

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF110719\
 Data File : BF117721.D
 Acq On : 7 Nov 2019 22:42
 Operator : JU
 Sample : K5722-04
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 4-D

Quant Time: Nov 08 01:27:53 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 06 17:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	313753	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	1210856	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	623800	20.00	ng	0.00
64) Phenanthrene-d10	11.47	188	1115001	20.00	ng	0.00
76) Chrysene-d12	14.12	240	732380	20.00	ng	0.00
87) Perylene-d12	15.63	264	891652	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.55	112	1830456	105.61	ng	0.00
7) Phenol-d6	6.55	99	2325619	108.82	ng	0.00
23) Nitrobenzene-d5	7.49	82	1406547	68.58	ng	-0.01
42) 2,4,6-Tribromophenol	10.77	330	652870	106.99	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	2575050	81.45	ng	0.00
79) Terphenyl-d14	13.06	244	2540656	71.41	ng	0.00

Target Compounds

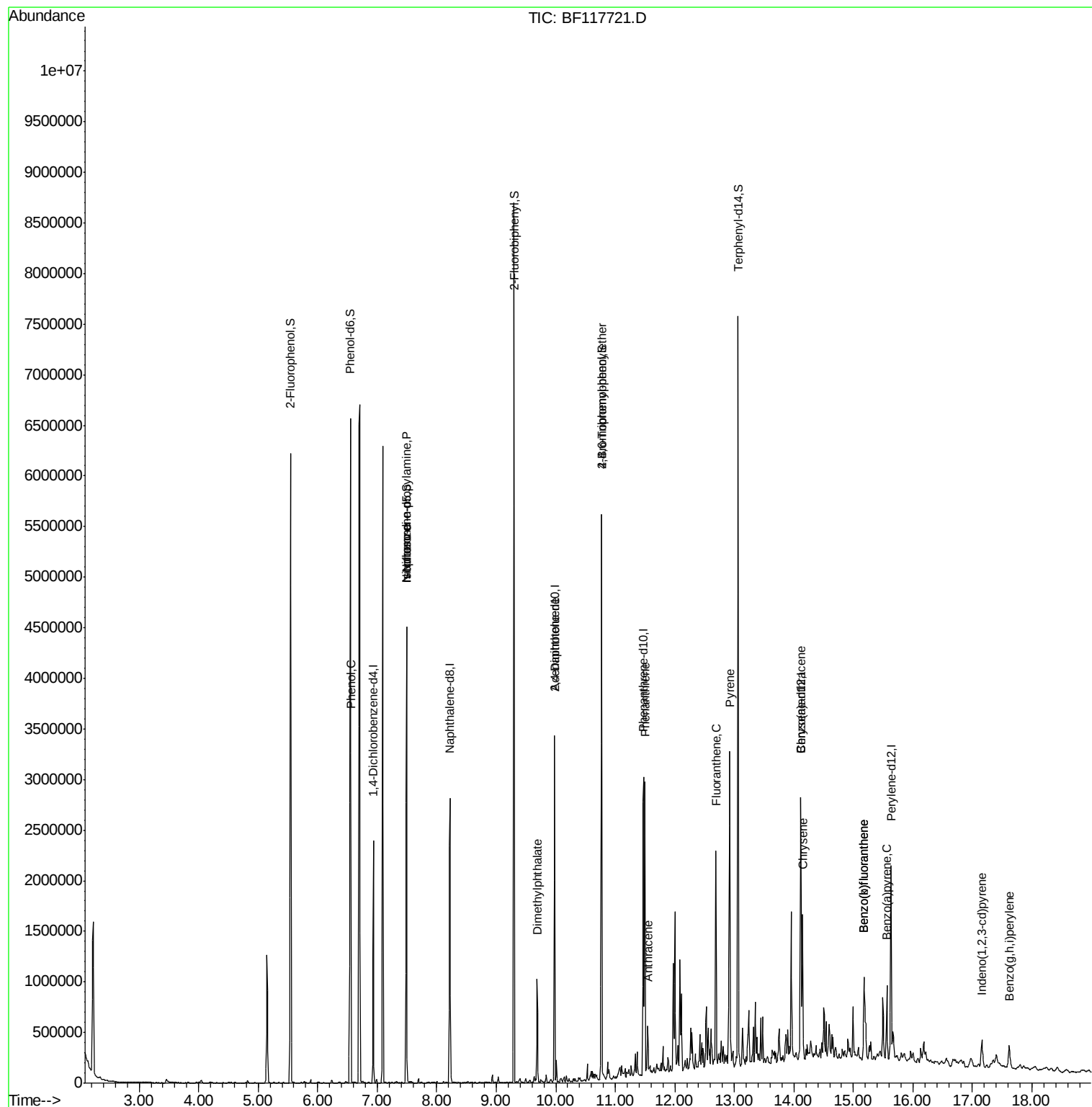
						Qvalue
10) Phenol	6.56	94	82408	3.578	ng	97
19) n-Nitroso-di-n-propylamine	7.49	70	193590	13.776	ng	# 76
25) Isophorone	7.49	82	1403256	35.773	ng	# 62
50) Dimethylphthalate	9.69	163	361869	8.581	ng	98
57) 2,4-Dinitrotoluene	9.98	165	82589	6.818	ng	# 28
67) 4-Bromophenyl-phenylether	10.77	248	40880	3.357	ng	# 1
71) Phenanthrene	11.50	178	1012149	18.938	ng	95
72) Anthracene	11.54	178	142683	2.683	ng	95
75) Fluoranthene	12.69	202	810537	14.853	ng	95
78) Pyrene	12.92	202	1200960	22.463	ng	97
81) Benzo(a)anthracene	14.11	228	485736	10.655	ng	98
83) Chrysene	14.14	228	534246	11.867	ng	98
86) Indeno(1,2,3-cd)pyrene	17.16	276	173937	4.151	ng	96
88) Benzo(b)fluoranthene	15.18	252	587181	10.456	ng	99
89) Benzo(k)fluoranthene	15.18	252	587181	11.723	ng	98
90) Benzo(a)pyrene	15.56	252	354149	7.275	ng	99
92) Benzo(g,h,i)perylene	17.62	276	182625	4.316	ng	98

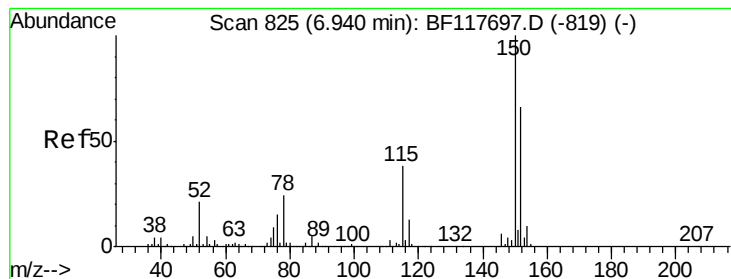
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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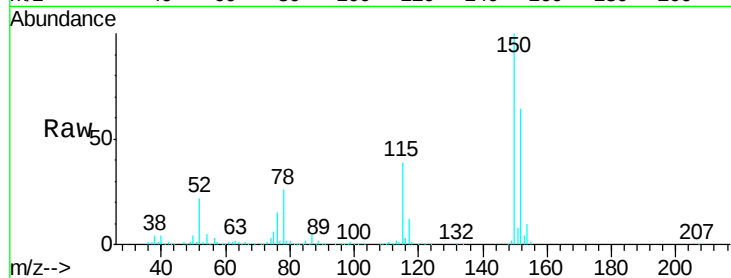


#1

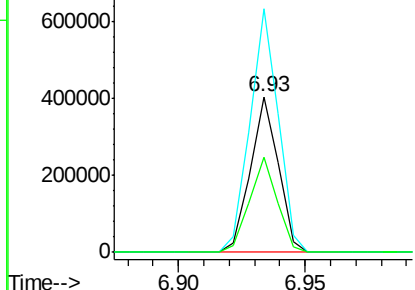
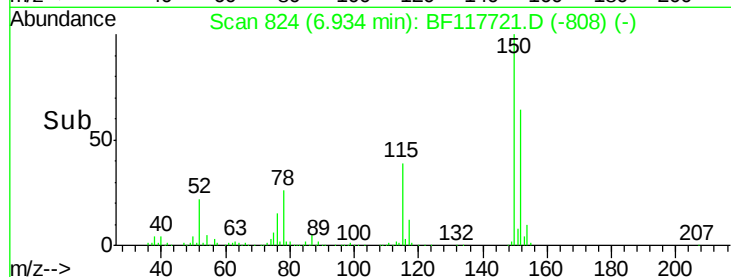
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 824
Delta R.T. -0.01 min
Lab File: BF117721.D
Acq: 7 Nov 2019 22:42

Instrument :
BNA_F
ClientSampleId :
4-D

Tgt Ion:152 Resp: 313753
Ion Ratio Lower Upper
152 100
150 156.3 121.4 182.2
115 60.8 46.7 70.1



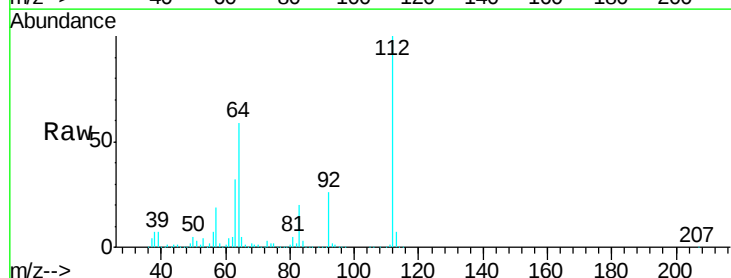
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



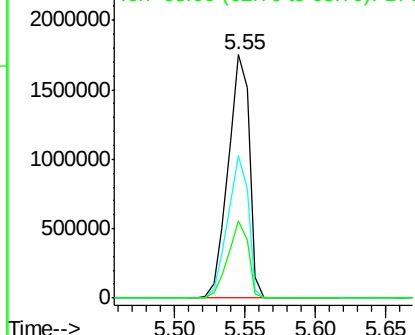
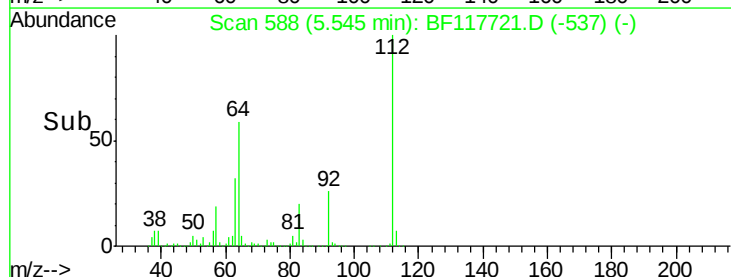
#5

