeno(1,2,3-cd)pyrene	17.16	276	94074	2.463	ng	95
88) Benzo(b)fluoranthene	15.18	252	332536	7.748	ng	# 96
89) Benzo(k)fluoranthene	15.18	252	332536	8.687	ng	# 97
90) Benzo(a)pyrene	15.56	252	185024	4.973	ng	96
92) Benzo(a,h,i)perylene	17.62	276	103836	3.211	ng	98

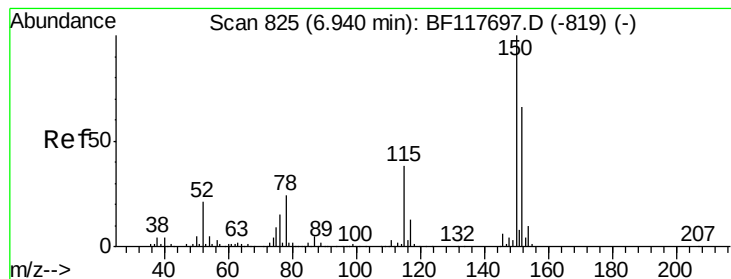
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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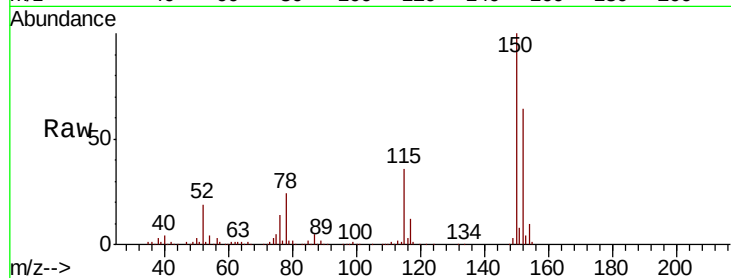


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 823
Delta R.T. 0.00 min
Lab File: BF117766.D
Acq: 12 Nov 2019 18:16

Instrument :
BNA_F
ClientSampleId :
OK-02-111119

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.1	126.6	190.0
115	56.5	47.6	71.4

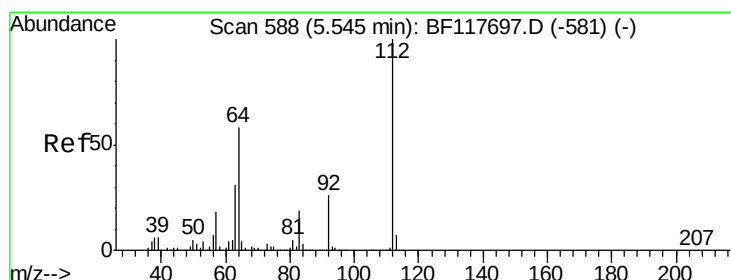
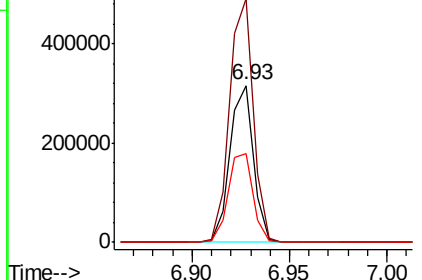
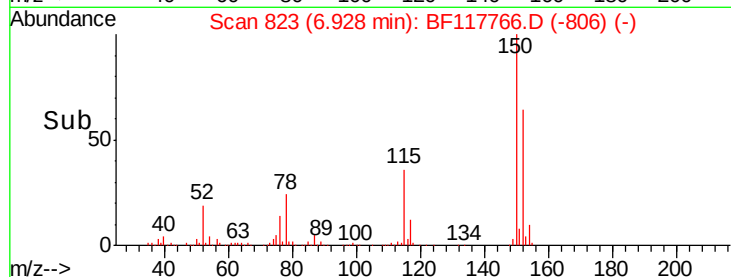


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

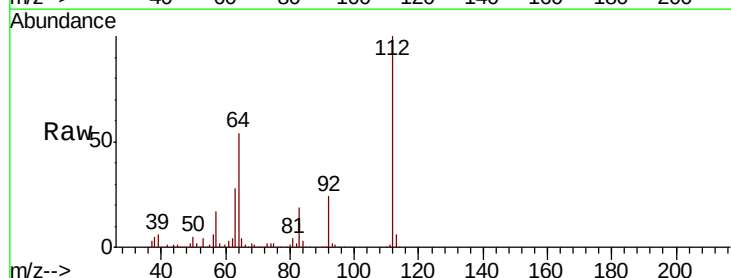
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 39.040 ng
RT: 5.53 min Scan# 586
Delta R.T. -0.01 min
Lab File: BF117766.D
Acq: 12 Nov 2019 18:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.9	43.5	65.3
63	28.4	23.5	35.3

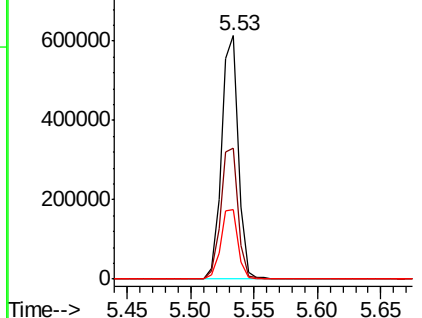
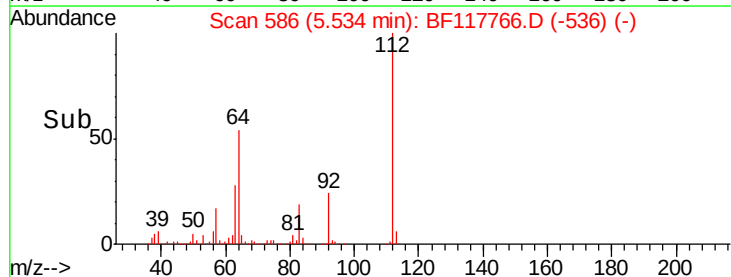


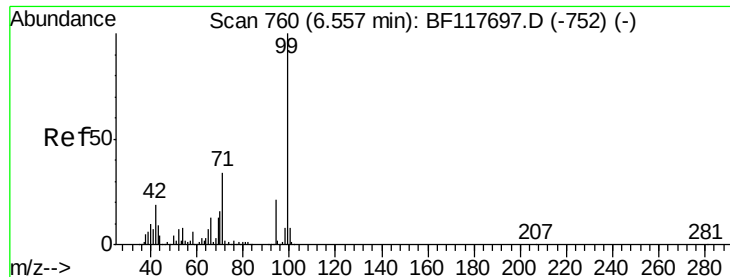
Abundance

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: 39.418 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF117766.D

Acq: 12 Nov 2019 18:16

Instrument :

BNA_F

ClientSampleId :

OK-02-111119

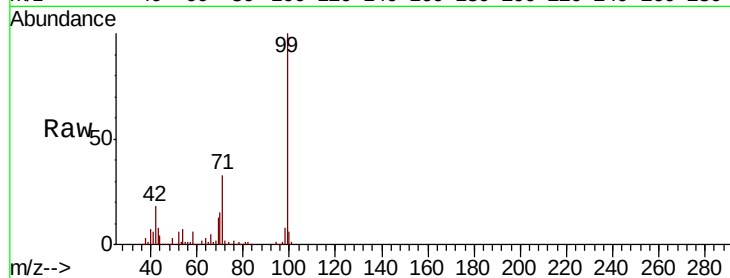
Tot Ion: 99 Resp: 709673

Ion Ratio Lower Upper

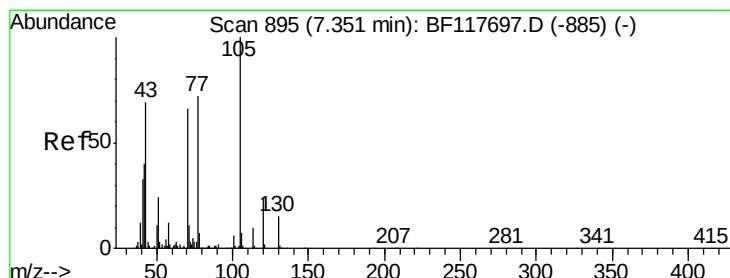
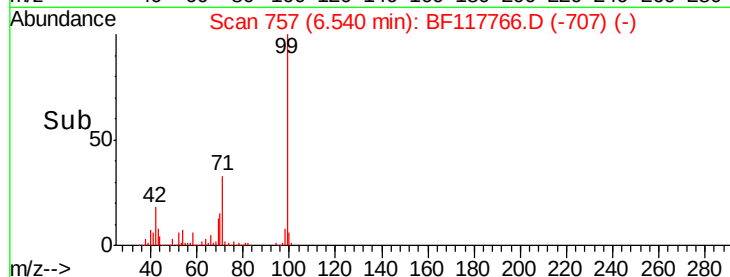
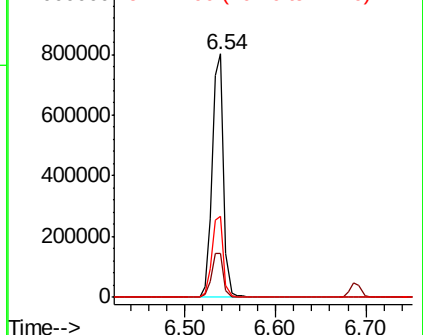
99 100

