

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN072220\
 Data File : BN011221.D
 Acq On : 21 Jul 2020 16:31
 Operator : CG/JU
 Sample : L3239-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 OUTFALL001-200707

Quant Time: Jul 21 17:03:27 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN071120.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 21 14:35:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.50	152	1360	0.40	ng	0.00
7) Naphthalene-d8	10.25	136	4770	0.40	ng	0.01
13) Acenaphthene-d10	14.12	164	3026	0.40	ng	0.00
19) Phenanthrene-d10	16.87	188	6820	0.40	ng	0.00
29) Chrysene-d12	21.10	240	5680	0.40	ng	0.00
36) Perylene-d12	23.23	264	5298	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.15	112	504	0.15	ng	0.00
5) Phenol-d6	6.70	99	349	0.09	ng	0.00
8) Nitrobenzene-d5	8.64	82	1884	0.45	ng	0.01
11) 2-Methylnaphthalene-d10	11.84	152	2867	0.37	ng	0.00
14) 2,4,6-Tribromophenol	15.63	330	593	0.44	ng	0.00
15) 2-Fluorobiphenyl	12.73	172	6109	0.43	ng	0.00
27) Fluoranthene-d10	18.91	212	9139	0.43	ng	0.00
31) Terphenyl-d14	19.53	244	11840	0.80	ng	0.00

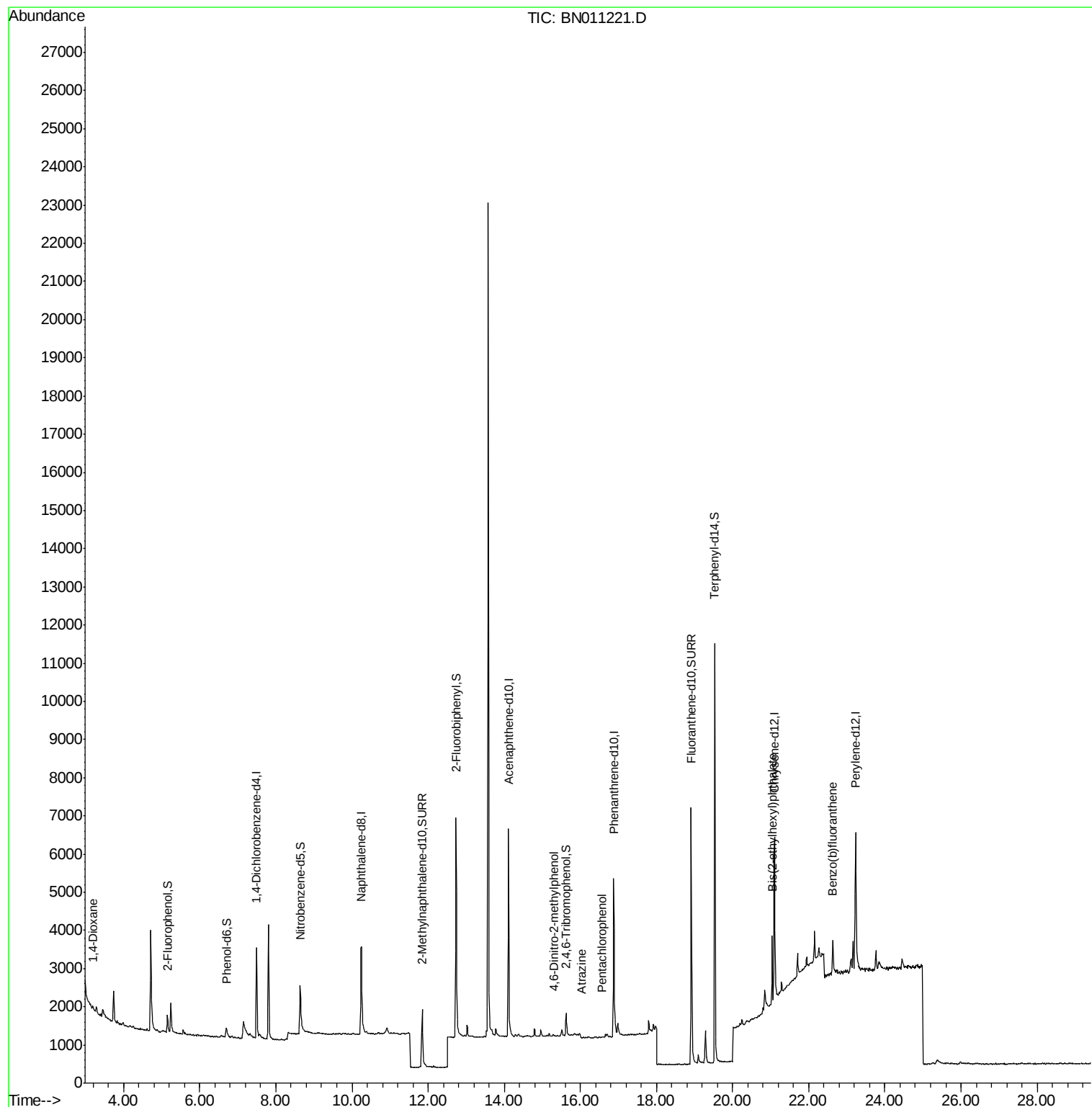
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.21	88	122	0.063	ng	# 85
20) 4,6-Dinitro-2-methylphenol	15.31	198	5	0.137	ng	# 6
23) Atrazine	16.03	200	137	0.042	ng	# 9
24) Pentachlorophenol	16.55	266	37	0.023	ng	# 39
34) Bis(2-ethylhexyl)phthalate	21.04	149	1426	0.188	ng	# 98
35) Indeno(1,2,3-cd)pyrene	25.35	276	48	Below Cal		# 86
37) Benzo(b)fluoranthene	22.63	252	460	0.022	ng	# 1

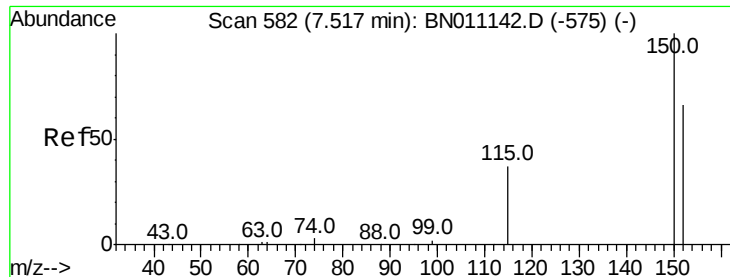
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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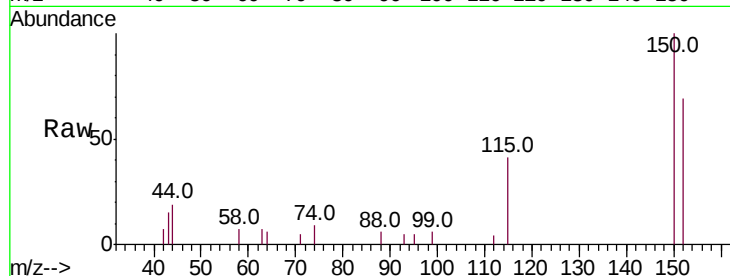


