

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN070119\
 Data File : BN006677.D
 Acq On : 02 Jul 2019 02:17
 Operator : HP/JU
 Sample : K3473-04DL 2X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MW-4DL

Quant Time: Jul 02 05:08:58 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN062819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 28 13:47:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	4561	0.40	ng	0.00
7) Naphthalene-d8	10.40	136	18406	0.40	ng	0.00
13) Acenaphthene-d10	14.27	164	10236	0.40	ng	-0.01
19) Phenanthrene-d10	17.03	188	21476	0.40	ng	-0.01
27) Chrysene-d12	21.25	240	19325	0.40	ng	-0.02
34) Perylene-d12	23.49	264	22363	0.40	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.24	112	931	0.08	ng	0.00
5) Phenol-d6	6.83	99	741	0.05	ng	0.00
8) Nitrobenzene-d5	8.79	82	2074	0.17	ng	0.00
11) 2-Methylnaphthalene-d10	12.00	152	4311	0.15	ng	0.00
14) 2,4,6-Tribromophenol	15.78	330	853	0.18	ng	-0.01
15) 2-Fluorobiphenyl	12.88	172	7317	0.19	ng	-0.01
25) Fluoranthene-d10	19.08	212	10347	0.16	ng	0.00
29) Terphenyl-d14	19.68	244	9406	0.23	ng	0.00

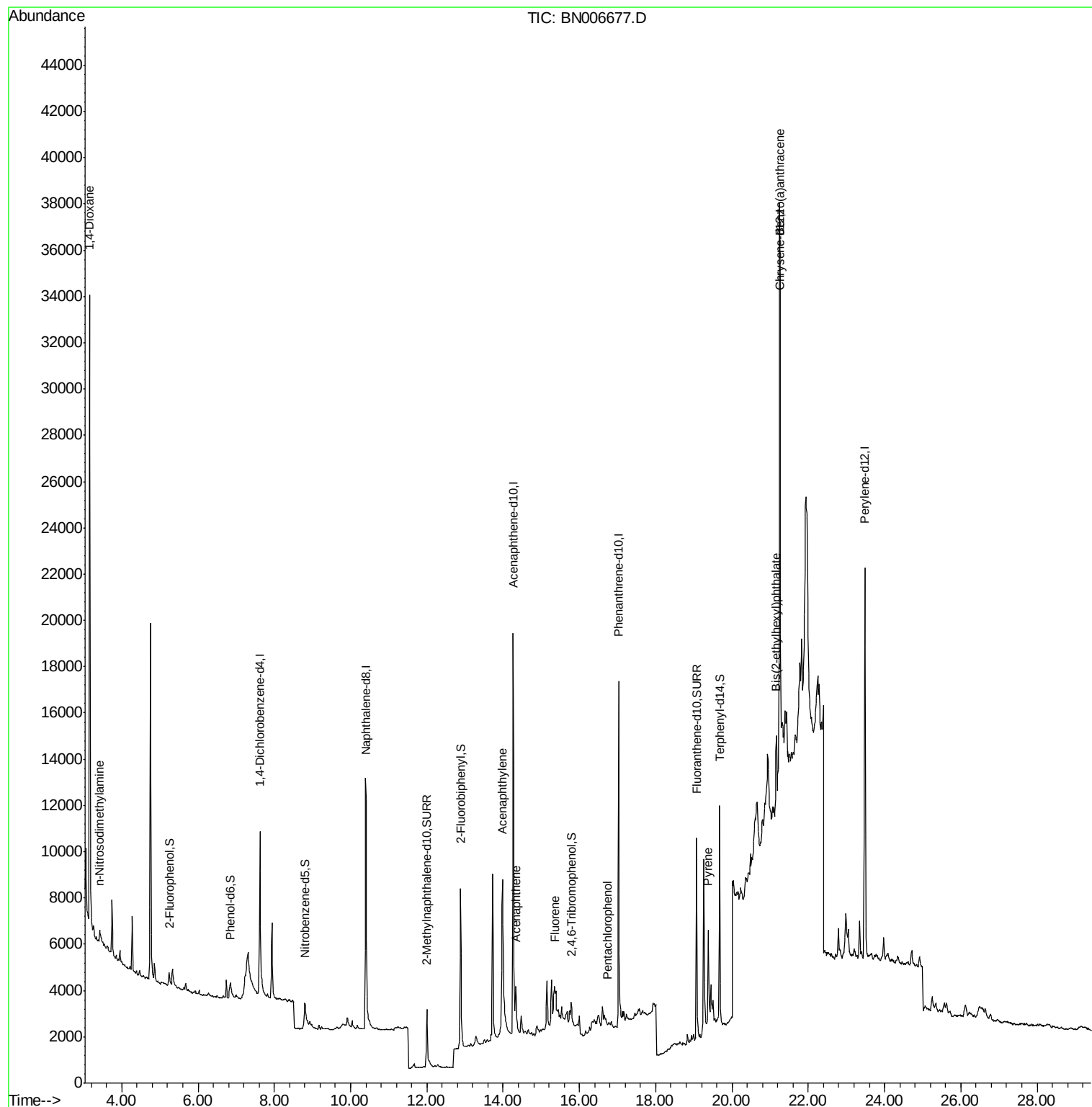
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.16	88	16492	2.613	ng	99
3) n-Nitrosodimethylamine	3.42	42	188	0.038	ng	# 1
16) Acenaphthylene	13.99	152	18134	0.372	ng	98
17) Acenaphthene	14.33	154	1980	0.062	ng	92
18) Fluorene	15.35	166	2482	0.061	ng	# 12
22) Pentachlorophenol	16.73	266	4	0.193	ng	# 75
28) Pyrene	19.38	202	4304	0.064	ng	# 91
30) Benzo(a)anthracene	21.26	228	1561	0.025	ng	# 1
32) Bis(2-ethylhexyl)phthalate	21.16	149	2873	0.090	ng	# 90

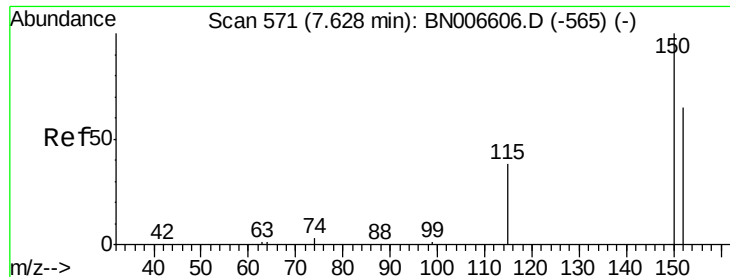
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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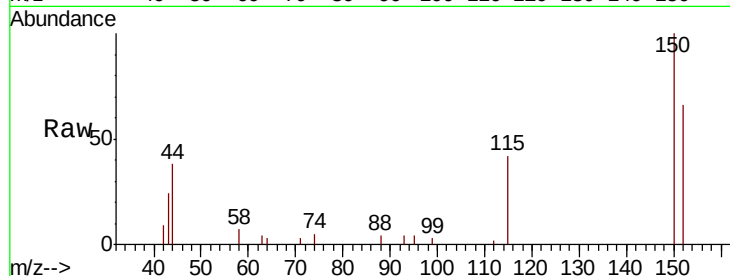


#1

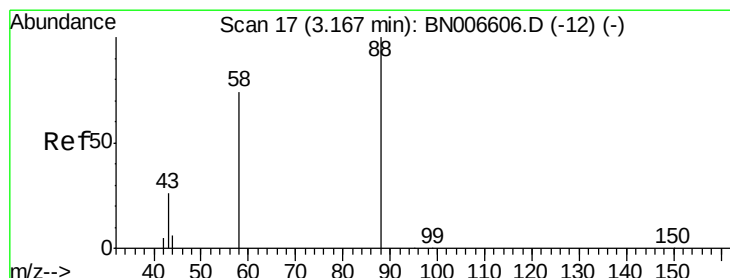
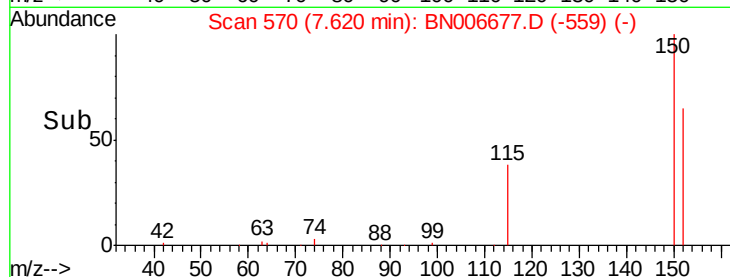
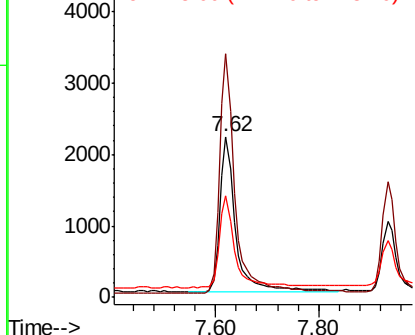
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.62 min Scan# 570
Delta R.T. -0.01 min
Lab File: BN006677.D
Acq: 02 Jul 2019 02:17