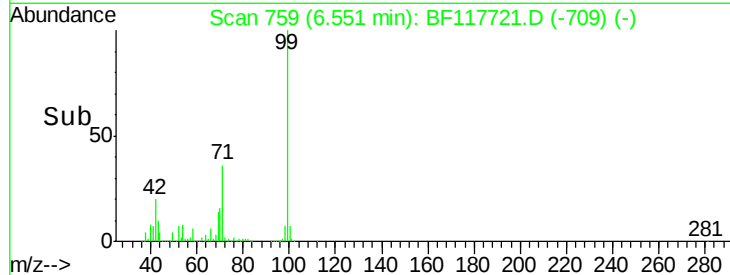
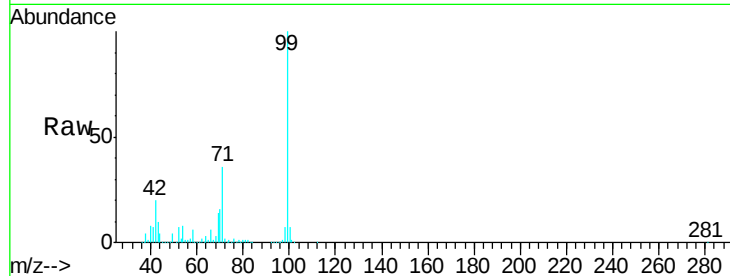
2-Fluorophenol
Concen: 105.605 ng
RT: 5.55 min Scan# 588
Delta R.T. -0.00 min
Lab File: BF117721.D
Acq: 7 Nov 2019 22:42

Tgt Ion:112 Resp: 1830456
Ion Ratio Lower Upper
112 100
64 58.5 46.4 69.6
63 31.6 24.6 37.0



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: 108.816 ng

RT: 6.55 min Scan# 759

Delta R.T. -0.01 min

Lab File: BF117721.D

Acq: 7 Nov 2019 22:42

Instrument :

BNA_F

ClientSampleId :

4-D

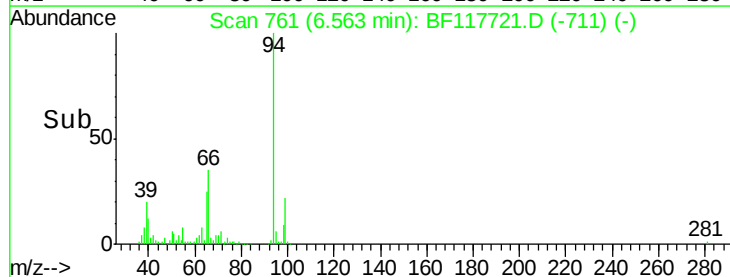
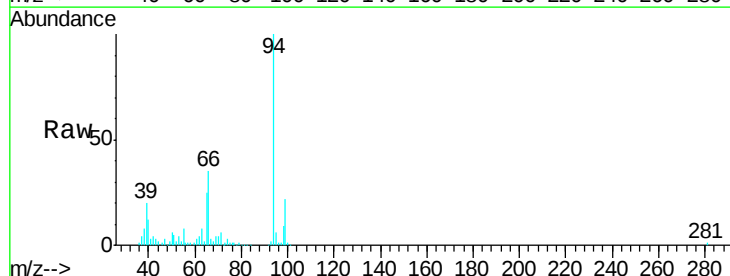
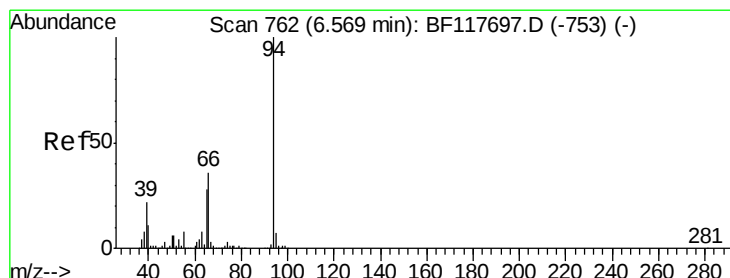
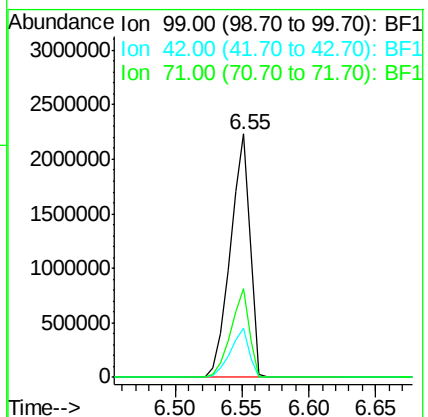
Tgt Ion: 99 Resp: 2325619

Ion Ratio Lower Upper

99 100

42 20.2 15.3 22.9

71 36.3 26.8 40.2



#10

Phenol

Concen: 3.578 ng

RT: 6.56 min Scan# 761

Delta R.T. -0.01 min

Lab File: BF117721.D

Acq: 7 Nov 2019 22:42

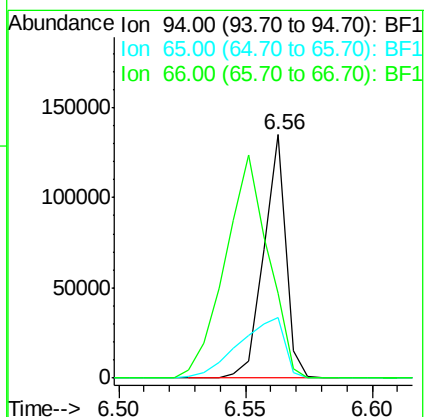
Tgt Ion: 94 Resp: 82408

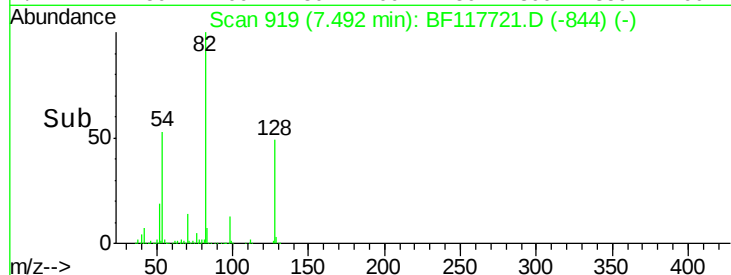
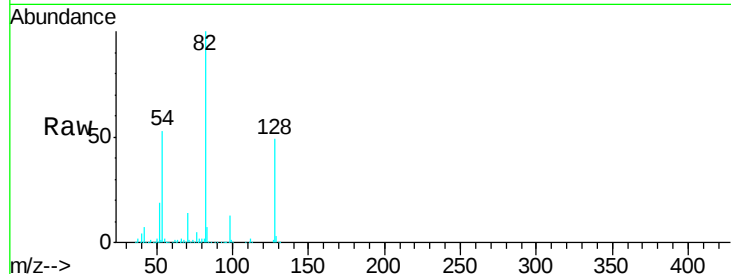
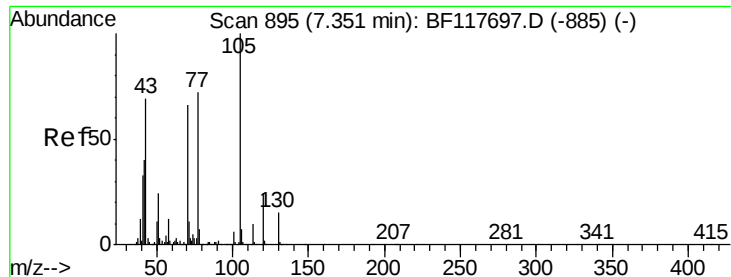
Ion Ratio Lower Upper

94 100

65 25.0 7.6 47.6

66 35.1 16.1 56.1

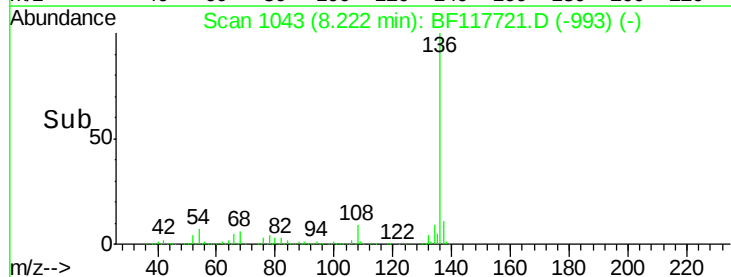
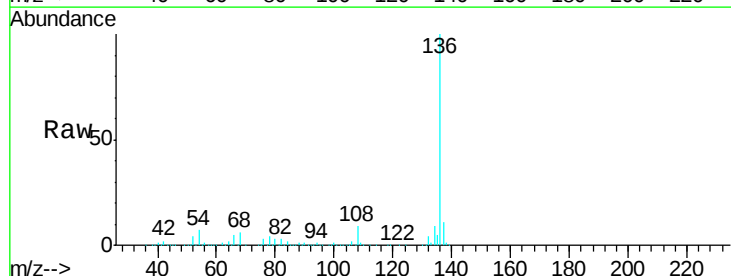
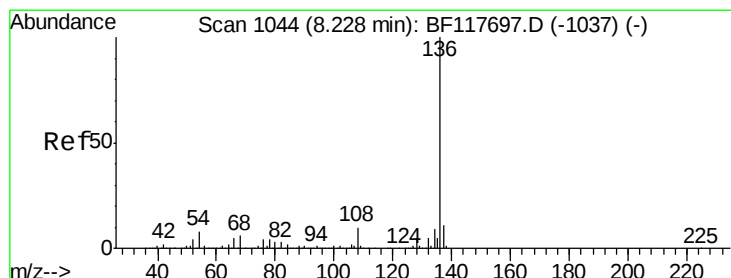
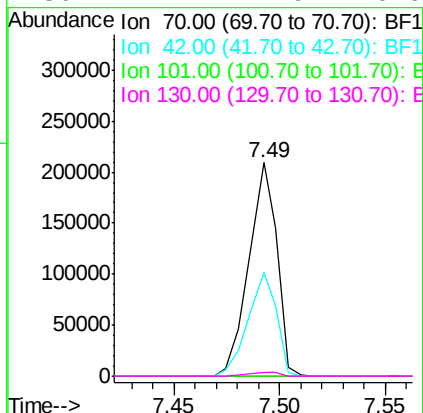




#19
n-Nitroso-di-n-propylamine
Concen: 13.776 ng
RT: 7.49 min Scan# 919
Delta R.T. 0.14 min
Lab File: BF117721.D
Acq: 7 Nov 2019 22:42