#1

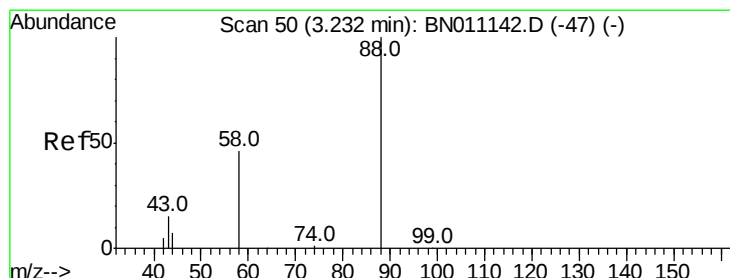
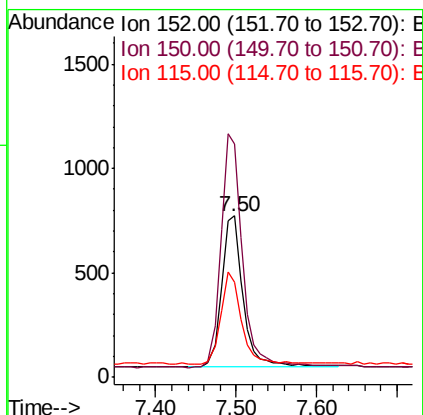
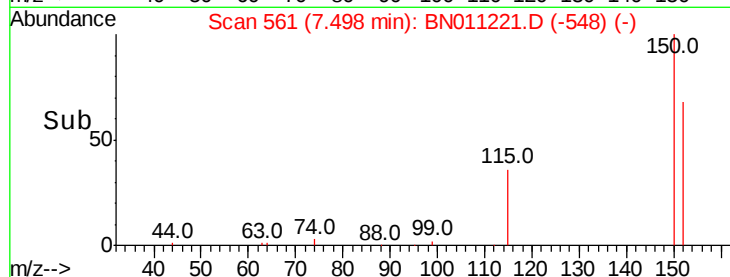
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.50 min Scan# 561
Delta R.T. 0.01 min
Lab File: BN011221.D
Acq: 21 Jul 2020 16:31

Instrument :
BNA_N
ClientSampleId :
OUTFALL001-200707

Tot Ion:152 Resp: 1360
Ion Ratio Lower Upper
152 100
150 144.4 119.4 179.0
115 58.9 48.3 72.5



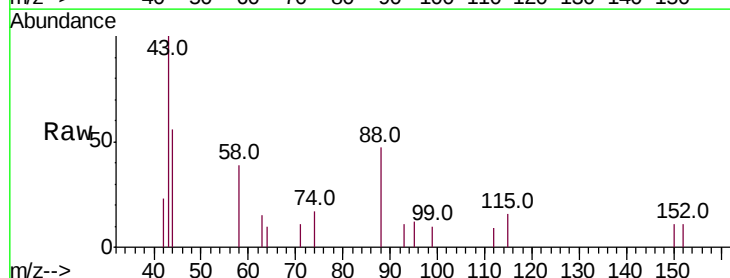
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



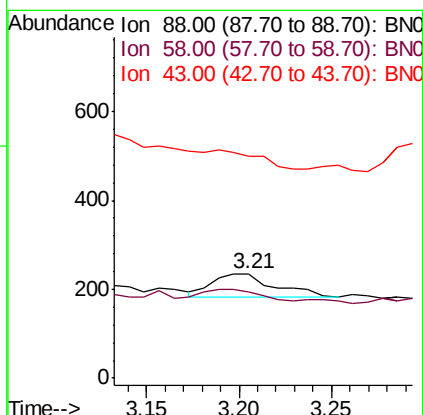
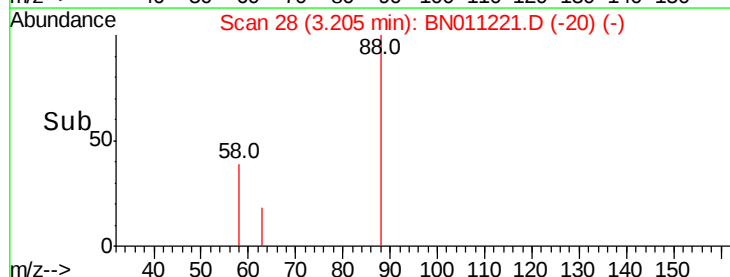
#2

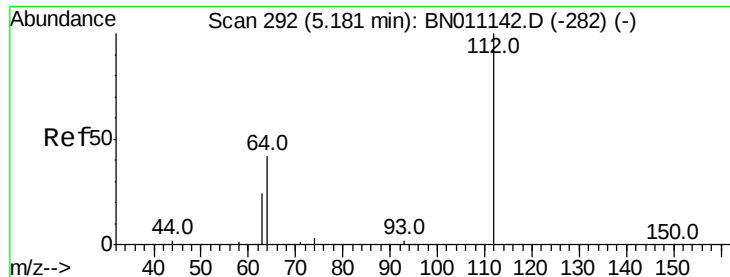
1,4-Dioxane
Concen: 0.063 ng
RT: 3.21 min Scan# 28
Delta R.T. 0.02 min
Lab File: BN011221.D
Acq: 21 Jul 2020 16:31

Tgt Ion: 88 Resp: 122
Ion Ratio Lower Upper
88 100
58 42.6 36.5 54.7
43 0.0 14.3 21.5#



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: 0.150 ng

RT: 5.15 min Scan# 270

Delta R.T. 0.01 min

Lab File: BN011221.D

Acq: 21 Jul 2020 16:31

Instrument :

BNA_N

ClientSampleId :

OUTFALL001-200707

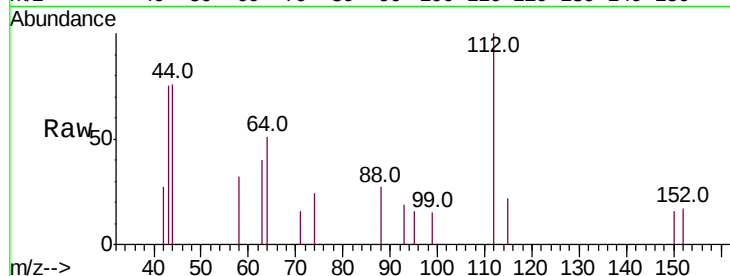
Tot Ion:112 Resp: 504

Ion Ratio Lower Upper

112 100

64 47.2 36.7 55.1

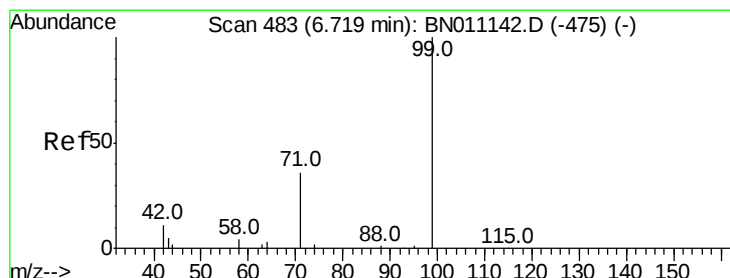
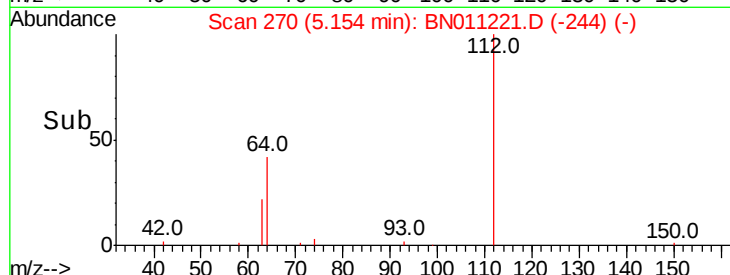
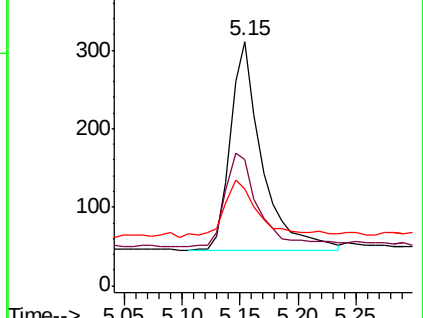
63 28.2 20.4 30.6



