

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF110719\
 Data File : BF117720.D
 Acq On : 7 Nov 2019 22:15
 Operator : JU
 Sample : K5722-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 4-C

Quant Time: Nov 08 01:27:35 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	309878	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	1190520	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	626785	20.00	ng	0.00
64) Phenanthrene-d10	11.47	188	1124761	20.00	ng	0.00
76) Chrysene-d12	14.12	240	763827	20.00	ng	0.00
87) Perylene-d12	15.63	264	901576	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.55	112	1539085	89.91	ng	0.00
7) Phenol-d6	6.55	99	1959653	92.84	ng	0.00
23) Nitrobenzene-d5	7.49	82	1166467	57.85	ng	-0.01
42) 2,4,6-Tribromophenol	10.77	330	551309	89.92	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	2127853	66.98	ng	0.00
79) Terphenyl-d14	13.06	244	2161949	58.27	ng	0.00

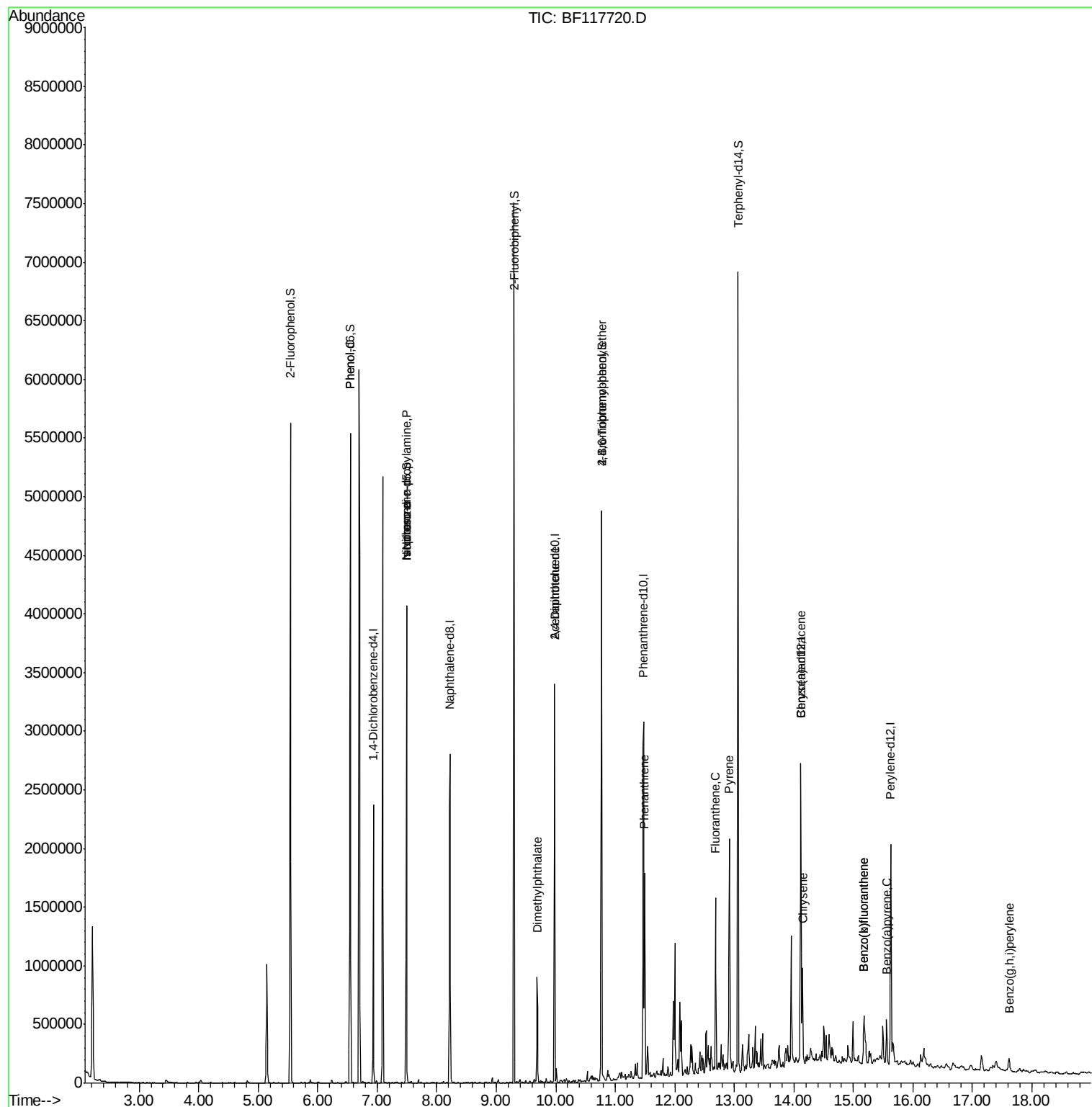
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.56	94	68947	3.031	ng	89
19) n-Nitroso-di-n-propylamine	7.49	70	156714	11.291	ng	# 77
25) Isophorone	7.49	82	1165189	30.211	ng	# 62
50) Dimethylphthalate	9.69	163	317893	7.502	ng	99
57) 2,4-Dinitrotoluene	9.98	165	80729	6.633	ng	# 28
67) 4-Bromophenyl-phenylether	10.77	248	35370	2.879	ng	# 1
71) Phenanthrene	11.49	178	621902	11.536	ng	95
75) Fluoranthene	12.69	202	483176	8.777	ng	95
78) Pyrene	12.92	202	757558	13.586	ng	96
81) Benzo(a)anthracene	14.11	228	286331	6.022	ng	97
83) Chrysene	14.14	228	310743	6.618	ng	98
88) Benzo(b)fluoranthene	15.18	252	312388	5.501	ng	97
89) Benzo(k)fluoranthene	15.18	252	312388	6.168	ng	99
90) Benzo(a)pyrene	15.56	252	193925	3.940	ng	99
92) Benzo(g,h,i)perylene	17.62	276	93835	2.193	ng	98

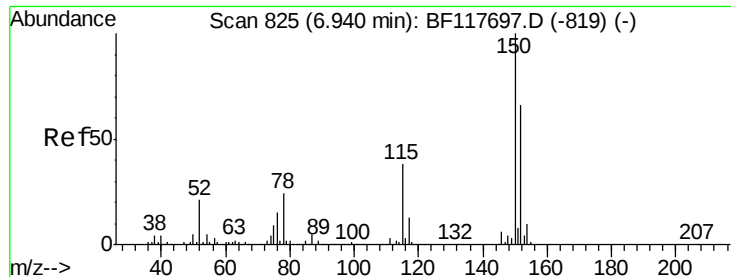
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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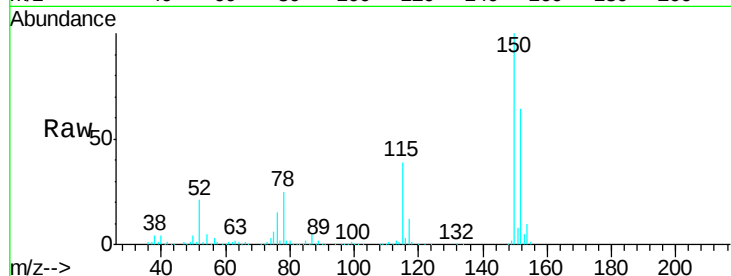


#1

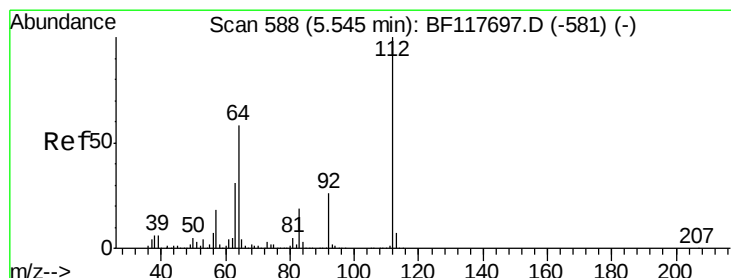
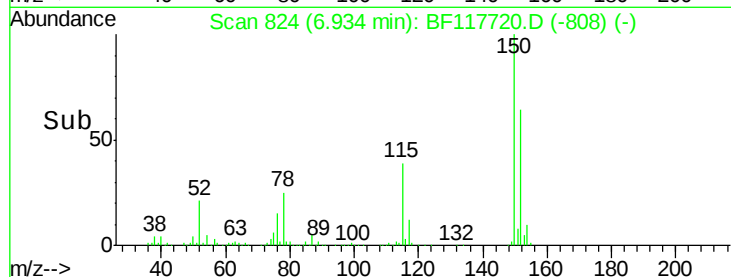
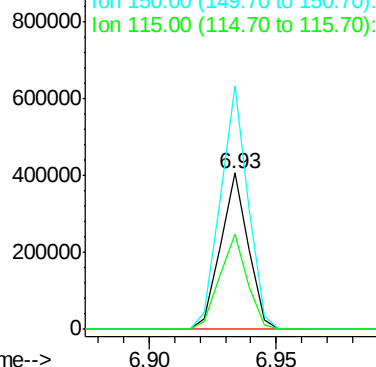
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 824
Delta R.T. -0.01 min
Lab File: BF117720.D
Acq: 7 Nov 2019 22:15

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ClientSampleId :
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Tgt Ion:152 Resp: 309878
Ion Ratio Lower Upper
152 100
150 155.5 121.4 182.2
115 60.5 46.7 70.1



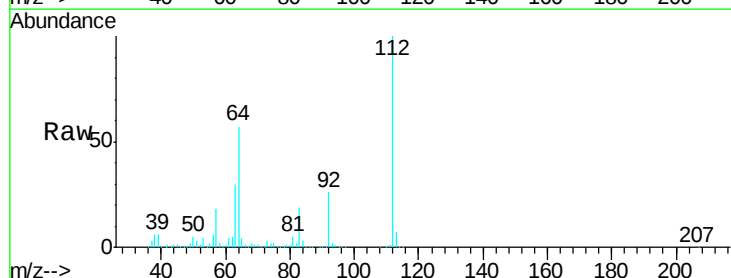
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



