

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111219\
 Data File : BF117765.D
 Acq On : 12 Nov 2019 17:49
 Operator : JU
 Sample : K5791-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FINES-NORTH-BERGEN

Quant Time: Nov 13 01:14:06 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 12 13:32:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	276799	20.00	ng	0.00
21) Naphthalene-d8	8.21	136	1054870	20.00	ng	0.00
39) Acenaphthene-d10	9.97	164	526054	20.00	ng	0.00
64) Phenanthrene-d10	11.46	188	842583	20.00	ng	0.00
76) Chrysene-d12	14.12	240	597461	20.00	ng	0.00
87) Perylene-d12	15.63	264	697288	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.54	112	1330987	87.04	ng	0.00
7) Phenol-d6	6.55	99	1665283	88.32	ng	0.00
23) Nitrobenzene-d5	7.49	82	1024348	57.33	ng	0.00
42) 2,4,6-Tribromophenol	10.76	330	419684	81.56	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	1861563	69.82	ng	0.00
79) Terphenyl-d14	13.06	244	1620880	55.85	ng	0.00

Target Compounds

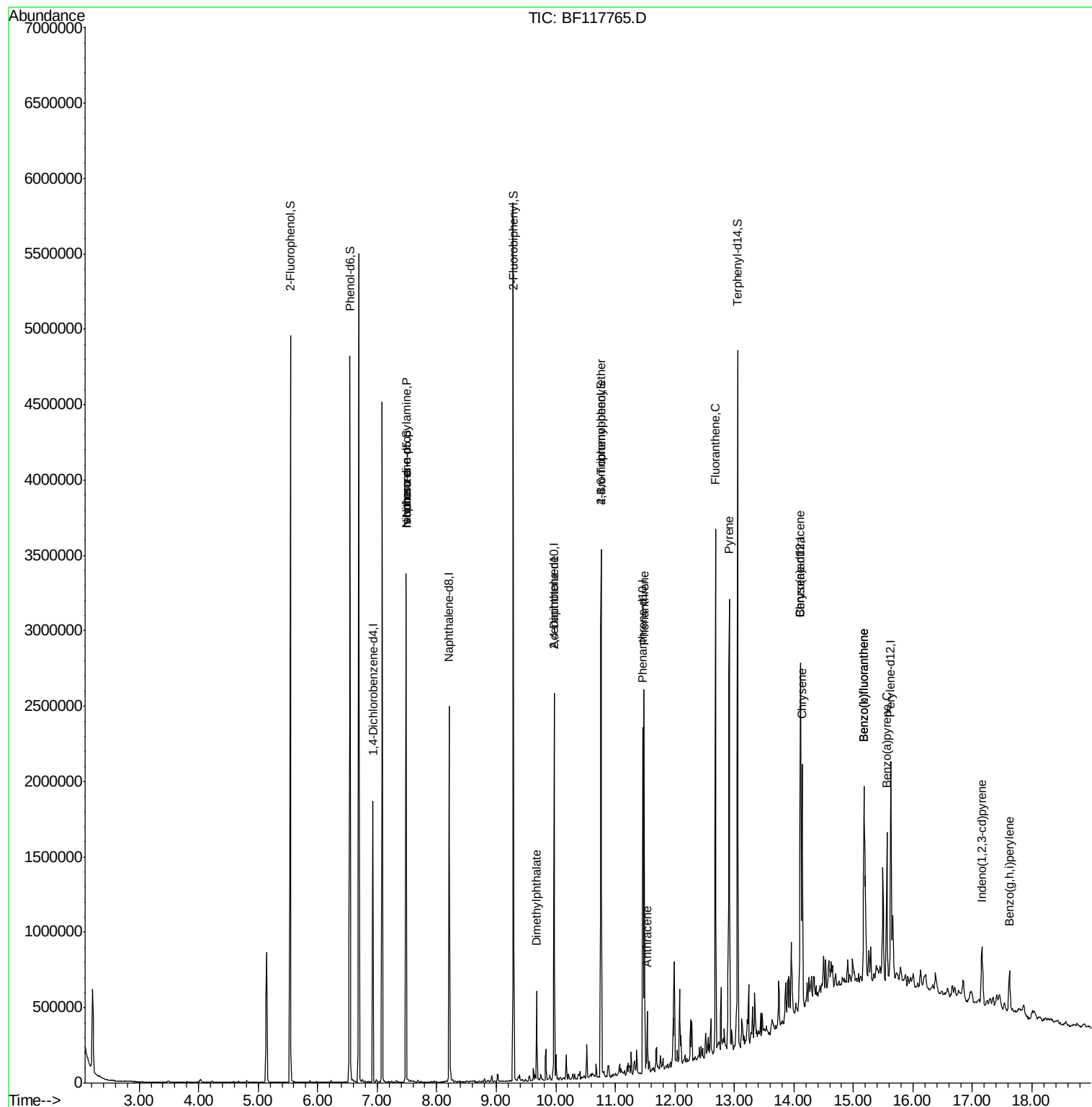
						Qvalue
19) n-Nitroso-di-n-propylamine	7.49	70	139640	11.264	ng	# 76
25) Isophorone	7.49	82	1020640	29.866	ng	# 63
50) Dimethylphthalate	9.68	163	211051	5.935	ng	98
57) 2,4-Dinitrotoluene	9.97	165	70357	6.887	ng	# 24
67) 4-Bromophenyl-phenylether	10.76	248	26763	2.908	ng	# 1
71) Phenanthrene	11.49	178	967743	23.962	ng	97
72) Anthracene	11.54	178	130855	3.257	ng	96
75) Fluoranthene	12.69	202	1394983	33.827	ng	97
78) Pyrene	12.92	202	1192091	27.333	ng	96
81) Benzo(a)anthracene	14.10	228	572179	15.385	ng	98
83) Chrysene	14.14	228	560842	15.271	ng	97
86) Indeno(1,2,3-cd)pyrene	17.16	276	279618	8.180	ng	94
88) Benzo(b)fluoranthene	15.18	252	1003591	22.852	ng	98
89) Benzo(k)fluoranthene	15.18	252	1003591	25.622	ng	98
90) Benzo(a)pyrene	15.56	252	490150	12.875	ng	99
92) Benzo(g,h,i)perylene	17.62	276	234928	7.100	ng	98

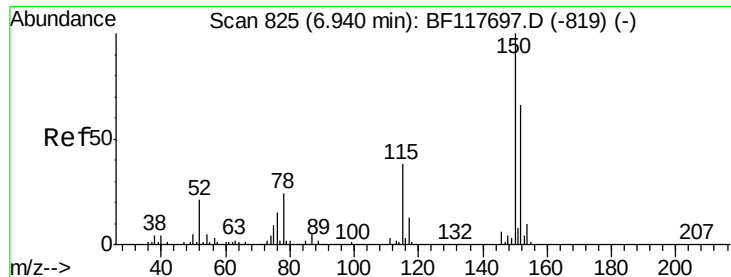
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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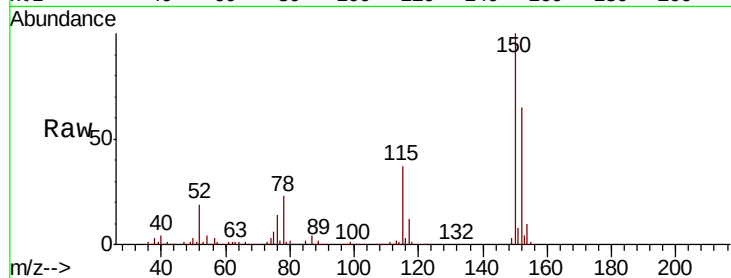


#1

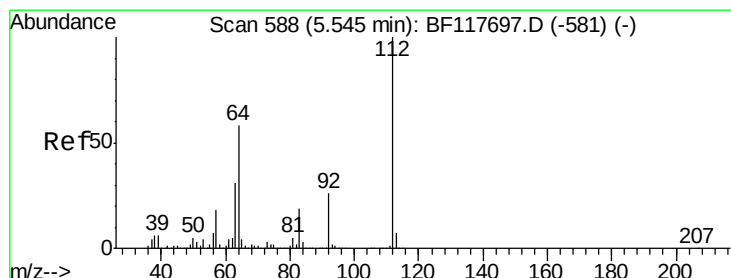
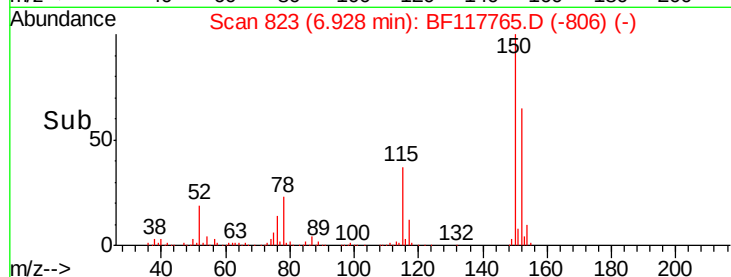
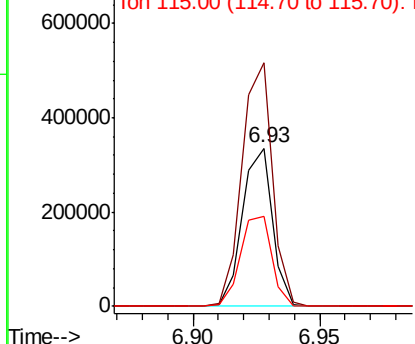
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 823
Delta R.T. 0.00 min
Lab File: BF117765.D
Acq: 12 Nov 2019 17:49

Instrument :
BNA_F
ClientSampleId :
FINES-NORTH-BERGEN

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.2	126.6	190.0
115	56.8	47.6	71.4



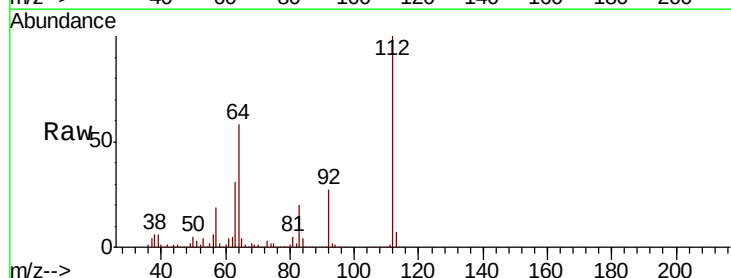
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



