

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070720\
 Data File : BN011111.D
 Acq On : 07 Jul 2020 10:49
 Operator : CG/JU
 Sample : PB129931BL
 Misc : MDL-SOIL-PBBL-07
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB129931BL

Quant Time: Jul 07 11:28:21 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN063020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 07 10:47:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	1902	0.40	ng	0.00
7) Naphthalene-d8	10.28	136	5550	0.40	ng	0.03
13) Acenaphthene-d10	14.14	164	3017	0.40	ng	0.01
19) Phenanthrene-d10	16.91	188	6035	0.40	ng	0.02
29) Chrysene-d12	21.11	240	5237	0.40	ng	0.01
36) Perylene-d12	23.25	264	5311	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.18	112	1260	0.27	ng	0.00
5) Phenol-d6	6.73	99	1158	0.21	ng	0.00
8) Nitrobenzene-d5	8.68	82	1577	0.33	ng	0.03
11) 2-Methylnaphthalene-d10	11.88	152	3471	0.36	ng	0.02
14) 2,4,6-Tribromophenol	15.68	330	274	0.22	ng	0.04
15) 2-Fluorobiphenyl	12.77	172	3711	0.26	ng	0.03
27) Fluoranthene-d10	18.94	212	7677	0.42	ng	0.00
31) Terphenyl-d14	19.55	244	5224	0.38	ng	0.00

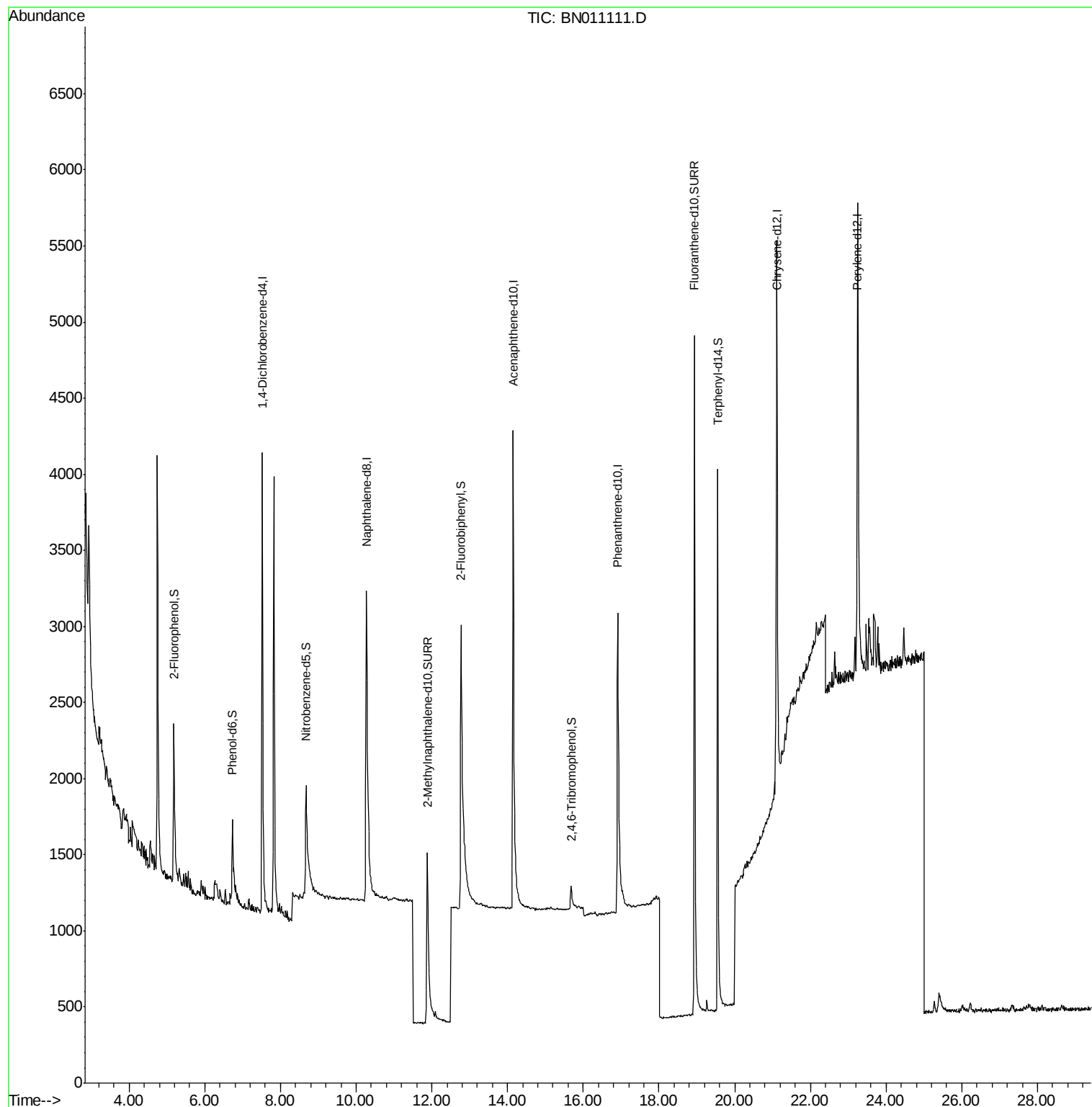
Target Compounds	Qvalue
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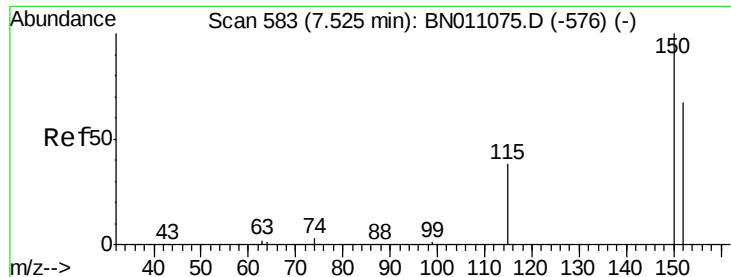
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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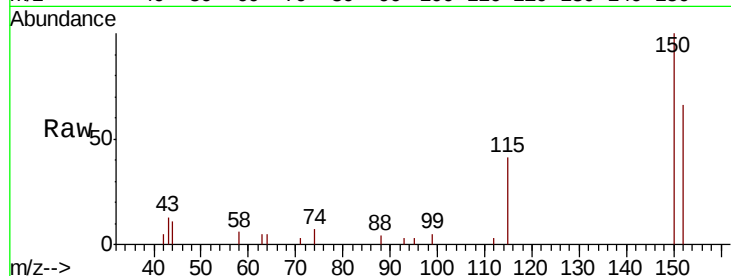