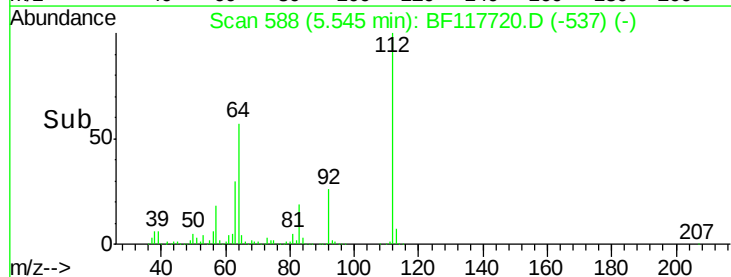
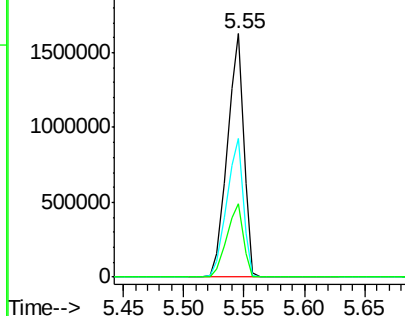
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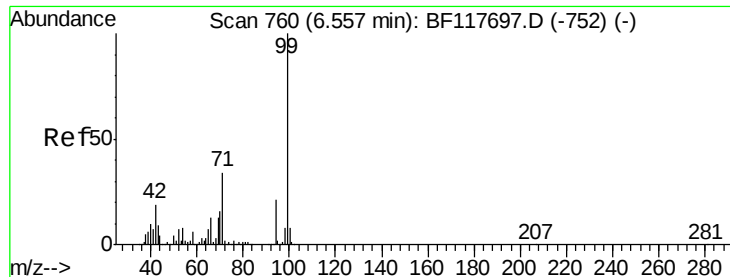
2-Fluorophenol
Concen: 89.906 ng
RT: 5.55 min Scan# 588
Delta R.T. -0.00 min
Lab File: BF117720.D
Acq: 7 Nov 2019 22:15

Tgt Ion:112 Resp: 1539085
Ion Ratio Lower Upper
112 100
64 56.9 46.4 69.6
63 30.3 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: 92.839 ng

RT: 6.55 min Scan# 759

Delta R.T. -0.01 min

Lab File: BF117720.D

Acq: 7 Nov 2019 22:15

Instrument :

BNA_F

ClientSampleId :

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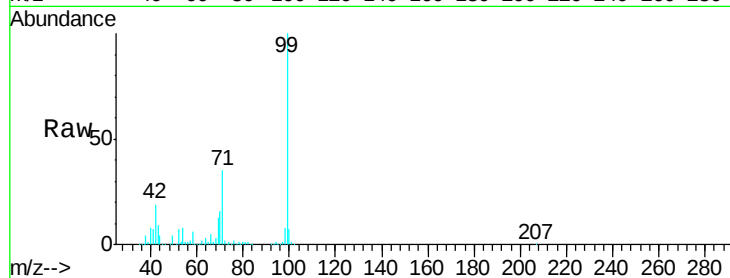
Tgt Ion: 99 Resp: 1959653

Ion Ratio Lower Upper

99 100

42 18.9 15.3 22.9

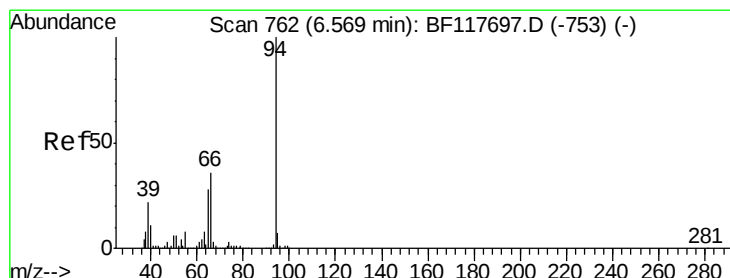
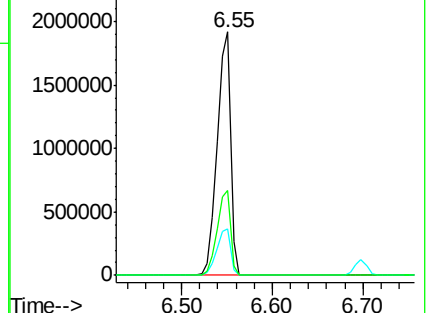
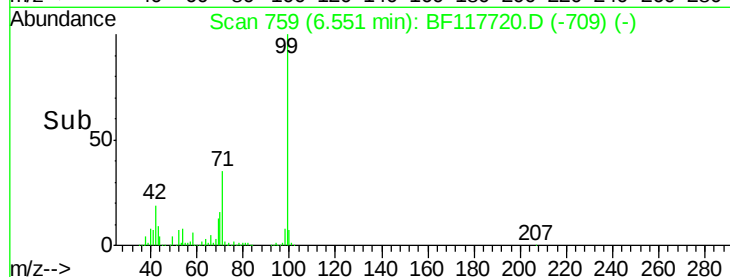
71 34.9 26.8 40.2



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



#10

Phenol

Concen: 3.031 ng

RT: 6.56 min Scan# 760

Delta R.T. -0.01 min

Lab File: BF117720.D

Acq: 7 Nov 2019 22:15

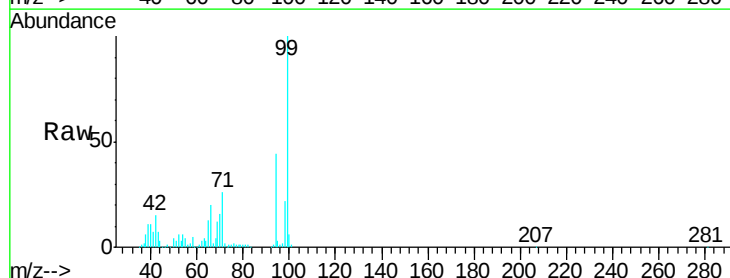
Tgt Ion: 94 Resp: 68947

Ion Ratio Lower Upper

94 100

65 30.2 7.6 47.6

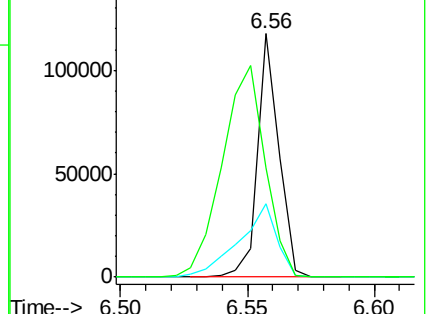
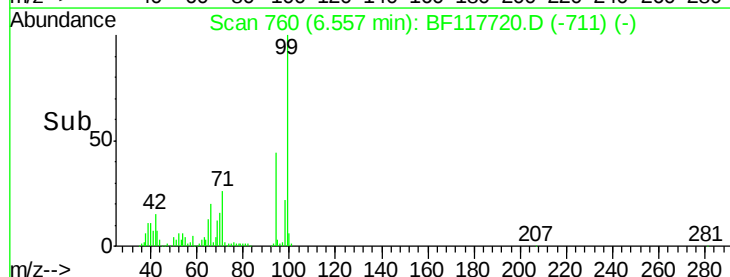
66 45.0 16.1 56.1

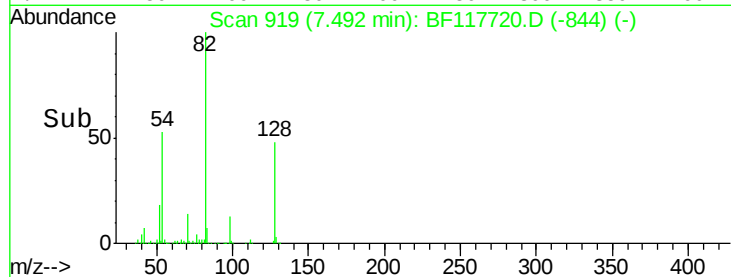
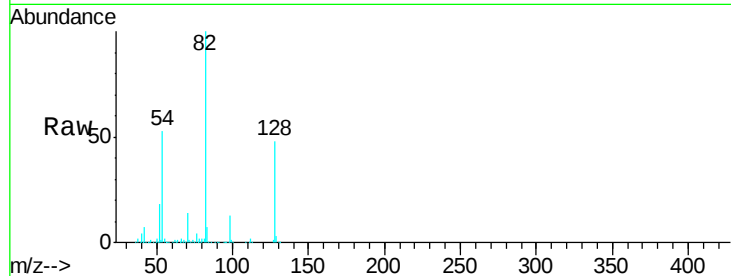
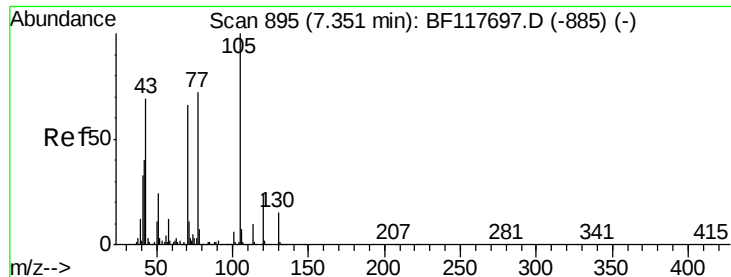


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 11.291 ng

RT: 7.49 min Scan# 919

Delta R.T. 0.14 min

Lab File: BF117720.D

Acq: 7 Nov 2019 22:15

Instrument :

