

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072820\
 Data File : BF121064.D
 Acq On : 28 Jul 2020 12:19
 Operator : JU/CG
 Sample : L3382-13
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CTR-005

Quant Time: Jul 28 12:45:21 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 16 14:20:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	152680	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	558335	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	306072	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	596011	20.00	ng	0.00
76) Chrysene-d12	13.97	240	525030	20.00	ng	0.00
86) Perylene-d12	15.42	264	459564	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	845287	90.76	ng	0.00
7) Phenol-d6	6.44	99	1019713	84.76	ng	0.00
23) Nitrobenzene-d5	7.37	82	627798	65.06	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	341496	101.93	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1280819	62.48	ng	0.00
79) Terphenyl-d14	12.92	244	1370468	56.74	ng	0.00

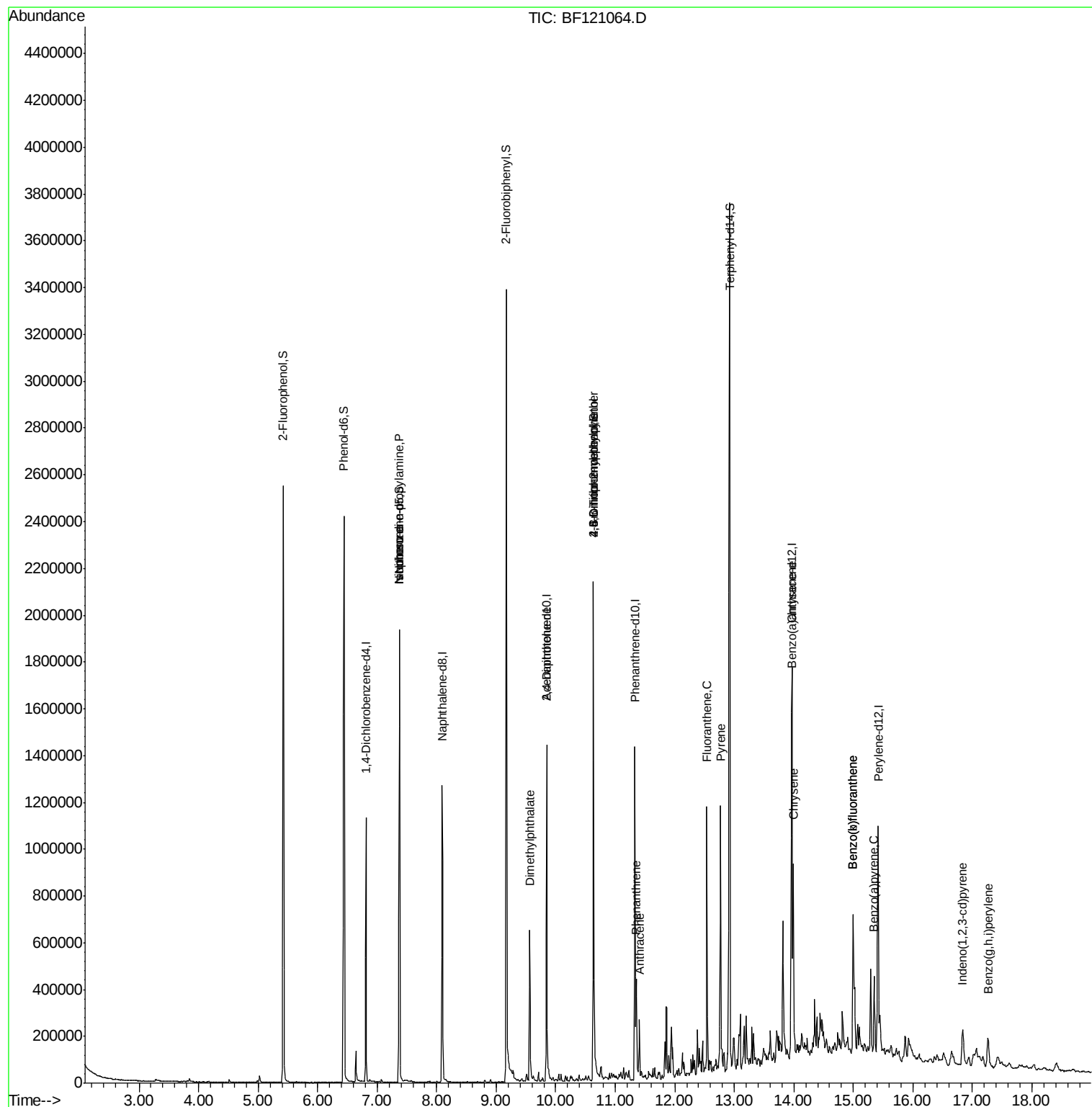
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.36	77	117	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.37	70	82958	12.127	ng	# 76
25) Isophorone	7.37	82	627788	32.599	ng	# 63
50) Dimethylphthalate	9.56	163	277643	12.574	ng	# 99
57) 2,4-Dinitrotoluene	9.85	165	39556	6.349	ng	# 27
65) 4,6-Dinitro-2-methylphenol	10.63	198	572	3.995	ng	# 1
67) 4-Bromophenyl-phenylether	10.63	248	18919	2.847	ng	# 1
71) Phenanthrene	11.35	178	148521	4.845	ng	98
72) Anthracene	11.40	178	94940	3.084	ng	98
75) Fluoranthene	12.54	202	452547	13.319	ng	99
78) Pyrene	12.77	202	462737	12.466	ng	99
81) Benzo(a)anthracene	13.96	228	228798	7.196	ng	98
83) Chrysene	13.99	228	327774	9.810	ng	98
87) Indeno(1,2,3-cd)pyrene	16.83	276	110756	3.465	ng	94
88) Benzo(b)fluoranthene	14.99	252	447617	16.114	ng	98
89) Benzo(k)fluoranthene	14.99	252	447617	17.668	ng	99
90) Benzo(a)pyrene	15.35	252	169440	6.685	ng	100
92) Benzo(g,h,i)perylene	17.26	276	103034	4.003	ng	99

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072820\
Data File : BF121064.D
Acq On : 28 Jul 2020 12:19
Operator : JU/CG
Sample : L3382-13
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CTR-005

Quant Time: Jul 28 12:45:21 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 16 14:20:32 2020
Response via : Initial Calibration



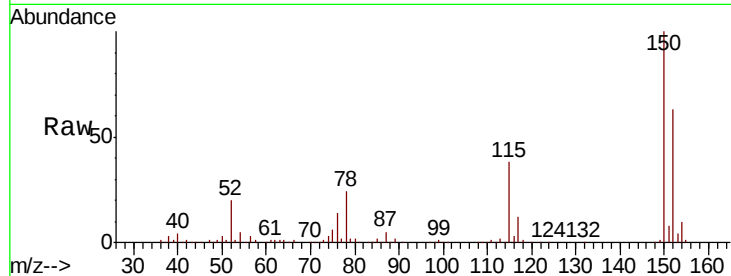


#1

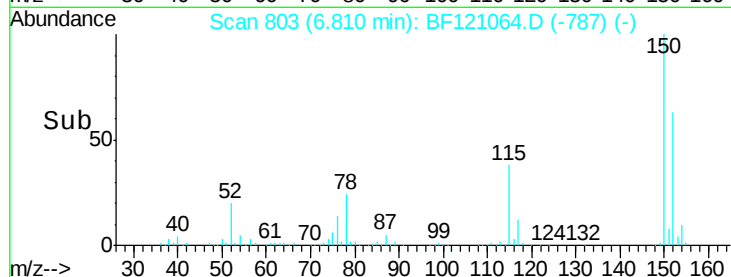
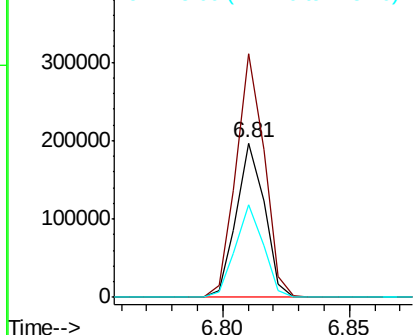
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF121064.D
Acq: 28 Jul 2020 12:19

Instrument :
BNA_F
ClientSampleId :
CTR-005

Tot Ion:152 Resp: 152680
Ion Ratio Lower Upper
152 100
150 157.5 125.0 187.6
115 59.8 47.0 70.4



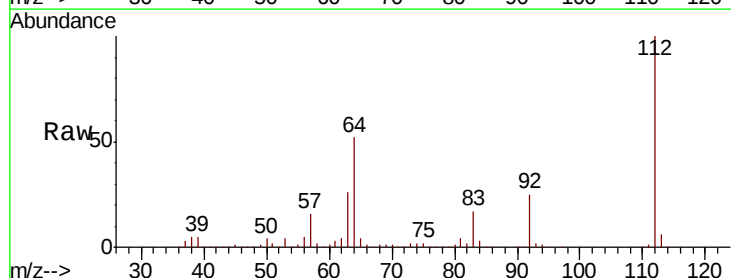
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



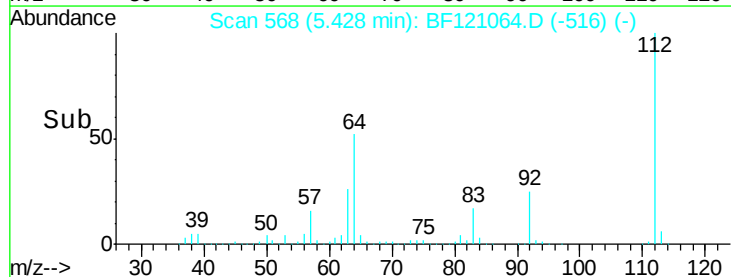
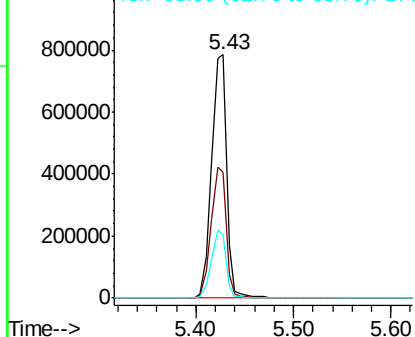
#5