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC



#5

Phenol-d6

Concen: 0.092 ng

RT: 6.70 min Scan# 462

Delta R.T. 0.01 min

Lab File: BN011221.D

Acq: 21 Jul 2020 16:31

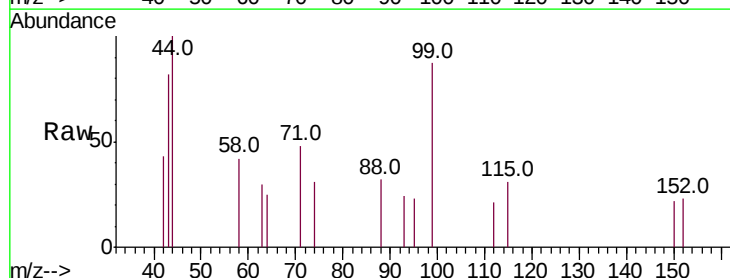
Tgt Ion: 99 Resp: 349

Ion Ratio Lower Upper

99 100

42 15.5 10.8 16.2

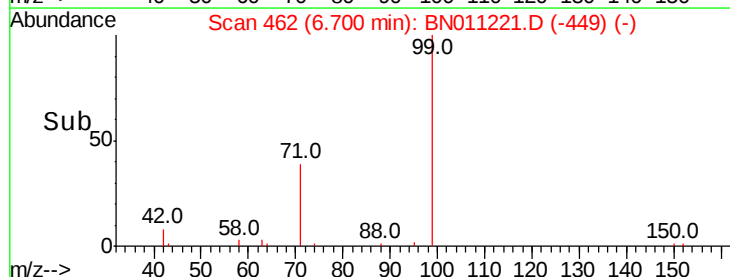
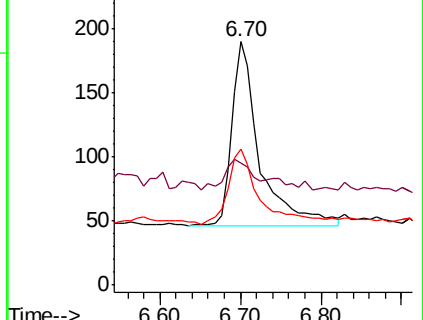
71 45.8 31.3 46.9

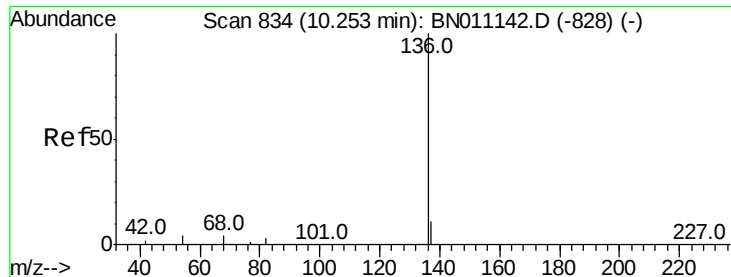


Abundance Ion 99.00 (98.70 to 99.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 71.00 (70.70 to 71.70): BNC





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.25 min Scan# 815

Delta R.T. 0.01 min

Lab File: BN011221.D

Acq: 21 Jul 2020 16:31

Instrument :

BNA_N

ClientSampleId :

OUTFALL001-200707

Tot Ion:136 Resp: 4770

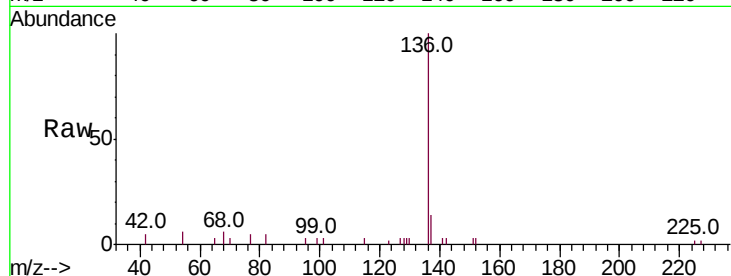
Ion Ratio Lower Upper

136 100

137 13.5 10.3 15.5

54 5.7 4.9 7.3

68 6.4 4.9 7.3

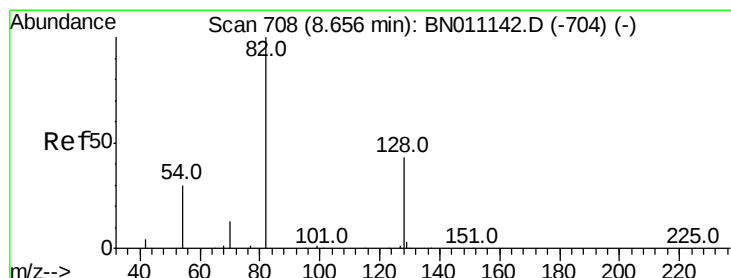
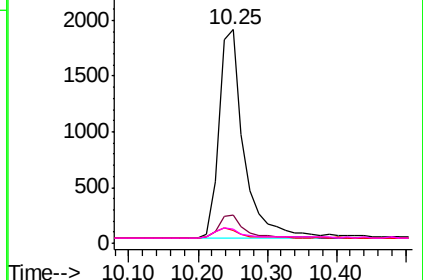
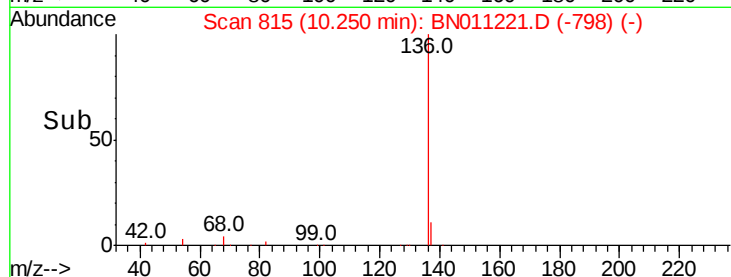


Abundance Ion 136.00 (135.70 to 136.70): E

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



#8

Nitrobenzene-d5

Concen: 0.446 ng

RT: 8.64 min Scan# 688

Delta R.T. 0.01 min

Lab File: BN011221.D

Acq: 21 Jul 2020 16:31

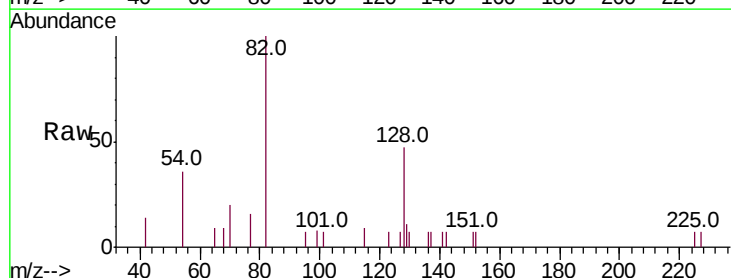
Tgt Ion: 82 Resp: 1884

Ion Ratio Lower Upper

82 100

128 46.7 38.1 57.1

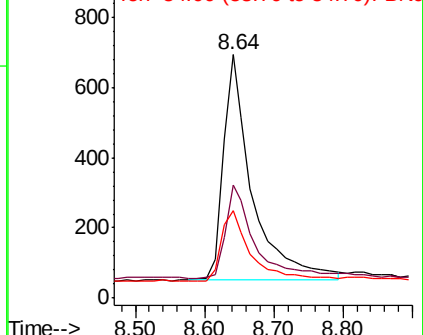
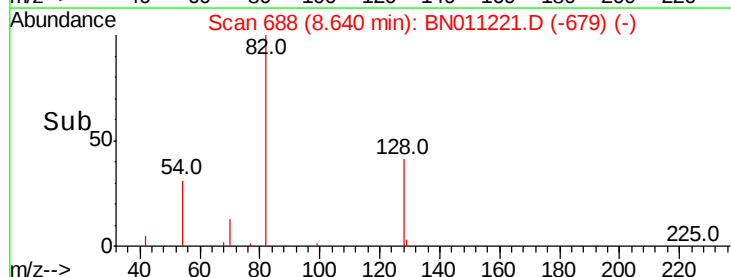
54 36.0 27.1 40.7

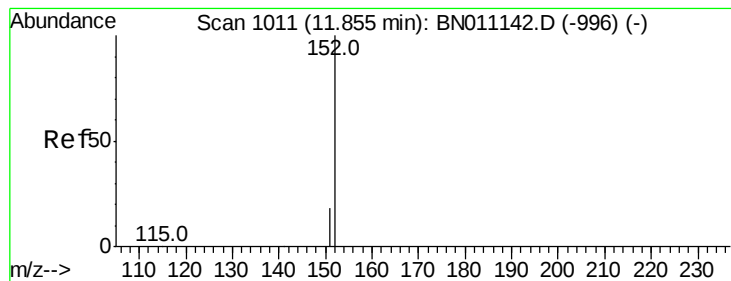


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#11

2-Methylnaphthalene-d10

Concen: 0.371 ng

RT: 11.84 min Scan# 988

Delta R.T. 0.00 min

Lab File: BN011221.D

Acq: 21 Jul 2020 16:31

Instrument :