BNA_F

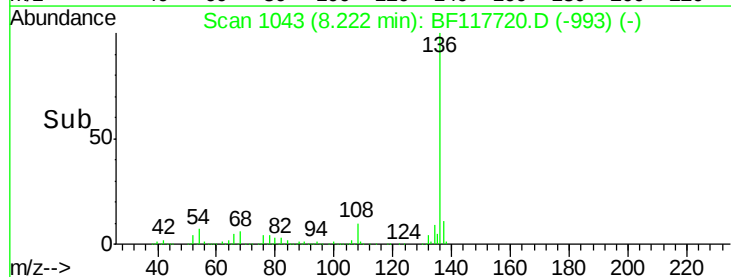
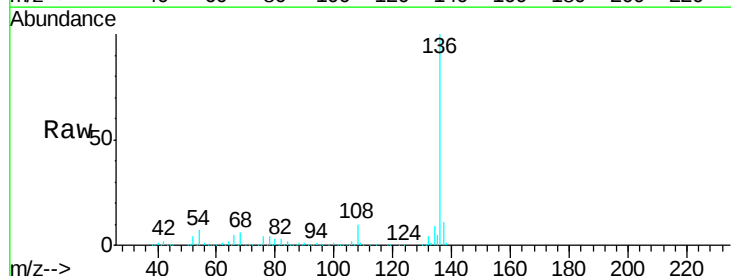
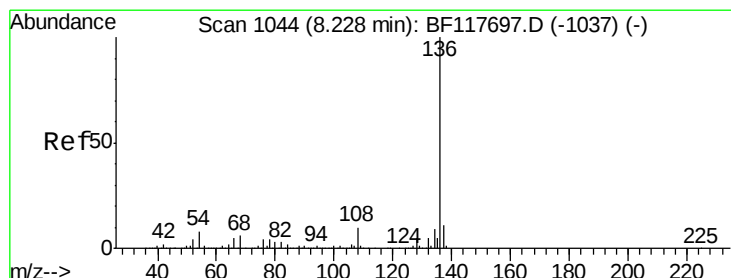
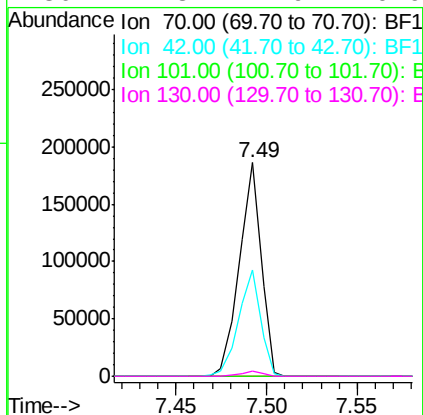
ClientSampleId :

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Tgt Ion: 70 Resp: 156714

Ion Ratio Lower Upper

70	100		
42	49.8	49.1	73.7
101	0.0	7.8	11.8#
130	2.3	17.9	26.9#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.22 min Scan# 1043

Delta R.T. -0.01 min

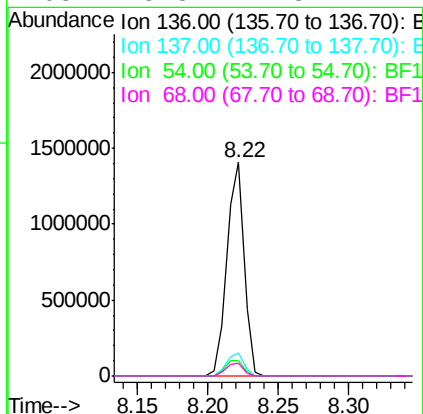
Lab File: BF117720.D

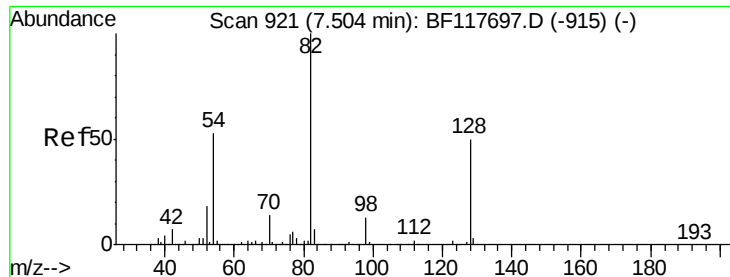
Acq: 7 Nov 2019 22:15

Tgt Ion: 136 Resp: 1190520

Ion Ratio Lower Upper

136	100		
137	11.0	8.8	13.2
54	7.4	6.0	9.0
68	5.8	4.8	7.2

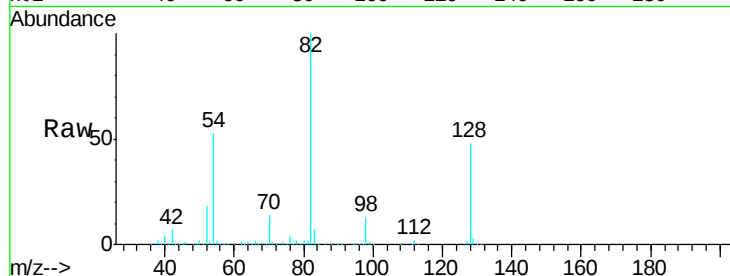




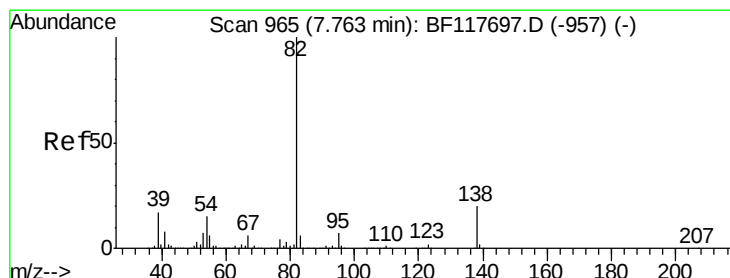
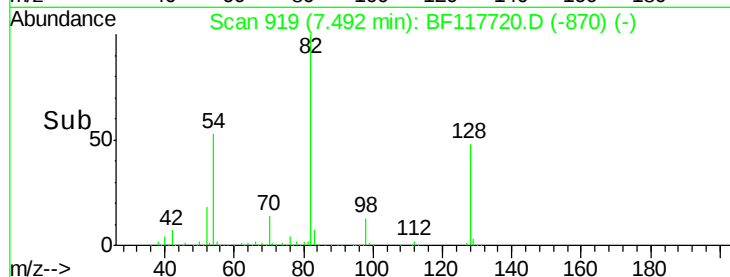
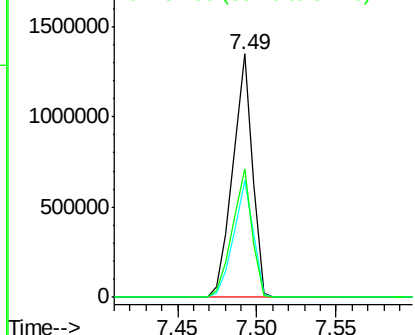
#23
Nitrobenzene-d5
Concen: 57.846 ng
RT: 7.49 min Scan# 919
Delta R.T. -0.01 min
Lab File: BF117720.D
Acq: 7 Nov 2019 22:15

Instrument :
BNA_F
ClientSampleId :
4-C

Tgt Ion: 82 Resp: 1166467
Ion Ratio Lower Upper
82 100
128 48.0 40.2 60.2
54 52.6 42.0 63.0

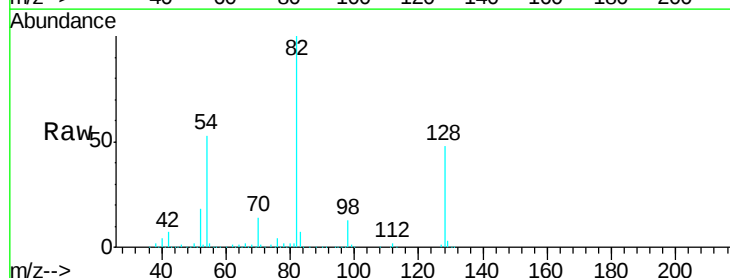


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

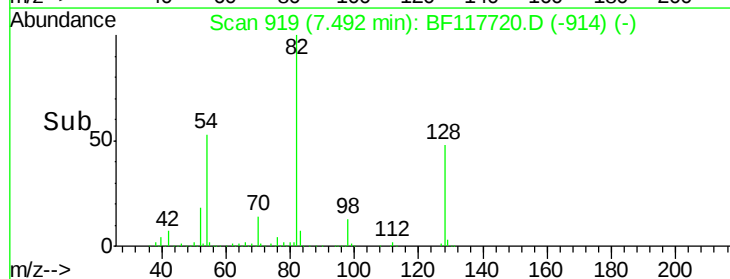
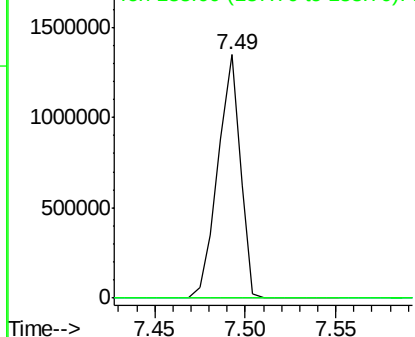


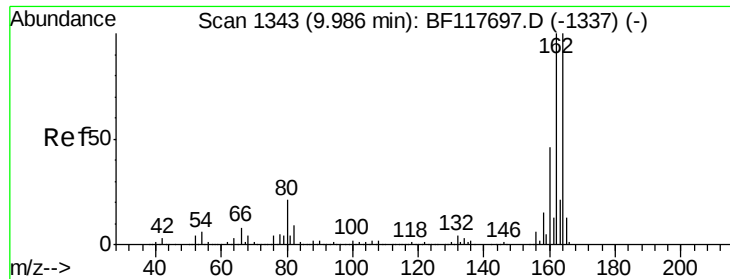
#25
Isophorone
Concen: 30.211 ng
RT: 7.49 min Scan# 919
Delta R.T. -0.27 min
Lab File: BF117720.D
Acq: 7 Nov 2019 22:15

Tgt Ion: 82 Resp: 1165189
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
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

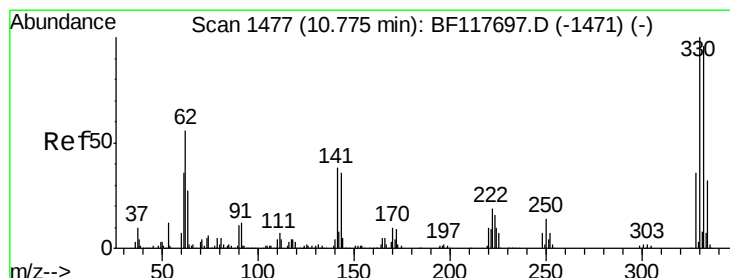
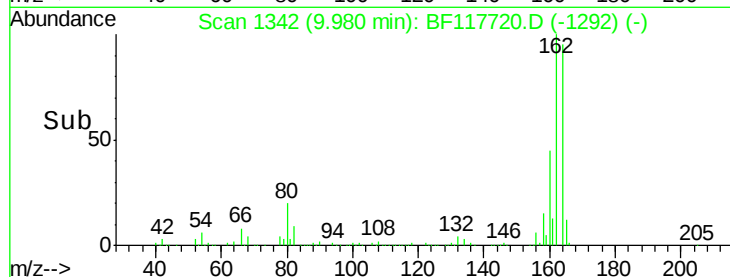
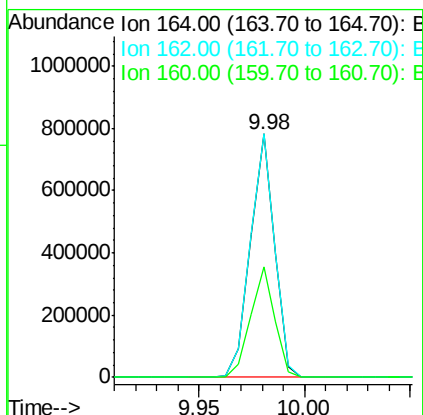
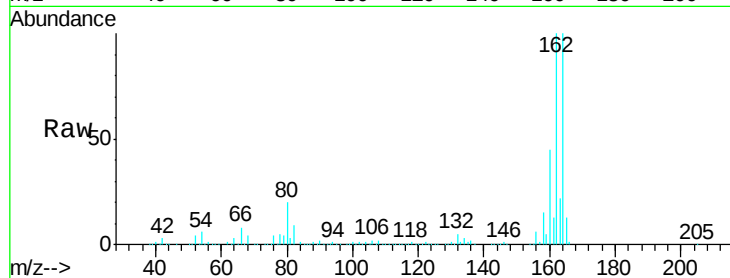