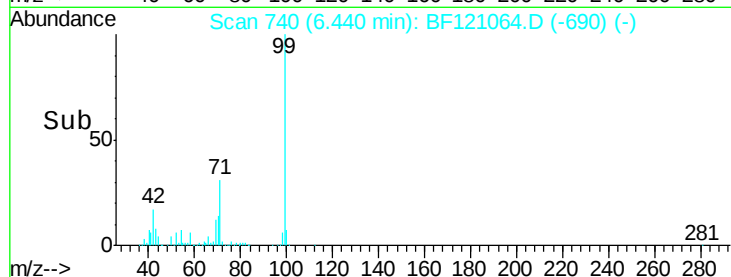
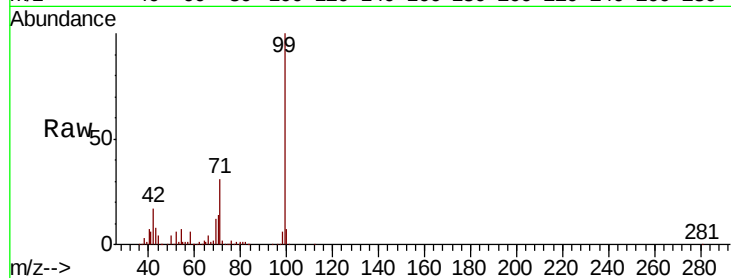
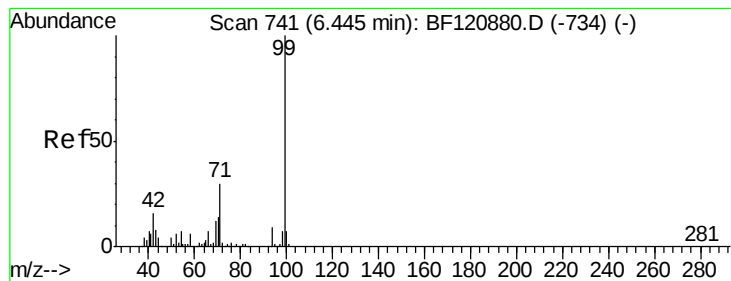
2-Fluorophenol
Concen: 90.760 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF121064.D
Acq: 28 Jul 2020 12:19

Tgt Ion:112 Resp: 845287
Ion Ratio Lower Upper
112 100
64 51.5 41.3 61.9
63 25.9 21.1 31.7



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: 84.760 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF121064.D

Acq: 28 Jul 2020 12:19

Instrument :

BNA_F

ClientSampleId :

CTR-005

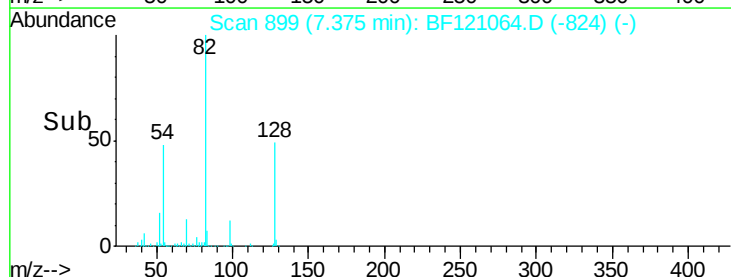
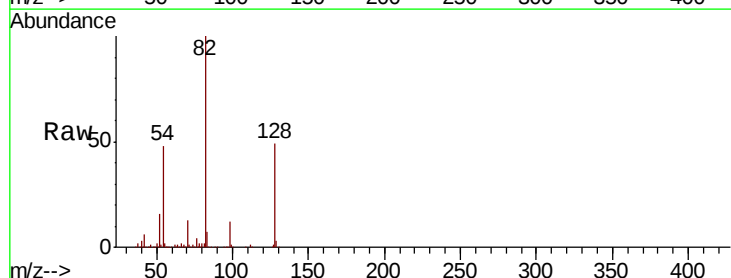
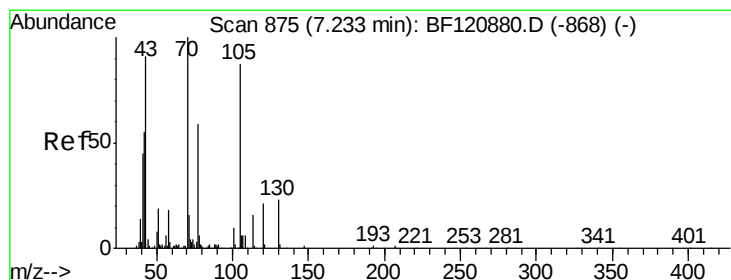
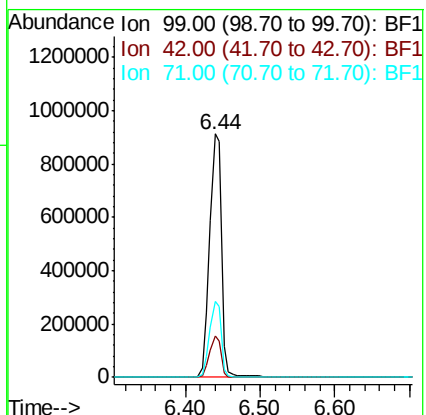
Tot Ion: 99 Resp: 1019713

Ion Ratio Lower Upper

99 100

42 17.1 13.1 19.7

71 31.4 24.2 36.4



#19

n-Nitroso-di-n-propylamine

Concen: 12.127 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.14 min

Lab File: BF121064.D

Acq: 28 Jul 2020 12:19

Tgt Ion: 70 Resp: 82958

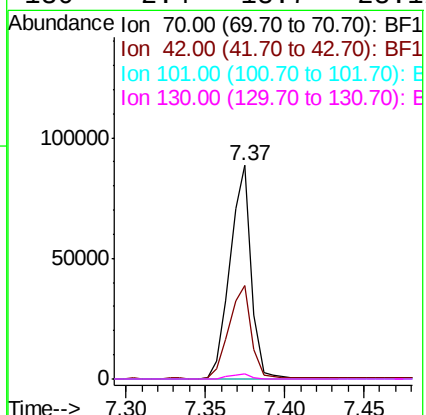
Ion Ratio Lower Upper

70 100

42 43.7 44.0 66.0#

101 0.0 7.8 11.6#

130 2.4 18.7 28.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF121064.D

Acq: 28 Jul 2020 12:19

Instrument :

BNA_F

ClientSampled :

CTR-005

Tot Ion:136 Resp: 558335

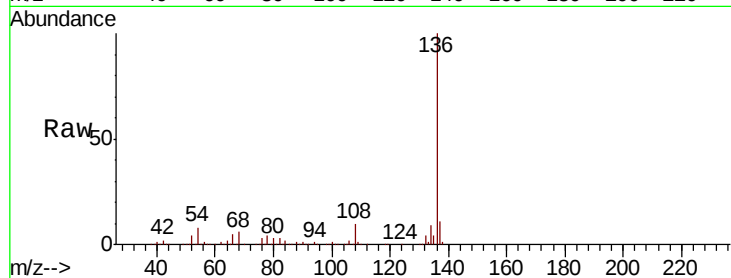
Ion Ratio Lower Upper

136 100

137 11.2 9.3 13.9

54 7.6 6.3 9.5

68 6.0 5.0 7.4

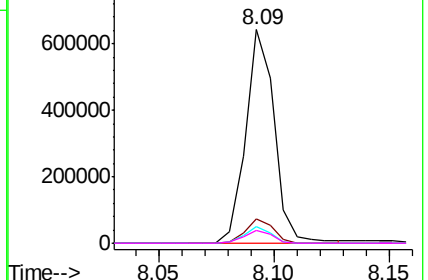
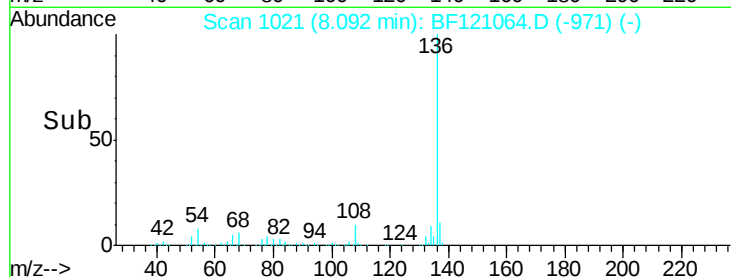


Abundance Ion 136.00 (135.70 to 136.70): E

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: 65.062 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF121064.D

Acq: 28 Jul 2020 12:19

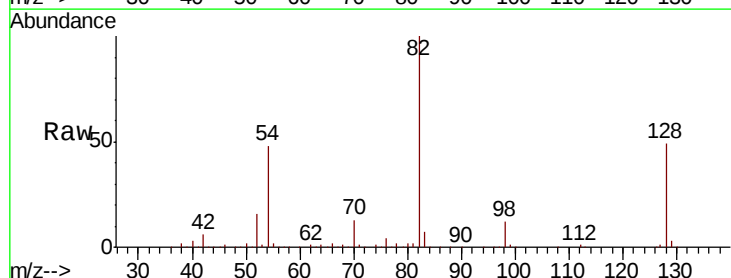
Tgt Ion: 82 Resp: 627798

Ion Ratio Lower Upper

82 100

128 48.6 38.2 57.4

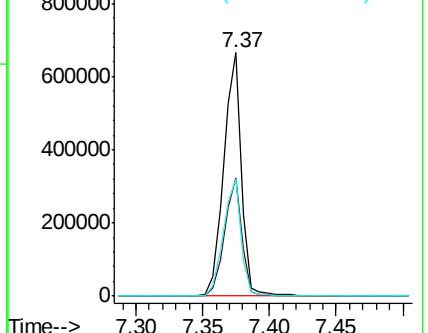
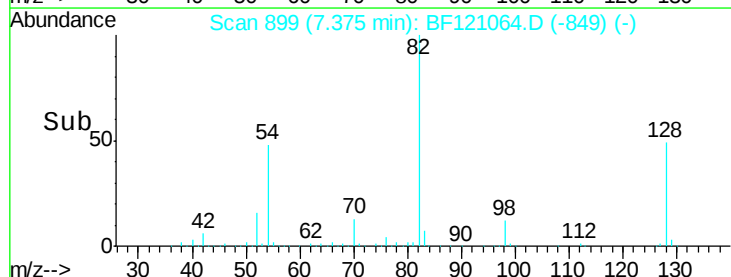
54 48.1 38.7 58.1



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: 32.599 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF121064.D

Acq: 28 Jul 2020 12:19

Instrument :

BNA_F

ClientSampleId :

