

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN070620\
 Data File : BN011098.D
 Acq On : 06 Jul 2020 09:21
 Operator : CG/JU
 Sample : PB129902BL
 Misc : MDL-SOIL-PBBL-04
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB129902BL

Quant Time: Jul 06 10:57:13 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN063020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 06 10:52:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	2492	0.40	ng	0.00
7) Naphthalene-d8	10.27	136	7484	0.40	ng	0.00
13) Acenaphthene-d10	14.14	164	4224	0.40	ng	0.01
19) Phenanthrene-d10	16.91	188	7931	0.40	ng	0.02
29) Chrysene-d12	21.11	240	6723	0.40	ng	0.01
36) Perylene-d12	23.25	264	6519	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.19	112	1755	0.28	ng	0.00
5) Phenol-d6	6.73	99	1730	0.24	ng	0.00
8) Nitrobenzene-d5	8.67	82	2079	0.33	ng	0.01
11) 2-Methylnaphthalene-d10	11.87	152	4699	0.36	ng	0.01
14) 2,4,6-Tribromophenol	15.68	330	356	0.20	ng	0.04
15) 2-Fluorobiphenyl	12.77	172	5228	0.26	ng	0.03
27) Fluoranthene-d10	18.94	212	9564	0.40	ng	0.00
31) Terphenyl-d14	19.55	244	6856	0.39	ng	0.00

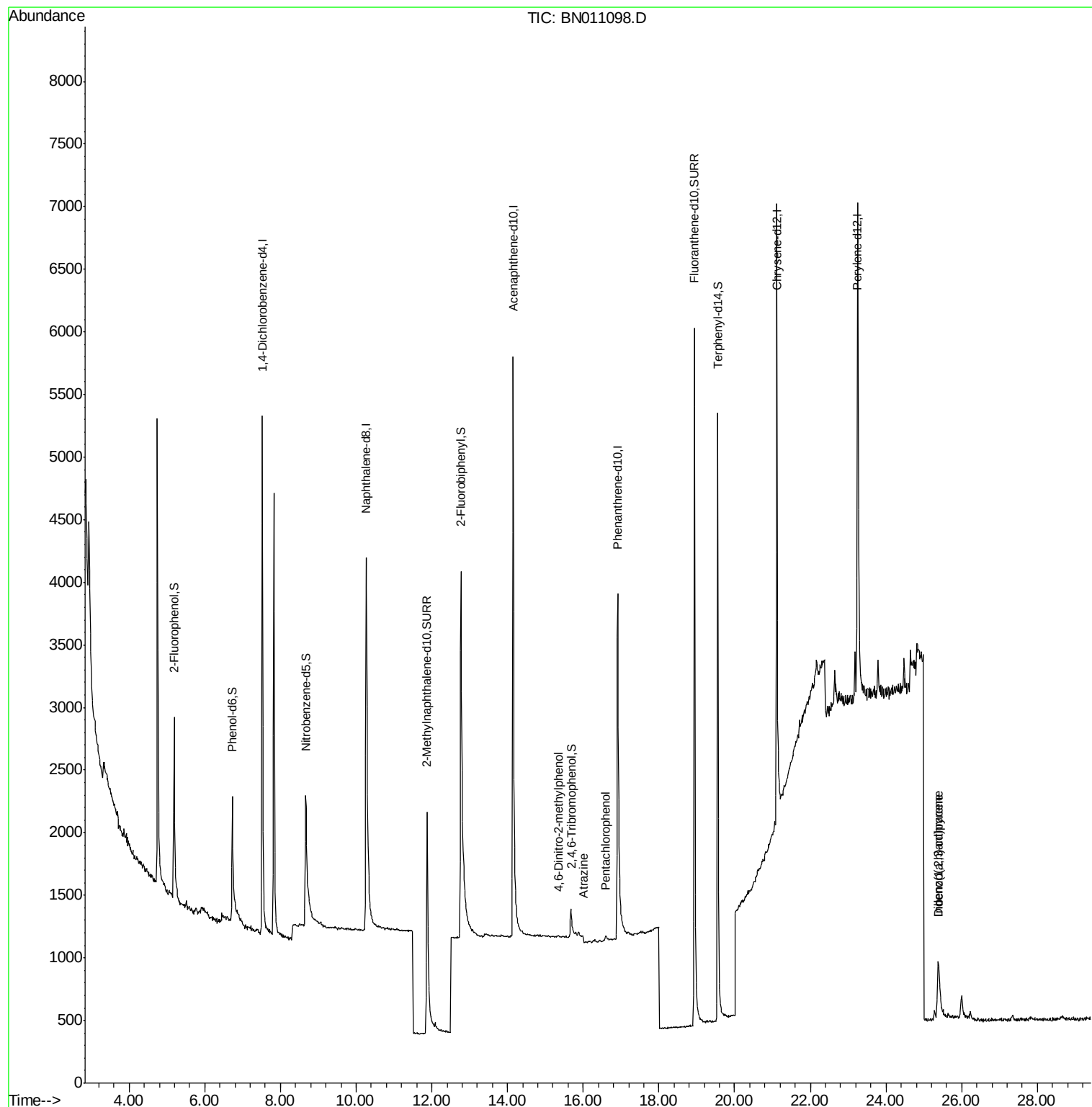
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) 4,6-Dinitro-2-methylphenol	15.35	198	1	0.091	ng	# 36
23) Atrazine	16.01	200	169	0.045	ng	# 10
24) Pentachlorophenol	16.59	266	58	0.035	ng	# 89
35) Indeno(1,2,3-cd)pyrene	25.37	276	785	0.029	ng	# 92
40) Dibenzo(a,h)anthracene	25.39	278	815	0.035	ng	# 5

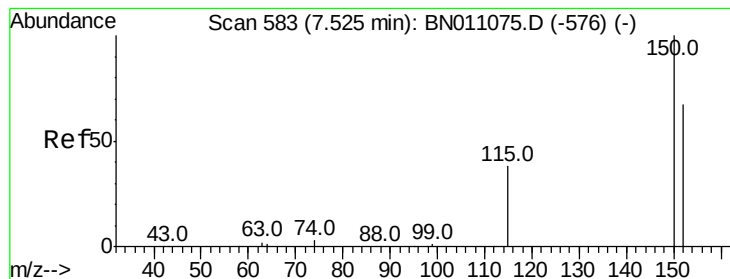
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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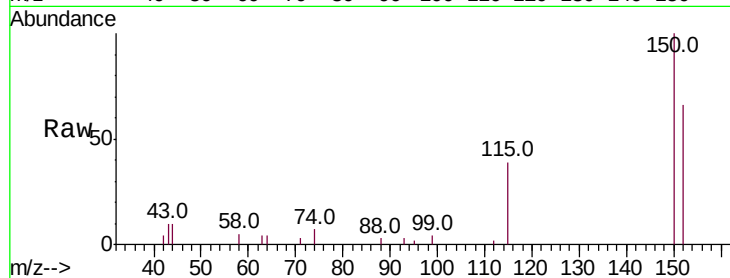