Instrument :
BNA_N
ClientSampleId :
MW-4DL

Tgt Ion: 152 Resp: 4561
Ion Ratio Lower Upper
152 100
150 151.7 122.2 183.2
115 63.3 50.0 75.0



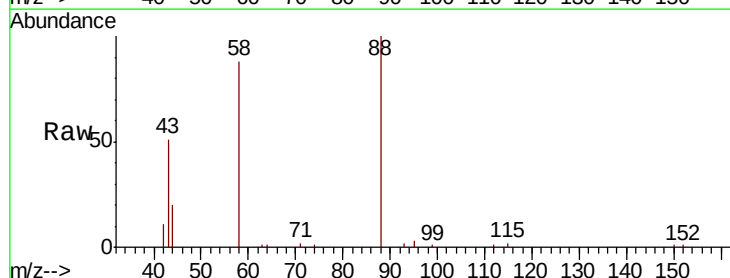
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



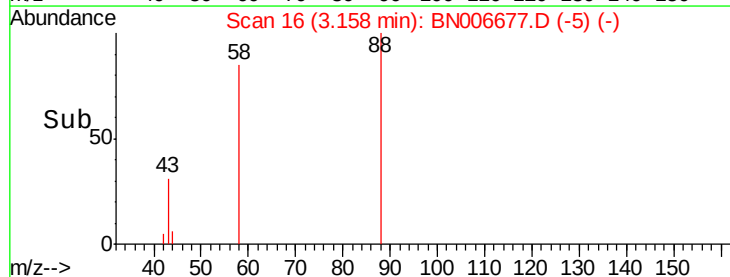
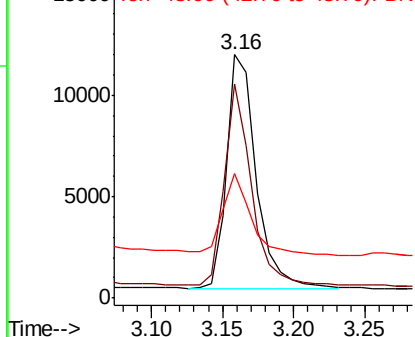
#2

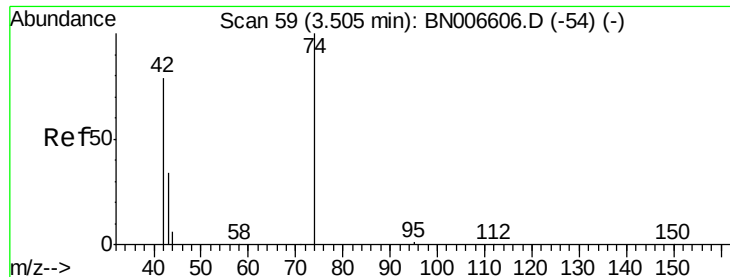
1,4-Dioxane
Concen: 2.613 ng
RT: 3.16 min Scan# 16
Delta R.T. -0.01 min
Lab File: BN006677.D
Acq: 02 Jul 2019 02:17

Tgt Ion: 88 Resp: 16492
Ion Ratio Lower Upper
88 100
58 77.9 62.5 93.7
43 33.1 25.4 38.0



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





#3

n-Nitrosodimethylamine

Concen: 0.038 ng

RT: 3.42 min Scan# 49

Delta R.T. -0.08 min

Lab File: BN006677.D

Acq: 02 Jul 2019 02:17

Instrument :

BNA_N

ClientSampleId :

MW-4DL

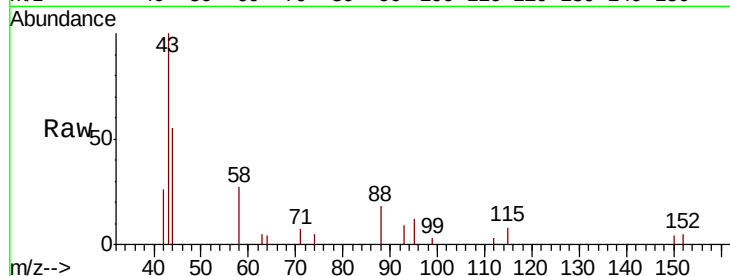
Tgt Ion: 42 Resp: 188

Ion Ratio Lower Upper

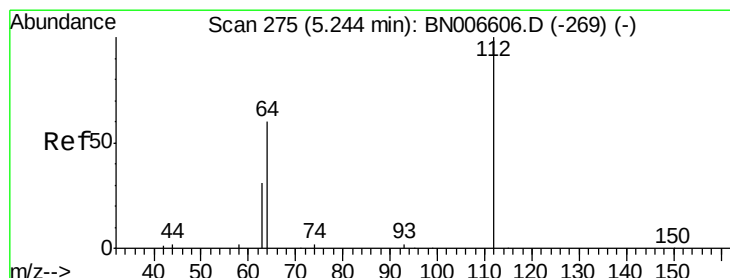
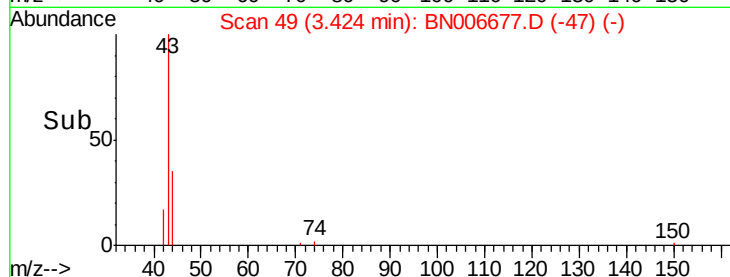
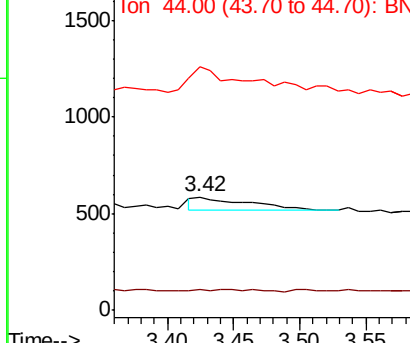
42 100

74 6.9 103.1 154.7#

44 133.5 3.4 5.2#



Abundance Ion 42.00 (41.70 to 42.70): BN0
Ion 74.00 (73.70 to 74.70): BN0
Ion 44.00 (43.70 to 44.70): BN0



#4

2-Fluorophenol

Concen: 0.083 ng

RT: 5.24 min Scan# 275

Delta R.T. -0.00 min

Lab File: BN006677.D

Acq: 02 Jul 2019 02:17

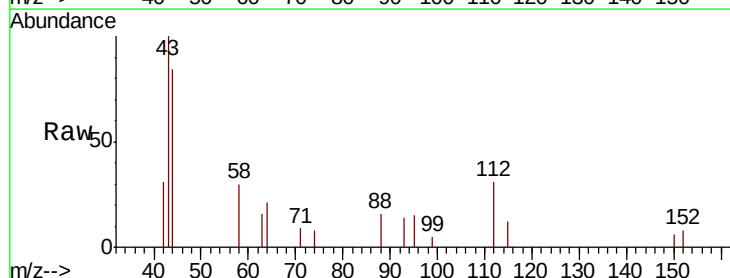
Tgt Ion: 112 Resp: 931

Ion Ratio Lower Upper

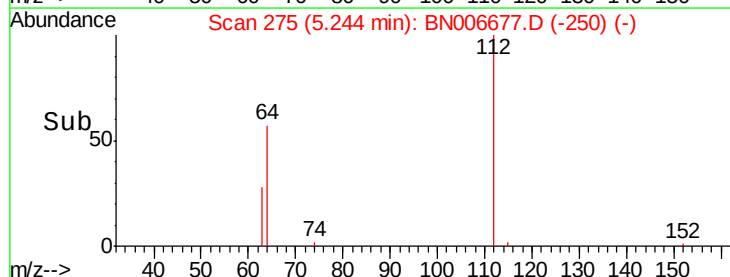
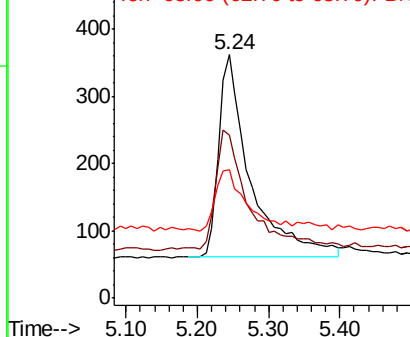
112 100