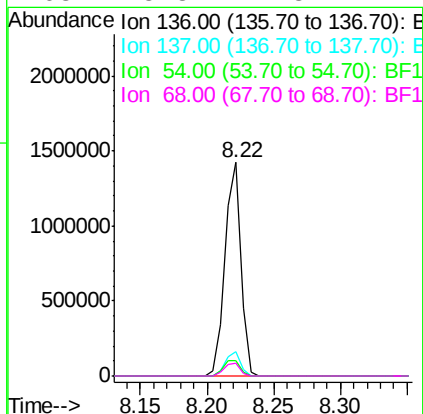
Instrument :
BNA_F
ClientSampleId :
4-D

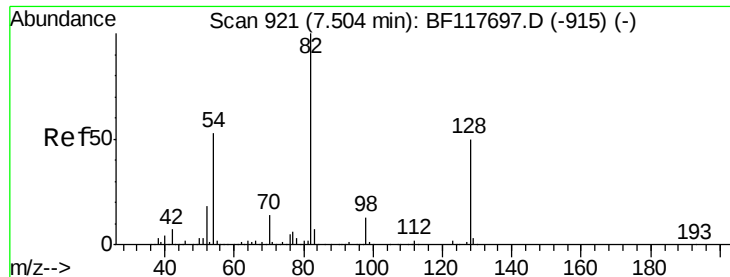
Tgt Ion:	70	Resp:	193590
Ion	Ratio	Lower	Upper
70	100		
42	48.3	49.1	73.7#
101	0.0	7.8	11.8#
130	2.1	17.9	26.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF117721.D
Acq: 7 Nov 2019 22:42

Tgt Ion:	136	Resp:	1210856
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	7.2	6.0	9.0
68	5.8	4.8	7.2

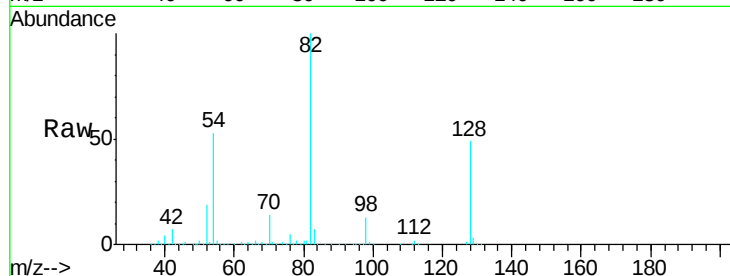




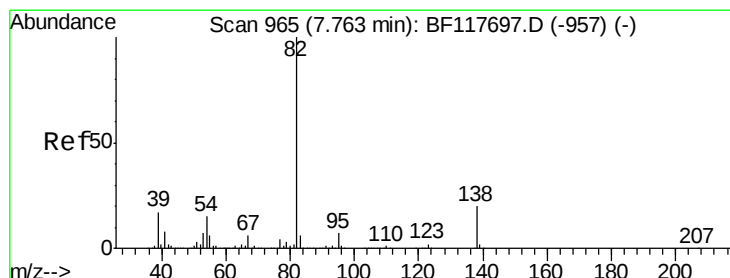
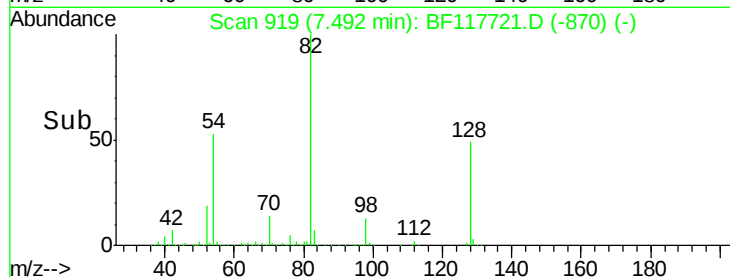
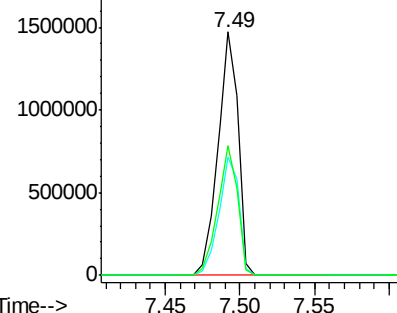
#23
Nitrobenzene-d5
Concen: 68.581 ng
RT: 7.49 min Scan# 919
Delta R.T. -0.01 min
Lab File: BF117721.D
Acq: 7 Nov 2019 22:42

Instrument :
BNA_F
ClientSampleId :
4-D

Tgt Ion: 82 Resp: 1406547
Ion Ratio Lower Upper
82 100
128 48.7 40.2 60.2
54 53.4 42.0 63.0

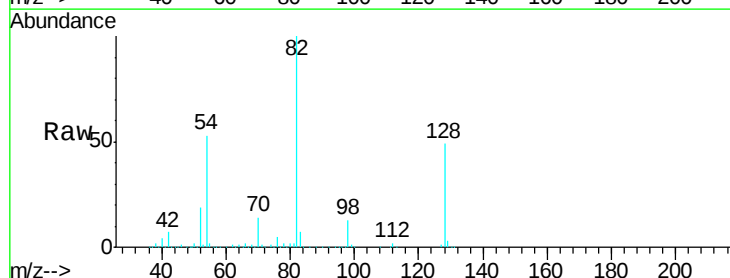


Abundance Ion 82.00 (81.70 to 82.70): BF1
2000000 Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

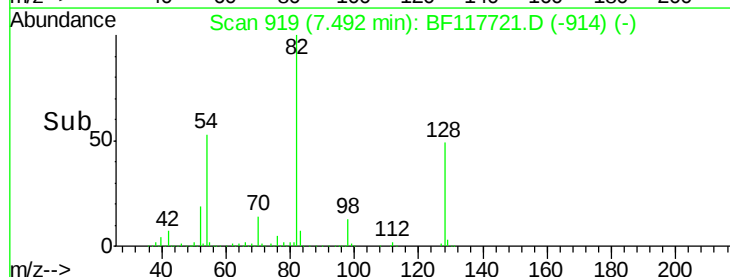
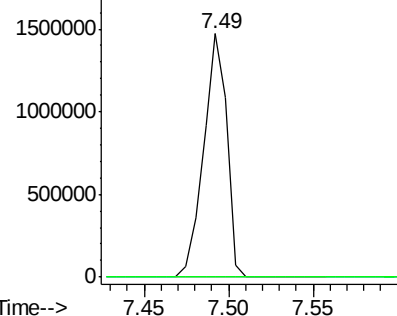


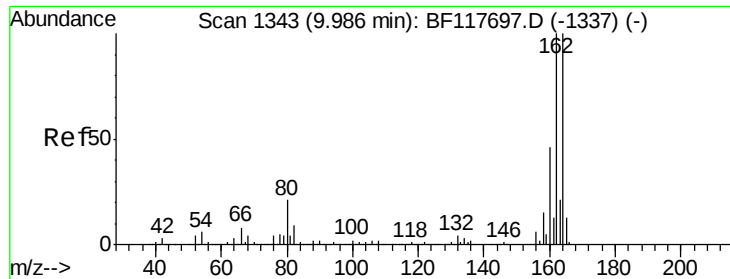
#25
Isophorone
Concen: 35.773 ng
RT: 7.49 min Scan# 919
Delta R.T. -0.27 min
Lab File: BF117721.D
Acq: 7 Nov 2019 22:42

Tgt Ion: 82 Resp: 1403256
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 16.2 24.2#



Abundance Ion 82.00 (81.70 to 82.70): BF1
2000000 Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

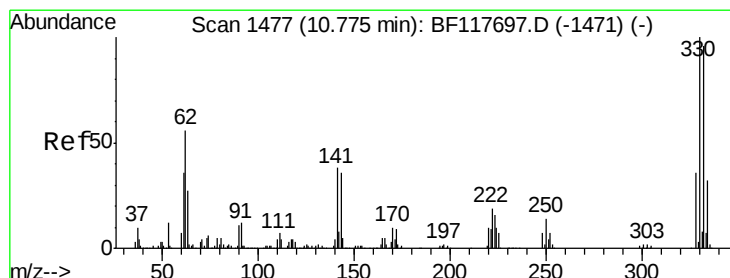
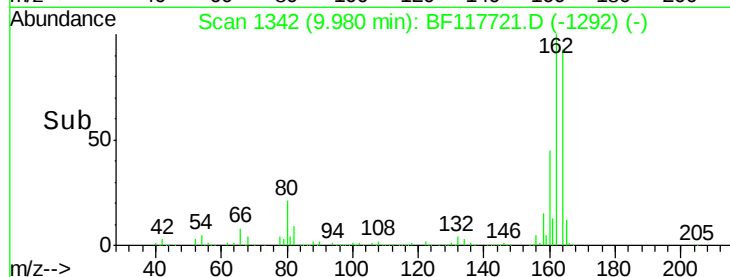
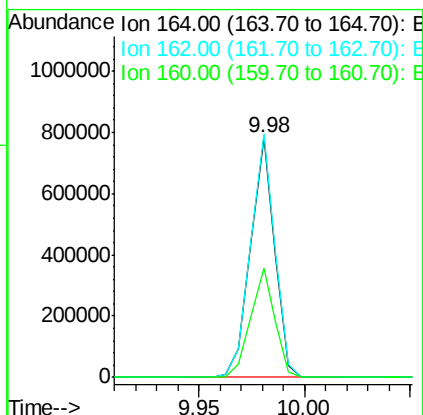
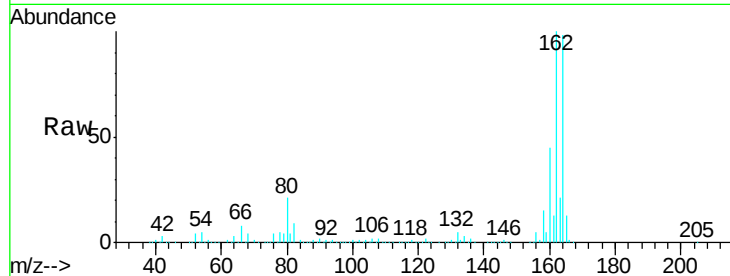




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BF117721.D
Acq: 7 Nov 2019 22:42