BNA_N

ClientSampleId :

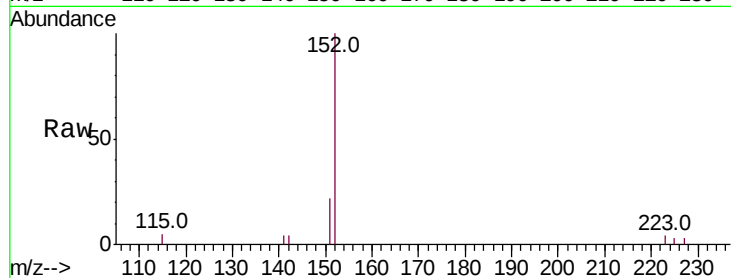
OUTFALL001-200707

Tot Ion:152 Resp: 2867

Ion Ratio Lower Upper

152 100

151 19.6 16.5 24.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.84

1500

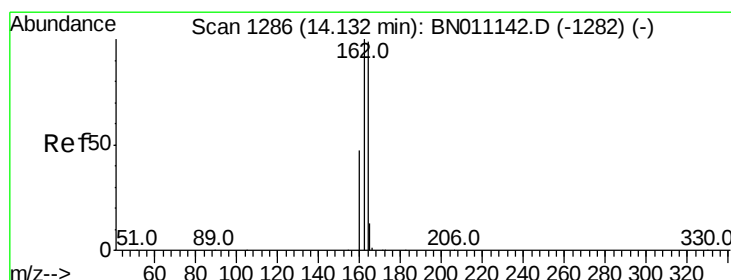
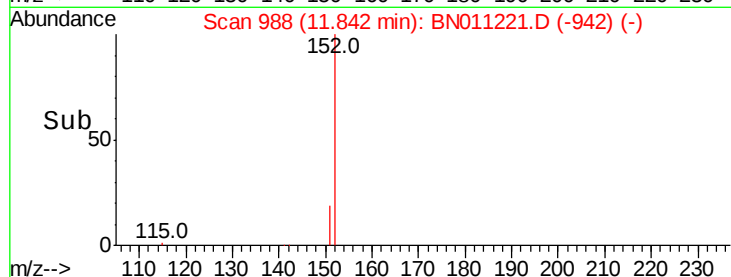
1000

500

0

Time-->

11.80 11.90 12.00



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.12 min Scan# 1264

Delta R.T. 0.00 min

Lab File: BN011221.D

Acq: 21 Jul 2020 16:31

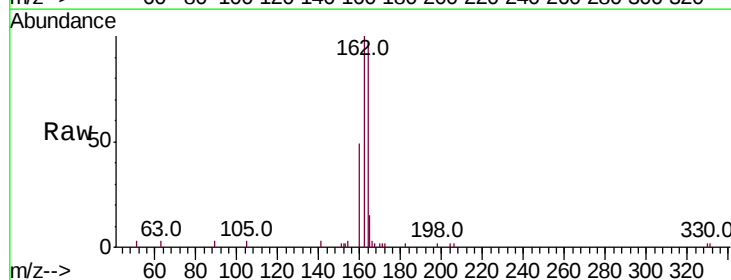
Tgt Ion:164 Resp: 3026

Ion Ratio Lower Upper

164 100

162 102.9 81.0 121.4

160 50.2 39.0 58.6



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

14.12

3000

2500

2000

1500

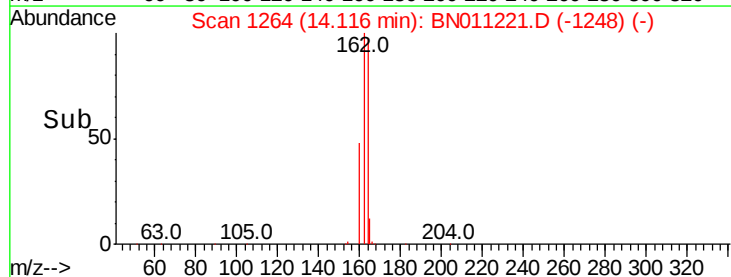
1000

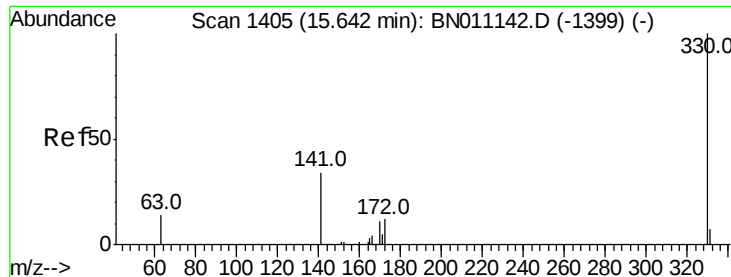
500

0

Time-->

14.00 14.20

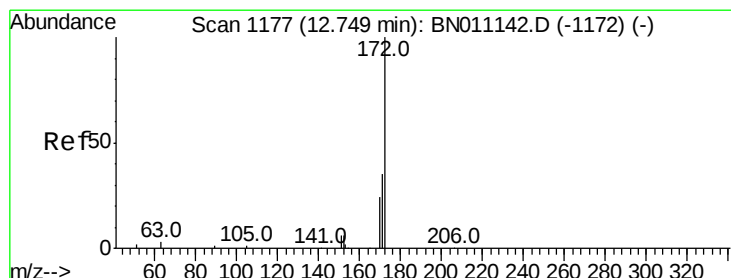
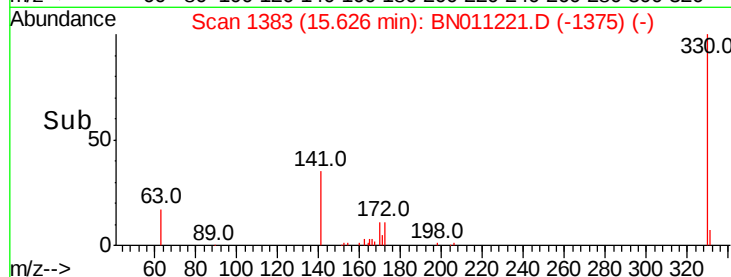
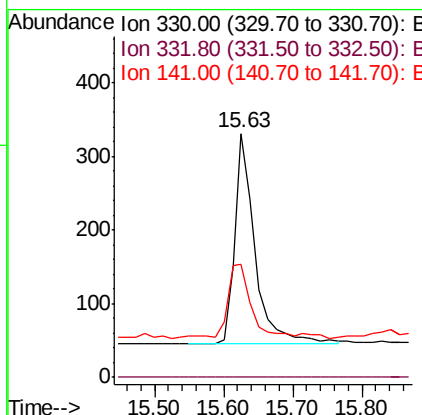
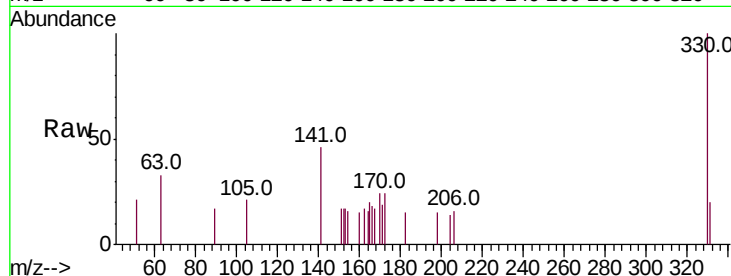




#14
 2,4,6-Tribromophenol
 Concen: 0.442 ng
 RT: 15.63 min Scan# 1383
 Delta R.T. 0.00 min
 Lab File: BN011221.D
 Acq: 21 Jul 2020 16:31

