

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF110719\
 Data File : BF117712.D
 Acq On : 7 Nov 2019 18:40
 Operator : JU
 Sample : K5723-05
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 8-B

Quant Time: Nov 08 01:25:29 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	294520	20.00	ng	0.00
21) Naphthalene-d8	8.22	136	1152715	20.00	ng	0.00
39) Acenaphthene-d10	9.98	164	605658	20.00	ng	0.00
64) Phenanthrene-d10	11.47	188	1112062	20.00	ng	0.00
76) Chrysene-d12	14.12	240	715527	20.00	ng	-0.01
87) Perylene-d12	15.63	264	846340	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.55	112	1368769	84.13	ng	0.00
7) Phenol-d6	6.55	99	1734720	86.47	ng	-0.01
23) Nitrobenzene-d5	7.49	82	1022966	52.39	ng	-0.01
42) 2,4,6-Tribromophenol	10.77	330	474354	80.06	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	1790060	58.31	ng	0.00
79) Terphenyl-d14	13.06	244	1839114	52.91	ng	0.00

Target Compounds

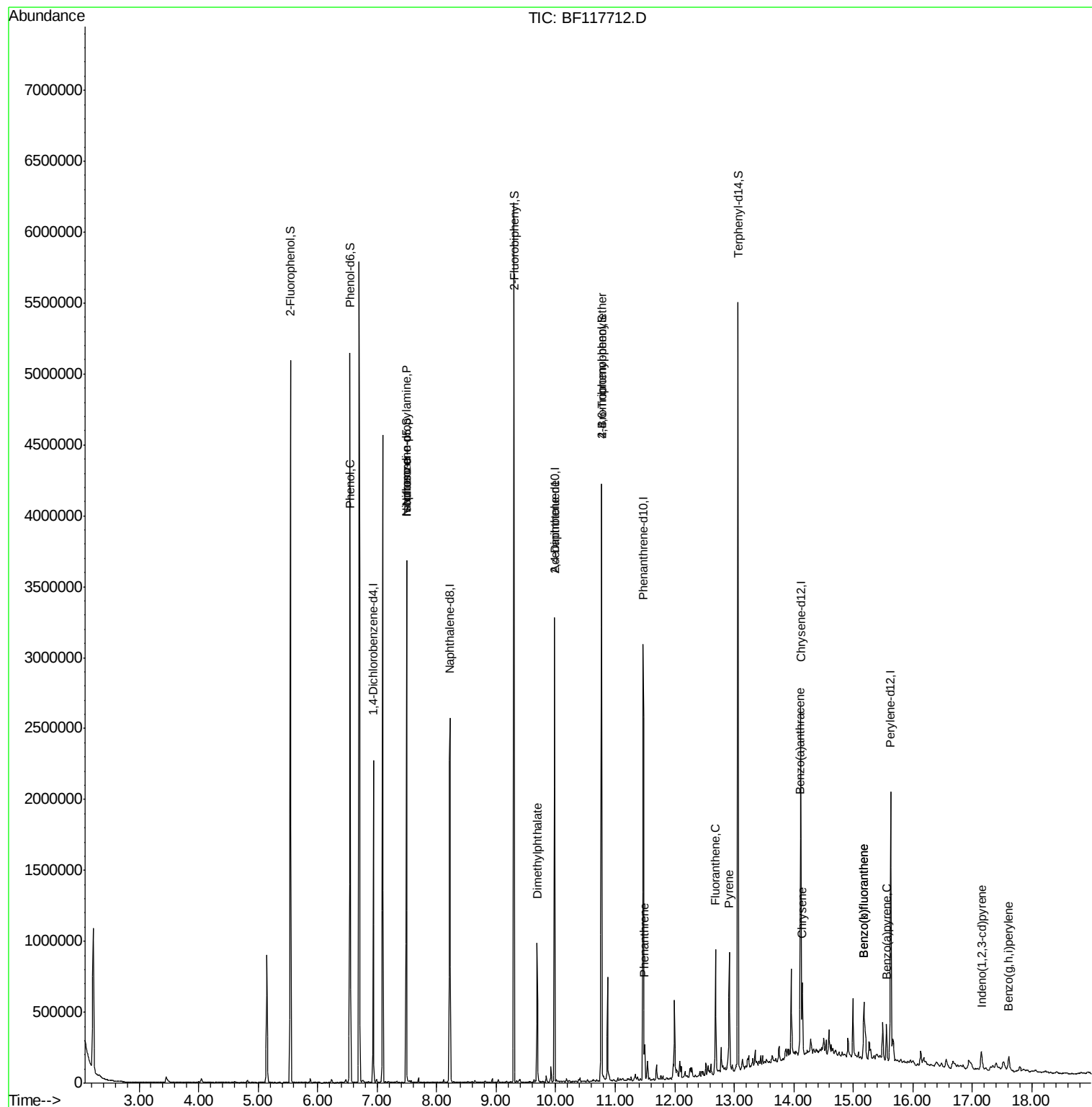
						Qvalue
10) Phenol	6.56	94	86306	3.992	ng	99
19) n-Nitroso-di-n-propylamine	7.49	70	138958	10.534	ng	# 76
25) Isophorone	7.49	82	1020397	27.325	ng	# 62
50) Dimethylphthalate	9.69	163	336679	8.223	ng	97
57) 2,4-Dinitrotoluene	9.98	165	80517	6.846	ng	# 28
67) 4-Bromophenyl-phenylether	10.77	248	28807	2.372	ng	# 1
71) Phenanthrene	11.49	178	128773	2.416	ng	94
75) Fluoranthene	12.69	202	300703	5.525	ng	94
78) Pyrene	12.92	202	303825	5.817	ng	95
81) Benzo(a)anthracene	14.10	228	155510	3.492	ng	98
83) Chrysene	14.14	228	196858	4.476	ng	99
86) Indeno(1,2,3-cd)pyrene	17.15	276	91753	2.241	ng	93
88) Benzo(b)fluoranthene	15.18	252	300938	5.646	ng	96
89) Benzo(k)fluoranthene	15.18	252	300938	6.330	ng	98
90) Benzo(a)pyrene	15.56	252	125832	2.723	ng	98
92) Benzo(g,h,i)perylene	17.61	276	82528	2.055	ng	99

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

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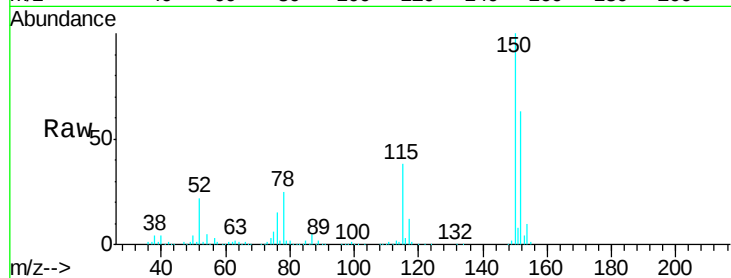


#1

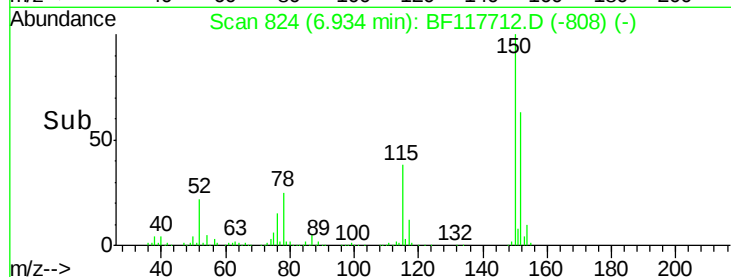
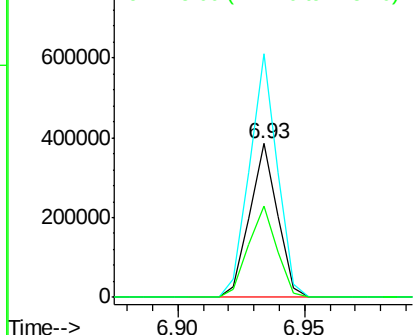
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 824
Delta R.T. -0.01 min
Lab File: BF117712.D
Acq: 7 Nov 2019 18:40

Instrument :
BNA_F
ClientSampleId :
8-B

Tgt Ion:152 Resp: 294520
Ion Ratio Lower Upper
152 100
150 158.5 121.4 182.2
115 59.6 46.7 70.1



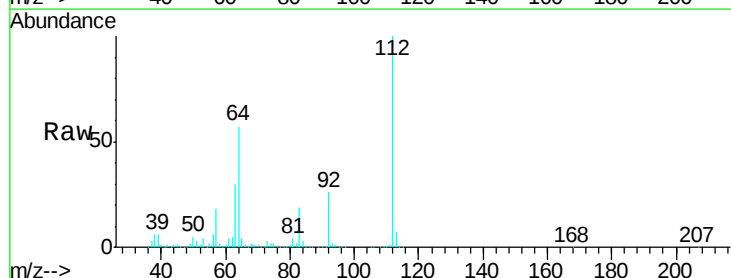
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



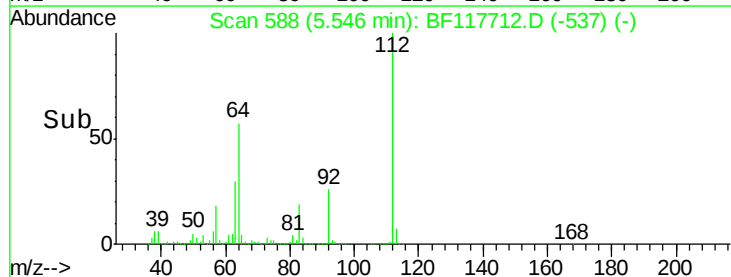
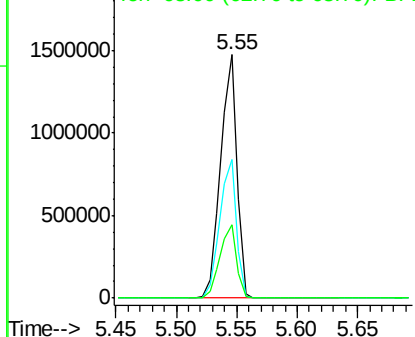
#5

