

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN071020\
 Data File : BN011133.D
 Acq On : 09 Jul 2020 15:33
 Operator : CG/JU
 Sample : PB130052BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB130052BL

Quant Time: Jul 09 16:03:16 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN063020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 09 15:33:27 2020
 Response via : Initial Calibration

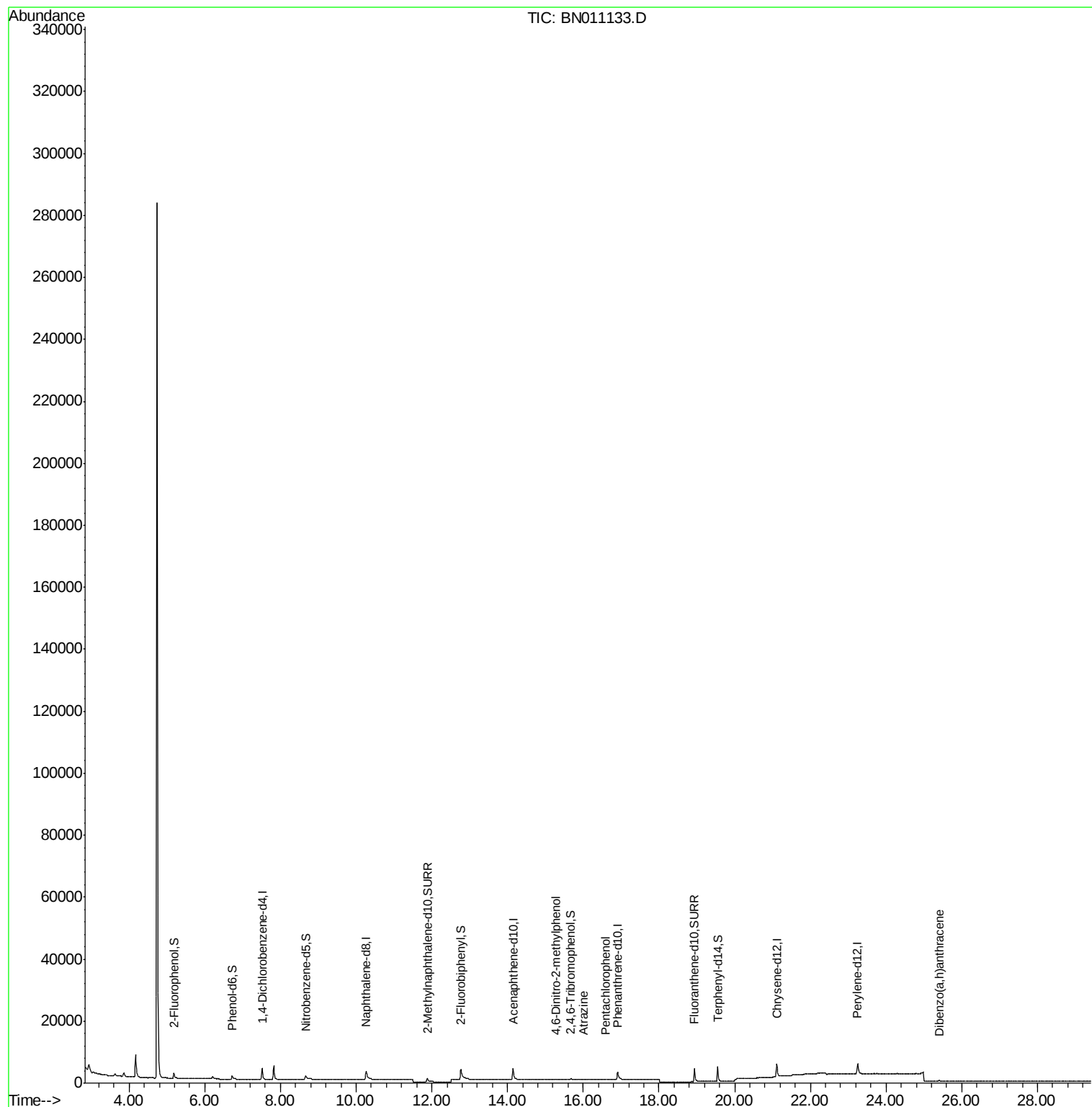
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	2289	0.40	ng	0.00
7) Naphthalene-d8	10.27	136	7025	0.40	ng	0.01
13) Acenaphthene-d10	14.14	164	3636	0.40	ng	0.01
19) Phenanthrene-d10	16.91	188	7487	0.40	ng	0.02
29) Chrysene-d12	21.11	240	6412	0.40	ng	0.01
36) Perylene-d12	23.25	264	6176	0.40	ng	0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.19	112	2082	0.37	ng	0.00
5) Phenol-d6	6.73	99	1989	0.30	ng	0.00
8) Nitrobenzene-d5	8.67	82	2378	0.40	ng	0.01
11) 2-Methylnaphthalene-d10	11.88	152	3526	0.29	ng	0.02
14) 2,4,6-Tribromophenol	15.67	330	457	0.30	ng	0.03
15) 2-Fluorobiphenyl	12.77	172	6627	0.39	ng	0.03
27) Fluoranthene-d10	18.94	212	7560	0.33	ng	0.00
31) Terphenyl-d14	19.55	244	7725	0.46	ng	0.00
Target Compounds						
20) 4,6-Dinitro-2-methylphenol	15.29	198	7	0.097	ng	# 42
23) Atrazine	16.01	200	169	0.048	ng	# 8
24) Pentachlorophenol	16.59	266	53	0.034	ng	# 62
40) Dibenzo(a,h)anthracene	25.40	278	604	0.028	ng	# 1

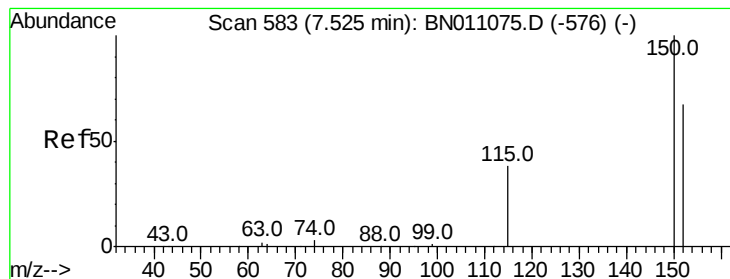
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