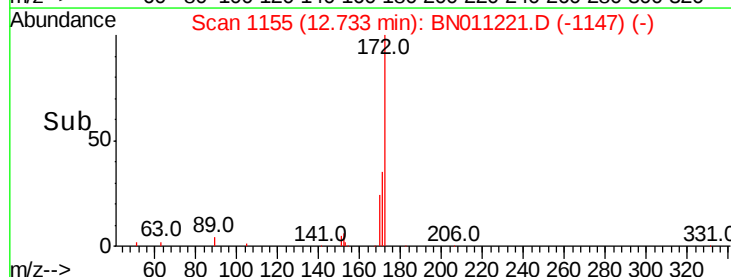
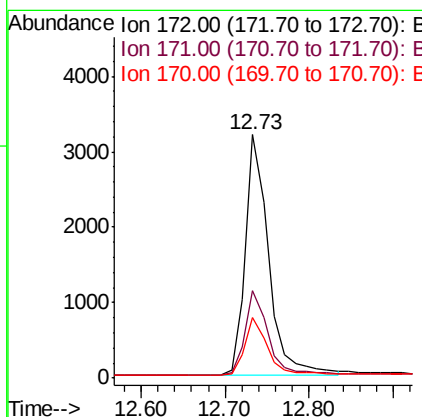
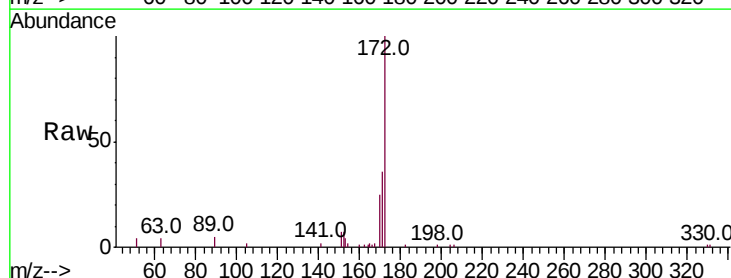
Instrument :
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 OUTFALL001-200707

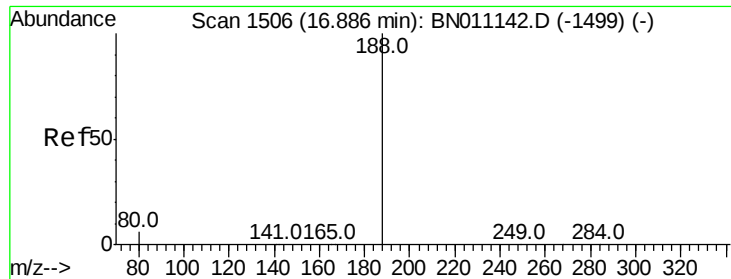
Tot Ion:330 Resp: 593
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 36.3 31.5 47.3



#15
 2-Fluorobiphenyl
 Concen: 0.431 ng
 RT: 12.73 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: BN011221.D
 Acq: 21 Jul 2020 16:31

Tgt Ion:172 Resp: 6109
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.0 43.6
 170 24.7 20.3 30.5





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.87 min Scan# 1484

Delta R.T. 0.00 min

Lab File: BN011221.D

Acq: 21 Jul 2020 16:31

Instrument :

BNA_N

ClientSampleId :

OUTFALL001-200707

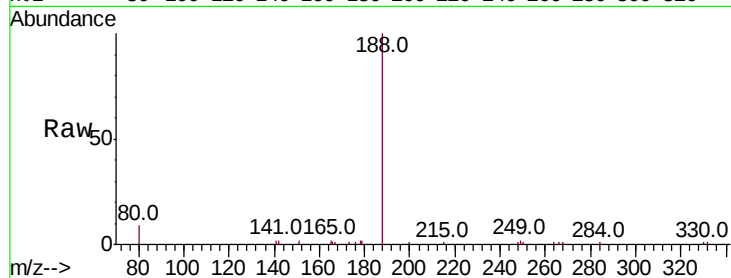
Tot Ion:188 Resp: 6820

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

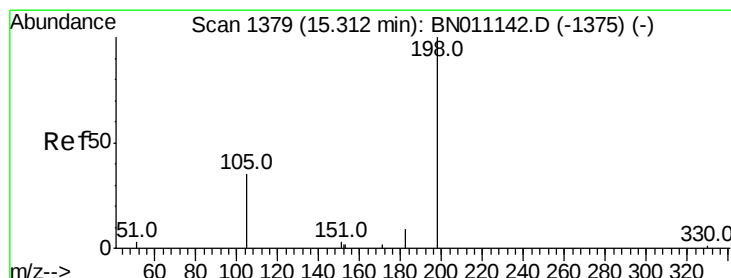
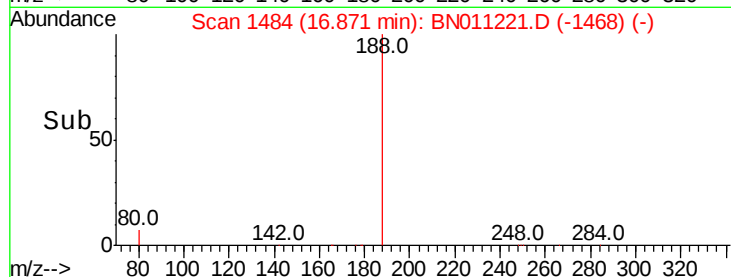
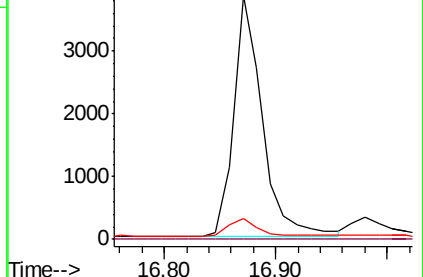
80 8.8 6.3 9.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC



#20

4,6-Dinitro-2-methylphenol

Concen: 0.137 ng

RT: 15.31 min Scan# 1358

Delta R.T. 0.01 min

Lab File: BN011221.D

Acq: 21 Jul 2020 16:31

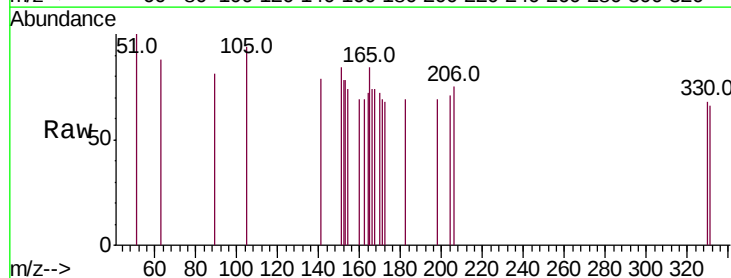
Tgt Ion:198 Resp: 5

Ion Ratio Lower Upper

198 100

51 144.7 53.1 79.7#

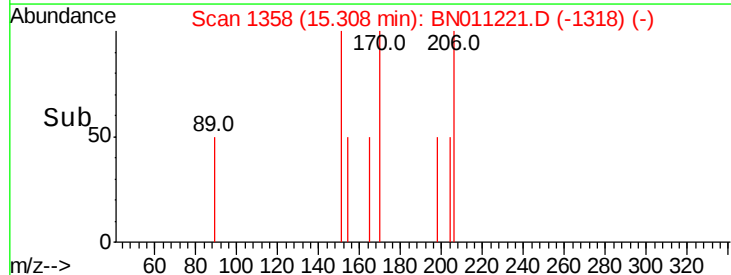
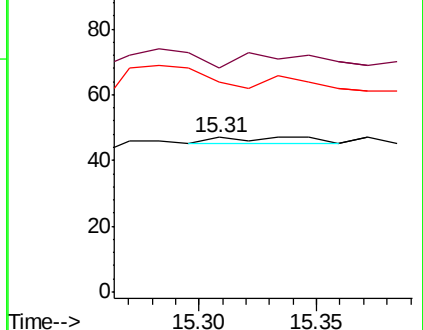
105 136.2 51.9 77.9#

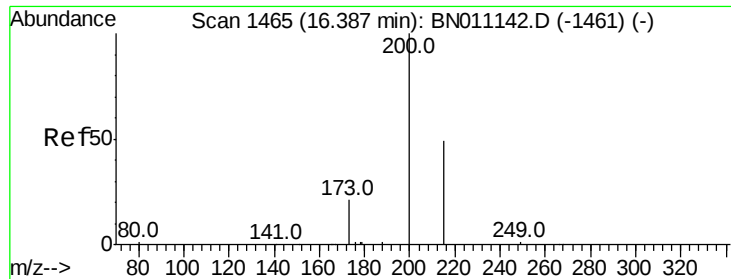


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BNC

Ion 105.00 (104.70 to 105.70): E





#23

Atrazine

Concen: 0.042 ng

RT: 16.03 min Scan# 1415

Delta R.T. -0.34 min

Lab File: BN011221.D

Acq: 21 Jul 2020 16:31

Instrument :