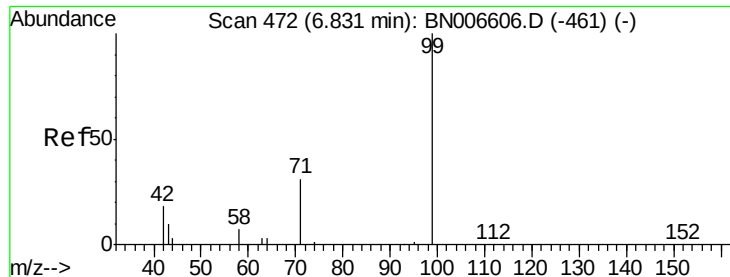
64 59.3 48.9 73.3

63 28.8 24.3 36.5



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: 0.050 ng

RT: 6.83 min Scan# 472

Delta R.T. -0.00 min

Lab File: BN006677.D

Acq: 02 Jul 2019 02:17

Instrument :

BNA_N

ClientSampled :

MW-4DL

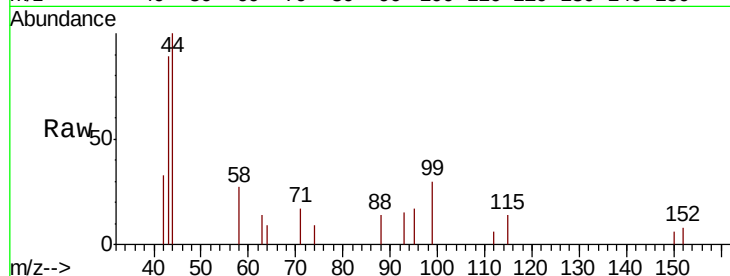
Tgt Ion: 99 Resp: 741

Ion Ratio Lower Upper

99 100

42 35.9 16.4 24.6#

71 25.1 26.6 40.0#



Abundance Ion 99.00 (98.70 to 99.70): BN006677.D (-460) (-)

Ion 42.00 (41.70 to 42.70): BN006677.D (-460) (-)

Ion 71.00 (70.70 to 71.70): BN006677.D (-460) (-)

6.83

400

300

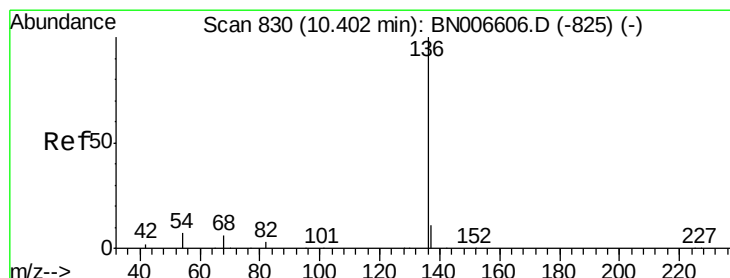
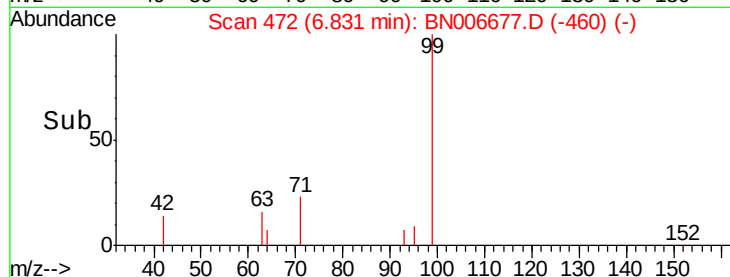
200

100

0

6.70 6.80 6.90 7.00

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.40 min Scan# 830

Delta R.T. -0.00 min

Lab File: BN006677.D

Acq: 02 Jul 2019 02:17

Tgt Ion: 136 Resp: 18406

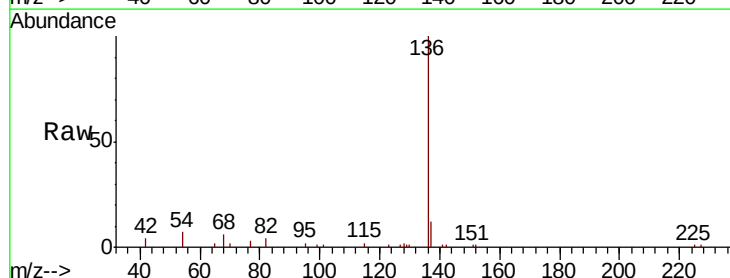
Ion Ratio Lower Upper

136 100

137 11.6 9.3 13.9

54 7.2 6.7 10.1

68 5.8 5.3 7.9



Abundance Ion 136.00 (135.70 to 136.70): BN006677.D (-814) (-)

Ion 137.00 (136.70 to 137.70): BN006677.D (-814) (-)

Ion 54.00 (53.70 to 54.70): BN006677.D (-814) (-)

Ion 68.00 (67.70 to 68.70): BN006677.D (-814) (-)

10.40

12000

10000

8000

6000

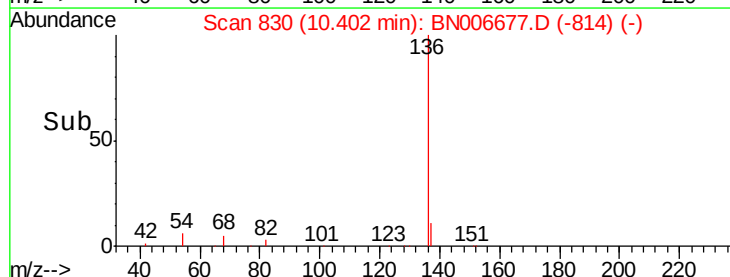
4000

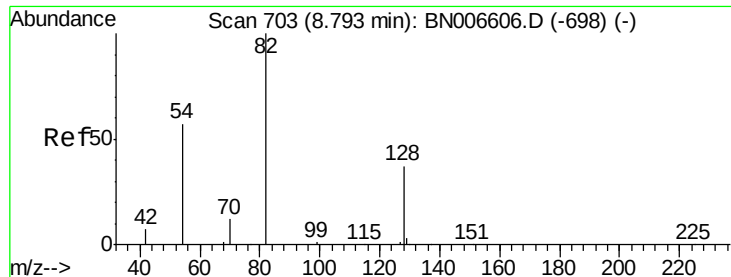
2000

0

10.30 10.40 10.50 10.60

Time-->





#8

Nitrobenzene-d5

Concen: 0.168 ng

RT: 8.79 min Scan# 703

Delta R.T. -0.00 min

Lab File: BN006677.D

Acq: 02 Jul 2019 02:17

Instrument :

BNA_N

ClientSampleId :

MW-4DL

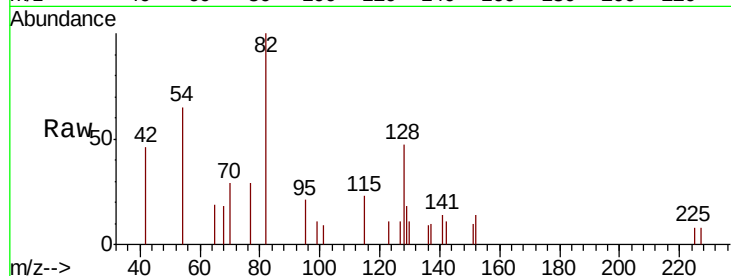
Tgt Ion: 82 Resp: 2074

Ion Ratio Lower Upper

82 100

128 47.0 32.6 49.0

54 64.7 48.2 72.4



Abundance Ion 82.00 (81.70 to 82.70): BN006677.D (-687) (-)

Ion 128.00 (127.70 to 128.70): BN006677.D (-687) (-)

Ion 54.00 (53.70 to 54.70): BN006677.D (-687) (-)

8.79

600

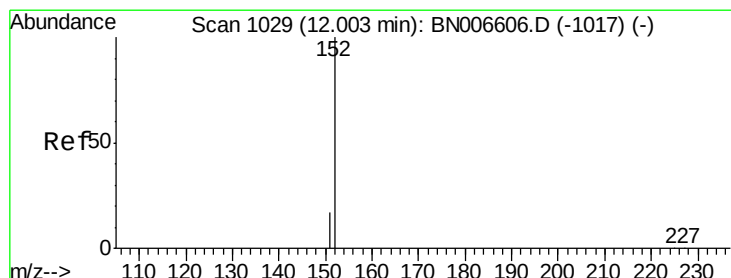
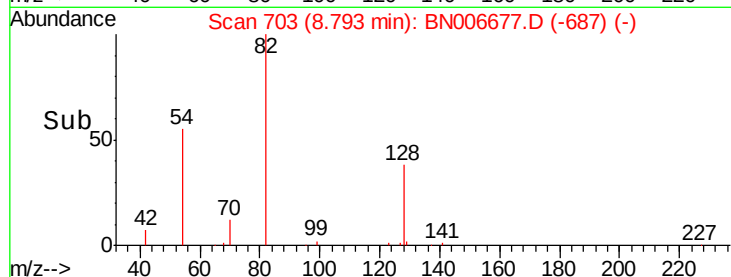
400