CTR-005

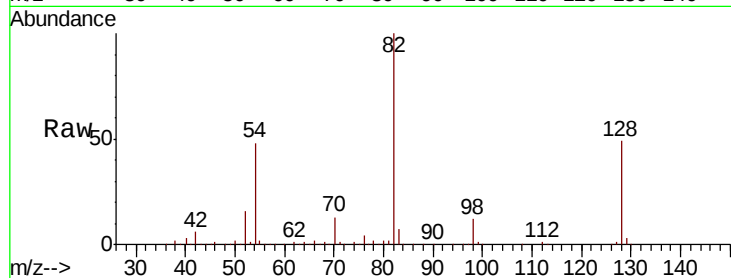
Tot Ion: 82 Resp: 627788

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

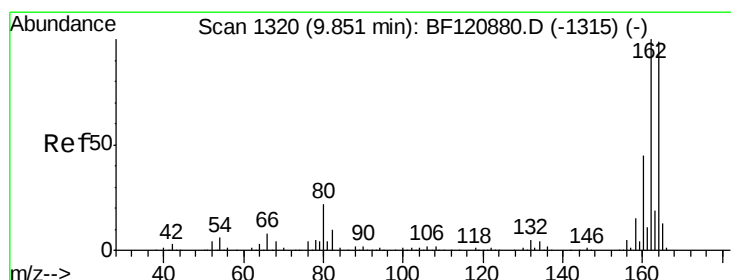
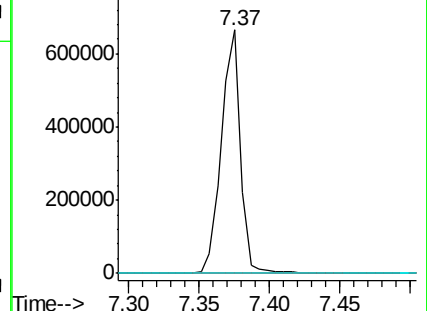
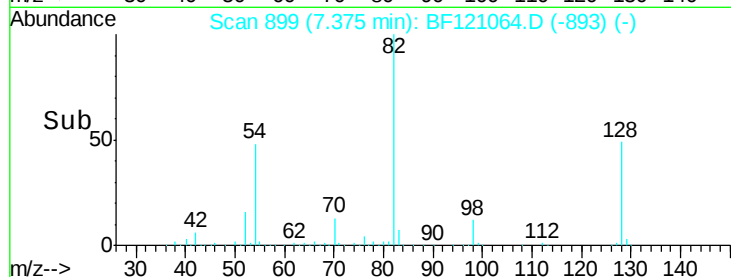
138 0.0 15.6 23.4#



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: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF121064.D

Acq: 28 Jul 2020 12:19

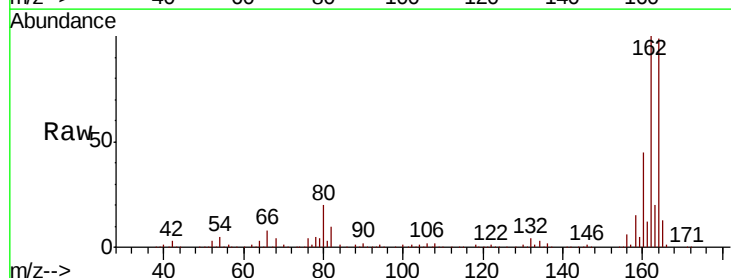
Tgt Ion: 164 Resp: 306072

Ion Ratio Lower Upper

164 100

162 101.0 81.2 121.8

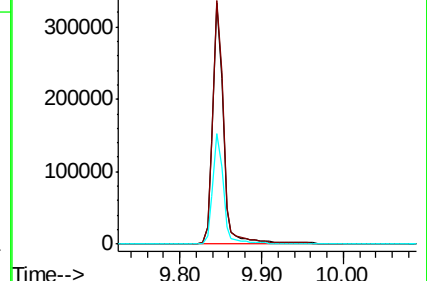
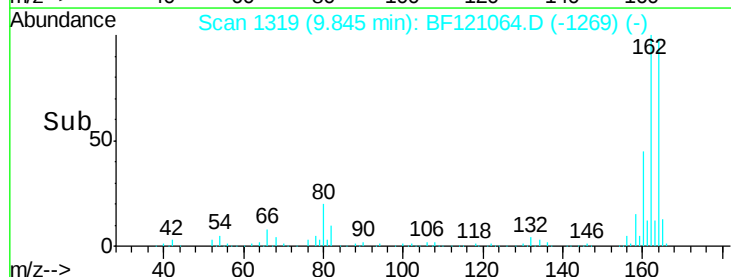
160 46.0 36.9 55.3

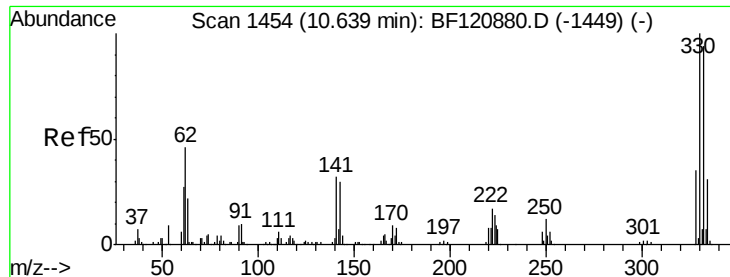


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 101.931 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF121064.D

Acq: 28 Jul 2020 12:19

Instrument :

BNA_F

ClientSampleId :

CTR-005

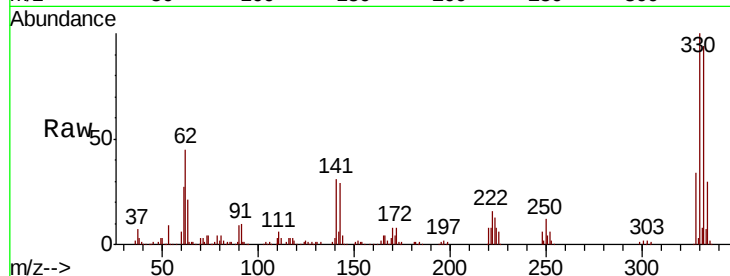
Tot Ion:330 Resp: 341496

Ion Ratio Lower Upper

330 100

332 94.6 75.5 113.3

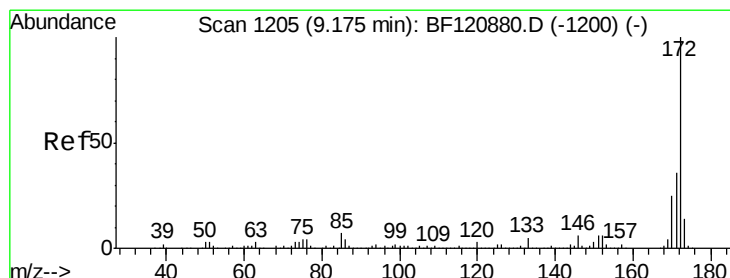
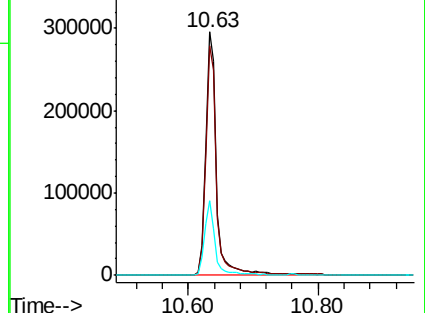
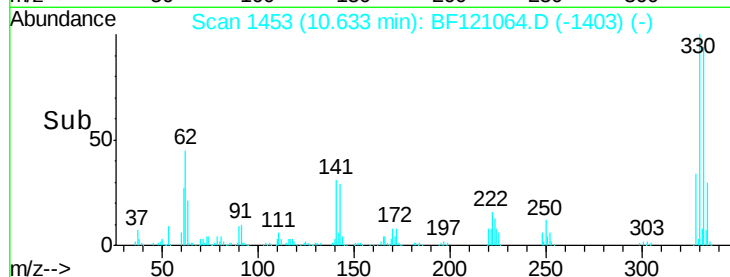
141 30.0 25.7 38.5



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: 62.479 ng

RT: 9.17 min Scan# 1204

Delta R.T. -0.01 min

Lab File: BF121064.D

Acq: 28 Jul 2020 12:19

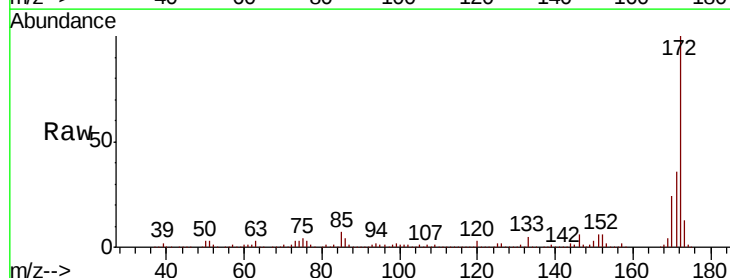
Tgt Ion:172 Resp: 1280819

Ion Ratio Lower Upper

172 100

171 35.8 29.0 43.4

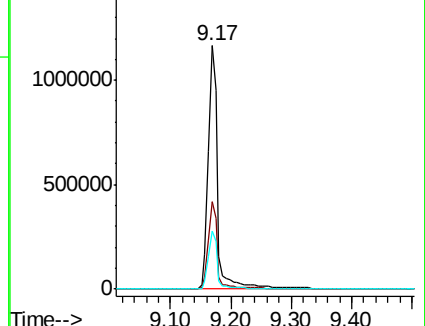
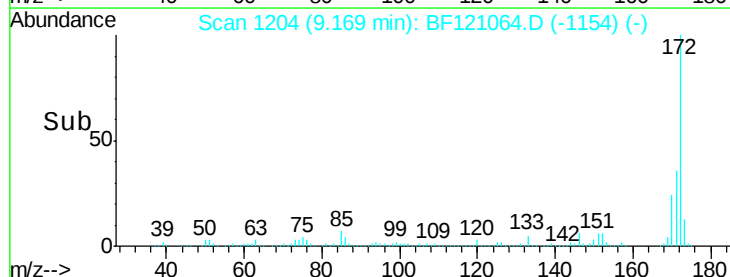
170 24.0 19.6 29.4