BNA_N

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OUTFALL001-200707

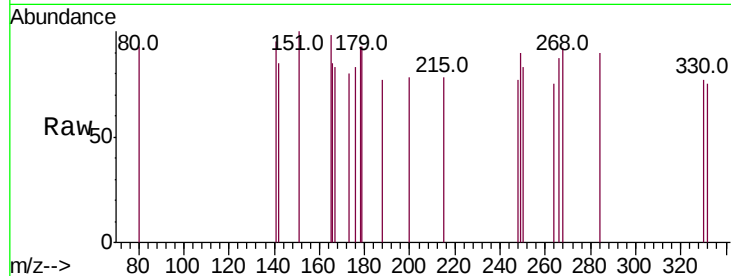
Tot Ion:200 Resp: 137

Ion Ratio Lower Upper

200 100

173 102.1 23.0 34.4#

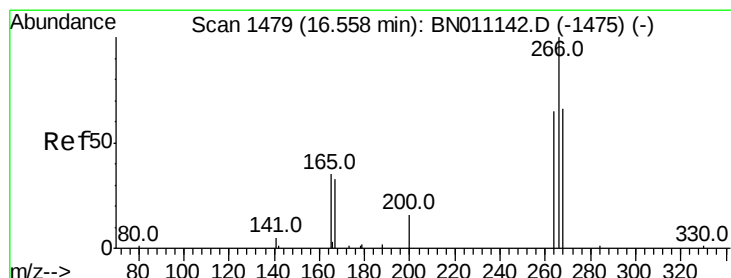
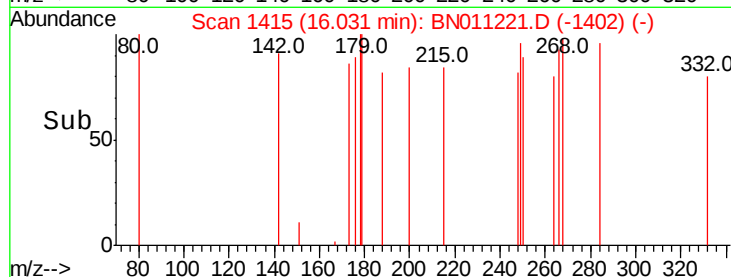
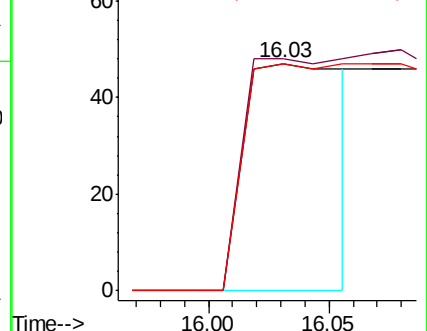
215 100.0 42.6 63.8#



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#24

Pentachlorophenol

Concen: 0.023 ng

RT: 16.55 min Scan# 1458

Delta R.T. 0.01 min

Lab File: BN011221.D

Acq: 21 Jul 2020 16:31

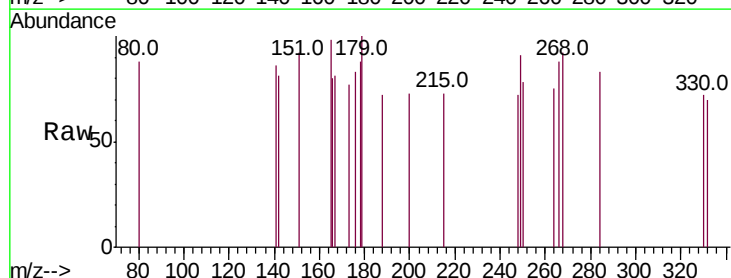
Tgt Ion:266 Resp: 37

Ion Ratio Lower Upper

266 100

264 5.4 52.5 78.7#

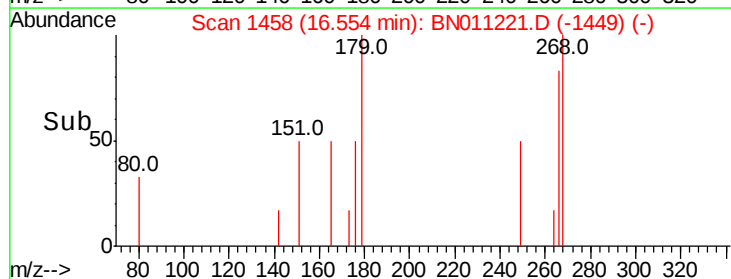
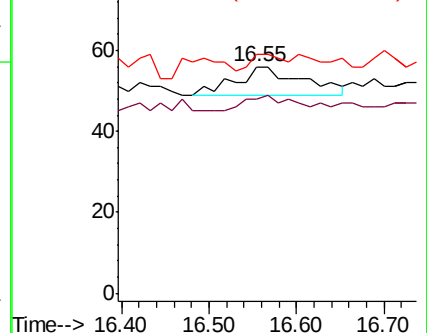
268 27.0 48.9 73.3#

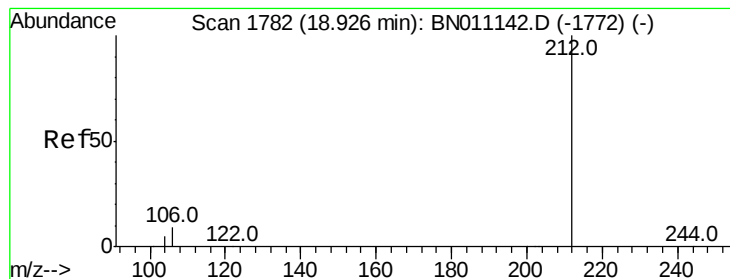


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#27

Fluoranthene-d10

Concen: 0.425 ng

RT: 18.91 min Scan# 1759

Delta R.T. -0.00 min

Lab File: BN011221.D

Acq: 21 Jul 2020 16:31

Instrument :

BNA_N

ClientSampleId :

OUTFALL001-200707

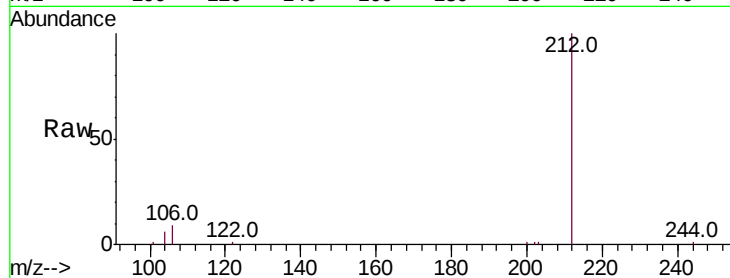
Tot Ion:212 Resp: 9139

Ion Ratio Lower Upper

212 100

106 8.7 7.0 10.6

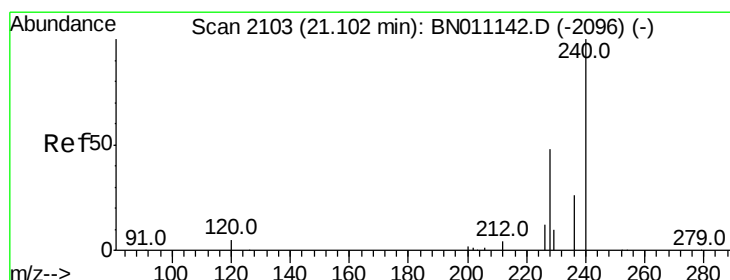
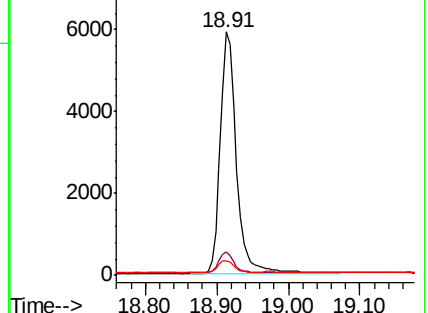
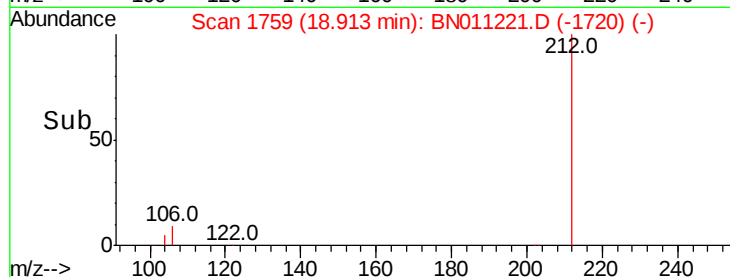
104 4.8 4.2 6.4