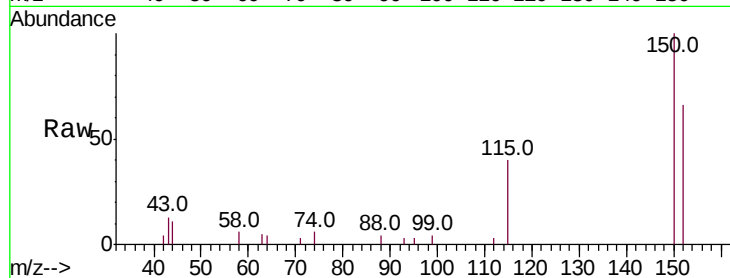


#1

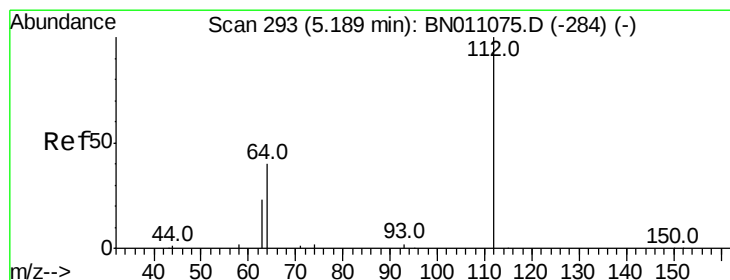
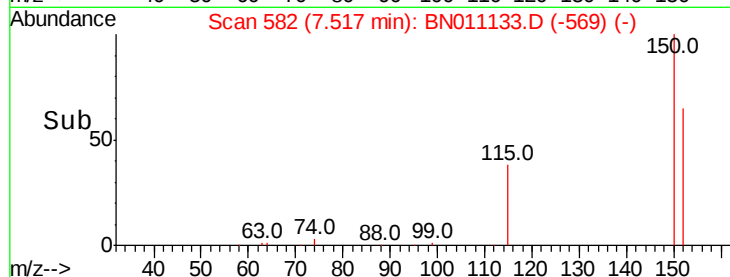
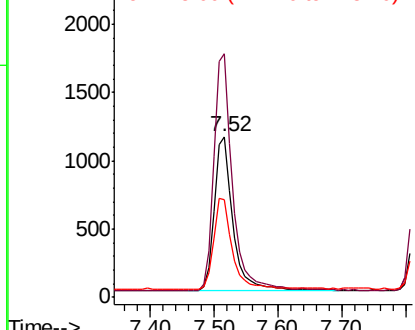
1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.52 min Scan# 582
 Delta R.T. 0.01 min
 Lab File: BN011133.D
 Acq: 09 Jul 2020 15:33

Instrument :
 BNA_N
 ClientSampleId :
 PB130052BL

Tot Ion:152 Resp: 2289
 Ion Ratio Lower Upper
 152 100
 150 151.7 117.4 176.0
 115 60.7 47.9 71.9



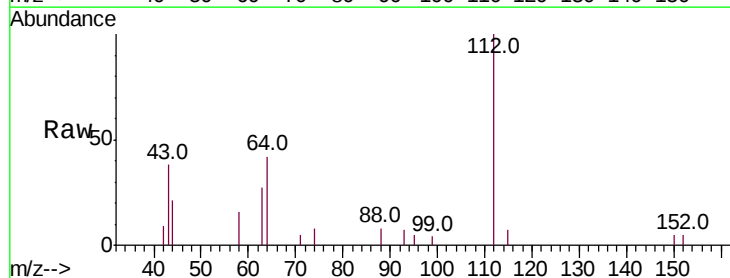
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



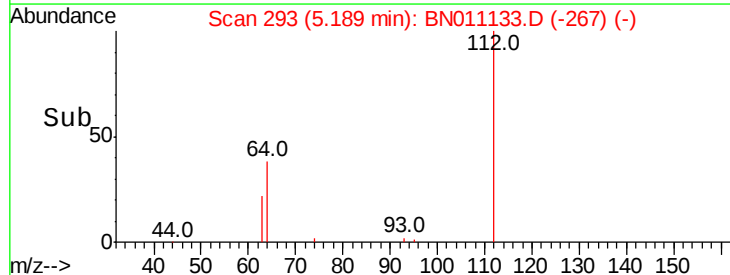
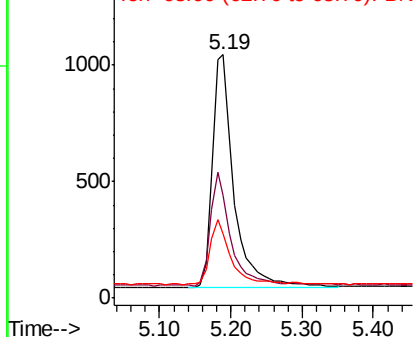
#4

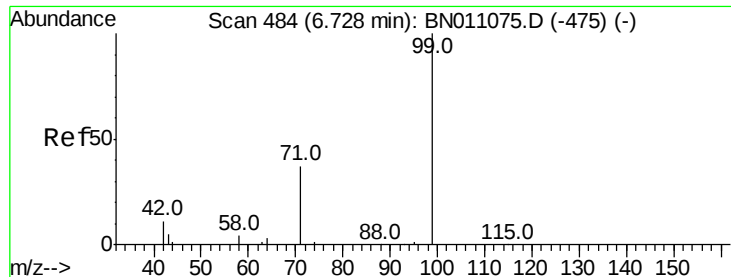
2-Fluorophenol
 Concen: 0.366 ng
 RT: 5.19 min Scan# 293
 Delta R.T. 0.01 min
 Lab File: BN011133.D
 Acq: 09 Jul 2020 15:33

Tgt Ion:112 Resp: 2082
 Ion Ratio Lower Upper
 112 100
 64 44.3 36.5 54.7
 63 26.8 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: 0.304 ng

RT: 6.73 min Scan# 484

Delta R.T. 0.01 min

Lab File: BN011133.D

Acq: 09 Jul 2020 15:33

Instrument :

BNA_N

ClientSampleId :

PB130052BL

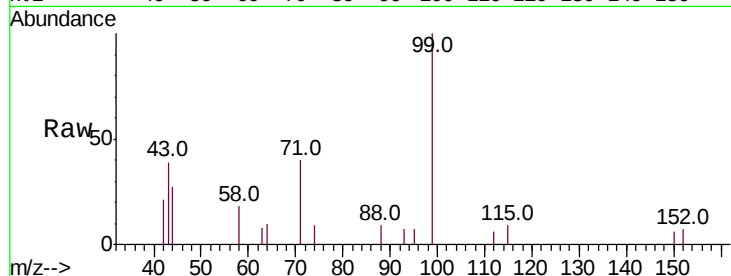
Tot Ion: 99 Resp: 1989

Ion Ratio Lower Upper

99 100

42 12.7 9.8 14.8

71 38.8 30.7 46.1



Abundance Ion 99.00 (98.70 to 99.70): BN011133.D (-475) (-)

Ion 42.00 (41.70 to 42.70): BN011133.D (-475) (-)

Ion 71.00 (70.70 to 71.70): BN011133.D (-475) (-)

