

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF110819\
 Data File : BF117734.D
 Acq On : 8 Nov 2019 16:43
 Operator : JU
 Sample : K5722-14
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2-A

Quant Time: Nov 09 01:22:31 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	348004	20.00	ng	-0.01
21) Naphthalene-d8	8.22	136	1397902	20.00	ng	-0.01
39) Acenaphthene-d10	9.97	164	764403	20.00	ng	-0.01
64) Phenanthrene-d10	11.47	188	1318094	20.00	ng	0.00
76) Chrysene-d12	14.12	240	862303	20.00	ng	0.00
87) Perylene-d12	15.62	264	833963	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.55	112	1982089	103.10	ng	0.00
7) Phenol-d6	6.55	99	2560520	108.02	ng	-0.01
23) Nitrobenzene-d5	7.49	82	1591114	67.20	ng	-0.02
42) 2,4,6-Tribromophenol	10.77	330	774657	103.60	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	2769544	71.49	ng	-0.01
79) Terphenyl-d14	13.06	244	2713348	64.78	ng	0.00

Target Compounds

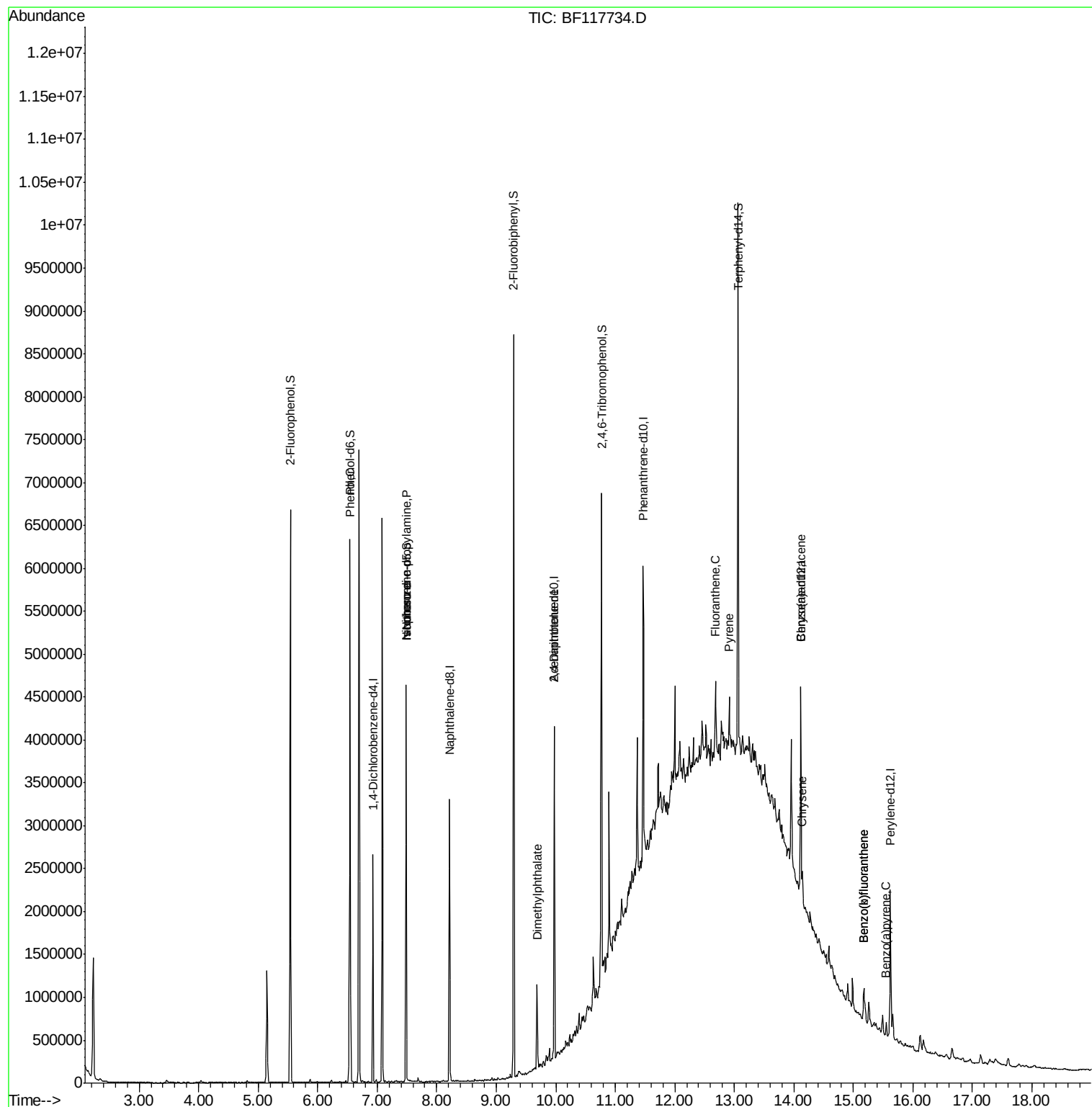
						Qvalue
10) Phenol	6.56	94	89317	3.497	ng	96
19) n-Nitroso-di-n-propylamine	7.49	70	220809	14.167	ng	# 77
25) Isophorone	7.49	82	1586189	35.026	ng	# 62
50) Dimethylphthalate	9.69	163	360568	6.977	ng	96
57) 2,4-Dinitrotoluene	9.97	165	102454	6.902	ng	# 28
75) Fluoranthene	12.69	202	311489	4.828	ng	96
78) Pyrene	12.92	202	313221	4.976	ng	96
81) Benzo(a)anthracene	14.11	228	133978	2.496	ng	93
83) Chrysene	14.14	228	159742	3.014	ng	96
88) Benzo(b)fluoranthene	15.17	252	265405	5.053	ng	# 94
89) Benzo(k)fluoranthene	15.17	252	265405	5.665	ng	# 96
90) Benzo(a)pyrene	15.56	252	91193	2.003	ng	# 96

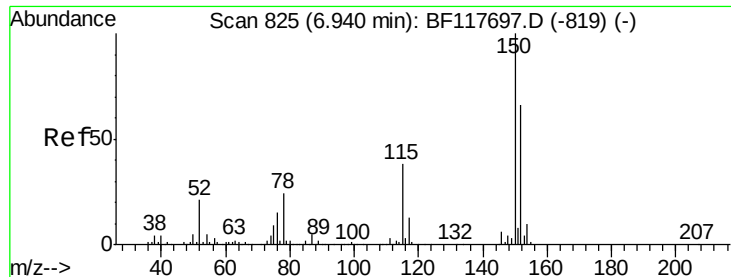
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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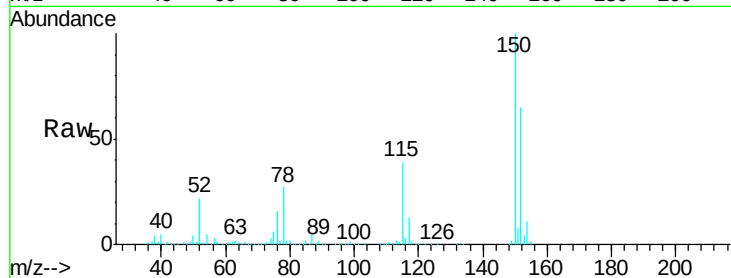


#1

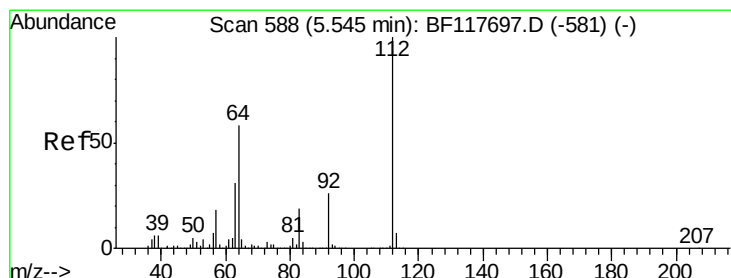
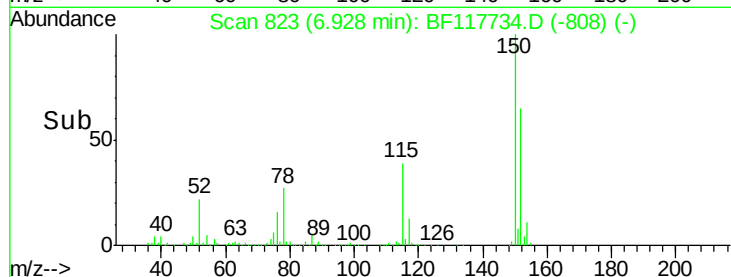
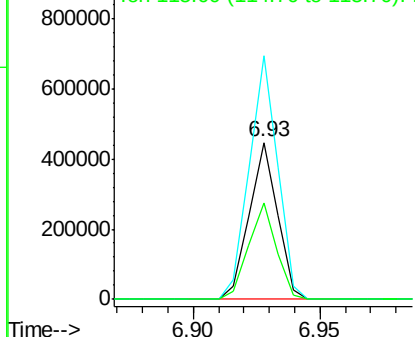
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 823
Delta R.T. -0.01 min
Lab File: BF117734.D
Acq: 8 Nov 2019 16:43