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BF117720.D
Acq: 7 Nov 2019 22:15

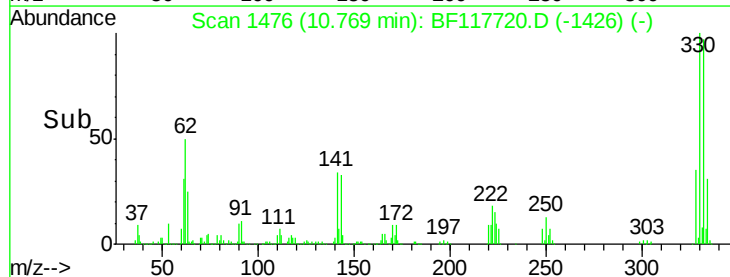
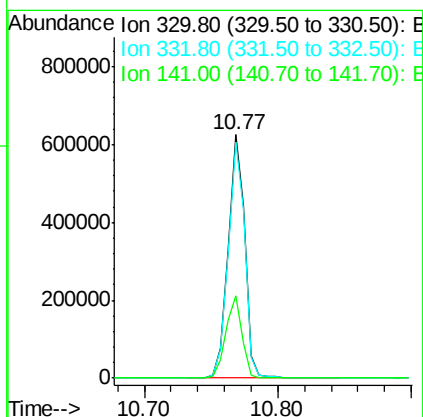
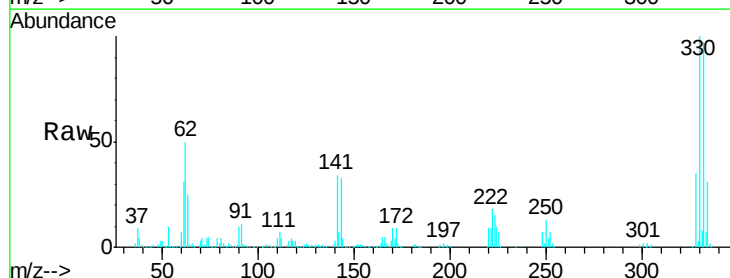
Instrument :
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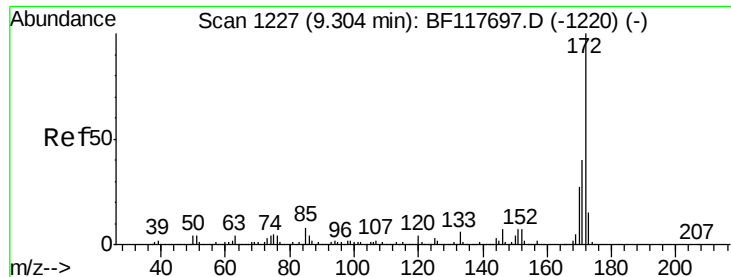
Tgt Ion:164 Resp: 626785
Ion Ratio Lower Upper
164 100
162 100.0 79.7 119.5
160 45.2 36.5 54.7



#42
2,4,6-Tribromophenol
Concen: 89.916 ng
RT: 10.77 min Scan# 1476
Delta R.T. -0.01 min
Lab File: BF117720.D
Acq: 7 Nov 2019 22:15

Tgt Ion:330 Resp: 551309
Ion Ratio Lower Upper
330 100
332 96.9 77.4 116.0
141 33.5 28.0 42.0

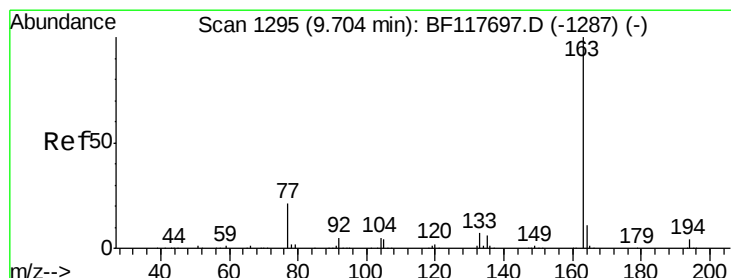
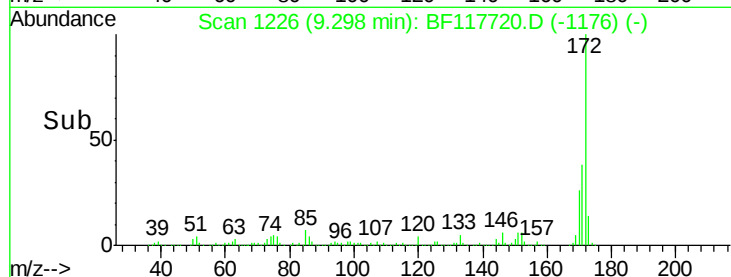
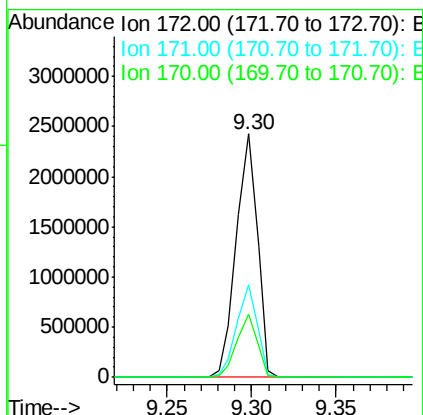
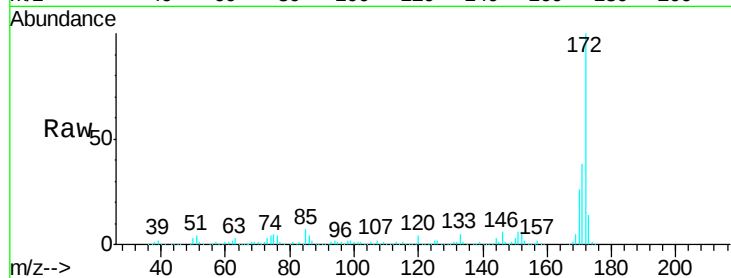




#45
2-Fluorobiphenyl
Concen: 66.981 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.01 min
Lab File: BF117720.D
Acq: 7 Nov 2019 22:15

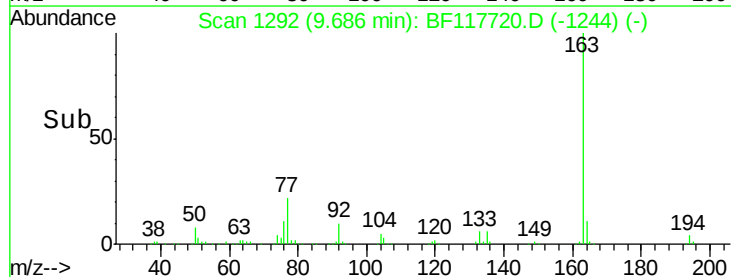
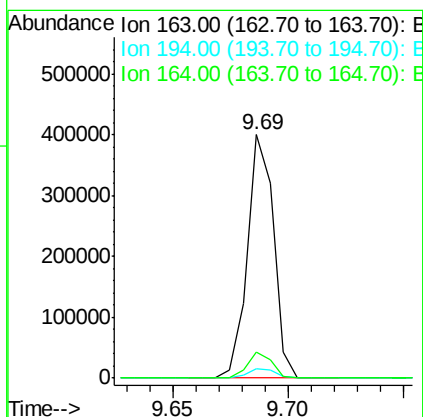
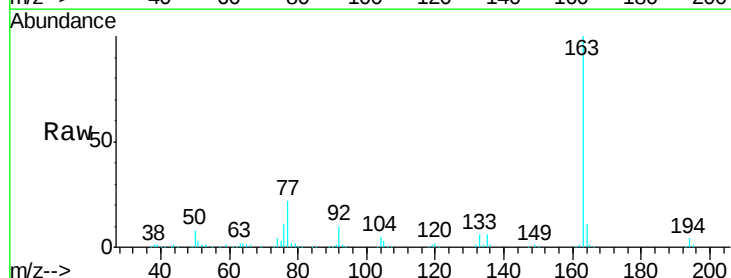
Instrument :
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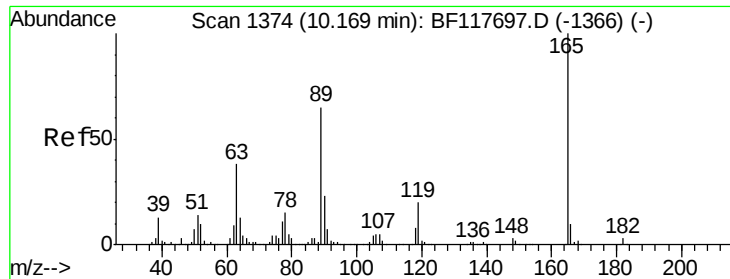
Tgt Ion:172 Resp: 2127853
Ion Ratio Lower Upper
172 100
171 38.1 31.8 47.8
170 25.7 21.6 32.4



#50
Dimethylphthalate
Concen: 7.502 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.02 min
Lab File: BF117720.D
Acq: 7 Nov 2019 22:15

Tgt Ion:163 Resp: 317893
Ion Ratio Lower Upper
163 100
194 4.0 3.4 5.0
164 10.6 8.9 13.3