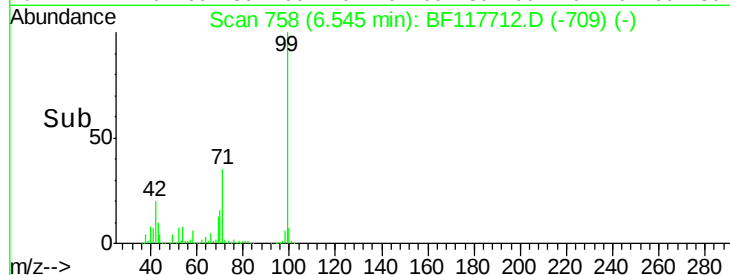
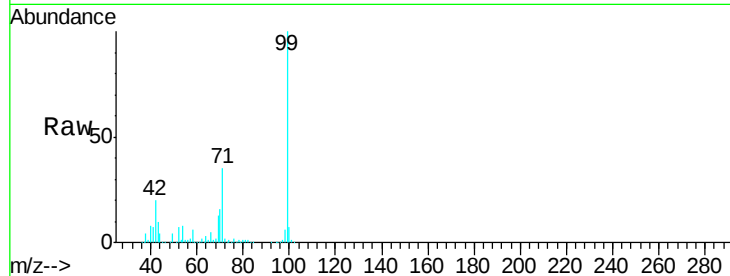
2-Fluorophenol
Concen: 84.126 ng
RT: 5.55 min Scan# 588
Delta R.T. 0.00 min
Lab File: BF117712.D
Acq: 7 Nov 2019 18:40

Tgt Ion:112 Resp: 1368769
Ion Ratio Lower Upper
112 100
64 56.7 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: 86.468 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF117712.D

Acq: 7 Nov 2019 18:40

Instrument :

BNA_F

ClientSampleId :

8-B

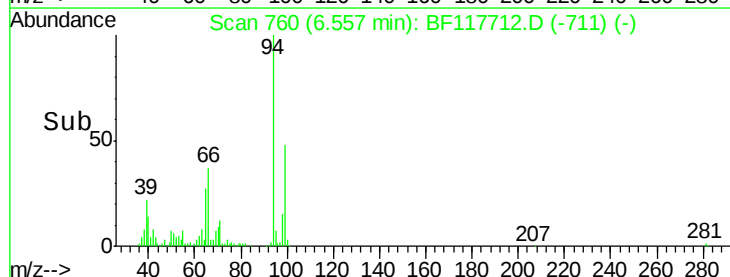
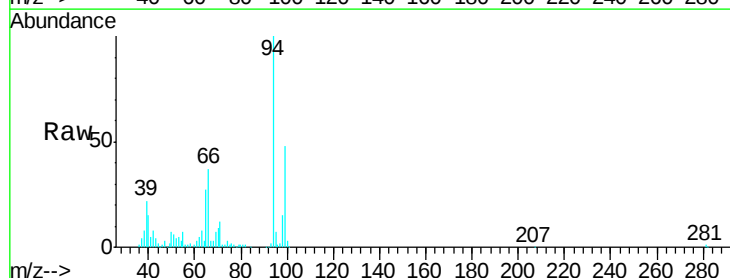
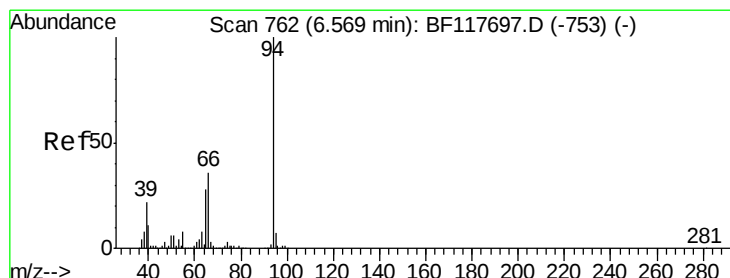
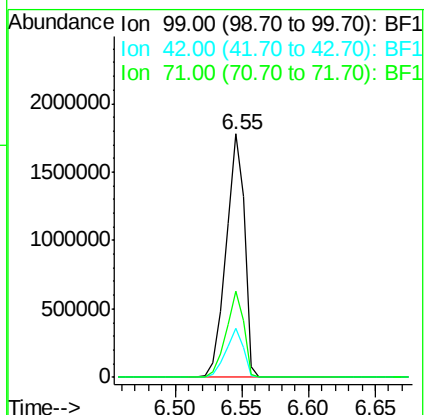
Tgt Ion: 99 Resp: 1734720

Ion Ratio Lower Upper

99 100

42 20.3 15.3 22.9

71 35.3 26.8 40.2



#10

Phenol

Concen: 3.992 ng

RT: 6.56 min Scan# 760

Delta R.T. -0.01 min

Lab File: BF117712.D

Acq: 7 Nov 2019 18:40

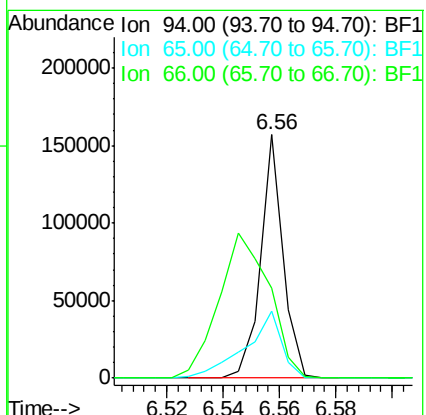
Tgt Ion: 94 Resp: 86306

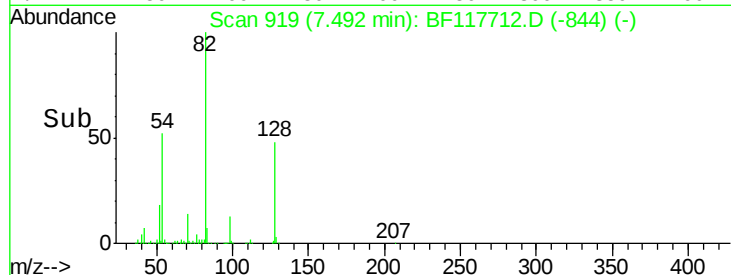
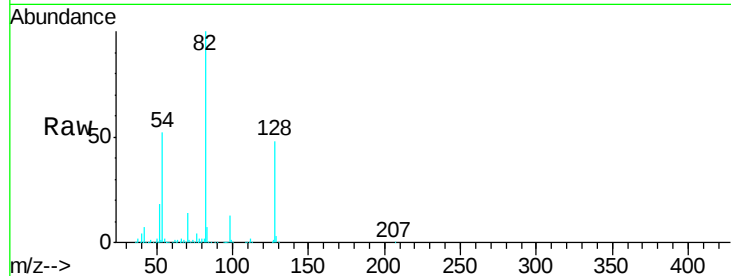
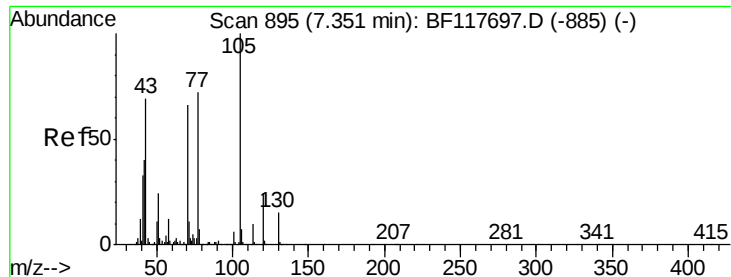
Ion Ratio Lower Upper

94 100

65 27.3 7.6 47.6

66 37.1 16.1 56.1

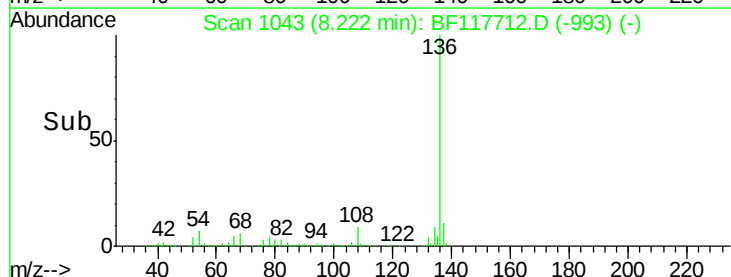
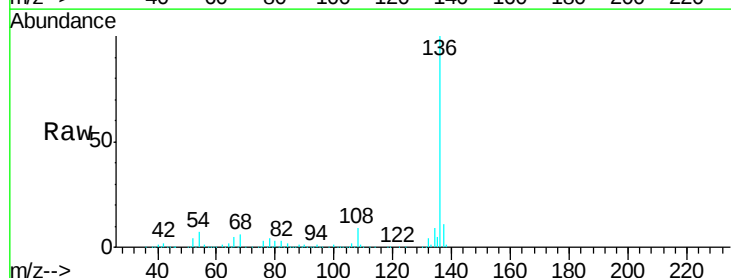
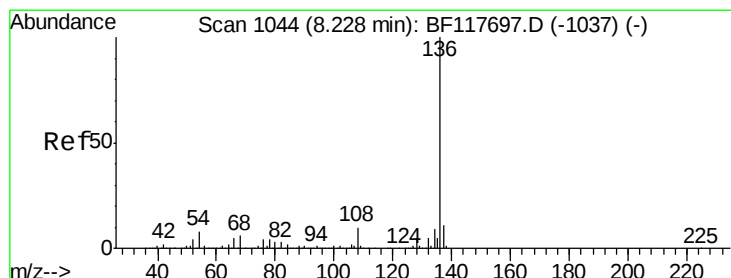
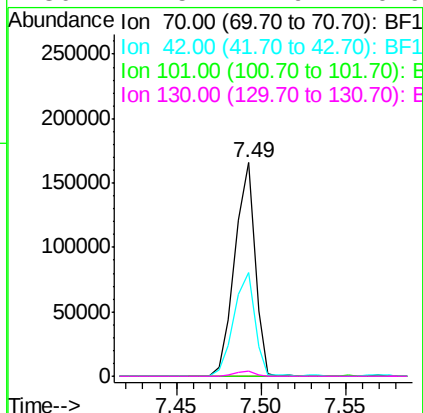




#19
n-Nitroso-di-n-propylamine
Concen: 10.534 ng
RT: 7.49 min Scan# 919
Delta R.T. 0.14 min
Lab File: BF117712.D
Acq: 7 Nov 2019 18:40