Instrument :
BNA_F
ClientSampleId :
2-A

Tgt Ion:152 Resp: 348004
Ion Ratio Lower Upper
152 100
150 154.9 121.4 182.2
115 61.0 46.7 70.1



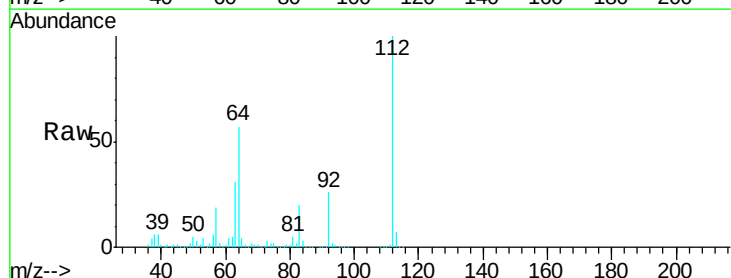
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



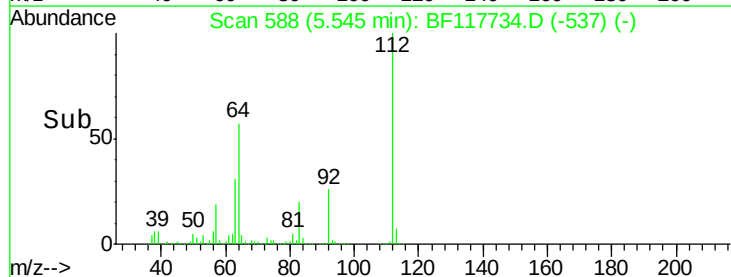
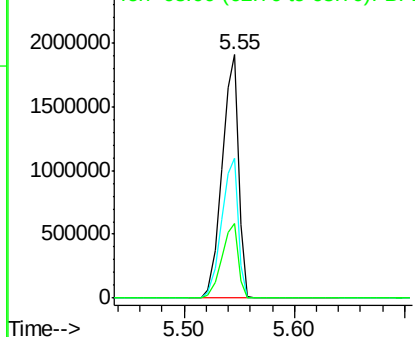
#5

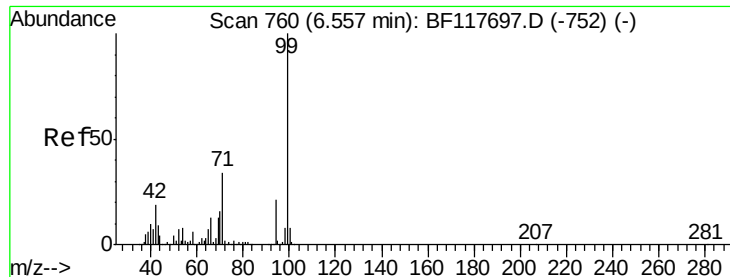
2-Fluorophenol
Concen: 103.099 ng
RT: 5.55 min Scan# 588
Delta R.T. -0.00 min
Lab File: BF117734.D
Acq: 8 Nov 2019 16:43

Tgt Ion:112 Resp: 1982089
Ion Ratio Lower Upper
112 100
64 57.4 46.4 69.6
63 30.7 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: 108.015 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.01 min

Lab File: BF117734.D

Acq: 8 Nov 2019 16:43

Instrument :

BNA_F

ClientSampled :

2-A

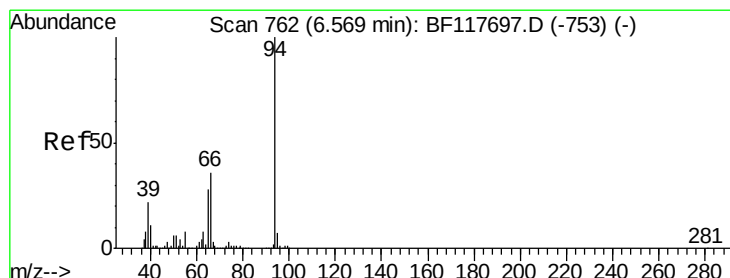
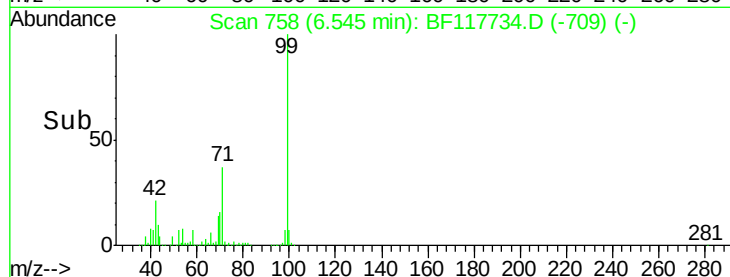
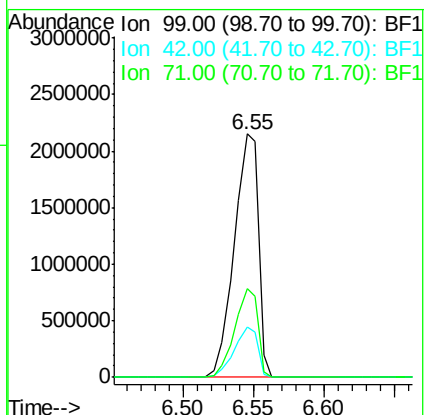
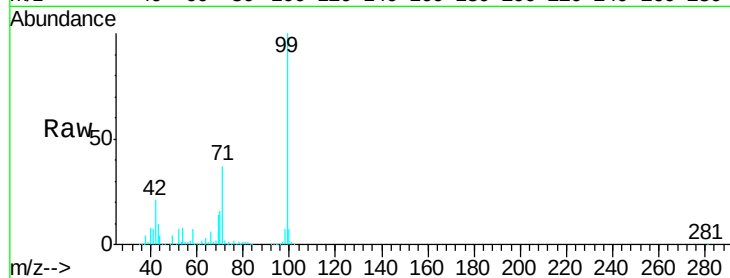
Tgt Ion: 99 Resp: 2560520

Ion Ratio Lower Upper

99 100

42 20.8 15.3 22.9

71 36.6 26.8 40.2



#10

Phenol

Concen: 3.497 ng

RT: 6.56 min Scan# 760

Delta R.T. -0.01 min

Lab File: BF117734.D

Acq: 8 Nov 2019 16:43

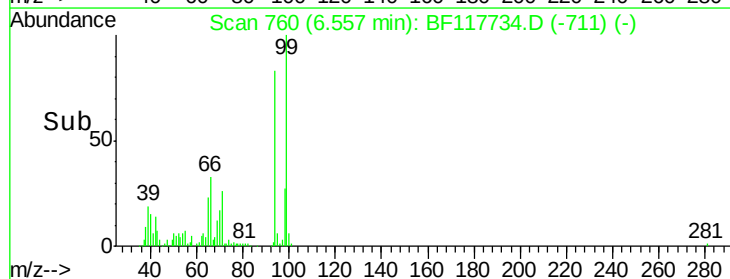
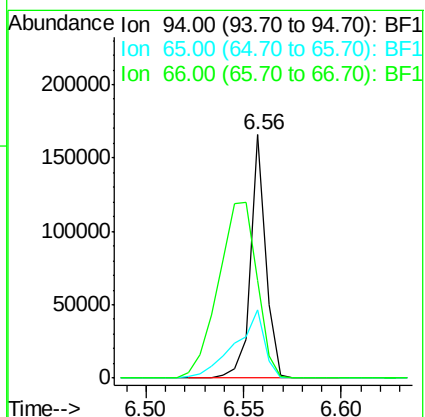
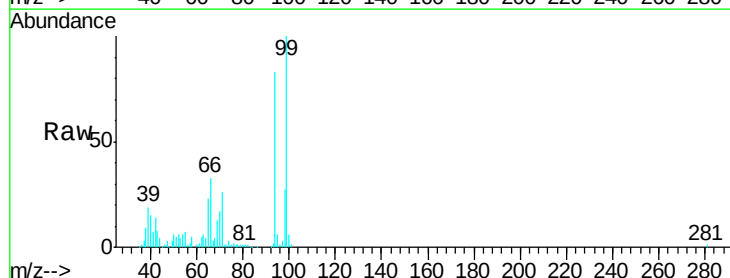
Tgt Ion: 94 Resp: 89317