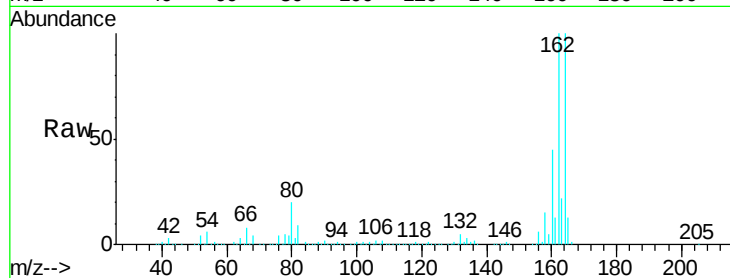




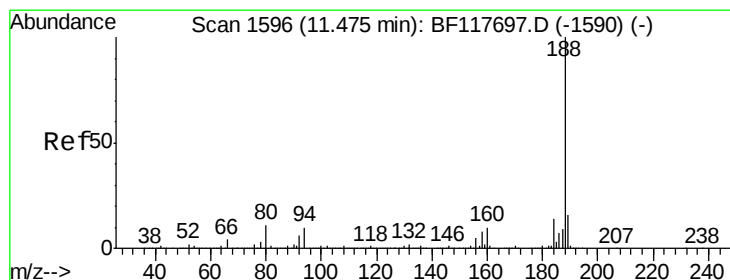
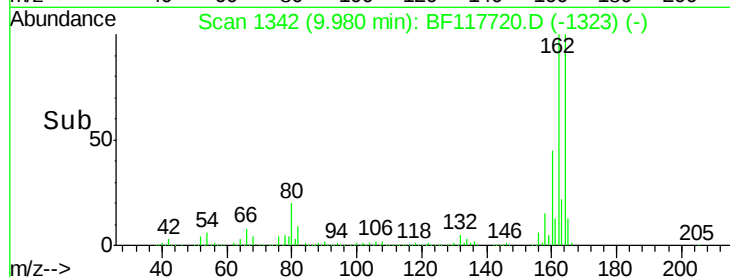
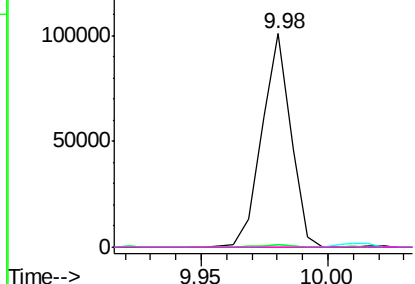
#57
 2,4-Dinitrotoluene
 Concen: 6.633 ng
 RT: 9.98 min Scan# 1342
 Delta R.T. -0.19 min
 Lab File: BF117720.D
 Acq: 7 Nov 2019 22:15

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion:	165	Resp:	80729
Ion	Ratio	Lower	Upper
165	100		
63	1.4	30.4	45.6#
89	1.3	52.2	78.4#
182	0.0	2.3	3.5#

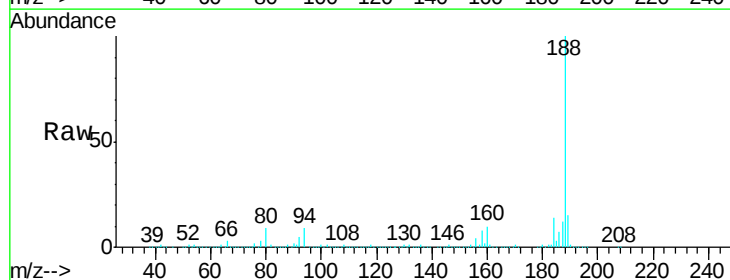


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

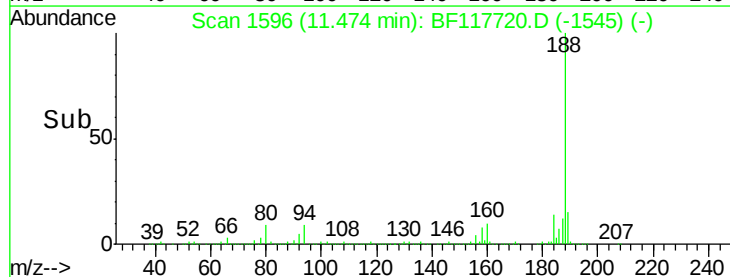
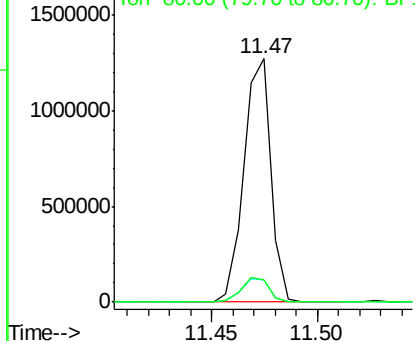


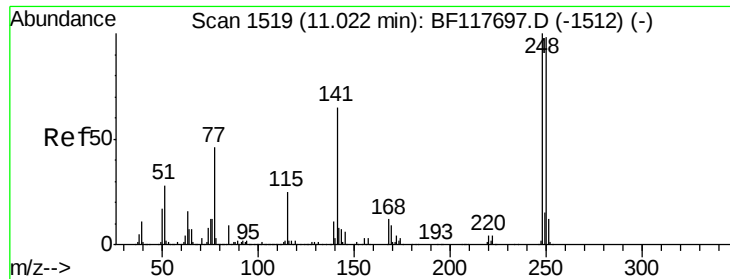
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.47 min Scan# 1596
 Delta R.T. -0.00 min
 Lab File: BF117720.D
 Acq: 7 Nov 2019 22:15

Tgt Ion:	188	Resp:	1124761
Ion	Ratio	Lower	Upper
188	100		
94	8.9	8.2	12.4
80	9.2	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

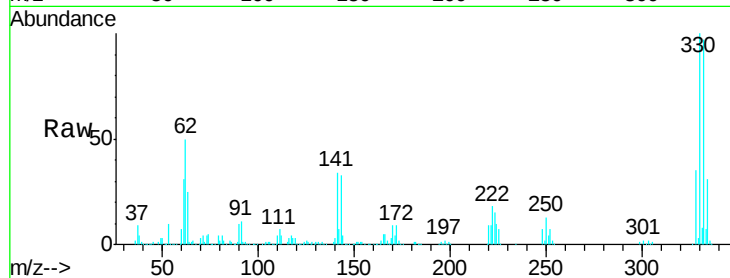




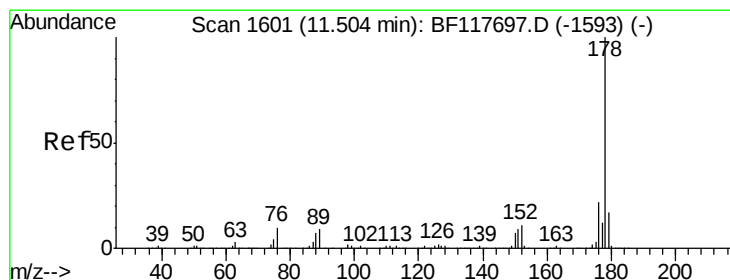
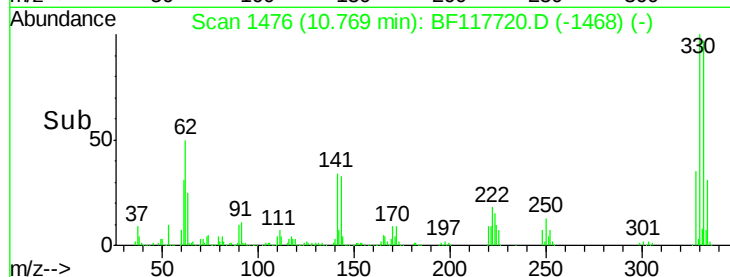
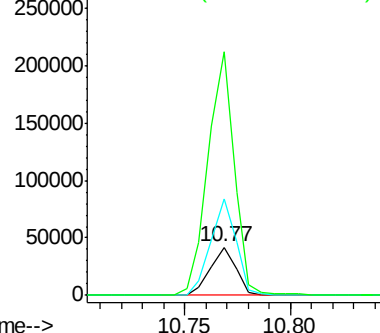
#67
 4-Bromophenyl-phenylether
 Concen: 2.879 ng
 RT: 10.77 min Scan# 1476
 Delta R.T. -0.25 min
 Lab File: BF117720.D
 Acq: 7 Nov 2019 22:15

Instrument :
 BNA_F
 ClientSampled :
 4-C

Tgt Ion:248 Resp: 35370
 Ion Ratio Lower Upper
 248 100
 250 202.0 78.7 118.1#
 141 509.2 51.8 77.8#

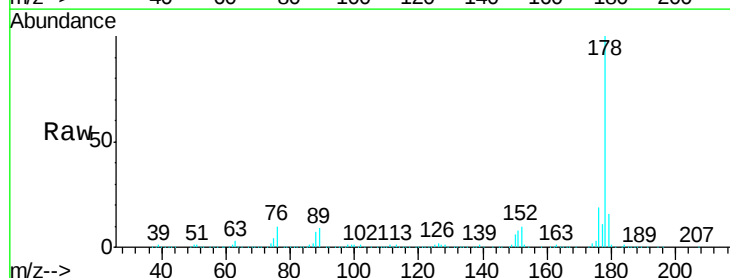


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

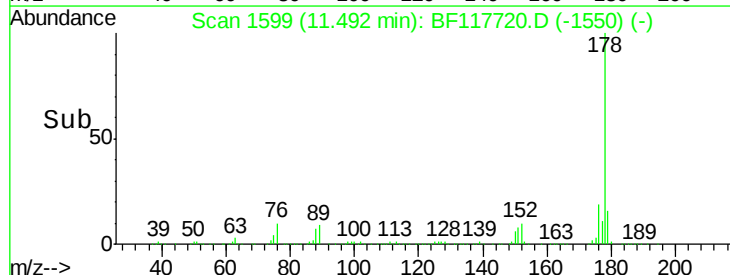
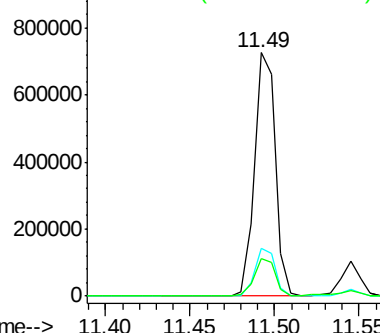