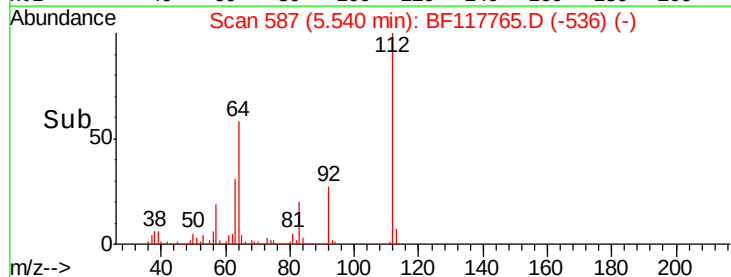
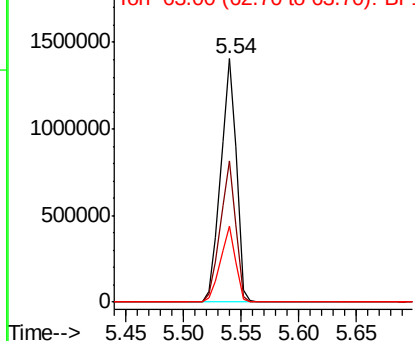
#5

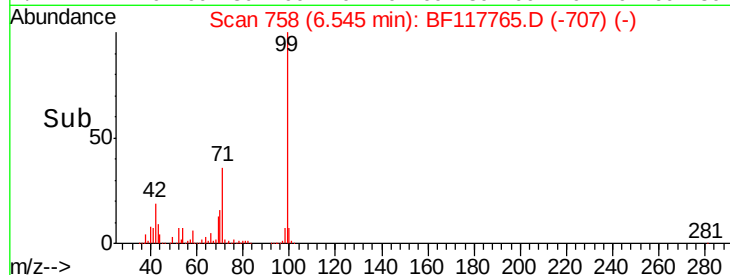
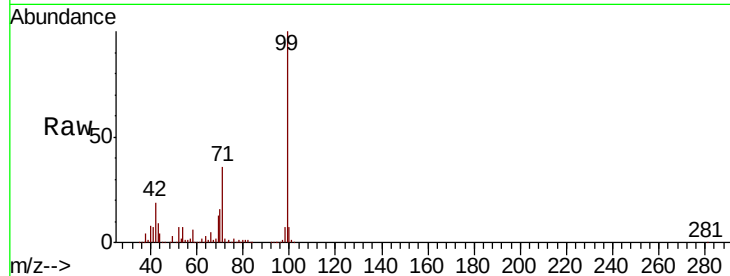
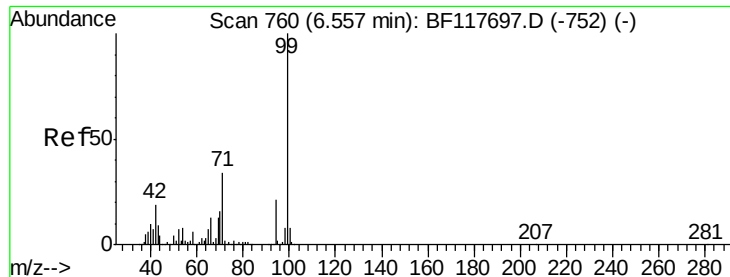
2-Fluorophenol
Concen: 87.041 ng
RT: 5.54 min Scan# 587
Delta R.T. 0.00 min
Lab File: BF117765.D
Acq: 12 Nov 2019 17:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.8	43.5	65.3
63	31.2	23.5	35.3



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 88.321 ng

RT: 6.55 min Scan# 758

Delta R.T. 0.00 min

Lab File: BF117765.D

Acq: 12 Nov 2019 17:49

Instrument :

BNA_F

ClientSampleId :

FINES-NORTH-BERGEN

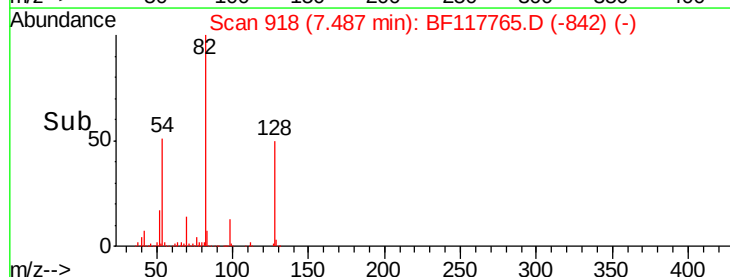
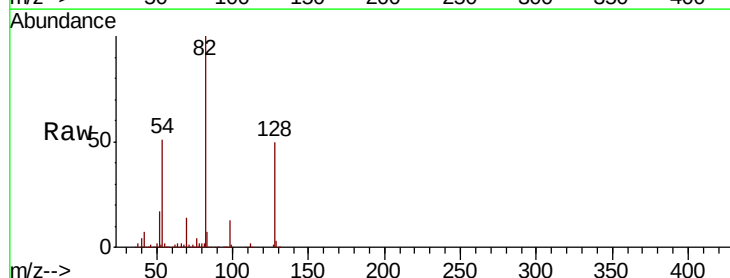
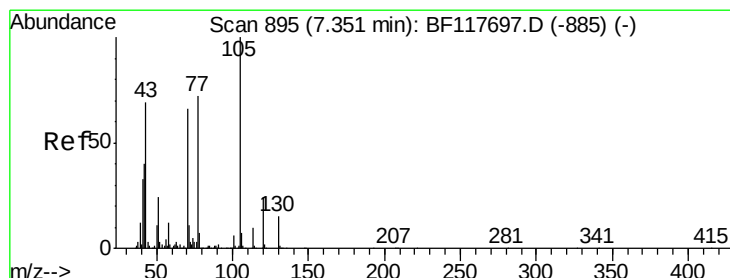
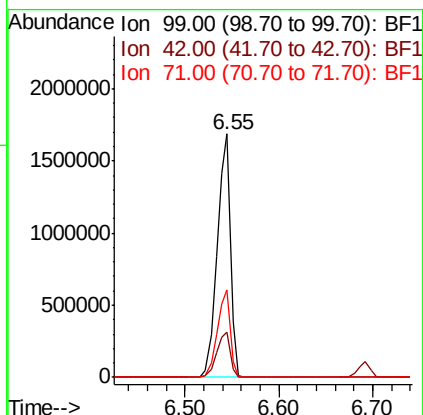
Tot Ion: 99 Resp: 1665283

Ion Ratio Lower Upper

99 100

42 18.7 15.3 22.9

71 35.7 28.2 42.2



#19

n-Nitroso-di-n-propylamine

Concen: 11.264 ng

RT: 7.49 min Scan# 918

Delta R.T. 0.15 min

Lab File: BF117765.D

Acq: 12 Nov 2019 17:49

Tgt Ion: 70 Resp: 139640

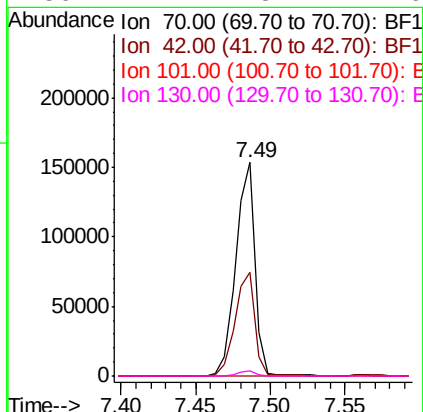
Ion Ratio Lower Upper

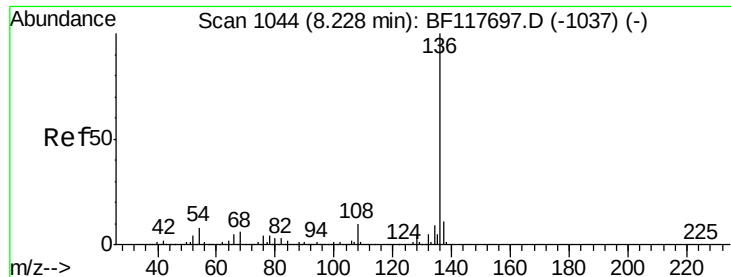
70 100

42 48.6 48.7 73.1#

101 0.0 8.4 12.6#

130 2.7 18.4 27.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.21 min Scan# 1041

Delta R.T. -0.01 min

Lab File: BF117765.D

Acq: 12 Nov 2019 17:49

Instrument :

BNA_F

ClientSampleId :

FINES-NORTH-BERGEN

Tot Ion:136 Resp: 1054870

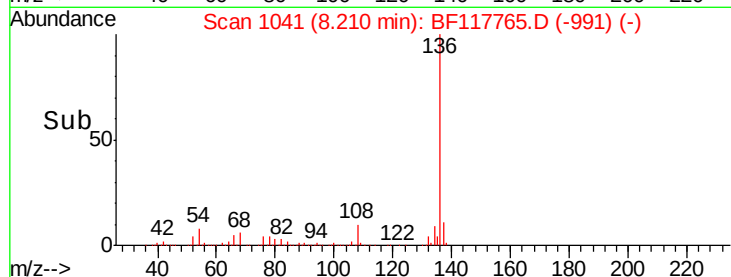
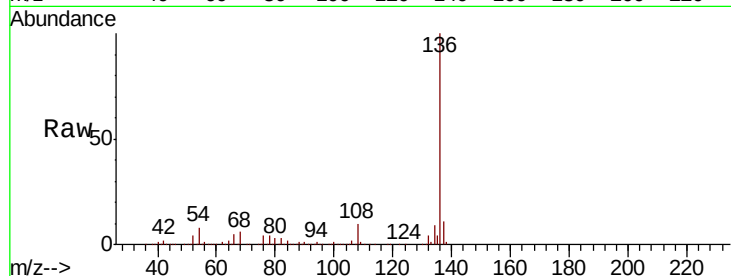
Ion Ratio Lower Upper

136 100

137 11.0 9.0 13.6

54 7.6 6.1 9.1

68 5.9 4.6 7.0

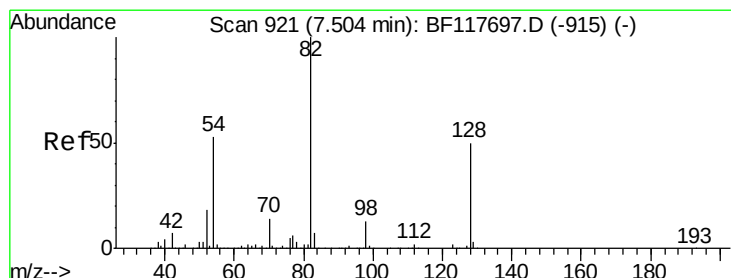
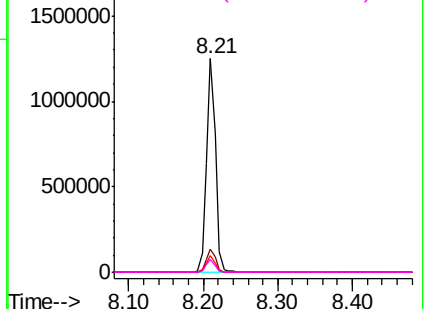