#1

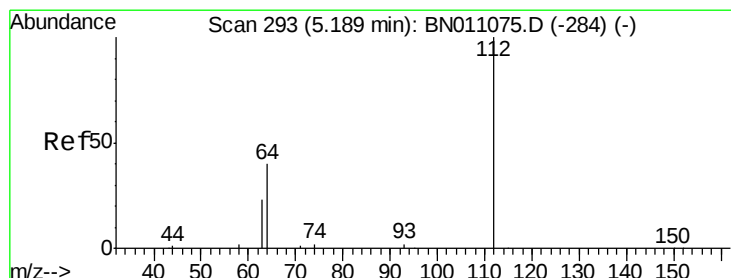
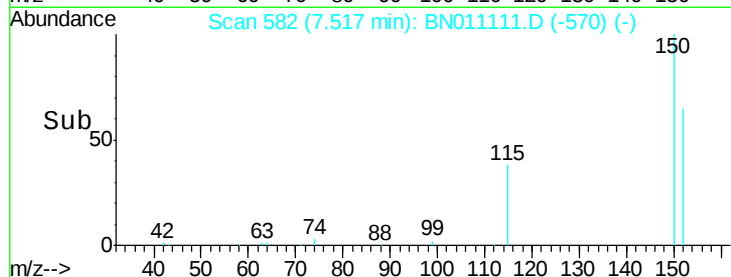
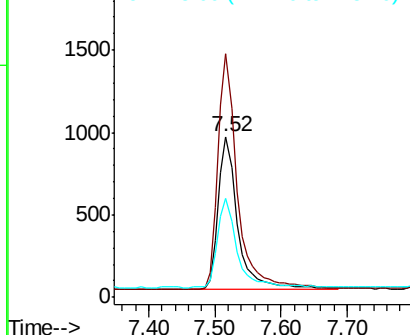
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.52 min Scan# 582
Delta R.T. -0.00 min
Lab File: BN011111.D
Acq: 07 Jul 2020 10:49

Instrument :
BNA_N
ClientSampleId :
PB129931BL

Tot Ion:152 Resp: 1902
Ion Ratio Lower Upper
152 100
150 151.5 117.4 176.0
115 61.7 47.9 71.9



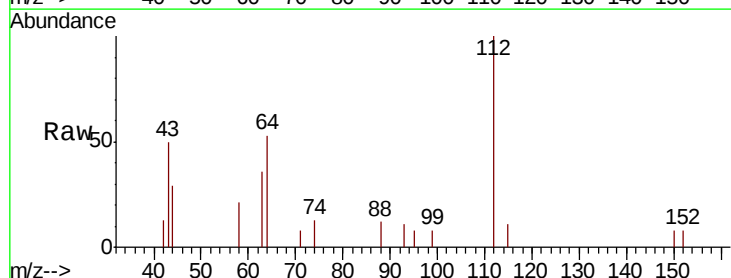
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



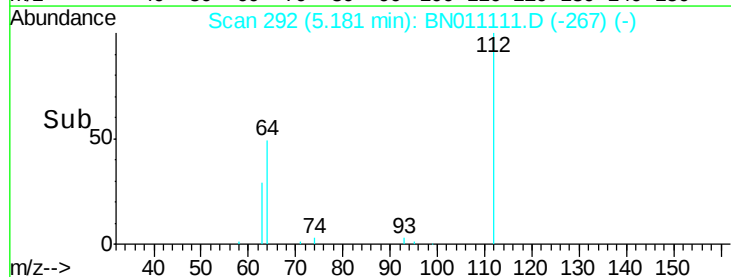
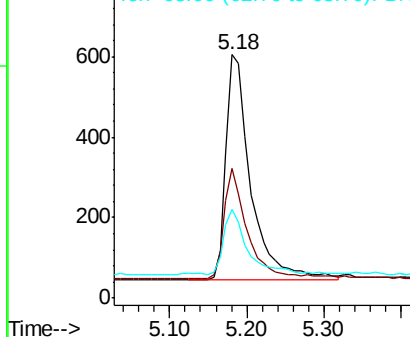
#4