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

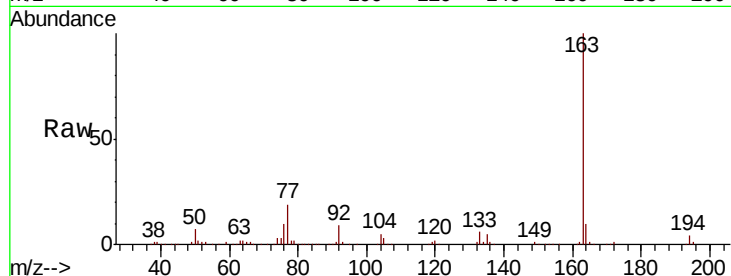




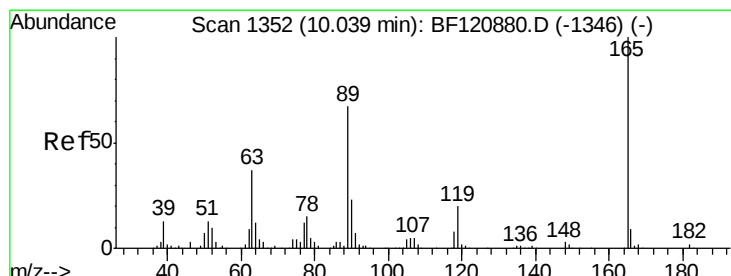
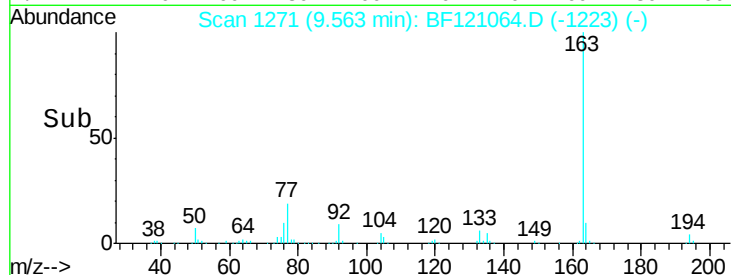
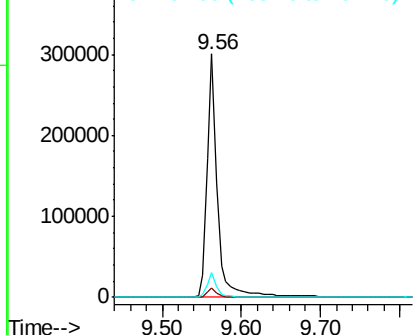
#50
Dimethylphthalate
Concen: 12.574 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.02 min
Lab File: BF121064.D
Acq: 28 Jul 2020 12:19

Instrument :
BNA_F
ClientSampleId :
CTR-005

Tot Ion:163 Resp: 277643
Ion Ratio Lower Upper
163 100
194 3.6 3.2 4.8
164 10.2 7.9 11.9

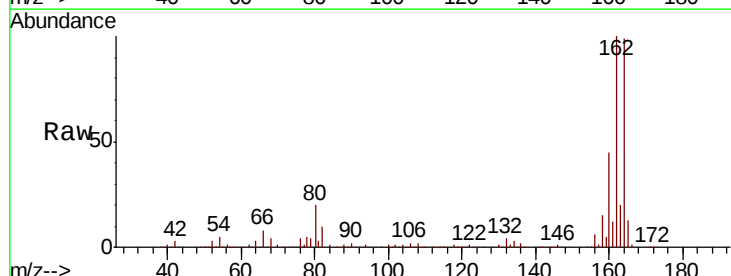


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

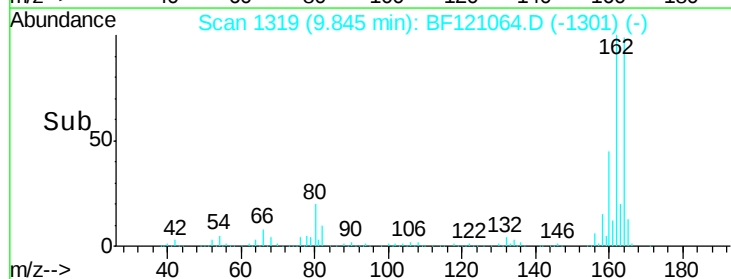
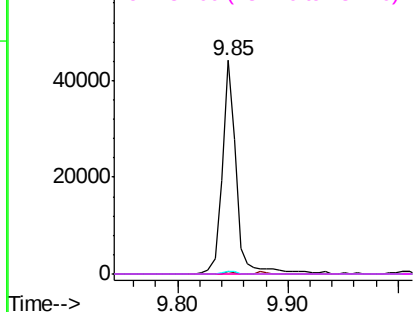


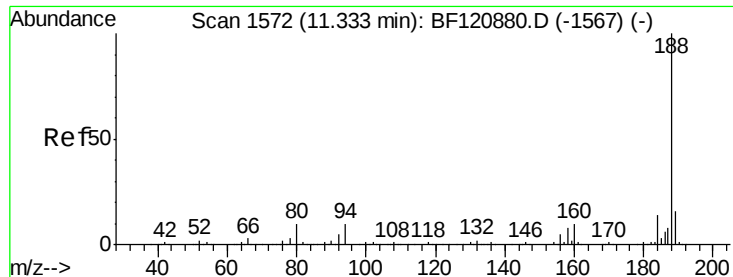
#57
2,4-Dinitrotoluene
Concen: 6.349 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.19 min
Lab File: BF121064.D
Acq: 28 Jul 2020 12:19

Tgt Ion:165 Resp: 39556
Ion Ratio Lower Upper
165 100
63 1.2 29.4 44.2#
89 1.3 53.4 80.0#
182 0.0 1.8 2.6#



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: 11.33 min Scan# 1571

Delta R.T. -0.01 min

Lab File: BF121064.D

Acq: 28 Jul 2020 12:19

Instrument :

BNA_F

ClientSampleId :

CTR-005

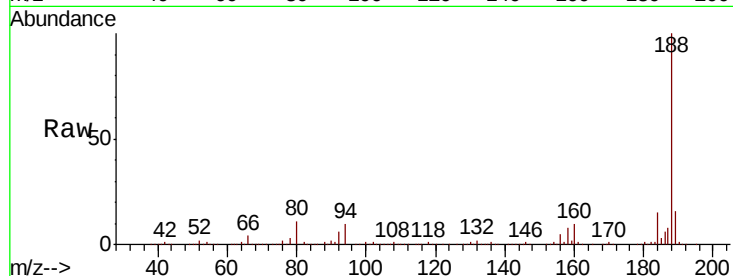
Tot Ion:188 Resp: 596011

Ion Ratio Lower Upper

188 100

94 10.0 8.0 12.0

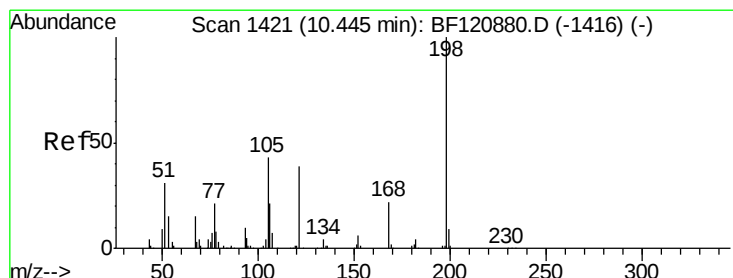
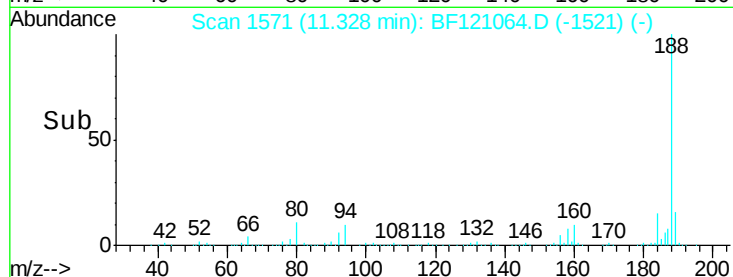
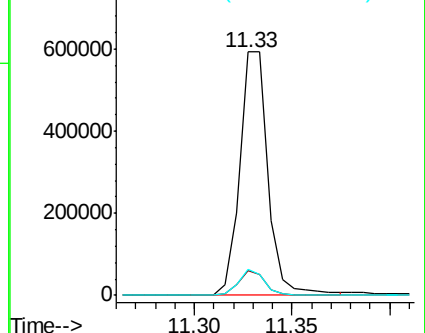
80 10.8 8.3 12.5



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



#65

4,6-Dinitro-2-methylphenol

Concen: 3.995 ng

RT: 10.63 min Scan# 1453

Delta R.T. 0.19 min

Lab File: BF121064.D

Acq: 28 Jul 2020 12:19

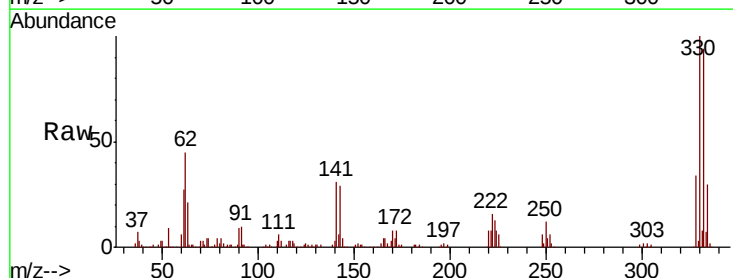
Tgt Ion:198 Resp: 572

Ion Ratio Lower Upper

198 100

51 165.0 19.5 59.5#

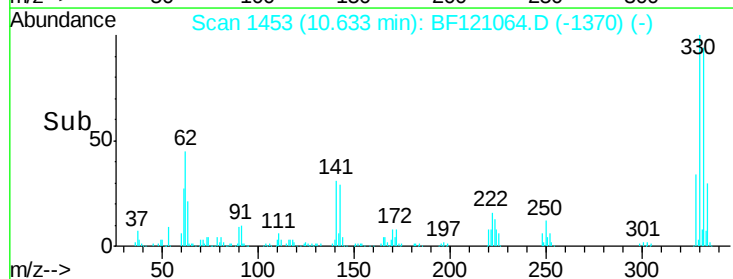
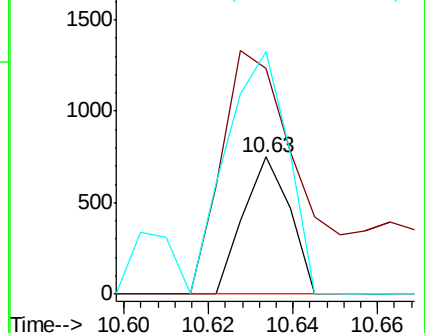
105 176.8 24.4 64.4#