#1

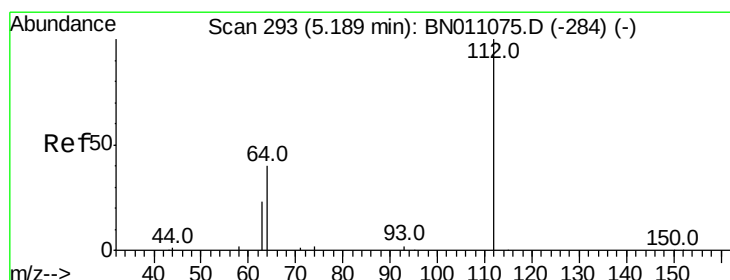
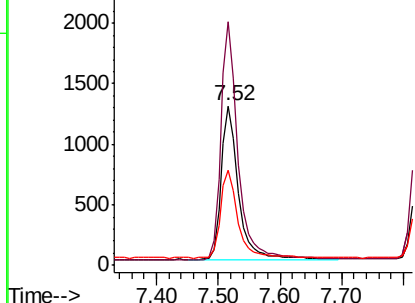
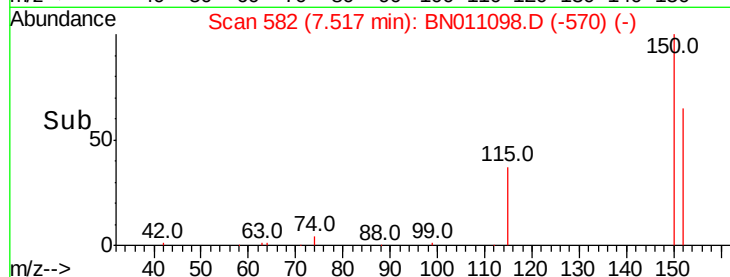
1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.52 min Scan# 582
 Delta R.T. -0.00 min
 Lab File: BN011098.D
 Acq: 06 Jul 2020 09:21

Instrument :
 BNA_N
 ClientSampleId :
 PB129902BL

Tot Ion:152 Resp: 2492
 Ion Ratio Lower Upper
 152 100
 150 152.5 117.4 176.0
 115 59.7 47.9 71.9



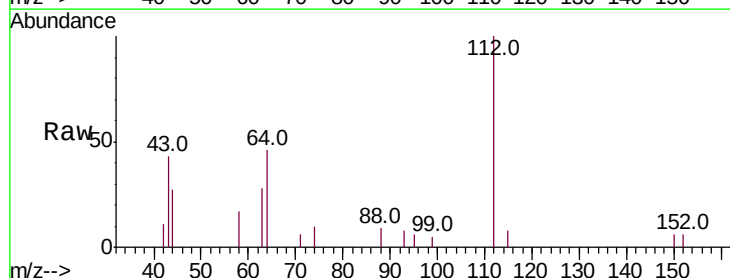
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



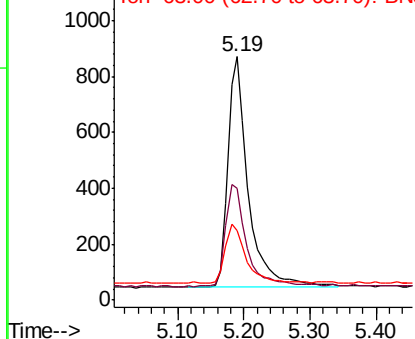
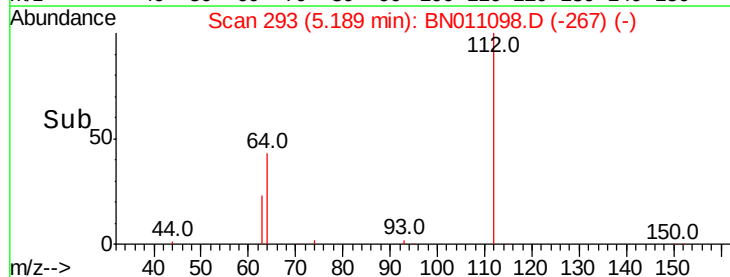
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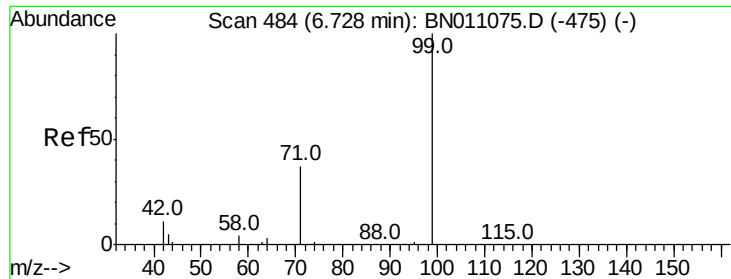
2-Fluorophenol
 Concen: 0.283 ng
 RT: 5.19 min Scan# 293
 Delta R.T. 0.01 min
 Lab File: BN011098.D
 Acq: 06 Jul 2020 09:21

Tgt Ion:112 Resp: 1755
 Ion Ratio Lower Upper
 112 100
 64 45.9 36.5 54.7
 63 26.4 20.6 30.8



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: 0.243 ng

RT: 6.73 min Scan# 484

Delta R.T. 0.01 min

Lab File: BN011098.D

Acq: 06 Jul 2020 09:21

Instrument :

BNA_N

ClientSampleId :

PB129902BL

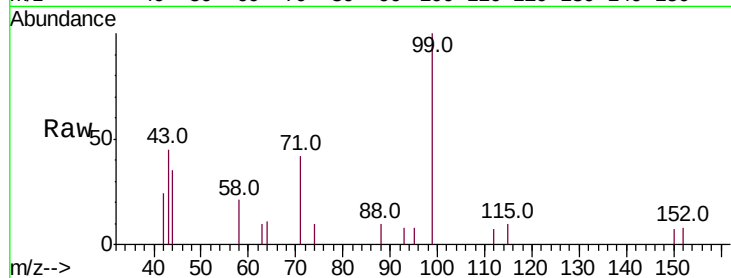
Tot Ion: 99 Resp: 1730

Ion Ratio Lower Upper

99 100

42 13.1 9.8 14.8

71 39.0 30.7 46.1



Abundance Ion 99.00 (98.70 to 99.70): BN011098.D (-471) (-)

Ion 42.00 (41.70 to 42.70): BN011098.D (-471) (-)

Ion 71.00 (70.70 to 71.70): BN011098.D (-471) (-)

6.73

800

600

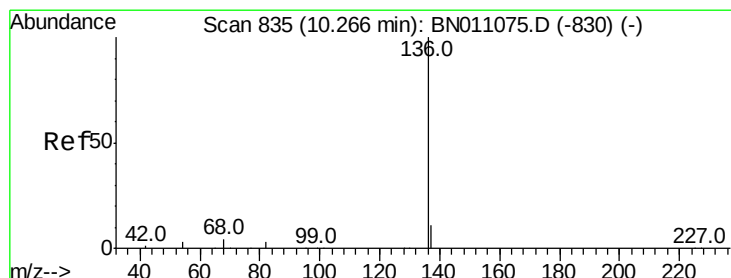
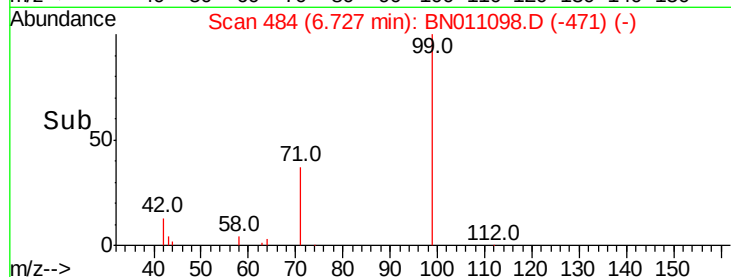
400

