

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN042820\
 Data File : BN010630.D
 Acq On : 28 Apr 2020 18:48
 Operator : CG/JU
 Sample : L2385-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 OUTFALL001-200421

Quant Time: Apr 28 19:29:40 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN041320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 28 11:13:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	3384	0.40	ng	0.00
7) Naphthalene-d8	10.34	136	14056	0.40	ng	0.00
13) Acenaphthene-d10	14.21	164	8908	0.40	ng	0.00
19) Phenanthrene-d10	16.96	188	19898	0.40	ng	0.00
27) Chrysene-d12	21.16	240	16129	0.40	ng	0.00
34) Perylene-d12	23.33	264	14788	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.23	112	1130	0.15	ng	0.00
5) Phenol-d6	6.78	99	897	0.09	ng	0.00
8) Nitrobenzene-d5	8.72	82	3447	0.35	ng	0.00
11) 2-Methylnaphthalene-d10	11.94	152	7420	0.32	ng	0.00
14) 2,4,6-Tribromophenol	15.72	330	1465	0.35	ng	0.00
15) 2-Fluorobiphenyl	12.83	172	12827	0.40	ng	0.00
25) Fluoranthene-d10	18.99	212	20687	0.34	ng	0.00
29) Terphenyl-d14	19.61	244	20965	0.57	ng	0.00

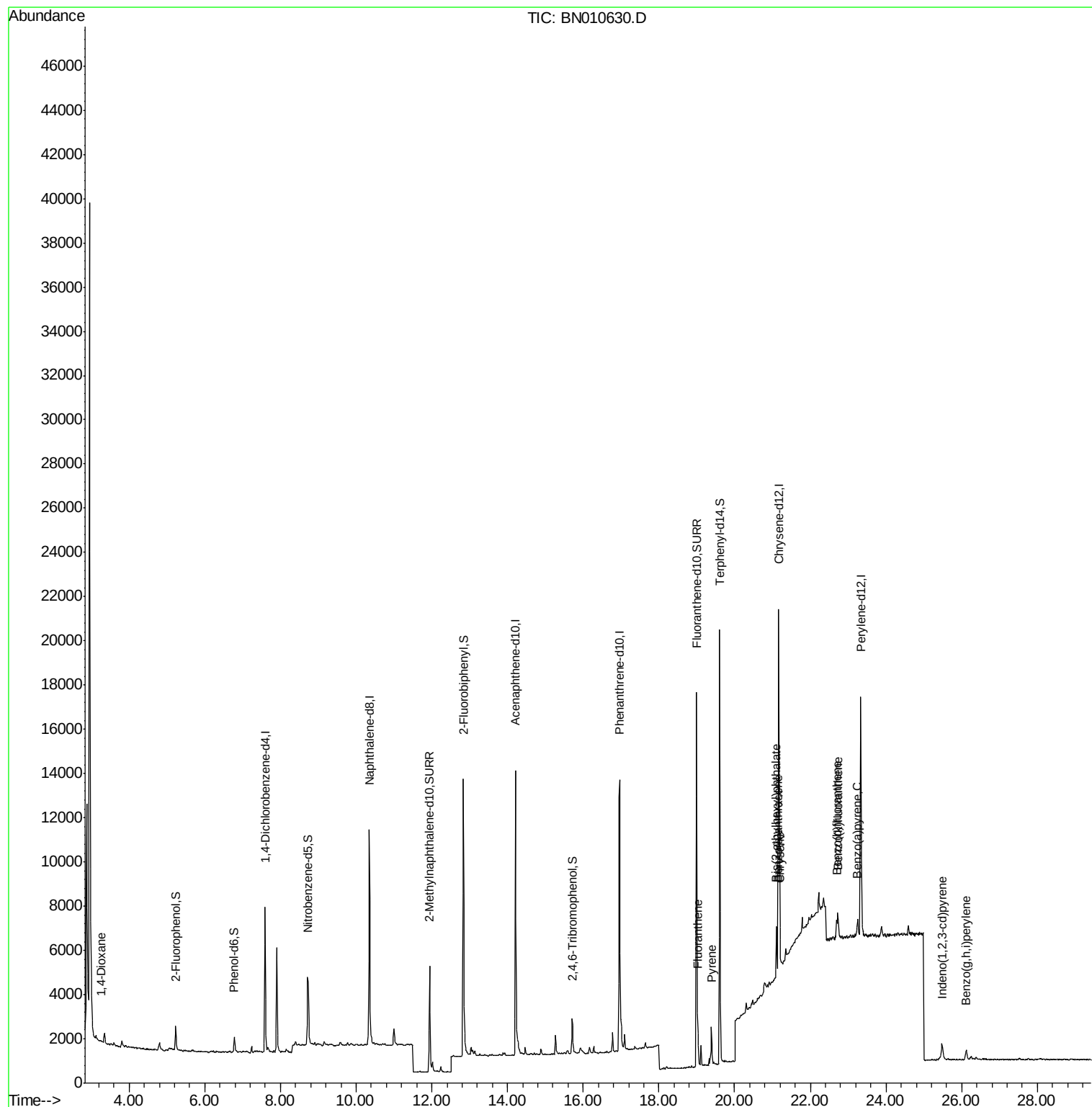
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.26	88	51	0.020	ng	# 29
26) Fluoranthene	19.03	202	1685	0.025	ng	95
28) Pyrene	19.39	202	1605	0.030	ng	98
30) Benzo(a)anthracene	21.14	228	1283	0.024	ng	# 80
31) Chrysene	21.20	228	1370	0.026	ng	# 84
32) Bis(2-ethylhexyl)phthalate	21.10	149	2054	0.076	ng	# 99
33) Indeno(1,2,3-cd)pyrene	25.48	276	943	0.020	ng	96
35) Benzo(b)fluoranthene	22.69	252	1107	0.023	ng	# 1
36) Benzo(k)fluoranthene	22.73	252	1093	0.022	ng	# 1
37) Benzo(a)pyrene	23.24	252	925	0.021	ng	# 1
39) Benzo(a,h,i)perylene	26.12	276	910	0.023	ng	# 38

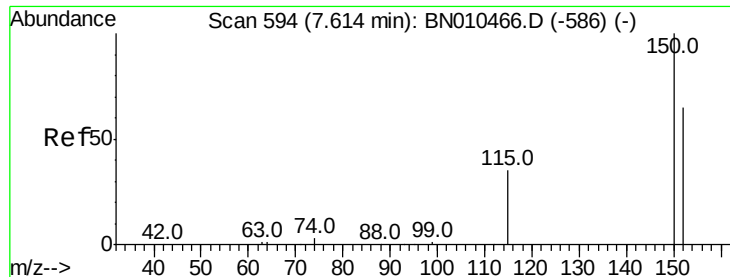
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.59 min Scan# 591

Delta R.T. -0.00 min

Lab File: BN010630.D

Acq: 28 Apr 2020 18:48

Instrument :

BNA_N

ClientSampleId :

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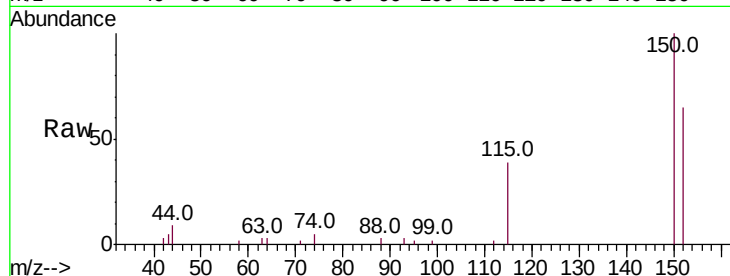
Tot Ion:152 Resp: 3384

Ion Ratio Lower Upper

152 100

150 152.9 121.8 182.6

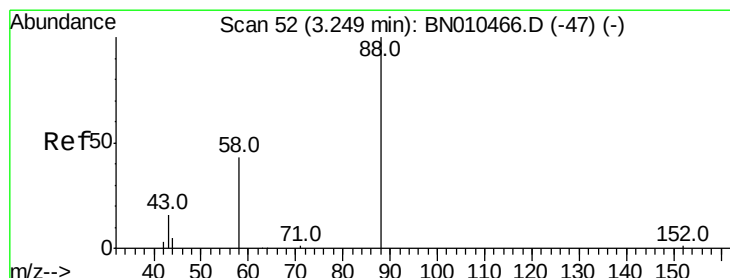
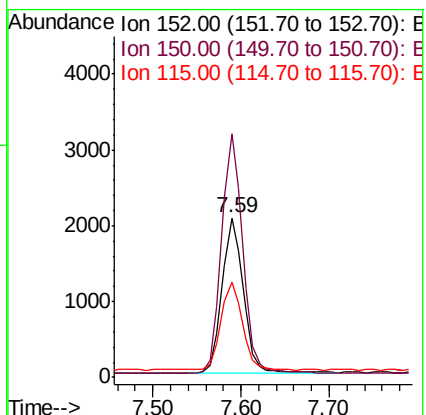
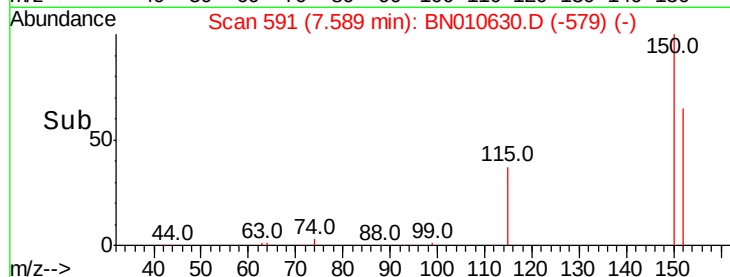
115 59.6 45.5 68.3