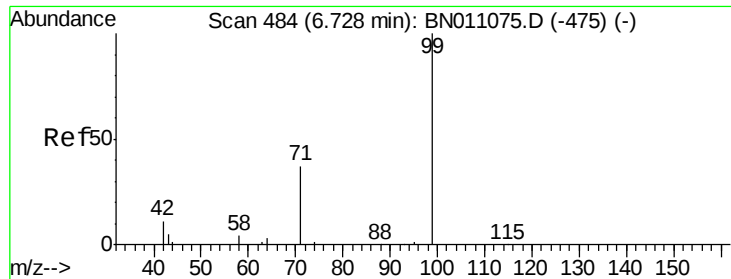
2-Fluorophenol
Concen: 0.266 ng
RT: 5.18 min Scan# 292
Delta R.T. -0.00 min
Lab File: BN011111.D
Acq: 07 Jul 2020 10:49

Tgt Ion:112 Resp: 1260
Ion Ratio Lower Upper
112 100
64 46.9 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: 0.213 ng

RT: 6.73 min Scan# 484

Delta R.T. 0.01 min

Lab File: BN011111.D

Acq: 07 Jul 2020 10:49

Instrument :

BNA_N

ClientSampleId :

PB129931BL

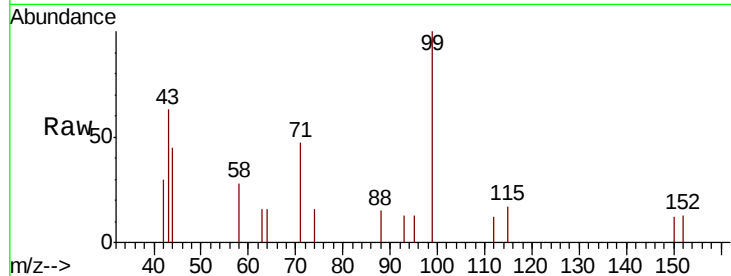
Tot Ion: 99 Resp: 1158

Ion Ratio Lower Upper

99 100

42 11.8 9.8 14.8

71 42.3 30.7 46.1



Abundance Ion 99.00 (98.70 to 99.70): BN011111.D (-471) (-)

Ion 42.00 (41.70 to 42.70): BN011111.D (-471) (-)

Ion 71.00 (70.70 to 71.70): BN011111.D (-471) (-)

6.73

400

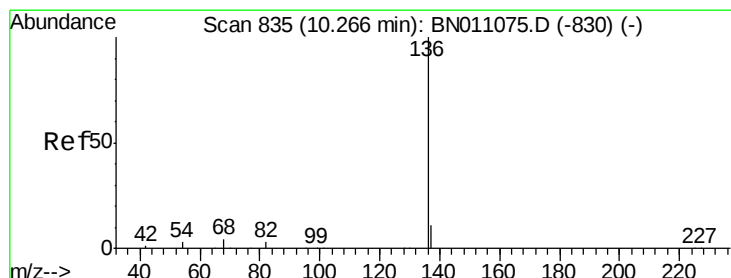
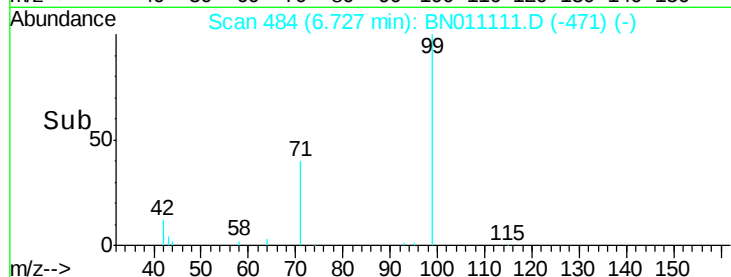
300

200

100

0

Time--> 6.60 6.70 6.80 6.90



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.28 min Scan# 836

Delta R.T. 0.03 min

Lab File: BN011111.D

Acq: 07 Jul 2020 10:49

Tgt Ion: 136 Resp: 5550

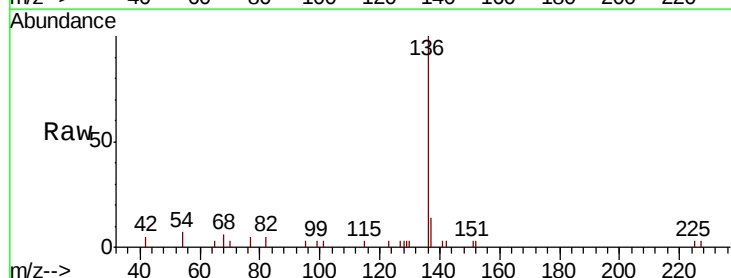
Ion Ratio Lower Upper

136 100

137 13.7 9.6 14.4

54 6.6 3.8 5.6#

68 6.3 4.3 6.5



Abundance Ion 136.00 (135.70 to 136.70): BN011111.D (-818) (-)

Ion 137.00 (136.70 to 137.70): BN011111.D (-818) (-)

Ion 54.00 (53.70 to 54.70): BN011111.D (-818) (-)

Ion 68.00 (67.70 to 68.70): BN011111.D (-818) (-)