6.73

800

600

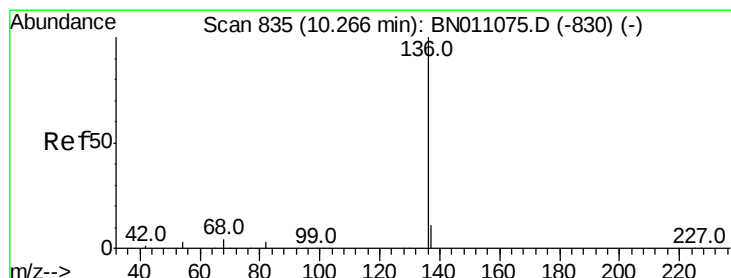
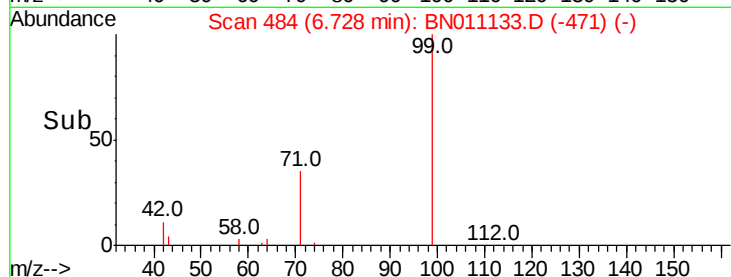
400

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. 0.01 min

Lab File: BN011133.D

Acq: 09 Jul 2020 15:33

Tgt Ion: 136 Resp: 7025

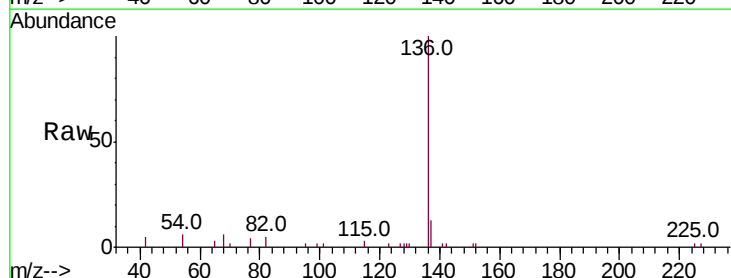
Ion Ratio Lower Upper

136 100

137 13.1 9.6 14.4

54 6.3 3.8 5.6#

68 6.2 4.3 6.5



Abundance Ion 136.00 (135.70 to 136.70): BN011133.D (-818) (-)

Ion 137.00 (136.70 to 137.70): BN011133.D (-818) (-)

Ion 54.00 (53.70 to 54.70): BN011133.D (-818) (-)

Ion 68.00 (67.70 to 68.70): BN011133.D (-818) (-)

10.27

3000

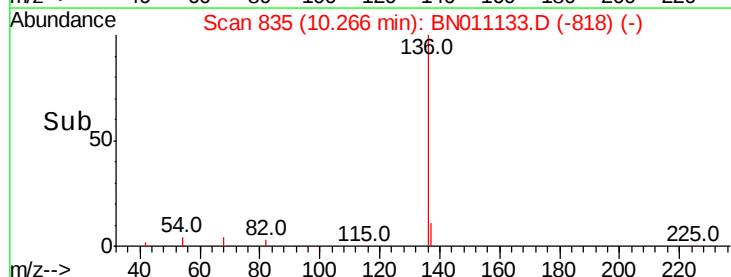
2000

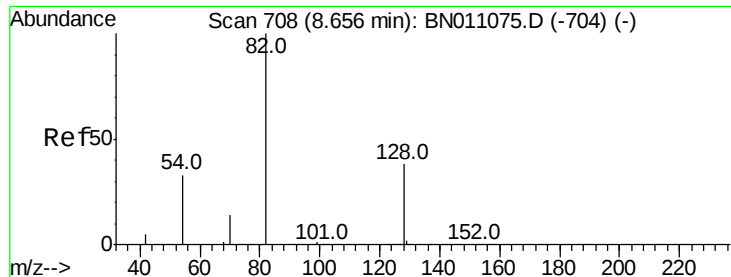
1000

0

10.10 10.20 10.30 10.40

Time-->





#8

Nitrobenzene-d5

Concen: 0.398 ng

RT: 8.67 min Scan# 709

Delta R.T. 0.01 min

Lab File: BN011133.D

Acq: 09 Jul 2020 15:33

Instrument :

BNA_N

ClientSampleId :

PB130052BL

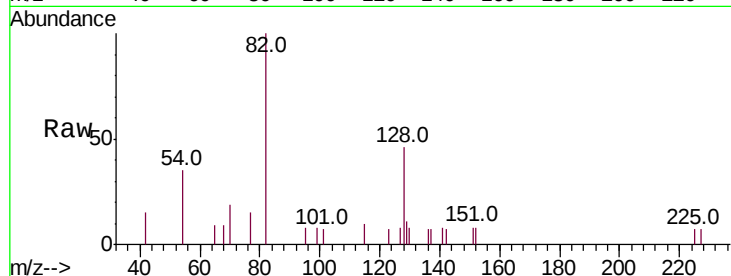
Tot Ion: 82 Resp: 2378

Ion Ratio Lower Upper

82 100

128 46.4 34.2 51.2

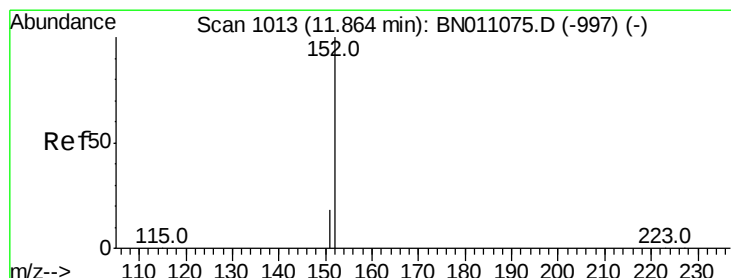
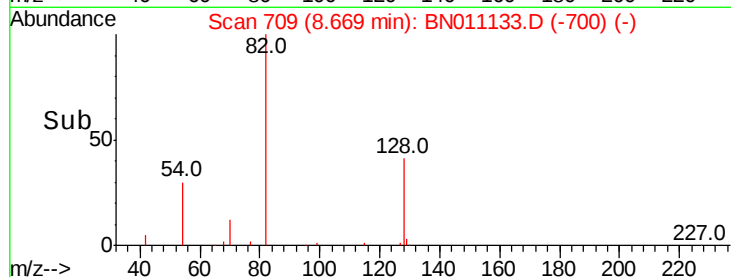
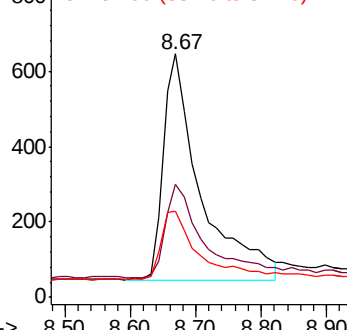
54 35.4 29.4 44.0



Abundance Ion 82.00 (81.70 to 82.70): BN0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BN0