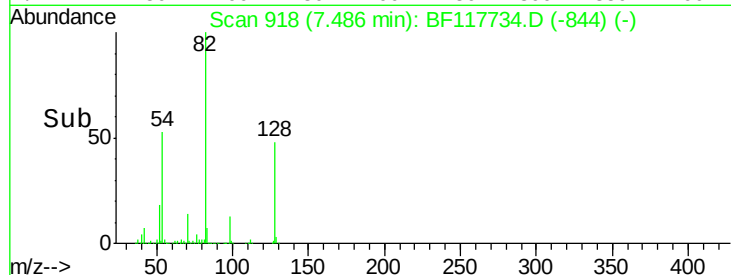
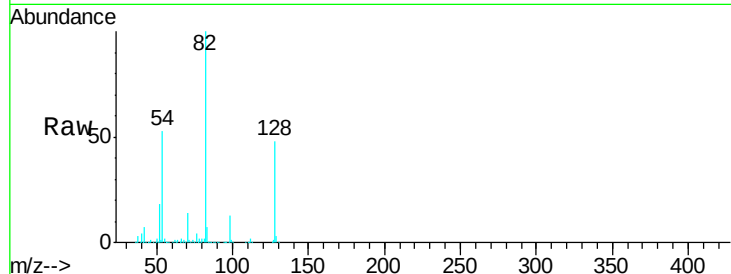
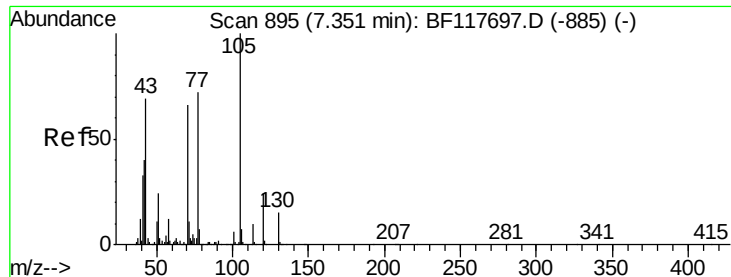
Ion Ratio Lower Upper

94 100

65 28.2 7.6 47.6

66 40.0 16.1 56.1

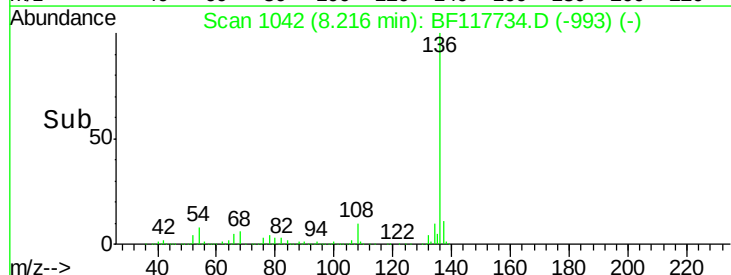
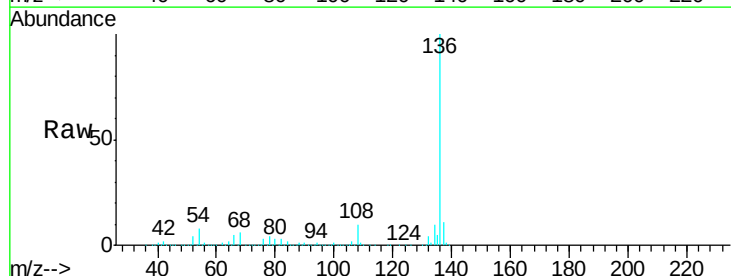
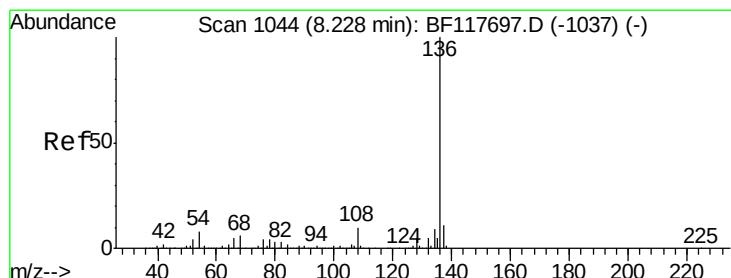
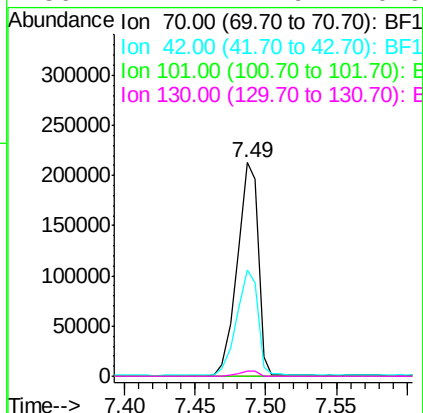




#19
n-Nitroso-di-n-propylamine
Concen: 14.167 ng
RT: 7.49 min Scan# 918
Delta R.T. 0.14 min
Lab File: BF117734.D
Acq: 8 Nov 2019 16:43

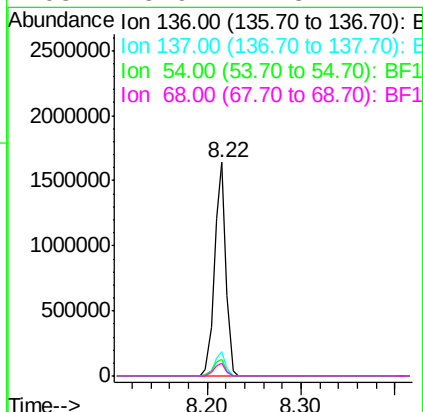
Instrument :
BNA_F
ClientSampleId :
2-A

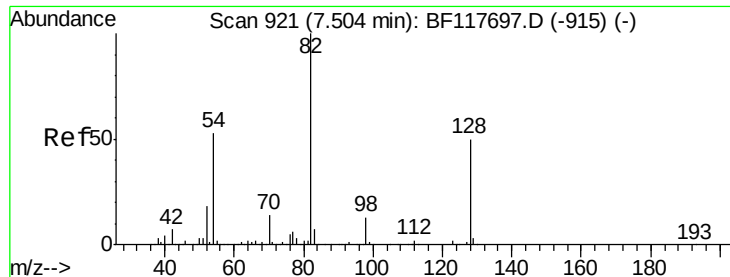
Tgt Ion: 70 Resp: 220809
Ion Ratio Lower Upper
70 100
42 49.6 49.1 73.7
101 0.0 7.8 11.8#
130 2.1 17.9 26.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BF117734.D
Acq: 8 Nov 2019 16:43

Tgt Ion: 136 Resp: 1397902
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 7.8 6.0 9.0
68 5.9 4.8 7.2

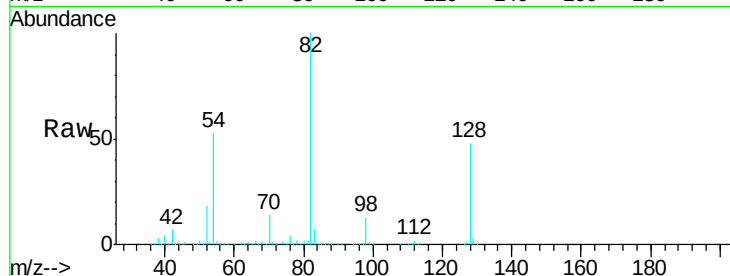




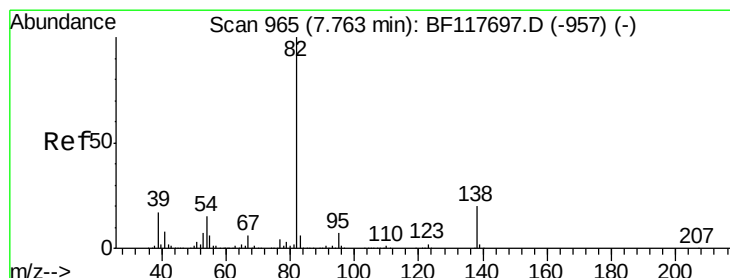
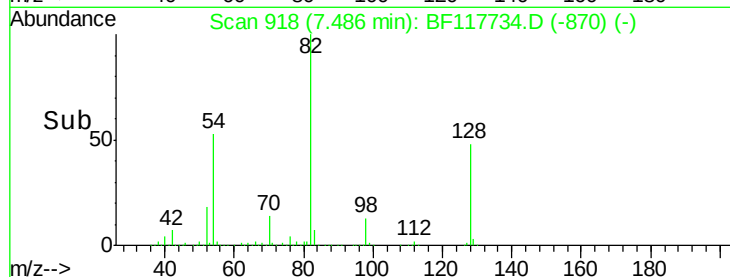
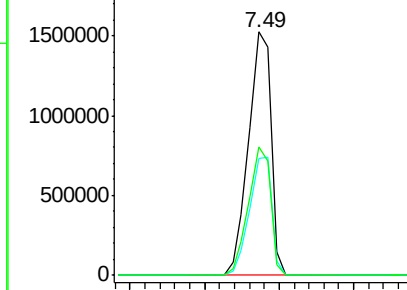
#23
 Nitrobenzene-d5
 Concen: 67.199 ng
 RT: 7.49 min Scan# 918
 Delta R.T. -0.02 min
 Lab File: BF117734.D
 Acq: 8 Nov 2019 16:43

Instrument :
 BNA_F
 ClientSampled :
 2-A

Tgt Ion: 82 Resp: 1591114
 Ion Ratio Lower Upper
 82 100
 128 47.8 40.2 60.2
 54 52.9 42.0 63.0