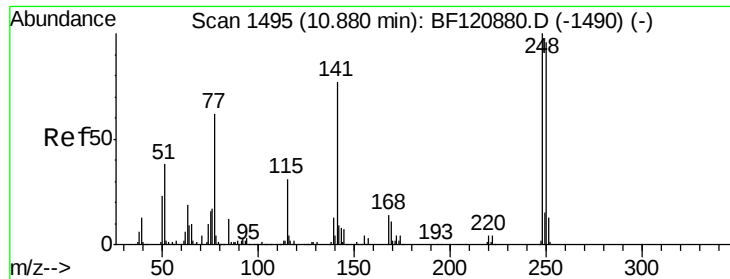


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

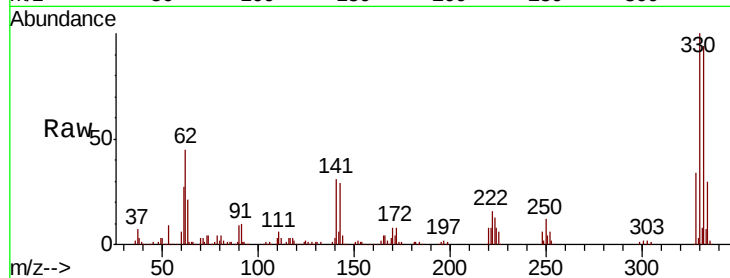




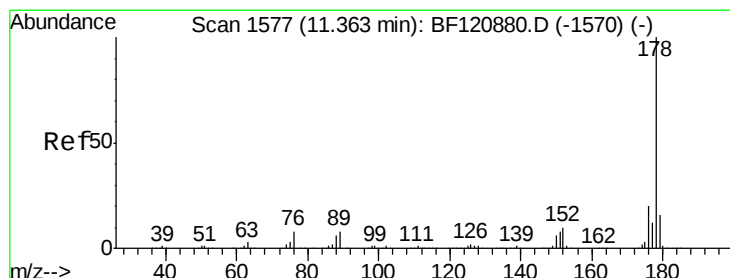
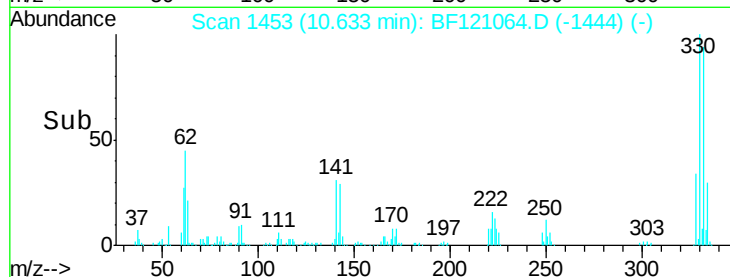
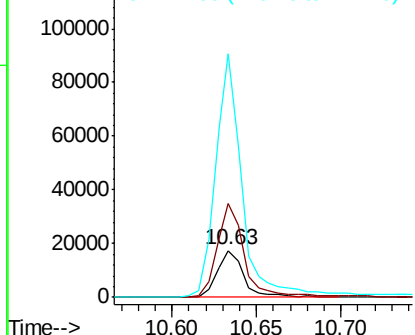
#67
 4-Bromophenyl-phenylether
 Concen: 2.847 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.25 min
 Lab File: BF121064.D
 Acq: 28 Jul 2020 12:19

Instrument :
 BNA_F
 ClientSampleId :
 CTR-005

Tot Ion:248 Resp: 18919
 Ion Ratio Lower Upper
 248 100
 250 201.0 77.1 115.7#
 141 521.5 61.2 91.8#

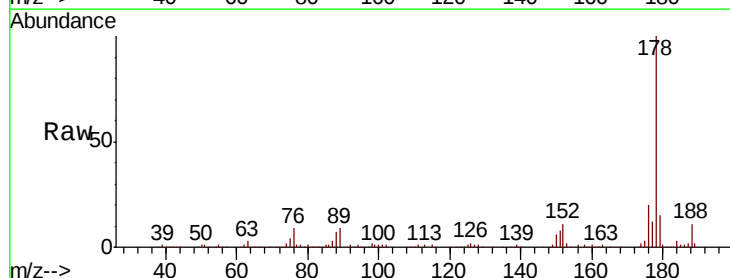


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

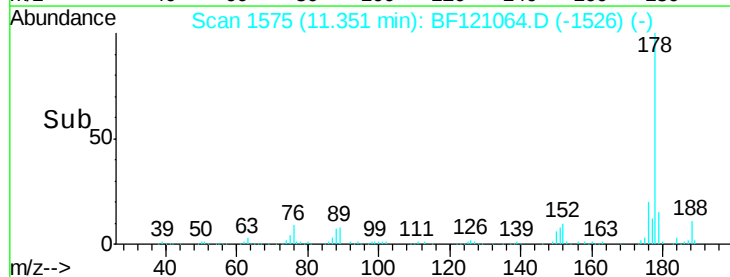
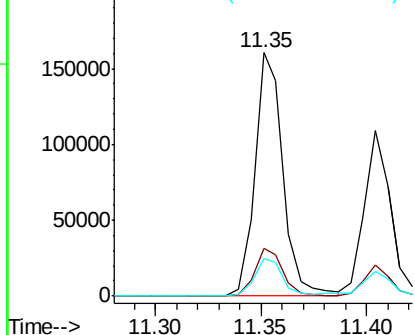


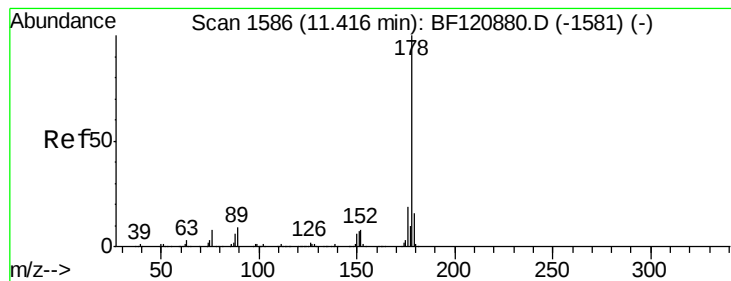
#71
 Phenanthrene
 Concen: 4.845 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. -0.01 min
 Lab File: BF121064.D
 Acq: 28 Jul 2020 12:19

Tgt Ion:178 Resp: 148521
 Ion Ratio Lower Upper
 178 100
 176 19.5 16.2 24.4
 179 15.3 12.8 19.2



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: 3.084 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF121064.D

Acq: 28 Jul 2020 12:19

Instrument :

BNA_F

ClientSampleId :

CTR-005

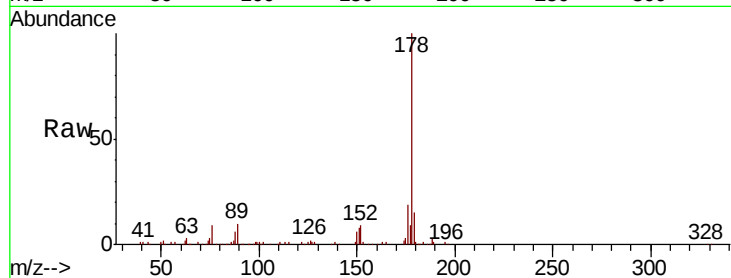
Tot Ion:178 Resp: 94940

Ion Ratio Lower Upper

178 100

176 18.9 15.5 23.3

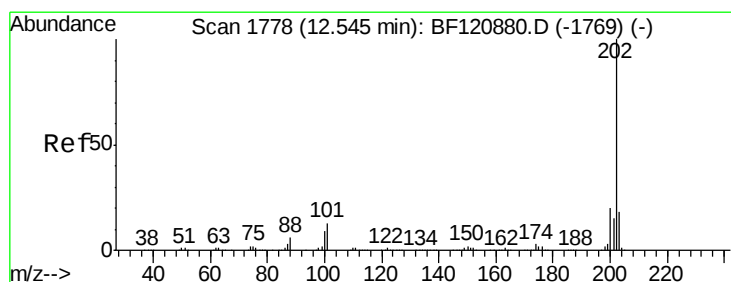
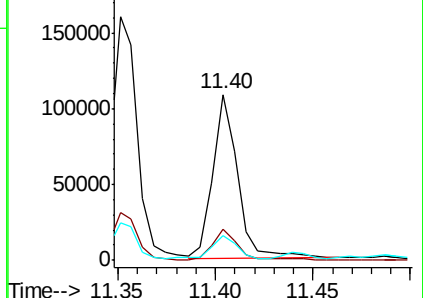
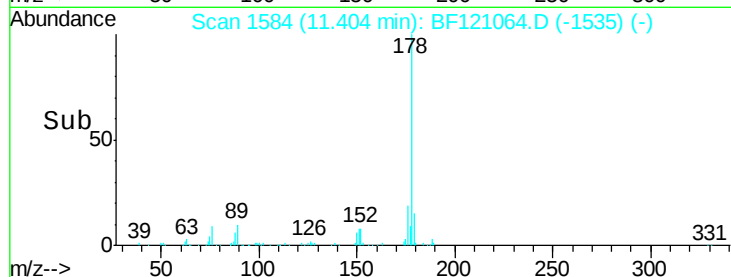
179 15.0 12.8 19.2



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: 13.319 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.01 min