42 17.9 15.3 22.9

71 33.1 28.2 42.2



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: 4.667 ng

RT: 7.48 min Scan# 917

Delta R.T. 0.14 min

Lab File: BF117766.D

Acq: 12 Nov 2019 18:16

Tgt Ion: 70 Resp: 55248

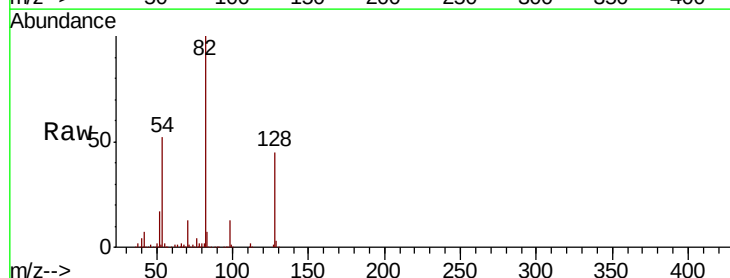
Ion Ratio Lower Upper

70 100

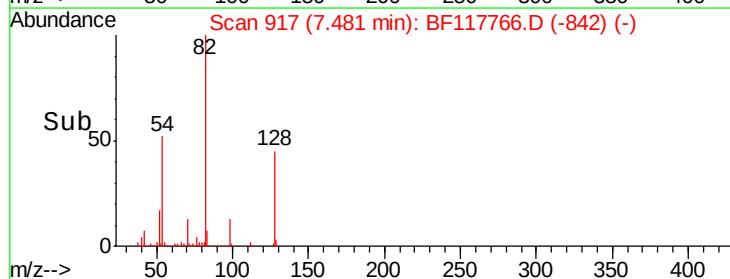
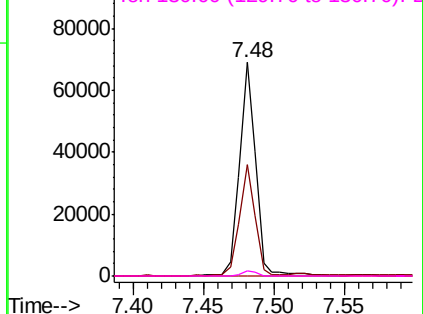
42 51.9 48.7 73.1

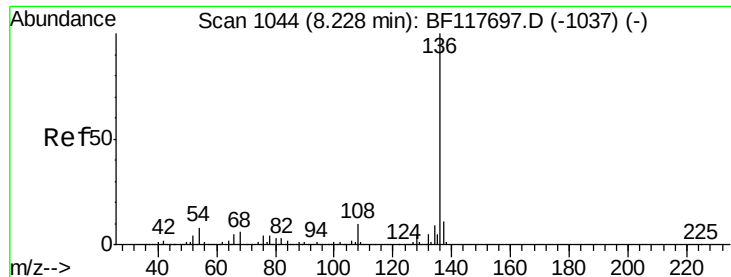
101 0.0 8.4 12.6#

130 2.2 18.4 27.6#



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): BF1
Ion 130.00 (129.70 to 130.70): BF1

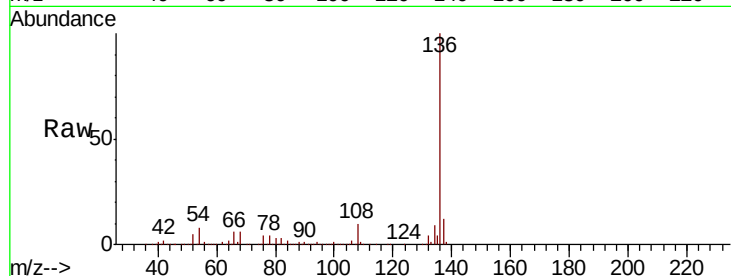




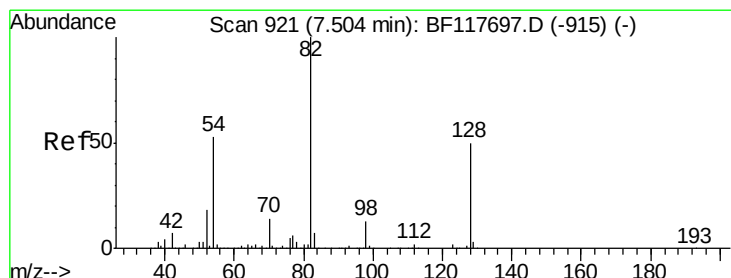
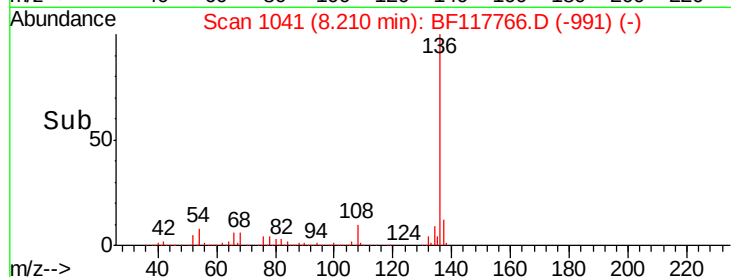
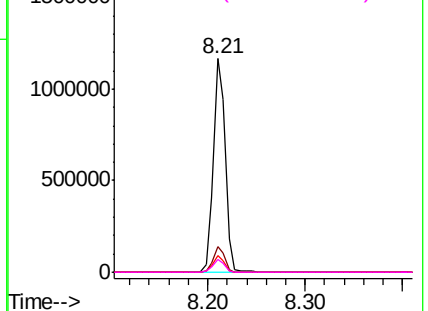
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.21 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BF117766.D
Acq: 12 Nov 2019 18:16

Instrument :
BNA_F
ClientSampleId :
OK-02-111119

Tot Ion:136	Resp:	990006
Ion Ratio	Lower	Upper
136 100		
137 11.8	9.0	13.6
54 7.9	6.1	9.1
68 5.9	4.6	7.0

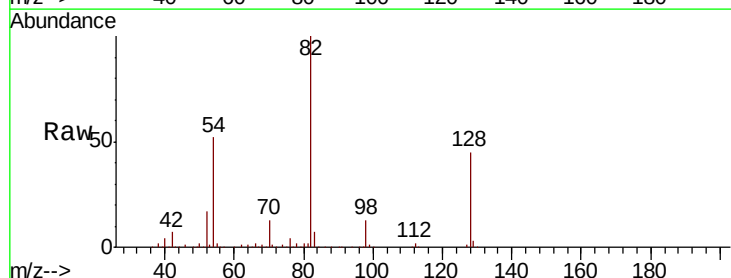


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

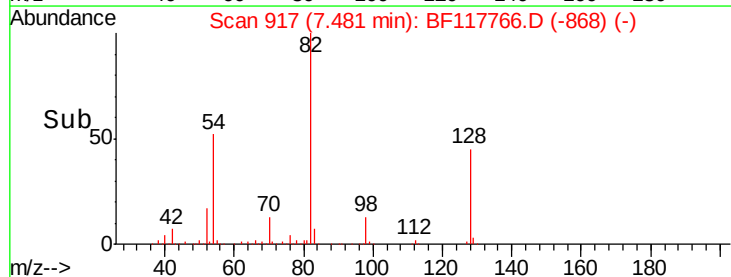
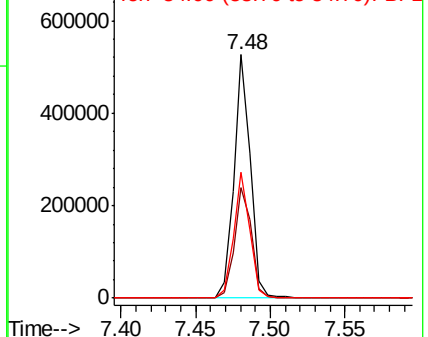


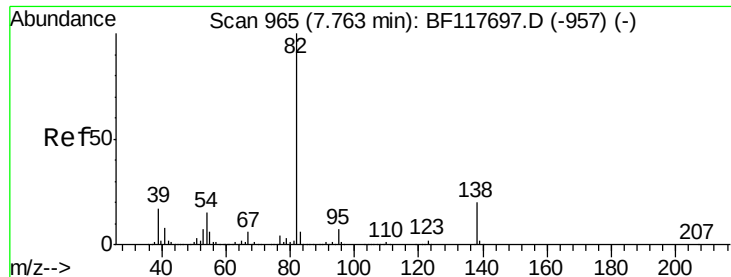
#23
Nitrobenzene-d5
Concen: 24.471 ng
RT: 7.48 min Scan# 917
Delta R.T. -0.01 min
Lab File: BF117766.D
Acq: 12 Nov 2019 18:16

Tgt Ion: 82	Resp: 410350
Ion Ratio	Lower Upper
82 100	
128 45.3	38.7 58.1
54 51.9	41.4 62.2



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: 12.735 ng

RT: 7.48 min Scan# 917

Delta R.T. -0.27 min

Lab File: BF117766.D

Acq: 12 Nov 2019 18:16

Instrument :

BNA_F

ClientSampleId :