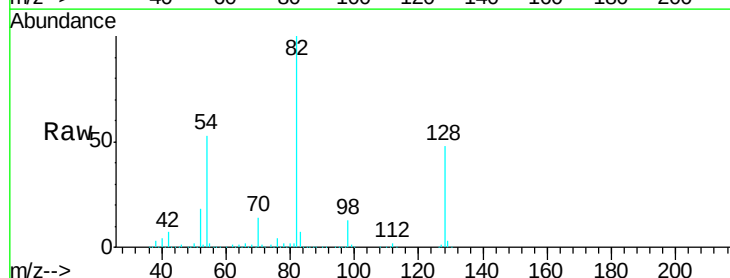


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

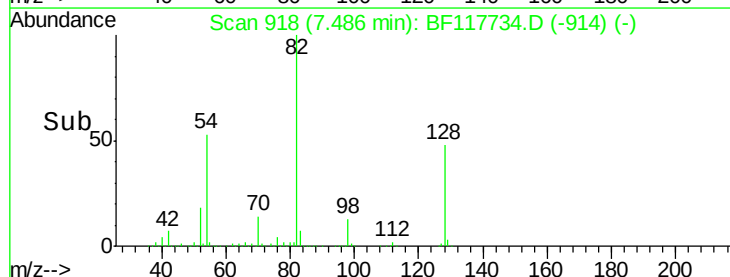
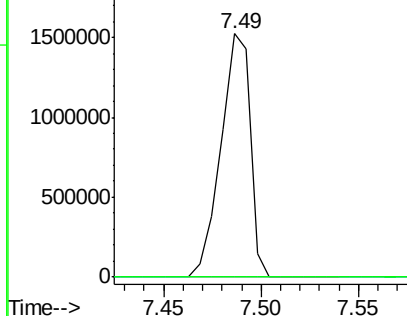


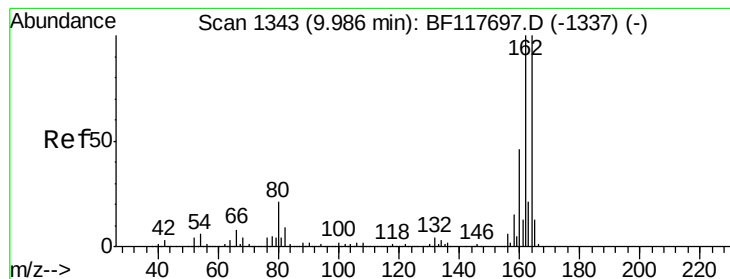
#25
 Isophorone
 Concen: 35.026 ng
 RT: 7.49 min Scan# 918
 Delta R.T. -0.28 min
 Lab File: BF117734.D
 Acq: 8 Nov 2019 16:43

Tgt Ion: 82 Resp: 1586189
 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: 9.97 min Scan# 1341

Delta R.T. -0.01 min

Lab File: BF117734.D

Acq: 8 Nov 2019 16:43

Instrument :

BNA_F

ClientSampleId :

2-A

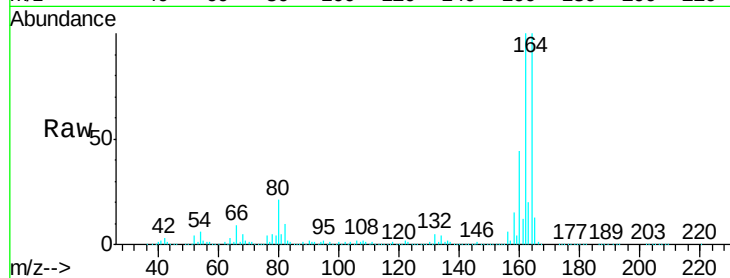
Tgt Ion:164 Resp: 764403

Ion Ratio Lower Upper

164 100

162 100.0 79.7 119.5

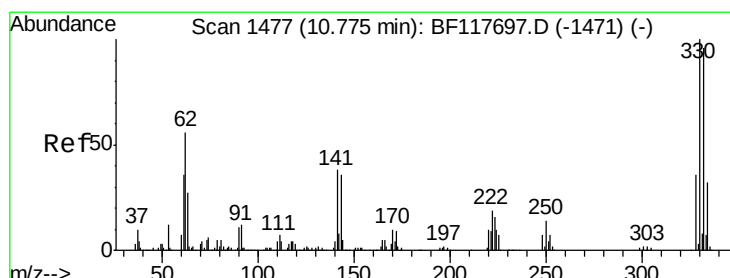
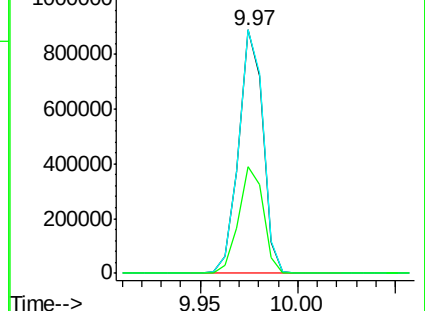
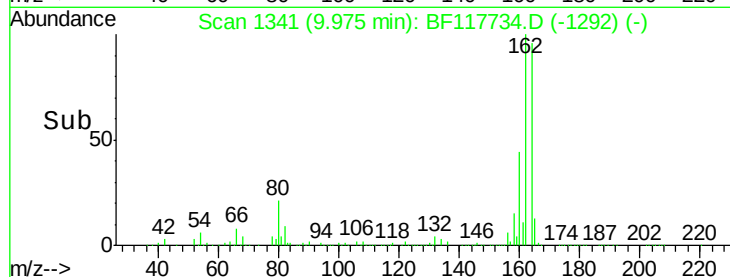
160 43.9 36.5 54.7



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: 103.597 ng

RT: 10.77 min Scan# 1476

Delta R.T. -0.01 min

Lab File: BF117734.D

Acq: 8 Nov 2019 16:43

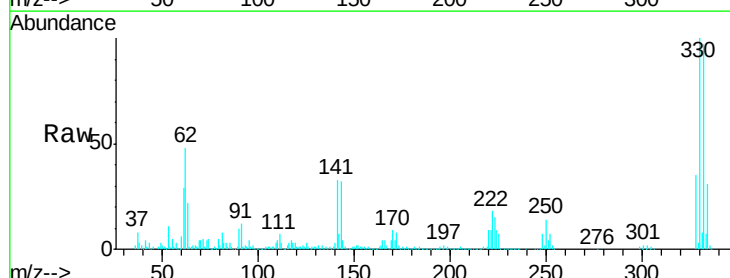
Tgt Ion:330 Resp: 774657

Ion Ratio Lower Upper

330 100

332 96.2 77.4 116.0

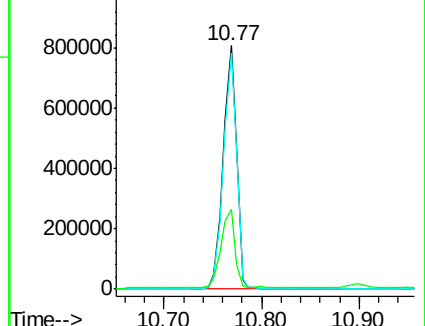
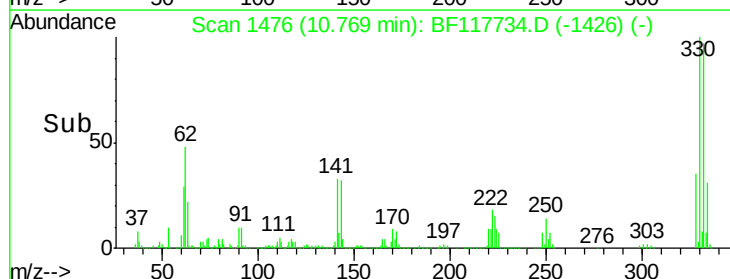
141 33.2 28.0 42.0

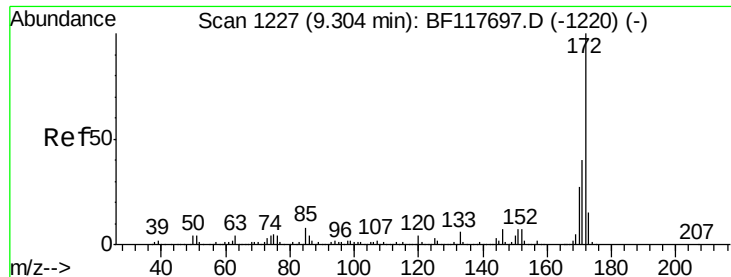


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

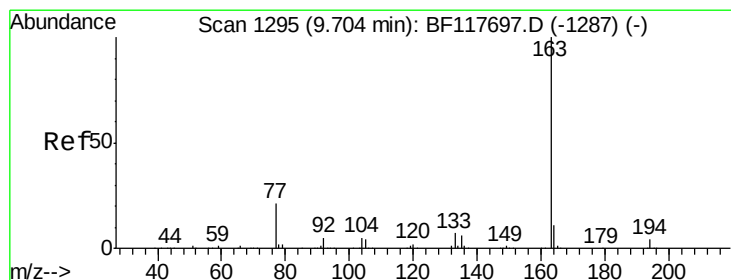
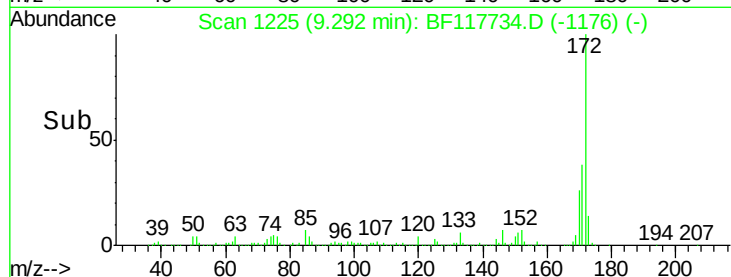
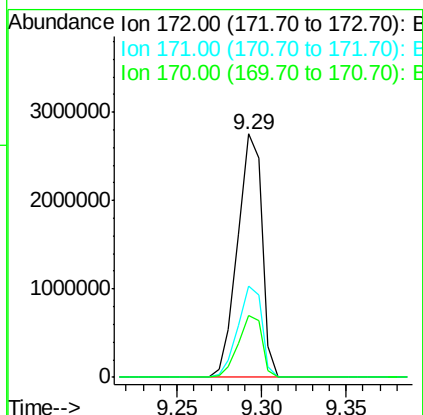
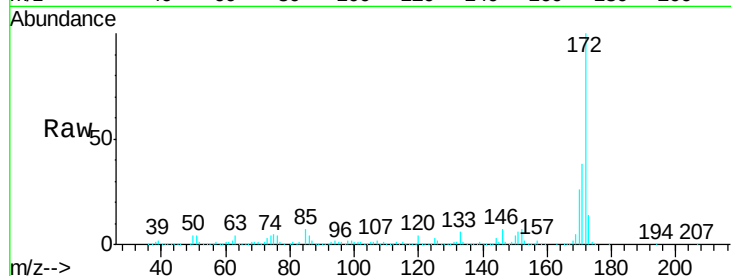