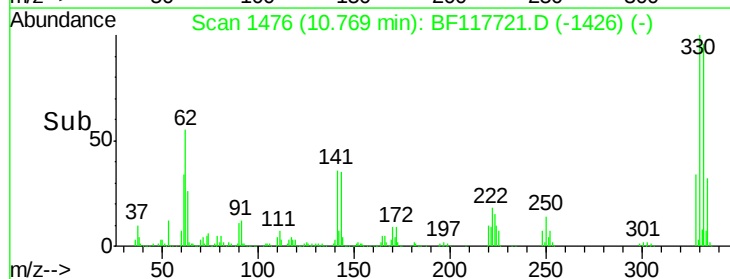
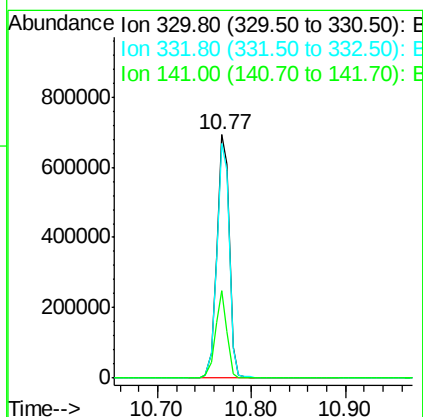
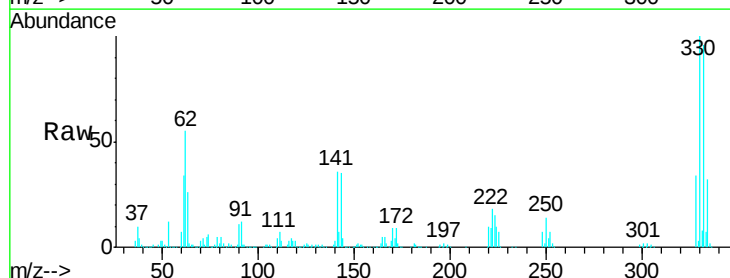
Instrument :
BNA_F
ClientSampled :
4-D

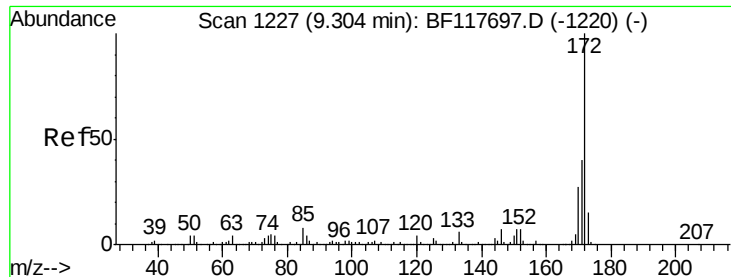
Tgt Ion:164 Resp: 623800
Ion Ratio Lower Upper
164 100
162 101.7 79.7 119.5
160 45.6 36.5 54.7



#42
2,4,6-Tribromophenol
Concen: 106.990 ng
RT: 10.77 min Scan# 1476
Delta R.T. -0.01 min
Lab File: BF117721.D
Acq: 7 Nov 2019 22:42

Tgt Ion:330 Resp: 652870
Ion Ratio Lower Upper
330 100
332 96.7 77.4 116.0
141 33.2 28.0 42.0

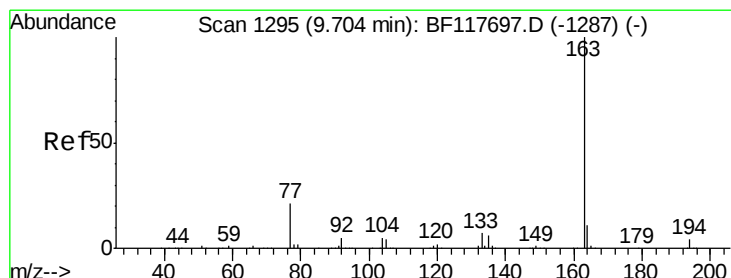
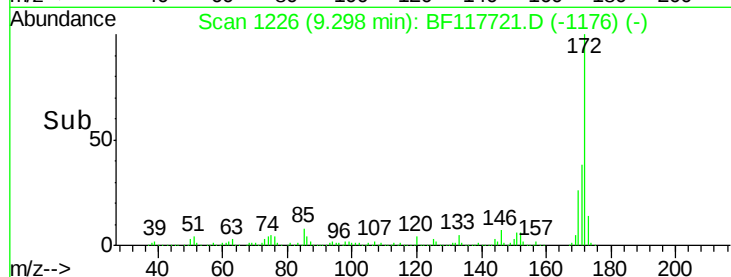
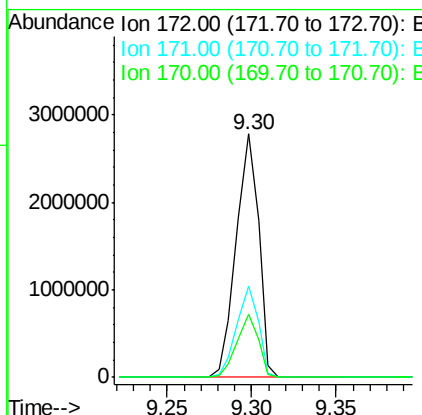
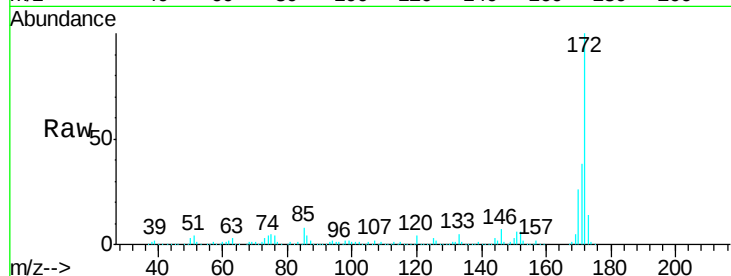




#45
 2-Fluorobiphenyl
 Concen: 81.446 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: BF117721.D
 Acq: 7 Nov 2019 22:42

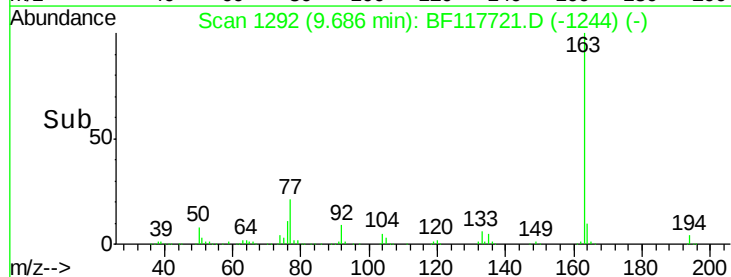
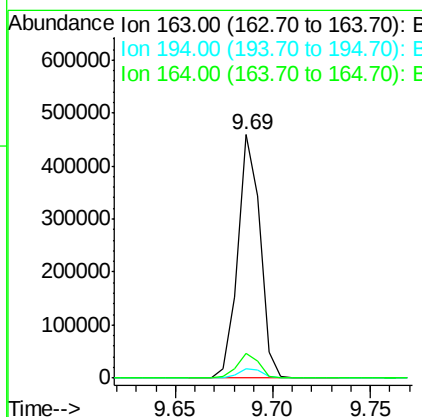
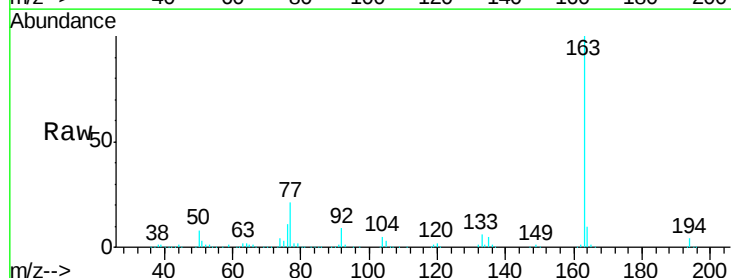
Instrument :
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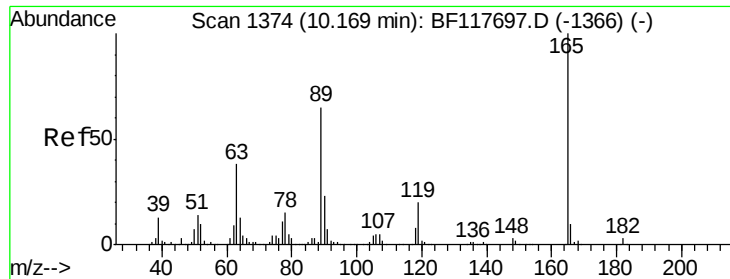
Tgt Ion:172 Resp: 2575050
 Ion Ratio Lower Upper
 172 100
 171 37.7 31.8 47.8
 170 25.8 21.6 32.4



#50
 Dimethylphthalate
 Concen: 8.581 ng
 RT: 9.69 min Scan# 1292
 Delta R.T. -0.02 min
 Lab File: BF117721.D
 Acq: 7 Nov 2019 22:42

Tgt Ion:163 Resp: 361869
 Ion Ratio Lower Upper
 163 100
 194 3.8 3.4 5.0
 164 10.3 8.9 13.3

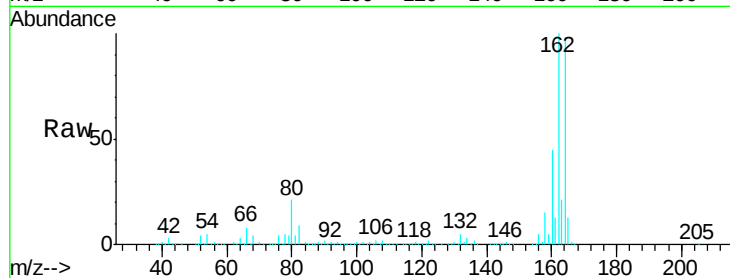




#57
 2,4-Dinitrotoluene
 Concen: 6.818 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. -0.19 min
 Lab File: BF117721.D
 Acq: 7 Nov 2019 22:42

Instrument :
 BNA_F
 ClientSampleId :
 4-D

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	30.4	45.6#
89	1.3	52.2	78.4#
182	0.0	2.3	3.5#

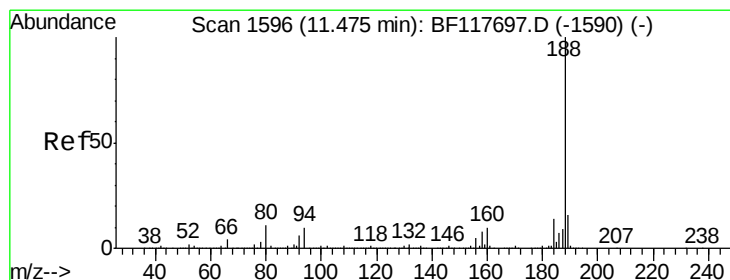
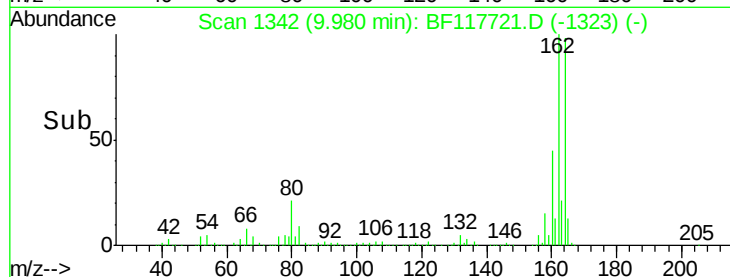
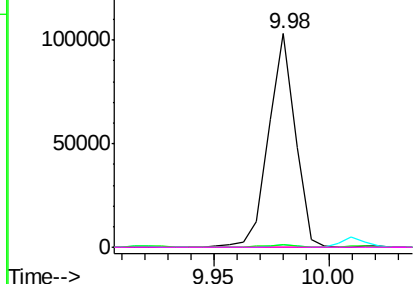