200

0

6.60 6.70 6.80 6.90

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.27 min Scan# 835

Delta R.T. -0.00 min

Lab File: BN011098.D

Acq: 06 Jul 2020 09:21

Tgt Ion: 136 Resp: 7484

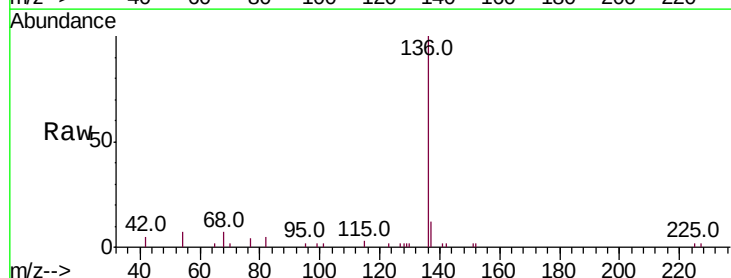
Ion Ratio Lower Upper

136 100

137 12.4 9.6 14.4

54 6.5 3.8 5.6#

68 6.6 4.3 6.5#



Abundance Ion 136.00 (135.70 to 136.70): BN011098.D (-819) (-)

Ion 137.00 (136.70 to 137.70): BN011098.D (-819) (-)

Ion 54.00 (53.70 to 54.70): BN011098.D (-819) (-)

Ion 68.00 (67.70 to 68.70): BN011098.D (-819) (-)

10.27

3000

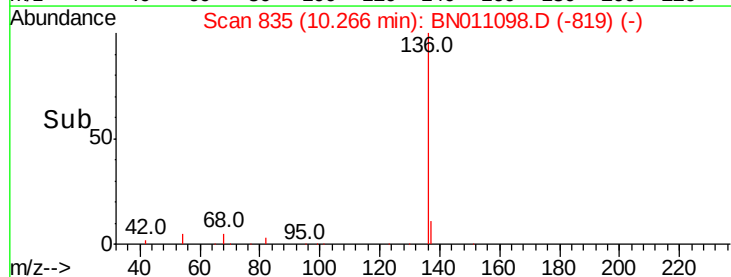
2000

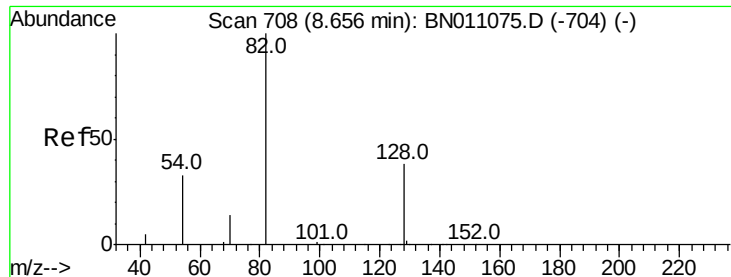
1000

0

10.20 10.40

Time-->





#8

Nitrobenzene-d5

Concen: 0.327 ng

RT: 8.67 min Scan# 709

Delta R.T. 0.01 min

Lab File: BN011098.D

Acq: 06 Jul 2020 09:21

Instrument :

BNA_N

ClientSampleId :

PB129902BL

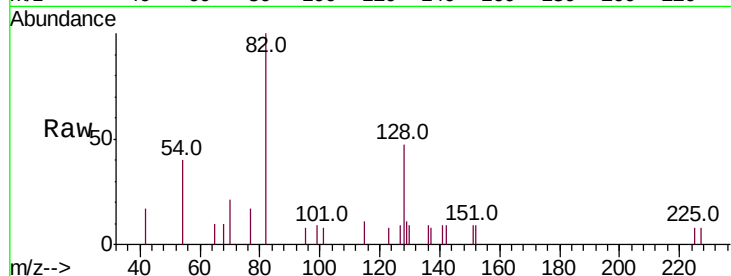
Tot Ion: 82 Resp: 2079

Ion Ratio Lower Upper

82 100

128 47.0 34.2 51.2

54 40.0 29.4 44.0



Abundance Ion 82.00 (81.70 to 82.70): BN011075.D (-704) (-)

Ion 128.00 (127.70 to 128.70): BN011075.D (-704) (-)

Ion 54.00 (53.70 to 54.70): BN011075.D (-704) (-)

8.67

600

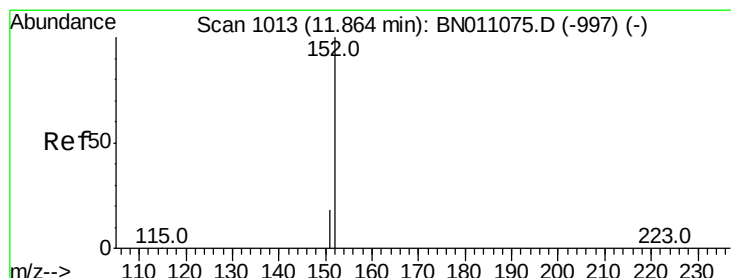
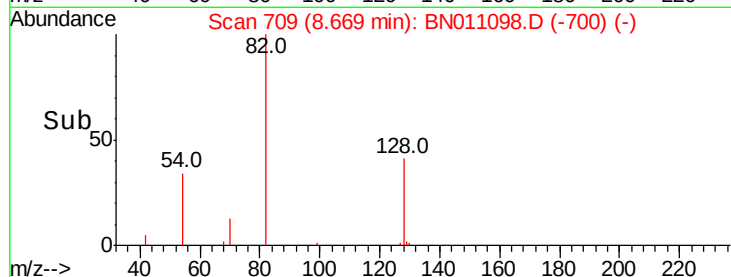
400

200

0

8.50 8.60 8.70 8.80

Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.363 ng

RT: 11.87 min Scan# 1015

Delta R.T. 0.01 min

Lab File: BN011098.D

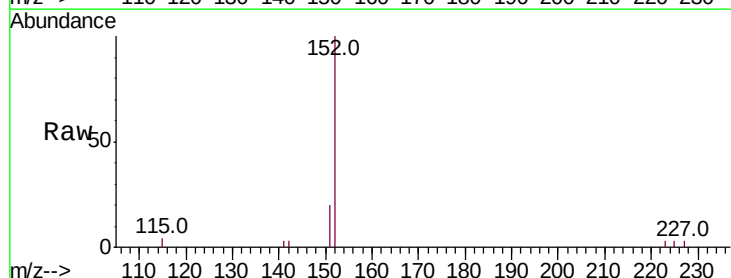
Acq: 06 Jul 2020 09:21

Tgt Ion: 152 Resp: 4699

Ion Ratio Lower Upper

152 100

151 18.7 16.6 24.8



Abundance Ion 152.00 (151.70 to 152.70): BN011075.D (-997) (-)

Ion 151.00 (150.70 to 151.70): BN011075.D (-997) (-)