10.28

2500

2000

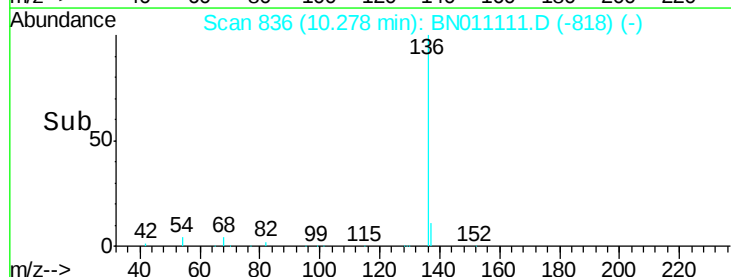
1500

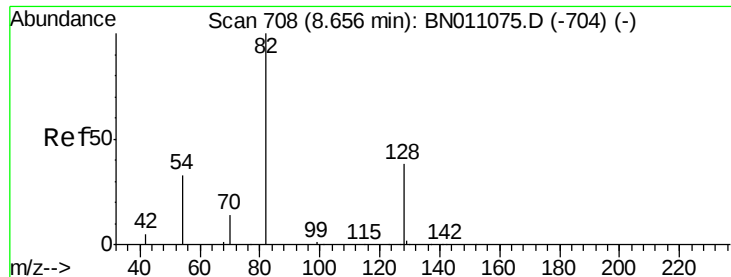
1000

500

0

Time--> 10.10 10.20 10.30 10.40





#8

Nitrobenzene-d5

Concen: 0.334 ng

RT: 8.68 min Scan# 710

Delta R.T. 0.03 min

Lab File: BN011111.D

Acq: 07 Jul 2020 10:49

Instrument :

BNA_N

ClientSampleId :

PB129931BL

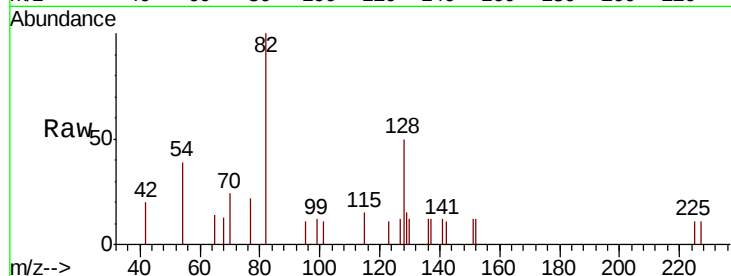
Tot Ion: 82 Resp: 1577

Ion Ratio Lower Upper

82 100

128 49.8 34.2 51.2

54 39.4 29.4 44.0



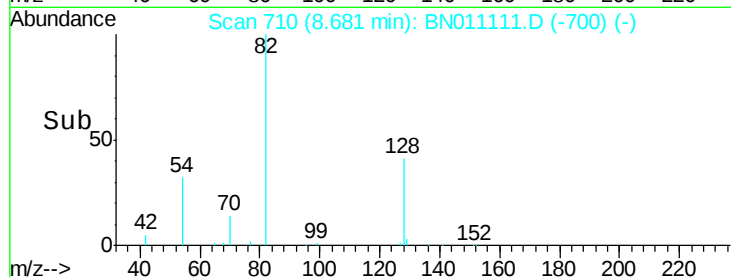
Abundance Ion 82.00 (81.70 to 82.70): BN011111.D (-700) (-)

Ion 128.00 (127.70 to 128.70): BN011111.D (-700) (-)

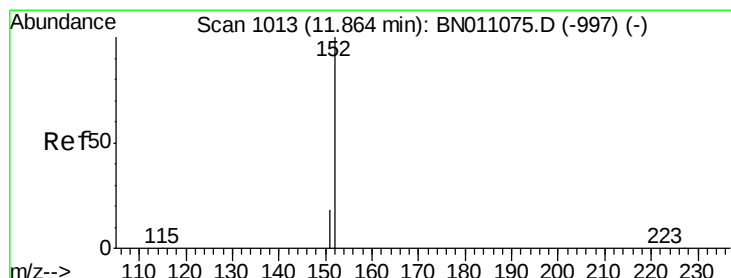
Ion 54.00 (53.70 to 54.70): BN011111.D (-700) (-)

8.68

Time-->



Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.361 ng

RT: 11.88 min Scan# 1016

Delta R.T. 0.02 min

Lab File: BN011111.D

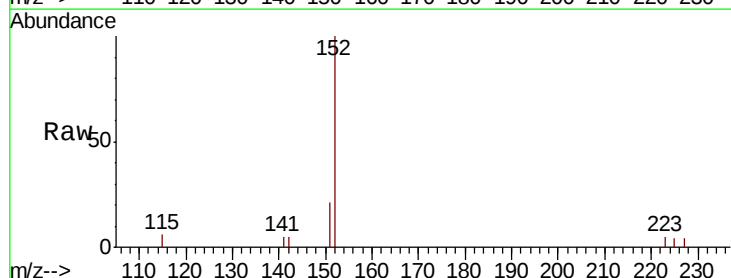
Acq: 07 Jul 2020 10:49

Tgt Ion: 152 Resp: 3471

Ion Ratio Lower Upper

152 100

151 18.2 16.6 24.8

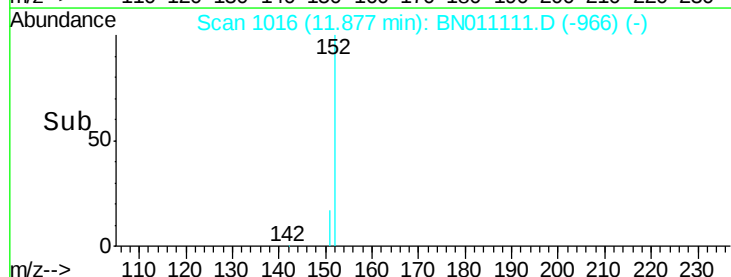


Abundance Ion 152.00 (151.70 to 152.70): BN011111.D (-966) (-)