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 57.331 ng

RT: 7.49 min Scan# 918

Delta R.T. -0.01 min

Lab File: BF117765.D

Acq: 12 Nov 2019 17:49

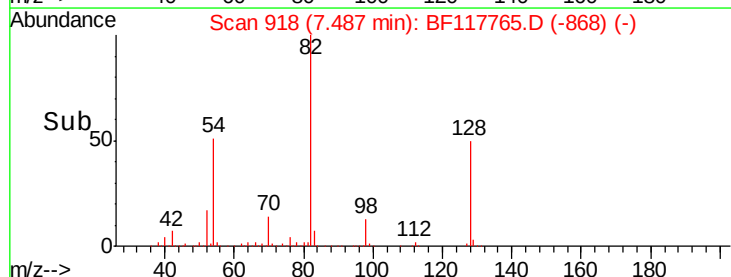
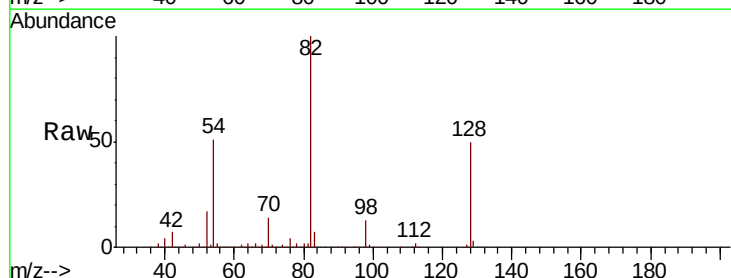
Tgt Ion: 82 Resp: 1024348

Ion Ratio Lower Upper

82 100

128 50.5 38.7 58.1

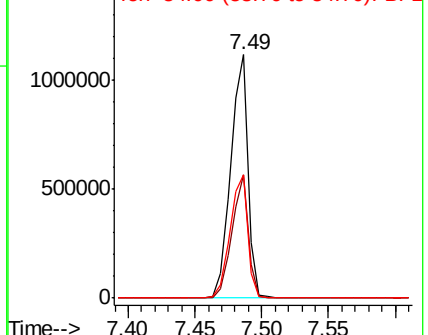
54 50.9 41.4 62.2

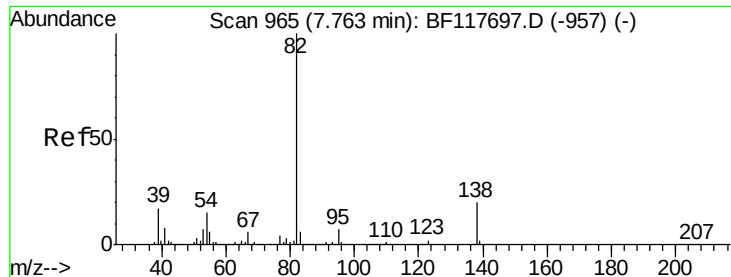


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 29.866 ng

RT: 7.49 min Scan# 918

Delta R.T. -0.26 min

Lab File: BF117765.D

Acq: 12 Nov 2019 17:49

Instrument :

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ClientSampleId :

FINES-NORTH-BERGEN

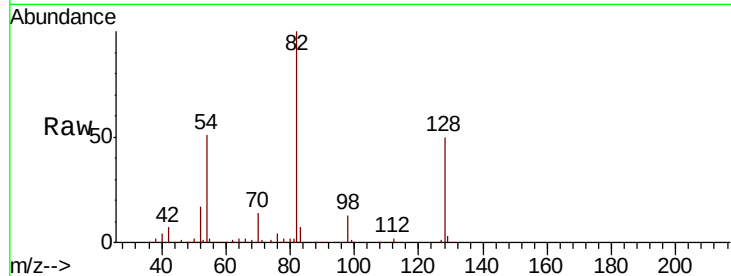
Tot Ion: 82 Resp: 1020640

Ion Ratio Lower Upper

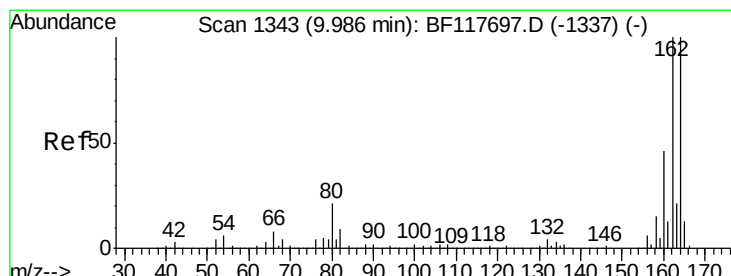
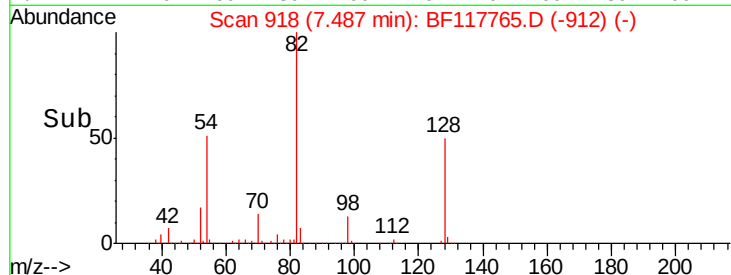
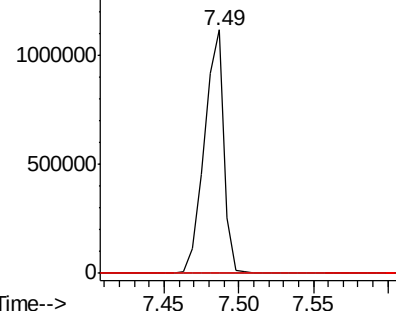
82 100

95 0.0 6.0 9.0#

138 0.0 16.0 24.0#



Abundance Ion 82.00 (81.70 to 82.70): BF1
1500000 Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.97 min Scan# 1341

Delta R.T. -0.01 min

Lab File: BF117765.D

Acq: 12 Nov 2019 17:49

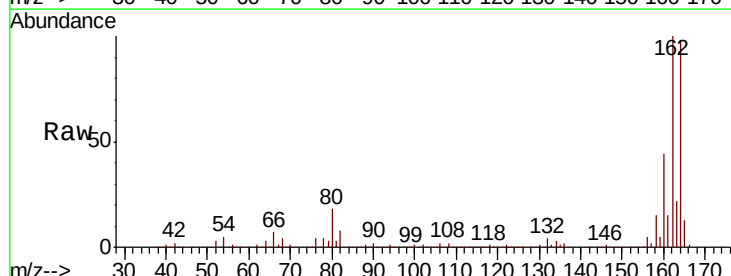
Tgt Ion:164 Resp: 526054

Ion Ratio Lower Upper

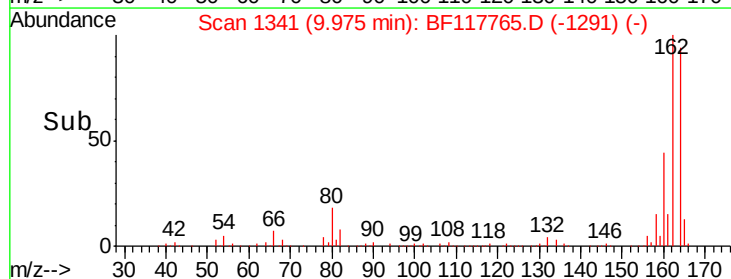
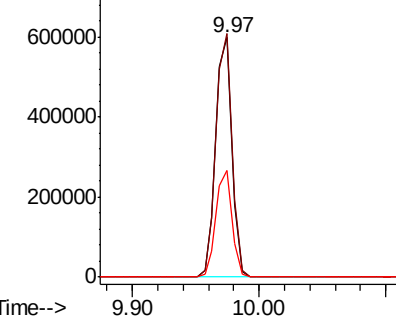
164 100

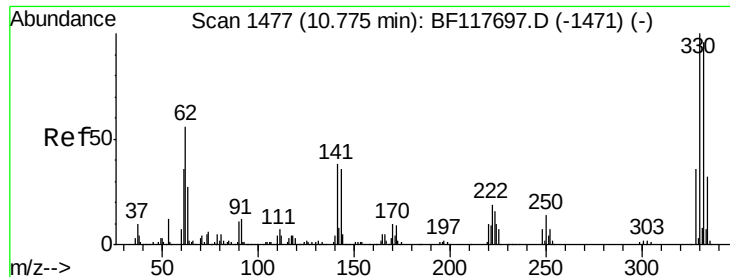
162 101.6 81.2 121.8

160 44.6 36.3 54.5



Abundance Ion 164.00 (163.70 to 164.70): E
800000 Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

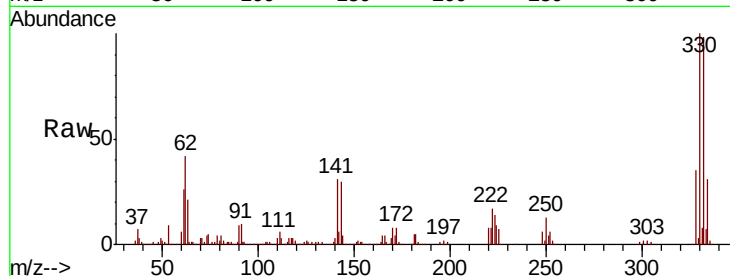




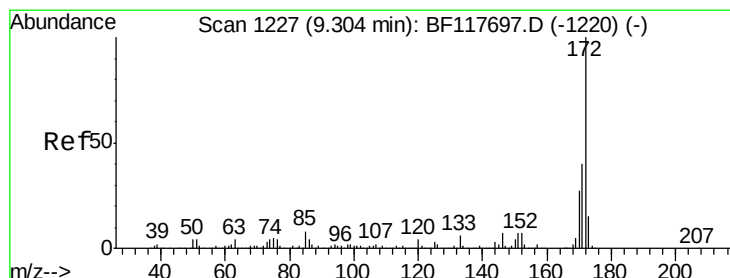
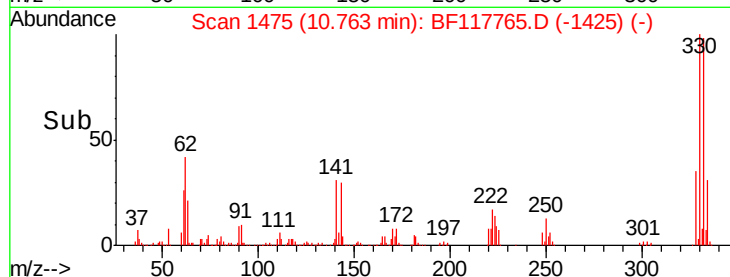
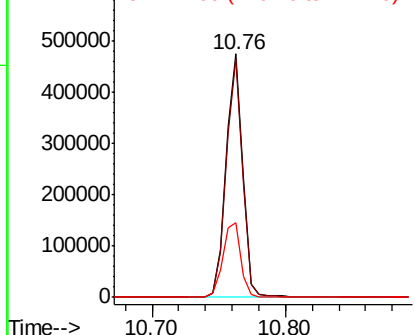
#42
 2,4,6-Tribromophenol
 Concen: 81.555 ng
 RT: 10.76 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: BF117765.D
 Acq: 12 Nov 2019 17:49