Lab File: BF121064.D

Acq: 28 Jul 2020 12:19

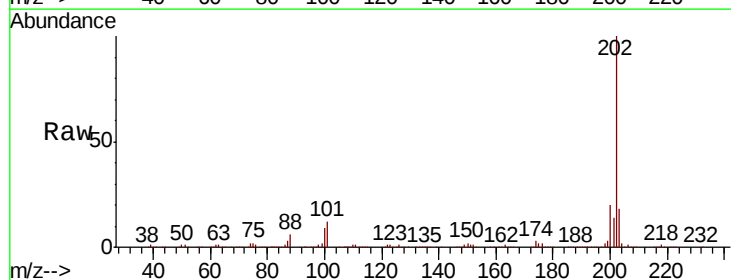
Tgt Ion:202 Resp: 452547

Ion Ratio Lower Upper

202 100

101 12.4 0.0 32.7

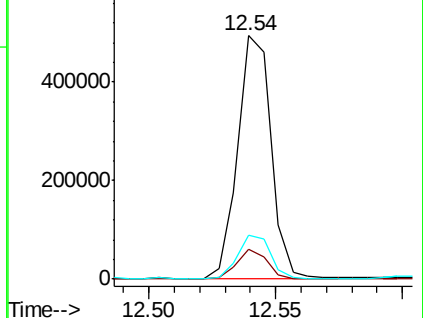
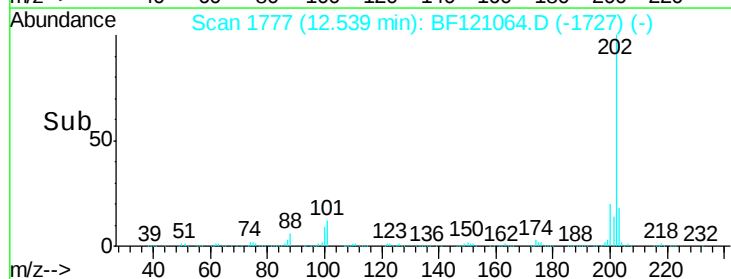
203 17.8 0.0 38.0

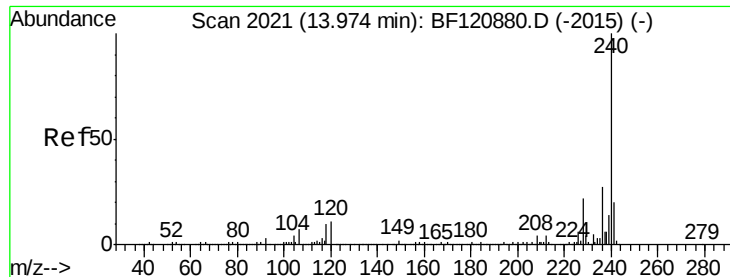


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF121064.D

Acq: 28 Jul 2020 12:19

Instrument :

BNA_F

ClientSampleId :

CTR-005

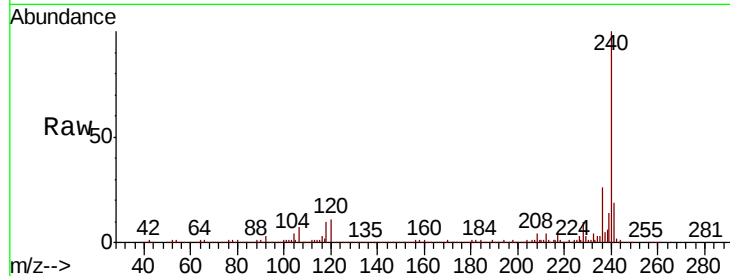
Tot Ion:240 Resp: 525030

Ion Ratio Lower Upper

240 100

120 11.0 9.0 13.4

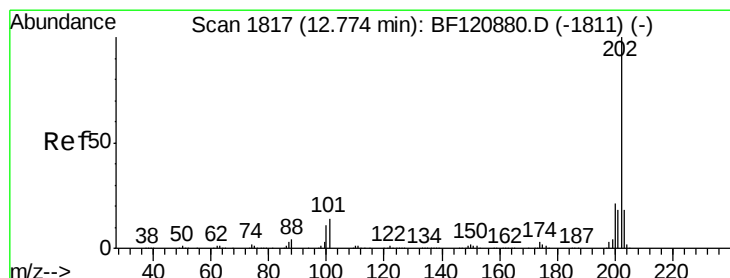
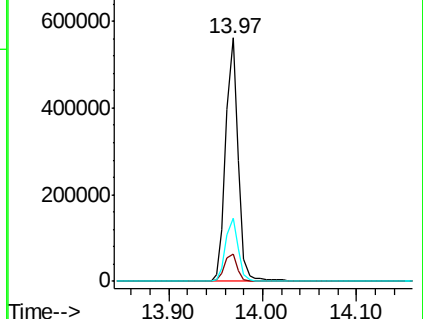
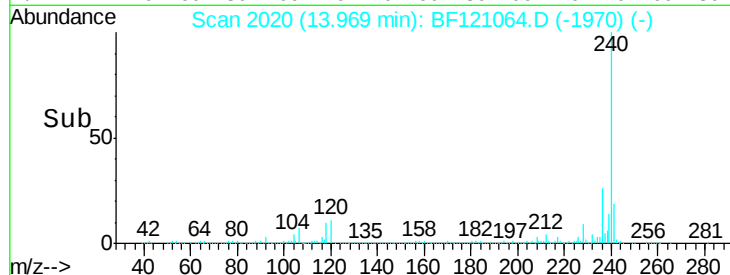
236 26.2 21.7 32.5



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: 12.466 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BF121064.D

Acq: 28 Jul 2020 12:19

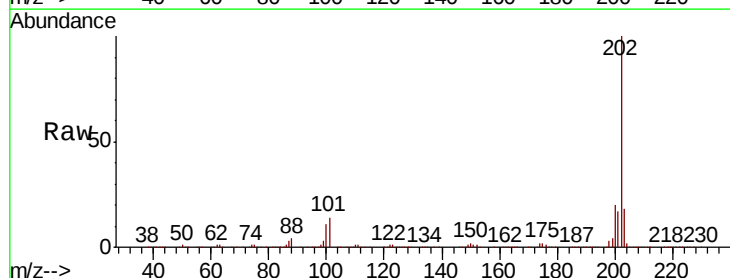
Tgt Ion:202 Resp: 462737

Ion Ratio Lower Upper

202 100

200 20.4 17.0 25.4

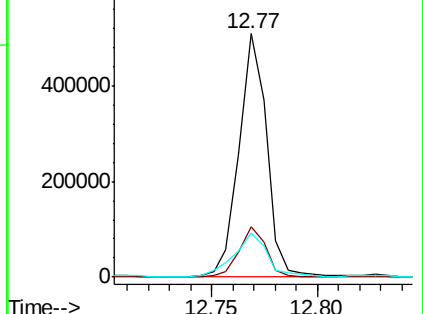
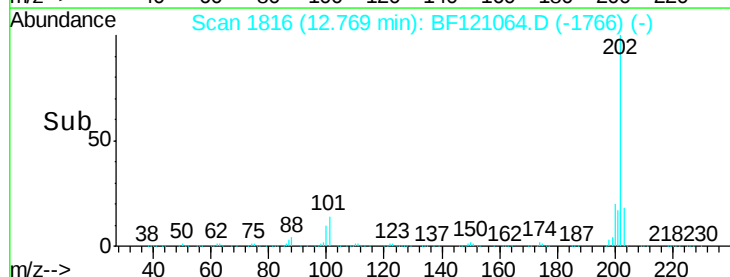
203 18.3 14.4 21.6

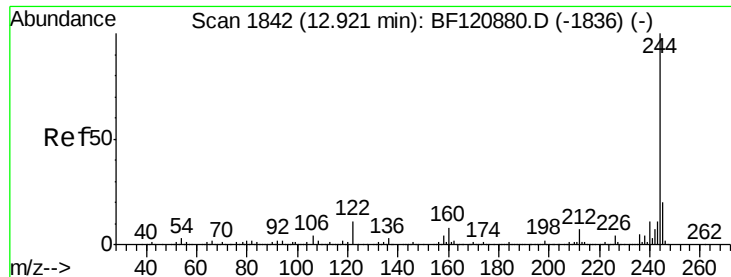


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

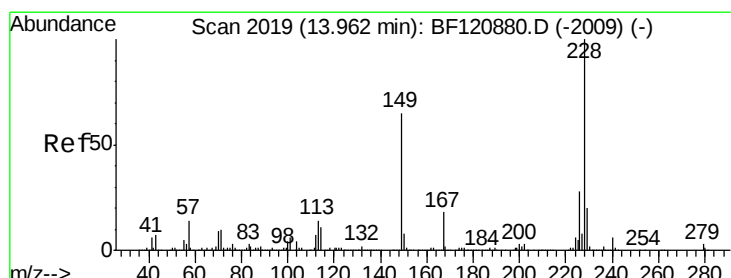
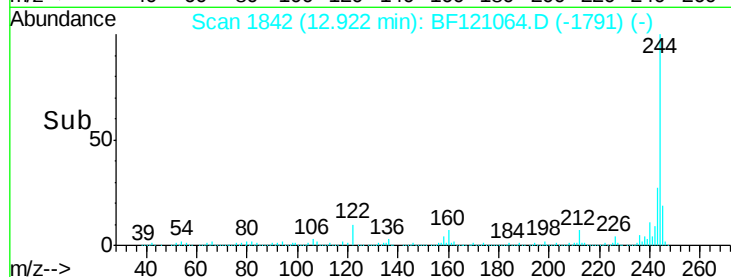
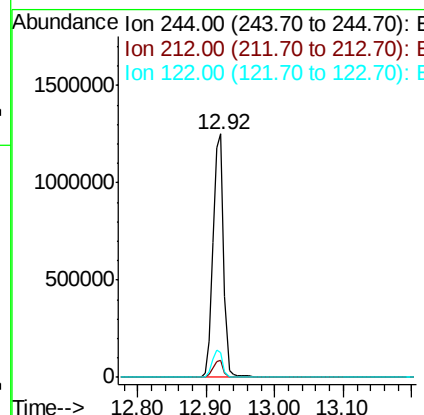
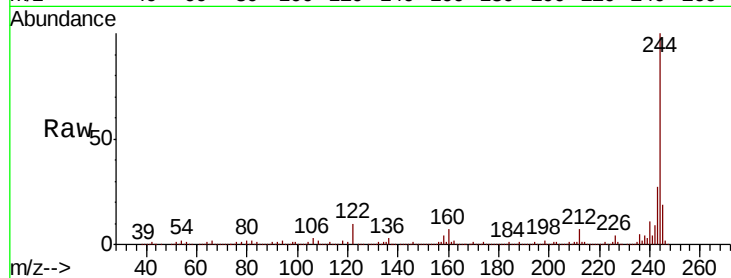




#79
 Terphenyl-d14
 Concen: 56.742 ng
 RT: 12.92 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: BF121064.D
 Acq: 28 Jul 2020 12:19