OK-02-111119

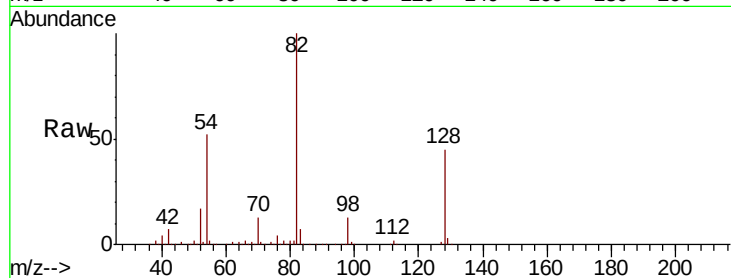
Tot Ion: 82 Resp: 408443

Ion Ratio Lower Upper

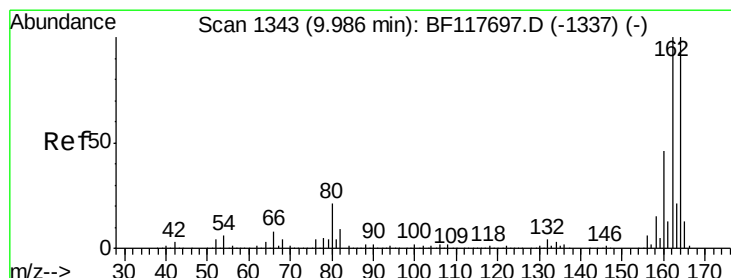
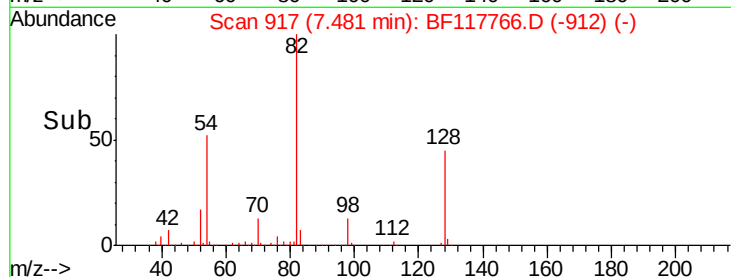
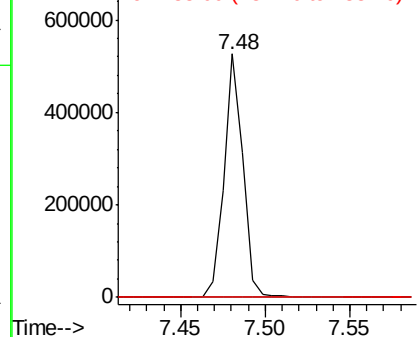
82 100

95 0.0 6.0 9.0#

138 0.0 16.0 24.0#



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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.97 min Scan# 1341

Delta R.T. -0.01 min

Lab File: BF117766.D

Acq: 12 Nov 2019 18:16

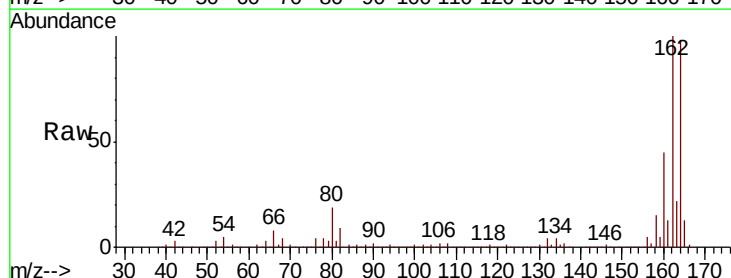
Tgt Ion:164 Resp: 484569

Ion Ratio Lower Upper

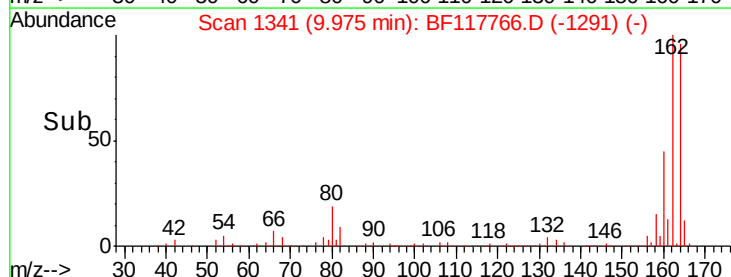
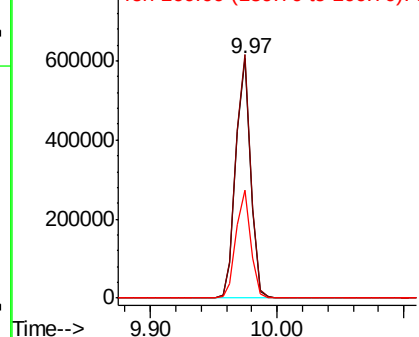
164 100

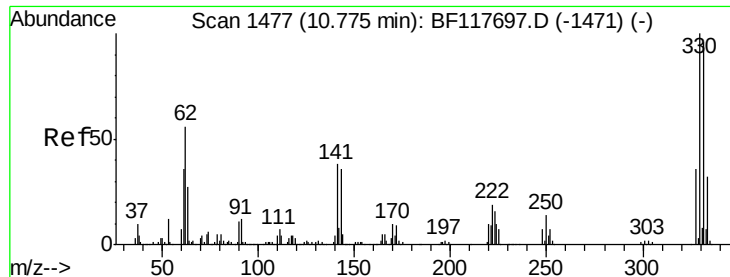
162 101.7 81.2 121.8

160 45.3 36.3 54.5



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: 36.027 ng

RT: 10.76 min Scan# 1475

Delta R.T. -0.01 min

Lab File: BF117766.D

Acq: 12 Nov 2019 18:16

Instrument :

BNA_F

ClientSampleId :

OK-02-111119

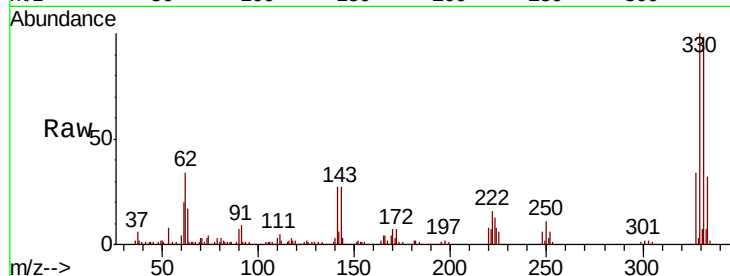
Tot Ion:330 Resp: 170773

Ion Ratio Lower Upper

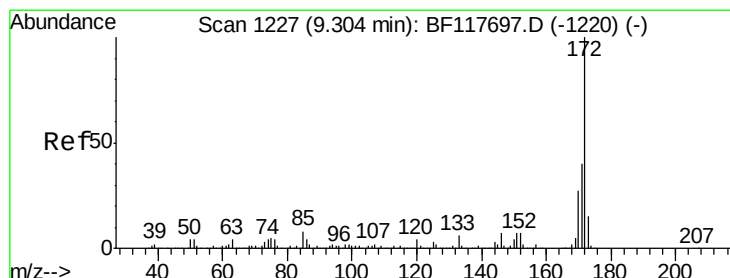
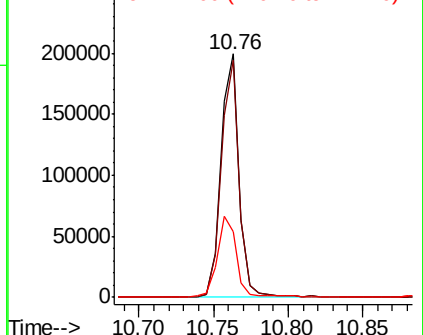
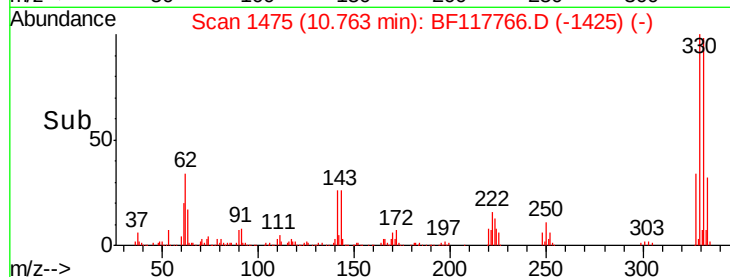
330 100

332 96.5 76.9 115.3

141 33.7 26.5 39.7



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: 32.893 ng

RT: 9.29 min Scan# 1224

Delta R.T. -0.01 min

Lab File: BF117766.D

Acq: 12 Nov 2019 18:16

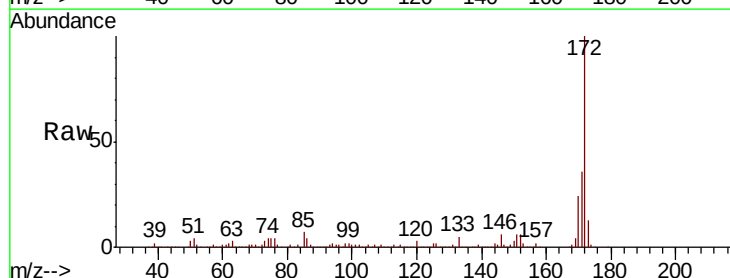
Tgt Ion:172 Resp: 807852

Ion Ratio Lower Upper

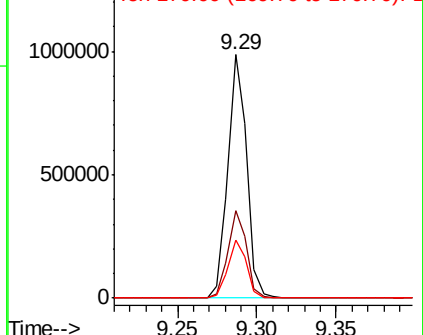
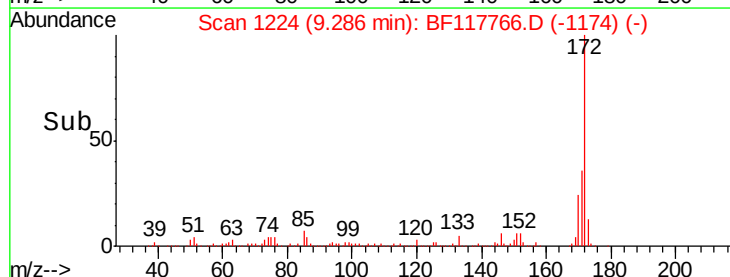
172 100