Instrument :
 BNA_F
 ClientSampleId :
 FINES-NORTH-BERGEN

Tot Ion:330 Resp: 419684
 Ion Ratio Lower Upper
 330 100
 332 97.2 76.9 115.3
 141 33.0 26.5 39.7

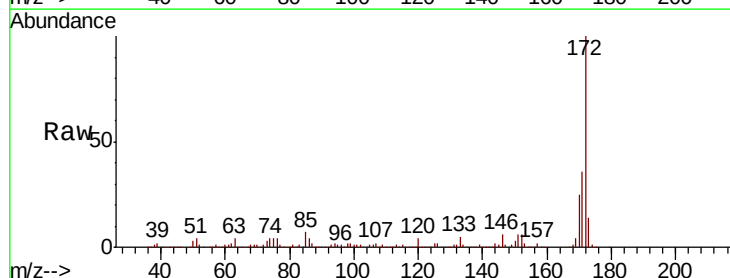


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

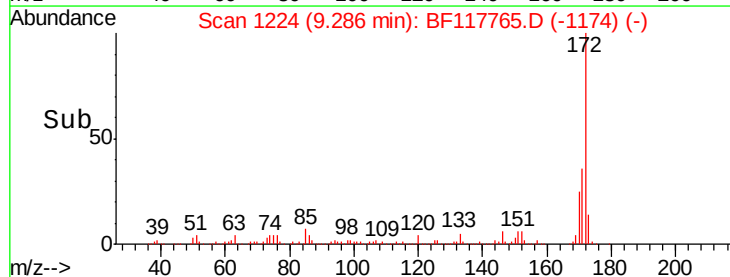
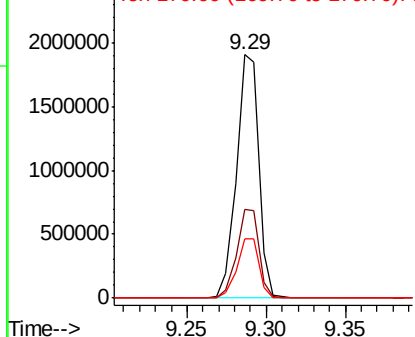


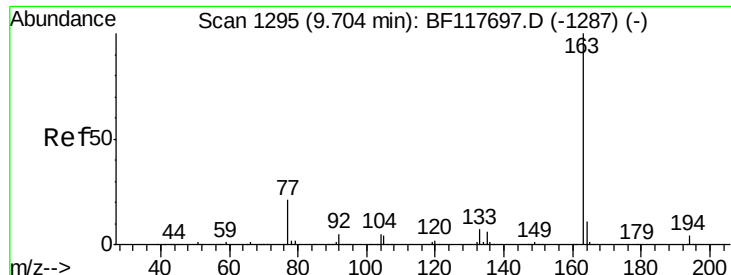
#45
 2-Fluorobiphenyl
 Concen: 69.820 ng
 RT: 9.29 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: BF117765.D
 Acq: 12 Nov 2019 17:49

Tgt Ion:172 Resp: 1861563
 Ion Ratio Lower Upper
 172 100
 171 36.5 30.7 46.1
 170 24.6 20.6 30.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

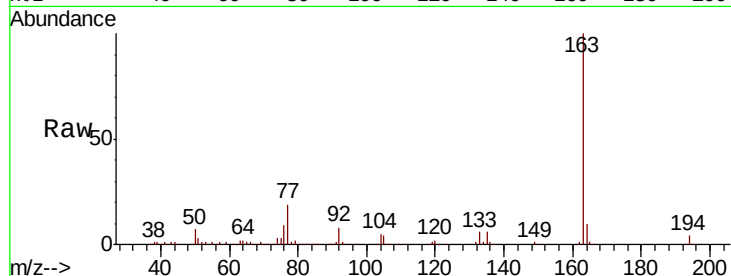




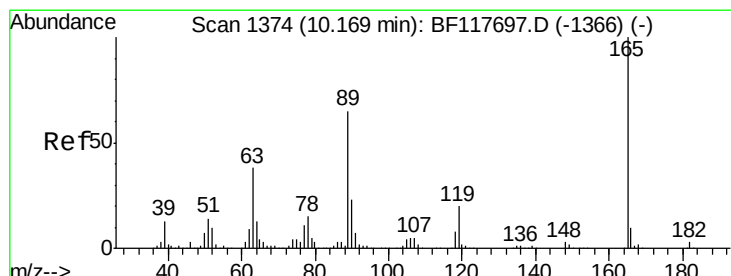
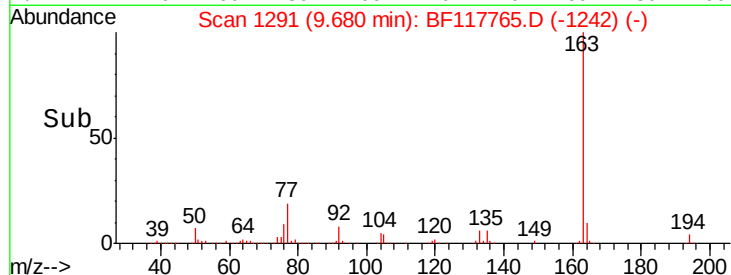
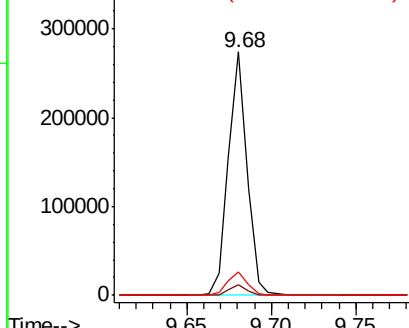
#50
Dimethylphthalate
Concen: 5.935 ng
RT: 9.68 min Scan# 1291
Delta R.T. -0.01 min
Lab File: BF117765.D
Acq: 12 Nov 2019 17:49

Instrument :
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Tot Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.2	4.8
164	9.7	8.6	13.0



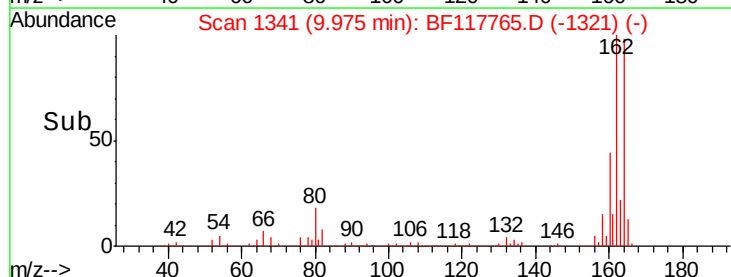
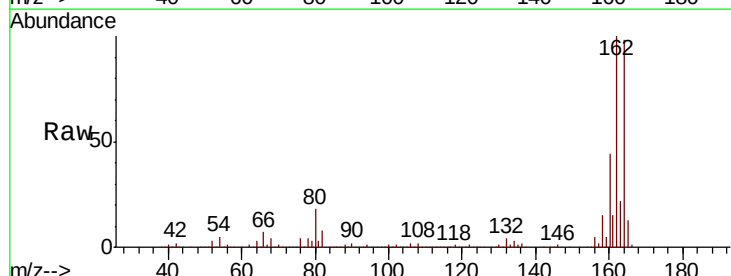
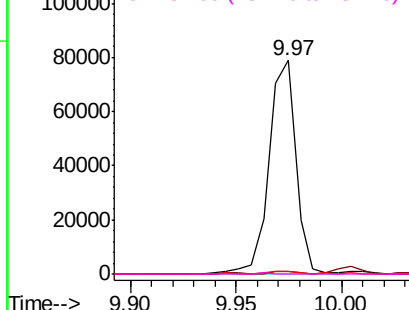
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

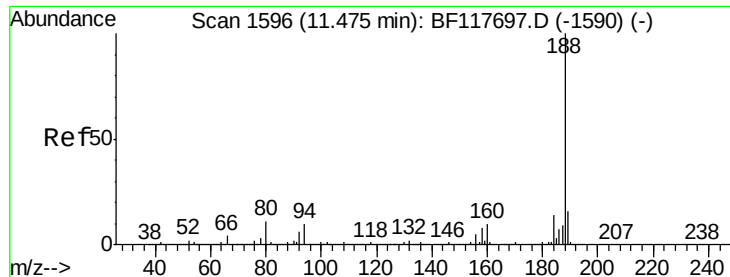


#57
2,4-Dinitrotoluene
Concen: 6.887 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.18 min
Lab File: BF117765.D
Acq: 12 Nov 2019 17:49

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	34.4	51.6#
89	1.4	57.8	86.8#
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

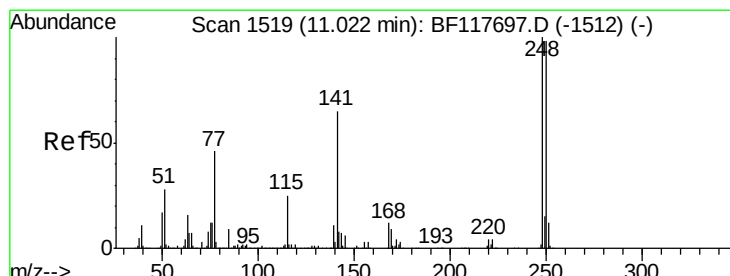
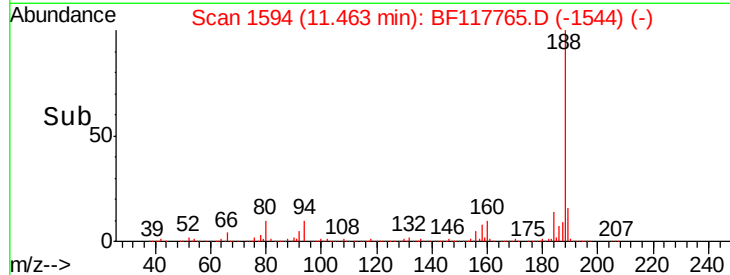
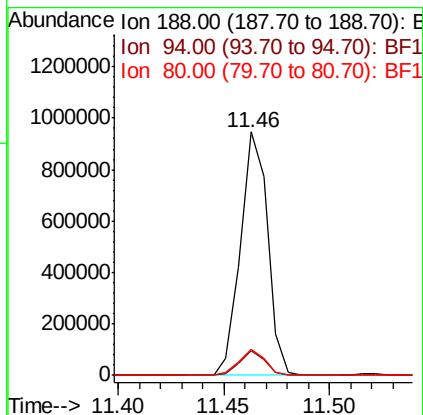
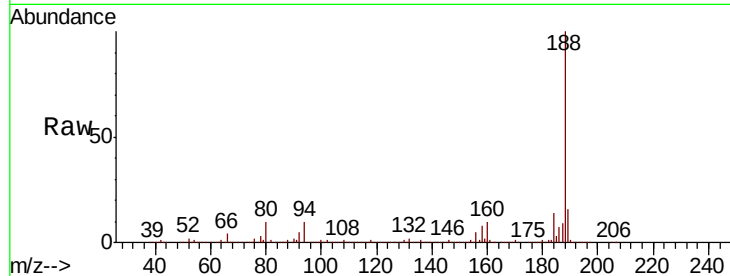