#11

2-Methylnaphthalene-d10

Concen: 0.290 ng

RT: 11.88 min Scan# 1016

Delta R.T. 0.02 min

Lab File: BN011133.D

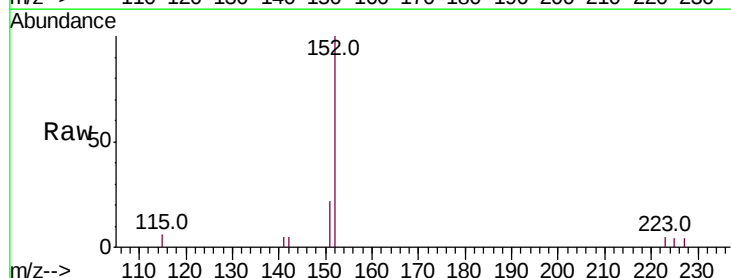
Acq: 09 Jul 2020 15:33

Tgt Ion: 152 Resp: 3526

Ion Ratio Lower Upper

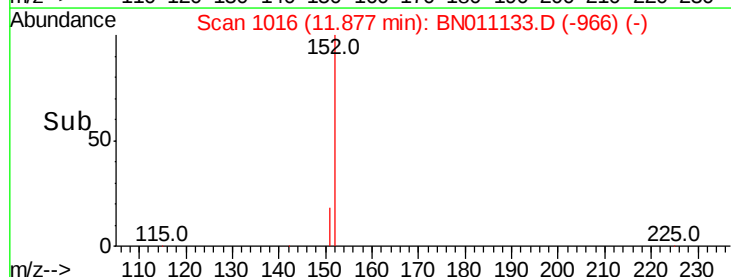
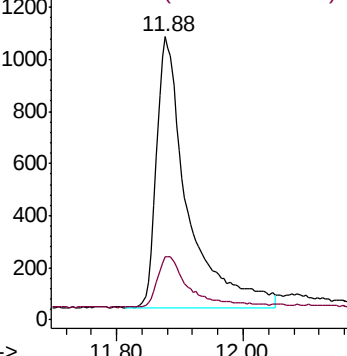
152 100

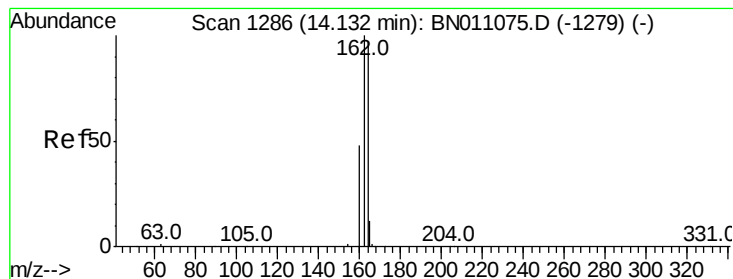
151 18.1 16.6 24.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.14 min Scan# 1287

Delta R.T. 0.01 min

Lab File: BN011133.D

Acq: 09 Jul 2020 15:33

Instrument :

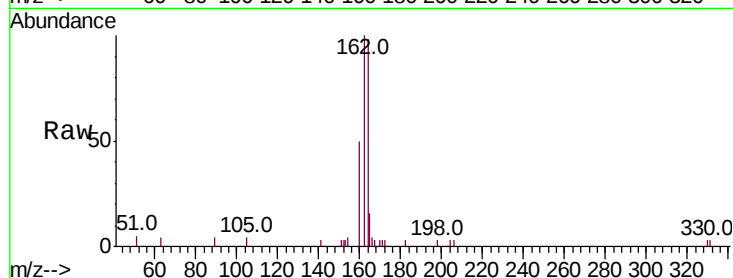
BNA_N

ClientSampleId :

PB130052BL

Tot Ion:164 Resp: 3636

Ion	Ratio	Lower	Upper
164	100		
162	101.8	82.3	123.5
160	51.0	40.6	61.0

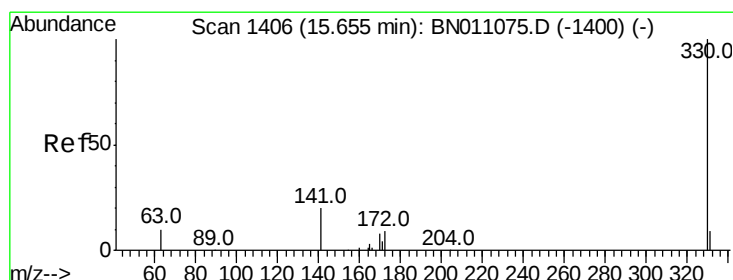
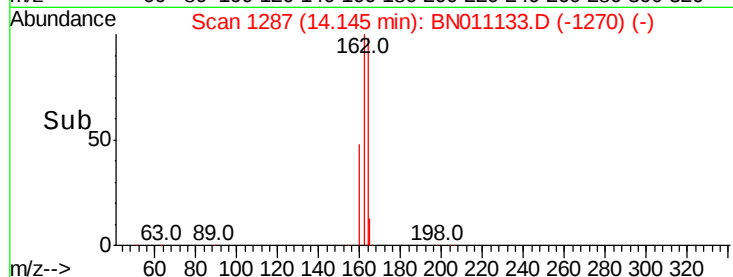
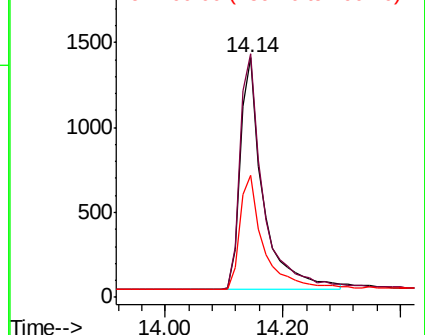


Abundance

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: 0.299 ng

RT: 15.67 min Scan# 1407

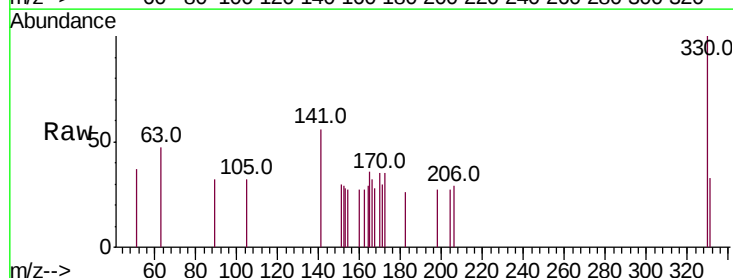
Delta R.T. 0.03 min

Lab File: BN011133.D

Acq: 09 Jul 2020 15:33

Tgt Ion:330 Resp: 457

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	37.4	32.6	49.0

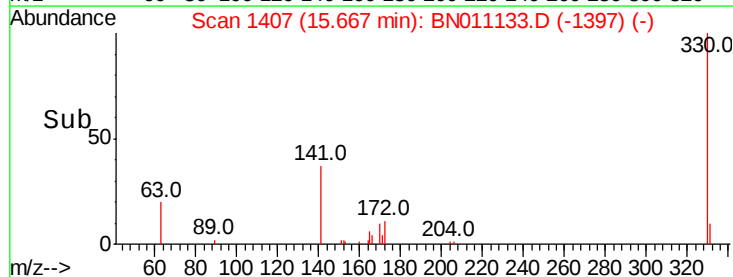
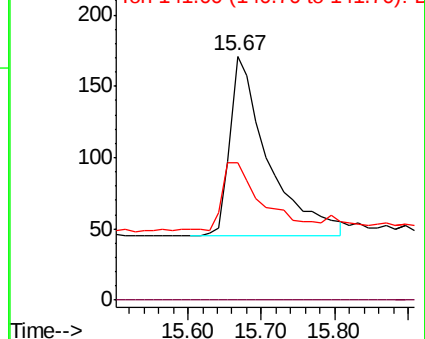