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



#2

1,4-Dioxane

Concen: 0.020 ng

RT: 3.26 min Scan# 53

Delta R.T. 0.02 min

Lab File: BN010630.D

Acq: 28 Apr 2020 18:48

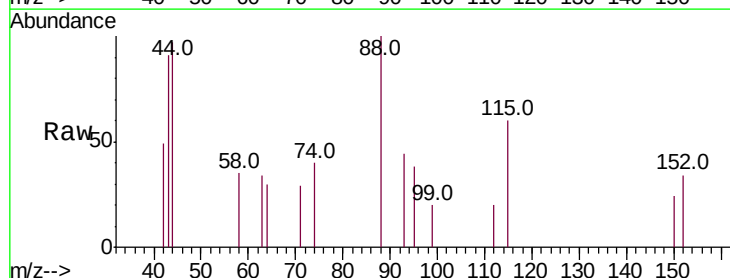
Tgt Ion: 88 Resp: 51

Ion Ratio Lower Upper

88 100

58 0.0 36.5 54.7#

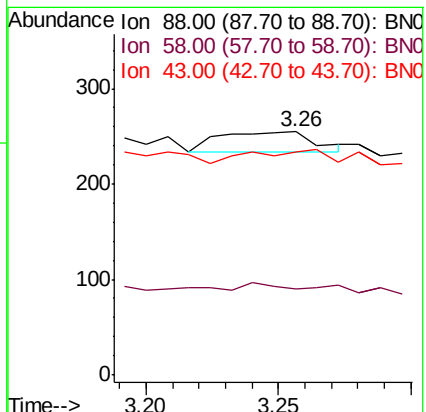
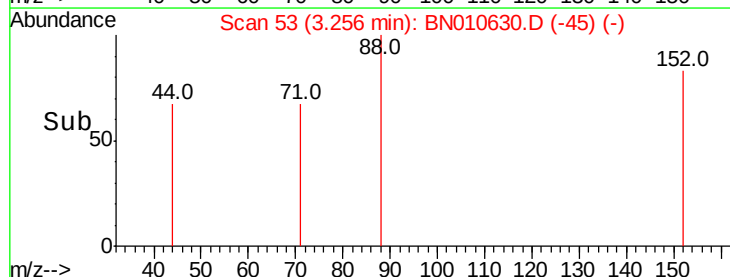
43 49.0 13.2 19.8#

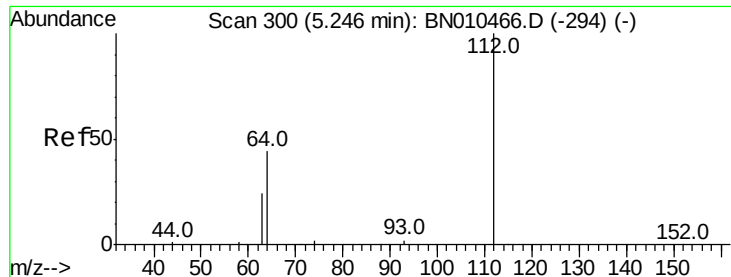


Abundance Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#4

2-Fluorophenol

Concen: 0.152 ng

RT: 5.23 min Scan# 298

Delta R.T. -0.00 min

Lab File: BN010630.D

Acq: 28 Apr 2020 18:48

Instrument :

BNA_N

ClientSampleId :

OUTFALL001-200421

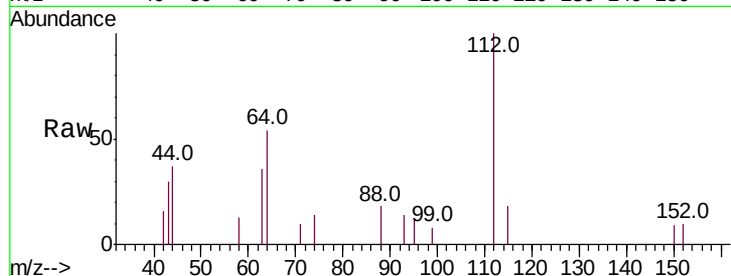
Tot Ion:112 Resp: 1130

Ion Ratio Lower Upper

112 100

64 47.5 35.8 53.8

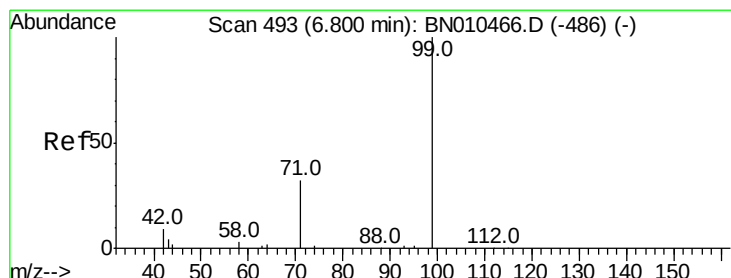
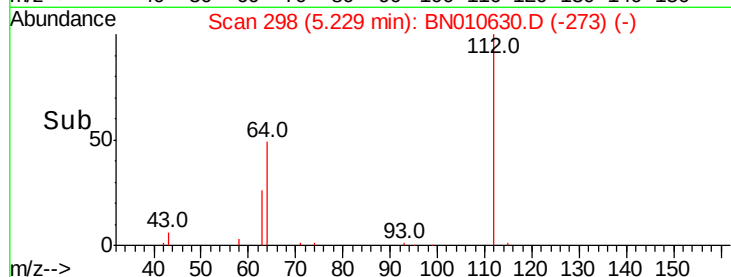
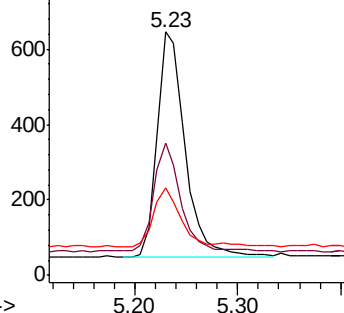
63 26.5 19.9 29.9



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BN0

Ion 63.00 (62.70 to 63.70): BN0



#5

Phenol-d6

Concen: 0.093 ng

RT: 6.78 min Scan# 491

Delta R.T. -0.00 min

Lab File: BN010630.D

Acq: 28 Apr 2020 18:48

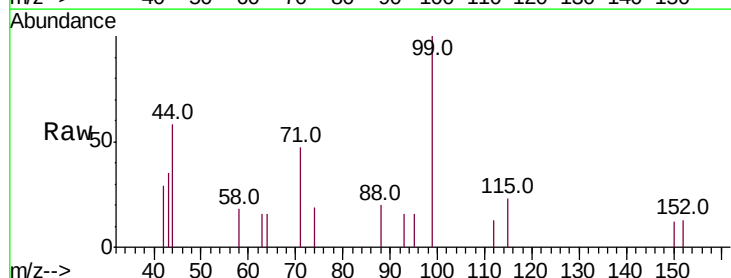
Tgt Ion: 99 Resp: 897

Ion Ratio Lower Upper

99 100

42 12.8 9.8 14.6

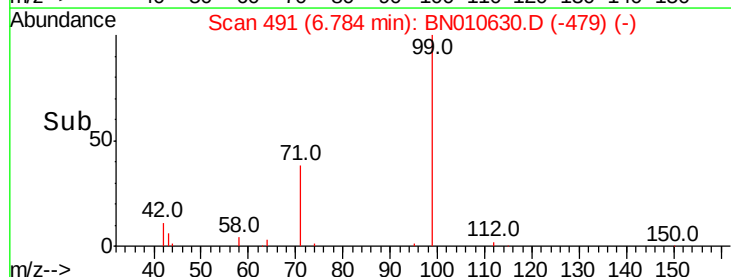
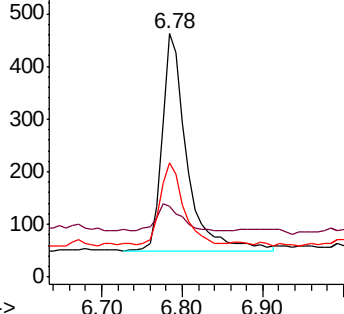
71 35.3 27.8 41.8

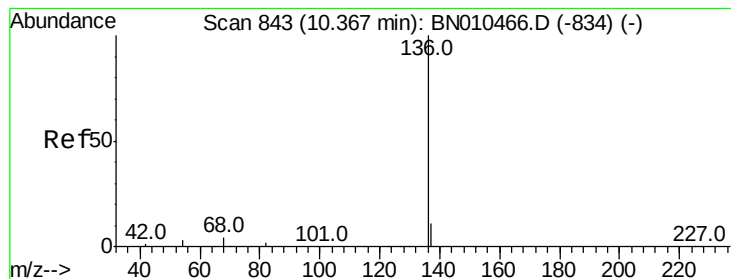


Abundance Ion 99.00 (98.70 to 99.70): BN0

Ion 42.00 (41.70 to 42.70): BN0

Ion 71.00 (70.70 to 71.70): BN0





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.34 min Scan# 841

Delta R.T. -0.00 min

Lab File: BN010630.D

Acq: 28 Apr 2020 18:48

Instrument :

BNA_N

ClientSampleId :

OUTFALL001-200421

Tot Ion:136 Resp: 14056

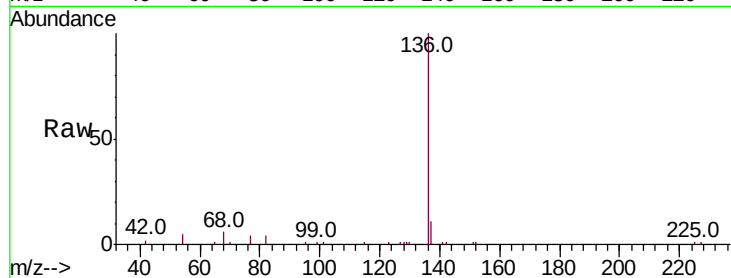
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 4.7 2.6 4.0#