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.46 min Scan# 1594
Delta R.T. -0.01 min
Lab File: BF117765.D
Acq: 12 Nov 2019 17:49

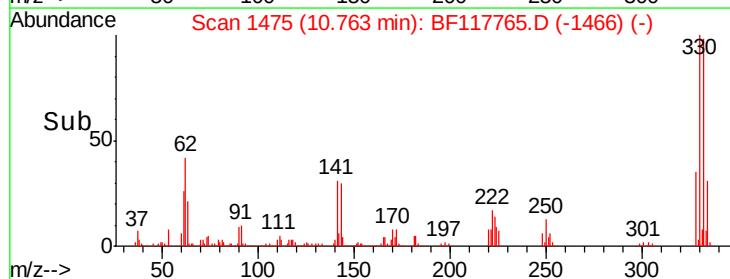
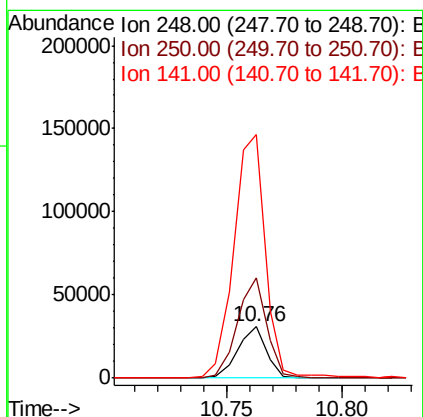
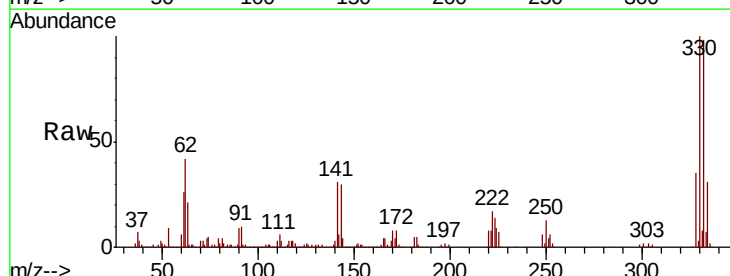
Instrument :
BNA_F
ClientSampleId :
FINES-NORTH-BERGEN

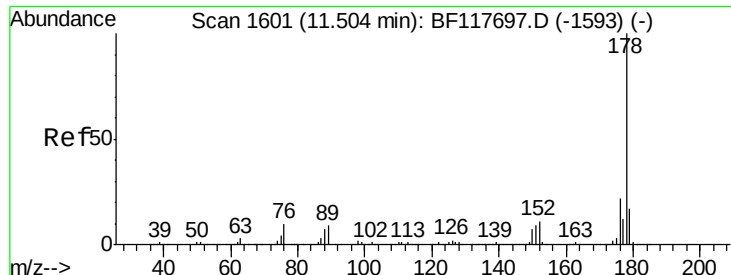
Tot Ion:188 Resp: 842583
Ion Ratio Lower Upper
188 100
94 10.1 7.4 11.2
80 10.4 8.1 12.1



#67
4-Bromophenyl-phenylether
Concen: 2.908 ng
RT: 10.76 min Scan# 1475
Delta R.T. -0.25 min
Lab File: BF117765.D
Acq: 12 Nov 2019 17:49

Tgt Ion:248 Resp: 26763
Ion Ratio Lower Upper
248 100
250 195.4 77.8 116.6#
141 477.3 58.6 88.0#

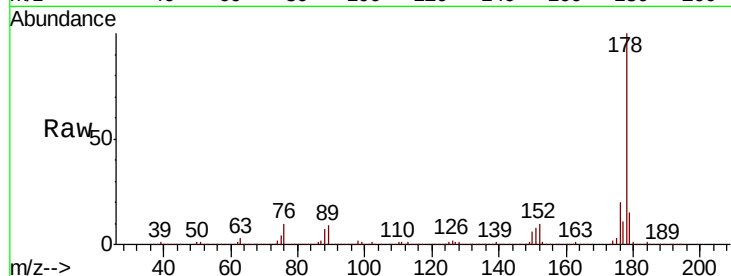




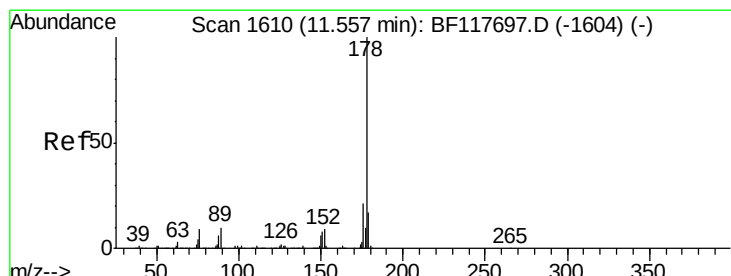
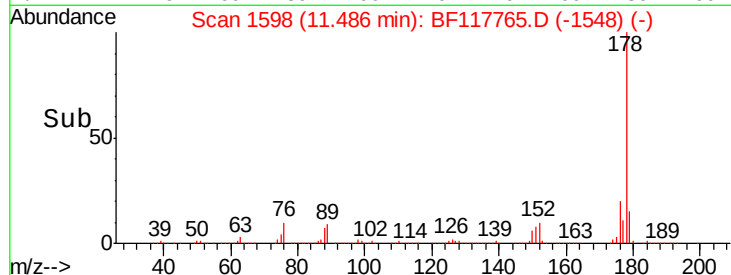
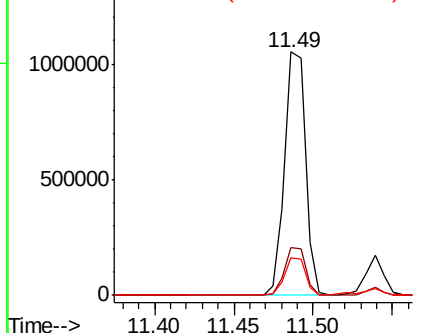
#71
Phenanthrene
Concen: 23.962 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.01 min
Lab File: BF117765.D
Acq: 12 Nov 2019 17:49

Instrument :
BNA_F
ClientSampleId :
FINES-NORTH-BERGEN

Tot Ion:178 Resp: 967743
Ion Ratio Lower Upper
178 100
176 19.8 16.8 25.2
179 15.4 13.5 20.3

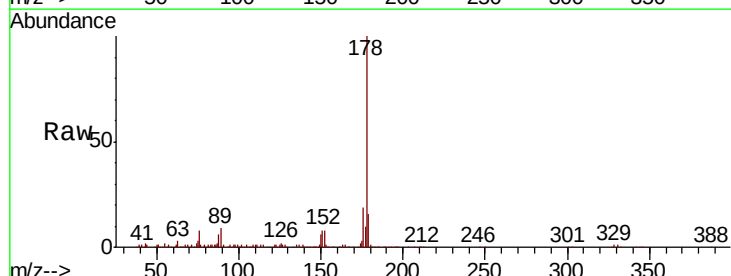


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

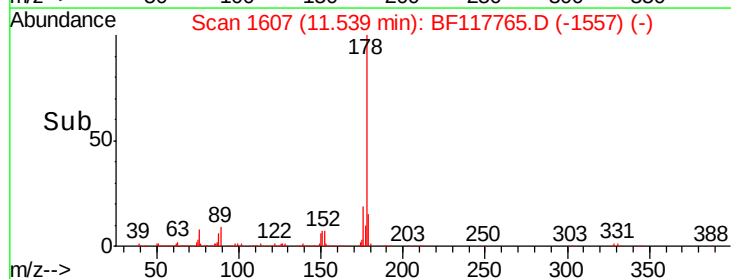
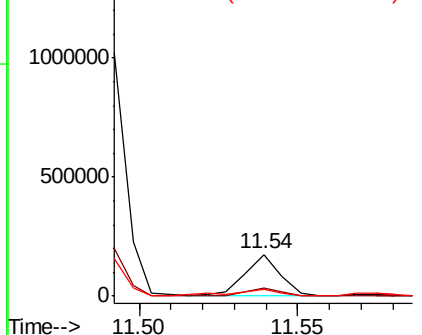


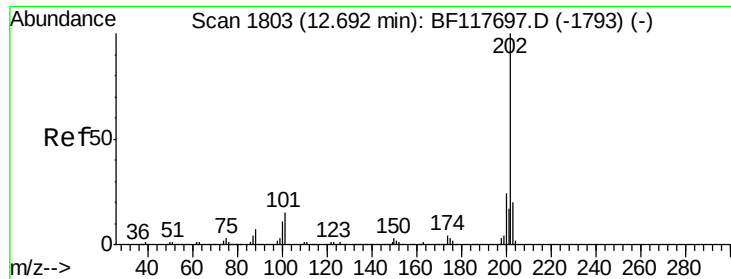
#72
Anthracene
Concen: 3.257 ng
RT: 11.54 min Scan# 1607
Delta R.T. -0.01 min
Lab File: BF117765.D
Acq: 12 Nov 2019 17:49

Tgt Ion:178 Resp: 130855
Ion Ratio Lower Upper
178 100
176 18.6 16.4 24.6
179 15.7 13.6 20.4



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: 33.827 ng

RT: 12.69 min Scan# 1802

Delta R.T. 0.00 min

Lab File: BF117765.D

Acq: 12 Nov 2019 17:49

Instrument :

BNA_F

ClientSampleId :