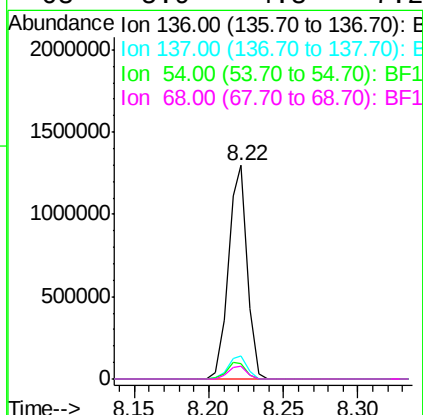
Instrument :
BNA_F
ClientSampled :
8-B

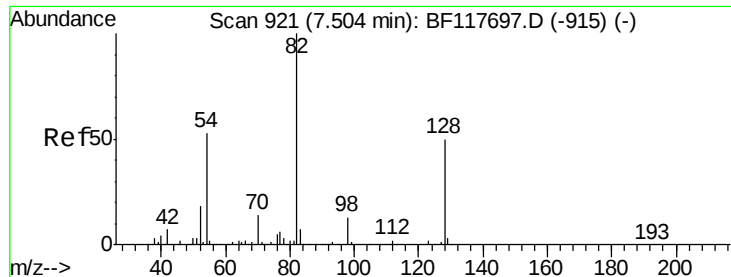
Tgt Ion: 70 Resp: 138958
Ion Ratio Lower Upper
70 100
42 48.8 49.1 73.7#
101 0.0 7.8 11.8#
130 2.5 17.9 26.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1043
Delta R.T. -0.01 min
Lab File: BF117712.D
Acq: 7 Nov 2019 18:40

Tgt Ion: 136 Resp: 1152715
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 7.5 6.0 9.0
68 5.9 4.8 7.2

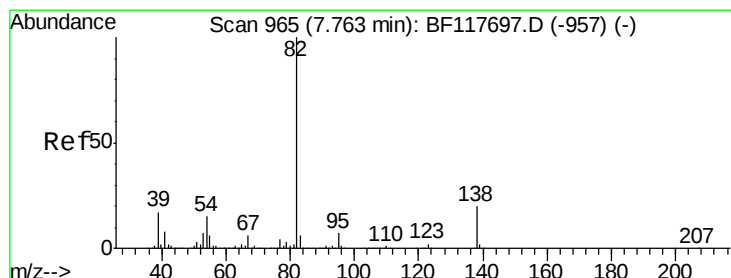
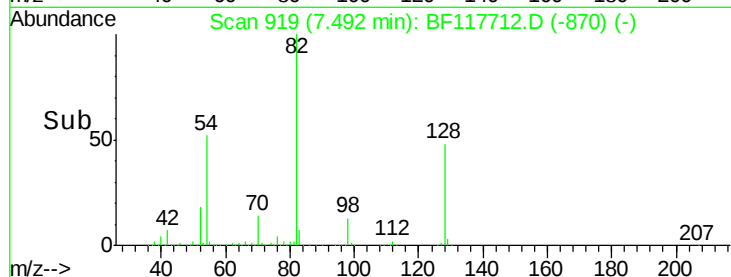
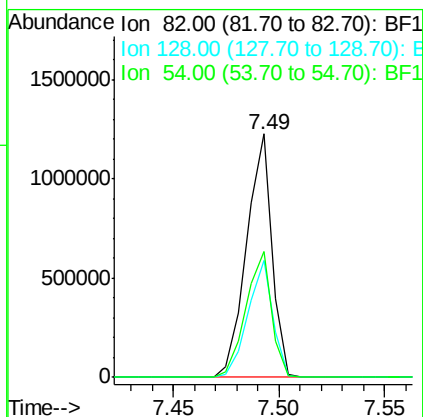
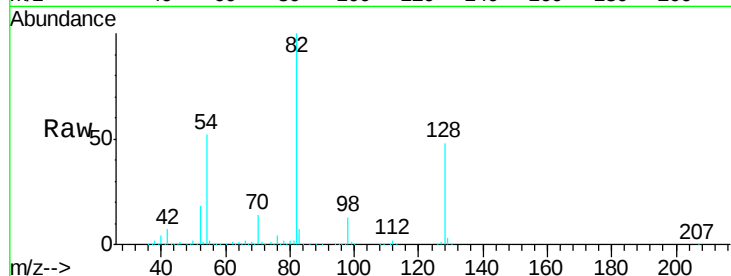




#23
Nitrobenzene-d5
Concen: 52.394 ng
RT: 7.49 min Scan# 919
Delta R.T. -0.01 min
Lab File: BF117712.D
Acq: 7 Nov 2019 18:40

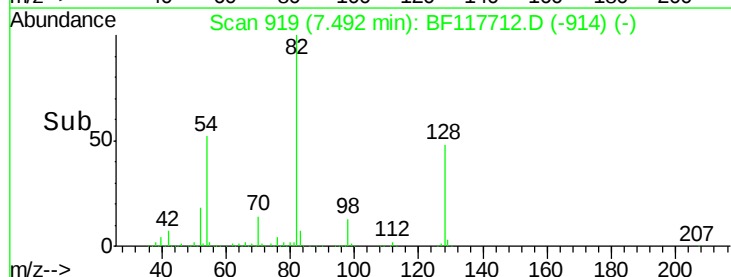
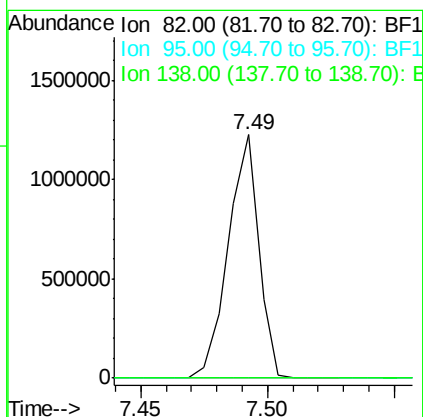
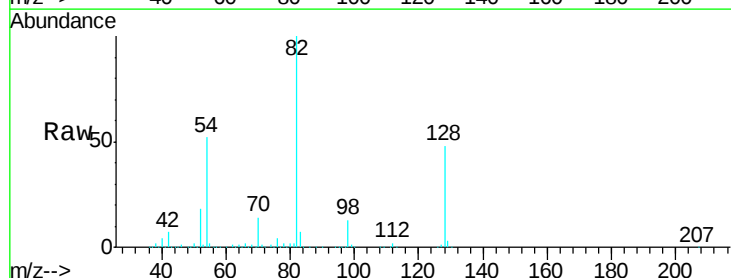
Instrument :
BNA_F
ClientSampleId :
8-B

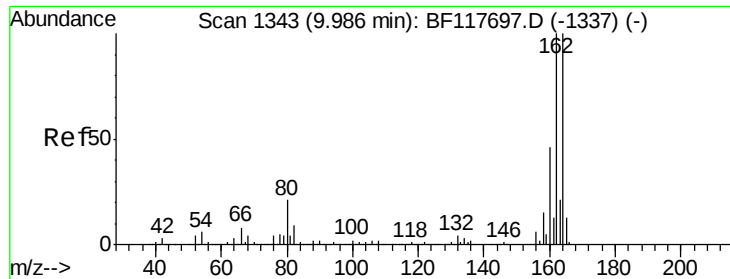
Tgt Ion: 82 Resp: 1022966
Ion Ratio Lower Upper
82 100
128 47.8 40.2 60.2
54 51.5 42.0 63.0



#25
Isophorone
Concen: 27.325 ng
RT: 7.49 min Scan# 919
Delta R.T. -0.27 min
Lab File: BF117712.D
Acq: 7 Nov 2019 18:40

Tgt Ion: 82 Resp: 1020397
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 16.2 24.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.98 min Scan# 1342

Delta R.T. -0.01 min

Lab File: BF117712.D

Acq: 7 Nov 2019 18:40

Instrument :

BNA_F

ClientSampleId :

8-B

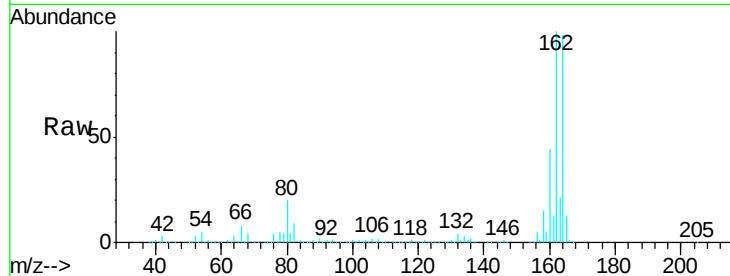
Tgt Ion:164 Resp: 605658

Ion Ratio Lower Upper

164 100

162 101.9 79.7 119.5

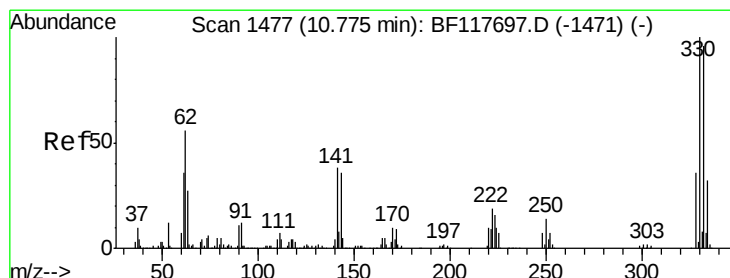
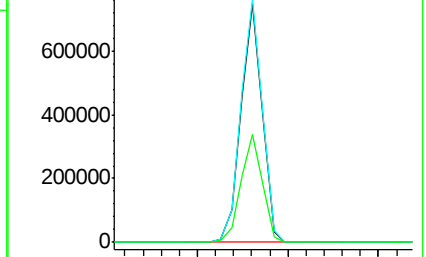
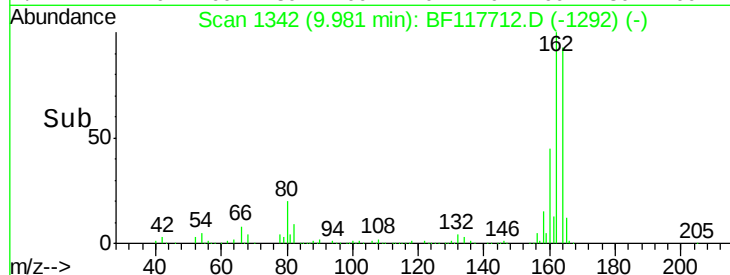
160 45.3 36.5 54.7