11.87

1500

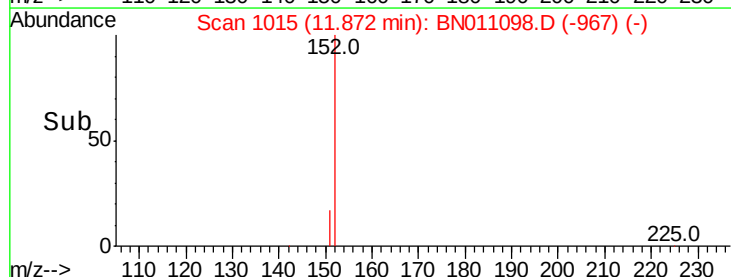
1000

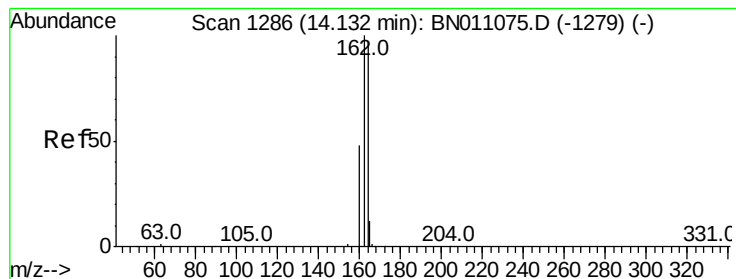
500

0

11.80 11.90 12.00 12.10

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.14 min Scan# 1287

Delta R.T. 0.01 min

Lab File: BN011098.D

Acq: 06 Jul 2020 09:21

Instrument :

BNA_N

ClientSampleId :

PB129902BL

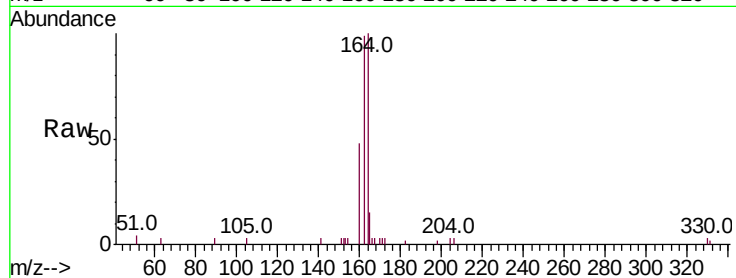
Tot Ion:164 Resp: 4224

Ion Ratio Lower Upper

164 100

162 99.2 82.3 123.5

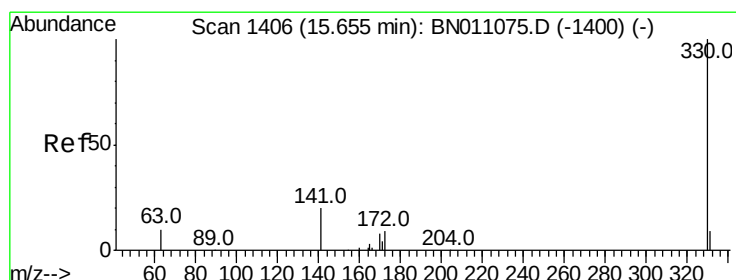
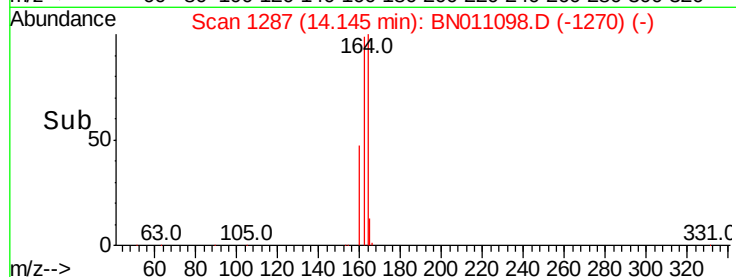
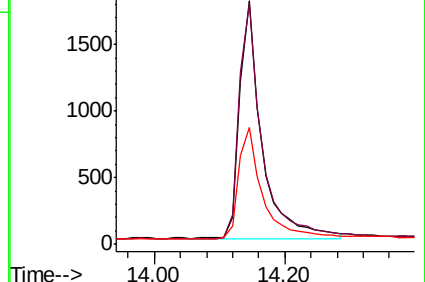
160 48.0 40.6 61.0



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

2,4,6-Tribromophenol

Concen: 0.201 ng

RT: 15.68 min Scan# 1408

Delta R.T. 0.04 min

Lab File: BN011098.D

Acq: 06 Jul 2020 09:21

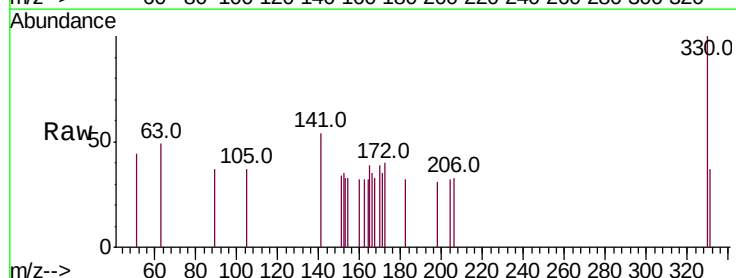
Tgt Ion:330 Resp: 356

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

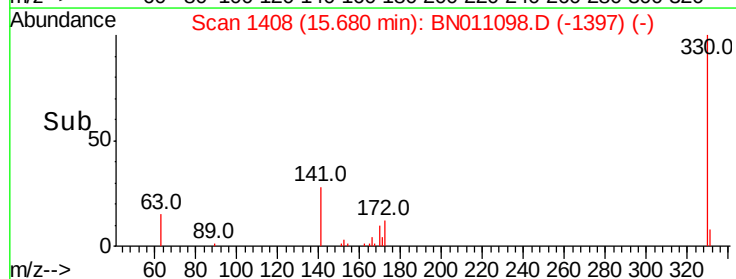
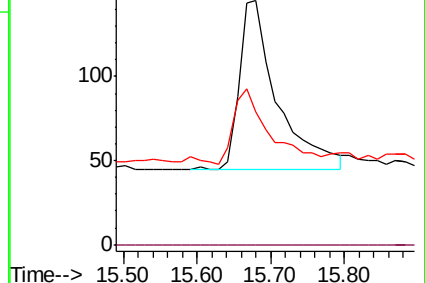
141 42.4 32.6 49.0