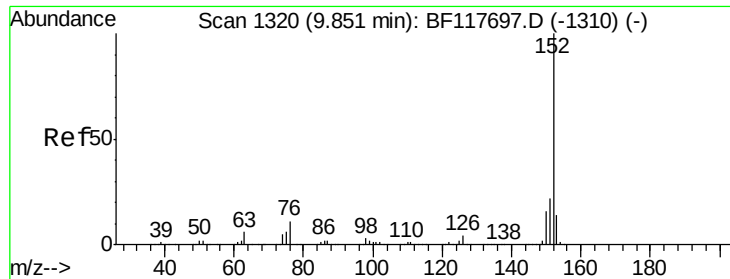
171 35.9 30.7 46.1

170 23.7 20.6 30.8



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





#49

Acenaphthylene

Concen: 2.393 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF117766.D

Acq: 12 Nov 2019 18:16

Instrument :

BNA_F

ClientSampleId :

OK-02-111119

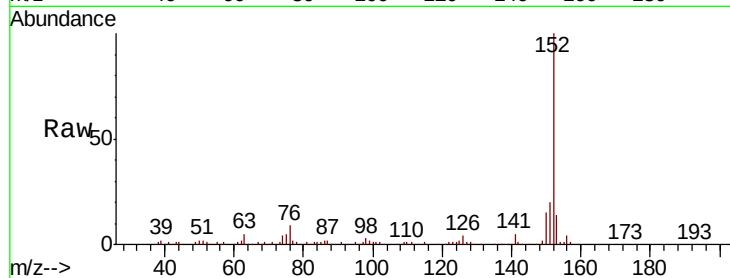
Tot Ion:152 Resp: 98157

Ion Ratio Lower Upper

152 100

151 20.5 17.5 26.3

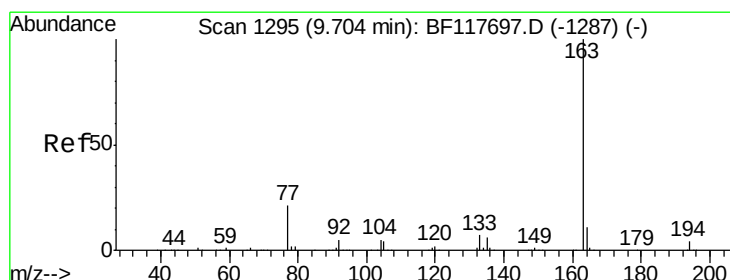
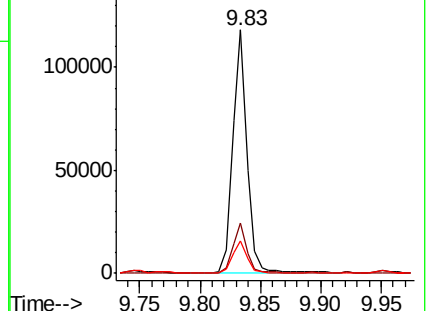
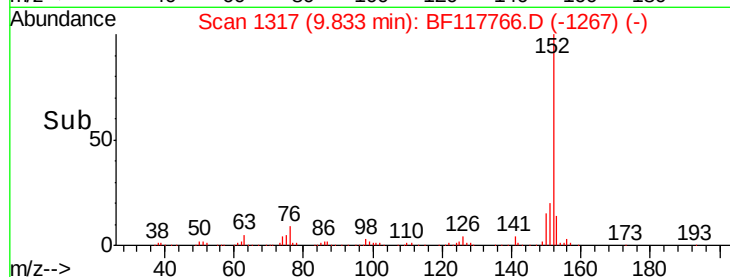
153 13.6 11.7 17.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 2.834 ng

RT: 9.68 min Scan# 1291

Delta R.T. -0.01 min

Lab File: BF117766.D

Acq: 12 Nov 2019 18:16

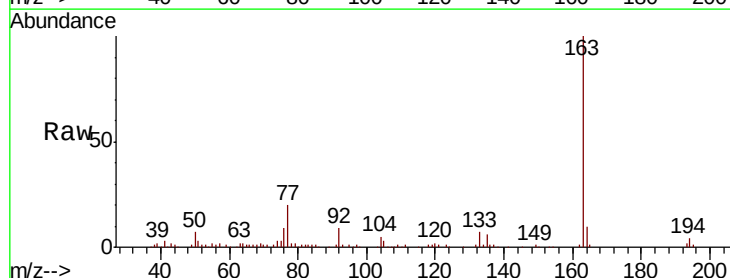
Tgt Ion:163 Resp: 92841

Ion Ratio Lower Upper

163 100

194 4.1 3.2 4.8

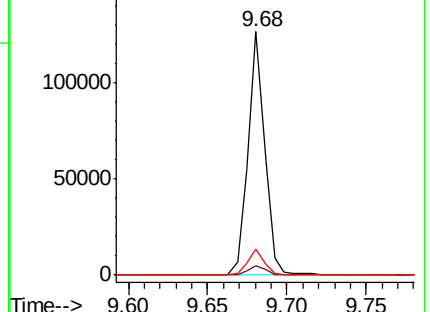
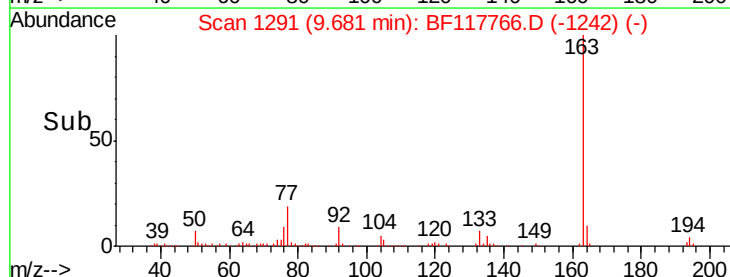
164 10.4 8.6 13.0

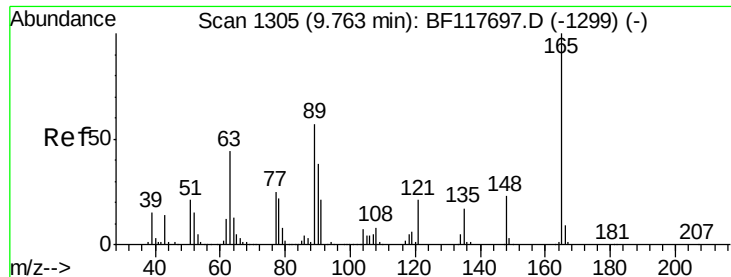


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

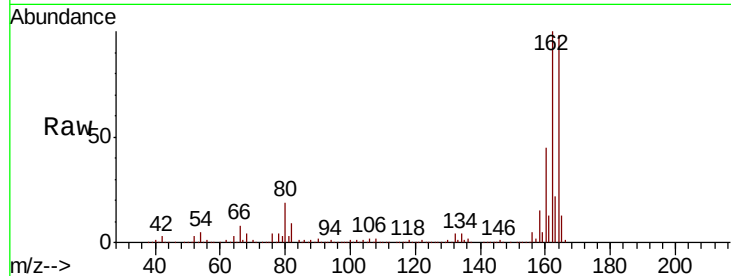




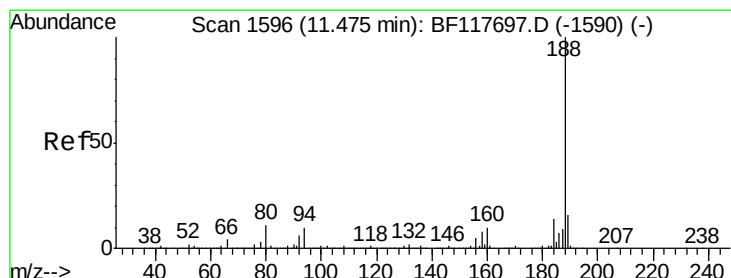
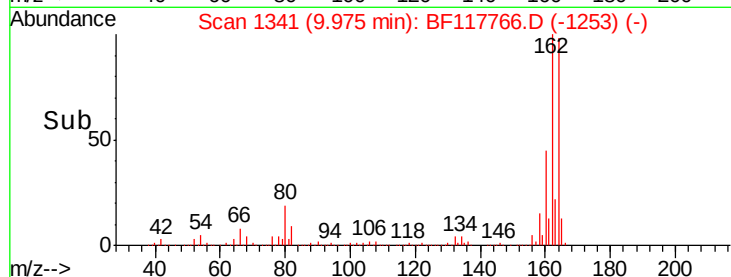
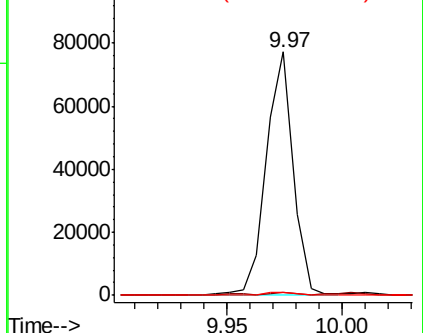
#51
 2,6-Dinitrotoluene
 Concen: 8.596 ng
 RT: 9.97 min Scan# 1341
 Delta R.T. 0.22 min
 Lab File: BF117766.D
 Acq: 12 Nov 2019 18:16

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-111119

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	36.6	55.0#
89	1.4	39.2	58.8#