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: 80.064 ng

RT: 10.77 min Scan# 1476

Delta R.T. -0.01 min

Lab File: BF117712.D

Acq: 7 Nov 2019 18:40

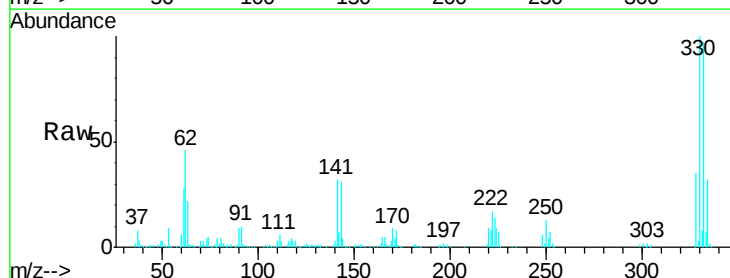
Tgt Ion:330 Resp: 474354

Ion Ratio Lower Upper

330 100

332 95.8 77.4 116.0

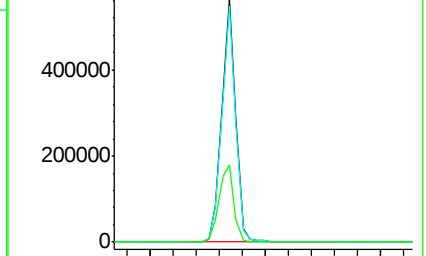
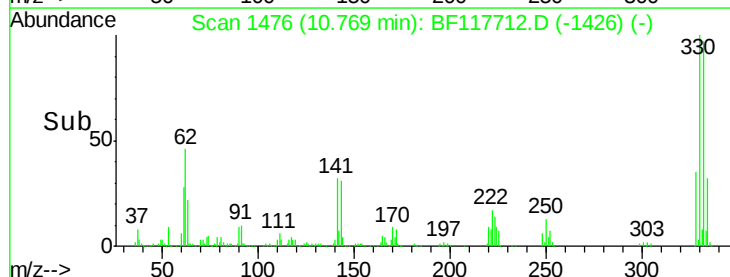
141 33.9 28.0 42.0

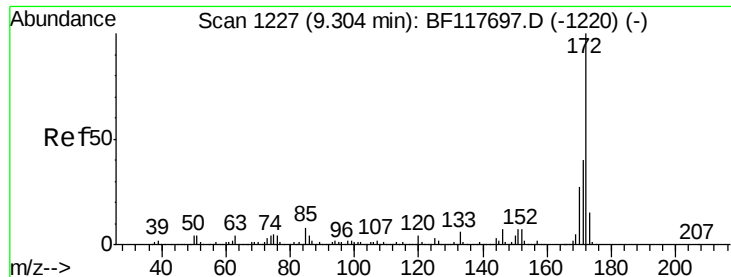


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

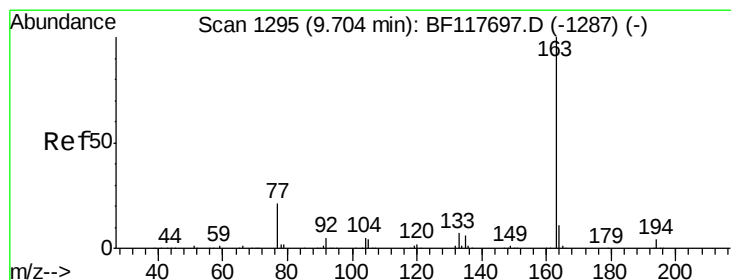
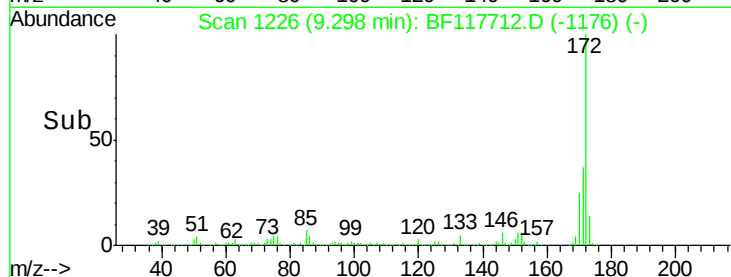
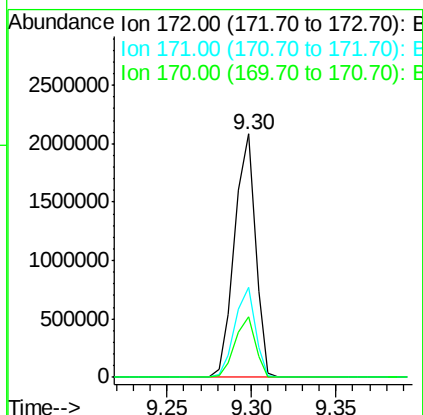
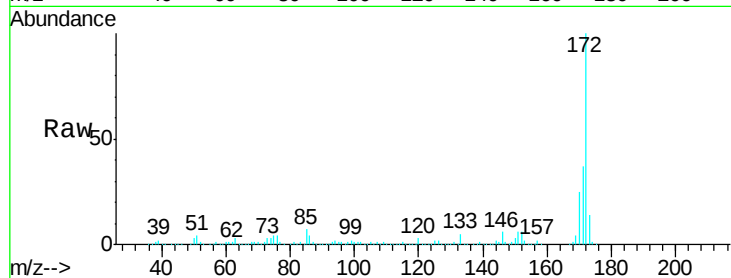




#45
2-Fluorobiphenyl
Concen: 58.314 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.01 min
Lab File: BF117712.D
Acq: 7 Nov 2019 18:40

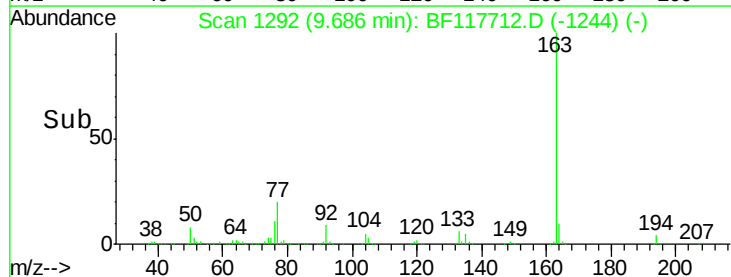
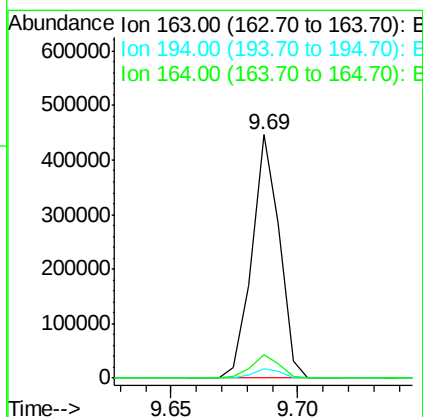
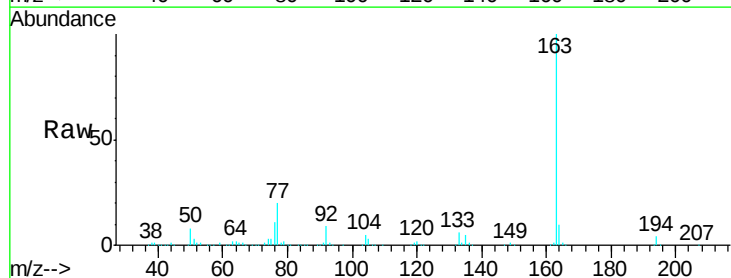
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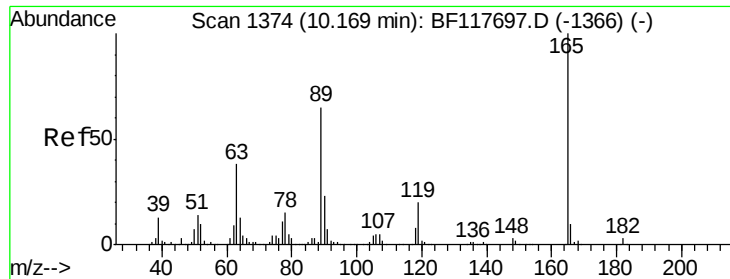
Tgt Ion:172 Resp: 1790060
Ion Ratio Lower Upper
172 100
171 36.8 31.8 47.8
170 24.9 21.6 32.4



#50
Dimethylphthalate
Concen: 8.223 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.02 min
Lab File: BF117712.D
Acq: 7 Nov 2019 18:40

Tgt Ion:163 Resp: 336679
Ion Ratio Lower Upper
163 100
194 3.9 3.4 5.0
164 9.9 8.9 13.3





#57

2,4-Dinitrotoluene

Concen: 6.846 ng

RT: 9.98 min Scan# 1342

Delta R.T. -0.19 min

Lab File: BF117712.D

Acq: 7 Nov 2019 18:40

Instrument :

BNA_F

ClientSampleId :

8-B

Tgt Ion:165 Resp: 80517

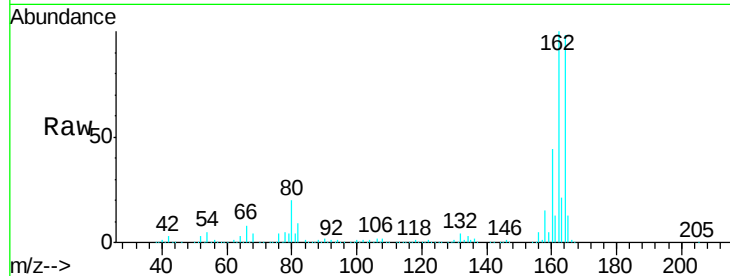
Ion Ratio Lower Upper

165 100

63 0.9 30.4 45.6#

89 1.3 52.2 78.4#

182 0.0 2.3 3.5#

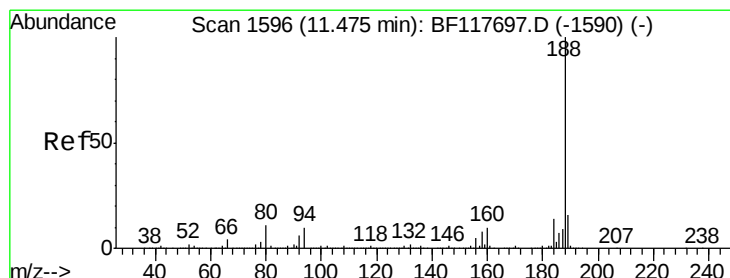
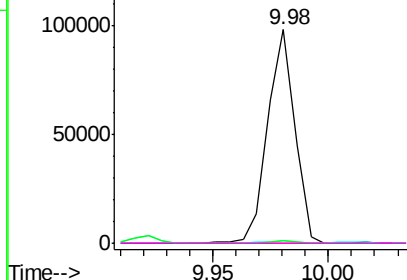
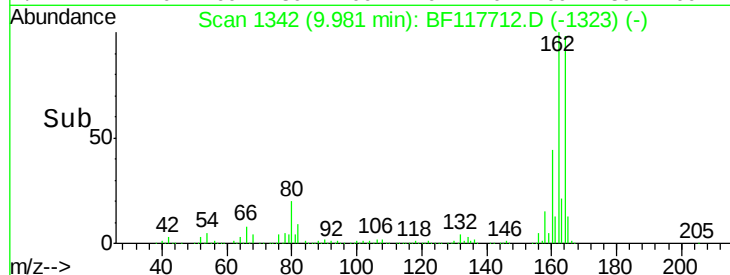