FINES-NORTH-BERGEN

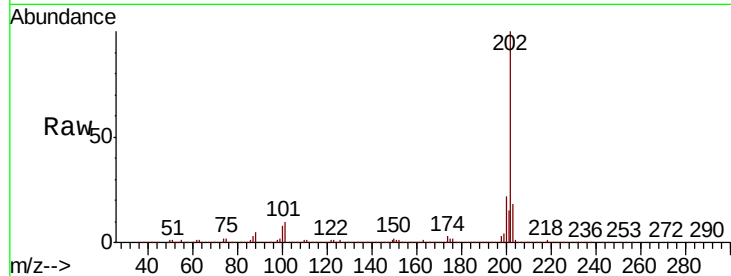
Tot Ion:202 Resp: 1394983

Ion Ratio Lower Upper

202 100

101 10.4 0.0 32.5

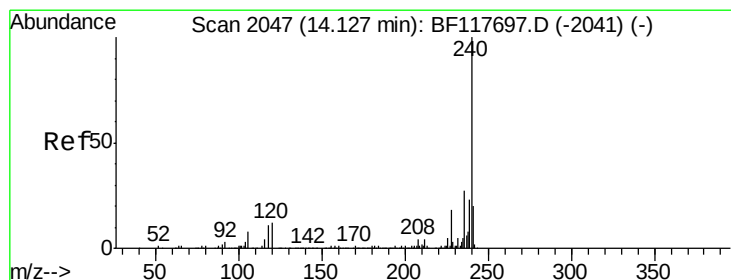
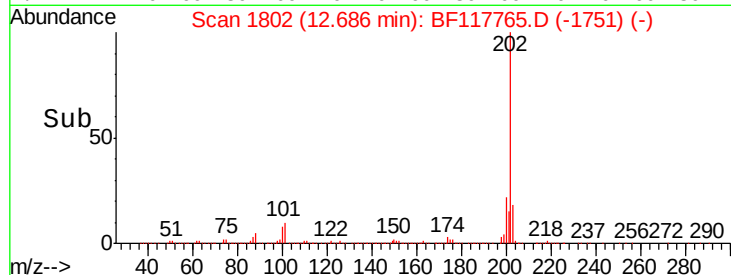
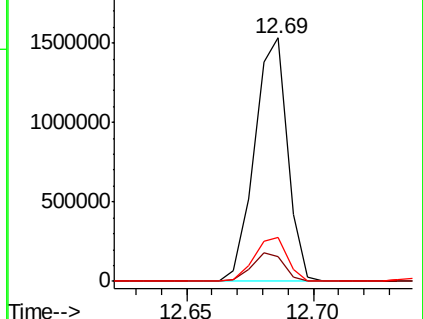
203 18.0 0.0 38.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.12 min Scan# 2045

Delta R.T. -0.01 min

Lab File: BF117765.D

Acq: 12 Nov 2019 17:49

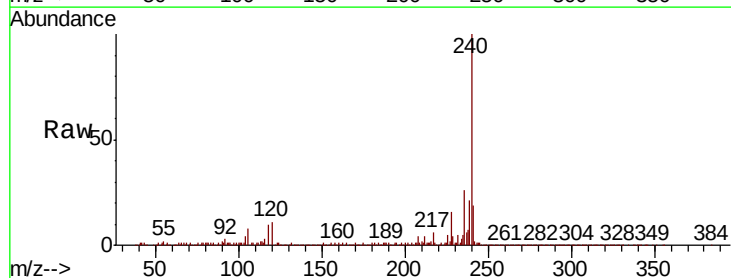
Tgt Ion:240 Resp: 597461

Ion Ratio Lower Upper

240 100

120 10.9 9.3 13.9

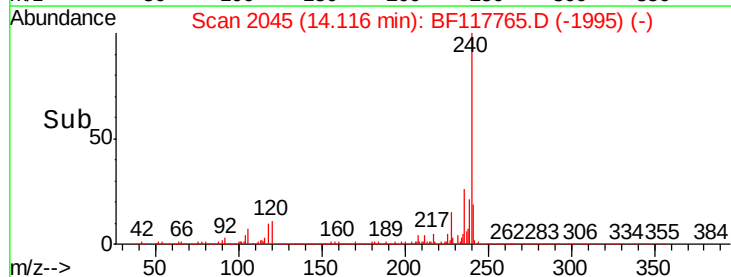
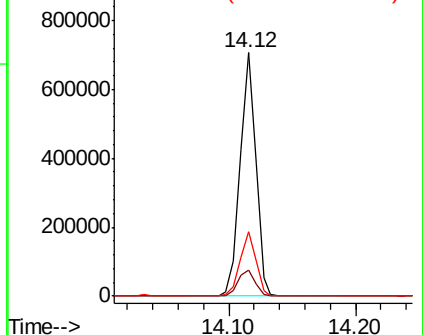
236 26.2 21.4 32.0

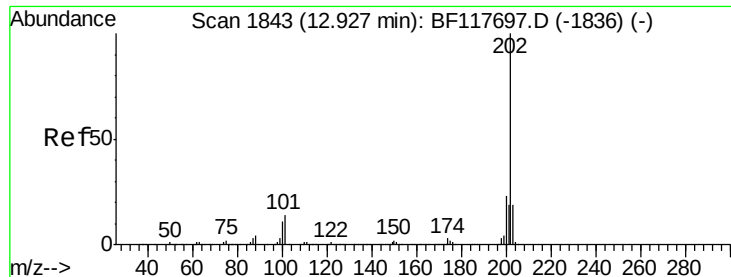


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 27.333 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.00 min

Lab File: BF117765.D

Acq: 12 Nov 2019 17:49

Instrument :

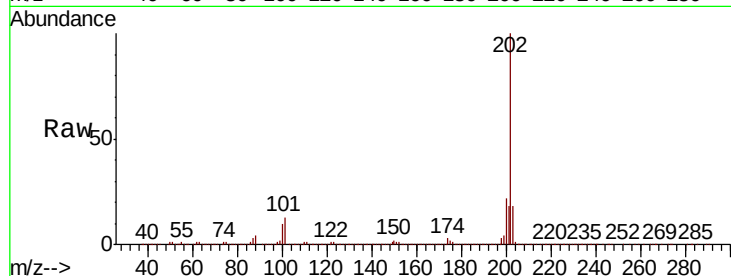
BNA_F

ClientSampleId :

FINES-NORTH-BERGEN

Tot Ion:202 Resp: 1192091

Ion	Ratio	Lower	Upper
202	100		
200	21.6	18.9	28.3
203	17.9	15.3	22.9

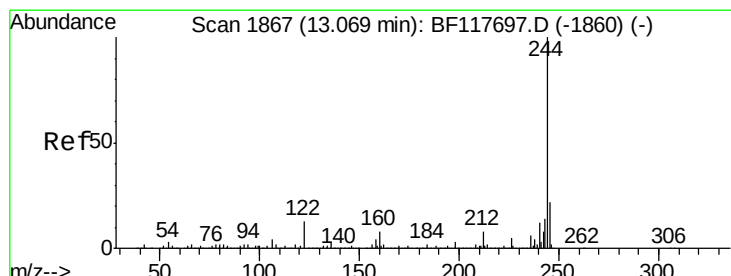
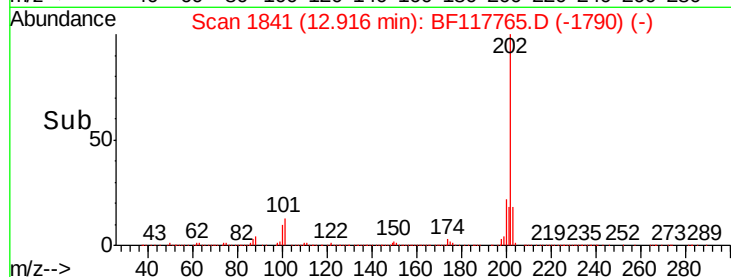
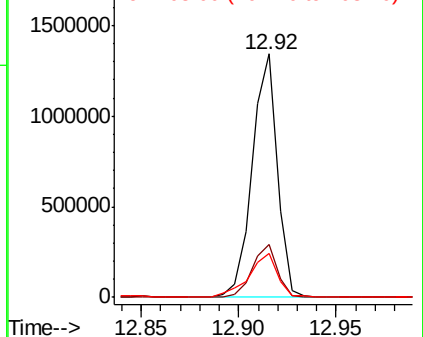


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 55.848 ng

RT: 13.06 min Scan# 1865

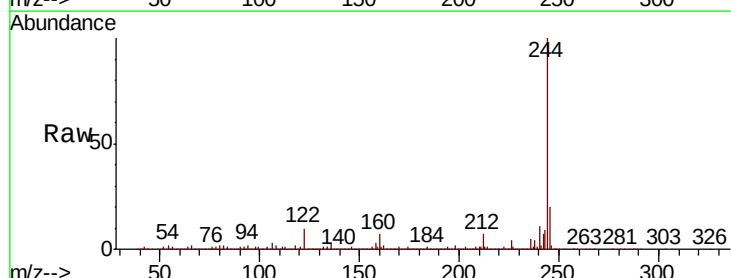
Delta R.T. -0.01 min

Lab File: BF117765.D

Acq: 12 Nov 2019 17:49

Tgt Ion:244 Resp: 1620880

Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.2	9.4
122	10.1	9.1	13.7

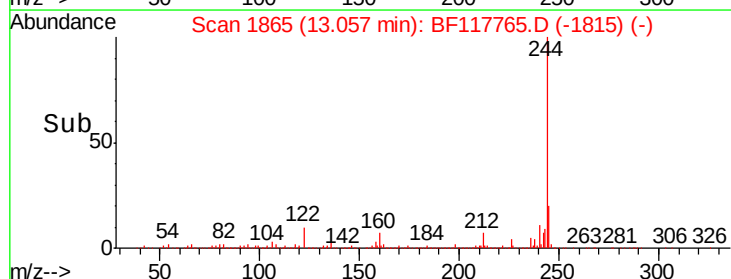
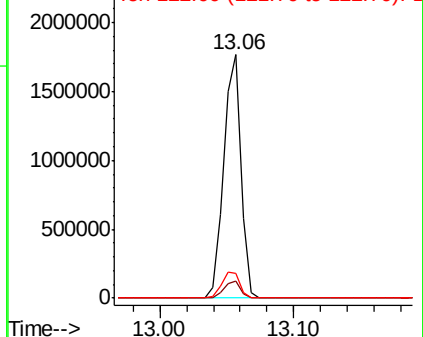