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

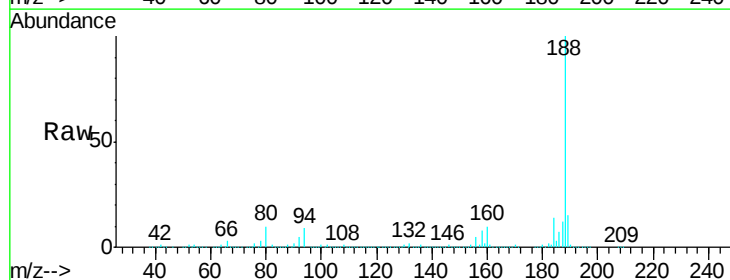
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.47 min Scan# 1596
 Delta R.T. -0.00 min
 Lab File: BF117721.D
 Acq: 7 Nov 2019 22:42

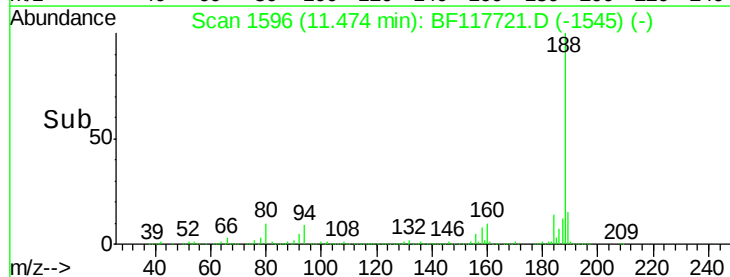
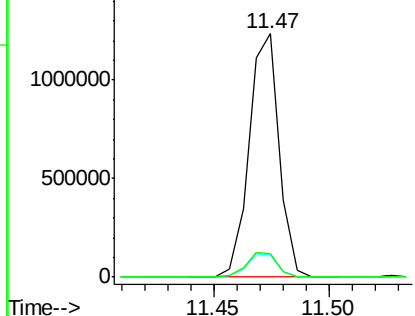
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.2	8.2	12.4
80	9.6	8.6	13.0

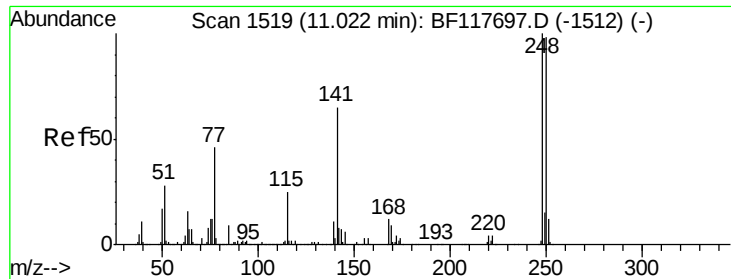


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

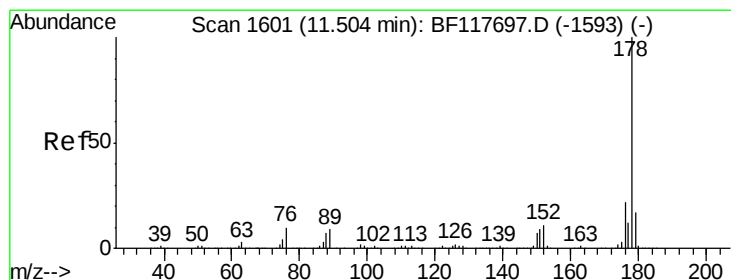
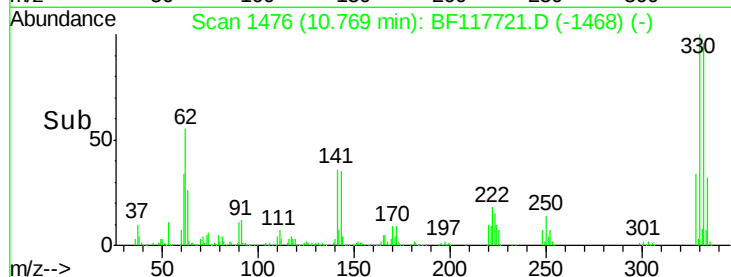
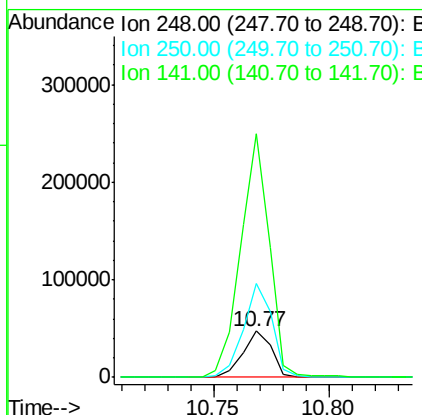
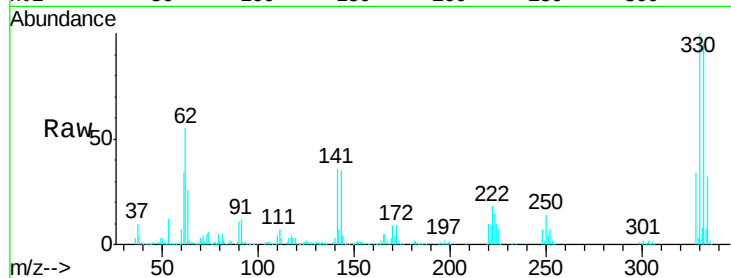




#67
 4-Bromophenyl-phenylether
 Concen: 3.357 ng
 RT: 10.77 min Scan# 1476
 Delta R.T. -0.25 min
 Lab File: BF117721.D
 Acq: 7 Nov 2019 22:42

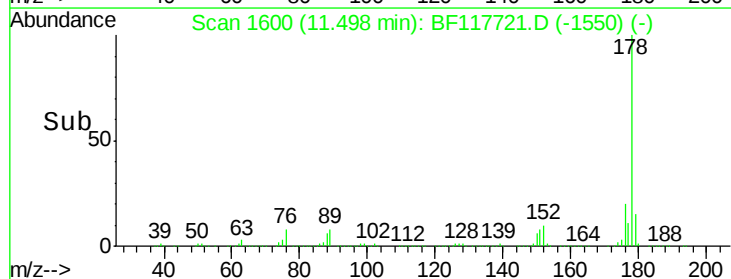
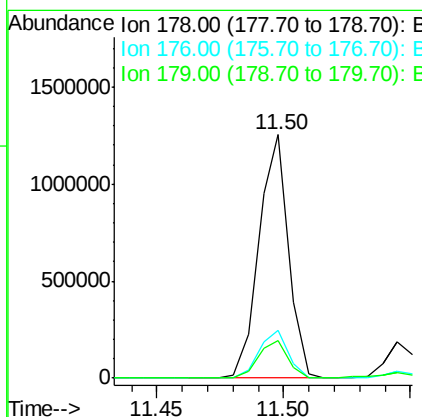
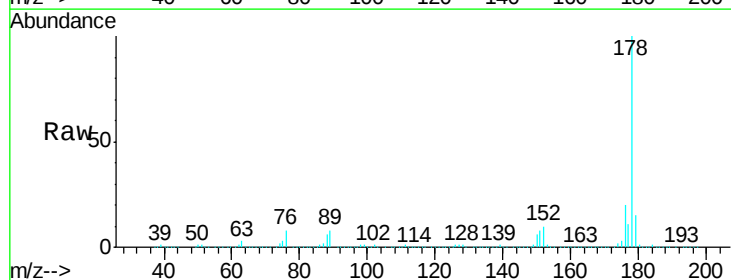
Instrument :
 BNA_F
 ClientSampleId :
 4-D

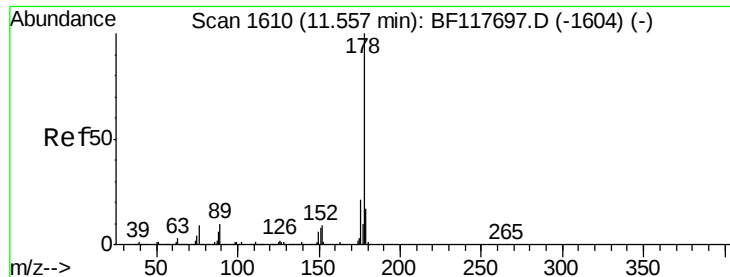
Tgt Ion:248 Resp: 40880
 Ion Ratio Lower Upper
 248 100
 250 203.7 78.7 118.1#
 141 526.5 51.8 77.8#



#71
 Phenanthrene
 Concen: 18.938 ng
 RT: 11.50 min Scan# 1600
 Delta R.T. -0.01 min
 Lab File: BF117721.D
 Acq: 7 Nov 2019 22:42

Tgt Ion:178 Resp: 1012149
 Ion Ratio Lower Upper
 178 100
 176 19.8 17.7 26.5
 179 15.4 13.8 20.8





#72

Anthracene

Concen: 2.683 ng

RT: 11.54 min Scan# 1608

Delta R.T. -0.01 min

Lab File: BF117721.D

Acq: 7 Nov 2019 22:42

Instrument :

BNA_F

ClientSampleId :

4-D

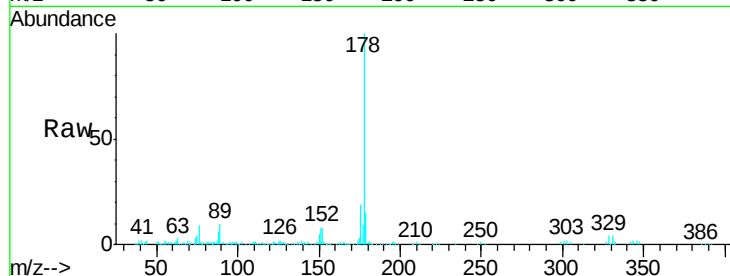
Tgt Ion:178 Resp: 142683

Ion Ratio Lower Upper

178 100

176 18.6 16.6 25.0

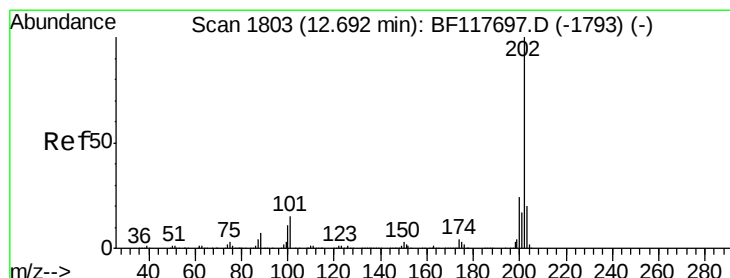
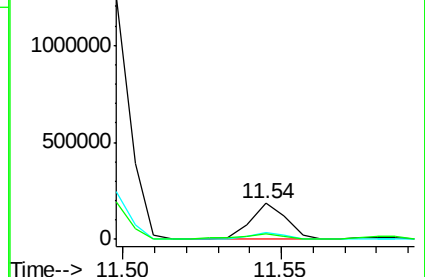
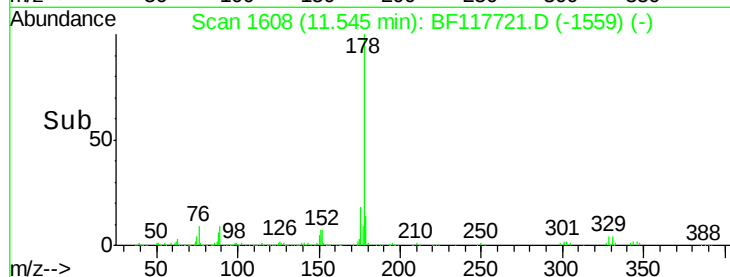
179 14.7 13.5 20.3