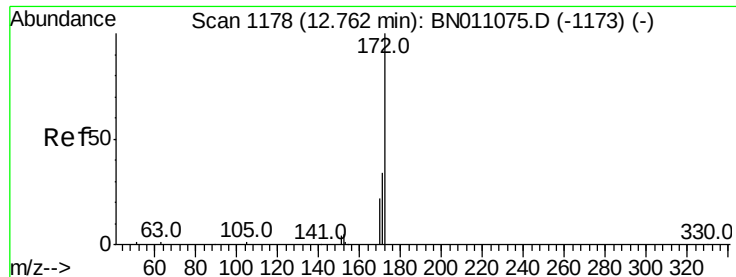


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

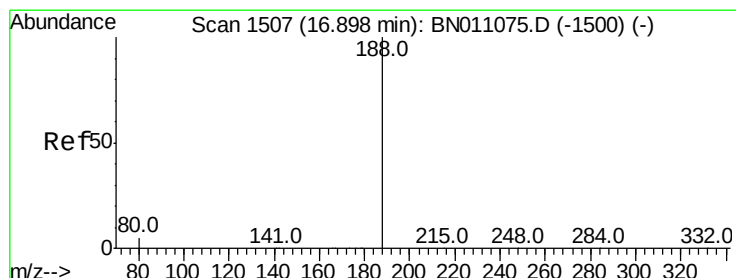
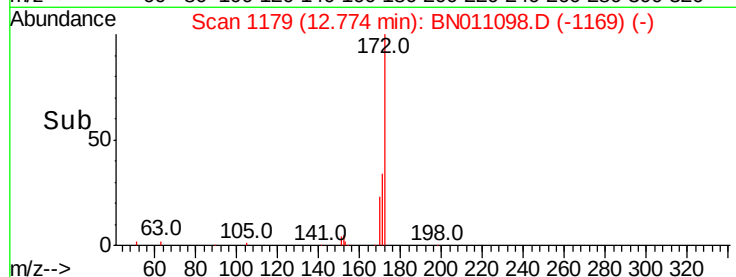
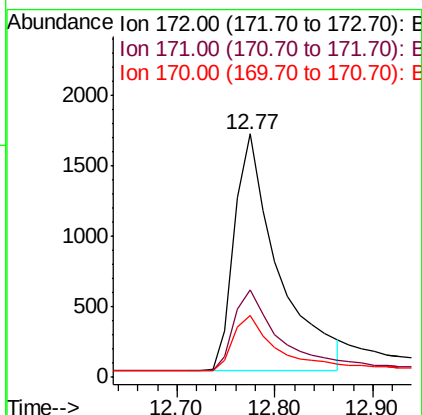
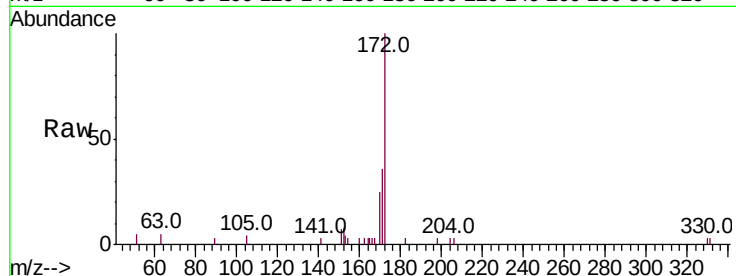




#15
2-Fluorobiphenyl
Concen: 0.263 ng
RT: 12.77 min Scan# 1179
Delta R.T. 0.03 min
Lab File: BN011098.D
Acq: 06 Jul 2020 09:21

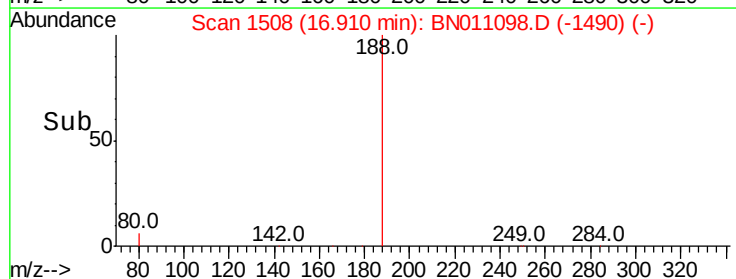
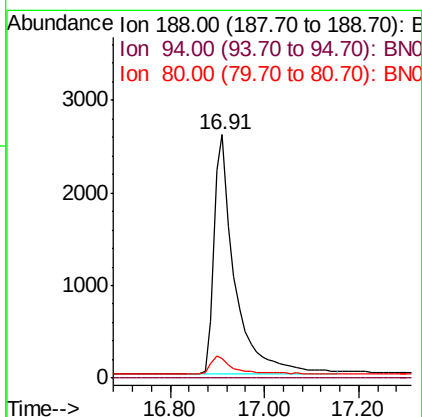
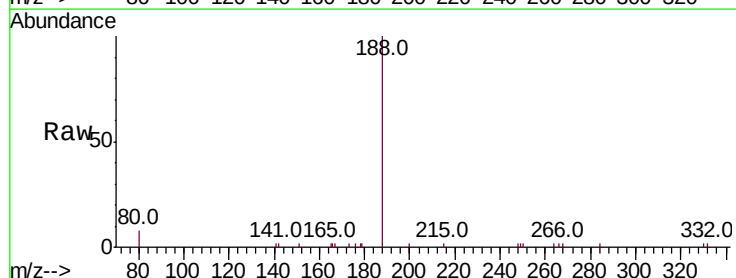
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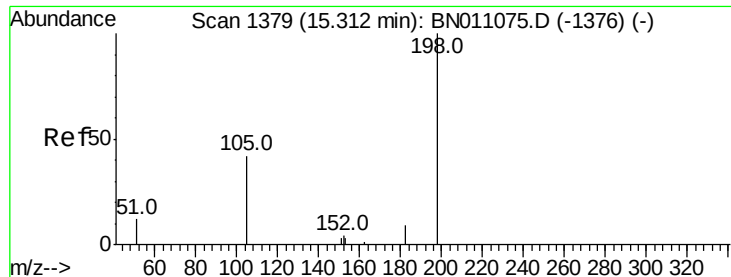
Tot Ion:172 Resp: 5228
Ion Ratio Lower Upper
172 100
171 36.1 27.9 41.9
170 25.2 18.7 28.1



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.91 min Scan# 1508
Delta R.T. 0.02 min
Lab File: BN011098.D
Acq: 06 Jul 2020 09:21

Tgt Ion:188 Resp: 7931
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 7.9 5.3 7.9

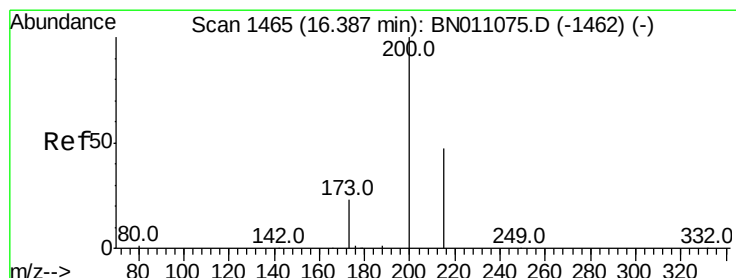
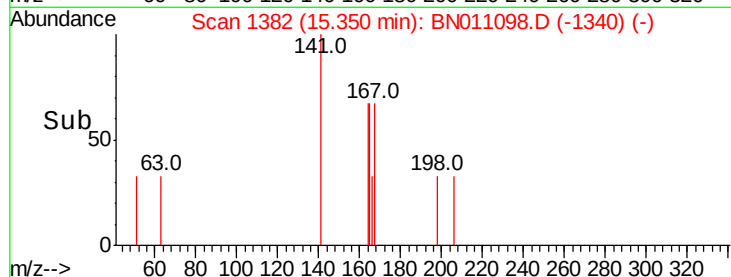
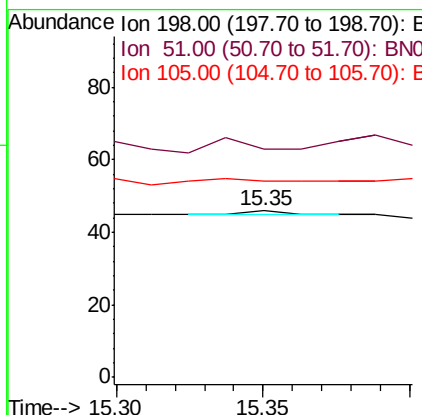
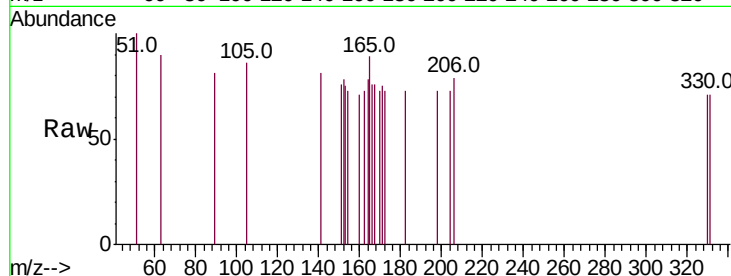