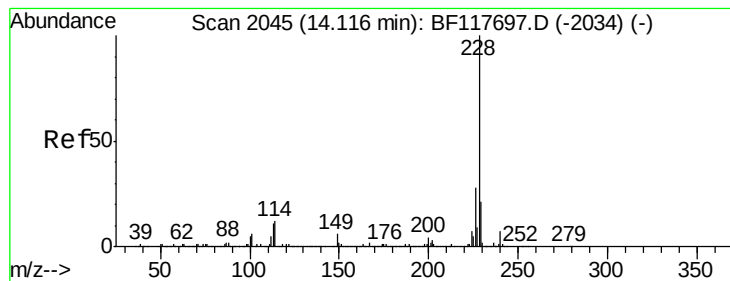
Abundance

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: 15.385 ng

RT: 14.10 min Scan# 2043

Delta R.T. -0.01 min

Lab File: BF117765.D

Acq: 12 Nov 2019 17:49

Instrument :

BNA_F

ClientSampleId :

FINES-NORTH-BERGEN

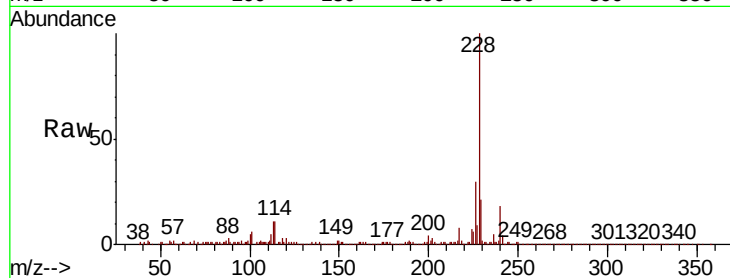
Tot Ion:228 Resp: 572179

Ion Ratio Lower Upper

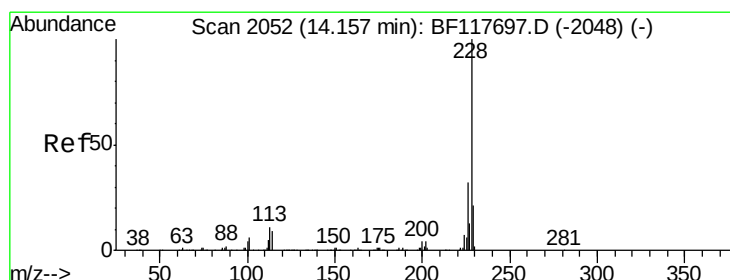
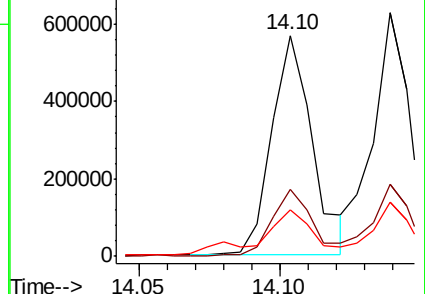
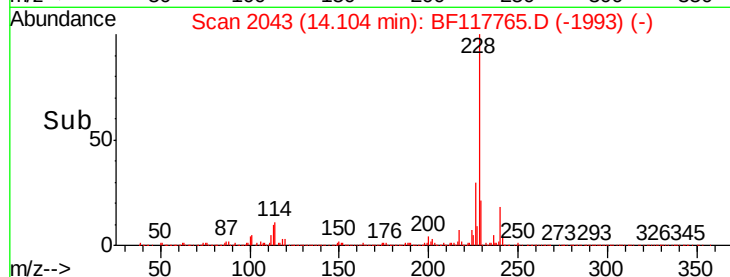
228 100

226 30.3 22.6 33.8

229 21.2 17.0 25.4



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: 15.271 ng

RT: 14.14 min Scan# 2049

Delta R.T. -0.01 min

Lab File: BF117765.D

Acq: 12 Nov 2019 17:49

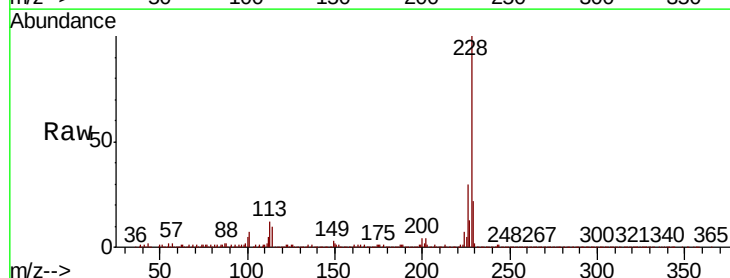
Tgt Ion:228 Resp: 560842

Ion Ratio Lower Upper

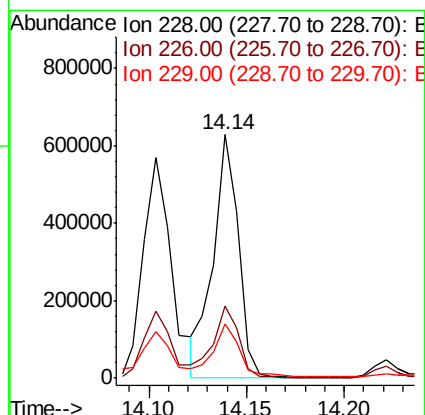
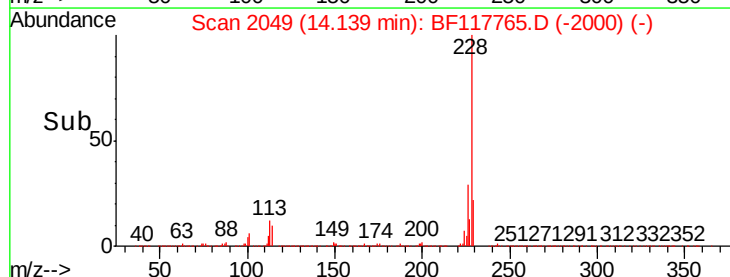
228 100

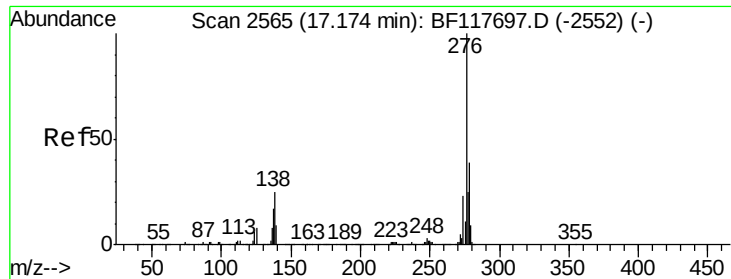
226 29.7 25.1 37.7

229 22.5 16.6 25.0



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

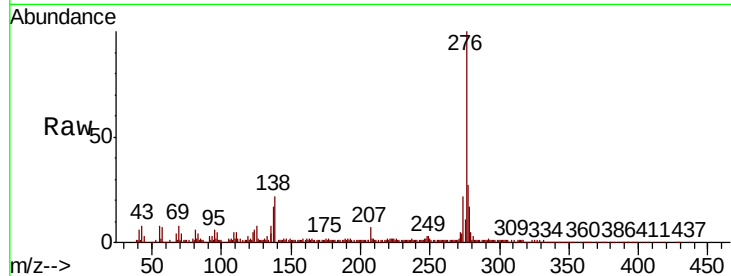




#86
Indeno(1,2,3-cd)pyrene
Concen: 8.180 ng
RT: 17.16 min Scan# 2562
Delta R.T. -0.01 min
Lab File: BF117765.D
Acq: 12 Nov 2019 17:49

Instrument :
BNA_F
ClientSampleId :
FINES-NORTH-BERGEN

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.7	21.2	31.8
277	23.8	20.1	30.1

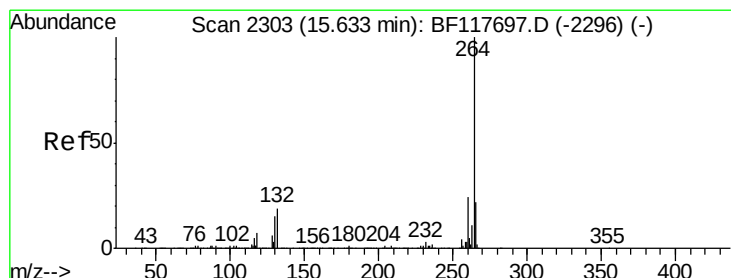
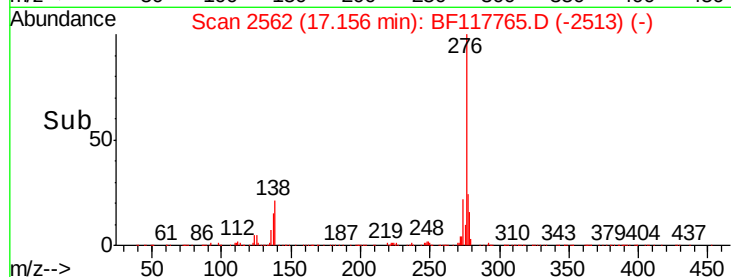
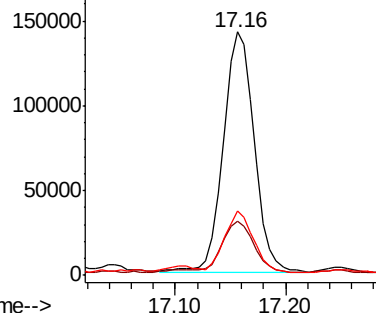


Abundance

Ion 276.00 (275.70 to 276.70): E

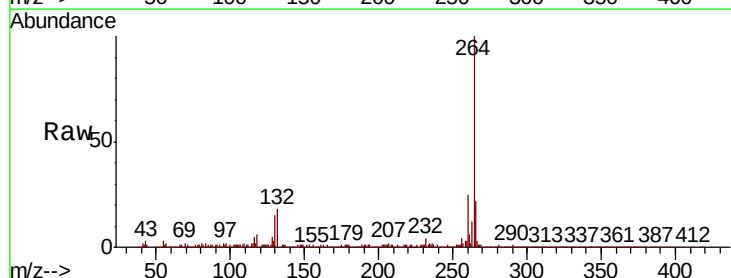
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.63 min Scan# 2302
Delta R.T. 0.00 min
Lab File: BF117765.D
Acq: 12 Nov 2019 17:49

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.0	28.6
265	22.5	17.2	25.8

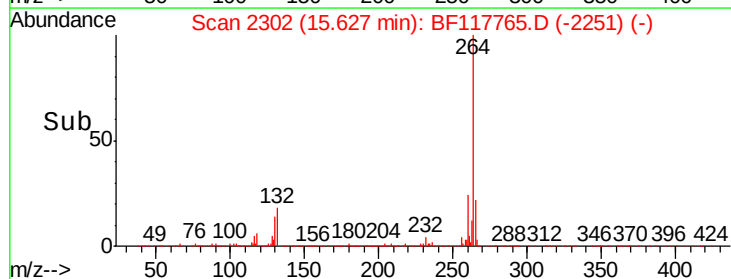
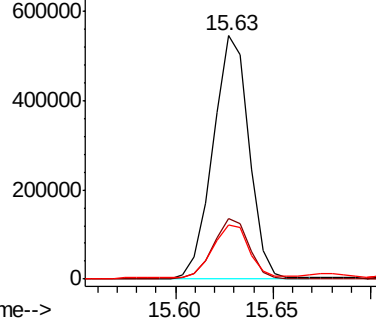