68 5.7 3.4 5.2#

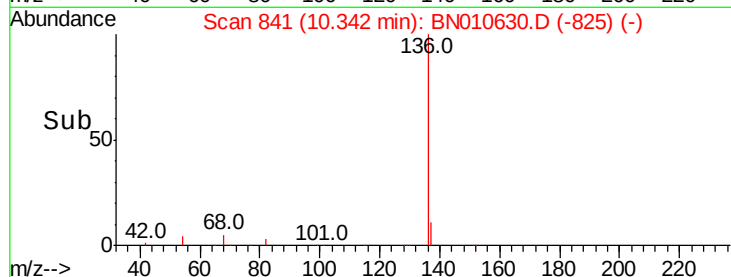


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

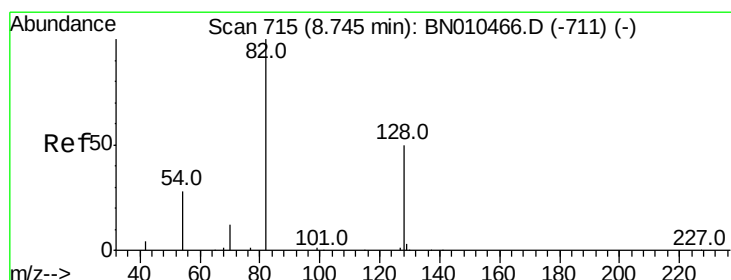
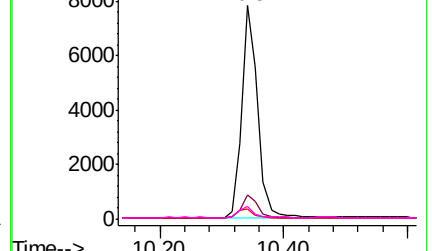
Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



Abundance

10.34



#8

Nitrobenzene-d5

Concen: 0.351 ng

RT: 8.72 min Scan# 713

Delta R.T. -0.00 min

Lab File: BN010630.D

Acq: 28 Apr 2020 18:48

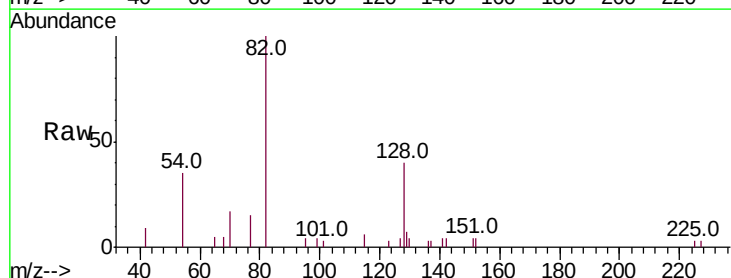
Tgt Ion: 82 Resp: 3447

Ion Ratio Lower Upper

82 100

128 39.9 41.3 61.9#

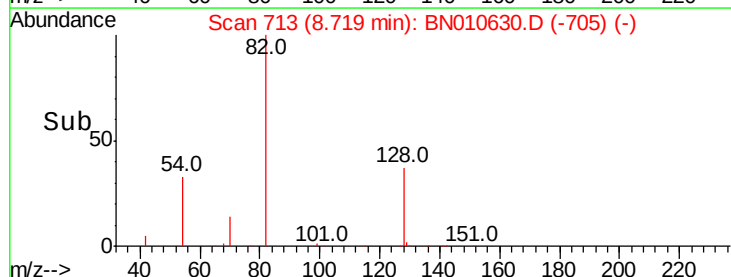
54 35.3 23.4 35.0#



Abundance Ion 82.00 (81.70 to 82.70): BNC

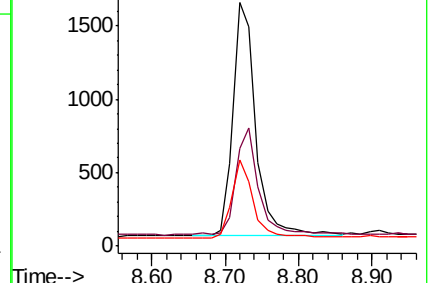
Ion 128.00 (127.70 to 128.70): E

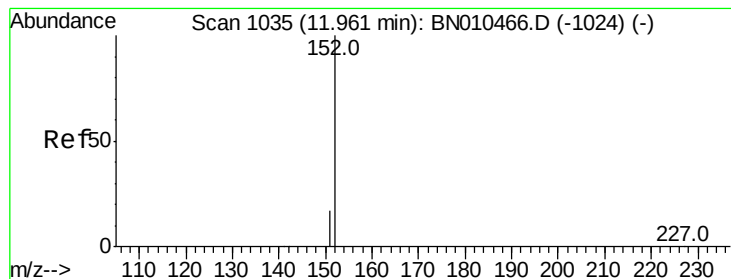
Ion 54.00 (53.70 to 54.70): BNC



Abundance

8.72

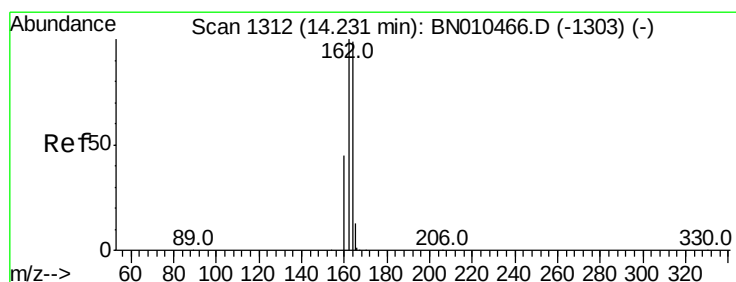
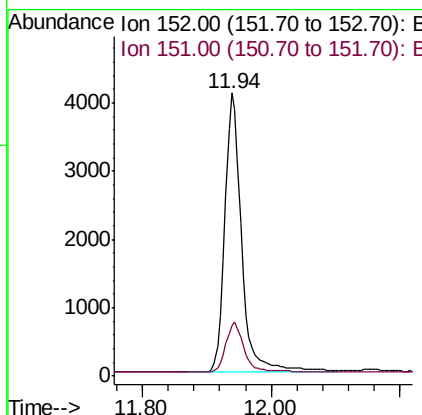
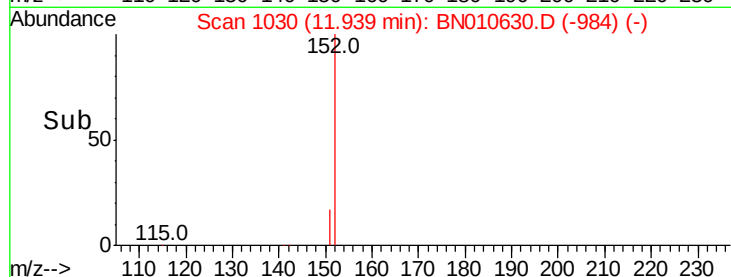
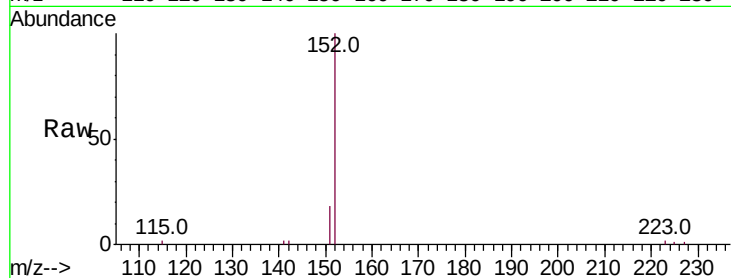




#11
2-Methylnaphthalene-d10
Concen: 0.321 ng
RT: 11.94 min Scan# 1030
Delta R.T. 0.00 min
Lab File: BN010630.D
Acq: 28 Apr 2020 18:48

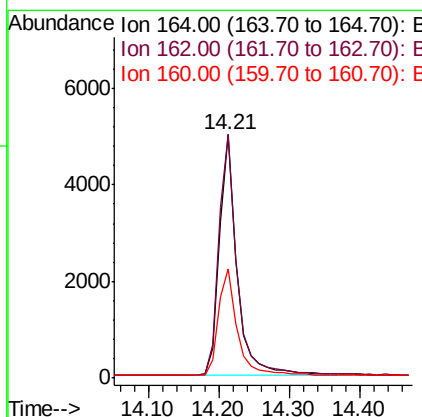
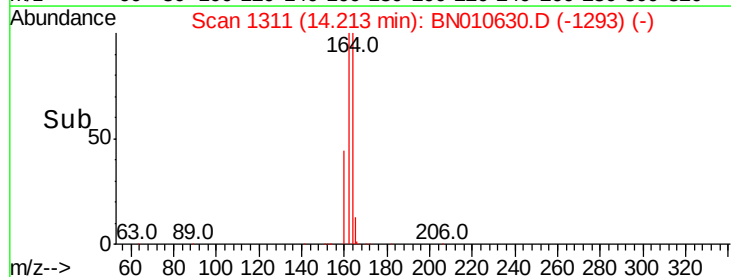
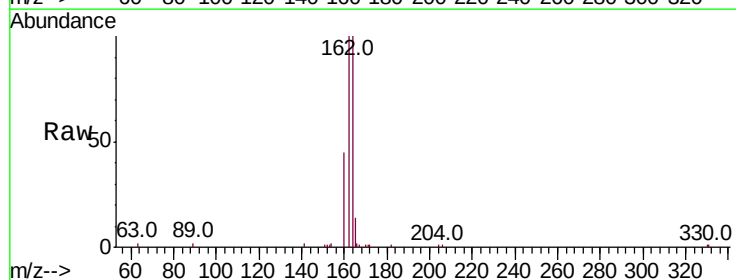
Instrument :
BNA_N
ClientSampleId :
OUTFALL001-200421