200

0

8.70 8.80 8.90

Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.149 ng

RT: 12.00 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BN006677.D

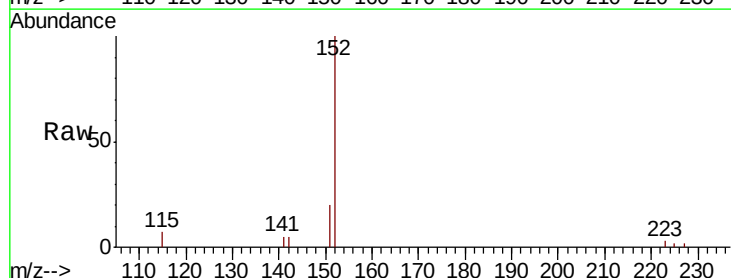
Acq: 02 Jul 2019 02:17

Tgt Ion: 152 Resp: 4311

Ion Ratio Lower Upper

152 100

151 19.0 15.0 22.4



Abundance Ion 152.00 (151.70 to 152.70): BN006677.D (-984) (-)

Ion 151.00 (150.70 to 151.70): BN006677.D (-984) (-)

12.00

2500

2000

1500

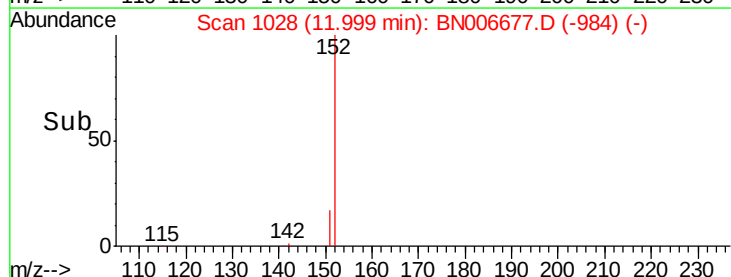
1000

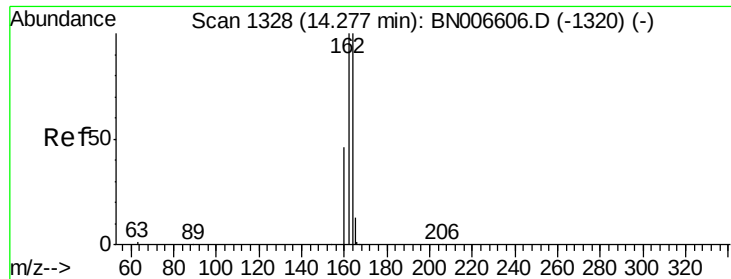
500

0

11.90 12.00 12.10

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.27 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BN006677.D

Acq: 02 Jul 2019 02:17

Instrument :

BNA_N

ClientSampleId :

MW-4DL

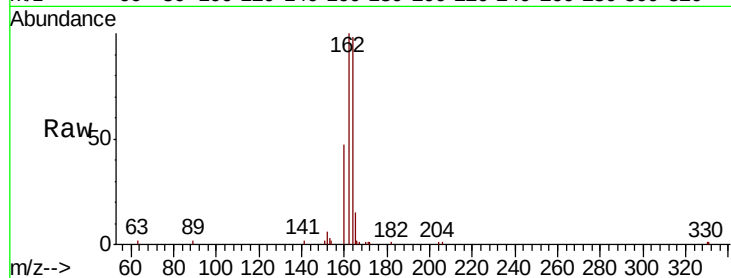
Tgt Ion:164 Resp: 10236

Ion Ratio Lower Upper

164 100

162 101.8 80.0 120.0

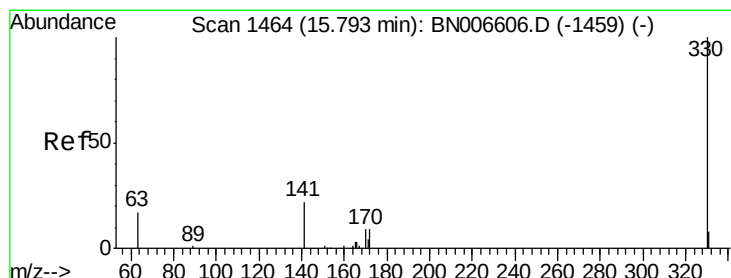
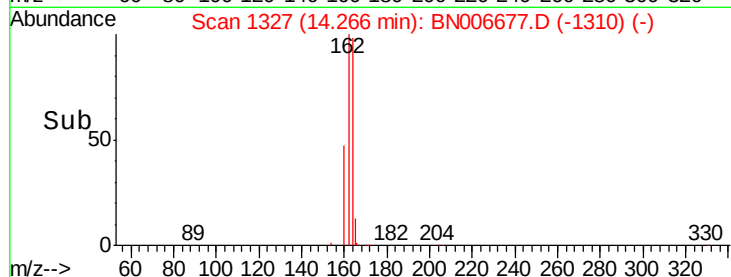
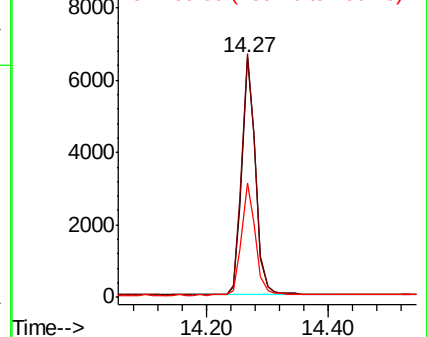
160 48.0 37.0 55.4



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: 0.177 ng

RT: 15.78 min Scan# 1463

Delta R.T. -0.01 min

Lab File: BN006677.D

Acq: 02 Jul 2019 02:17

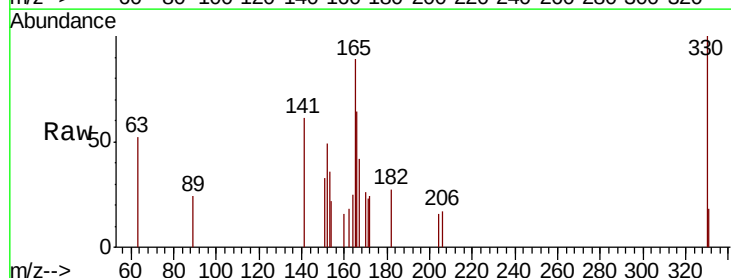
Tgt Ion:330 Resp: 853

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

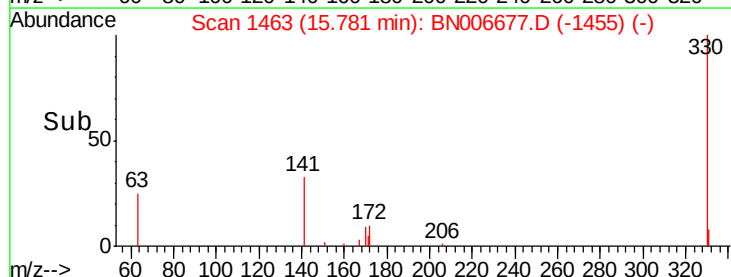
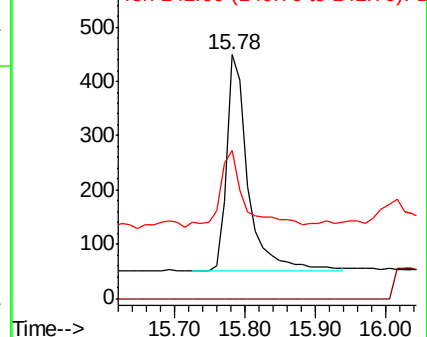
141 41.7 26.5 39.7#