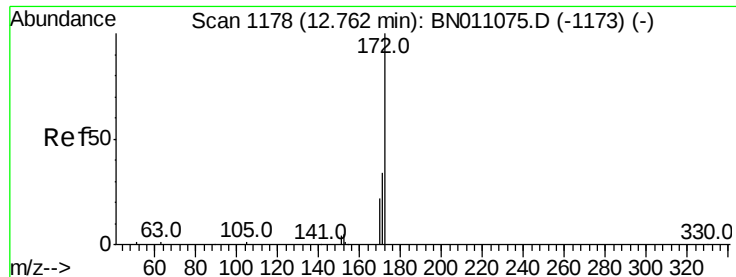
Abundance

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

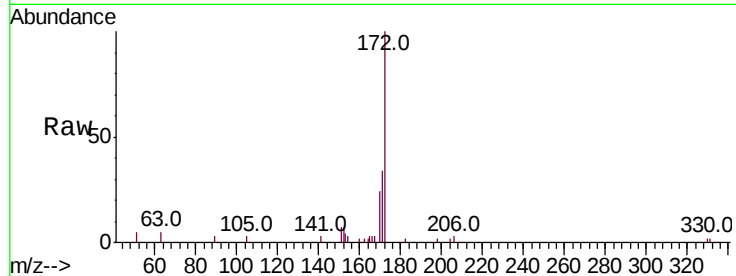




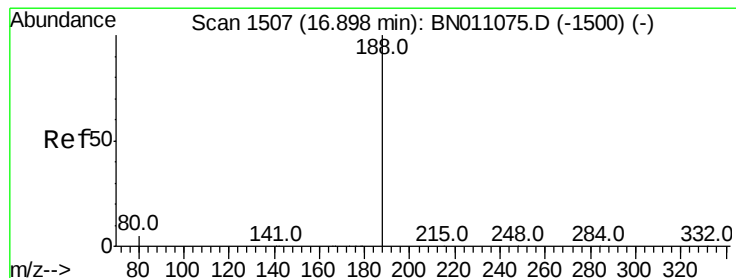
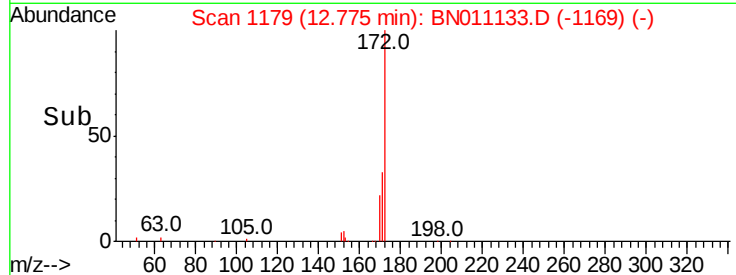
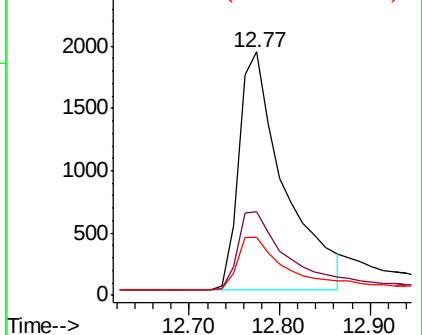
#15
2-Fluorobiphenyl
Concen: 0.387 ng
RT: 12.77 min Scan# 1179
Delta R.T. 0.03 min
Lab File: BN011133.D
Acq: 09 Jul 2020 15:33

Instrument :
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ClientSampleId :
PB130052BL

Tot Ion:172 Resp: 6627
Ion Ratio Lower Upper
172 100
171 34.4 27.9 41.9
170 23.8 18.7 28.1

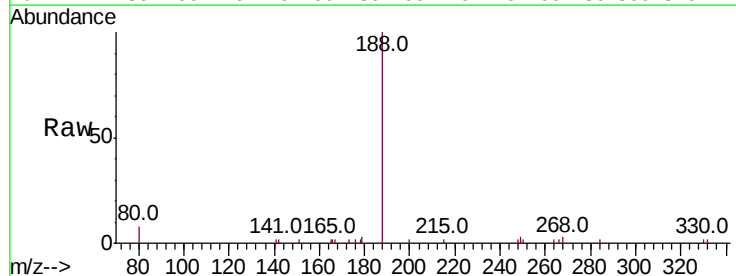


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

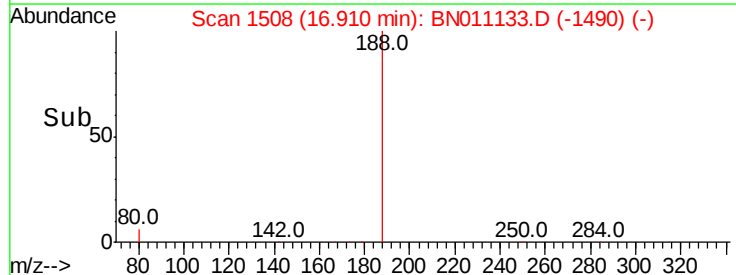
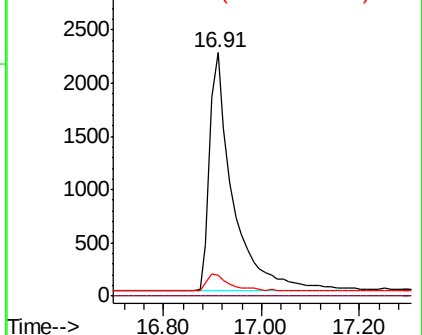


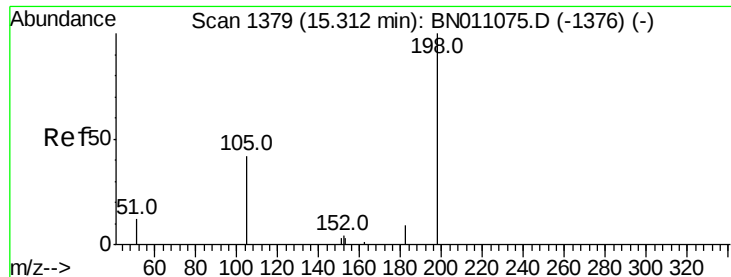
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.91 min Scan# 1508
Delta R.T. 0.02 min
Lab File: BN011133.D
Acq: 09 Jul 2020 15:33

Tgt Ion:188 Resp: 7487
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 8.4 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