Abundance Ion 165.00 (164.70 to 165.70): E

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# 1595

Delta R.T. -0.01 min

Lab File: BF117712.D

Acq: 7 Nov 2019 18:40

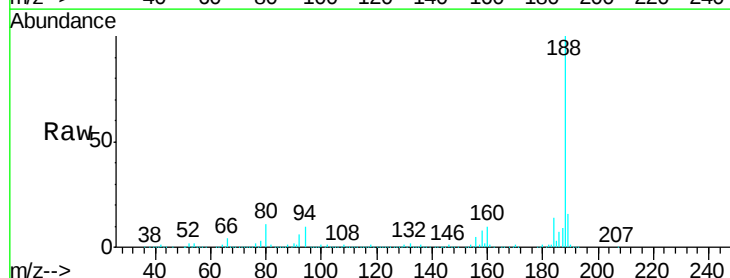
Tgt Ion:188 Resp: 1112062

Ion Ratio Lower Upper

188 100

94 10.3 8.2 12.4

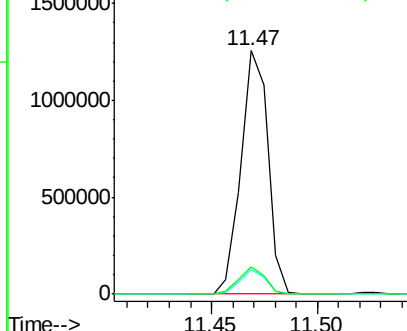
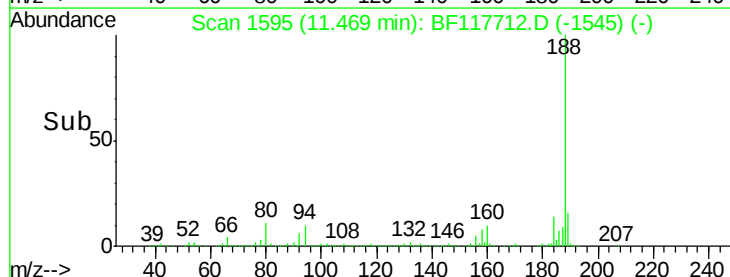
80 11.0 8.6 13.0

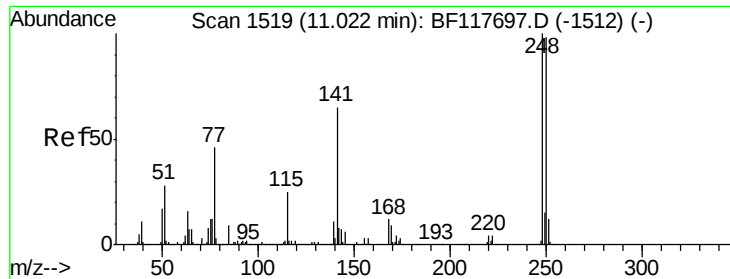


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

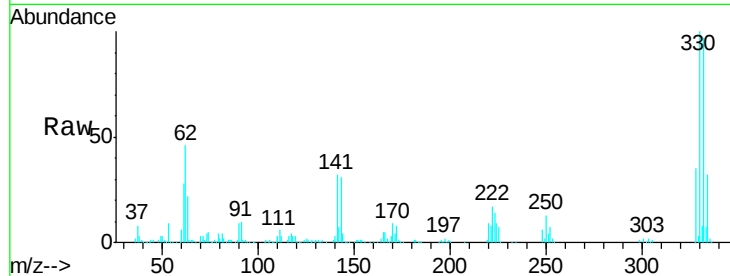




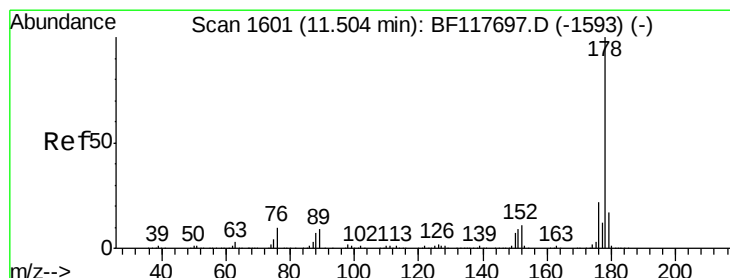
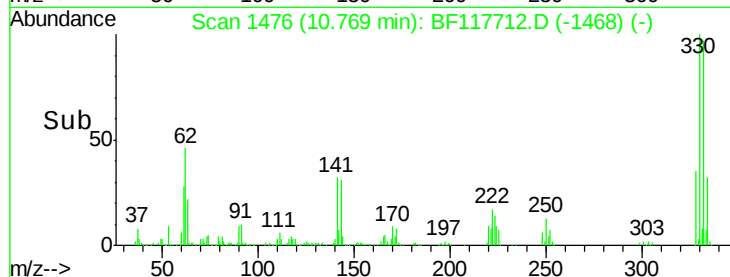
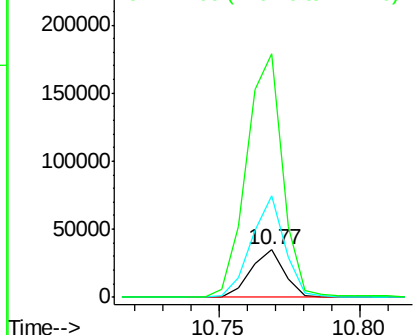
#67
 4-Bromophenyl-phenylether
 Concen: 2.372 ng
 RT: 10.77 min Scan# 1476
 Delta R.T. -0.25 min
 Lab File: BF117712.D
 Acq: 7 Nov 2019 18:40

Instrument :
 BNA_F
 ClientSampleId :
 8-B

Tgt Ion:248 Resp: 28807
 Ion Ratio Lower Upper
 248 100
 250 212.9 78.7 118.1#
 141 510.7 51.8 77.8#

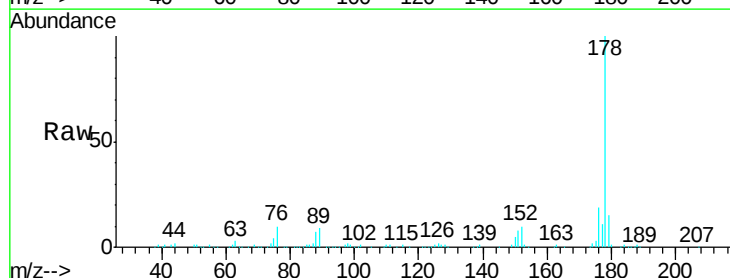


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

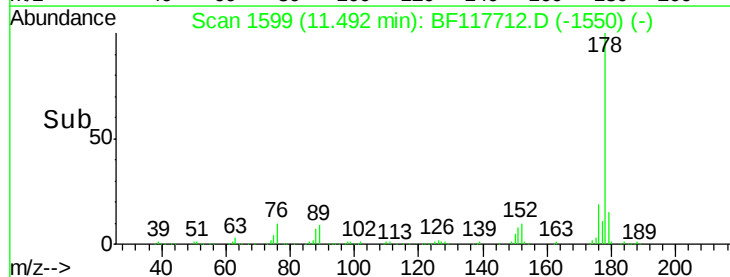
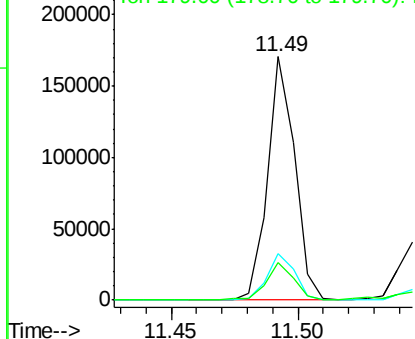


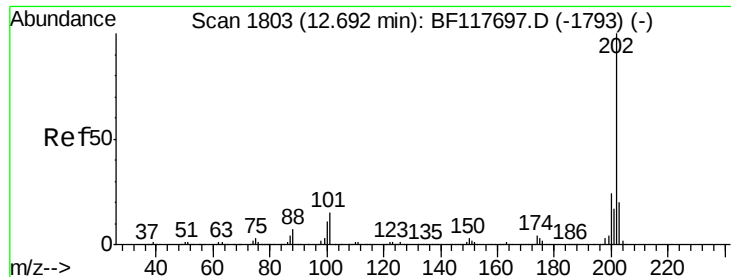
#71
 Phenanthrene
 Concen: 2.416 ng
 RT: 11.49 min Scan# 1599
 Delta R.T. -0.01 min
 Lab File: BF117712.D
 Acq: 7 Nov 2019 18:40

Tgt Ion:178 Resp: 128773
 Ion Ratio Lower Upper
 178 100
 176 19.0 17.7 26.5
 179 15.3 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: 5.525 ng

RT: 12.69 min Scan# 1802

Delta R.T. -0.01 min

Lab File: BF117712.D

Acq: 7 Nov 2019 18:40

Instrument :

BNA_F

ClientSampleId :