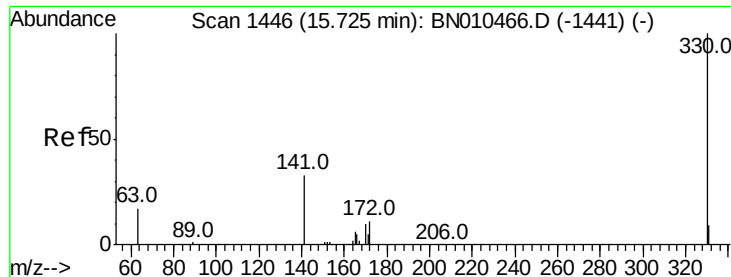
Tot Ion:152 Resp: 7420
Ion Ratio Lower Upper
152 100
151 18.9 15.3 22.9



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.21 min Scan# 1311
Delta R.T. 0.00 min
Lab File: BN010630.D
Acq: 28 Apr 2020 18:48

Tgt Ion:164 Resp: 8908
Ion Ratio Lower Upper
164 100
162 100.1 80.6 121.0
160 44.8 36.5 54.7

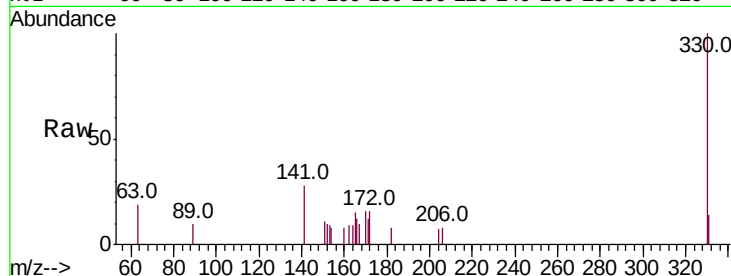




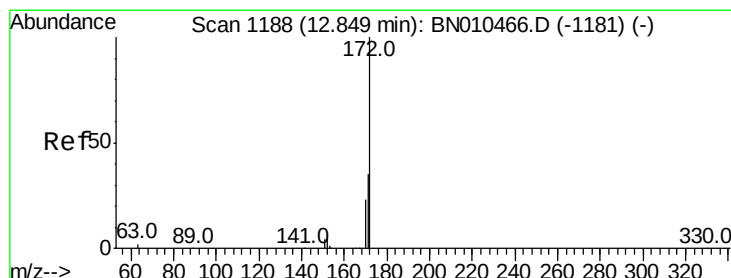
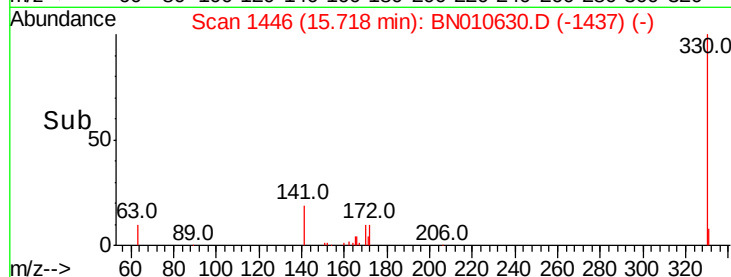
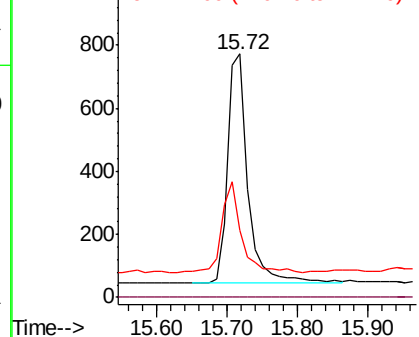
#14
 2,4,6-Tribromophenol
 Concen: 0.349 ng
 RT: 15.72 min Scan# 1446
 Delta R.T. 0.00 min
 Lab File: BN010630.D
 Acq: 28 Apr 2020 18:48

Instrument :
 BNA_N
 ClientSampleId :
 OUTFALL001-200421

Tot Ion:330 Resp: 1465
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 37.5 28.1 42.1

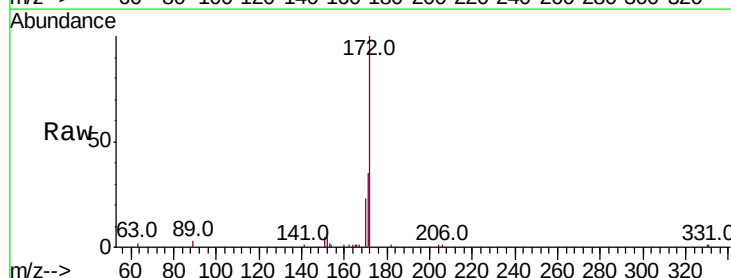


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

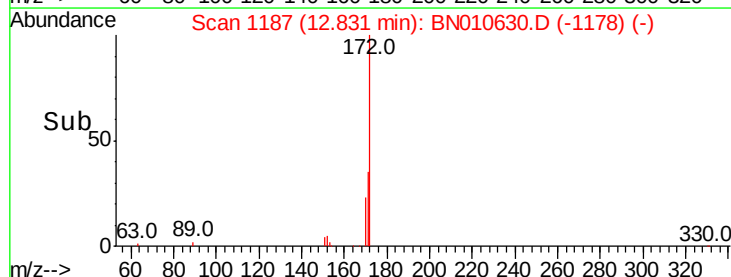
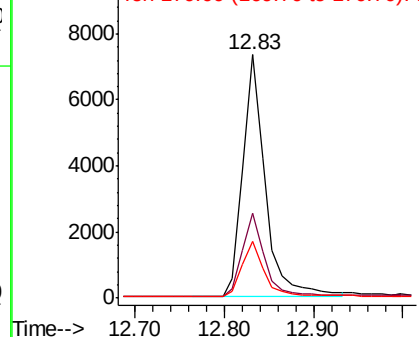


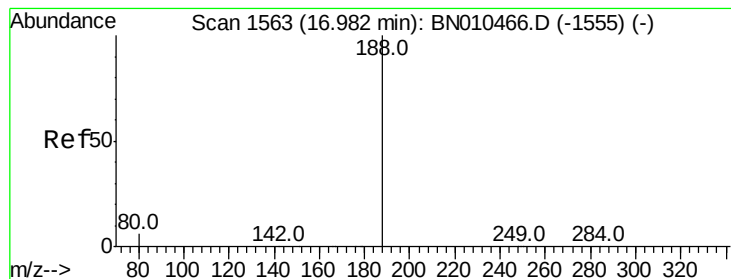
#15
 2-Fluorobiphenyl
 Concen: 0.396 ng
 RT: 12.83 min Scan# 1187
 Delta R.T. 0.00 min
 Lab File: BN010630.D
 Acq: 28 Apr 2020 18:48

Tgt Ion:172 Resp: 12827
 Ion Ratio Lower Upper
 172 100
 171 35.0 28.2 42.2
 170 23.3 18.4 27.6



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





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.96 min Scan# 1562

Delta R.T. 0.00 min

Lab File: BN010630.D

Acq: 28 Apr 2020 18:48

Instrument :

BNA_N

ClientSampleId :

OUTFALL001-200421

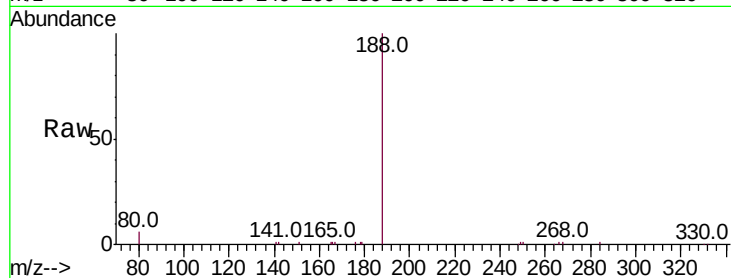
Tot Ion:188 Resp: 19898

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

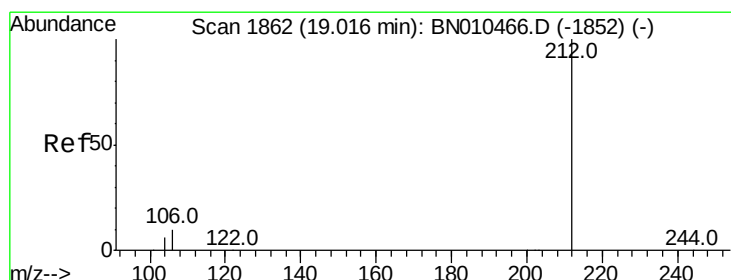
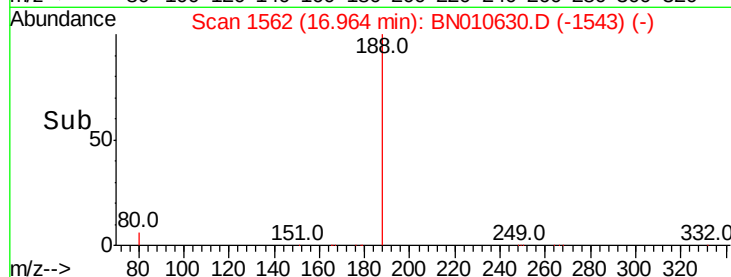
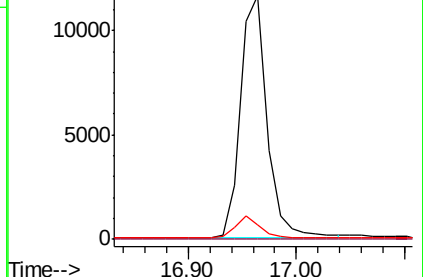
80 6.2 5.0 7.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNO