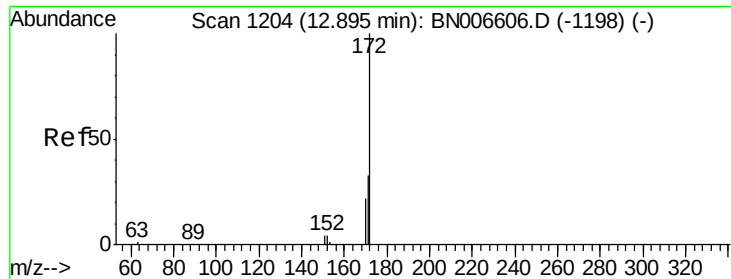


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

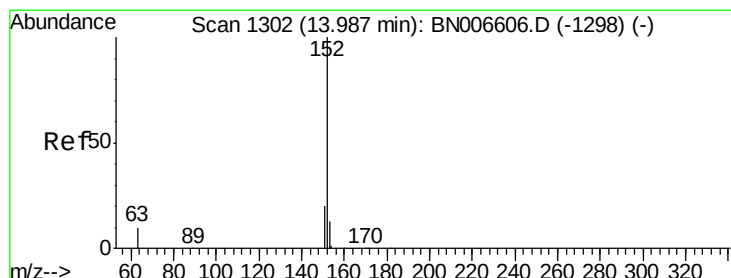
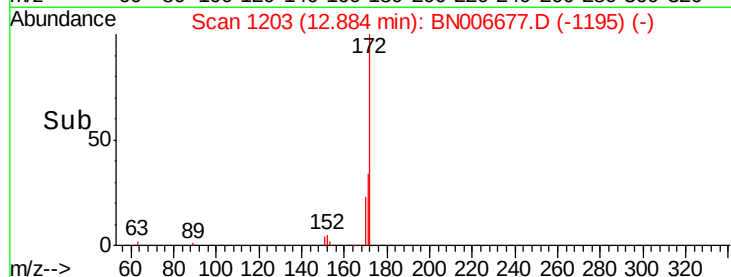
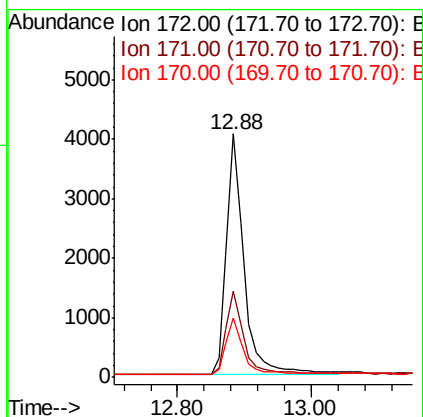
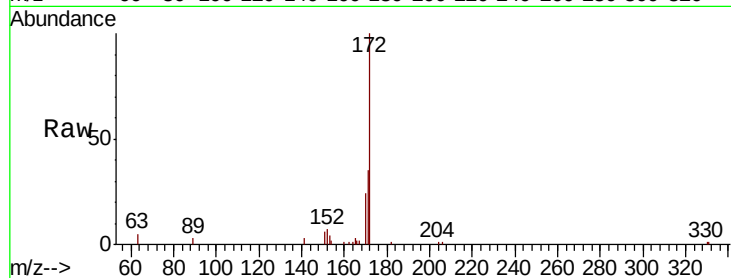




#15
2-Fluorobiphenyl
Concen: 0.193 ng
RT: 12.88 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BN006677.D
Acq: 02 Jul 2019 02:17

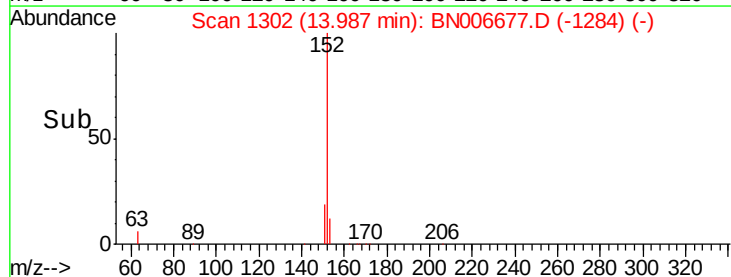
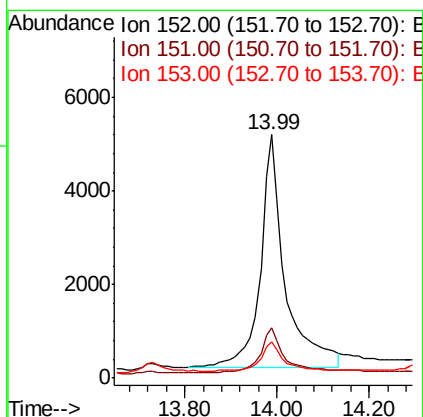
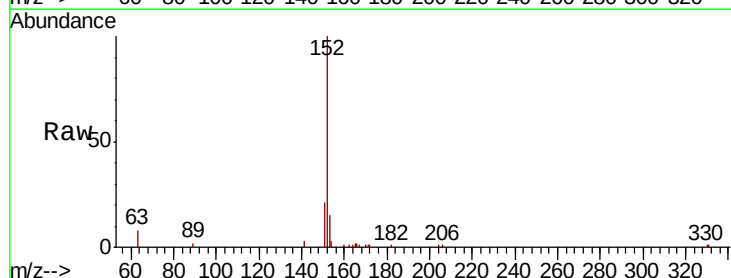
Instrument :
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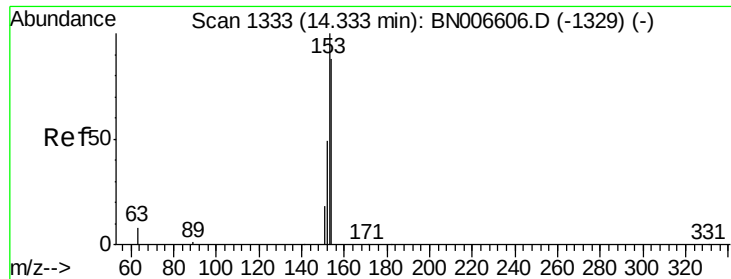
Tgt Ion:172 Resp: 7317
Ion Ratio Lower Upper
172 100
171 35.3 27.0 40.4
170 24.4 17.7 26.5



#16
Acenaphthylene
Concen: 0.372 ng
RT: 13.99 min Scan# 1302
Delta R.T. -0.00 min
Lab File: BN006677.D
Acq: 02 Jul 2019 02:17

Tgt Ion:152 Resp: 18134
Ion Ratio Lower Upper
152 100
151 19.2 15.6 23.4
153 11.0 10.5 15.7

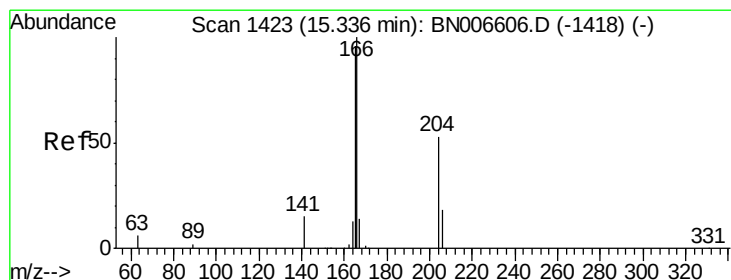
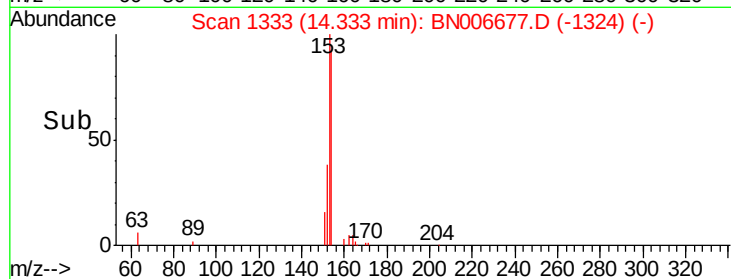
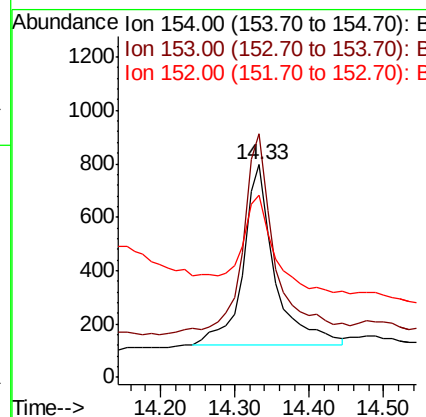
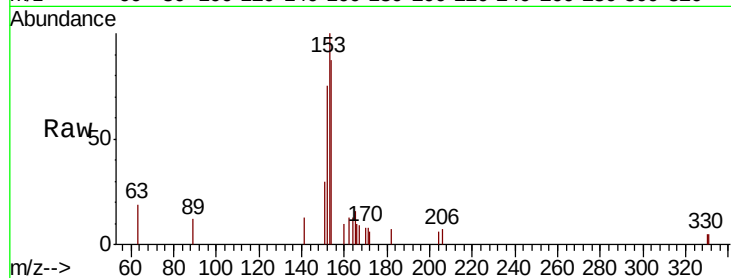




#17
Acenaphthene
Concen: 0.062 ng
RT: 14.33 min Scan# 1333
Delta R.T. -0.00 min
Lab File: BN006677.D
Acq: 02 Jul 2019 02:17

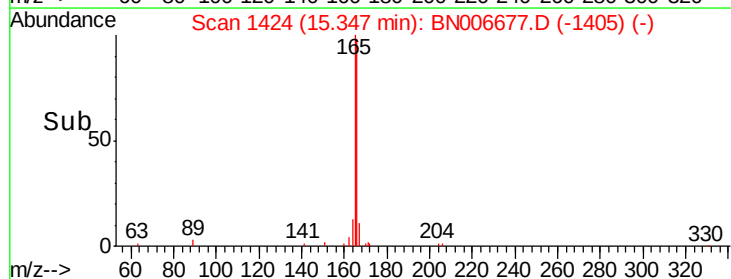
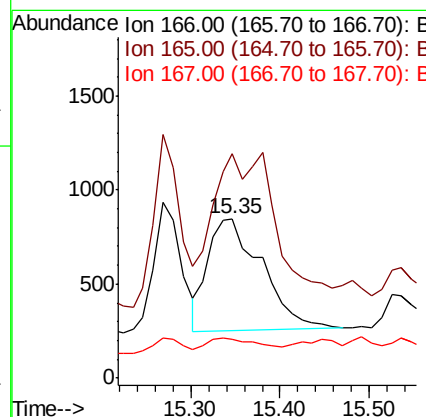
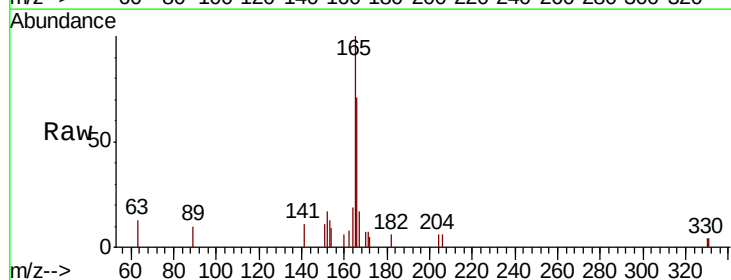
Instrument :
BNA_N
ClientSampleId :
MW-4DL