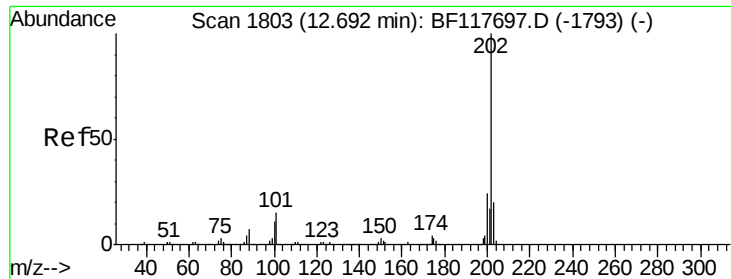
#71
 Phenanthrene
 Concen: 11.536 ng
 RT: 11.49 min Scan# 1599
 Delta R.T. -0.01 min
 Lab File: BF117720.D
 Acq: 7 Nov 2019 22:15

Tgt Ion:178 Resp: 621902
 Ion Ratio Lower Upper
 178 100
 176 19.5 17.7 26.5
 179 15.6 13.8 20.8



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: 8.777 ng

RT: 12.69 min Scan# 1802

Delta R.T. -0.01 min

Lab File: BF117720.D

Acq: 7 Nov 2019 22:15

Instrument :

BNA_F

ClientSampleId :

4-C

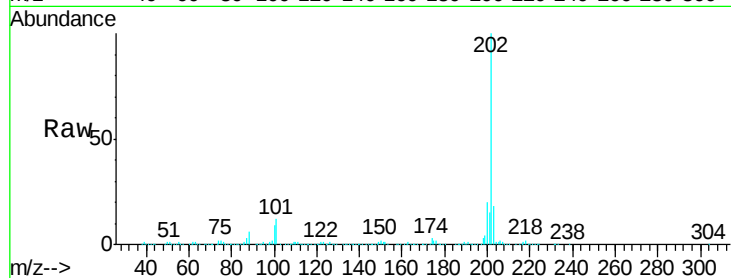
Tgt Ion:202 Resp: 483176

Ion Ratio Lower Upper

202 100

101 12.2 0.0 34.5

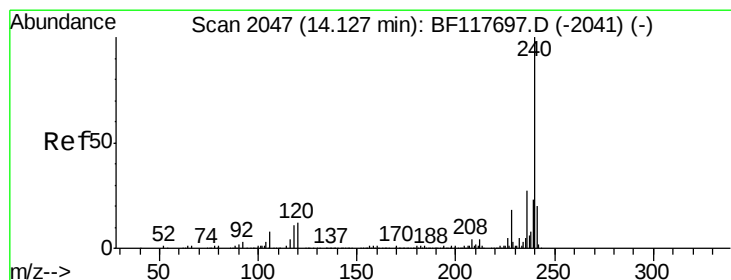
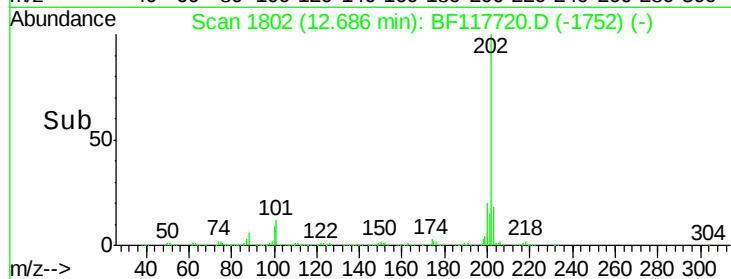
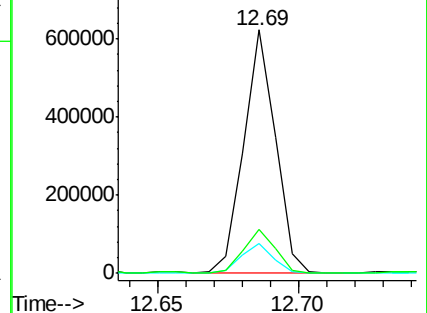
203 17.8 0.0 39.8



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: BF117720.D

Acq: 7 Nov 2019 22:15

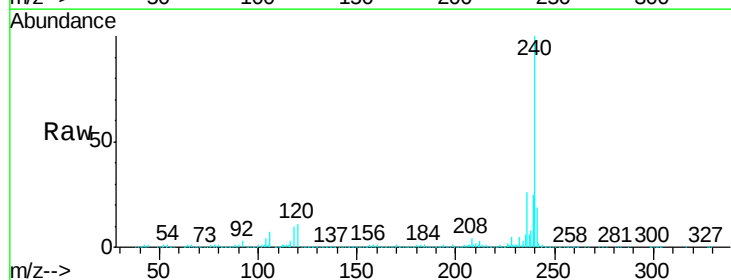
Tgt Ion:240 Resp: 763827

Ion Ratio Lower Upper

240 100

120 10.9 9.7 14.5

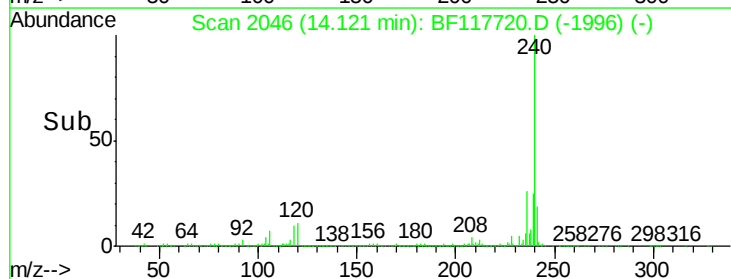
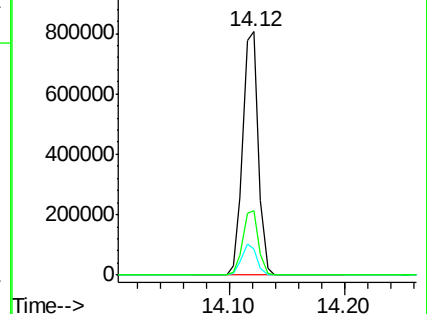
236 26.5 21.9 32.9

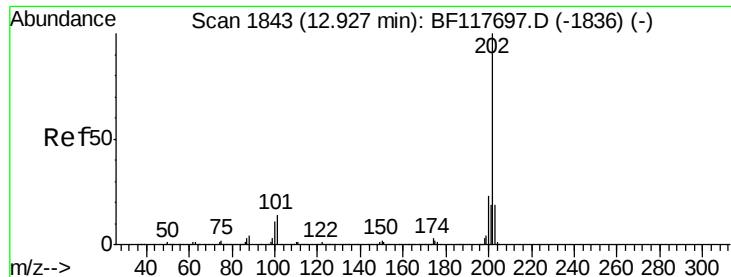


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

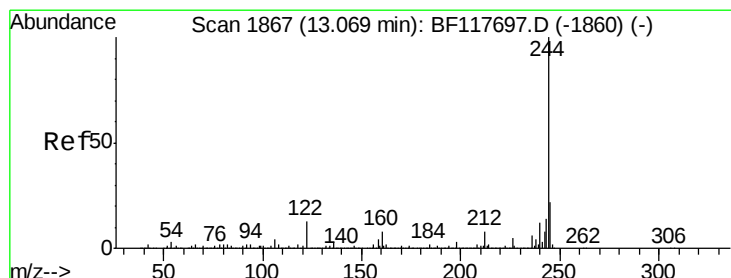
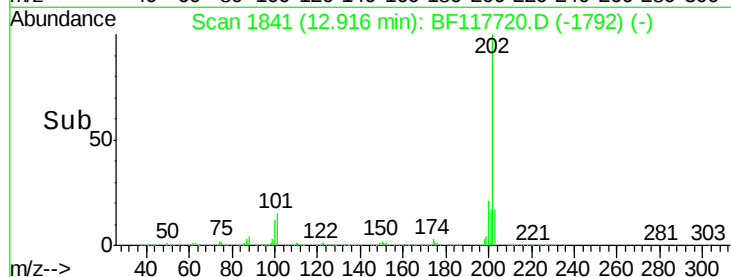
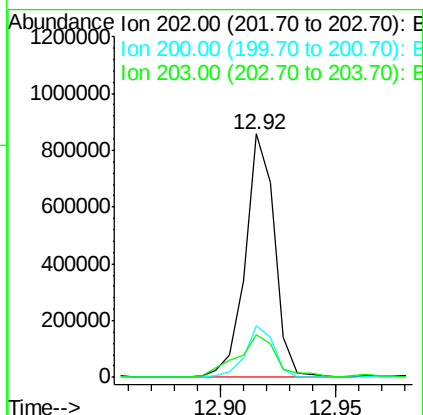
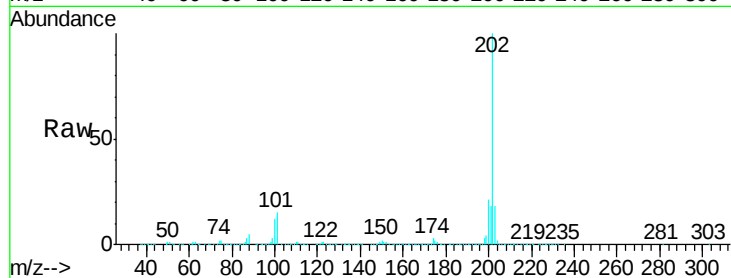




#78
 Pyrene
 Concen: 13.586 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF117720.D
 Acq: 7 Nov 2019 22:15