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: 14.853 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.00 min

Lab File: BF117721.D

Acq: 7 Nov 2019 22:42

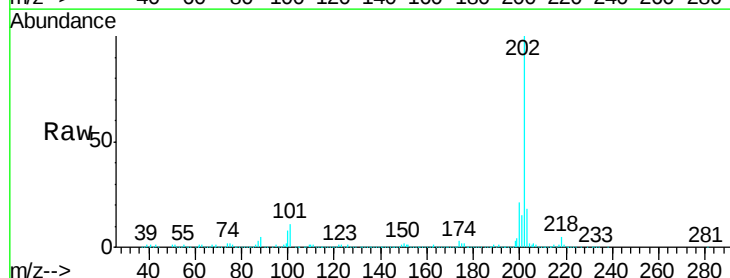
Tgt Ion:202 Resp: 810537

Ion Ratio Lower Upper

202 100

101 11.1 0.0 34.5

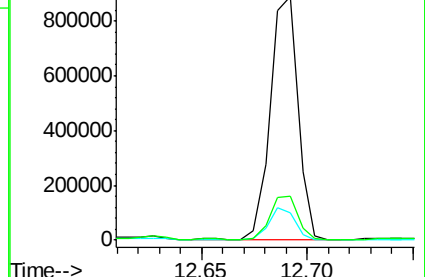
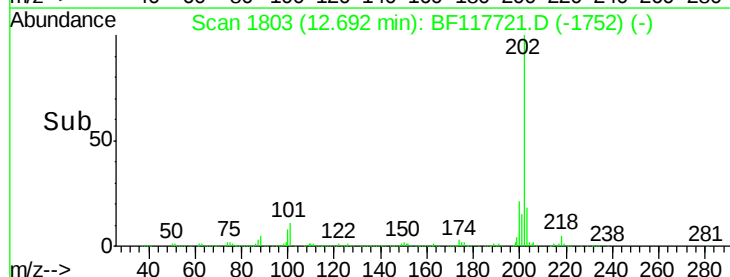
203 18.2 0.0 39.8

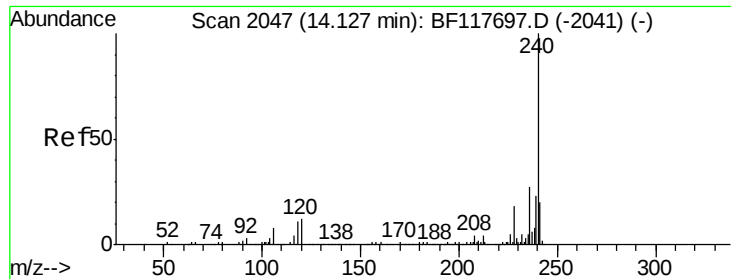


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

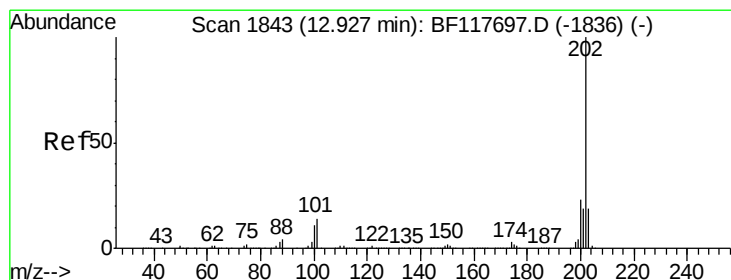
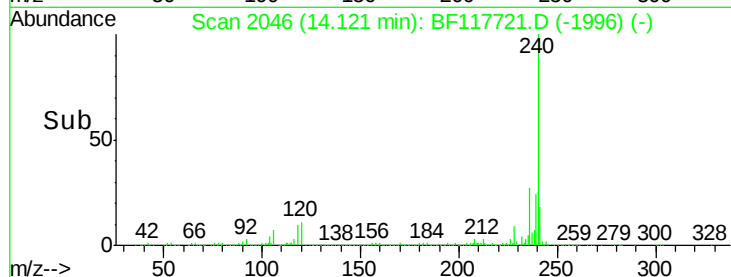
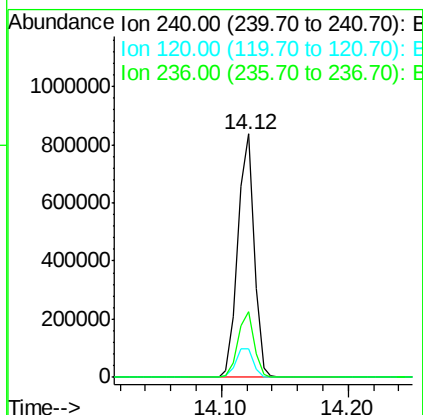
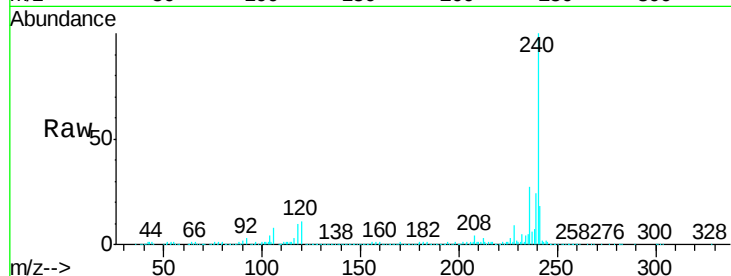




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.12 min Scan# 2046
Delta R.T. -0.01 min
Lab File: BF117721.D
Acq: 7 Nov 2019 22:42

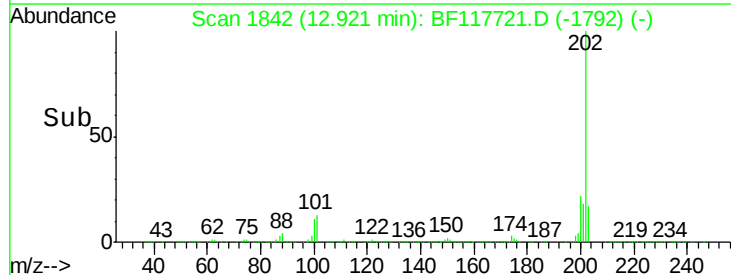
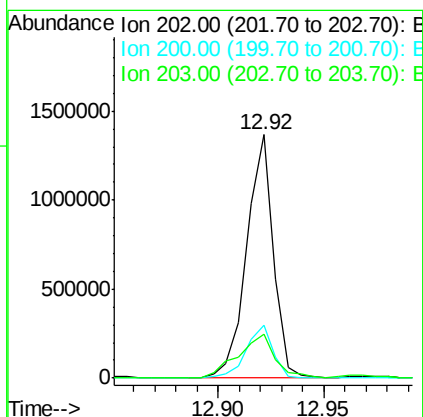
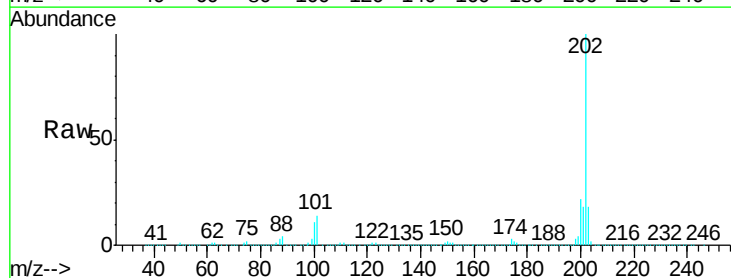
Instrument :
BNA_F
ClientSampled :
4-D

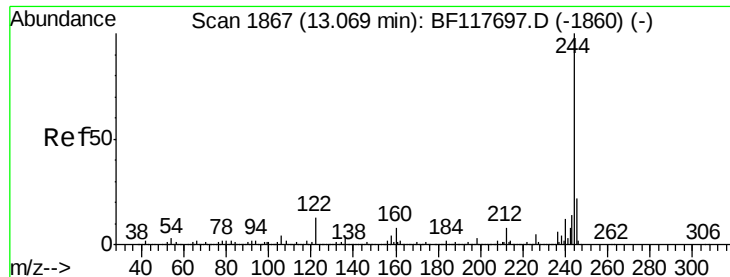
Tgt Ion:240 Resp: 732380
Ion Ratio Lower Upper
240 100
120 11.5 9.7 14.5
236 26.8 21.9 32.9



#78
Pyrene
Concen: 22.463 ng
RT: 12.92 min Scan# 1842
Delta R.T. -0.01 min
Lab File: BF117721.D
Acq: 7 Nov 2019 22:42

Tgt Ion:202 Resp: 1200960
Ion Ratio Lower Upper
202 100
200 21.8 18.8 28.2
203 18.1 15.2 22.8





#79

Terphenyl-d14

Concen: 71.413 ng

RT: 13.06 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BF117721.D

Acq: 7 Nov 2019 22:42

Instrument :

BNA_F

ClientSampleId :