Ion 80.00 (79.70 to 80.70): BNO



#25

Fluoranthene-d10

Concen: 0.343 ng

RT: 18.99 min Scan# 1859

Delta R.T. -0.01 min

Lab File: BN010630.D

Acq: 28 Apr 2020 18:48

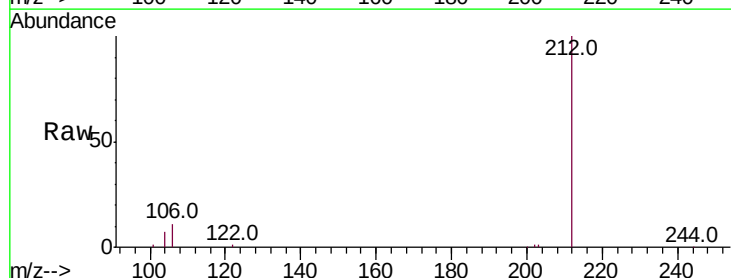
Tgt Ion:212 Resp: 20687

Ion Ratio Lower Upper

212 100

106 10.2 7.8 11.6

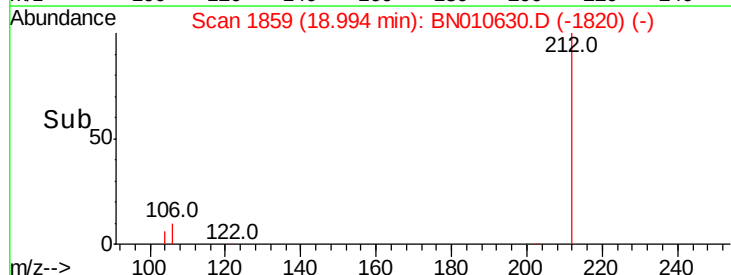
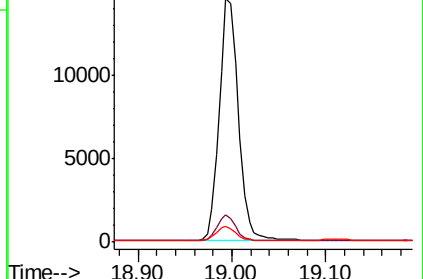
104 5.8 4.5 6.7

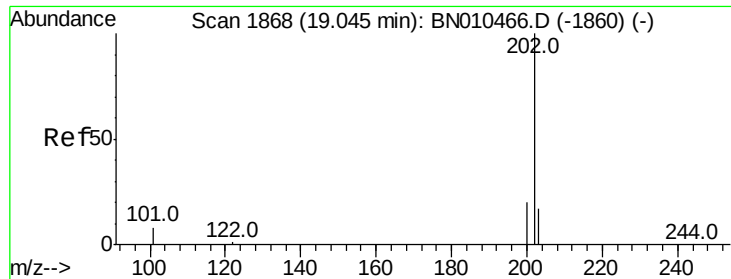


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

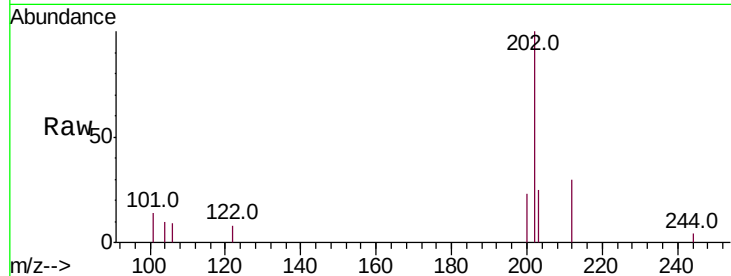




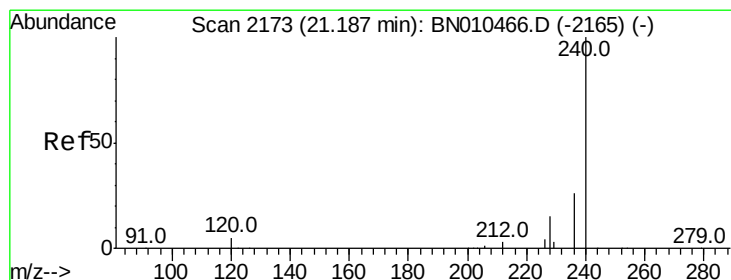
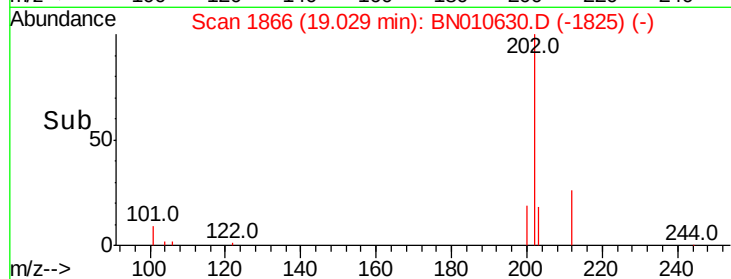
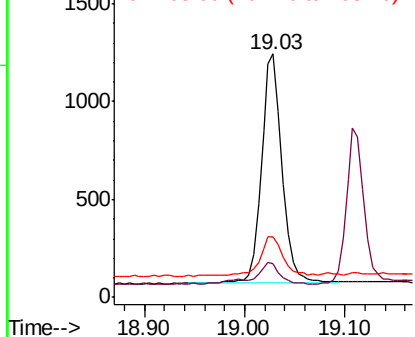
#26
Fluoranthene
Concen: 0.025 ng
RT: 19.03 min Scan# 1866
Delta R.T. 0.00 min
Lab File: BN010630.D
Acq: 28 Apr 2020 18:48

Instrument :
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Tot Ion:202 Resp: 1685
Ion Ratio Lower Upper
202 100
101 8.7 6.9 10.3
203 20.6 13.9 20.9

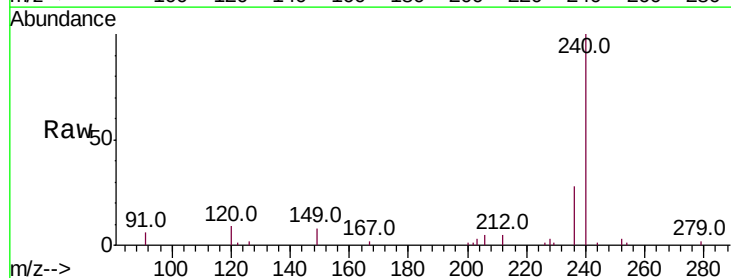


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

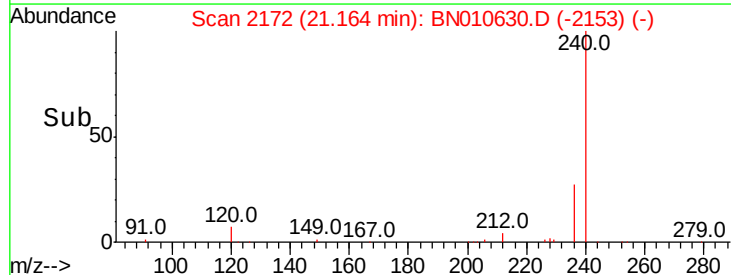
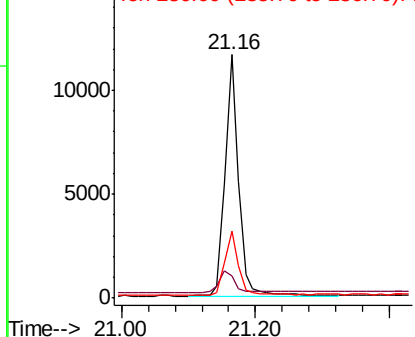


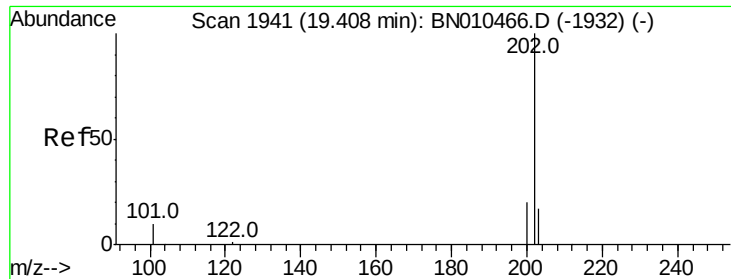
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.16 min Scan# 2172
Delta R.T. -0.00 min
Lab File: BN010630.D
Acq: 28 Apr 2020 18:48

Tgt Ion:240 Resp: 16129
Ion Ratio Lower Upper
240 100
120 9.1 4.8 7.2#
236 27.6 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

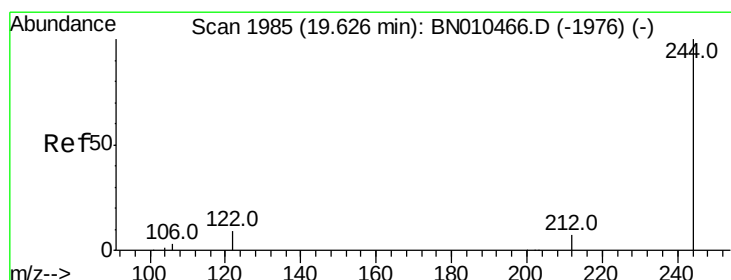
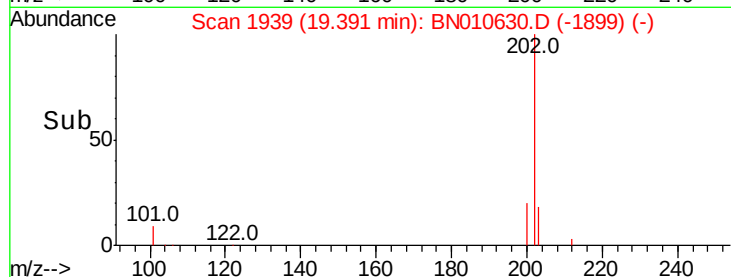
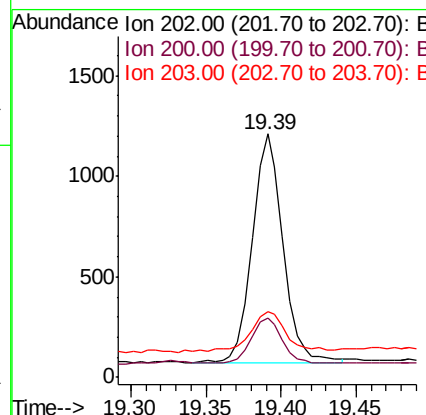
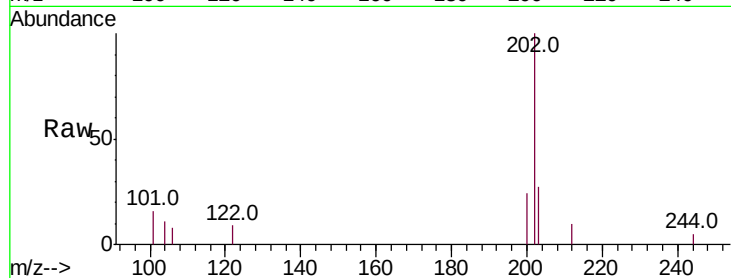