#20
4,6-Dinitro-2-methylphenol
Concen: 0.091 ng
RT: 15.35 min Scan# 1382
Delta R.T. 0.04 min
Lab File: BN011098.D
Acq: 06 Jul 2020 09:21

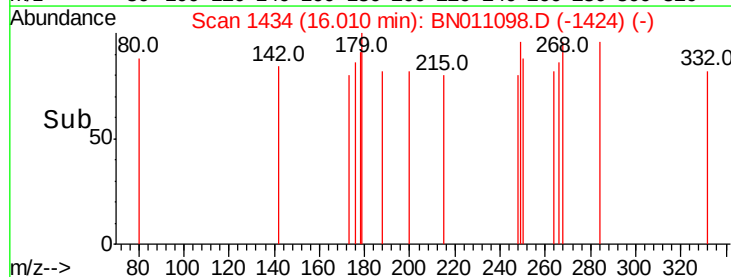
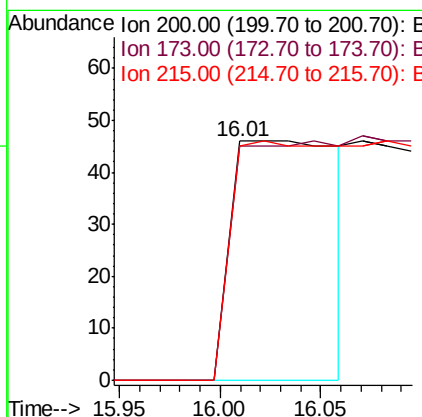
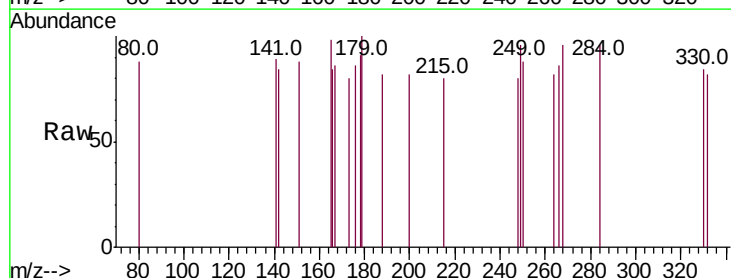
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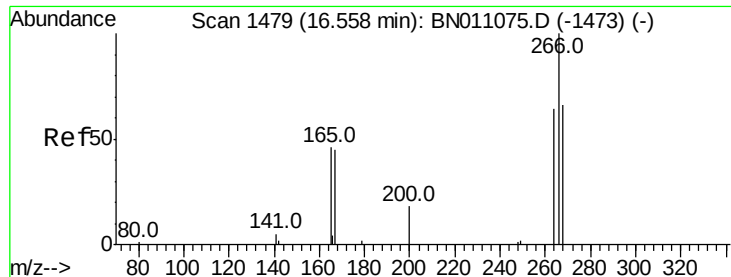
Tot Ion:198 Resp: 1
Ion Ratio Lower Upper
198 100
51 137.0 58.2 87.4#
105 117.4 59.0 88.4#



#23
Atrazine
Concen: 0.045 ng
RT: 16.01 min Scan# 1434
Delta R.T. -0.38 min
Lab File: BN011098.D
Acq: 06 Jul 2020 09:21

Tgt Ion:200 Resp: 169
Ion Ratio Lower Upper
200 100
173 97.8 22.8 34.2#
215 97.8 40.7 61.1#

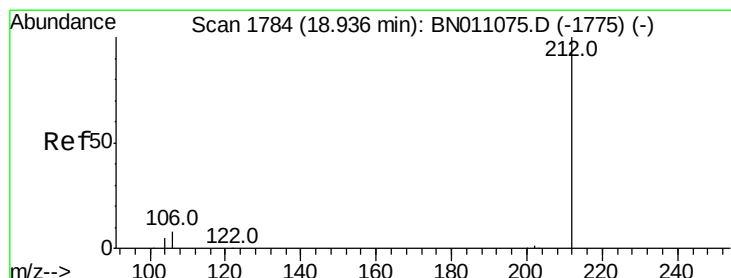
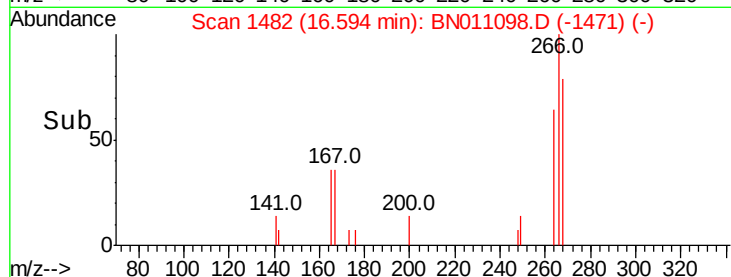
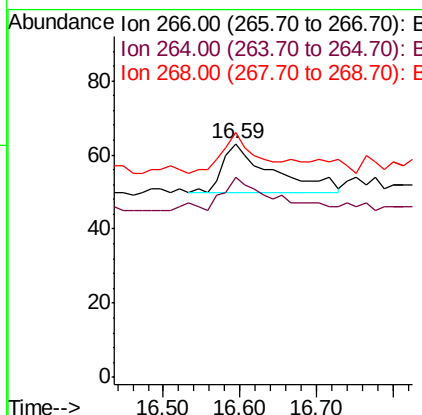
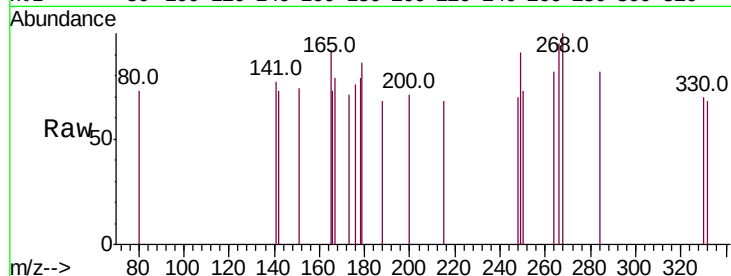




#24
 Pentachlorophenol
 Concen: 0.035 ng
 RT: 16.59 min Scan# 1482
 Delta R.T. 0.04 min
 Lab File: BN011098.D
 Acq: 06 Jul 2020 09:21

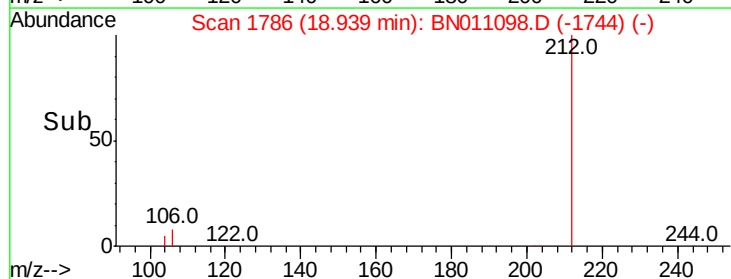
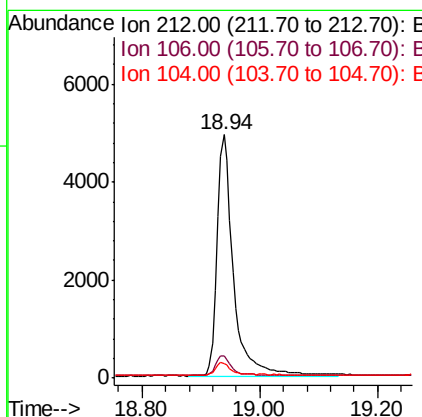
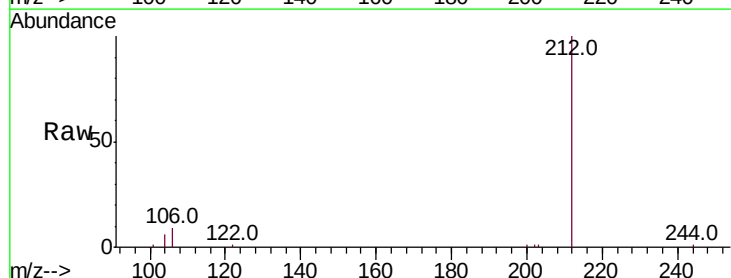
Instrument :
 BNA_N
 ClientSampleId :
 PB129902BL