4-D

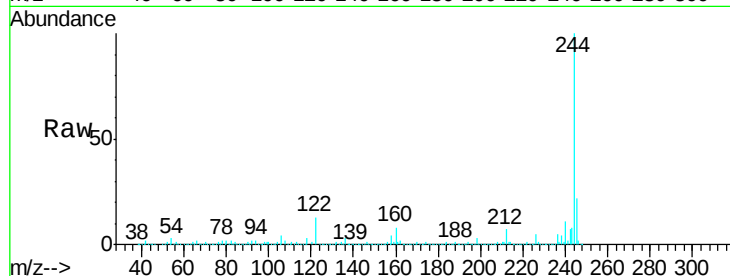
Tgt Ion:244 Resp: 2540656

Ion Ratio Lower Upper

244 100

212 7.4 6.4 9.6

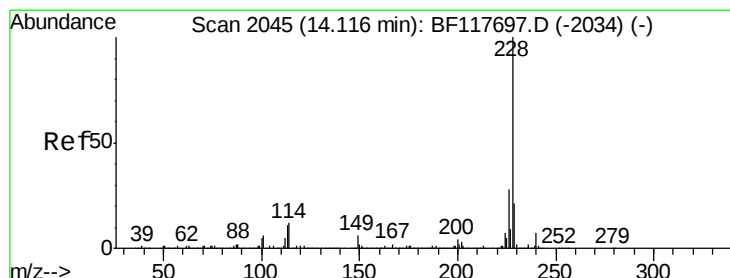
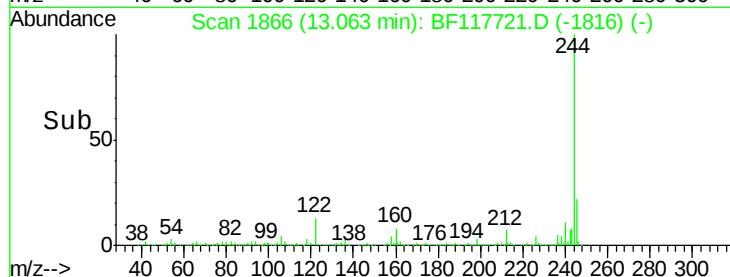
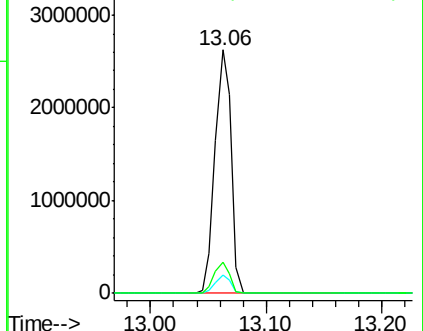
122 13.0 10.0 15.0



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: 10.655 ng

RT: 14.11 min Scan# 2044

Delta R.T. -0.01 min

Lab File: BF117721.D

Acq: 7 Nov 2019 22:42

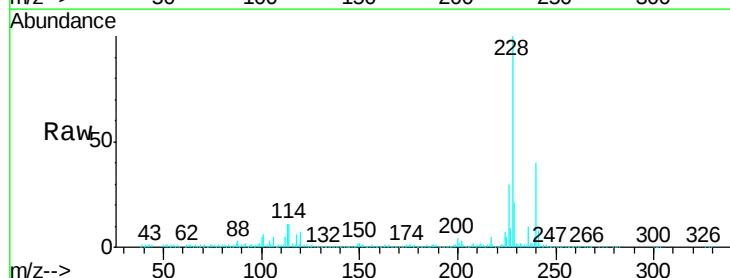
Tgt Ion:228 Resp: 485736

Ion Ratio Lower Upper

228 100

226 29.9 22.8 34.2

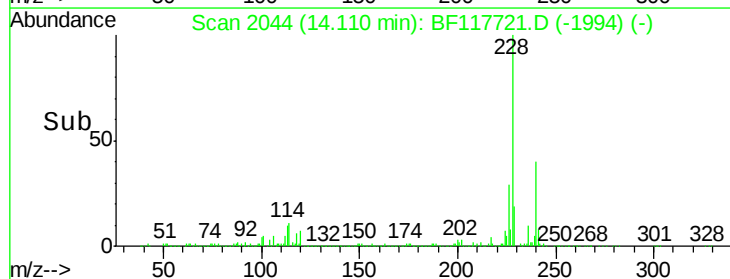
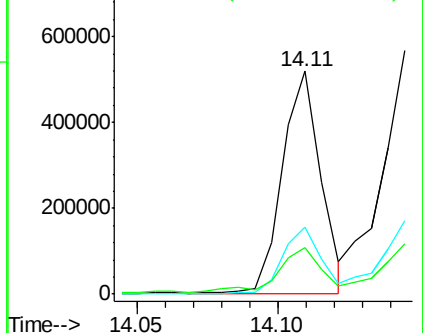
229 20.6 16.9 25.3

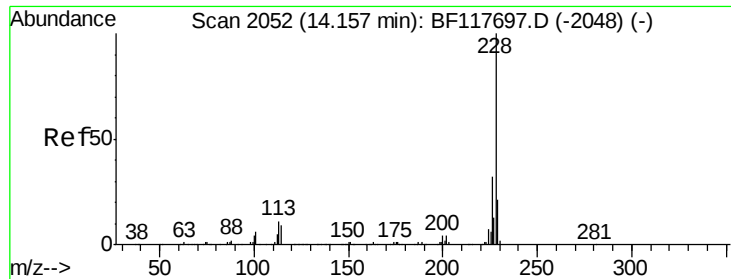


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 11.867 ng

RT: 14.14 min Scan# 2050

Delta R.T. -0.01 min

Lab File: BF117721.D

Acq: 7 Nov 2019 22:42

Instrument :

BNA_F

ClientSampleId :

4-D

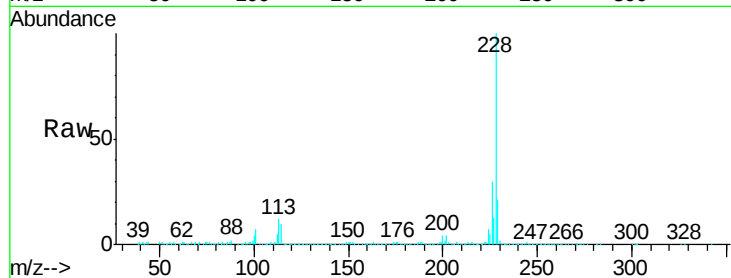
Tgt Ion:228 Resp: 534246

Ion Ratio Lower Upper

228 100

226 30.1 25.4 38.2

229 20.6 16.6 24.8



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

600000

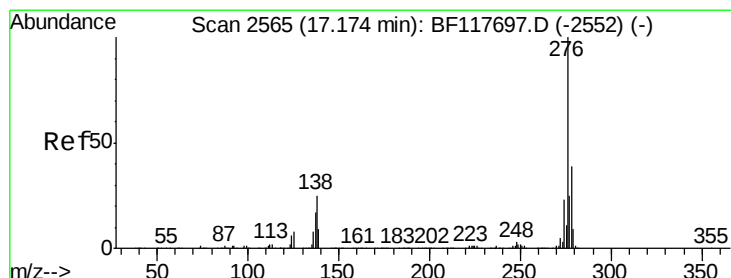
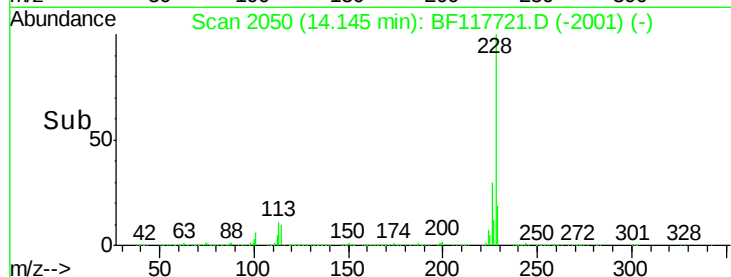
400000

200000

0

14.14

Time-->



#86

Indeno(1,2,3-cd)pyrene

Concen: 4.151 ng

RT: 17.16 min Scan# 2562

Delta R.T. -0.02 min

Lab File: BF117721.D

Acq: 7 Nov 2019 22:42

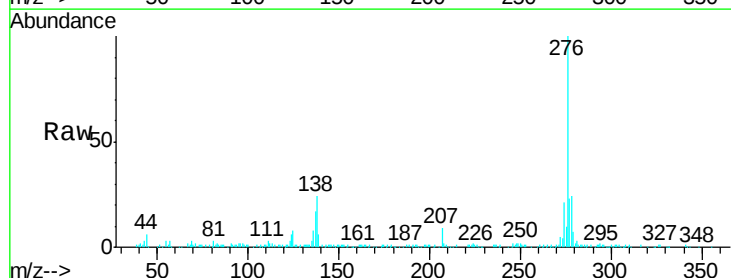
Tgt Ion:276 Resp: 173937

Ion Ratio Lower Upper

276 100

138 24.9 22.4 33.6

277 24.2 20.6 30.8



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

120000

100000

80000

60000

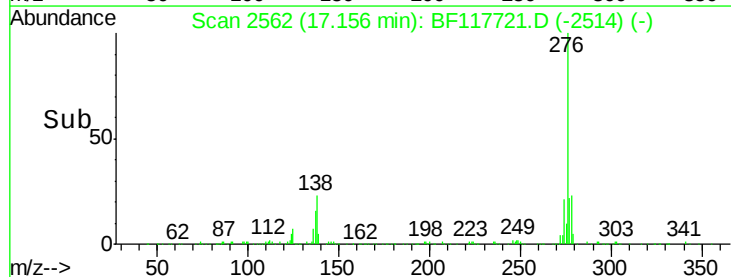
40000

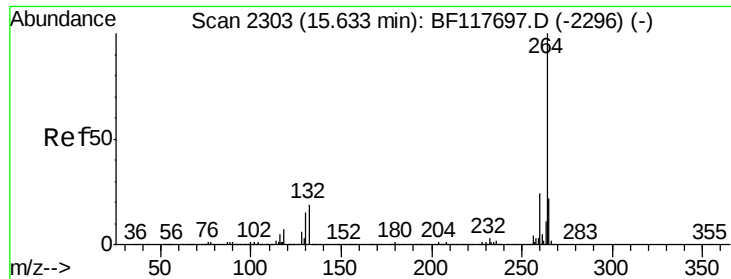
20000

0

17.16

Time-->





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.63 min Scan# 2303

Delta R.T. -0.00 min

Lab File: BF117721.D

Acq: 7 Nov 2019 22:42

Instrument :

BNA_F

ClientSampleId :