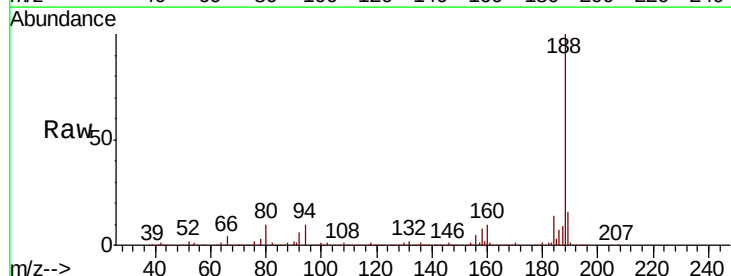


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

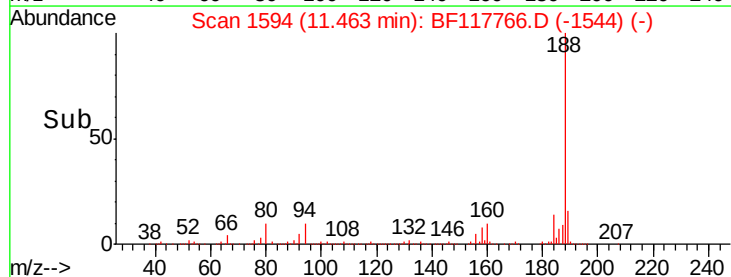
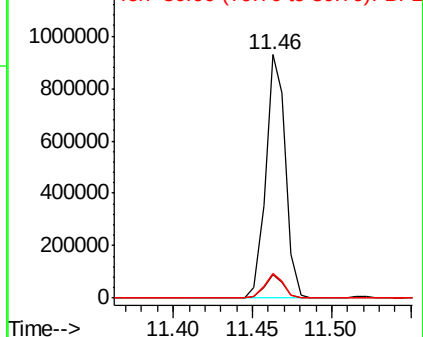


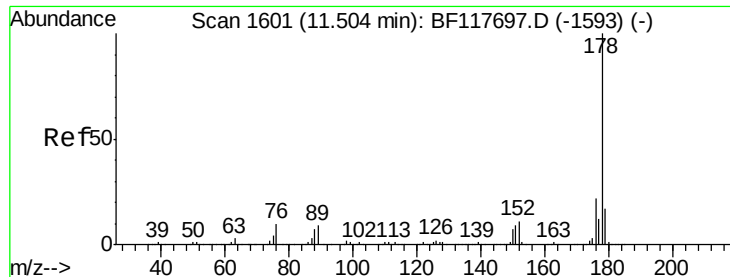
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.46 min Scan# 1594
 Delta R.T. -0.01 min
 Lab File: BF117766.D
 Acq: 12 Nov 2019 18:16

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.7	7.4	11.2
80	10.1	8.1	12.1



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

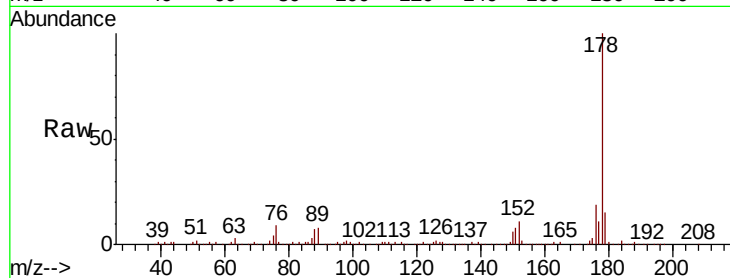




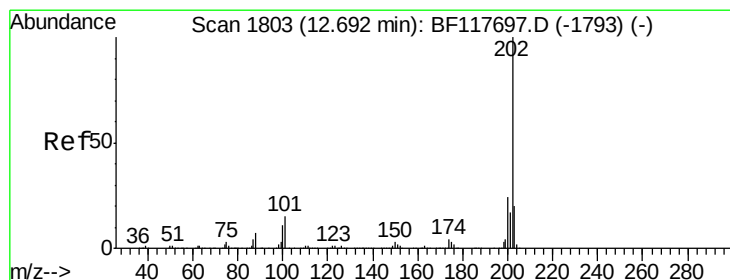
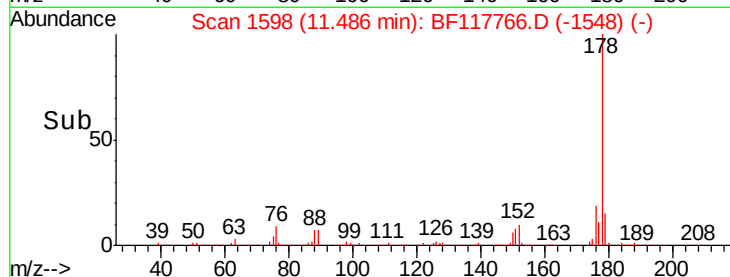
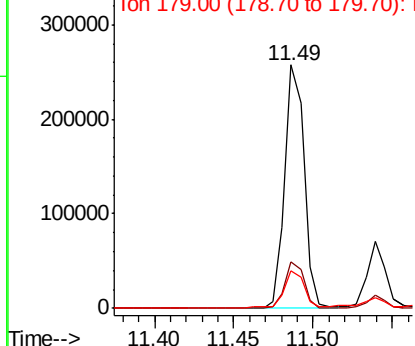
#71
Phenanthrene
Concen: 5.597 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.01 min
Lab File: BF117766.D
Acq: 12 Nov 2019 18:16

Instrument :
BNA_F
ClientSampleId :
OK-02-111119

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.8	25.2
179	15.5	13.5	20.3

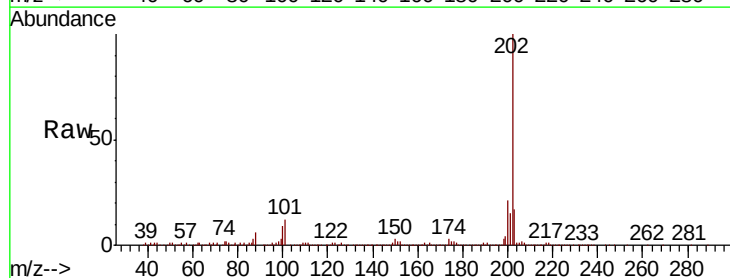


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

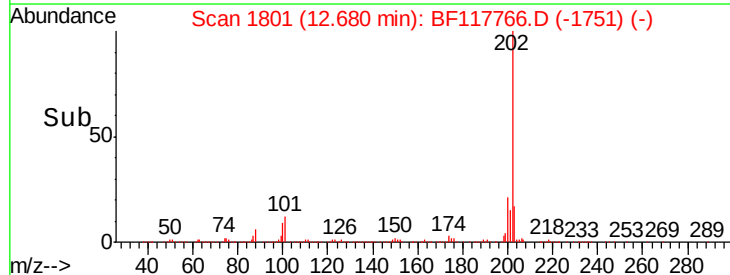
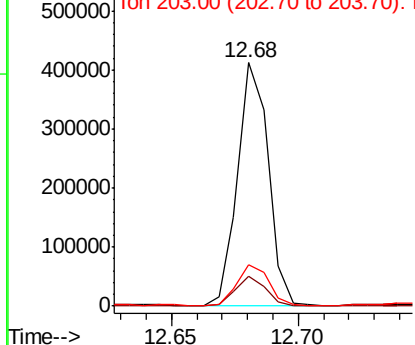


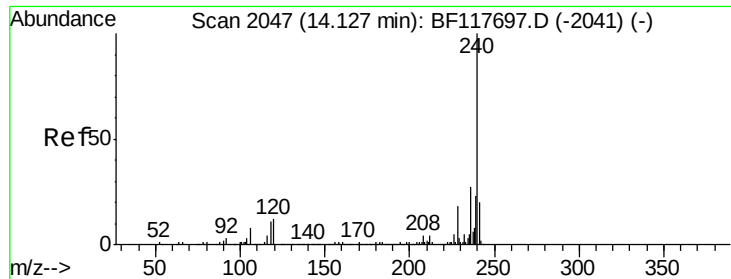
#75
Fluoranthene
Concen: 8.714 ng
RT: 12.68 min Scan# 1801
Delta R.T. -0.01 min
Lab File: BF117766.D
Acq: 12 Nov 2019 18:16

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	32.5
203	16.9	0.0	38.9



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

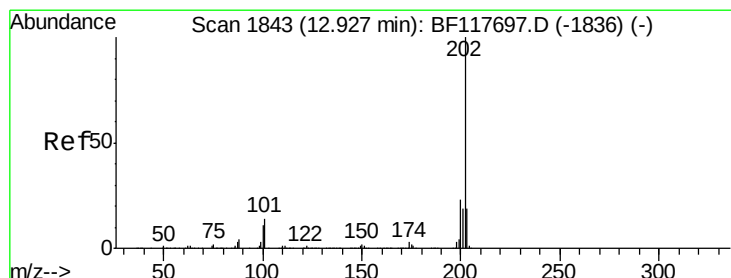
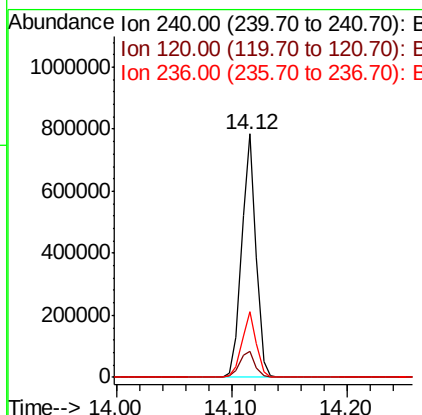
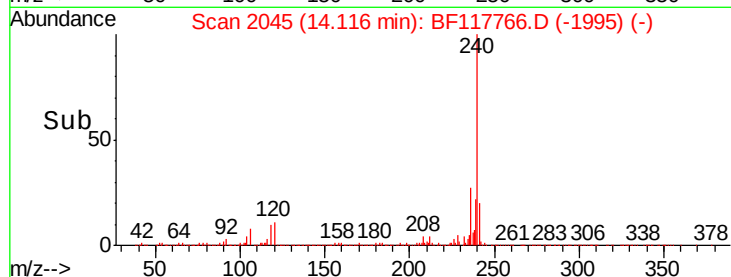
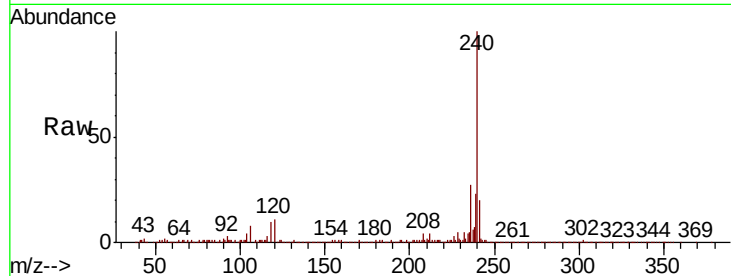