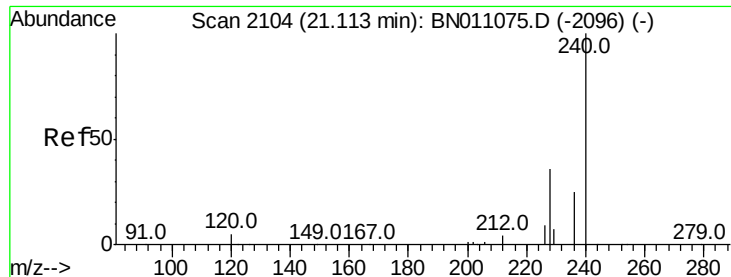
Tot Ion:266 Resp: 58
 Ion Ratio Lower Upper
 266 100
 264 65.5 47.4 71.0
 268 58.6 55.0 82.4



#27
 Fluoranthene-d10
 Concen: 0.399 ng
 RT: 18.94 min Scan# 1786
 Delta R.T. 0.01 min
 Lab File: BN011098.D
 Acq: 06 Jul 2020 09:21

Tgt Ion:212 Resp: 9564
 Ion Ratio Lower Upper
 212 100
 106 8.5 7.1 10.7
 104 5.0 4.2 6.4





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.11 min Scan# 2105

Delta R.T. 0.01 min

Lab File: BN011098.D

Acq: 06 Jul 2020 09:21

Instrument :

BNA_N

ClientSampleId :

PB129902BL

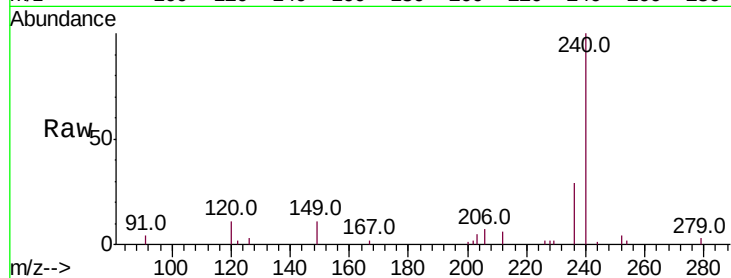
Tot Ion:240 Resp: 6723

Ion Ratio Lower Upper

240 100

120 10.5 6.5 9.7#

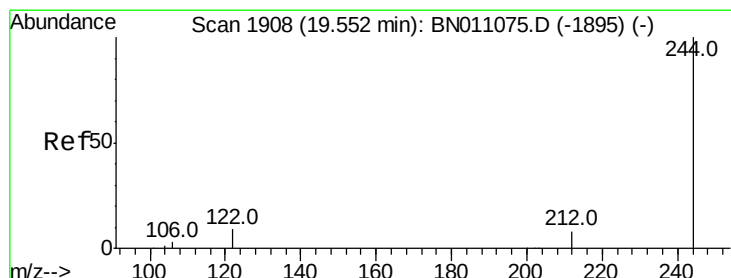
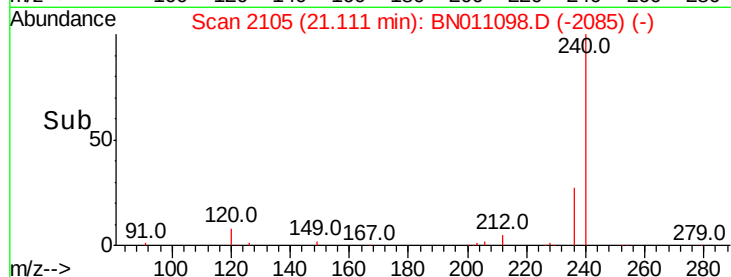
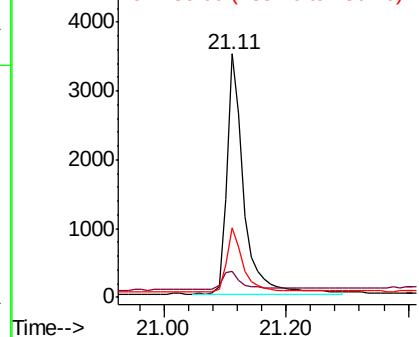
236 28.6 21.9 32.9



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: 0.392 ng

RT: 19.55 min Scan# 1910

Delta R.T. 0.00 min

Lab File: BN011098.D

Acq: 06 Jul 2020 09:21

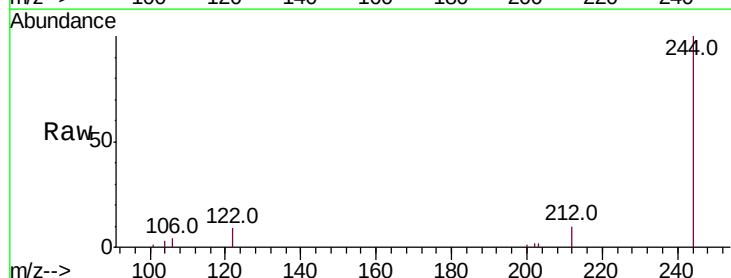
Tgt Ion:244 Resp: 6856

Ion Ratio Lower Upper

244 100

212 9.8 7.5 11.3

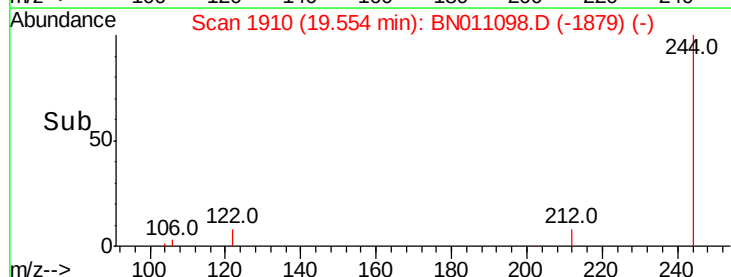
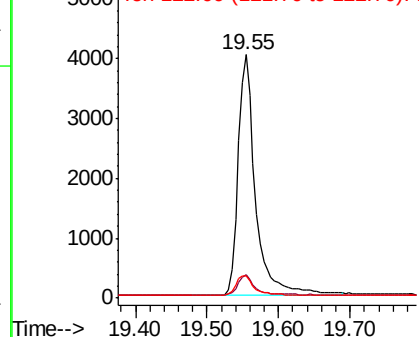
122 9.0 8.2 12.4