4-D

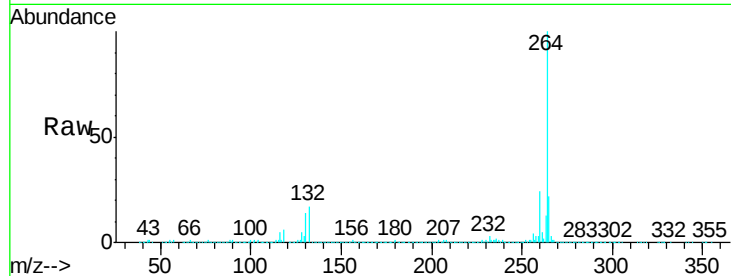
Tgt Ion:264 Resp: 891652

Ion Ratio Lower Upper

264 100

260 23.6 18.8 28.2

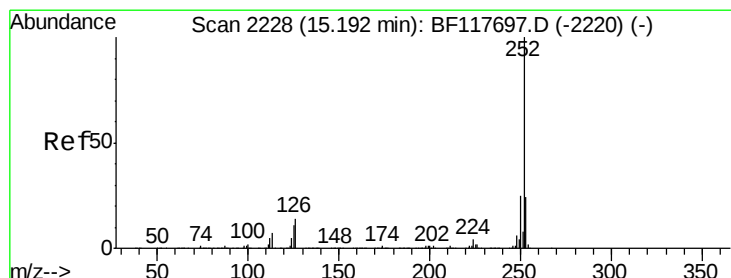
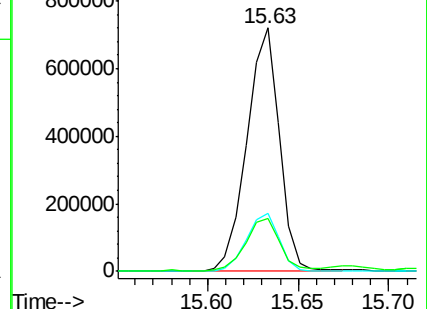
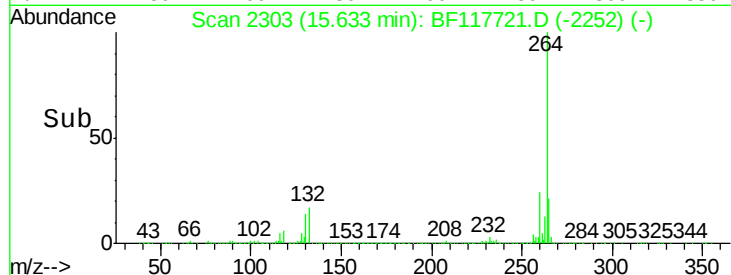
265 21.5 17.7 26.5



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: 10.456 ng

RT: 15.18 min Scan# 2226

Delta R.T. -0.01 min

Lab File: BF117721.D

Acq: 7 Nov 2019 22:42

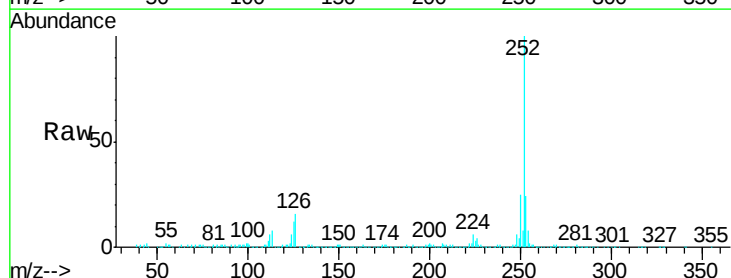
Tgt Ion:252 Resp: 587181

Ion Ratio Lower Upper

252 100

253 23.7 18.9 28.3

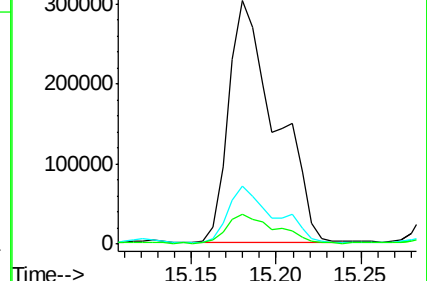
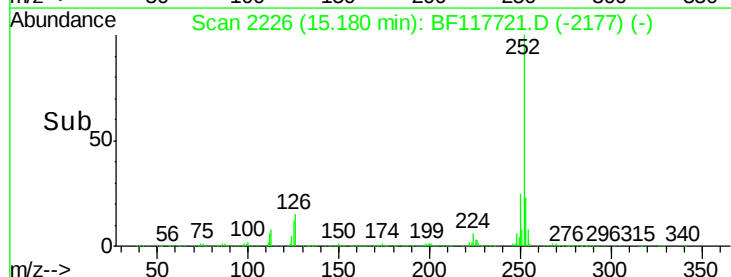
125 12.3 8.5 12.7

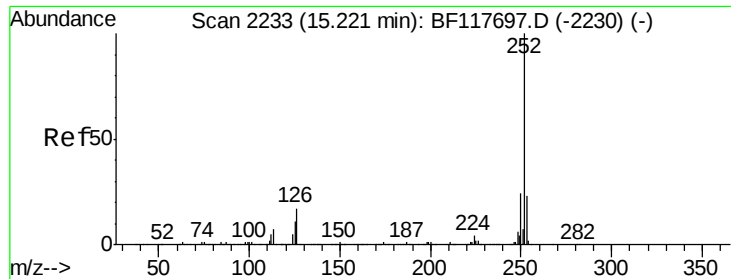


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

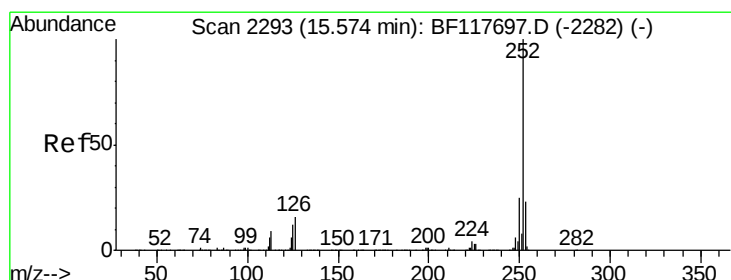
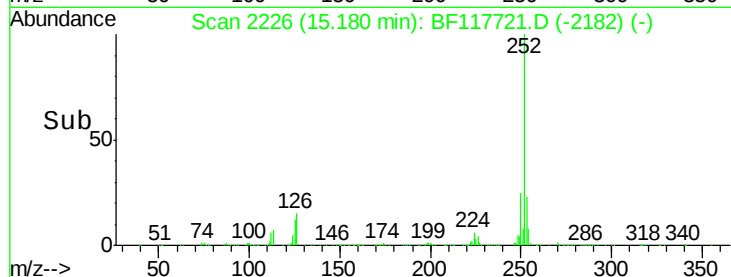
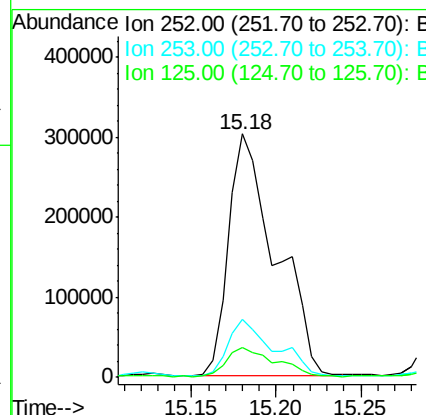
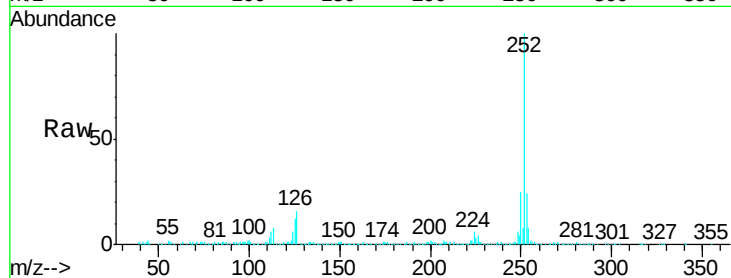




#89
Benzo(k)fluoranthene
Concen: 11.723 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.04 min
Lab File: BF117721.D
Acq: 7 Nov 2019 22:42

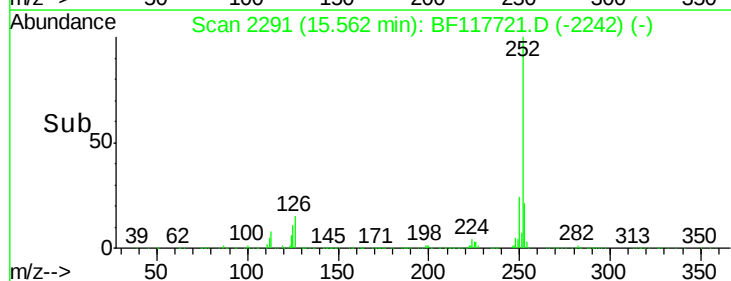
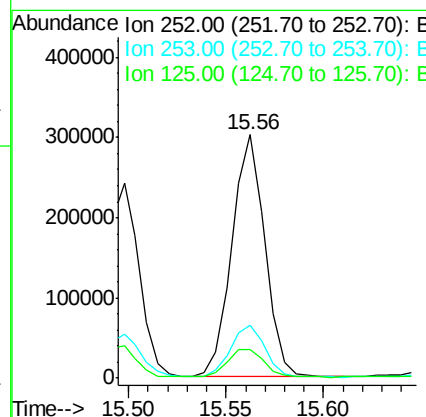
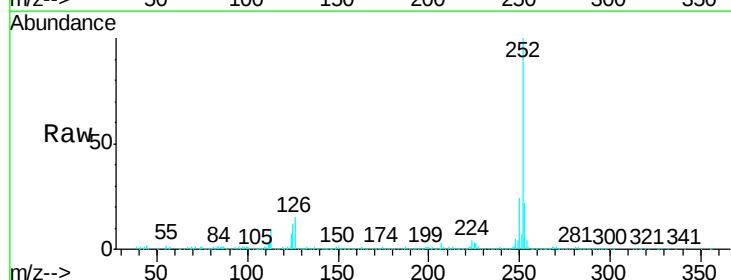
Instrument :
BNA_F
ClientSampleId :
4-D

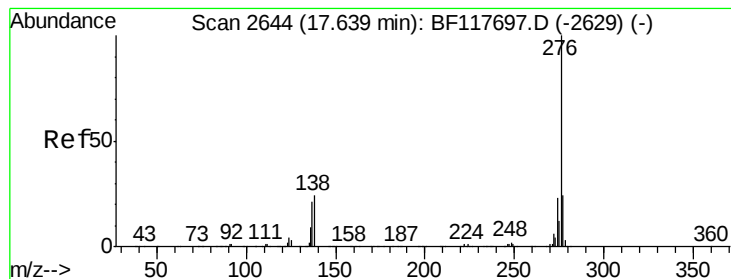
Tgt Ion:252 Resp: 587181
Ion Ratio Lower Upper
252 100
253 23.7 17.9 26.9
125 12.3 9.1 13.7



#90
Benzo(a)pyrene
Concen: 7.275 ng
RT: 15.56 min Scan# 2291
Delta R.T. -0.01 min
Lab File: BF117721.D
Acq: 7 Nov 2019 22:42

Tgt Ion:252 Resp: 354149
Ion Ratio Lower Upper
252 100
253 21.9 18.0 27.0
125 11.7 9.5 14.3





#92

Benzo(g,h,i)perylene

Concen: 4.316 ng

RT: 17.62 min Scan# 2640

Delta R.T. -0.02 min

Lab File: BF117721.D

Acq: 7 Nov 2019 22:42

Instrument :

BNA_F

ClientSampleId :

4-D

Tgt Ion: 276 Resp: 182625

Ion Ratio Lower Upper

276 100

277 22.4 19.4 29.0

138 24.3 19.2 28.8