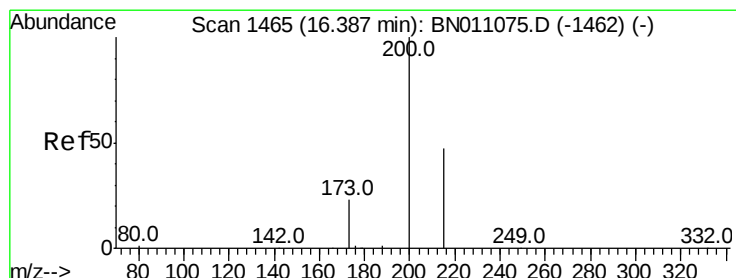
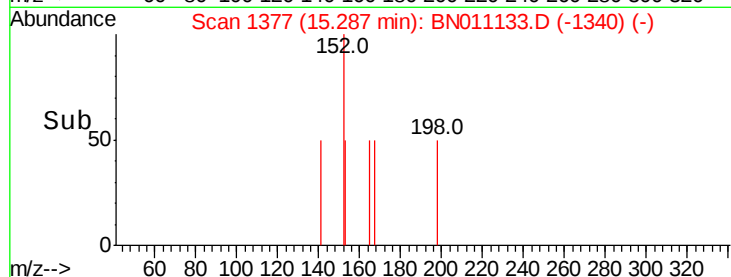
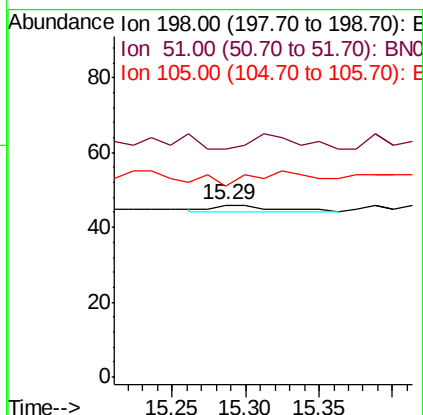
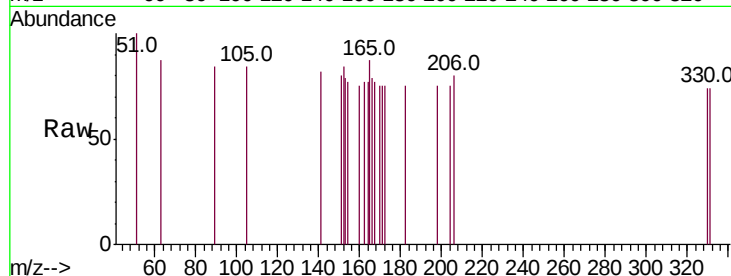




#20
4,6-Dinitro-2-methylphenol
Concen: 0.097 ng
RT: 15.29 min Scan# 1377
Delta R.T. -0.03 min
Lab File: BN011133.D
Acq: 09 Jul 2020 15:33

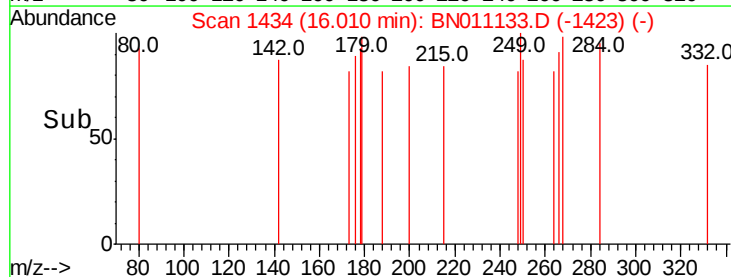
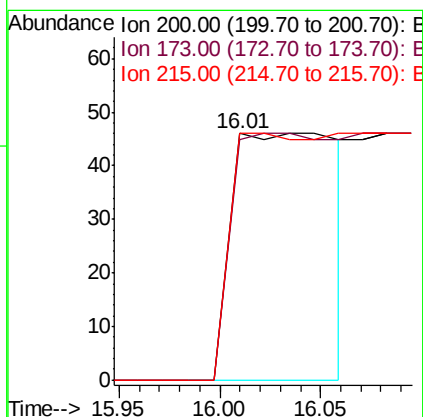
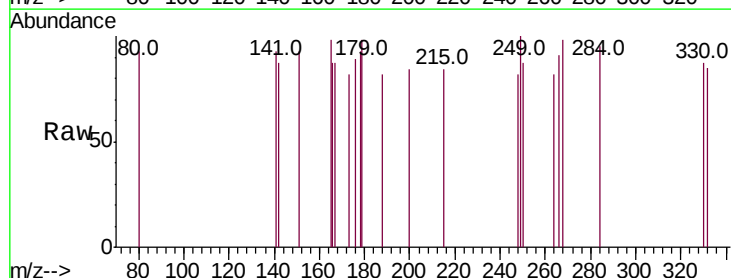
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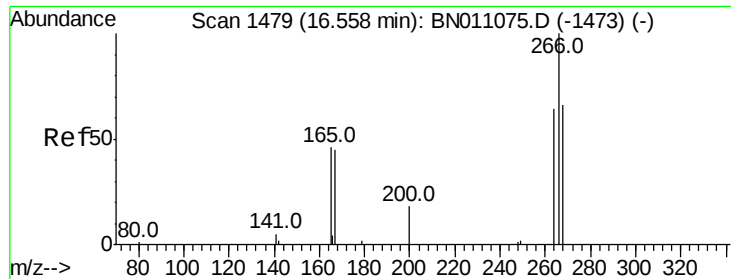
Tot Ion:198 Resp: 7
Ion Ratio Lower Upper
198 100
51 132.6 58.2 87.4#
105 110.9 59.0 88.4#



#23
Atrazine
Concen: 0.048 ng
RT: 16.01 min Scan# 1434
Delta R.T. -0.37 min
Lab File: BN011133.D
Acq: 09 Jul 2020 15:33

Tgt Ion:200 Resp: 169
Ion Ratio Lower Upper
200 100
173 97.8 22.8 34.2#
215 100.0 40.7 61.1#