#45
 2-Fluorobiphenyl
 Concen: 71.485 ng
 RT: 9.29 min Scan# 1225
 Delta R.T. -0.01 min
 Lab File: BF117734.D
 Acq: 8 Nov 2019 16:43

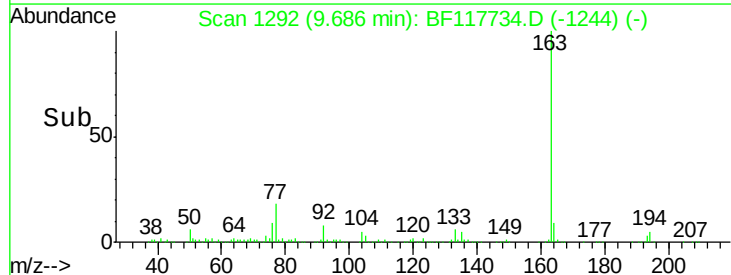
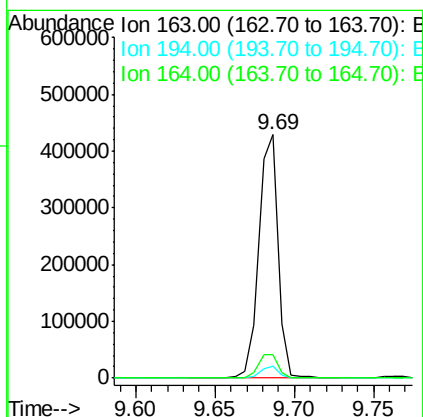
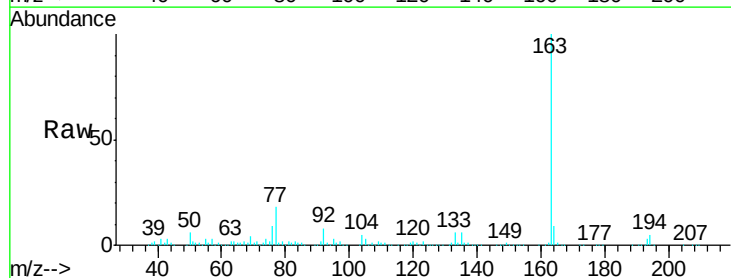
Instrument :
 BNA_F
 ClientSampleId :
 2-A

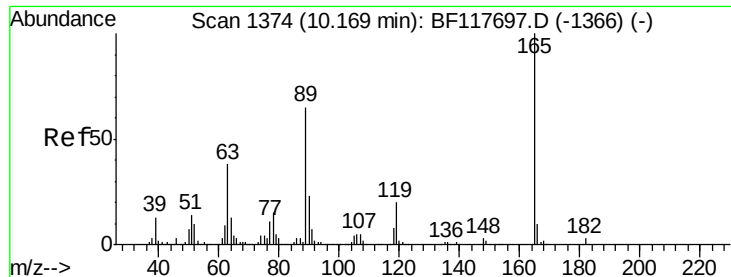
Tgt Ion:172 Resp: 2769544
 Ion Ratio Lower Upper
 172 100
 171 37.6 31.8 47.8
 170 25.7 21.6 32.4



#50
 Dimethylphthalate
 Concen: 6.977 ng
 RT: 9.69 min Scan# 1292
 Delta R.T. -0.02 min
 Lab File: BF117734.D
 Acq: 8 Nov 2019 16:43

Tgt Ion:163 Resp: 360568
 Ion Ratio Lower Upper
 163 100
 194 4.7 3.4 5.0
 164 9.5 8.9 13.3





#57

2,4-Dinitrotoluene

Concen: 6.902 ng

RT: 9.97 min Scan# 1341

Delta R.T. -0.19 min

Lab File: BF117734.D

Acq: 8 Nov 2019 16:43

Instrument :

BNA_F

ClientSampleId :

2-A

Tgt Ion:165 Resp: 102454

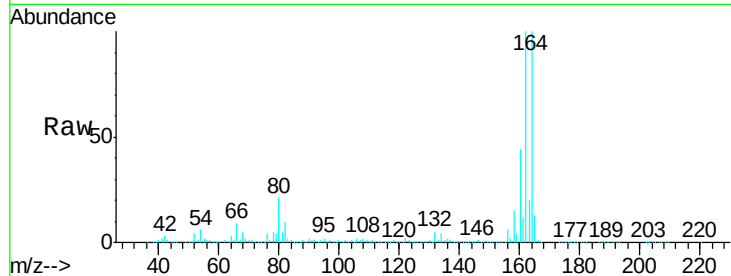
Ion Ratio Lower Upper

165 100

63 1.4 30.4 45.6#

89 1.3 52.2 78.4#

182 0.3 2.3 3.5#

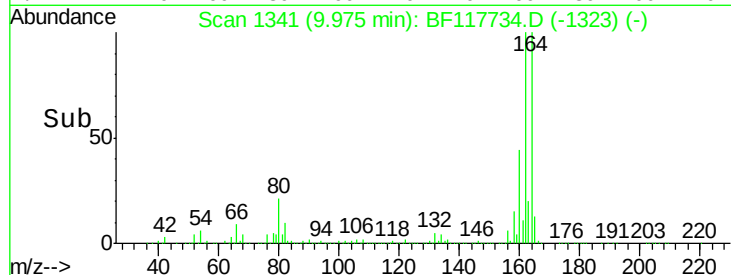


Abundance Ion 165.00 (164.70 to 165.70): E

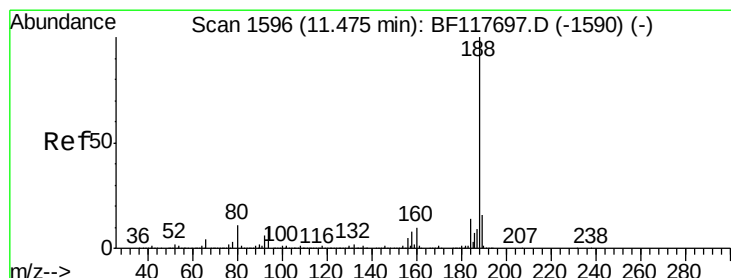
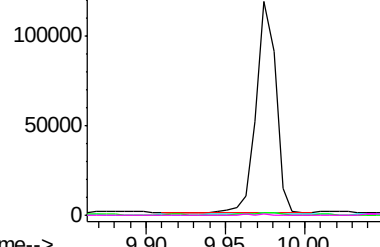
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



Time-->



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.47 min Scan# 1595

Delta R.T. -0.01 min

Lab File: BF117734.D

Acq: 8 Nov 2019 16:43

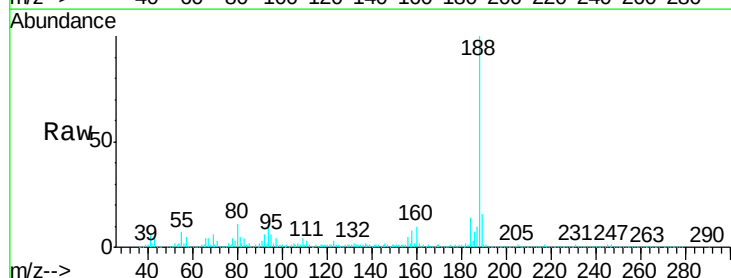
Tgt Ion:188 Resp: 1318094

Ion Ratio Lower Upper

188 100

94 10.5 8.2 12.4

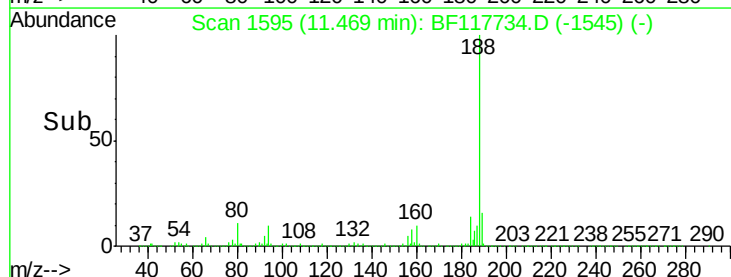
80 11.3 8.6 13.0



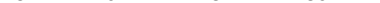
Abundance Ion 188.00 (187.70 to 188.70): E