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.12 min Scan# 2045
Delta R.T. -0.01 min
Lab File: BF117766.D
Acq: 12 Nov 2019 18:16

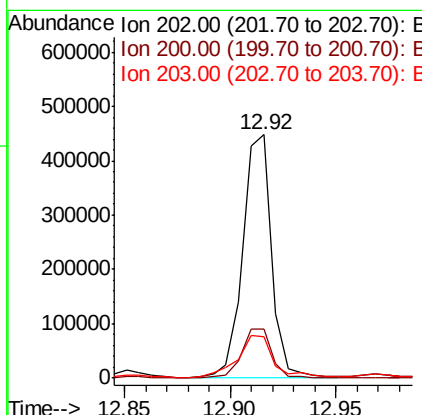
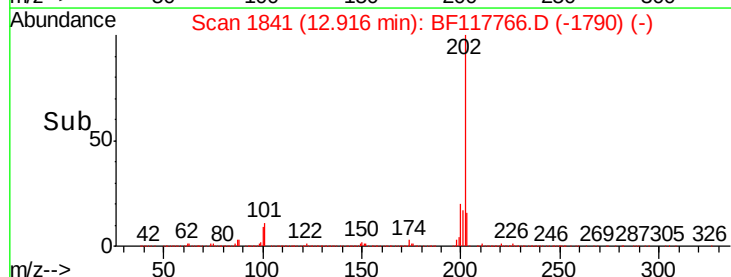
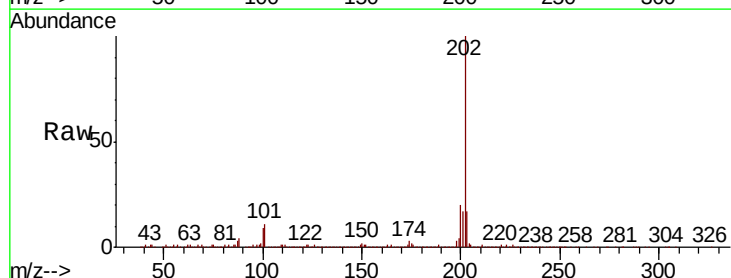
Instrument :
BNA_F
ClientSampleId :
OK-02-111119

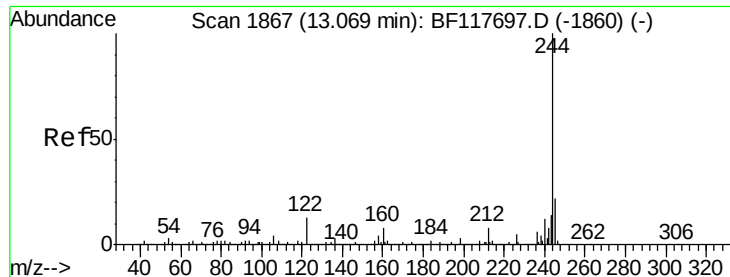
Tot Ion:240 Resp: 667493
Ion Ratio Lower Upper
240 100
120 10.9 9.3 13.9
236 26.7 21.4 32.0



#78
Pyrene
Concen: 8.578 ng
RT: 12.92 min Scan# 1841
Delta R.T. 0.00 min
Lab File: BF117766.D
Acq: 12 Nov 2019 18:16

Tgt Ion:202 Resp: 417954
Ion Ratio Lower Upper
202 100
200 20.3 18.9 28.3
203 17.1 15.3 22.9





#79

Terphenyl-d14

Concen: 24.792 ng

RT: 13.06 min Scan# 1865

Delta R.T. -0.01 min

Lab File: BF117766.D

Acq: 12 Nov 2019 18:16

Instrument :

BNA_F

ClientSampleId :

OK-02-111119

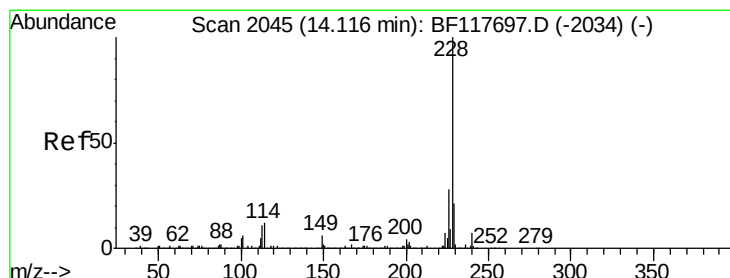
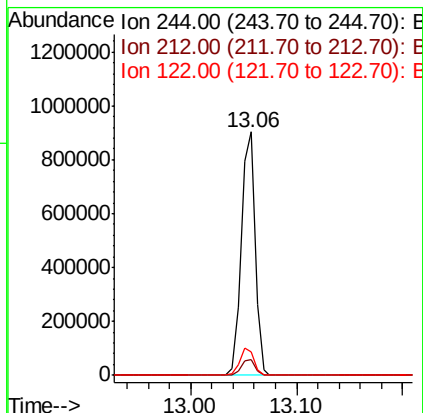
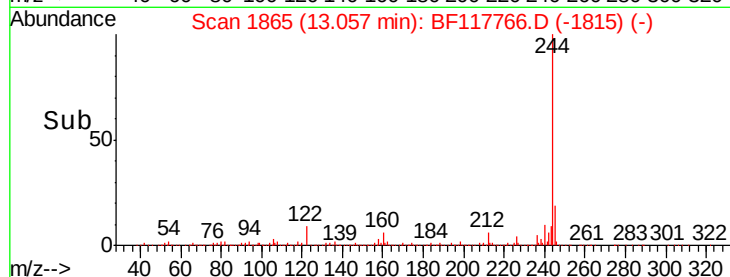
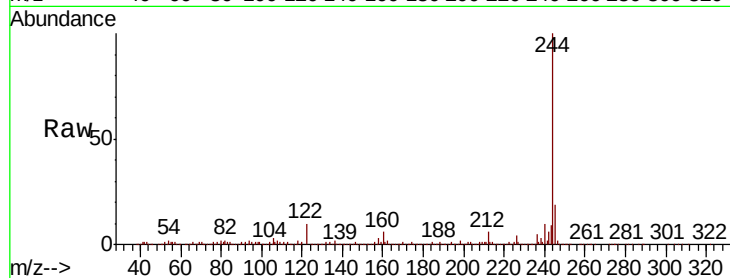
Tot Ion:244 Resp: 803890

Ion Ratio Lower Upper

244 100

212 6.3 6.2 9.4

122 9.5 9.1 13.7



#81

Benzo(a)anthracene

Concen: 5.172 ng

RT: 14.10 min Scan# 2043

Delta R.T. -0.01 min

Lab File: BF117766.D

Acq: 12 Nov 2019 18:16

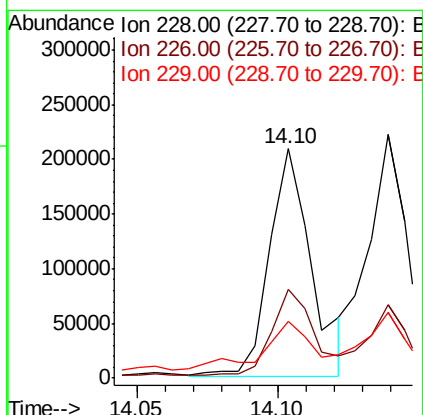
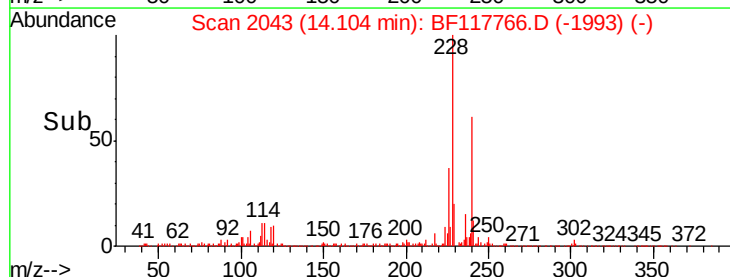
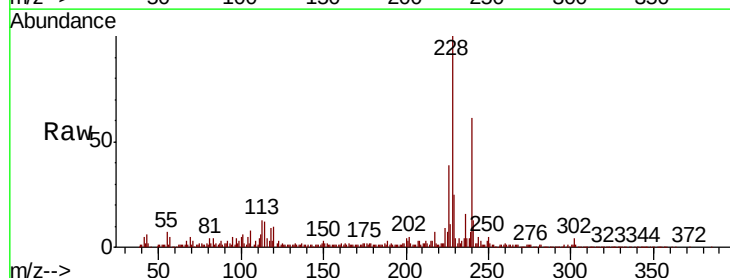
Tgt Ion:228 Resp: 214875