#28
Pvrene
Concen: 0.030 ng
RT: 19.39 min Scan# 1939
Delta R.T. -0.00 min
Lab File: BN010630.D
Acq: 28 Apr 2020 18:48

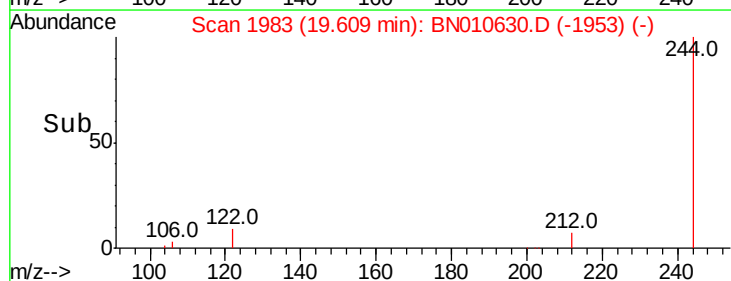
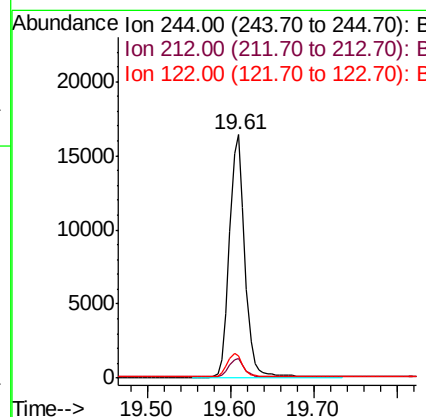
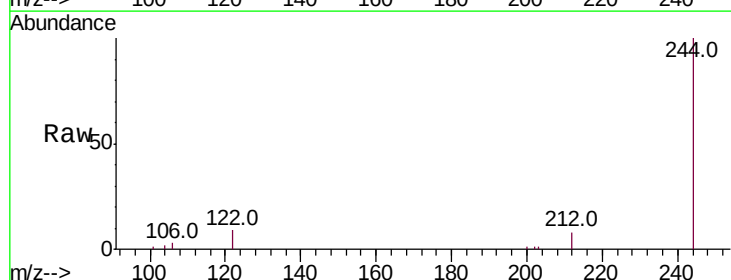
Instrument :
BNA_N
ClientSampleId :
OUTFALL001-200421

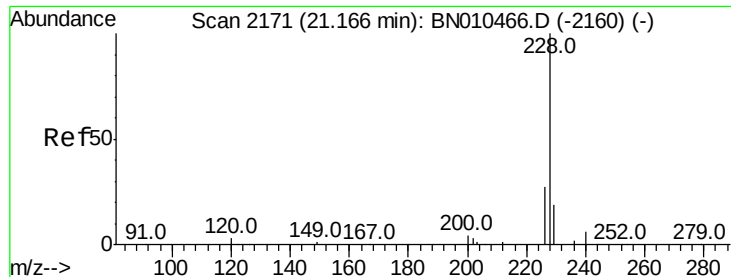
Tot Ion:202 Resp: 1605
Ion Ratio Lower Upper
202 100
200 20.1 16.3 24.5
203 19.3 14.0 21.0



#29
Terphenyl-d14
Concen: 0.568 ng
RT: 19.61 min Scan# 1983
Delta R.T. -0.00 min
Lab File: BN010630.D
Acq: 28 Apr 2020 18:48

Tgt Ion:244 Resp: 20965
Ion Ratio Lower Upper
244 100
212 7.9 6.2 9.4
122 9.2 7.8 11.8





#30

Benzo(a)anthracene

Concen: 0.024 ng

RT: 21.14 min Scan# 2170

Delta R.T. -0.01 min

Lab File: BN010630.D

Acq: 28 Apr 2020 18:48

Instrument :

BNA_N

ClientSampleId :

OUTFALL001-200421

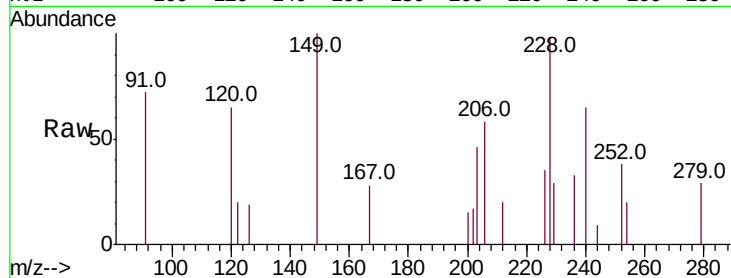
Tot Ion:228 Resp: 1283

Ion Ratio Lower Upper

228 100

226 36.0 21.7 32.5#

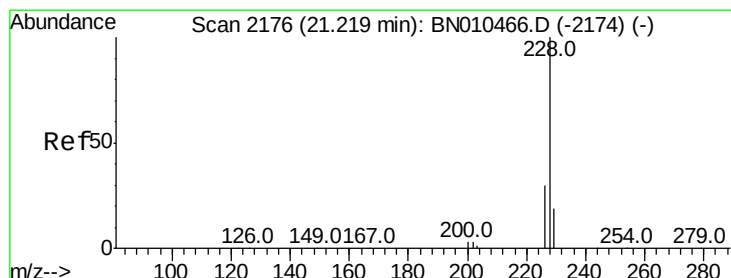
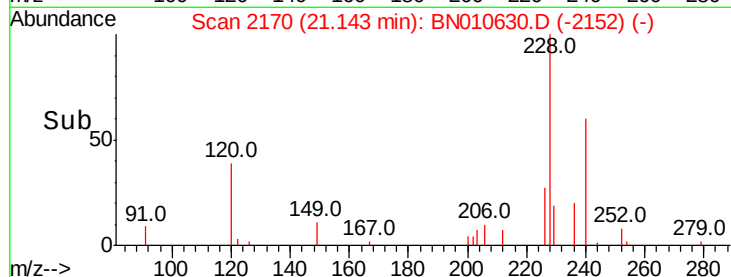
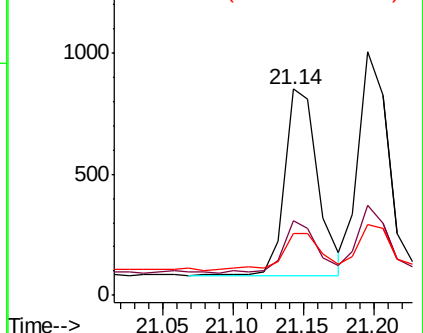
229 30.0 15.6 23.4#



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



#31

Chrysene

Concen: 0.026 ng

RT: 21.20 min Scan# 2175

Delta R.T. -0.00 min

Lab File: BN010630.D

Acq: 28 Apr 2020 18:48

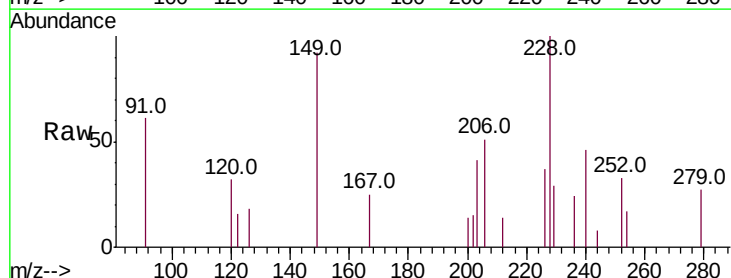
Tgt Ion:228 Resp: 1370

Ion Ratio Lower Upper

228 100

226 37.0 24.0 36.0#

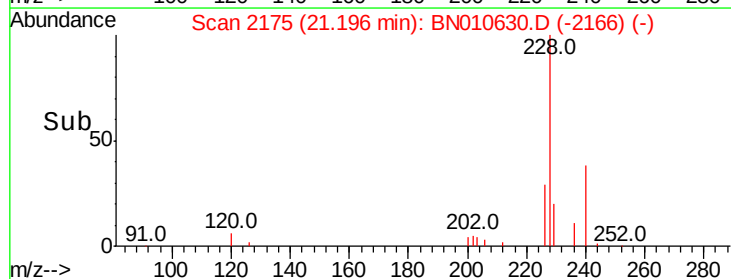
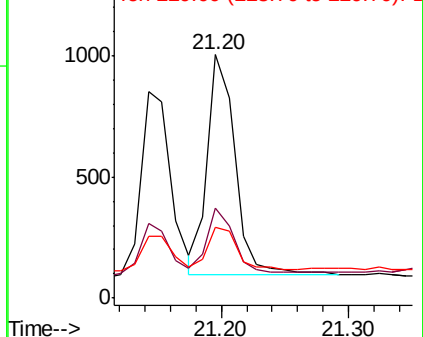
229 29.0 15.8 23.6#