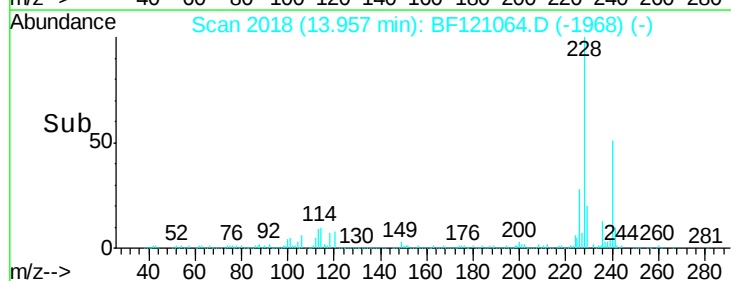
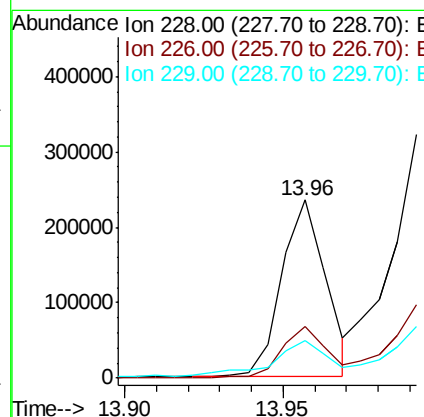
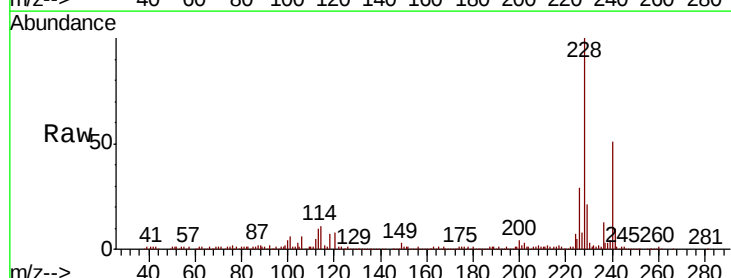
Instrument :
 BNA_F
 ClientSampleId :
 CTR-005

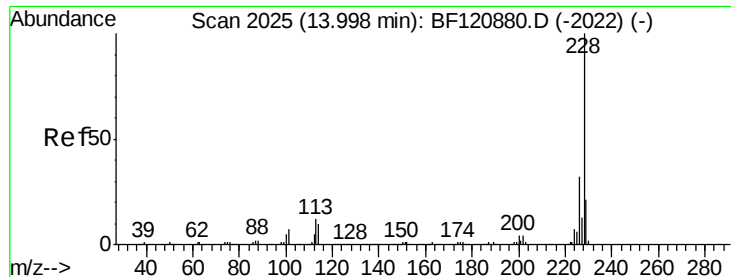
Tot Ion:244 Resp: 1370468
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.6 8.4
 122 10.3 8.9 13.3



#81
 Benzo(a)anthracene
 Concen: 7.196 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. -0.01 min
 Lab File: BF121064.D
 Acq: 28 Jul 2020 12:19

Tgt Ion:228 Resp: 228798
 Ion Ratio Lower Upper
 228 100
 226 29.0 22.3 33.5
 229 21.3 16.1 24.1





#83

Chrysene

Concen: 9.810 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF121064.D

Acq: 28 Jul 2020 12:19

Instrument :

BNA_F

ClientSampleId :

CTR-005

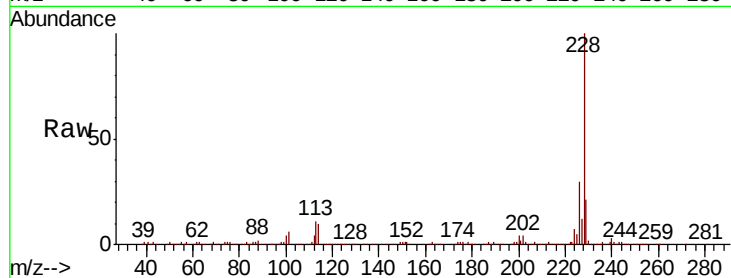
Tot Ion:228 Resp: 327774

Ion Ratio Lower Upper

228 100

226 30.1 25.6 38.4

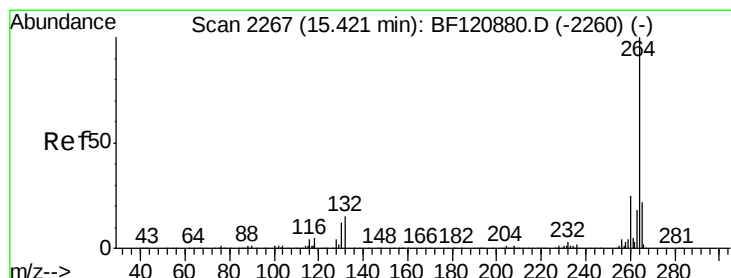
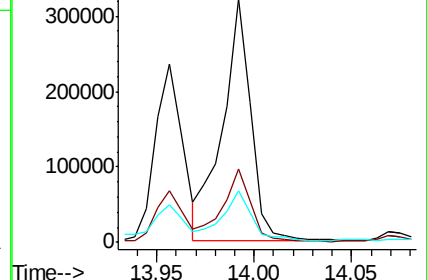
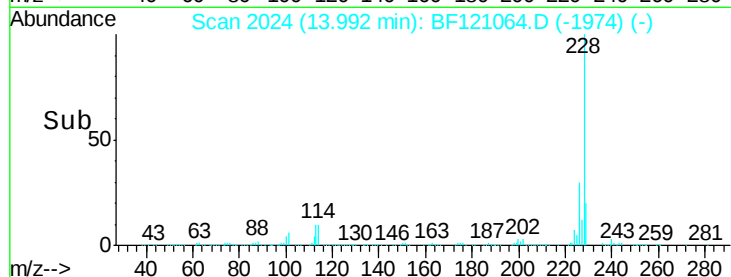
229 21.4 16.8 25.2



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

Perylene-d12

Concen: 20.000 ng

RT: 15.42 min Scan# 2266

Delta R.T. -0.01 min

Lab File: BF121064.D

Acq: 28 Jul 2020 12:19

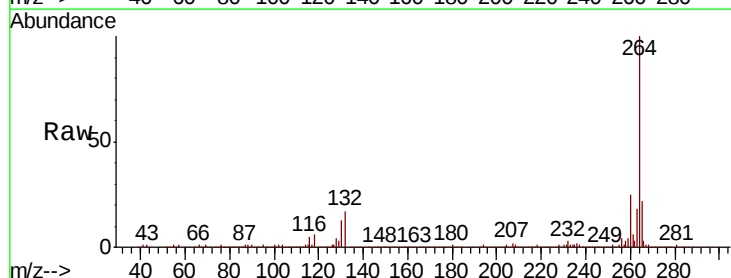
Tgt Ion:264 Resp: 459564

Ion Ratio Lower Upper

264 100

260 25.1 20.0 30.0

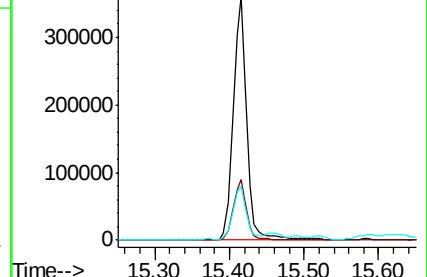
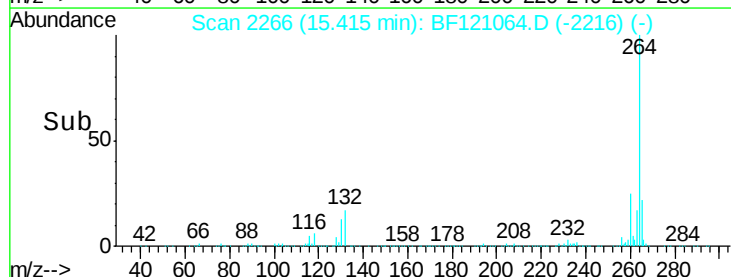
265 22.2 17.4 26.2

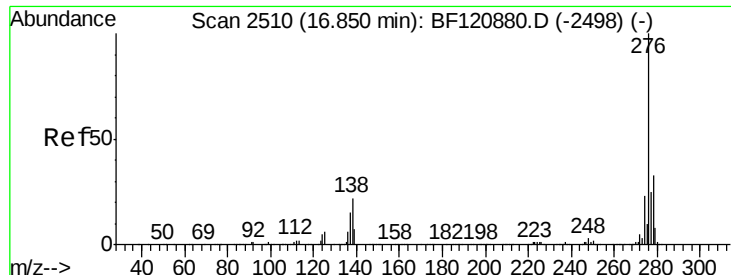


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

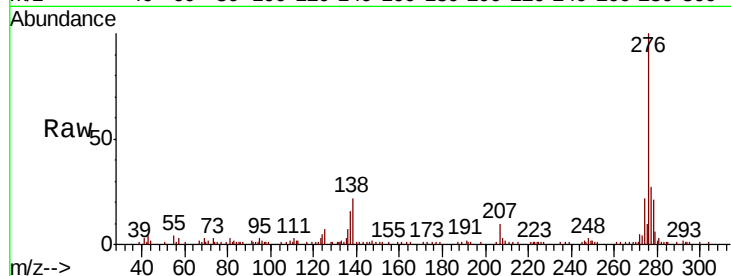




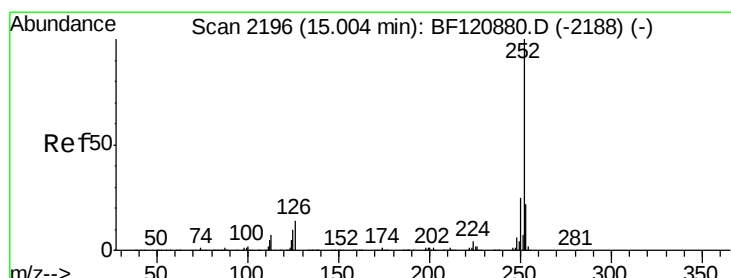
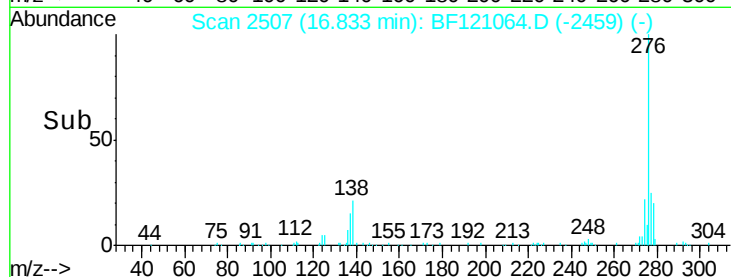
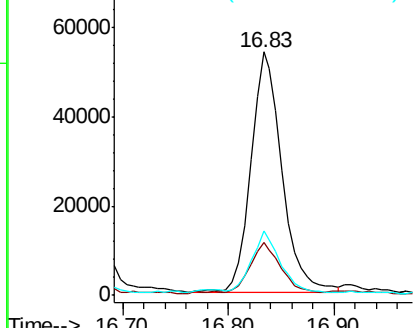
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.465 ng
 RT: 16.83 min Scan# 2507
 Delta R.T. -0.02 min
 Lab File: BF121064.D
 Acq: 28 Jul 2020 12:19