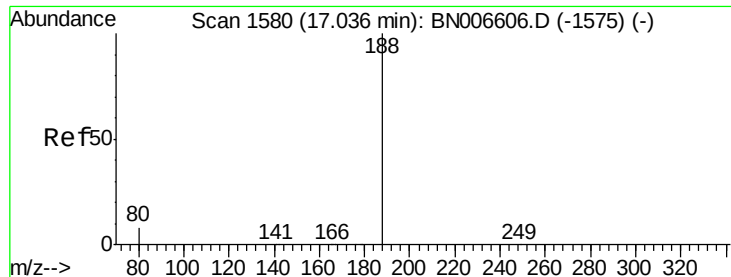
Tgt Ion:154 Resp: 1980
Ion Ratio Lower Upper
154 100
153 101.9 90.2 135.4
152 57.6 44.2 66.4



#18
Fluorene
Concen: 0.061 ng
RT: 15.35 min Scan# 1424
Delta R.T. 0.01 min
Lab File: BN006677.D
Acq: 02 Jul 2019 02:17

Tgt Ion:166 Resp: 2482
Ion Ratio Lower Upper
166 100
165 0.0 78.4 117.6#
167 9.6 10.8 16.2#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.03 min Scan# 1579

Delta R.T. -0.01 min

Lab File: BN006677.D

Acq: 02 Jul 2019 02:17

Instrument :

BNA_N

ClientSampleId :

MW-4DL

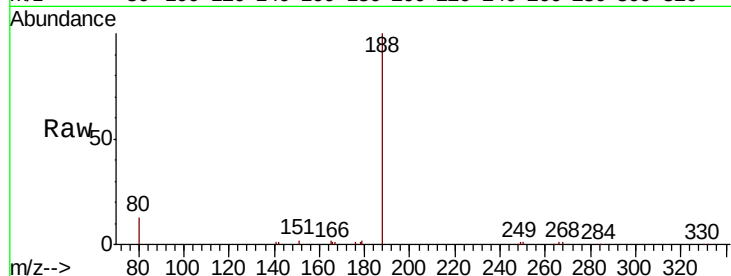
Tgt Ion:188 Resp: 21476

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

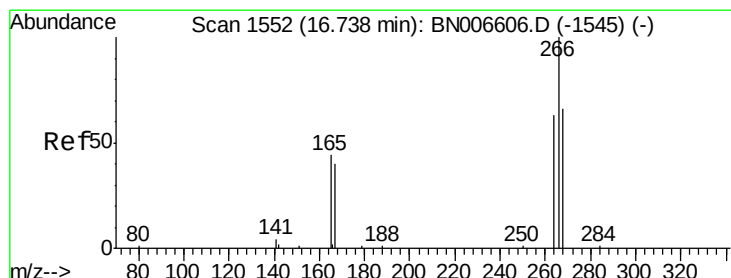
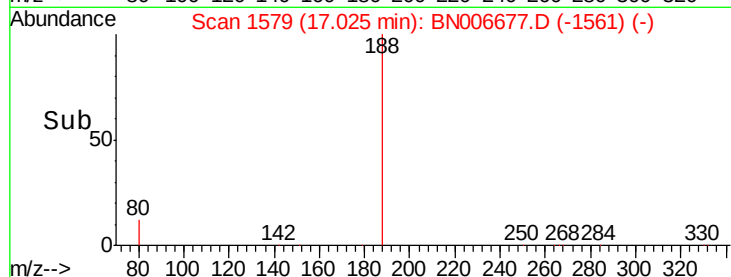
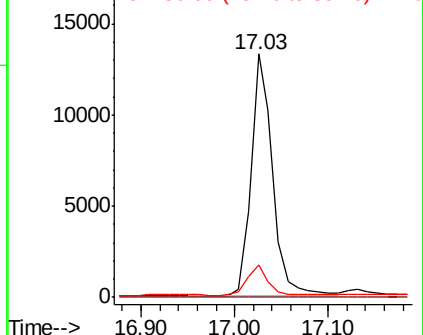
80 13.1 7.1 10.7#



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



#22

Pentachlorophenol

Concen: 0.193 ng

RT: 16.73 min Scan# 1551

Delta R.T. -0.01 min

Lab File: BN006677.D

Acq: 02 Jul 2019 02:17

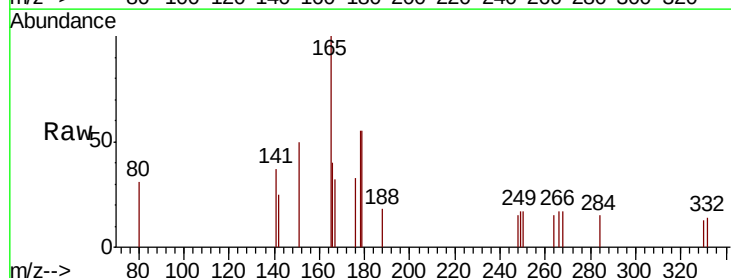
Tgt Ion:266 Resp: 4

Ion Ratio Lower Upper

266 100

264 90.1 56.2 84.4#

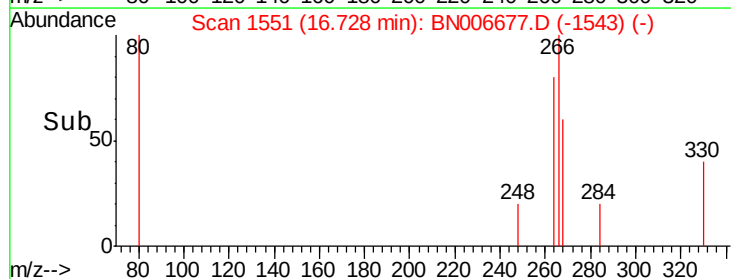
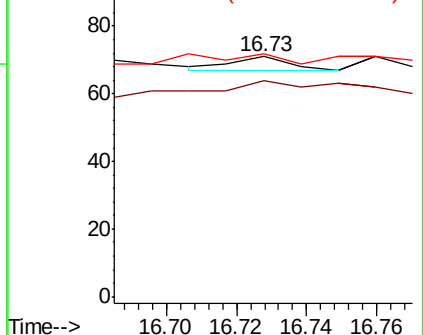
268 101.4 63.0 94.4#

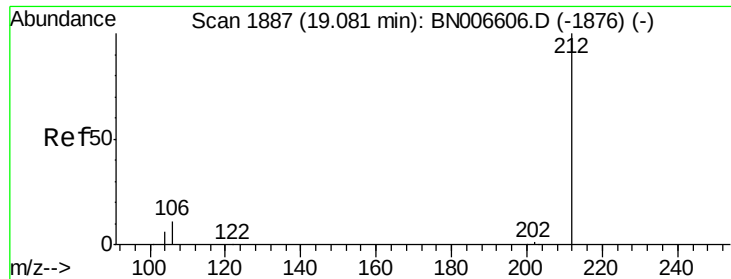


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Fluoranthene-d10

Concen: 0.164 ng

RT: 19.08 min Scan# 1886

Delta R.T. -0.01 min

Lab File: BN006677.D

Acq: 02 Jul 2019 02:17

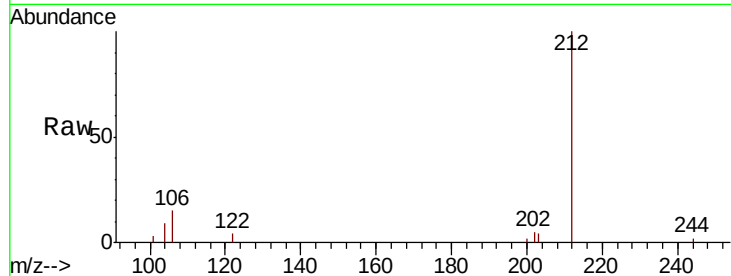
Instrument :