8-B

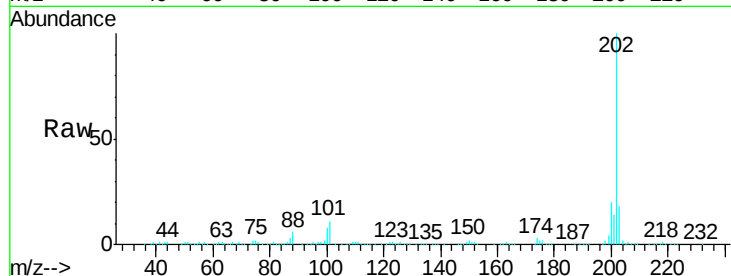
Tgt Ion:202 Resp: 300703

Ion Ratio Lower Upper

202 100

101 11.3 0.0 34.5

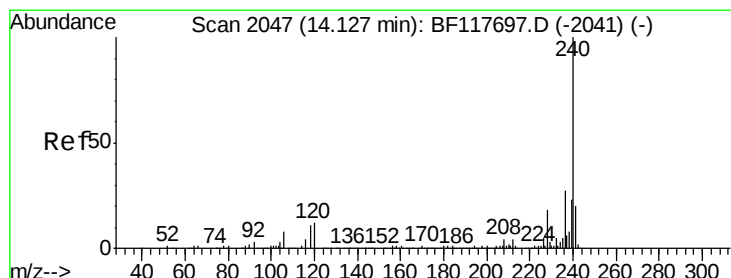
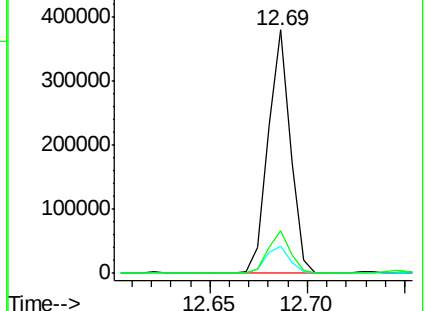
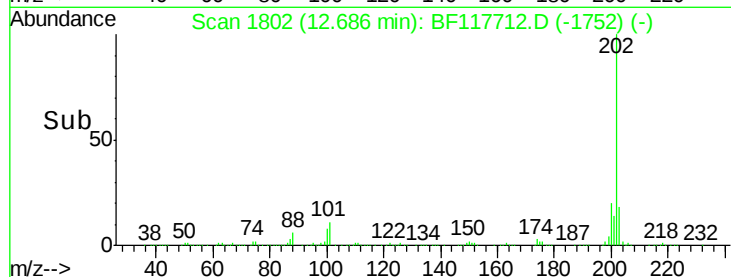
203 17.5 0.0 39.8



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# 2045

Delta R.T. -0.01 min

Lab File: BF117712.D

Acq: 7 Nov 2019 18:40

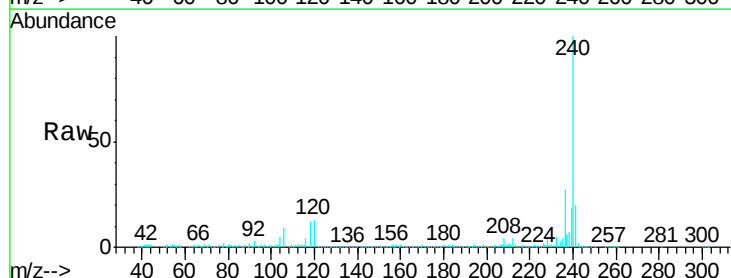
Tgt Ion:240 Resp: 715527

Ion Ratio Lower Upper

240 100

120 13.0 9.7 14.5

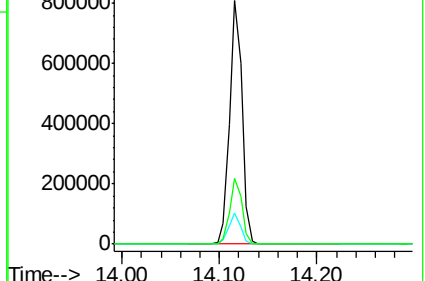
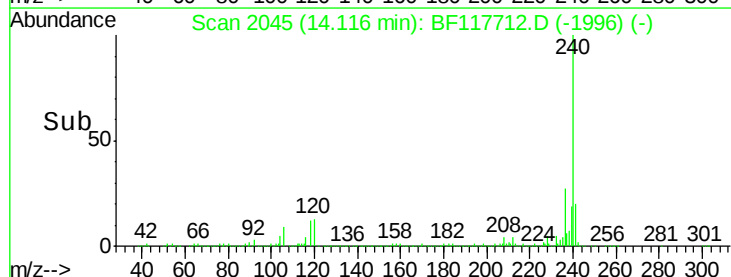
236 27.1 21.9 32.9

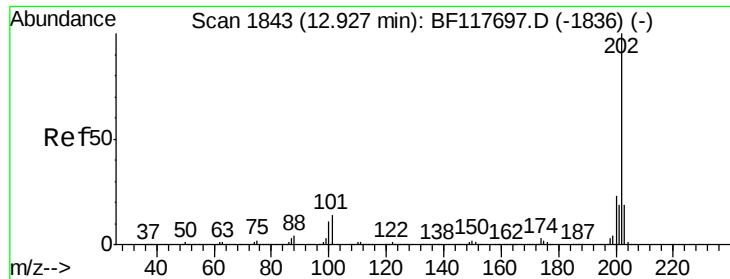


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

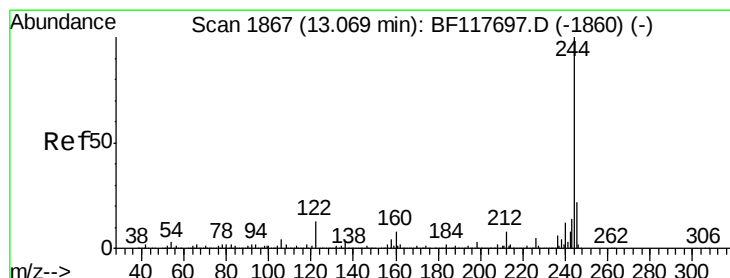
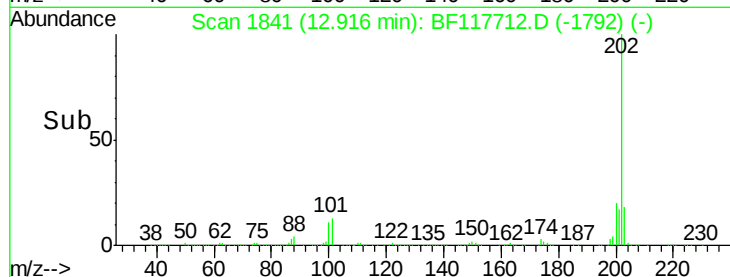
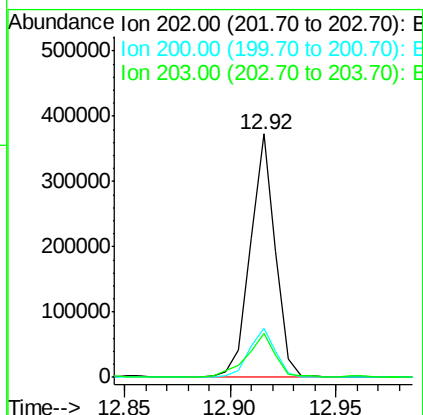
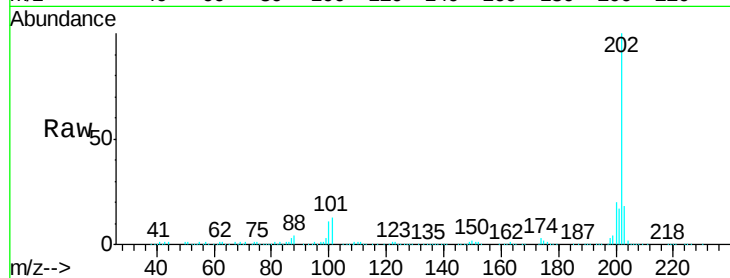




#78
Pyrene
Concen: 5.817 ng
RT: 12.92 min Scan# 1841
Delta R.T. -0.01 min
Lab File: BF117712.D
Acq: 7 Nov 2019 18:40

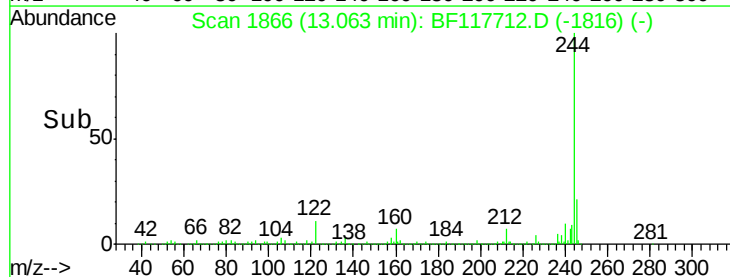
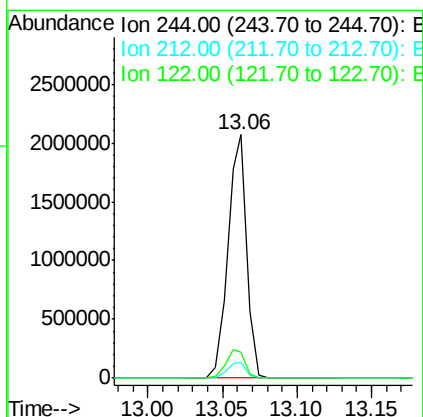
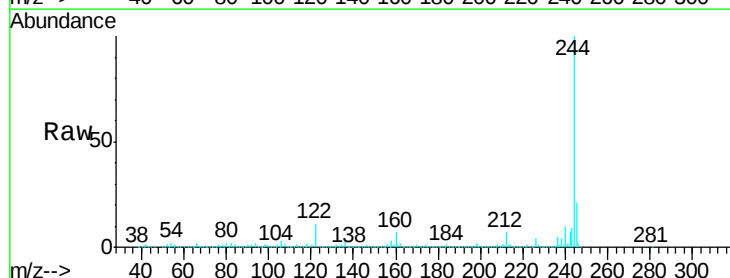
Instrument :
BNA_F
ClientSampleId :
8-B

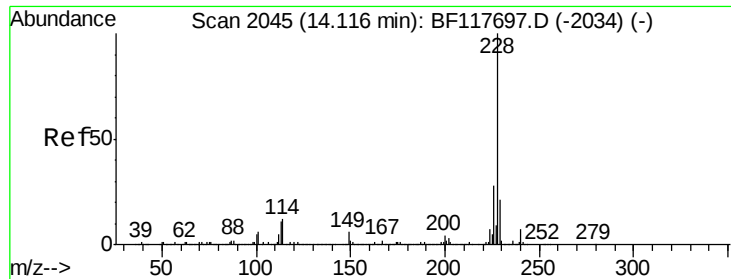
Tgt Ion: 202 Resp: 303825
Ion Ratio Lower Upper
202 100
200 20.0 18.8 28.2
203 17.9 15.2 22.8



#79
Terphenyl-d14
Concen: 52.912 ng
RT: 13.06 min Scan# 1866
Delta R.T. -0.01 min
Lab File: BF117712.D
Acq: 7 Nov 2019 18:40

Tgt Ion: 244 Resp: 1839114
Ion Ratio Lower Upper
244 100
212 6.7 6.4 9.6
122 10.9 10.0 15.0