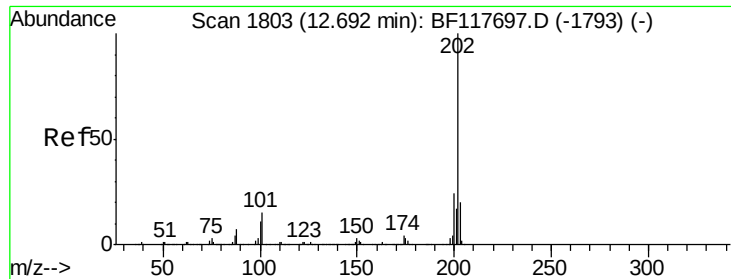
Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



Time-->





#75

Fluoranthene

Concen: 4.828 ng

RT: 12.69 min Scan# 1802

Delta R.T. -0.01 min

Lab File: BF117734.D

Acq: 8 Nov 2019 16:43

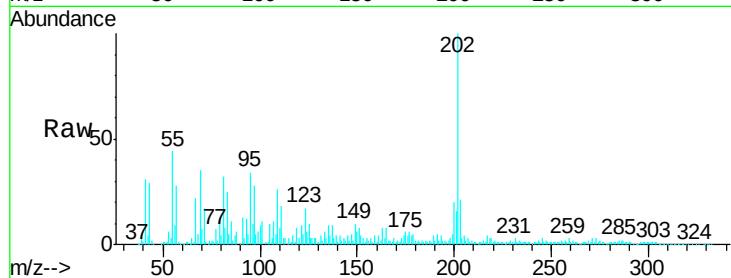
Instrument :

BNA_F

ClientSampled :

2-A

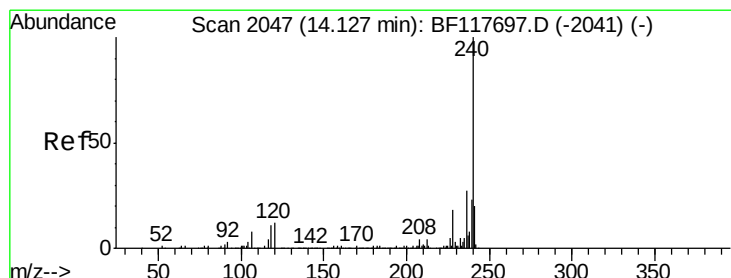
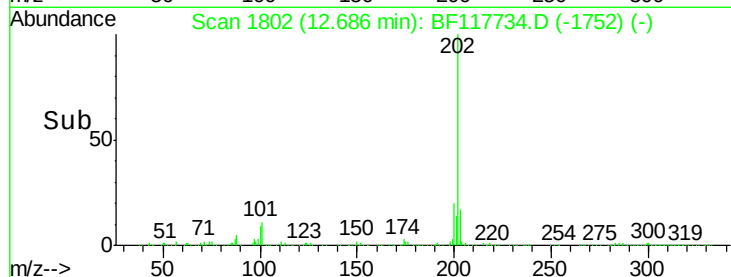
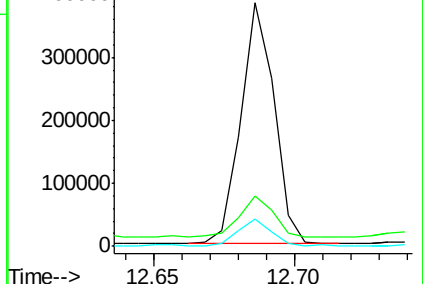
Tgt Ion:	202	Resp:	311489
Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	34.5
203	20.7	0.0	39.8



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

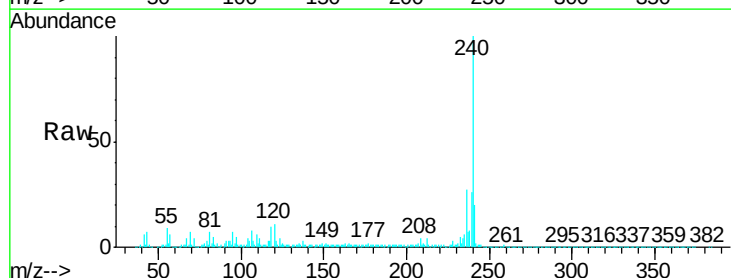
RT: 14.12 min Scan# 2046

Delta R.T. -0.01 min

Lab File: BF117734.D

Acq: 8 Nov 2019 16:43

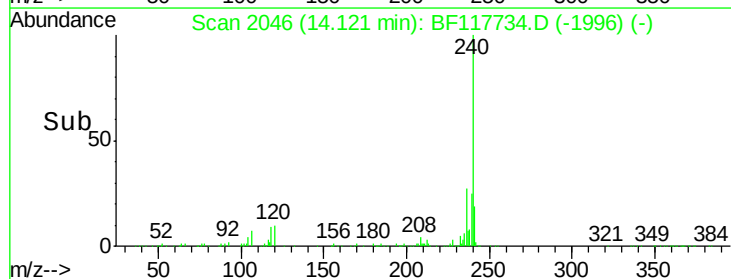
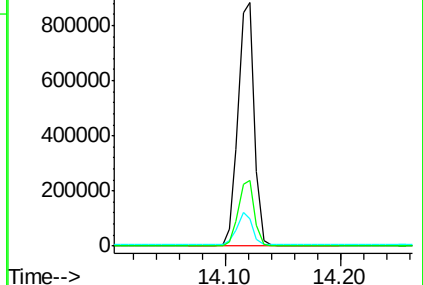
Tgt Ion:	240	Resp:	862303
Ion	Ratio	Lower	Upper
240	100		
120	11.1	9.7	14.5
236	27.1	21.9	32.9

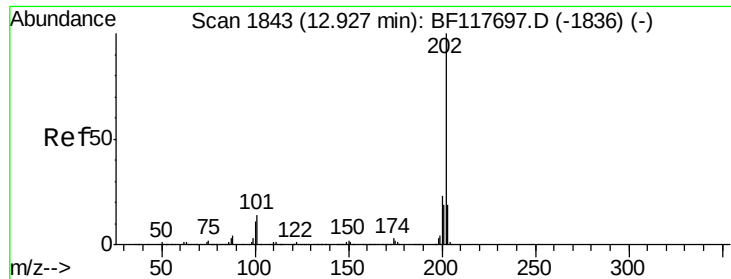


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

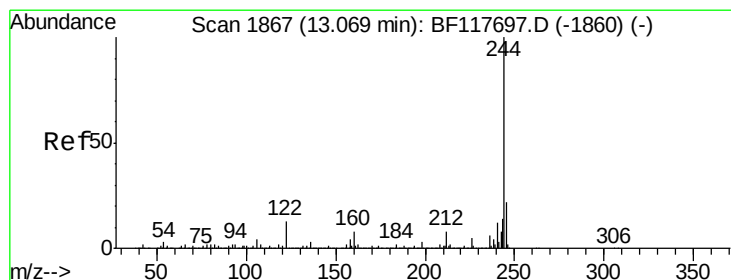
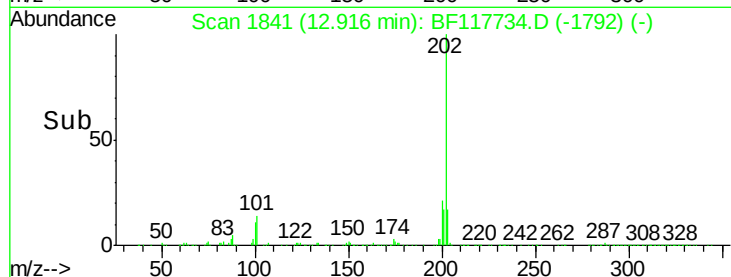
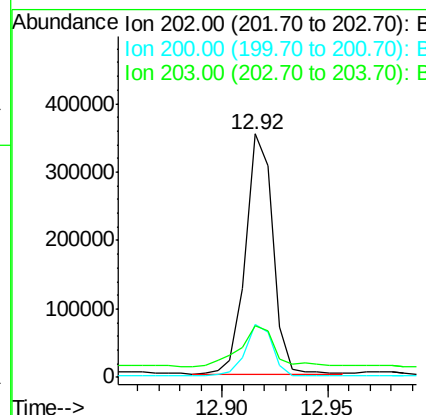
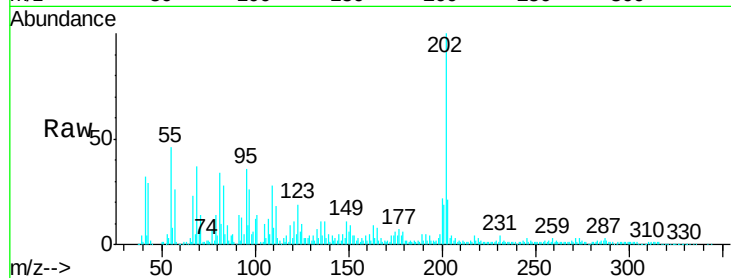




#78
 Pyrene
 Concen: 4.976 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF117734.D
 Acq: 8 Nov 2019 16:43