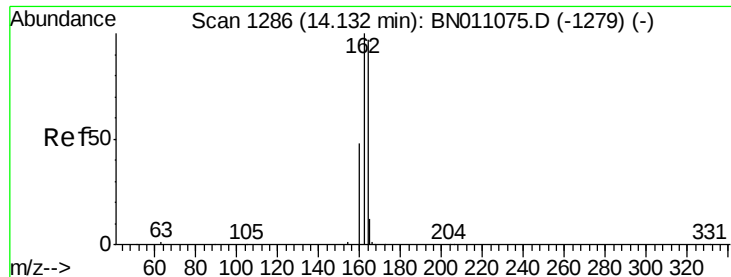
Ion 151.00 (150.70 to 151.70): BN011111.D (-966) (-)

11.88

Time-->



Time-->



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.14 min Scan# 1287

Delta R.T. 0.01 min

Lab File: BN011111.D

Acq: 07 Jul 2020 10:49

Instrument :

BNA_N

ClientSampleId :

PB129931BL

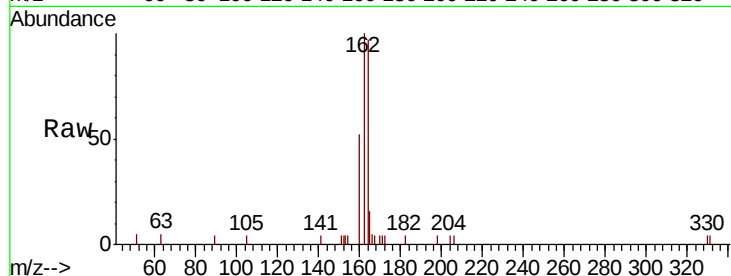
Tot Ion:164 Resp: 3017

Ion Ratio Lower Upper

164 100

162 103.1 82.3 123.5

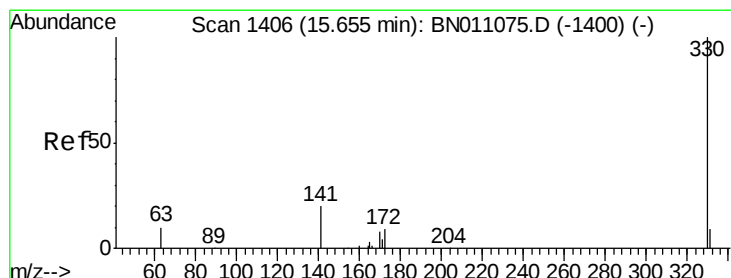
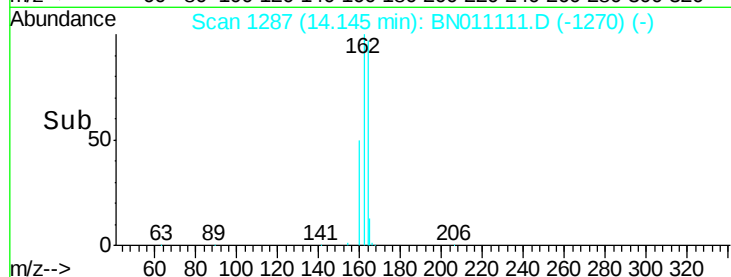
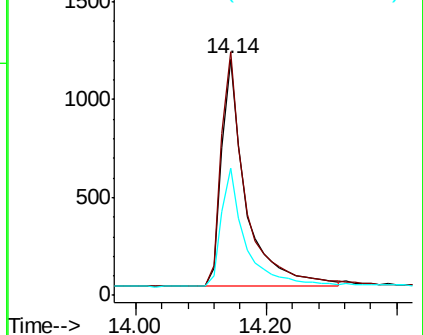
160 53.7 40.6 61.0



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: 0.216 ng

RT: 15.68 min Scan# 1408

Delta R.T. 0.04 min

Lab File: BN011111.D

Acq: 07 Jul 2020 10:49

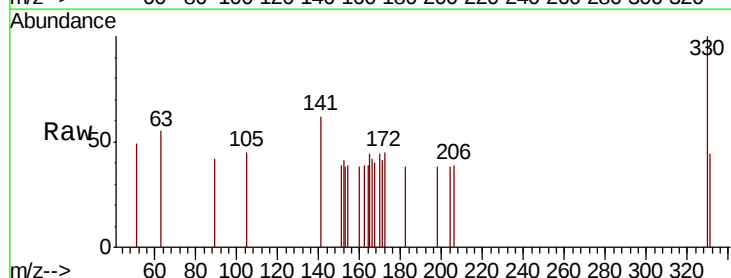
Tgt Ion:330 Resp: 274

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

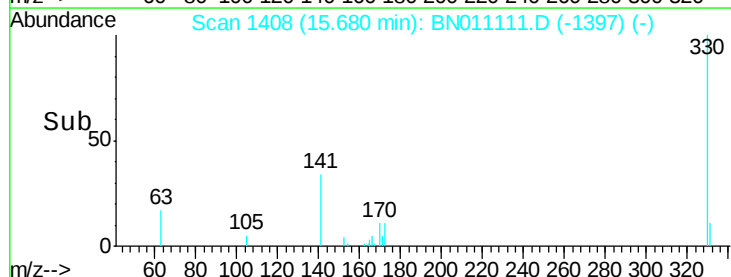
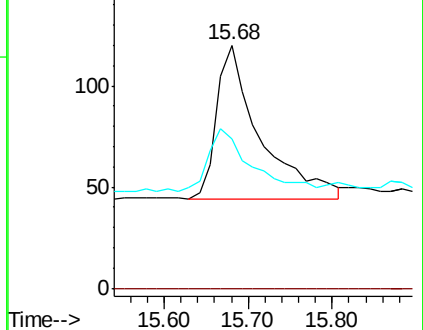
141 39.4 32.6 49.0