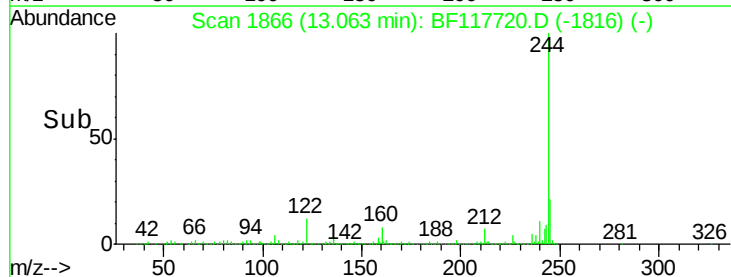
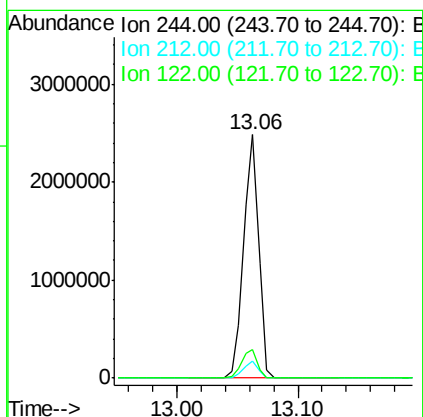
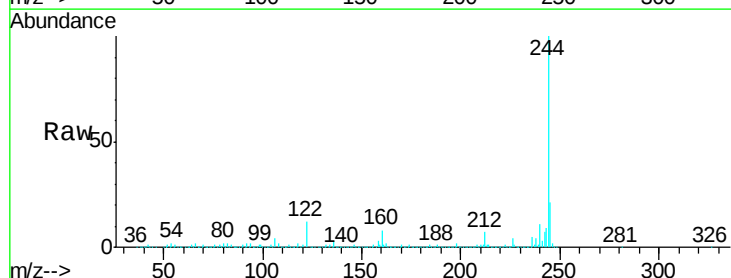
Instrument :
 BNA_F
 ClientSampleId :
 4-C

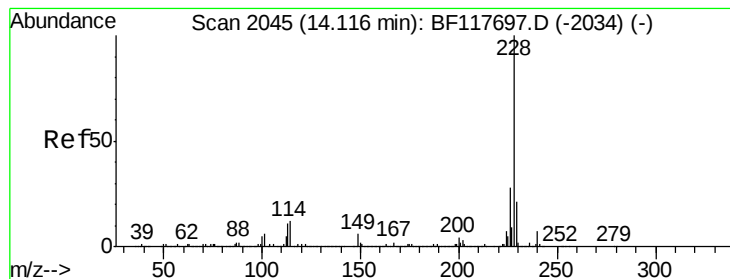
Tgt Ion:202 Resp: 757558
 Ion Ratio Lower Upper
 202 100
 200 21.4 18.8 28.2
 203 17.7 15.2 22.8



#79
 Terphenyl-d14
 Concen: 58.267 ng
 RT: 13.06 min Scan# 1866
 Delta R.T. -0.01 min
 Lab File: BF117720.D
 Acq: 7 Nov 2019 22:15

Tgt Ion:244 Resp: 2161949
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.4 9.6
 122 11.9 10.0 15.0





#81

Benzo(a)anthracene

Concen: 6.022 ng

RT: 14.11 min Scan# 2044

Delta R.T. -0.01 min

Lab File: BF117720.D

Acq: 7 Nov 2019 22:15

Instrument :

BNA_F

ClientSampleId :

4-C

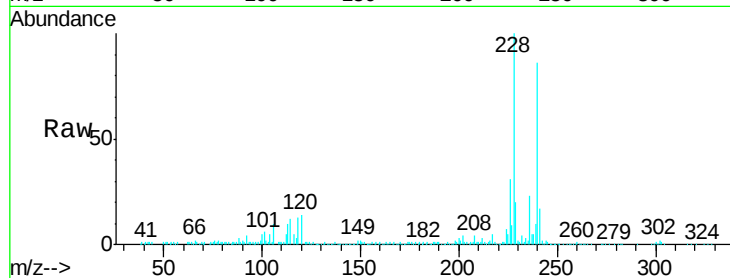
Tgt Ion:228 Resp: 286331

Ion Ratio Lower Upper

228 100

226 30.7 22.8 34.2

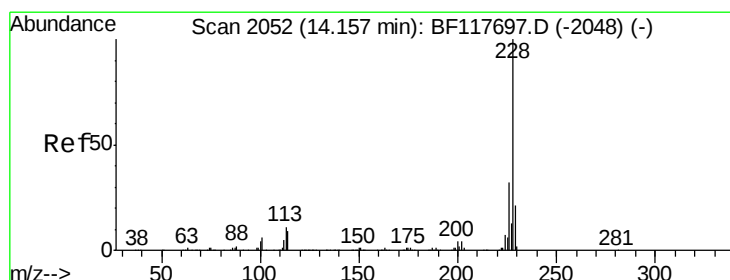
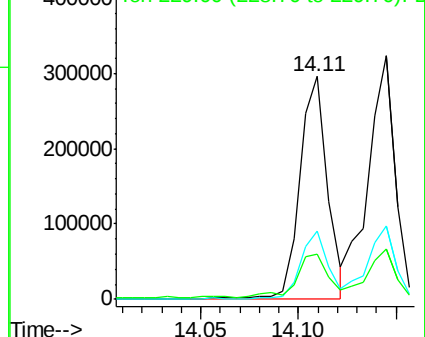
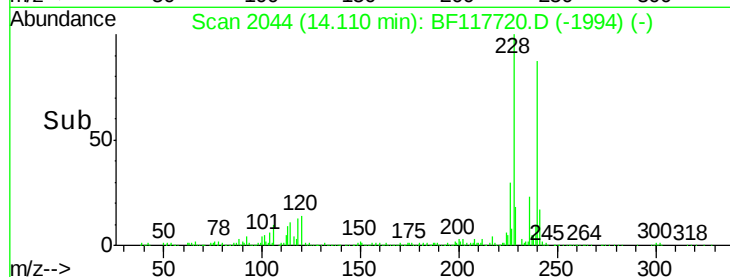
229 20.2 16.9 25.3



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: 6.618 ng

RT: 14.14 min Scan# 2050

Delta R.T. -0.01 min

Lab File: BF117720.D

Acq: 7 Nov 2019 22:15

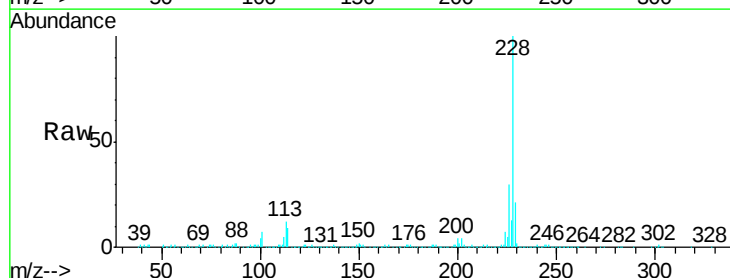
Tgt Ion:228 Resp: 310743

Ion Ratio Lower Upper

228 100

226 30.3 25.4 38.2

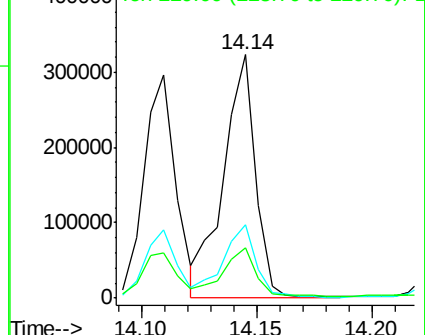
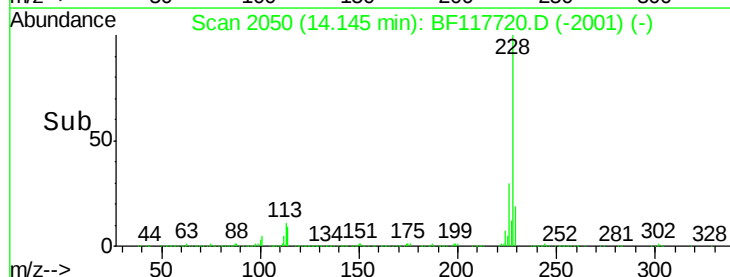
229 20.6 16.6 24.8

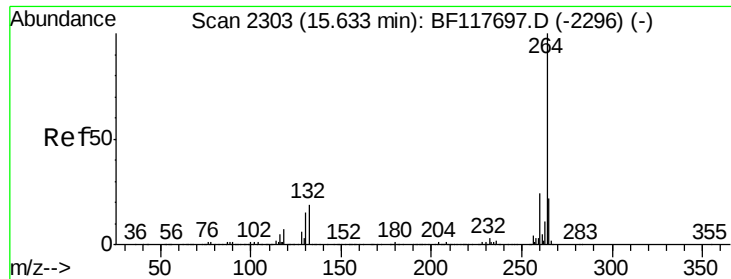


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.63 min Scan# 2302

Delta R.T. -0.01 min

Lab File: BF117720.D

Acq: 7 Nov 2019 22:15

Instrument :

BNA_F

ClientSampleId :

4-C

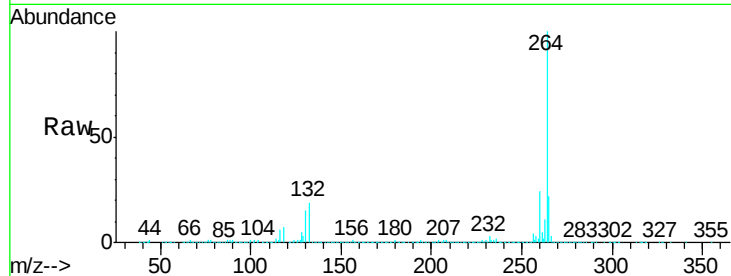
Tgt Ion:264 Resp: 901576

Ion Ratio Lower Upper

264 100

260 23.9 18.8 28.2

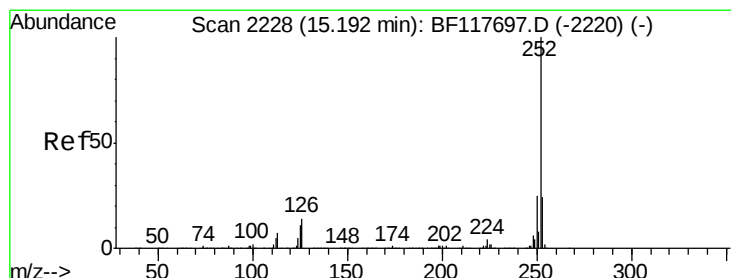
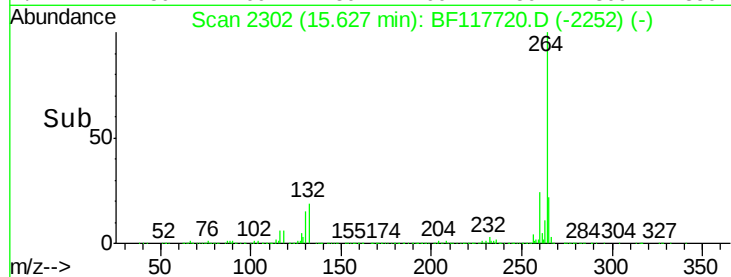
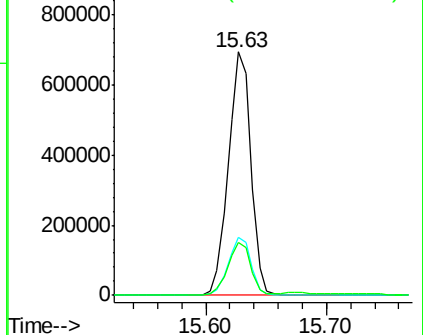
265 22.0 17.7 26.5