Instrument :
 BNA_F
 ClientSampleId :
 CTR-005

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.0	19.8	29.8
277	23.8	20.2	30.2

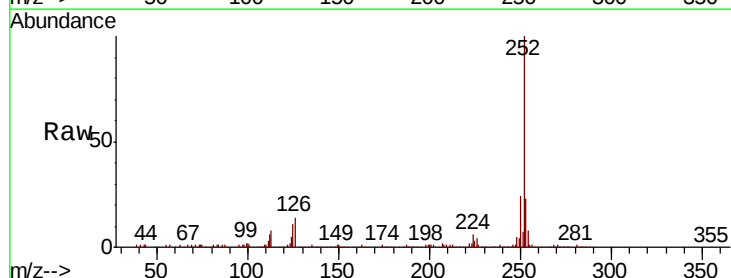


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

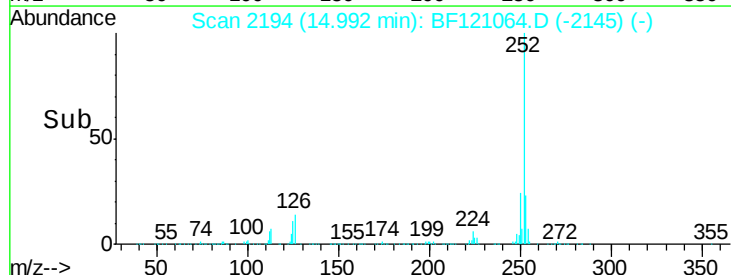
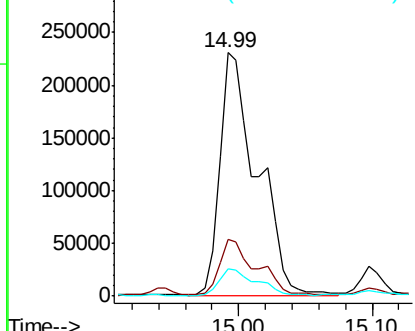


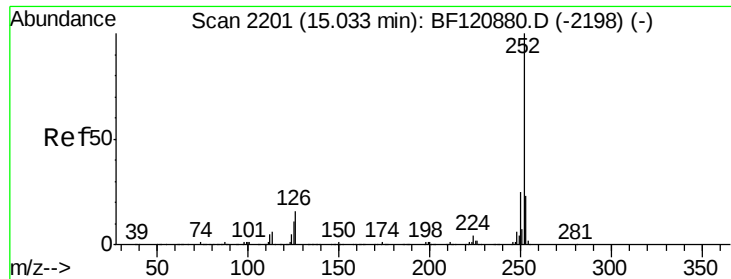
#88
 Benzo(b)fluoranthene
 Concen: 16.114 ng
 RT: 14.99 min Scan# 2194
 Delta R.T. -0.01 min
 Lab File: BF121064.D
 Acq: 28 Jul 2020 12:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	11.3	8.3	12.5



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

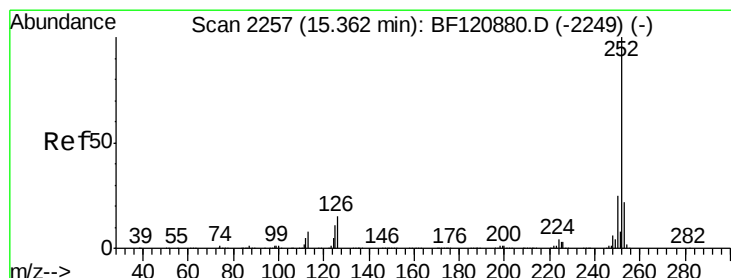
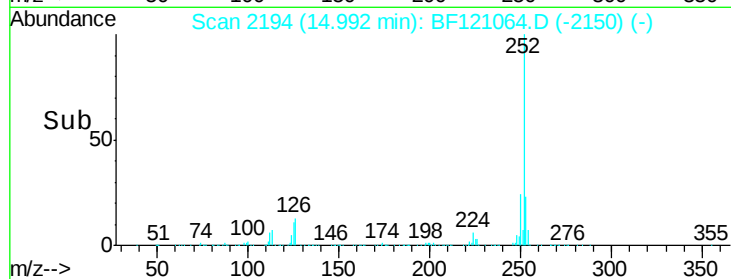
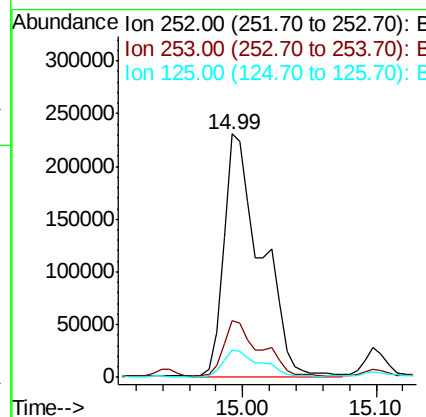
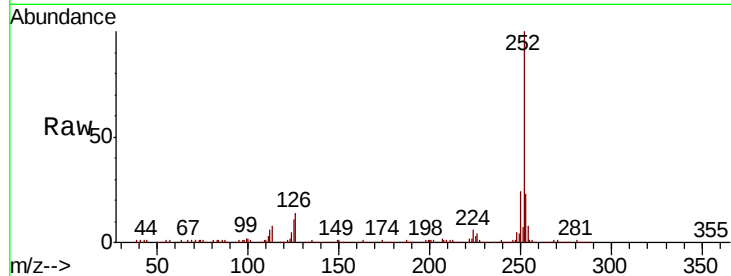




#89
Benzo(k)fluoranthene
Concen: 17.668 ng
RT: 14.99 min Scan# 2194
Delta R.T. -0.04 min
Lab File: BF121064.D
Acq: 28 Jul 2020 12:19

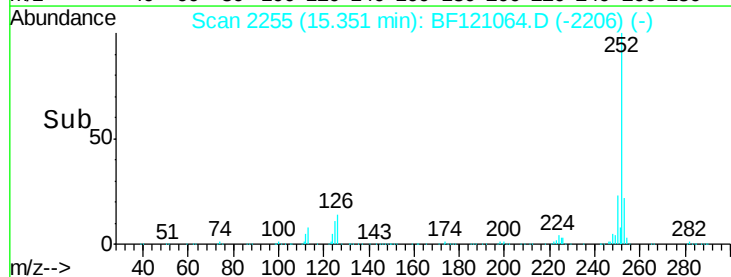
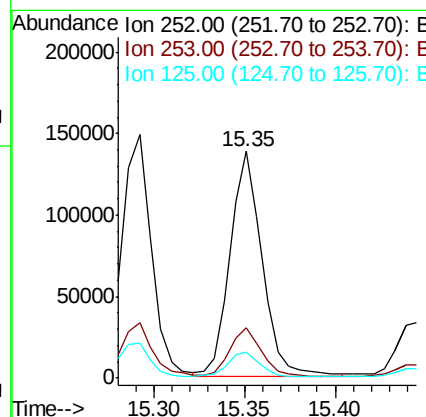
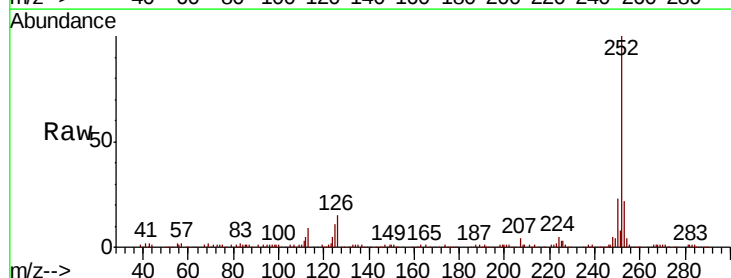
Instrument :
BNA_F
ClientSampleId :
CTR-005

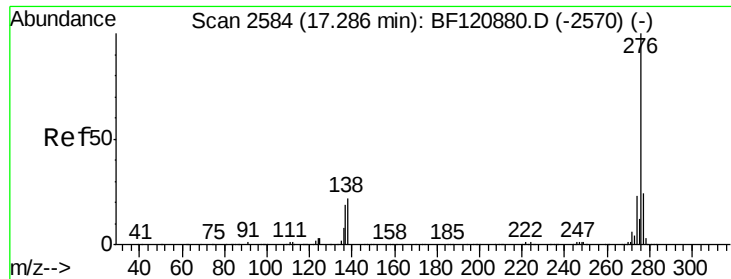
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.2	27.2
125	11.3	8.4	12.6



#90
Benzo(a)pyrene
Concen: 6.685 ng
RT: 15.35 min Scan# 2255
Delta R.T. -0.01 min
Lab File: BF121064.D
Acq: 28 Jul 2020 12:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	11.5	8.9	13.3

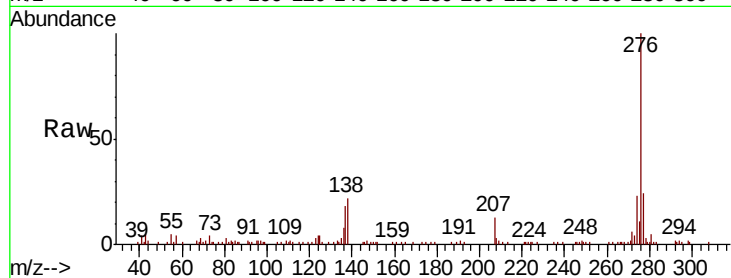




#92
 Benzo(a,h,i)perylene
 Concen: 4.003 ng
 RT: 17.26 min Scan# 2580
 Delta R.T. -0.02 min
 Lab File: BF121064.D
 Acq: 28 Jul 2020 12:19

Instrument :
 BNA_F
 ClientSampleId :
 CTR-005

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.8	28.2
138	21.7	17.5	26.3



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