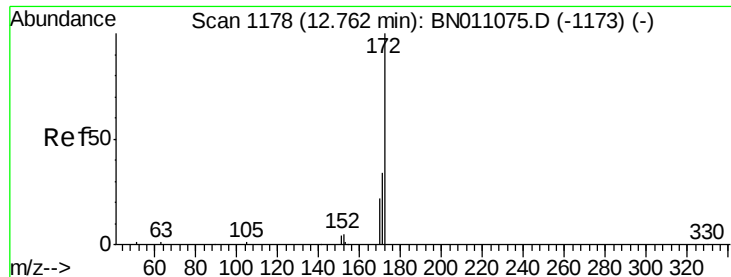


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

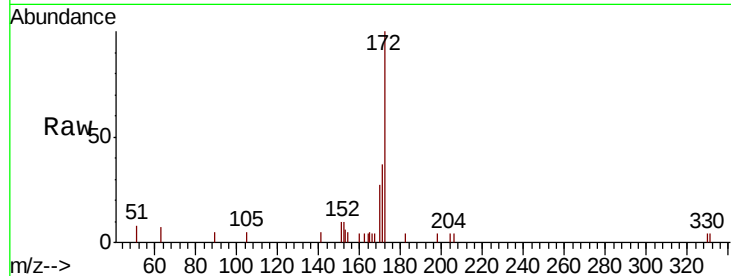




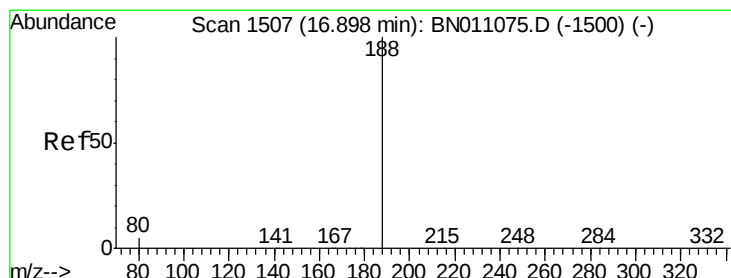
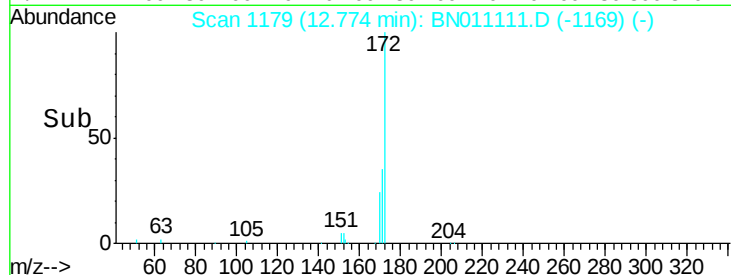
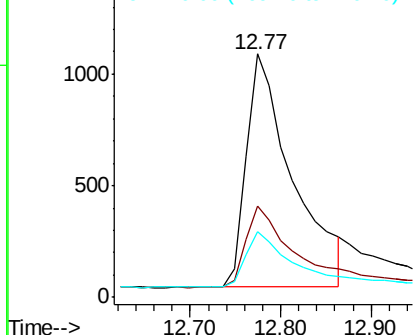
#15
2-Fluorobiphenyl
Concen: 0.261 ng
RT: 12.77 min Scan# 1179
Delta R.T. 0.03 min
Lab File: BN011111.D
Acq: 07 Jul 2020 10:49

Instrument :
BNA_N
ClientSampleId :
PB129931BL

Tot Ion:172 Resp: 3711
Ion Ratio Lower Upper
172 100
171 37.4 27.9 41.9
170 26.9 18.7 28.1

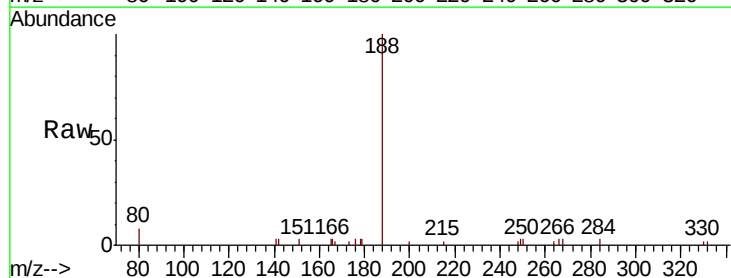


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

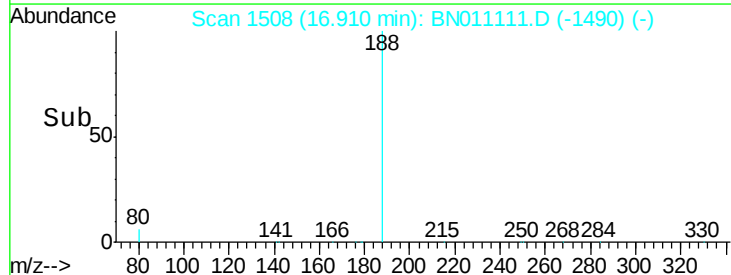
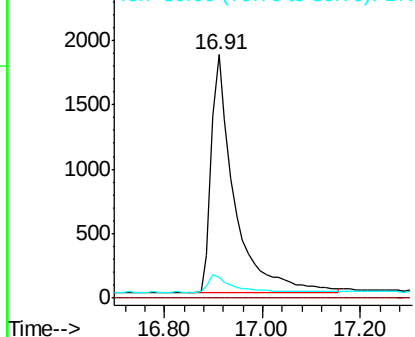