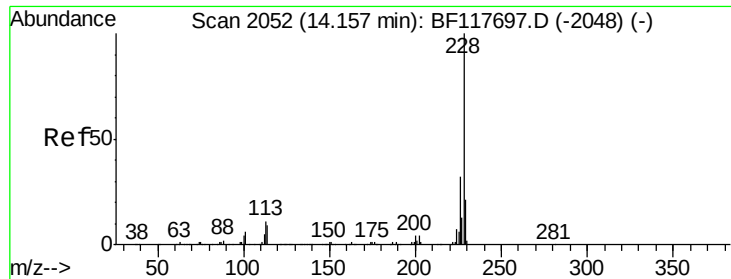
Ion Ratio Lower Upper

228 100

226 38.9 22.6 33.8#

229 24.5 17.0 25.4

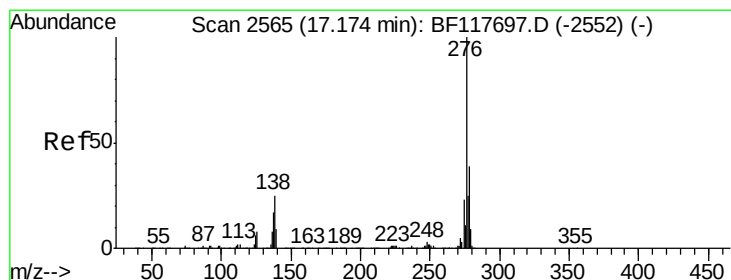
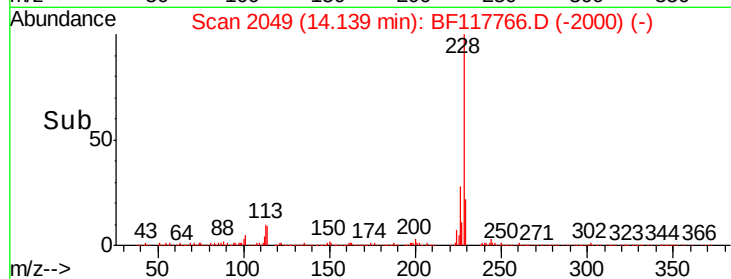
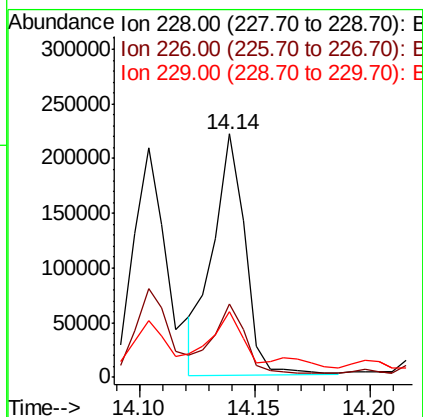
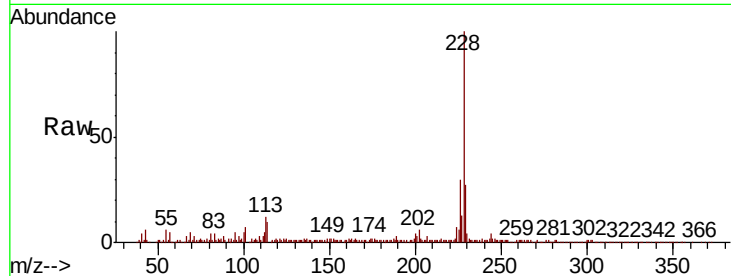




#83
Chrysene
Concen: 5.232 ng
RT: 14.14 min Scan# 2049
Delta R.T. -0.01 min
Lab File: BF117766.D
Acq: 12 Nov 2019 18:16

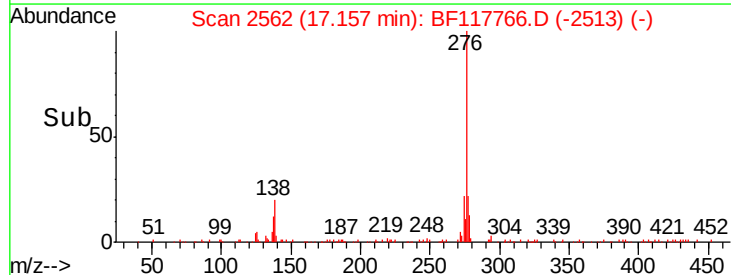
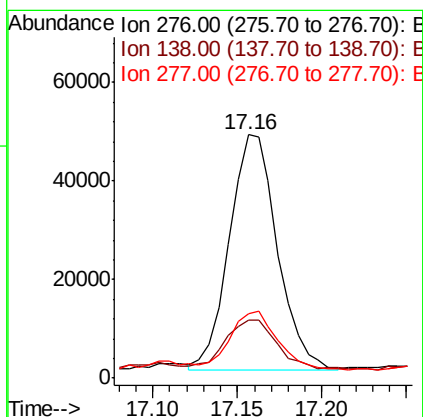
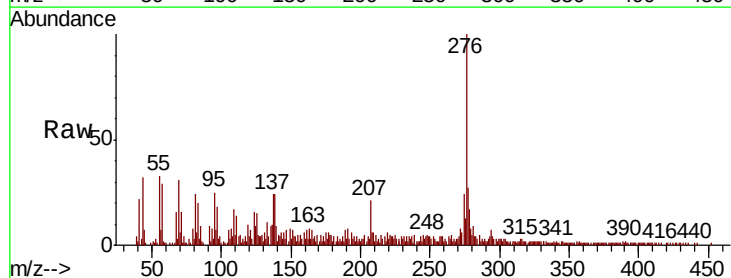
Instrument :
BNA_F
ClientSampleId :
OK-02-111119

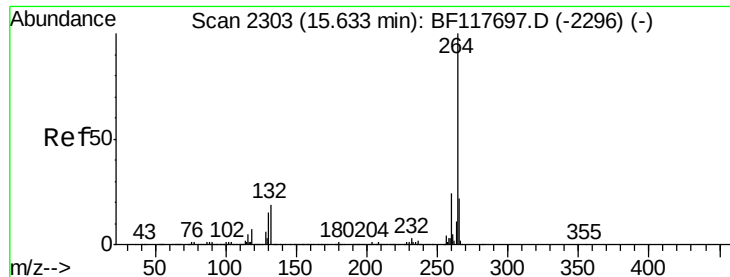
Tot Ion:228 Resp: 214663
Ion Ratio Lower Upper
228 100
226 30.2 25.1 37.7
229 26.8 16.6 25.0#



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.463 ng
RT: 17.16 min Scan# 2562
Delta R.T. -0.01 min
Lab File: BF117766.D
Acq: 12 Nov 2019 18:16

Tgt Ion:276 Resp: 94074
Ion Ratio Lower Upper
276 100
138 22.8 21.2 31.8
277 24.1 20.1 30.1



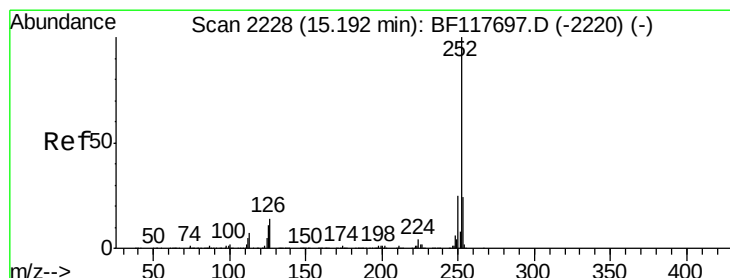
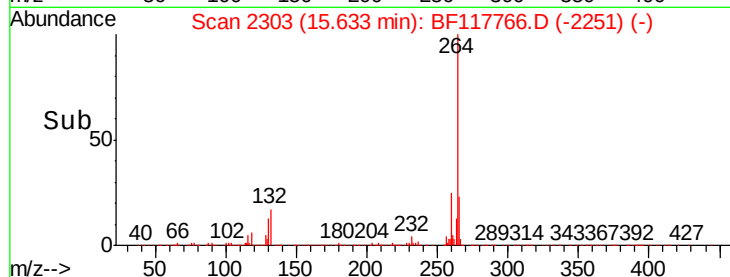
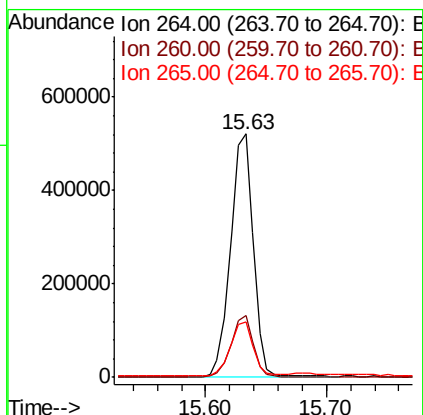
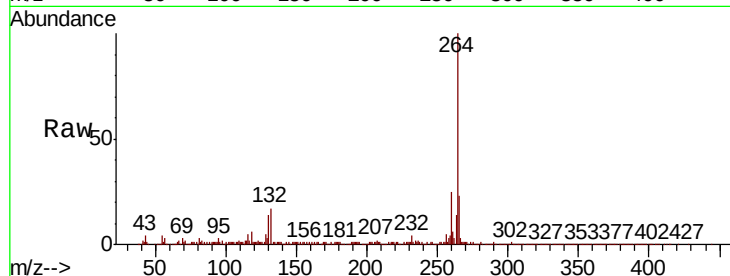


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.63 min Scan# 2303
Delta R.T. 0.01 min
Lab File: BF117766.D
Acq: 12 Nov 2019 18:16