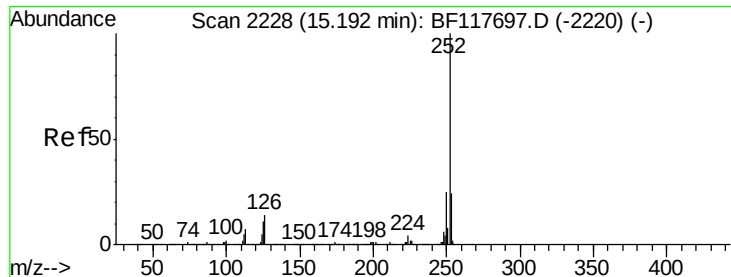
Abundance

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: 22.852 ng

RT: 15.18 min Scan# 2226

Delta R.T. -0.01 min

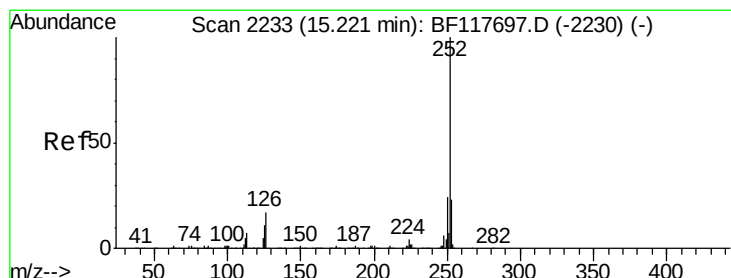
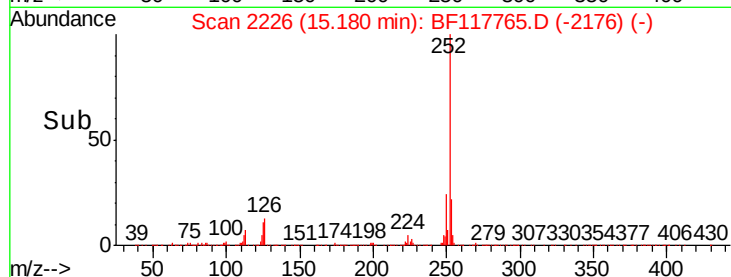
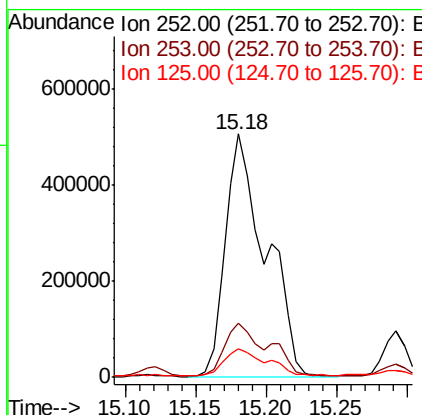
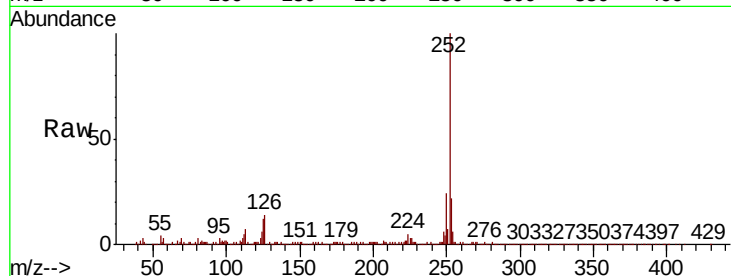
Lab File: BF117765.D

Acq: 12 Nov 2019 17:49

Instrument :
BNA_F
ClientSampleId :
FINES-NORTH-BERGEN

Tot Ion:252 Resp: 1003591

Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.3	27.5
125	11.9	8.4	12.6



#89

Benzo(k)fluoranthene

Concen: 25.622 ng

RT: 15.18 min Scan# 2226

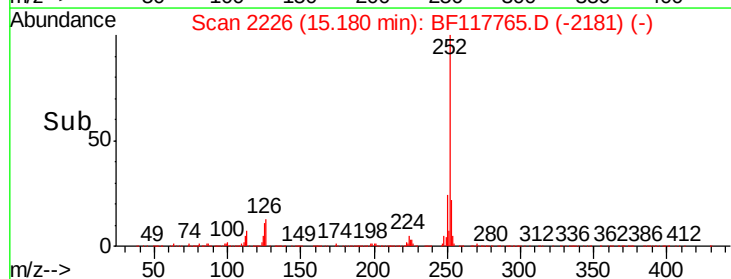
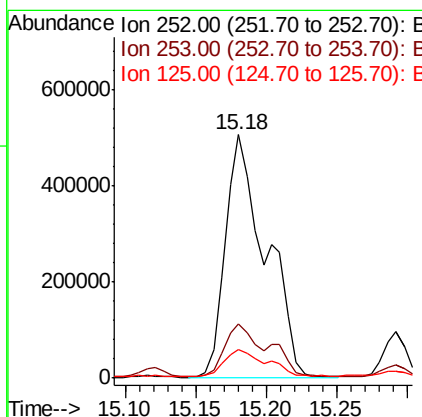
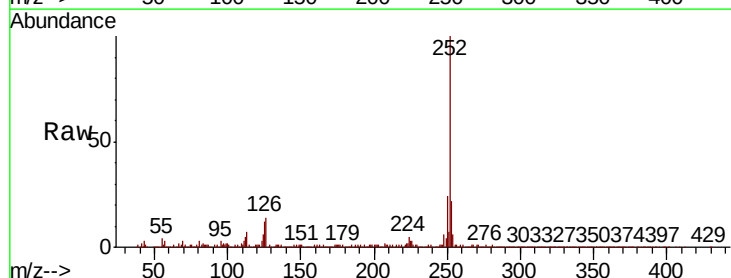
Delta R.T. -0.04 min

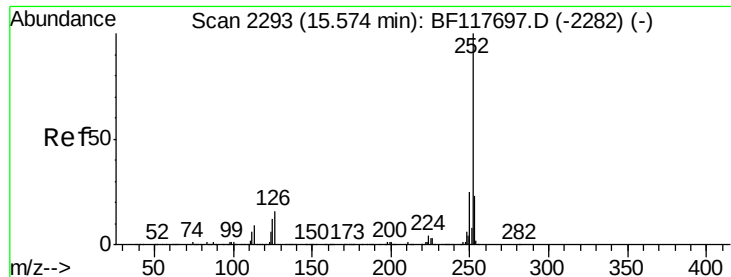
Lab File: BF117765.D

Acq: 12 Nov 2019 17:49

Tgt Ion:252 Resp: 1003591

Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.6	28.0
125	11.9	8.9	13.3

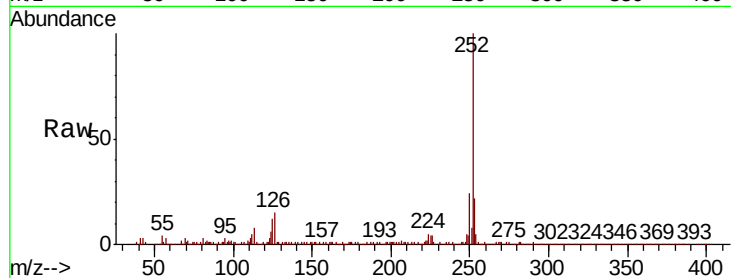




#90
Benzo(a)pyrene
Concen: 12.875 ng
RT: 15.56 min Scan# 2291
Delta R.T. -0.01 min
Lab File: BF117765.D
Acq: 12 Nov 2019 17:49

Instrument :
BNA_F
ClientSampleId :
FINES-NORTH-BERGEN

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.2	27.2
125	12.1	9.6	14.4

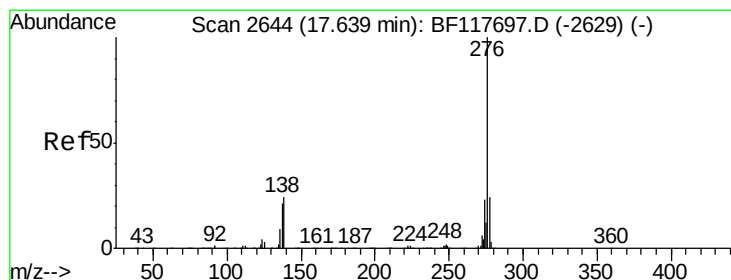
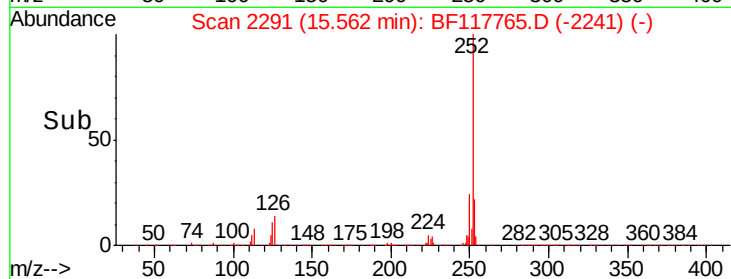
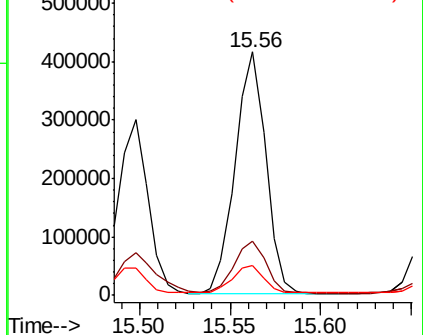


Abundance

Ion 252.00 (251.70 to 252.70): E

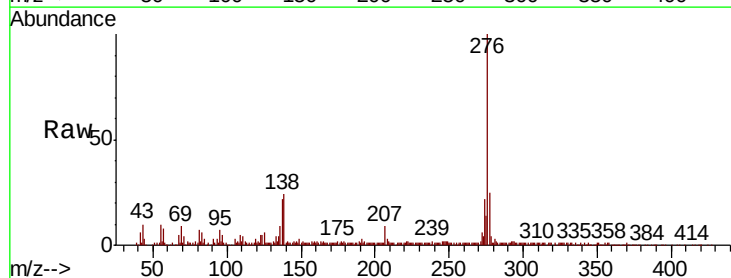
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 7.100 ng
RT: 17.62 min Scan# 2641
Delta R.T. -0.01 min
Lab File: BF117765.D
Acq: 12 Nov 2019 17:49

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.0	28.6
138	23.8	18.6	27.8



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