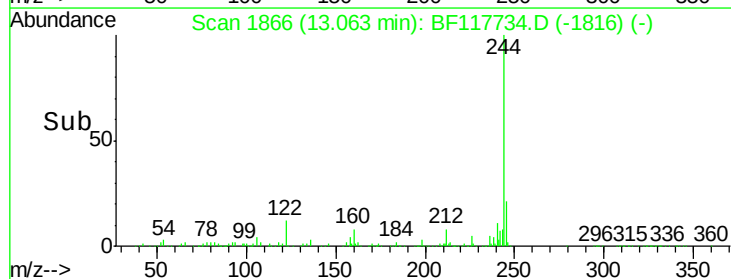
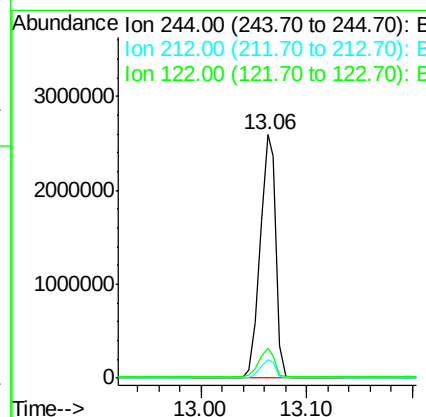
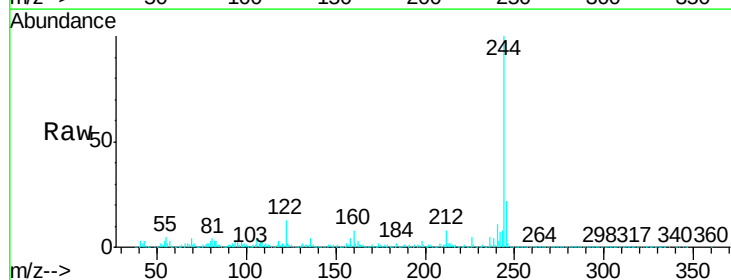
Instrument :
 BNA_F
 ClientSampleId :
 2-A

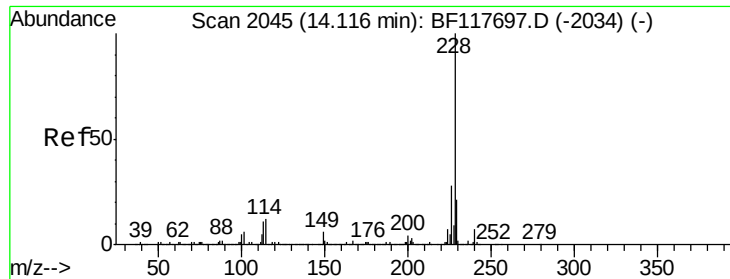
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.7	18.8	28.2
203	21.1	15.2	22.8



#79
 Terphenyl-d14
 Concen: 64.776 ng
 RT: 13.06 min Scan# 1866
 Delta R.T. -0.01 min
 Lab File: BF117734.D
 Acq: 8 Nov 2019 16:43

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.4	9.6
122	12.5	10.0	15.0

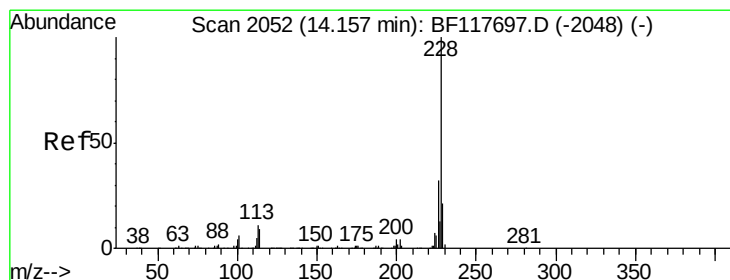
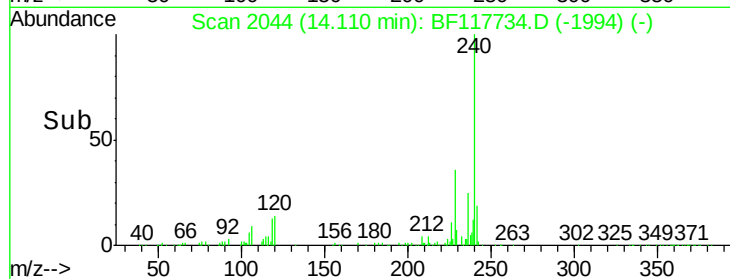
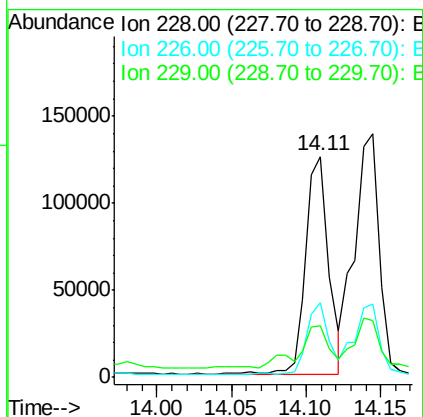
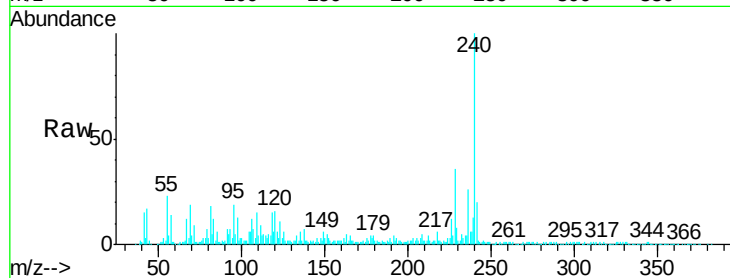




#81
Benzo(a)anthracene
Concen: 2.496 ng
RT: 14.11 min Scan# 2044
Delta R.T. -0.01 min
Lab File: BF117734.D
Acq: 8 Nov 2019 16:43

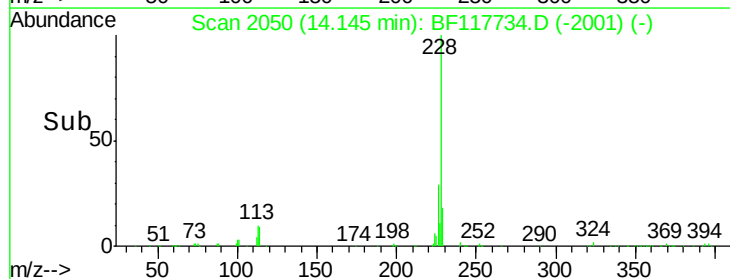
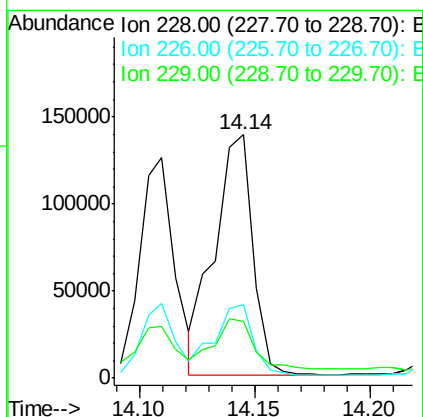
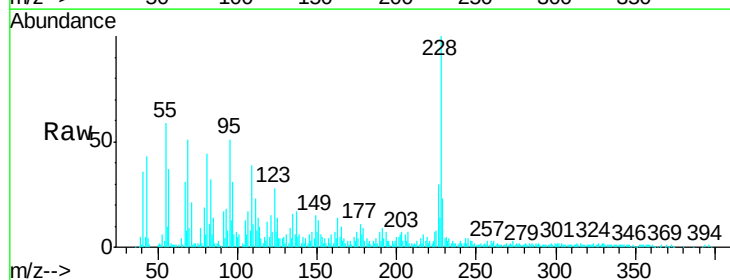
Instrument :
BNA_F
ClientSampleId :
2-A

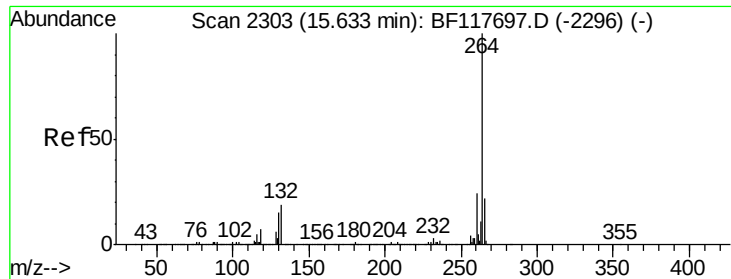
Tgt Ion: 228 Resp: 133978
Ion Ratio Lower Upper
228 100
226 33.6 22.8 34.2
229 23.1 16.9 25.3



#83
Chrysene
Concen: 3.014 ng
RT: 14.14 min Scan# 2050
Delta R.T. -0.01 min
Lab File: BF117734.D
Acq: 8 Nov 2019 16:43

Tgt Ion: 228 Resp: 159742
Ion Ratio Lower Upper
228 100
226 30.1 25.4 38.2
229 23.3 16.6 24.8