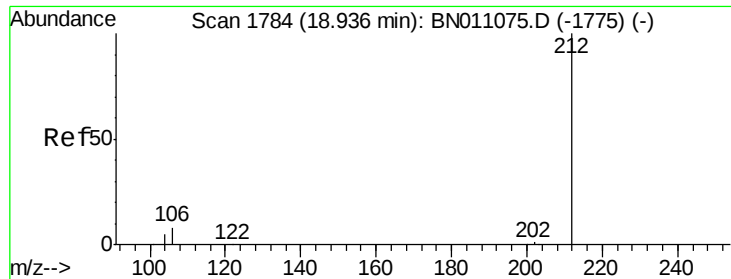
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.91 min Scan# 1508
Delta R.T. 0.02 min
Lab File: BN011111.D
Acq: 07 Jul 2020 10:49

Tgt Ion:188 Resp: 6035
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.5 5.3 7.9#



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

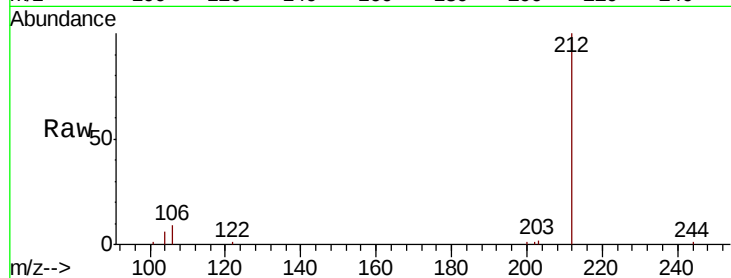




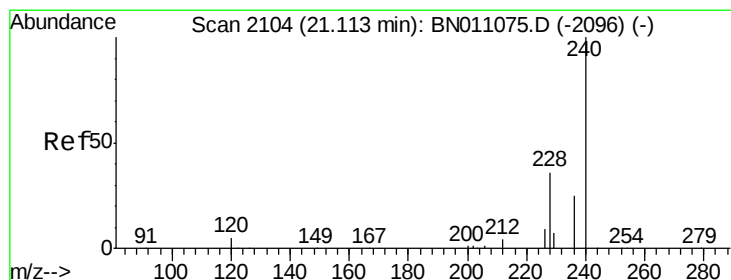
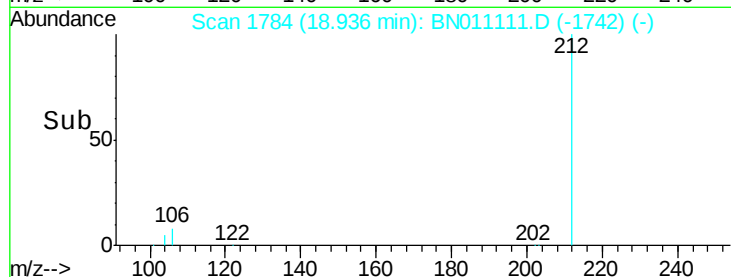
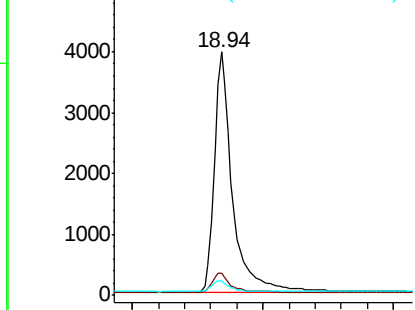
#27
 Fluoranthene-d10
 Concen: 0.421 ng
 RT: 18.94 min Scan# 1784
 Delta R.T. 0.01 min
 Lab File: BN011111.D
 Acq: 07 Jul 2020 10:49

Instrument :
 BNA_N
 ClientSampleId :
 PB129931BL

Tot Ion:212 Resp: 7677
 Ion Ratio Lower Upper
 212 100
 106 8.0 7.1 10.7
 104 4.5 4.2 6.4

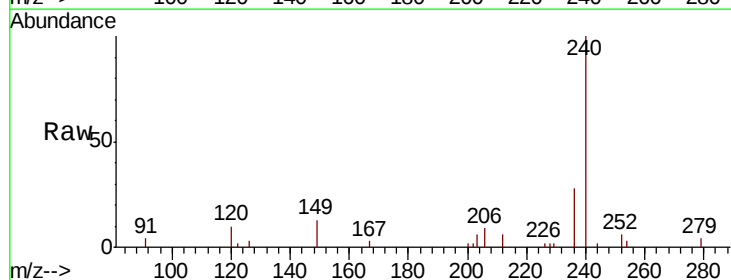


Abundance Ion 212.00 (211.70 to 212.70): E
 Ion 106.00 (105.70 to 106.70): E
 Ion 104.00 (103.70 to 104.70): E