Instrument :
BNA_F
ClientSampleId :
OK-02-111119

Tot Ion:264 Resp: 681477

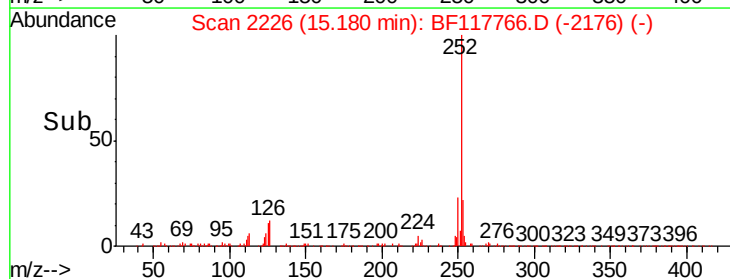
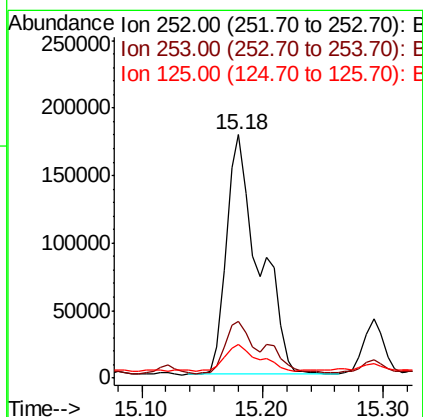
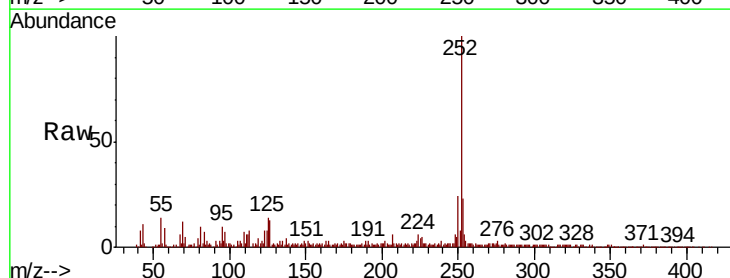
Ion	Ratio	Lower	Upper
264	100		
260	25.4	19.0	28.6
265	22.9	17.2	25.8

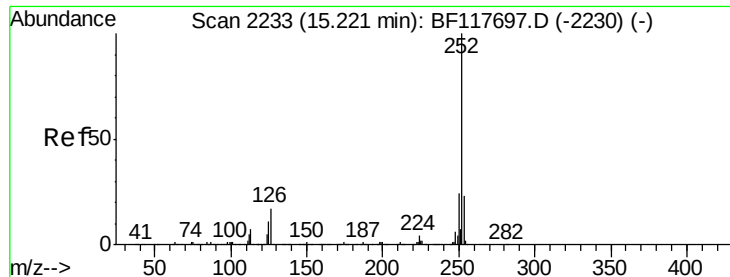


#88
Benzo(b)fluoranthene
Concen: 7.748 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF117766.D
Acq: 12 Nov 2019 18:16

Tgt Ion:252 Resp: 332536

Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.3	27.5
125	14.0	8.4	12.6





#89

Benzo(k)fluoranthene

Concen: 8.687 ng

RT: 15.18 min Scan# 2226

Delta R.T. -0.04 min

Lab File: BF117766.D

Acq: 12 Nov 2019 18:16

Instrument :

BNA_F

ClientSampleId :

OK-02-111119

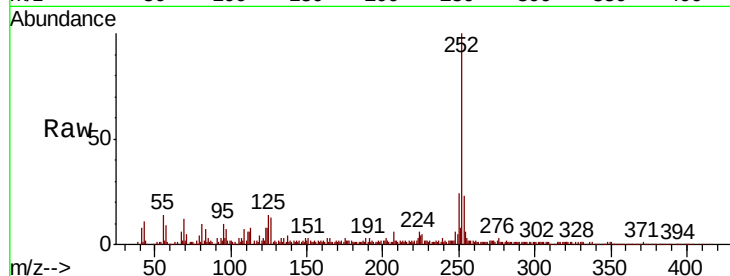
Tot Ion:252 Resp: 332536

Ion Ratio Lower Upper

252 100

253 23.4 18.6 28.0

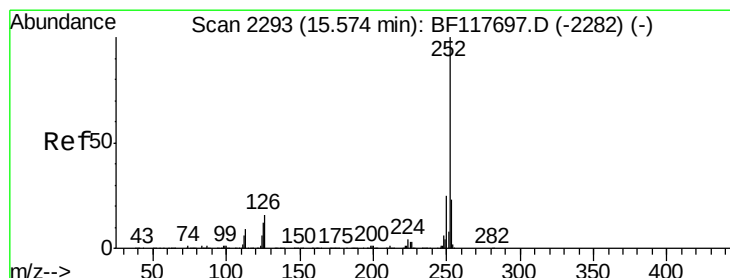
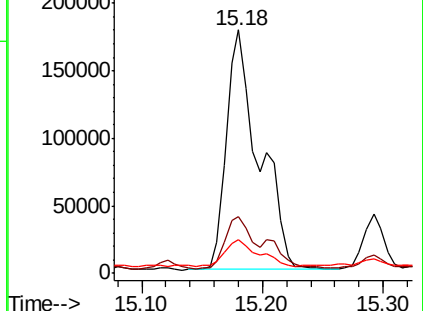
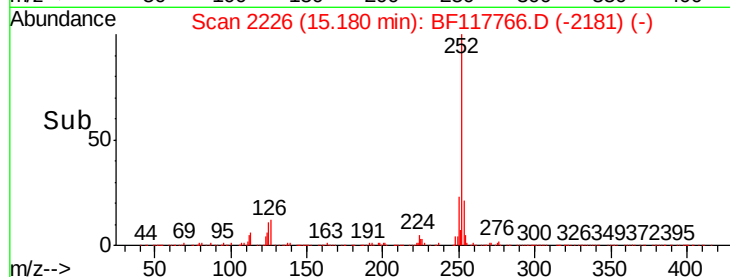
125 14.0 8.9 13.3#



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: 4.973 ng

RT: 15.56 min Scan# 2291

Delta R.T. -0.01 min

Lab File: BF117766.D

Acq: 12 Nov 2019 18:16

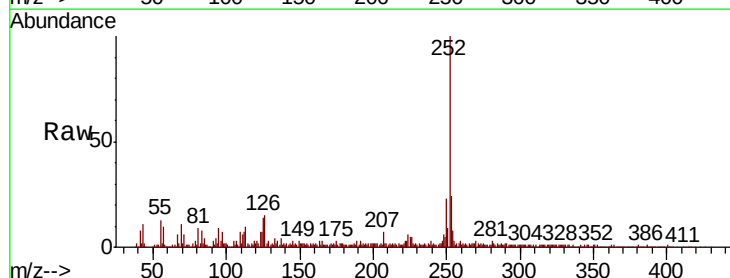
Tgt Ion:252 Resp: 185024

Ion Ratio Lower Upper

252 100

253 24.5 18.2 27.2

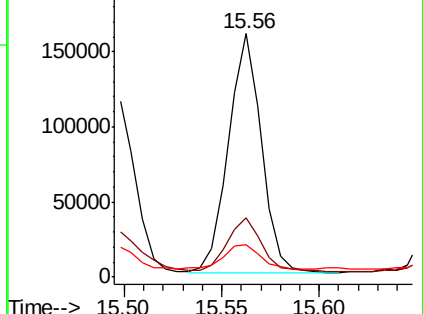
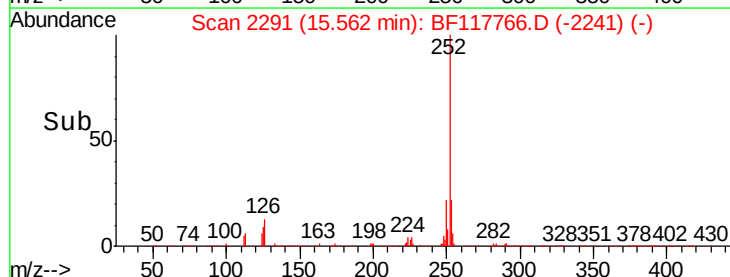
125 13.5 9.6 14.4

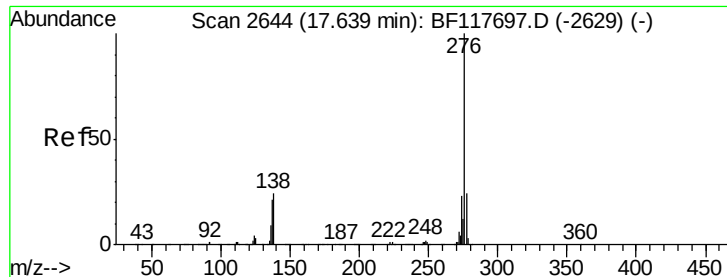


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

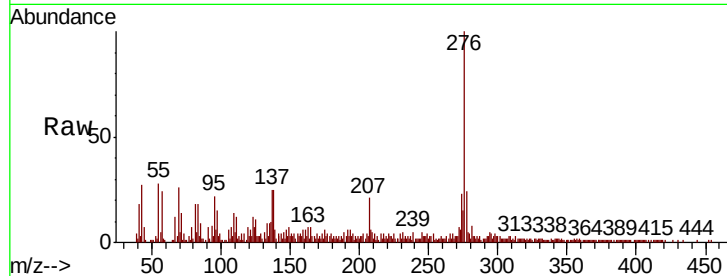




#92
 Benzo(a,h,i)perylene
 Concen: 3.211 ng
 RT: 17.62 min Scan# 2641
 Delta R.T. -0.01 min
 Lab File: BF117766.D
 Acq: 12 Nov 2019 18:16

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-111119

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.0	28.6
138	24.7	18.6	27.8



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