#24

Pentachlorophenol

Concen: 0.034 ng

RT: 16.59 min Scan# 1482

Delta R.T. 0.04 min

Lab File: BN011133.D

Acq: 09 Jul 2020 15:33

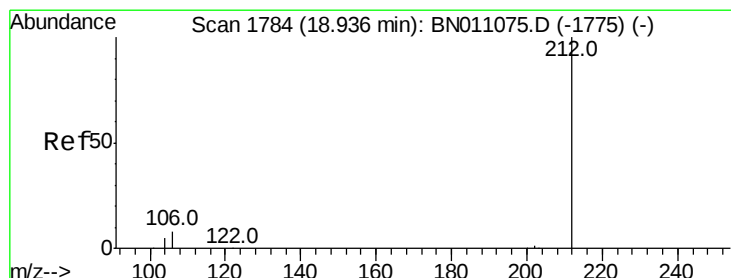
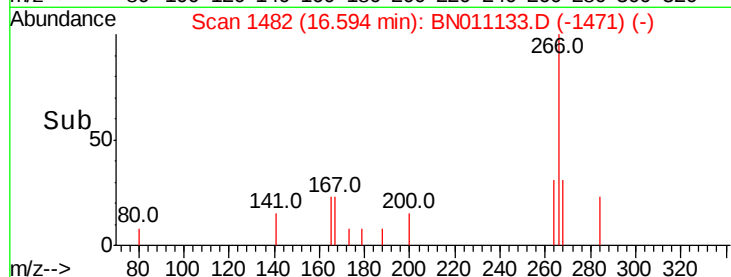
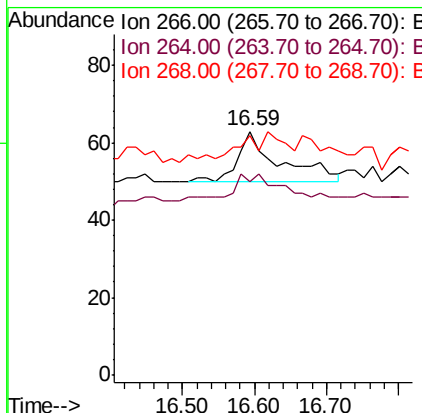
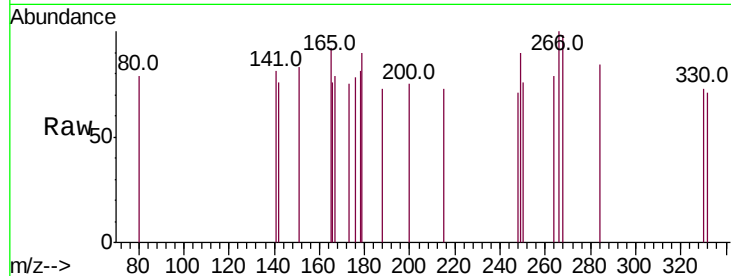
Instrument :

BNA_N

ClientSampleId :

PB130052BL

Tot Ion:266	Resp:	53
Ion Ratio	Lower	Upper
266	100	
264	49.1	47.4 71.0
268	20.8	55.0 82.4#



#27

Fluoranthene-d10

Concen: 0.334 ng

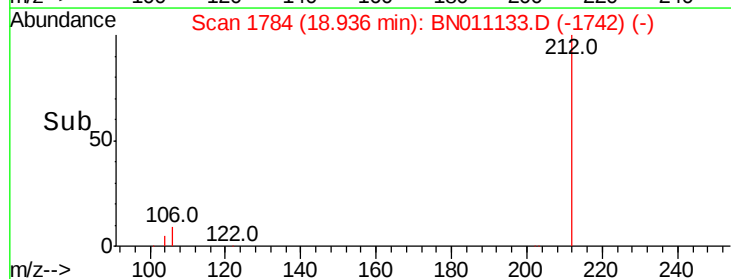
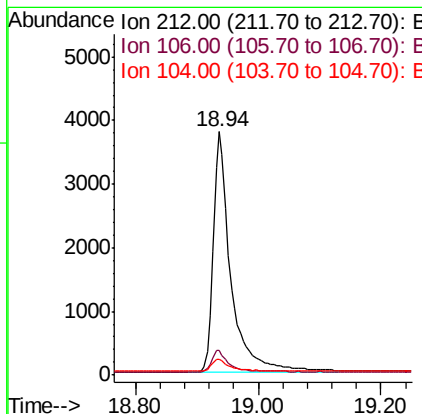
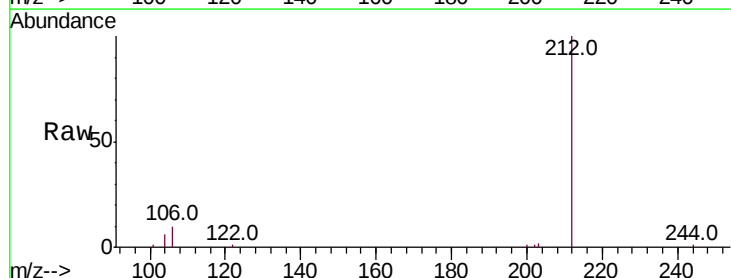
RT: 18.94 min Scan# 1784

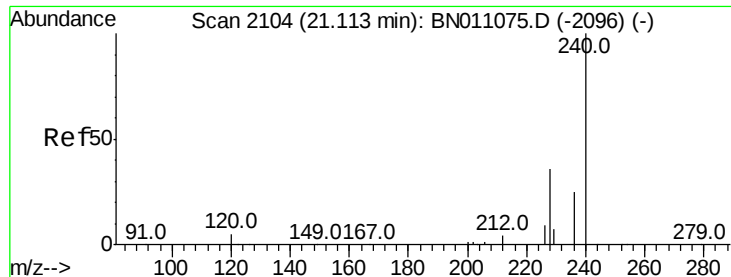
Delta R.T. 0.01 min

Lab File: BN011133.D

Acq: 09 Jul 2020 15:33

Tgt Ion:212	Resp:	7560
Ion Ratio	Lower	Upper
212	100	
106	8.9	7.1 10.7
104	4.6	4.2 6.4





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.11 min Scan# 2104

Delta R.T. 0.01 min

Lab File: BN011133.D

Acq: 09 Jul 2020 15:33

Instrument :

BNA_N

ClientSampleId :

PB130052BL

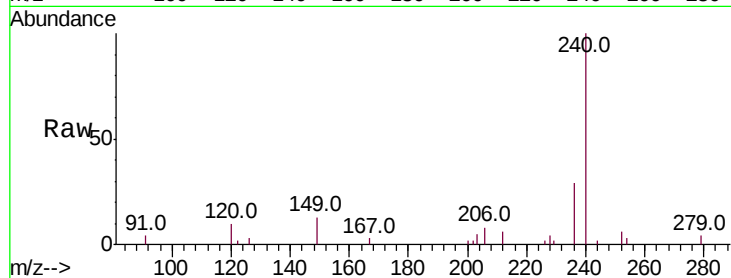
Tot Ion:240 Resp: 6412

Ion Ratio Lower Upper

240 100

120 10.1 6.5 9.7#

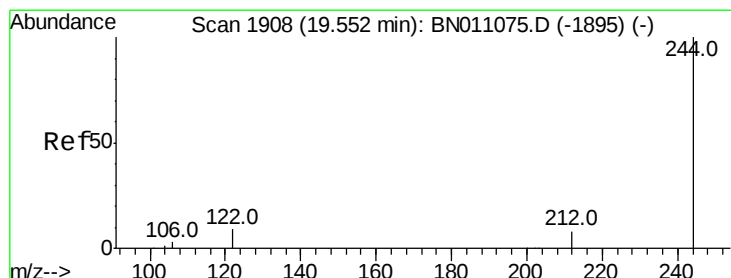
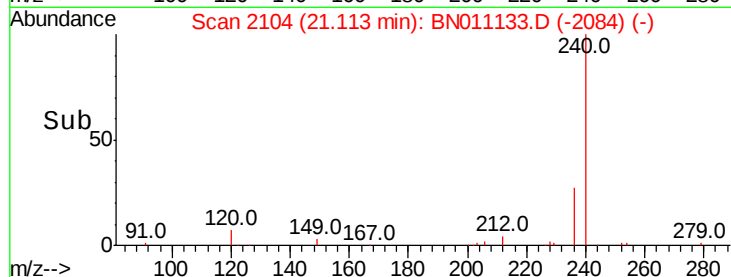
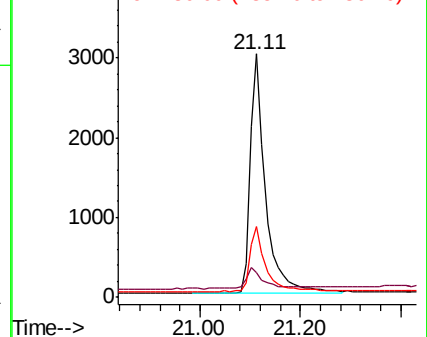
236 28.9 21.9 32.9