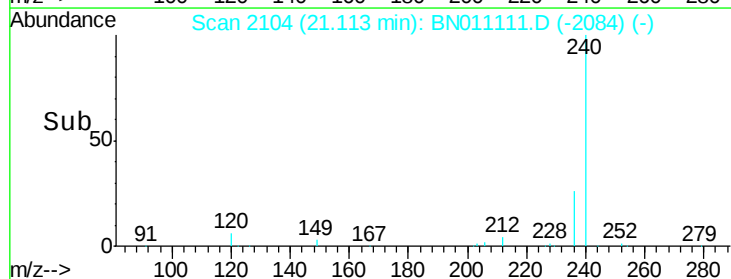
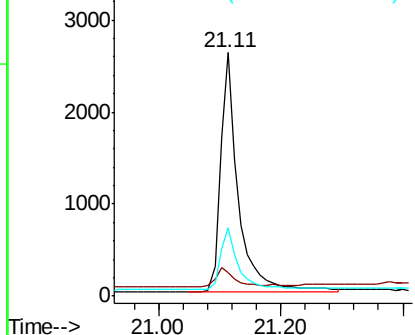


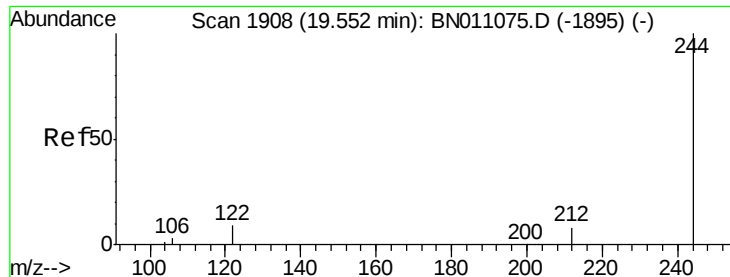
#29
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.11 min Scan# 2104
 Delta R.T. 0.01 min
 Lab File: BN011111.D
 Acq: 07 Jul 2020 10:49

Tgt Ion:240 Resp: 5237
 Ion Ratio Lower Upper
 240 100
 120 9.6 6.5 9.7
 236 28.3 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

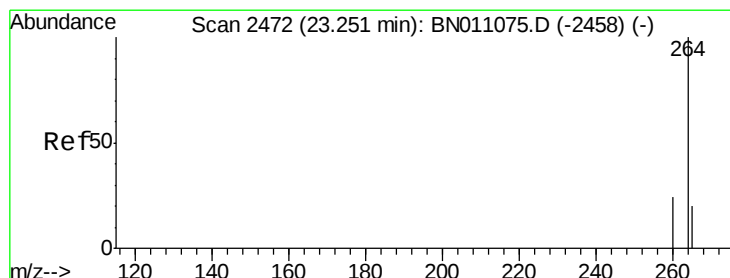
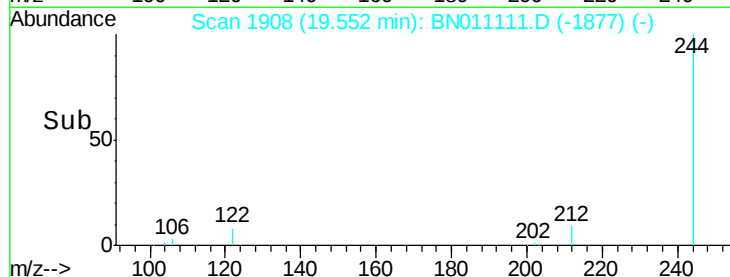
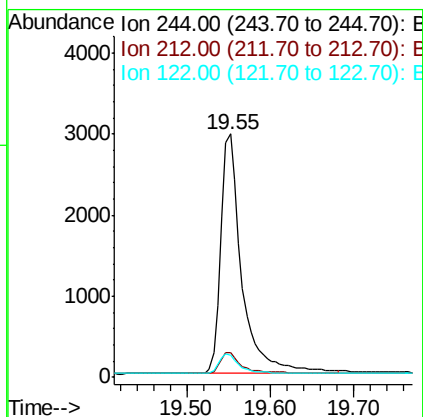
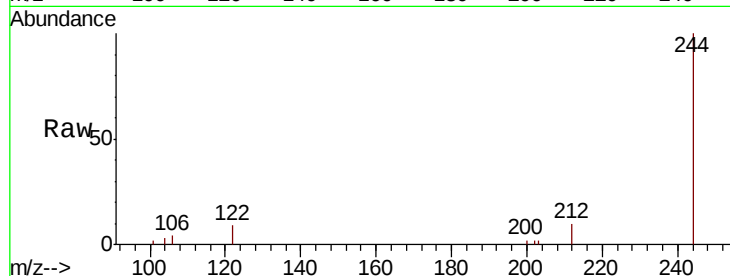




#31
 Terphenyl-d14
 Concen: 0.383 ng
 RT: 19.55 min Scan# 1908
 Delta R.T. 0.00 min
 Lab File: BN011111.D
 Acq: 07 Jul 2020 10:49

Instrument :
 BNA_N
 ClientSampleId :
 PB129931BL

Tot Ion:244 Resp: 5224
 Ion Ratio Lower Upper
 244 100
 212 10.2 7.5 11.3
 122 9.0 8.2 12.4



#36
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.25 min Scan# 2472
 Delta R.T. 0.01 min
 Lab File: BN011111.D
 Acq: 07 Jul 2020 10:49

Tgt Ion:264 Resp: 5311
 Ion Ratio Lower Upper
 264 100
 260 26.7 20.4 30.6
 265 97.4 83.0 124.6