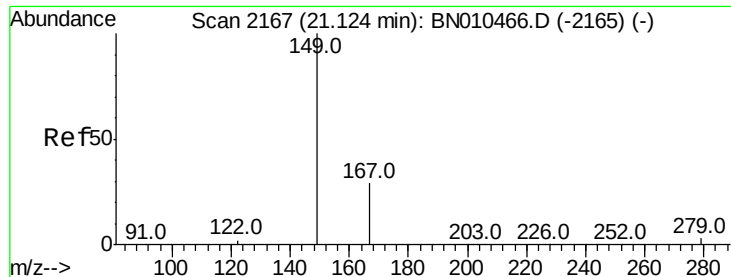


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

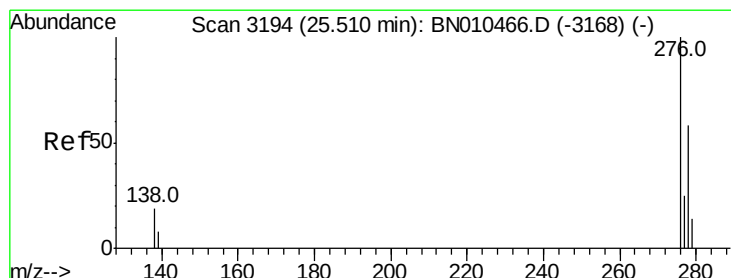
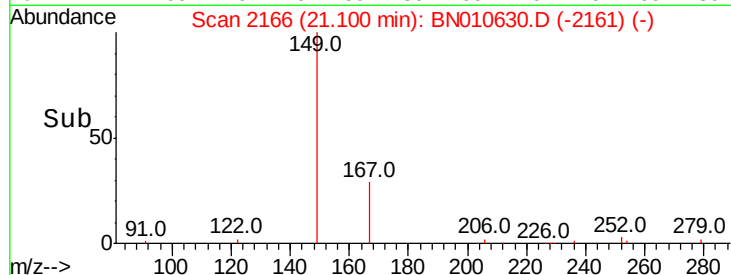
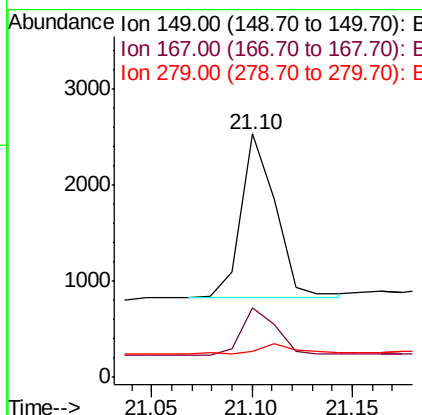
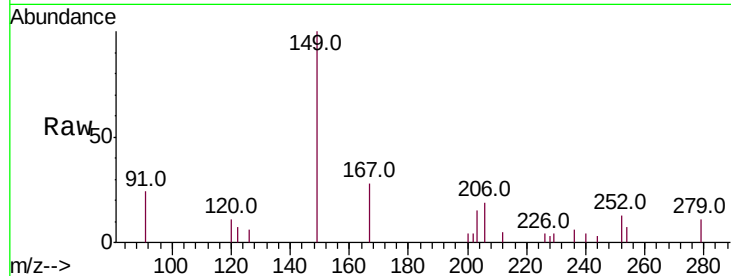




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.076 ng
 RT: 21.10 min Scan# 2166
 Delta R.T. -0.00 min
 Lab File: BN010630.D
 Acq: 28 Apr 2020 18:48

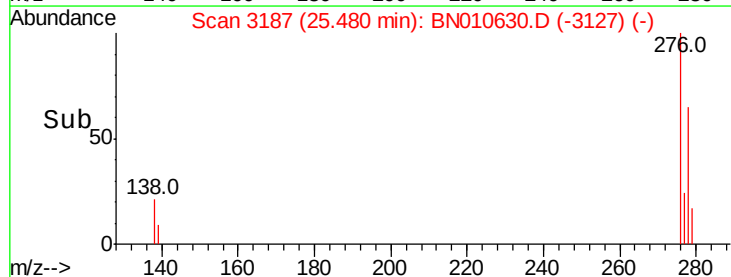
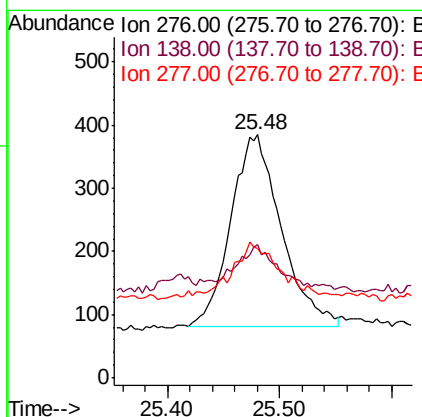
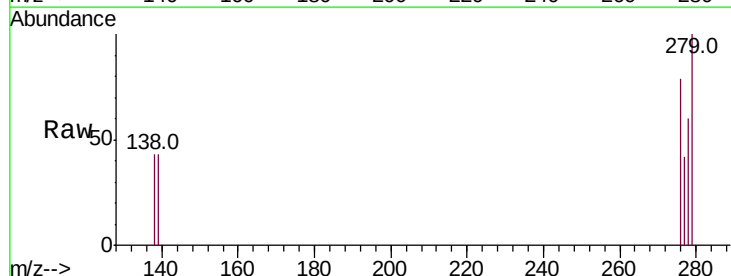
Instrument :
 BNA_N
 ClientSampleId :
 OUTFALL001-200421

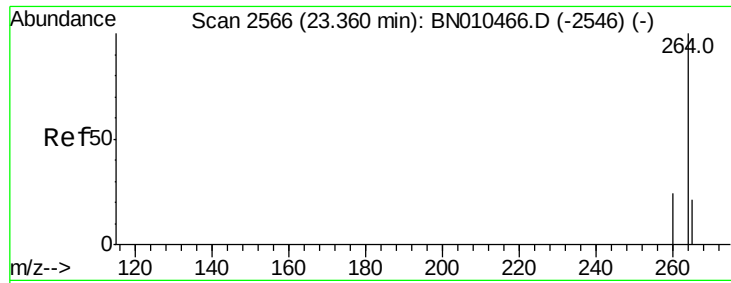
Tot Ion	Ratio	Lower	Upper
149	100		
167	29.4	23.4	35.0
279	6.2	4.0	6.0



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.020 ng
 RT: 25.48 min Scan# 3187
 Delta R.T. 0.00 min
 Lab File: BN010630.D
 Acq: 28 Apr 2020 18:48

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.4	16.4	24.6
277	24.2	19.8	29.6

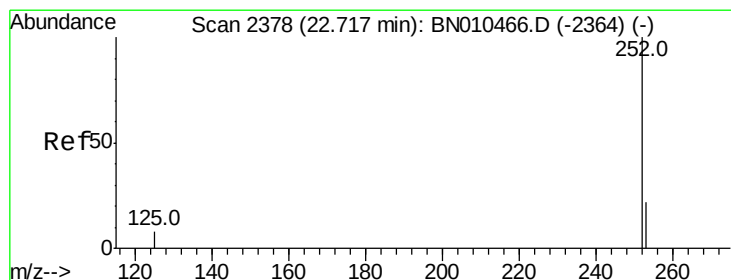
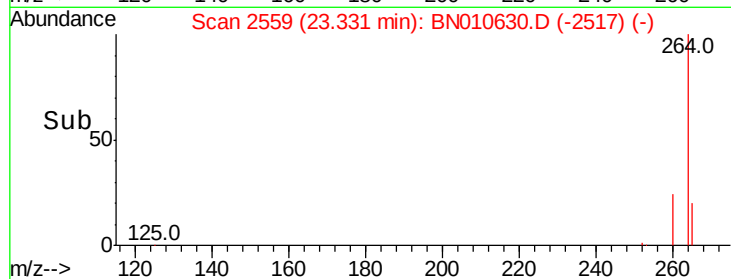
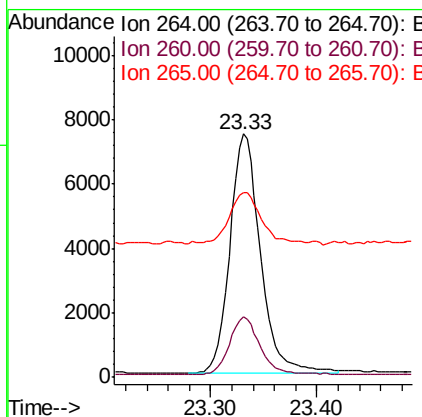
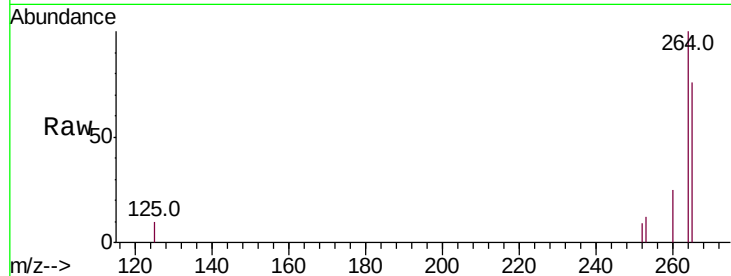




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.33 min Scan# 2559
Delta R.T. -0.01 min
Lab File: BN010630.D
Acq: 28 Apr 2020 18:48