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



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.10 min Scan# 2082

Delta R.T. 0.00 min

Lab File: BN011221.D

Acq: 21 Jul 2020 16:31

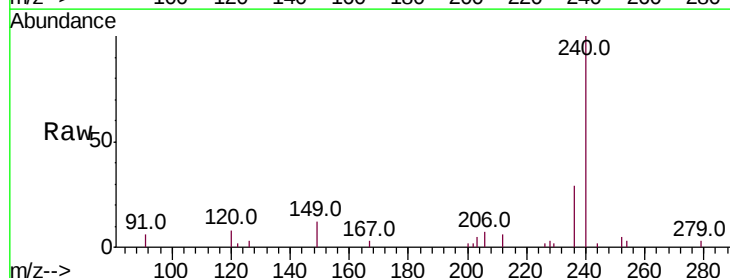
Tgt Ion:240 Resp: 5680

Ion Ratio Lower Upper

240 100

120 8.5 6.5 9.7

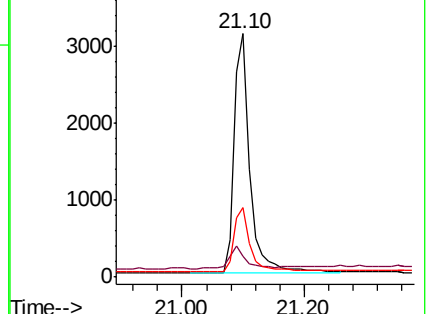
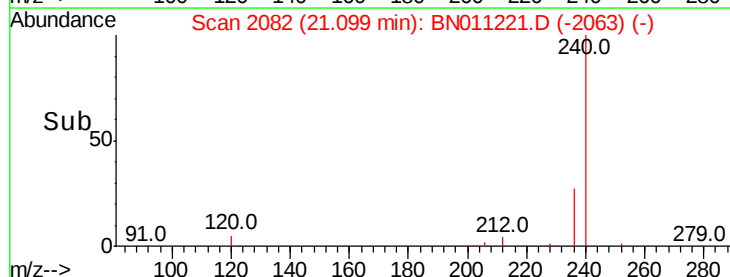
236 28.5 21.9 32.9

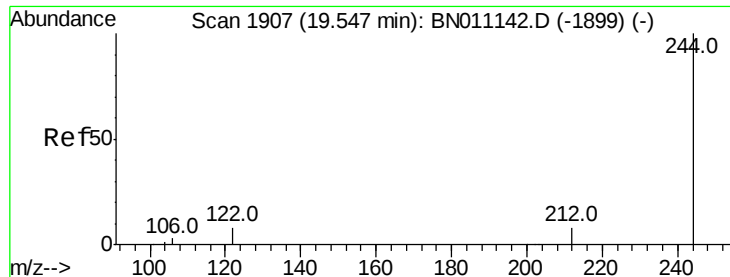


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#31

Terphenyl-d14

Concen: 0.801 ng

RT: 19.53 min Scan# 1883

Delta R.T. -0.01 min

Lab File: BN011221.D

Acq: 21 Jul 2020 16:31

Instrument :

BNA_N

ClientSampleId :

OUTFALL001-200707

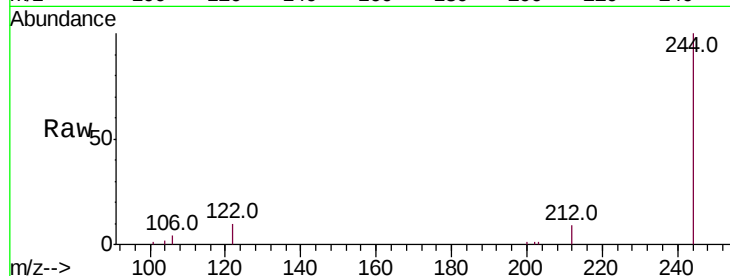
Tot Ion:244 Resp: 11840

Ion Ratio Lower Upper

244 100

212 9.1 7.8 11.6

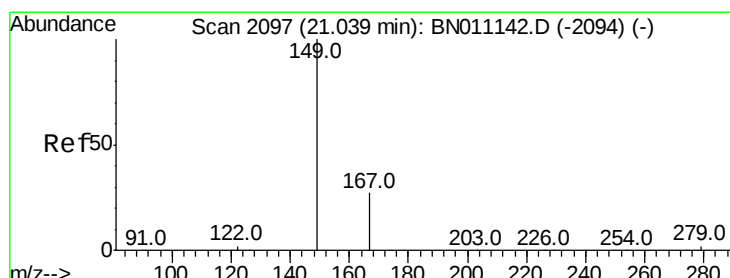
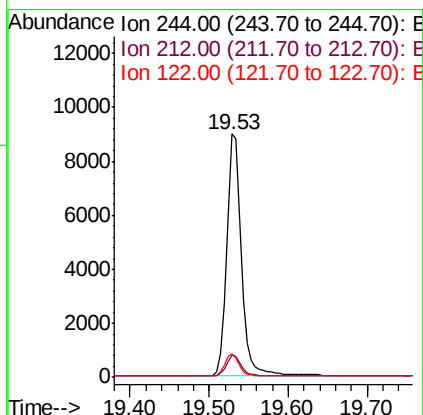
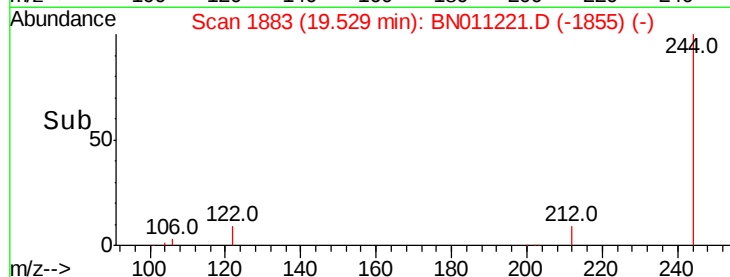
122 9.7 7.4 11.0



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



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.188 ng

RT: 21.04 min Scan# 2076

Delta R.T. 0.00 min

Lab File: BN011221.D

Acq: 21 Jul 2020 16:31

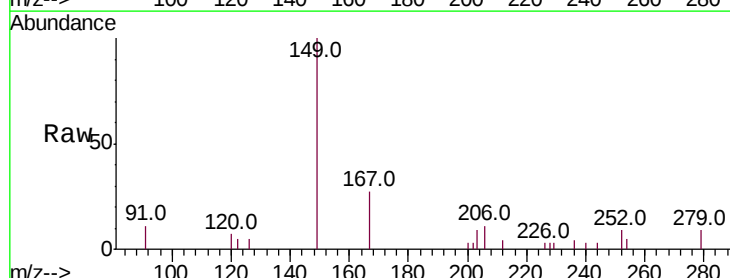
Tgt Ion:149 Resp: 1426

Ion Ratio Lower Upper

149 100

167 27.8 23.4 35.0

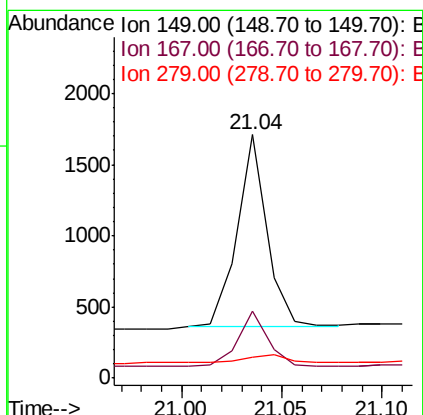
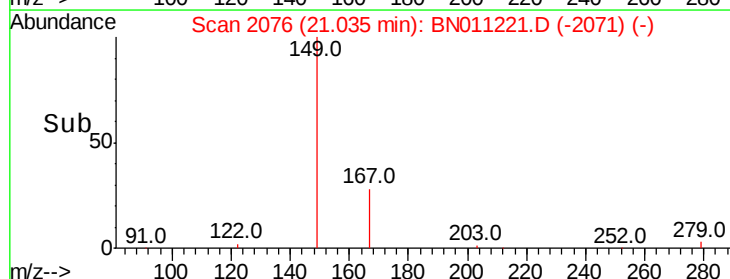
279 5.5 4.5 6.7