BNA_N

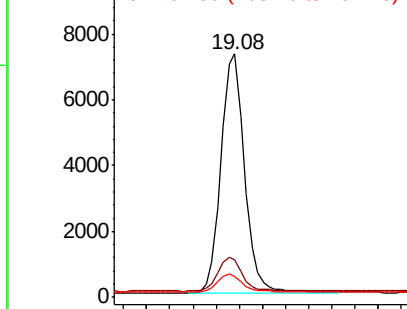
ClientSampleId :

MW-4DL

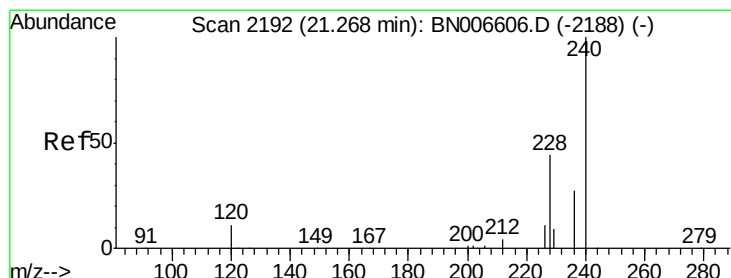
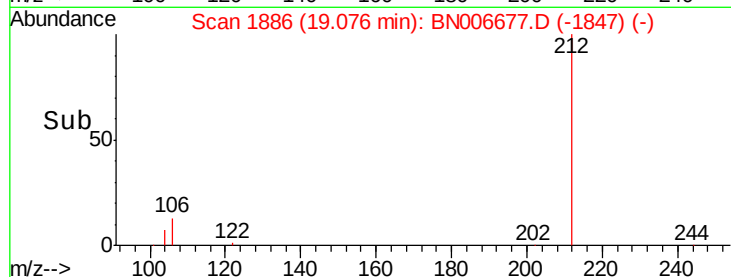
Tgt Ion:	212	Resp:	10347
Ion	Ratio	Lower	Upper
212	100		
106	15.2	10.6	15.8
104	8.3	5.8	8.6



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



Time-->



#27

Chrysene-d12

Concen: 0.400 ng

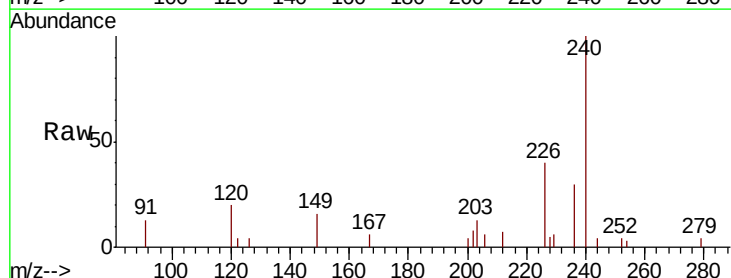
RT: 21.25 min Scan# 2190

Delta R.T. -0.02 min

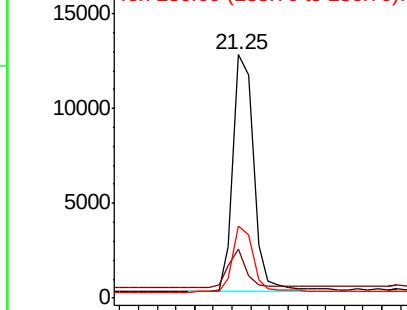
Lab File: BN006677.D

Acq: 02 Jul 2019 02:17

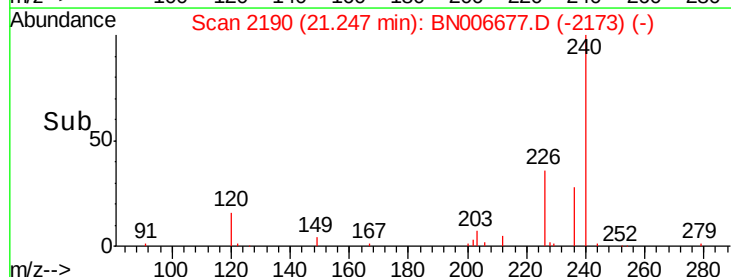
Tgt Ion:	240	Resp:	19325
Ion	Ratio	Lower	Upper
240	100		
120	20.0	9.9	14.9#
236	29.8	22.2	33.4

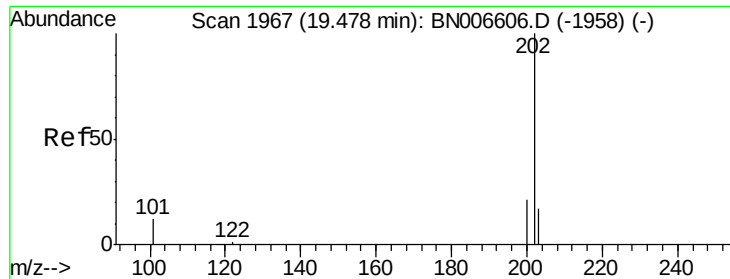


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



Time-->

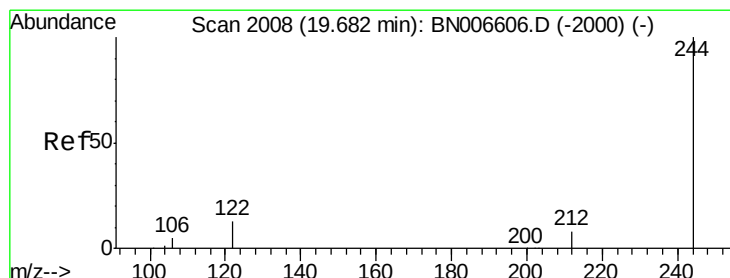
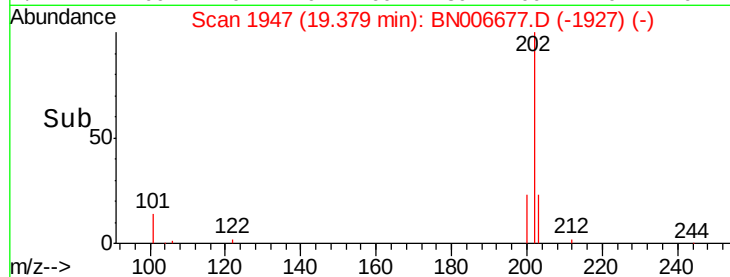
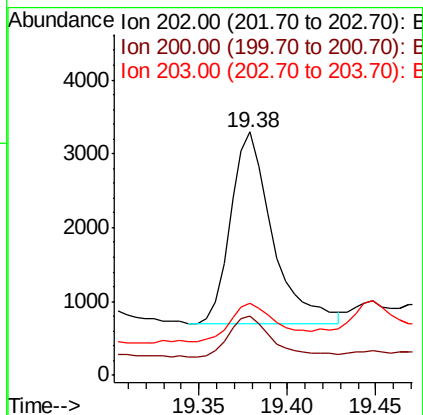
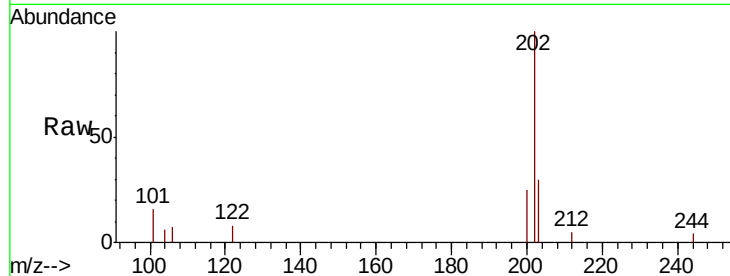




#28
 Pyrene
 Concen: 0.064 ng
 RT: 19.38 min Scan# 1947
 Delta R.T. -0.10 min
 Lab File: BN006677.D
 Acq: 02 Jul 2019 02:17

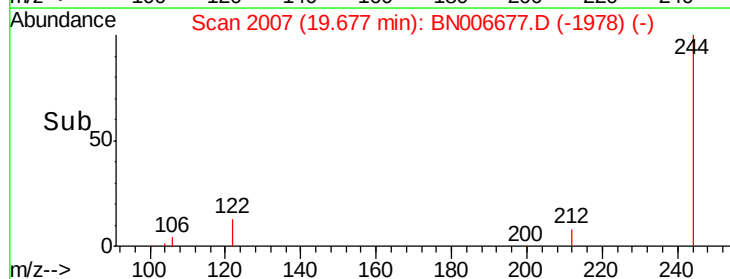
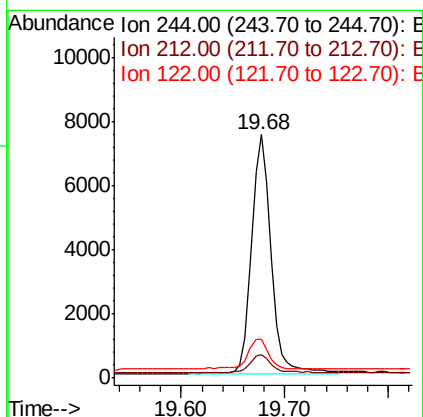
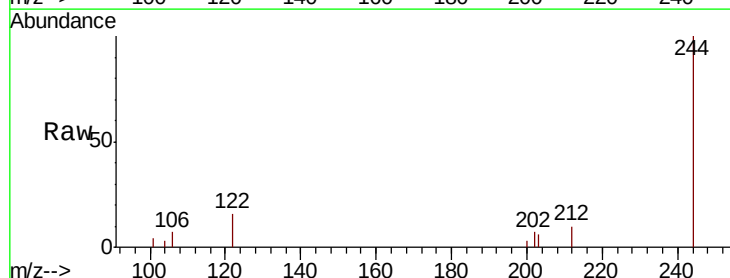
Instrument :
 BNA_N
 ClientSampleId :
 MW-4DL