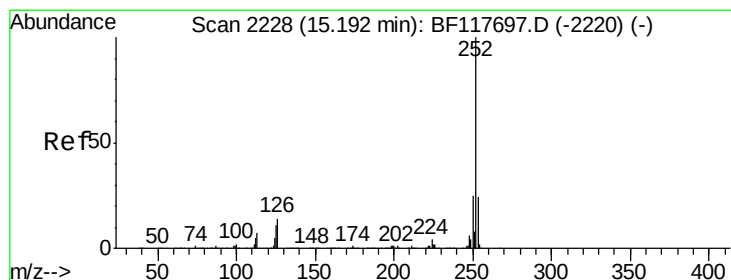
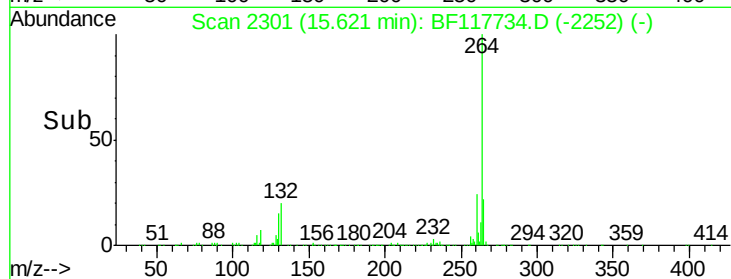
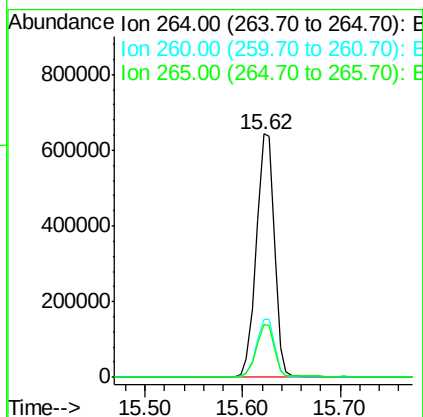
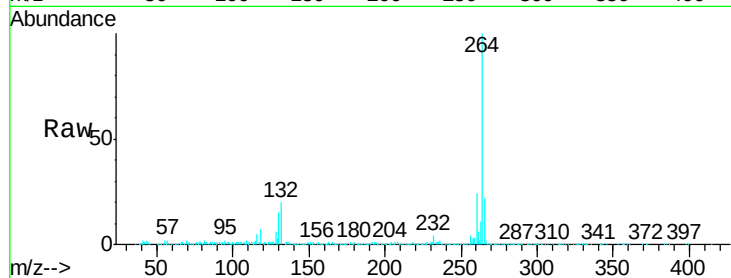


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.62 min Scan# 2301
Delta R.T. -0.01 min
Lab File: BF117734.D
Acq: 8 Nov 2019 16:43

Instrument :
BNA_F
ClientSampleId :
2-A

Tgt Ion: 264 Resp: 833963

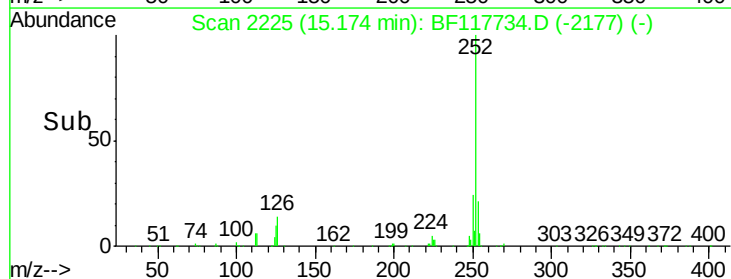
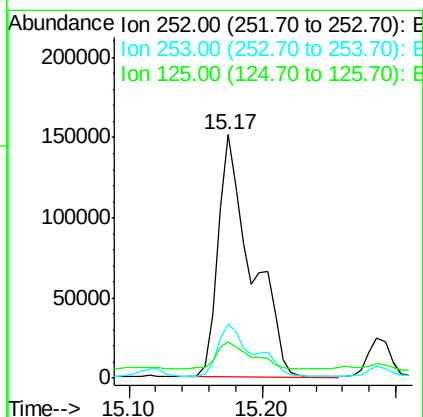
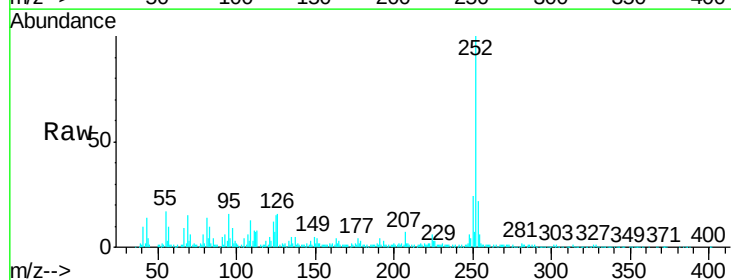
Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.8	28.2
265	21.9	17.7	26.5

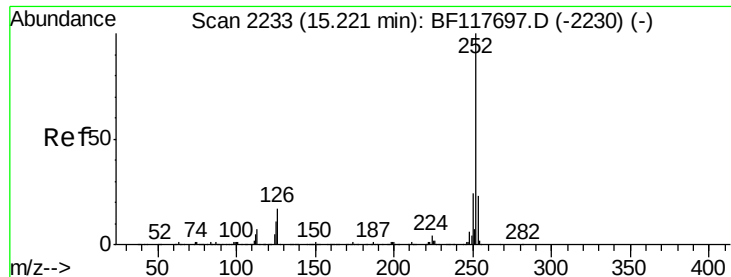


#88
Benzo(b)fluoranthene
Concen: 5.053 ng
RT: 15.17 min Scan# 2225
Delta R.T. -0.02 min
Lab File: BF117734.D
Acq: 8 Nov 2019 16:43

Tgt Ion: 252 Resp: 265405

Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.9	28.3
125	15.0	8.5	12.7

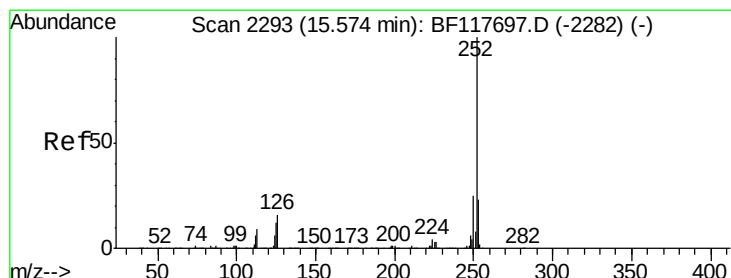
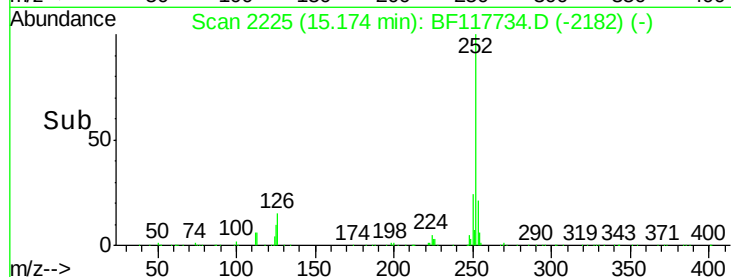
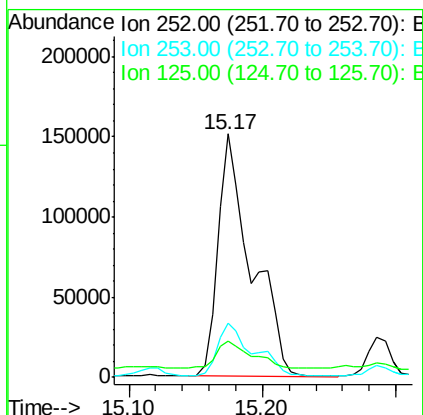
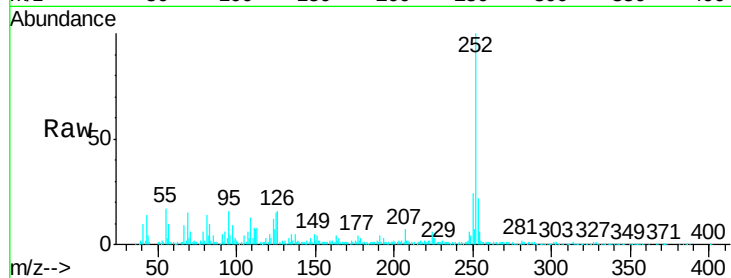




#89
Benzo(k)fluoranthene
Concen: 5.665 ng
RT: 15.17 min Scan# 2225
Delta R.T. -0.05 min
Lab File: BF117734.D
Acq: 8 Nov 2019 16:43

Instrument :
BNA_F
ClientSampleId :
2-A

Tgt Ion: 252 Resp: 265405
Ion Ratio Lower Upper
252 100
253 22.1 17.9 26.9
125 15.0 9.1 13.7#



#90
Benzo(a)pyrene
Concen: 2.003 ng
RT: 15.56 min Scan# 2290
Delta R.T. -0.02 min
Lab File: BF117734.D
Acq: 8 Nov 2019 16:43

Tgt Ion: 252 Resp: 91193
Ion Ratio Lower Upper
252 100
253 22.2 18.0 27.0
125 16.2 9.5 14.3#