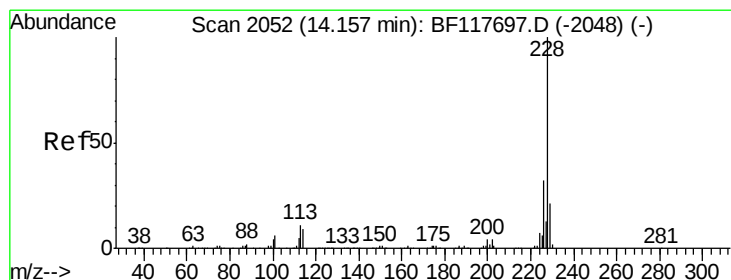
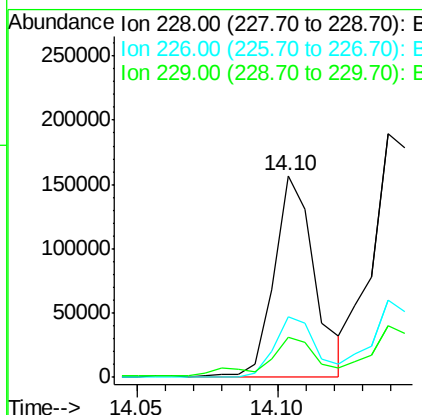
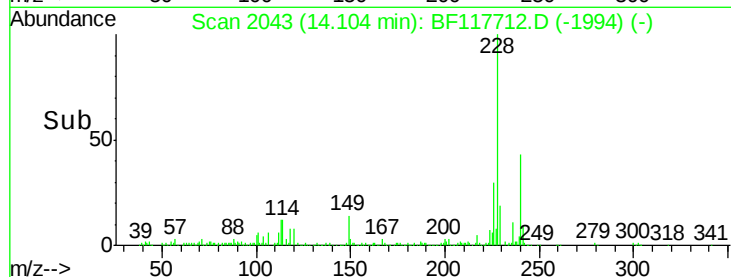
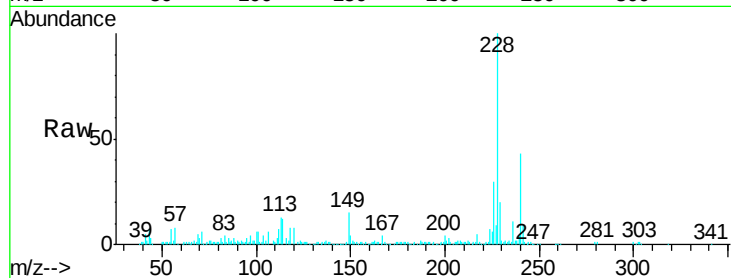




#81
Benzo(a)anthracene
Concen: 3.492 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BF117712.D
Acq: 7 Nov 2019 18:40

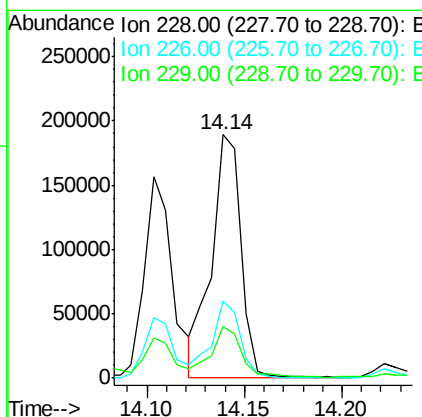
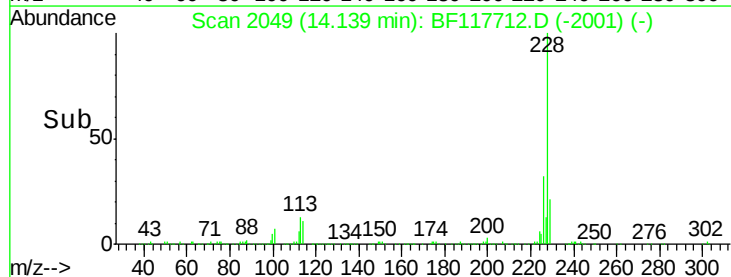
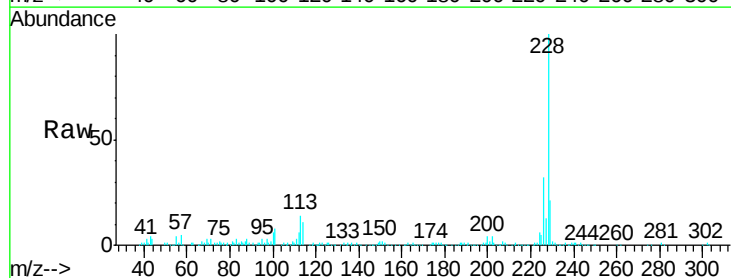
Instrument :
BNA_F
ClientSampled :
8-B

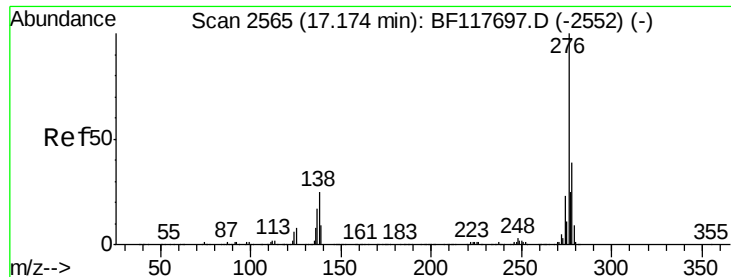
Tgt Ion:228 Resp: 155510
Ion Ratio Lower Upper
228 100
226 29.9 22.8 34.2
229 20.2 16.9 25.3



#83
Chrysene
Concen: 4.476 ng
RT: 14.14 min Scan# 2049
Delta R.T. -0.02 min
Lab File: BF117712.D
Acq: 7 Nov 2019 18:40

Tgt Ion:228 Resp: 196858
Ion Ratio Lower Upper
228 100
226 32.0 25.4 38.2
229 21.3 16.6 24.8

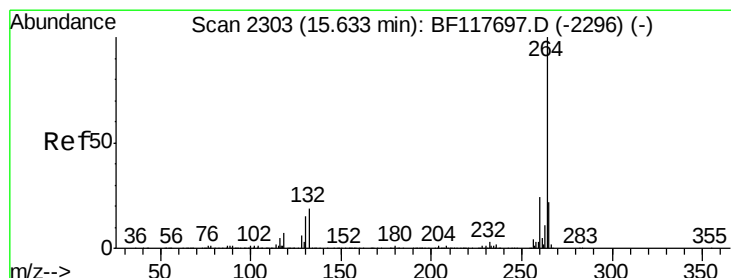
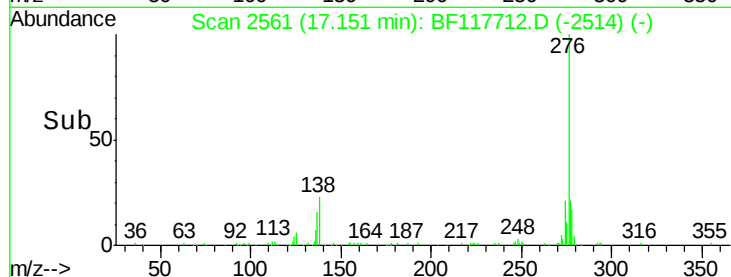
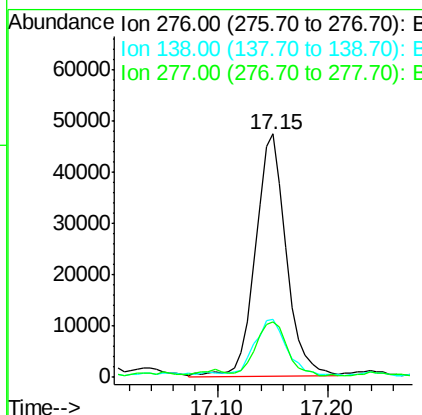
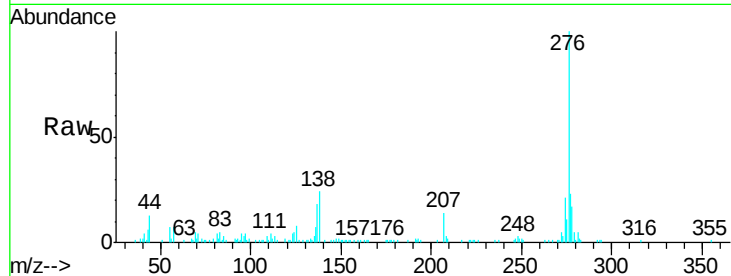




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.241 ng
 RT: 17.15 min Scan# 2561
 Delta R.T. -0.02 min
 Lab File: BF117712.D
 Acq: 7 Nov 2019 18:40

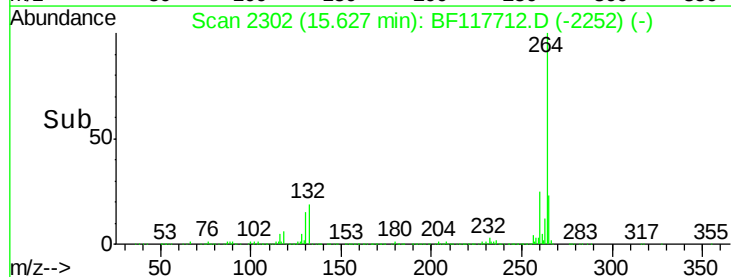
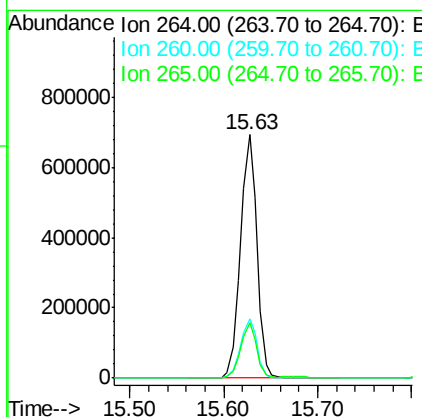
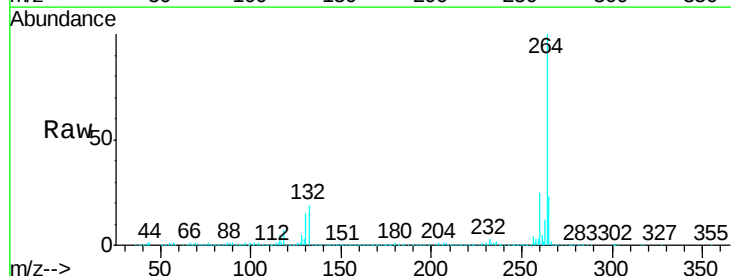
Instrument :
 BNA_F
 ClientSampleId :
 8-B