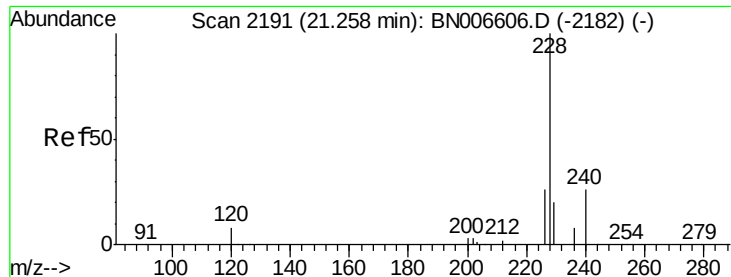
Tgt Ion:202 Resp: 4304
 Ion Ratio Lower Upper
 202 100
 200 22.2 16.7 25.1
 203 25.0 14.1 21.1#



#29
 Terphenyl-d14
 Concen: 0.232 ng
 RT: 19.68 min Scan# 2007
 Delta R.T. -0.01 min
 Lab File: BN006677.D
 Acq: 02 Jul 2019 02:17

Tgt Ion:244 Resp: 9406
 Ion Ratio Lower Upper
 244 100
 212 9.8 6.7 10.1
 122 16.2 11.0 16.6

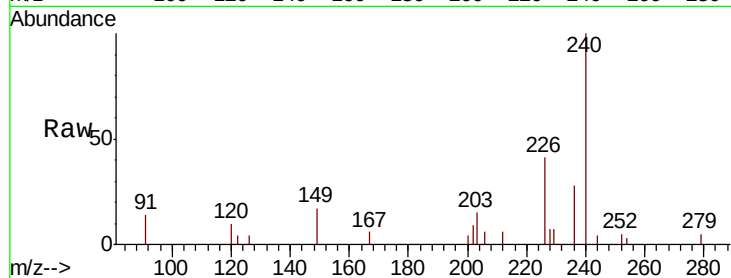




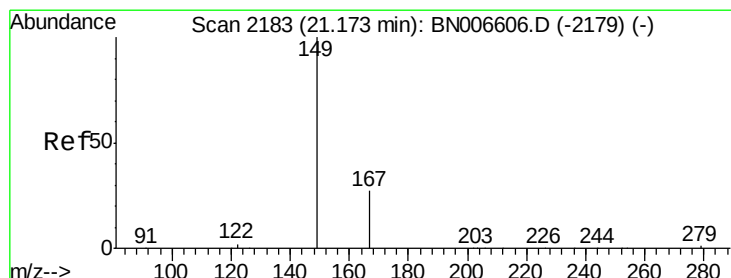
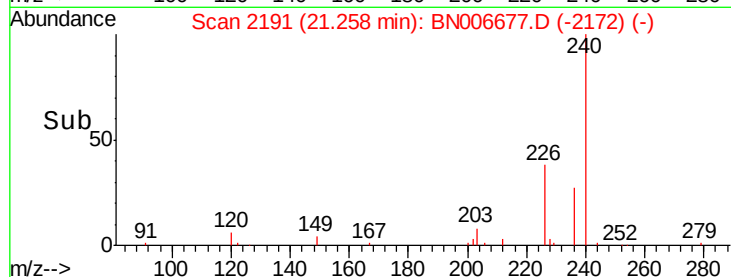
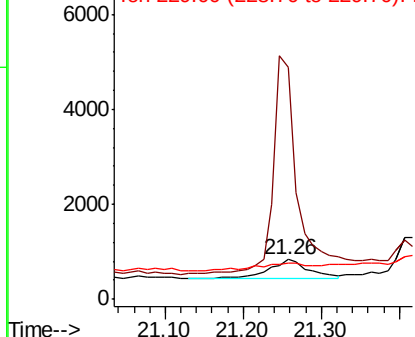
#30
 Benzo(a)anthracene
 Concen: 0.025 ng
 RT: 21.26 min Scan# 2191
 Delta R.T. -0.00 min
 Lab File: BN006677.D
 Acq: 02 Jul 2019 02:17

Instrument :
 BNA_N
 ClientSampleId :
 MW-4DL

Tgt Ion: 228 Resp: 1561
 Ion Ratio Lower Upper
 228 100
 226 587.5 21.2 31.8#
 229 93.3 16.1 24.1#

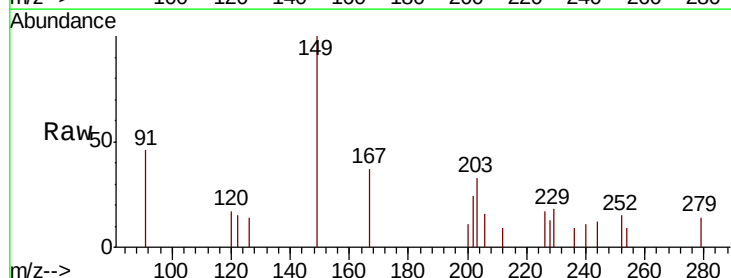


Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

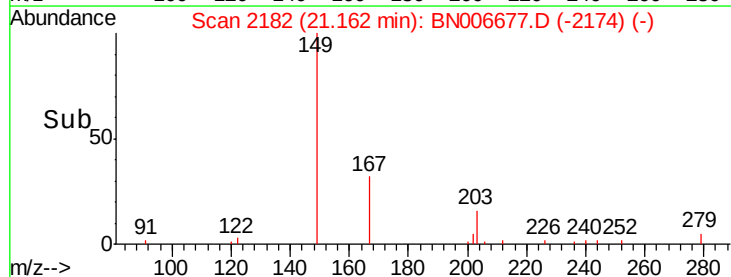
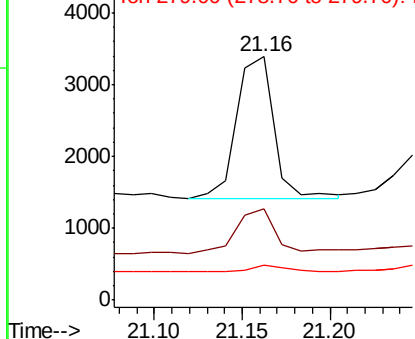


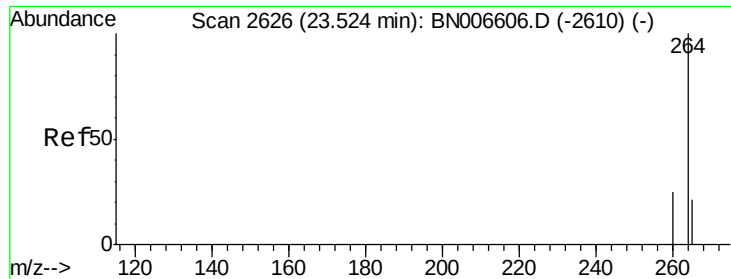
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.090 ng
 RT: 21.16 min Scan# 2182
 Delta R.T. -0.01 min
 Lab File: BN006677.D
 Acq: 02 Jul 2019 02:17

Tgt Ion: 149 Resp: 2873
 Ion Ratio Lower Upper
 149 100
 167 34.5 22.9 34.3#
 279 5.0 3.3 4.9#



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





#34

Perylene-d12

Concen: 0.400 ng

RT: 23.49 min Scan# 2615

Delta R.T. -0.04 min

Lab File: BN006677.D

Acq: 02 Jul 2019 02:17

Instrument :

BNA_N

ClientSampleId :

MW-4DL

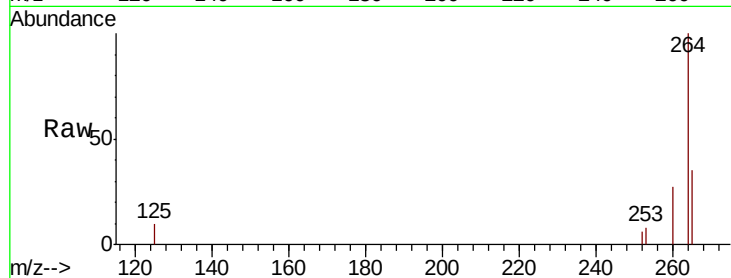
Tgt Ion:264 Resp: 22363

Ion Ratio Lower Upper

264 100

260 26.7 20.2 30.2

265 35.3 23.3 34.9#



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