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: 5.501 ng

RT: 15.18 min Scan# 2226

Delta R.T. -0.01 min

Lab File: BF117720.D

Acq: 7 Nov 2019 22:15

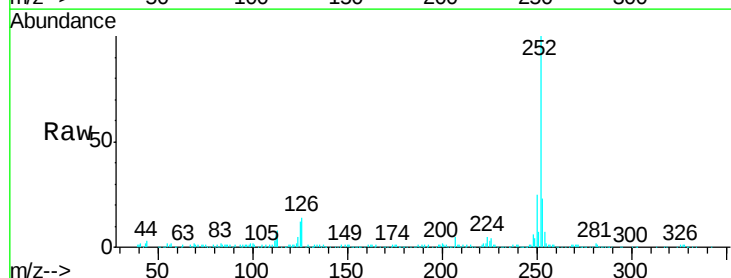
Tgt Ion:252 Resp: 312388

Ion Ratio Lower Upper

252 100

253 22.6 18.9 28.3

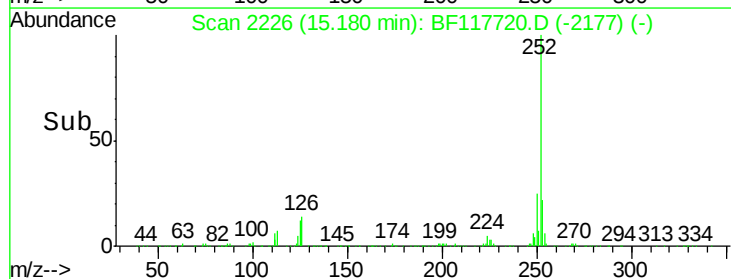
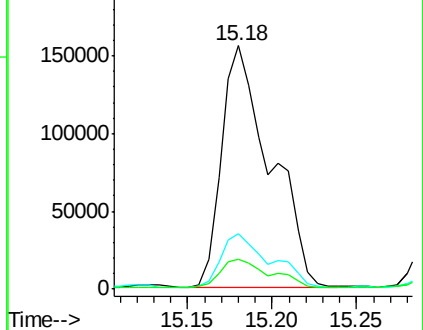
125 12.2 8.5 12.7

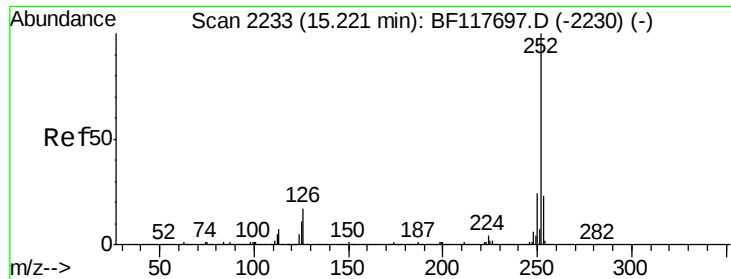


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

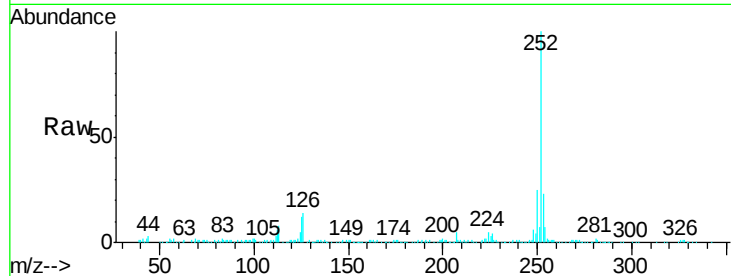




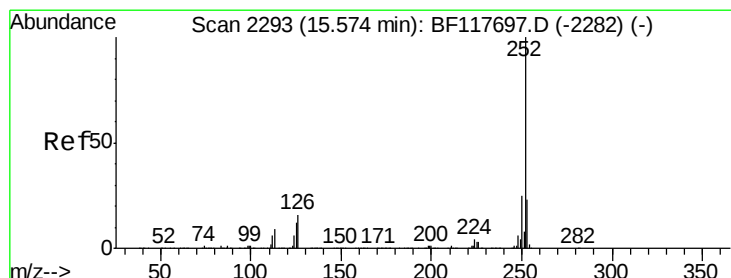
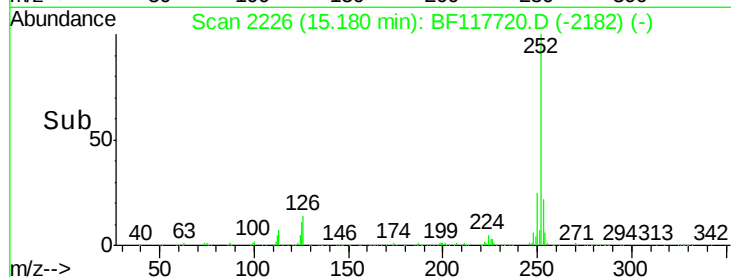
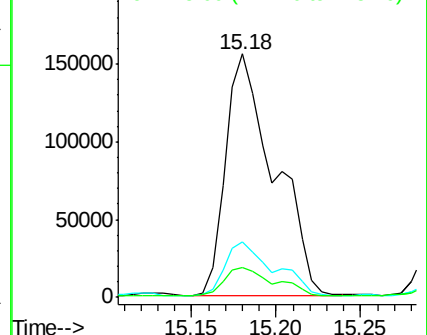
#89
Benzo(k)fluoranthene
Concen: 6.168 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.04 min
Lab File: BF117720.D
Acq: 7 Nov 2019 22:15

Instrument :
BNA_F
ClientSampleId :
4-C

Tgt Ion:252 Resp: 312388
Ion Ratio Lower Upper
252 100
253 22.6 17.9 26.9
125 12.2 9.1 13.7

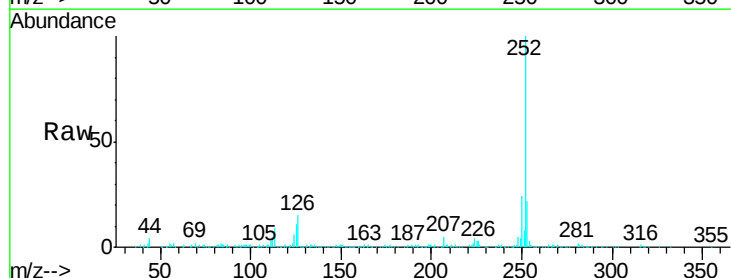


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

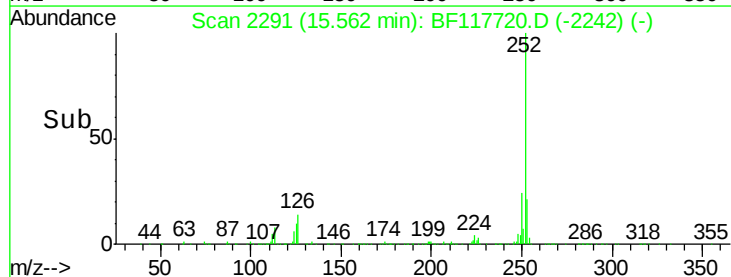
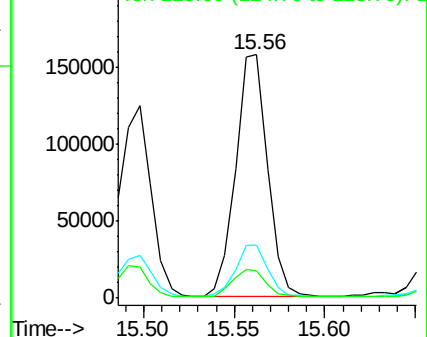


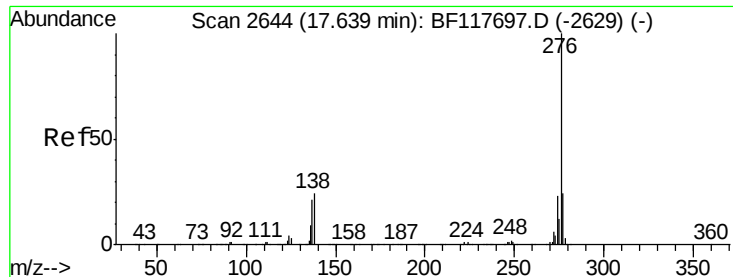
#90
Benzo(a)pyrene
Concen: 3.940 ng
RT: 15.56 min Scan# 2291
Delta R.T. -0.01 min
Lab File: BF117720.D
Acq: 7 Nov 2019 22:15

Tgt Ion:252 Resp: 193925
Ion Ratio Lower Upper
252 100
253 22.0 18.0 27.0
125 11.3 9.5 14.3



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





#92

Benzo(g,h,i)perylene

Concen: 2.193 ng

RT: 17.62 min Scan# 2640

Delta R.T. -0.02 min

Lab File: BF117720.D

Acq: 7 Nov 2019 22:15

Instrument :

BNA_F

ClientSampleId :

4-C

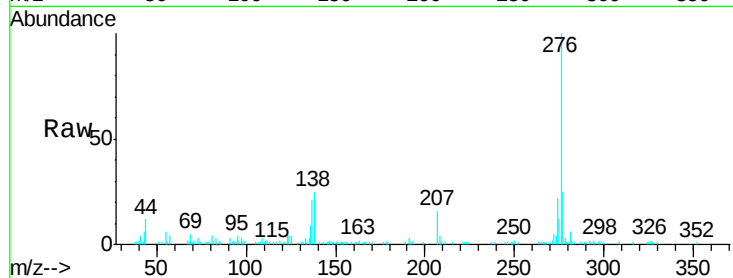
Tgt Ion: 276 Resp: 93835

Ion Ratio Lower Upper

276 100

277 25.4 19.4 29.0

138 25.1 19.2 28.8



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