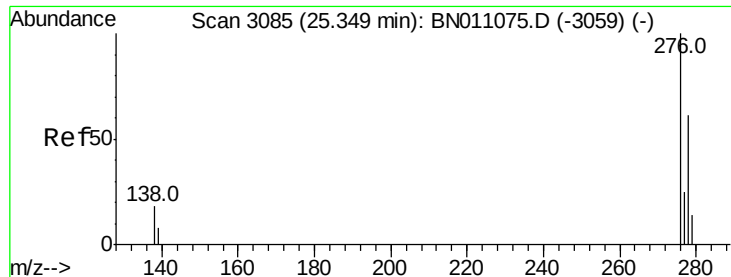


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#35

Indeno(1,2,3-cd)pyrene

Concen: 0.029 ng

RT: 25.37 min Scan# 3094

Delta R.T. 0.03 min

Lab File: BN011098.D

Acq: 06 Jul 2020 09:21

Instrument :

BNA_N

ClientSampleId :

PB129902BL

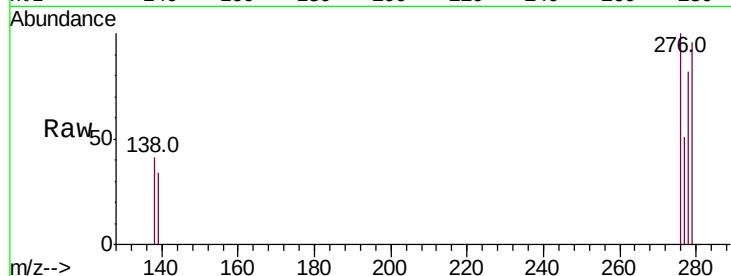
Tot Ion:276 Resp: 785

Ion Ratio Lower Upper

276 100

138 14.6 15.4 23.0#

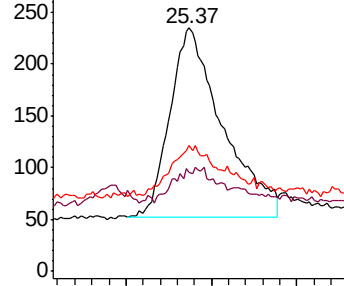
277 20.6 19.4 29.0



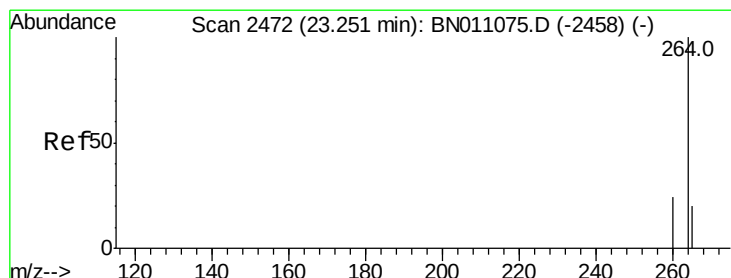
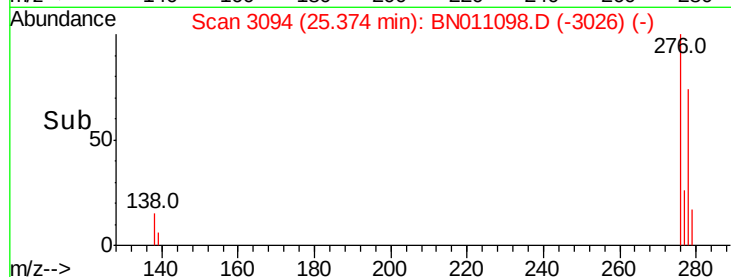
Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



Time-->



#36

Perylene-d12

Concen: 0.400 ng

RT: 23.25 min Scan# 2474

Delta R.T. 0.01 min

Lab File: BN011098.D

Acq: 06 Jul 2020 09:21

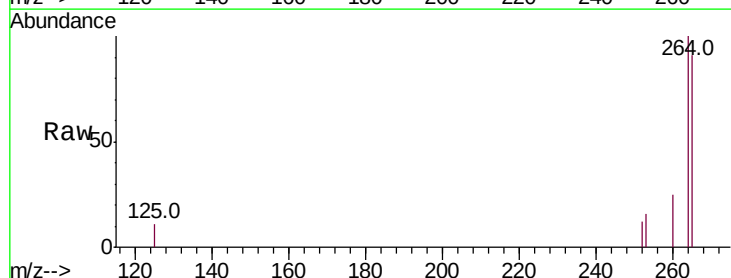
Tgt Ion:264 Resp: 6519

Ion Ratio Lower Upper

264 100

260 25.0 20.4 30.6

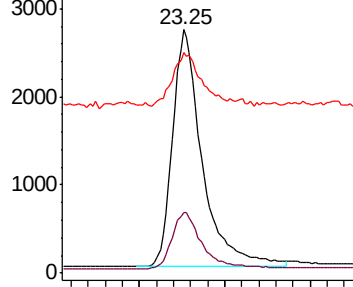
265 90.6 83.0 124.6



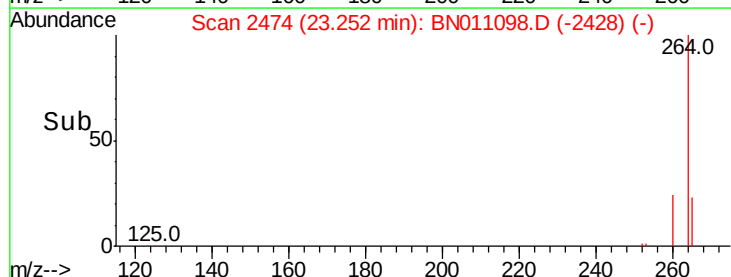
Abundance Ion 264.00 (263.70 to 264.70): E

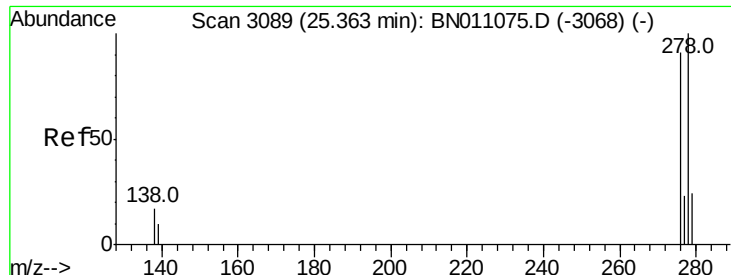
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



Time-->





#40

Dibenzo(a,h)anthracene

Concen: 0.035 ng

RT: 25.39 min Scan# 3098

Delta R.T. 0.03 min

Lab File: BN011098.D

Acq: 06 Jul 2020 09:21

Instrument :

BNA_N

ClientSampleId :

PB129902BL

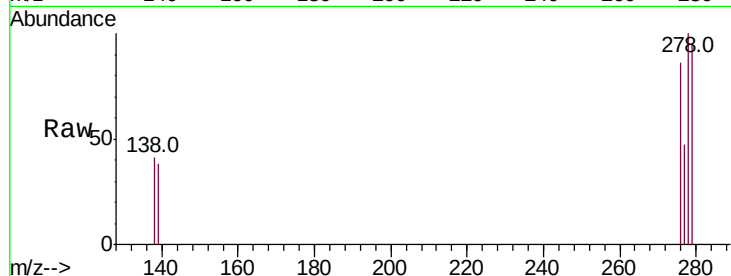
Tot Ion:278 Resp: 815

Ion Ratio Lower Upper

278 100

139 38.4 11.9 17.9#

279 94.9 25.5 38.3#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