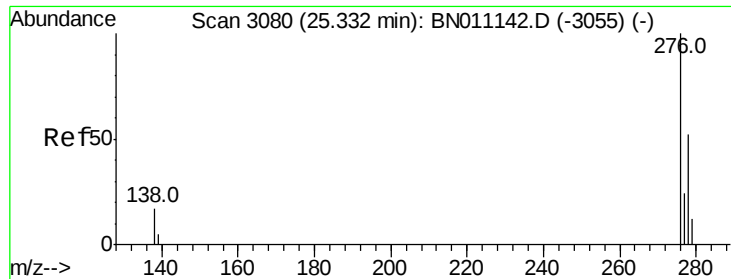


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

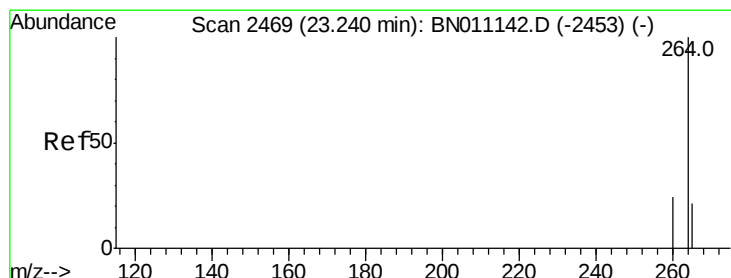
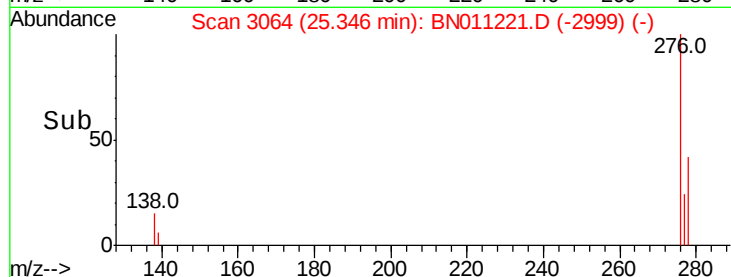
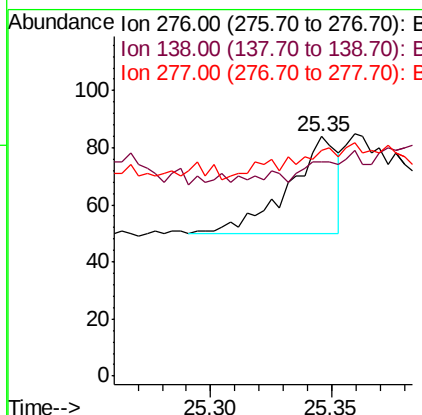
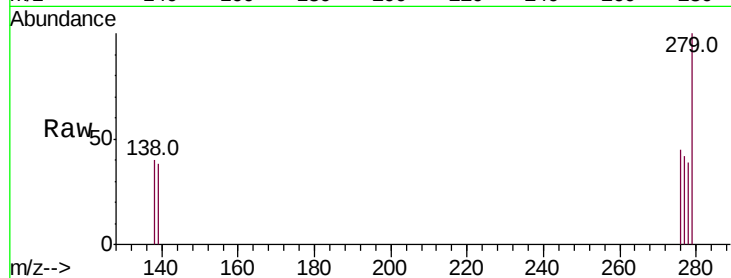




#35
 Indeno(1,2,3-cd)pyrene
 Concen: Below Cal
 RT: 25.35 min Scan# 3064
 Delta R.T. 0.02 min
 Lab File: BN011221.D
 Acq: 21 Jul 2020 16:31

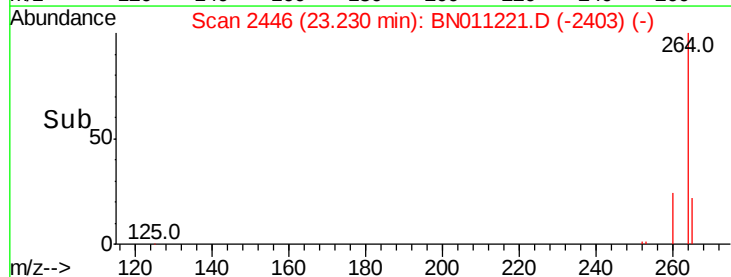
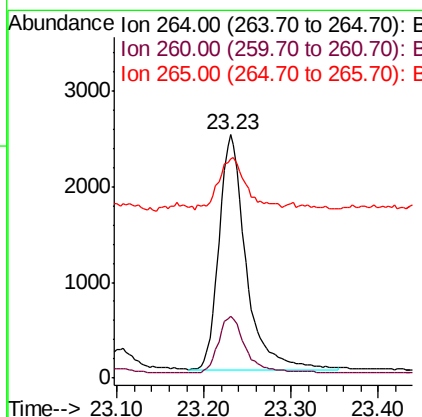
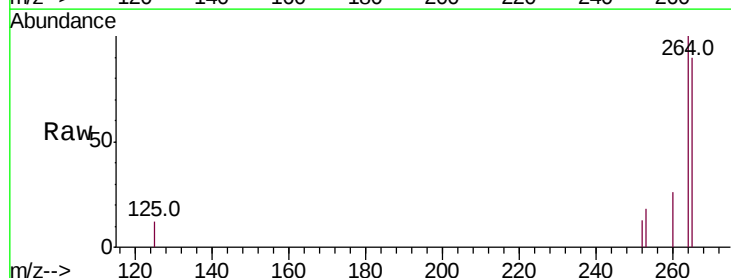
Instrument :
 BNA_N
 ClientSampleId :
 OUTFALL001-200707

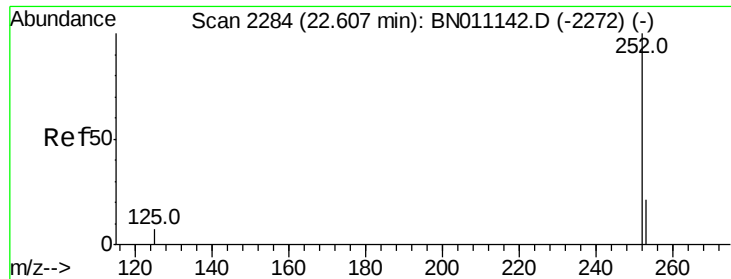
Tot Ion:276 Resp: 48
 Ion Ratio Lower Upper
 276 100
 138 14.6 13.0 19.6
 277 14.6 19.7 29.5#



#36
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.23 min Scan# 2446
 Delta R.T. -0.00 min
 Lab File: BN011221.D
 Acq: 21 Jul 2020 16:31

Tgt Ion:264 Resp: 5298
 Ion Ratio Lower Upper
 264 100
 260 25.6 20.1 30.1
 265 90.3 76.6 115.0





#37
Benzo(b)fluoranthene
Concen: 0.022 ng
RT: 22.63 min Scan# 2270
Delta R.T. 0.02 min
Lab File: BN011221.D
Acq: 21 Jul 2020 16:31

Instrument :
BNA_N
ClientSampleId :
OUTFALL001-200707

Tot Ion: 252 Resp: 460
Ion Ratio Lower Upper
252 100
253 133.0 22.6 34.0#
125 199.0 9.6 14.4#