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: 0.463 ng

RT: 19.55 min Scan# 1908

Delta R.T. 0.00 min

Lab File: BN011133.D

Acq: 09 Jul 2020 15:33

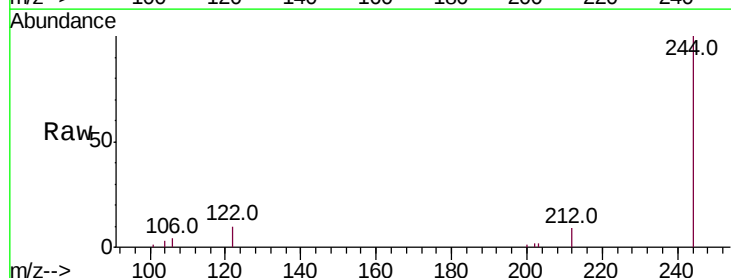
Tgt Ion:244 Resp: 7725

Ion Ratio Lower Upper

244 100

212 9.1 7.5 11.3

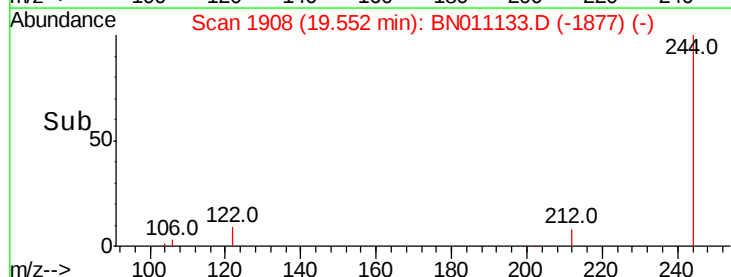
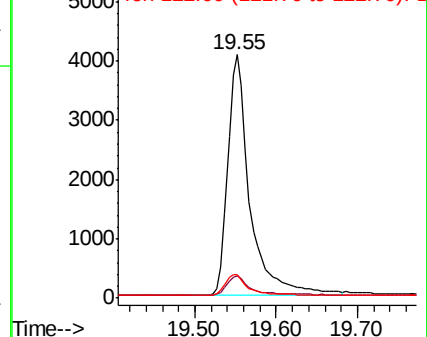
122 9.7 8.2 12.4

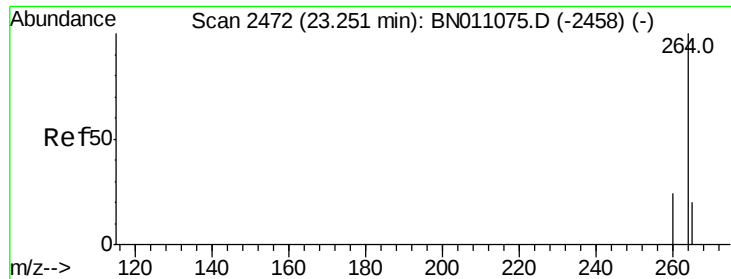


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



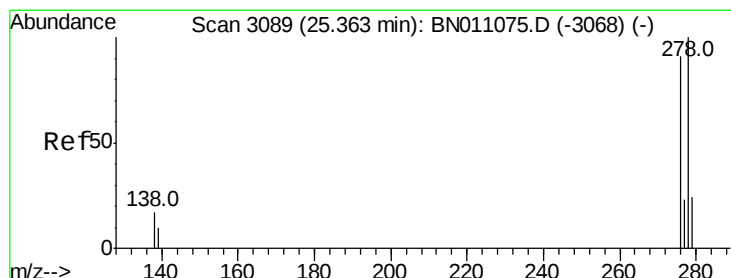
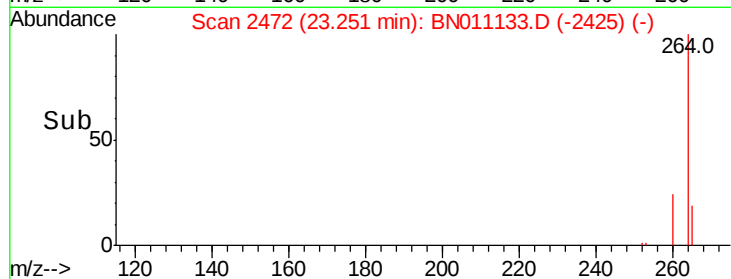
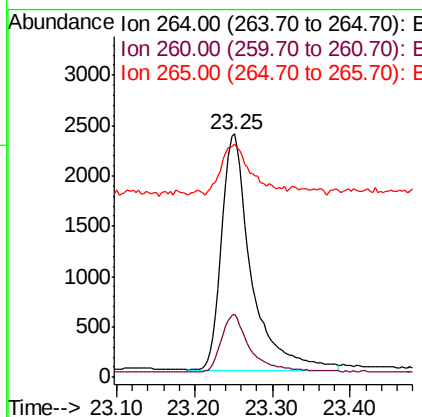
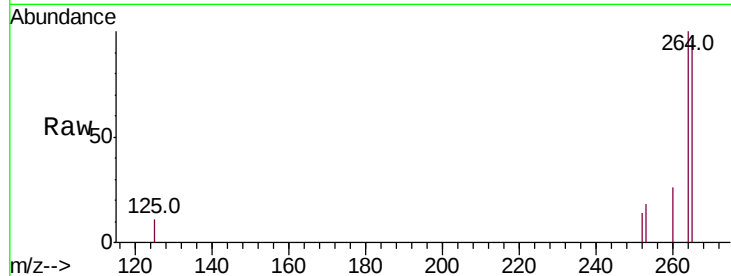


#36
Pervlene-d12
Concen: 0.400 ng
RT: 23.25 min Scan# 2472
Delta R.T. 0.01 min
Lab File: BN011133.D
Acq: 09 Jul 2020 15:33

Instrument :
BNA_N
ClientSampleId :
PB130052BL

Tot Ion:264 Resp: 6176

Ion	Ratio	Lower	Upper
264	100		
260	25.7	20.4	30.6
265	95.6	83.0	124.6



#40
Dibenzo(a,h)anthracene
Concen: 0.028 ng
RT: 25.40 min Scan# 3099
Delta R.T. 0.04 min
Lab File: BN011133.D
Acq: 09 Jul 2020 15:33

Tgt Ion:278 Resp: 604

Ion	Ratio	Lower	Upper
278	100		
139	38.7	11.9	17.9#
279	126.8	25.5	38.3#