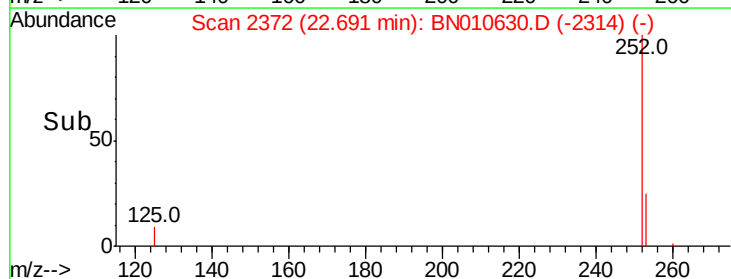
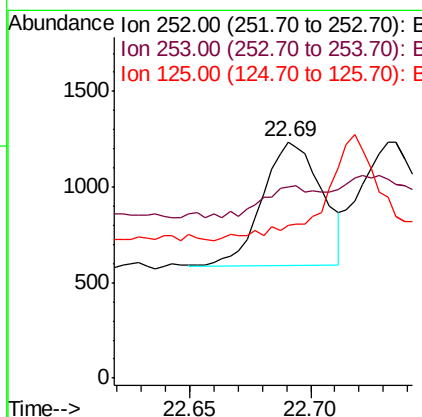
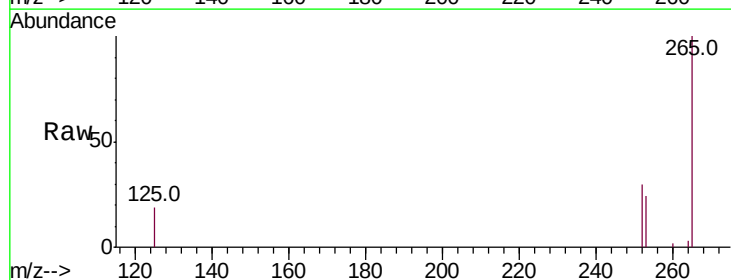
Instrument :
BNA_N
ClientSampleId :
OUTFALL001-200421

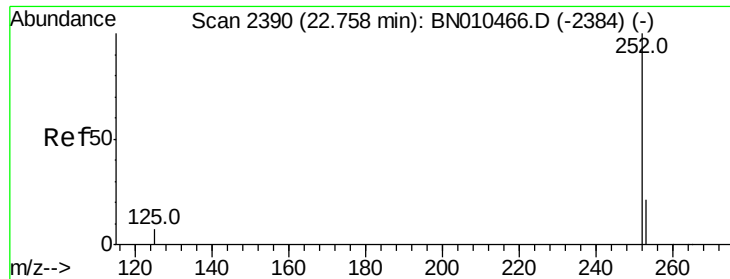
Tot Ion:264 Resp: 14788
Ion Ratio Lower Upper
264 100
260 24.9 19.8 29.8
265 76.0 42.3 63.5#



#35
Benzo(b)fluoranthene
Concen: 0.023 ng
RT: 22.69 min Scan# 2372
Delta R.T. -0.00 min
Lab File: BN010630.D
Acq: 28 Apr 2020 18:48

Tgt Ion:252 Resp: 1107
Ion Ratio Lower Upper
252 100
253 81.0 20.2 30.4#
125 64.7 9.2 13.8#

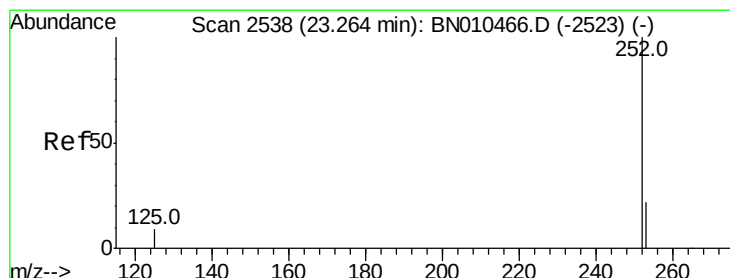
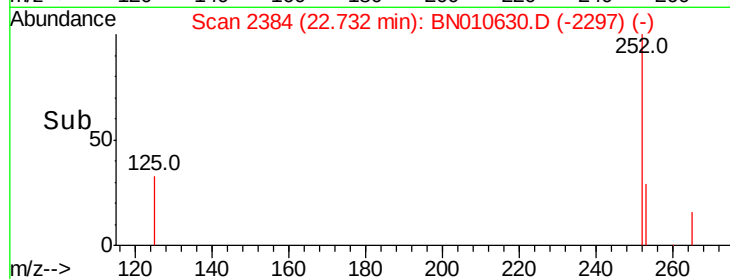
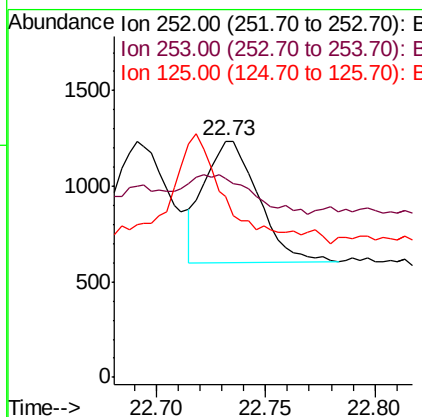
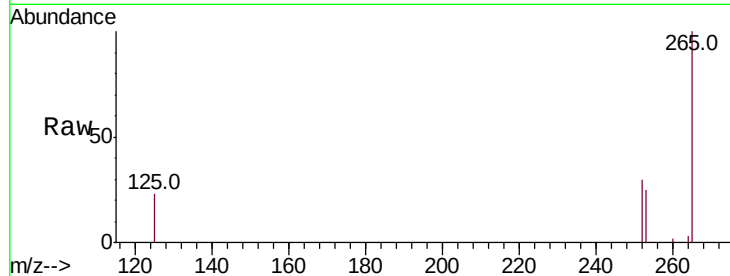




#36
Benzo(k)fluoranthene
Concen: 0.022 ng
RT: 22.73 min Scan# 2384
Delta R.T. -0.00 min
Lab File: BN010630.D
Acq: 28 Apr 2020 18:48

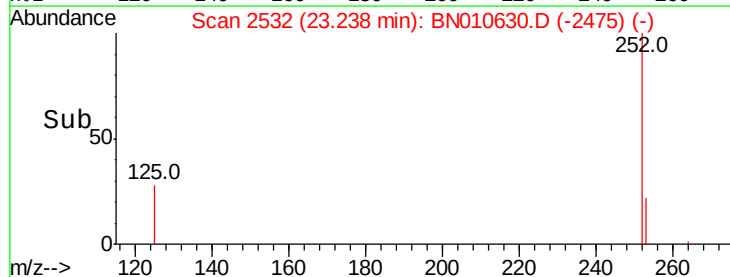
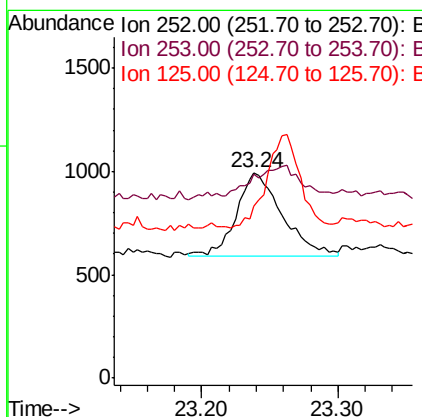
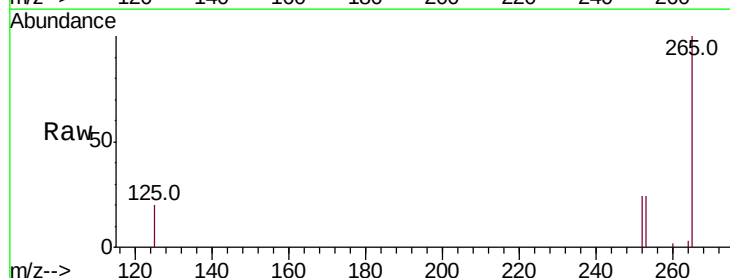
Instrument :
BNA_N
ClientSampleId :
OUTFALL001-200421

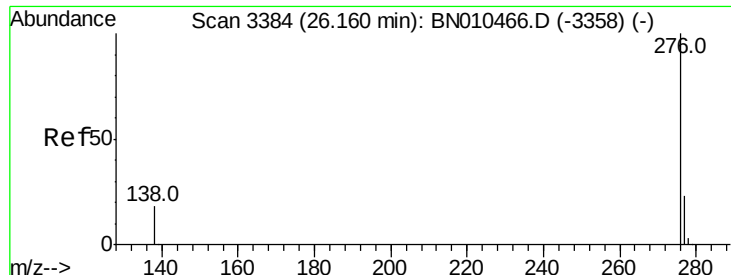
Tot Ion:252 Resp: 1093
Ion Ratio Lower Upper
252 100
253 84.2 20.1 30.1#
125 76.3 9.6 14.4#



#37
Benzo(a)pyrene
Concen: 0.021 ng
RT: 23.24 min Scan# 2532
Delta R.T. -0.01 min
Lab File: BN010630.D
Acq: 28 Apr 2020 18:48

Tgt Ion:252 Resp: 925
Ion Ratio Lower Upper
252 100
253 98.9 21.8 32.8#
125 83.6 11.0 16.6#





#39

Benzo(a,h,i)perylene

Concen: 0.023 ng

RT: 26.12 min Scan# 3374

Delta R.T. 0.00 min

Lab File: BN010630.D

Acq: 28 Apr 2020 18:48

Instrument :

BNA_N

ClientSampleId :

OUTFALL001-200421

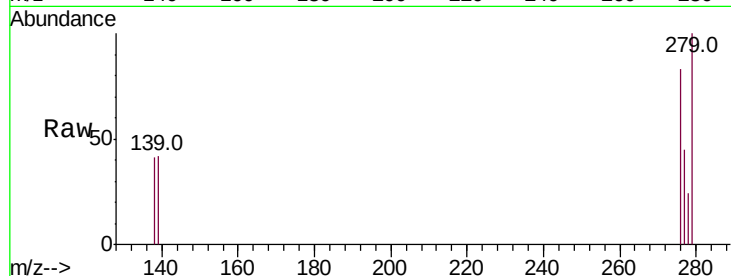
Tot Ion:276 Resp: 910

Ion Ratio Lower Upper

276 100

277 54.1 20.2 30.2#

138 49.7 15.4 23.2#



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