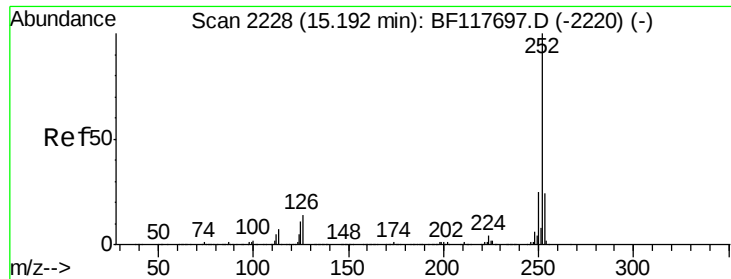
Tgt Ion:276 Resp: 91753
 Ion Ratio Lower Upper
 276 100
 138 23.8 22.4 33.6
 277 22.2 20.6 30.8



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.63 min Scan# 2302
 Delta R.T. -0.01 min
 Lab File: BF117712.D
 Acq: 7 Nov 2019 18:40

Tgt Ion:264 Resp: 846340
 Ion Ratio Lower Upper
 264 100
 260 24.6 18.8 28.2
 265 22.8 17.7 26.5

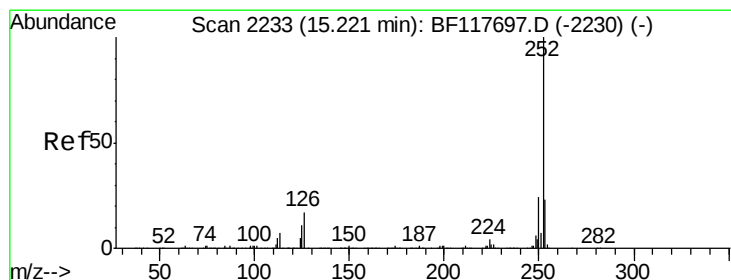
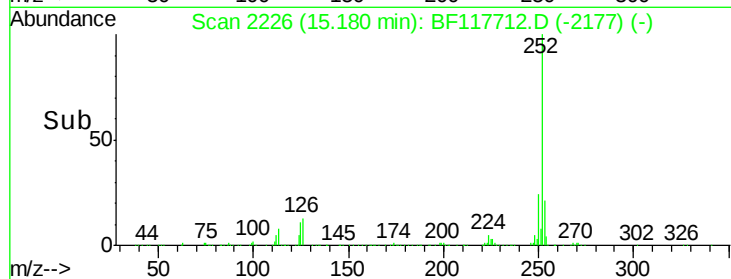
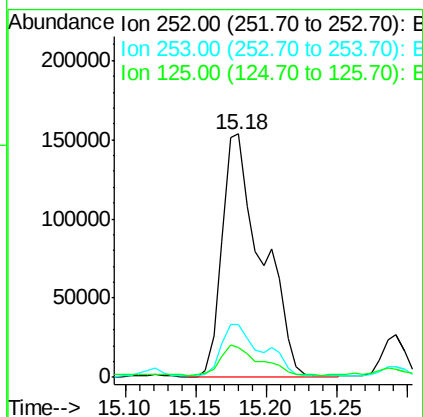
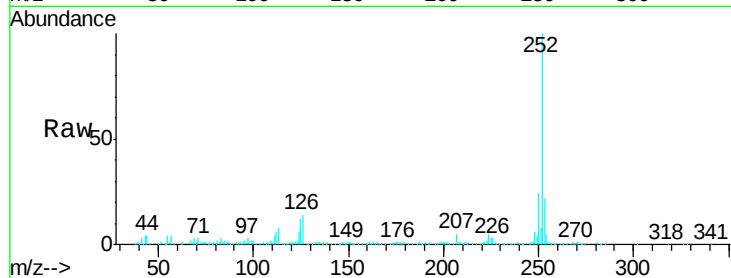




#88
Benzo(b)fluoranthene
Concen: 5.646 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF117712.D
Acq: 7 Nov 2019 18:40

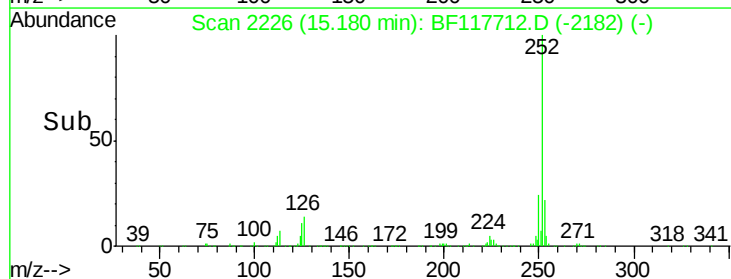
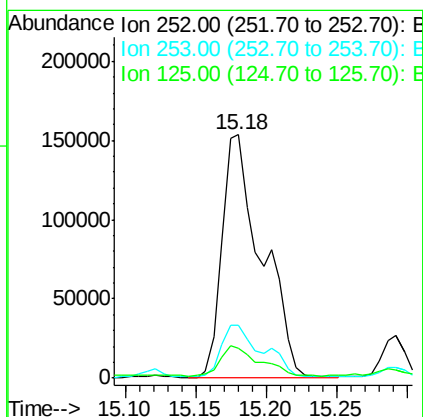
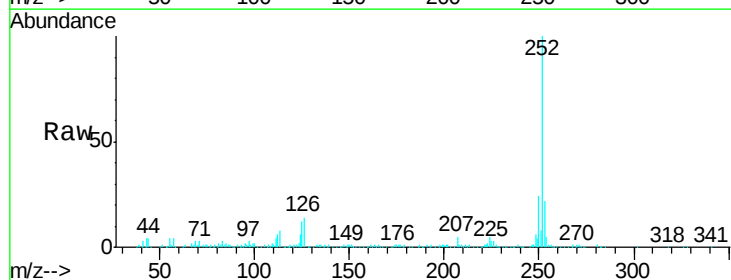
Instrument :
BNA_F
ClientSampleId :
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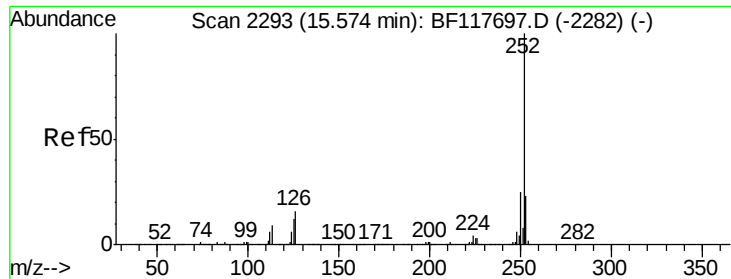
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.9	28.3
125	12.3	8.5	12.7



#89
Benzo(k)fluoranthene
Concen: 6.330 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.04 min
Lab File: BF117712.D
Acq: 7 Nov 2019 18:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.9	26.9
125	12.3	9.1	13.7





#90

Benzo(a)pyrene

Concen: 2.723 ng

RT: 15.56 min Scan# 2290

Delta R.T. -0.02 min

Lab File: BF117712.D

Acq: 7 Nov 2019 18:40

Instrument :

BNA_F

ClientSampled :

8-B

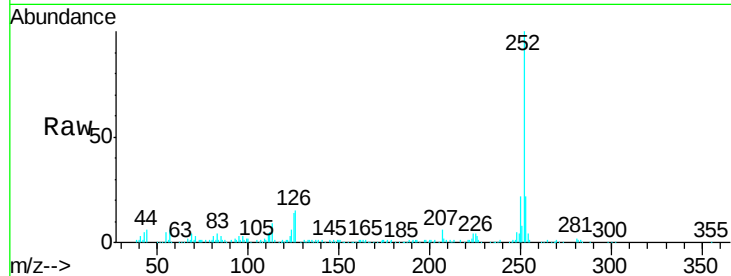
Tgt Ion:252 Resp: 125832

Ion Ratio Lower Upper

252 100

253 21.9 18.0 27.0

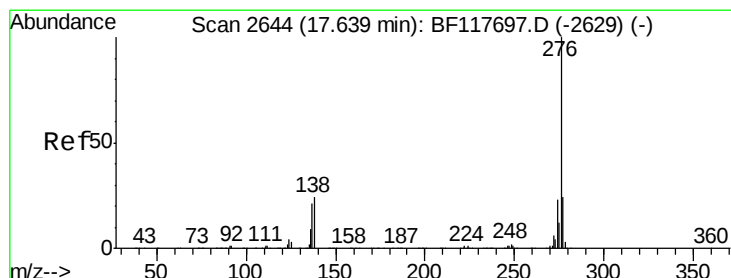
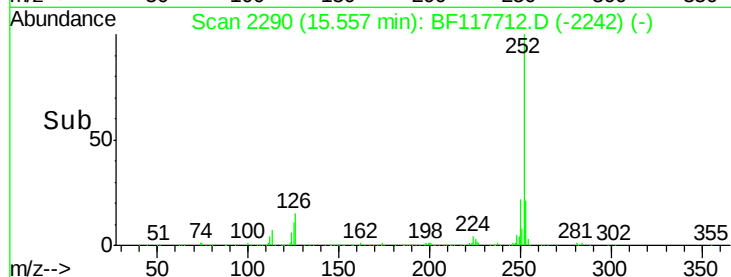
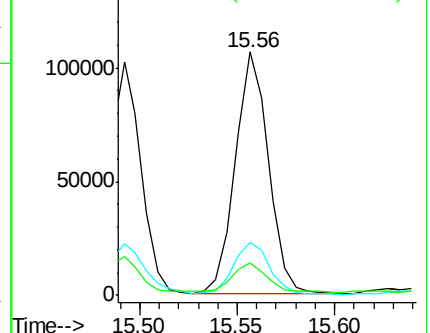
125 13.5 9.5 14.3



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: 2.055 ng

RT: 17.61 min Scan# 2639

Delta R.T. -0.03 min

Lab File: BF117712.D

Acq: 7 Nov 2019 18:40

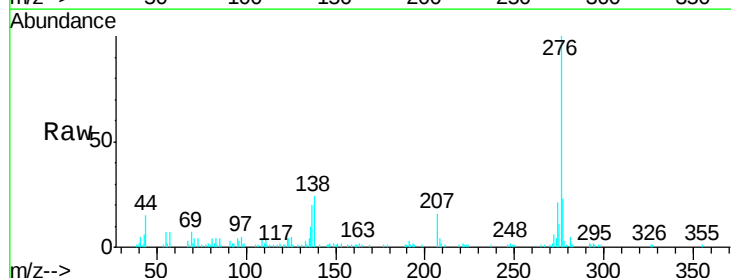
Tgt Ion:276 Resp: 82528

Ion Ratio Lower Upper

276 100

277 23.0 19.4 29.0

138 24.2 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

