

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN031020\
 Data File : BN010167.D
 Acq On : 10 Mar 2020 19:28
 Operator : CG/JU
 Sample : L1842-13
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DUP01-20200304

Quant Time: Mar 11 03:22:38 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN021920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 19 15:57:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	722	0.40	ng	-0.05
7) Naphthalene-d8	10.14	136	2446	0.40	ng	-0.04
13) Acenaphthene-d10	14.01	164	1545	0.40	ng	-0.05
19) Phenanthrene-d10	16.79	188	3115	0.40	ng	-0.03
27) Chrysene-d12	21.00	240	3459	0.40	ng	-0.04
34) Perylene-d12	23.09	264	3780	0.40	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.04	112	348	0.22	ng	-0.04
5) Phenol-d6	6.63	99	223	0.11	ng	-0.02
8) Nitrobenzene-d5	8.59	82	795	0.39	ng	0.00
11) 2-Methylnaphthalene-d10	11.74	152	1631	0.34	ng	-0.04
14) 2,4,6-Tribromophenol	15.56	330	304	0.51	ng	-0.03
15) 2-Fluorobiphenyl	12.64	172	2570	0.44	ng	-0.05
25) Fluoranthene-d10	18.82	212	4000	0.37	ng	-0.04
29) Terphenyl-d14	19.42	244	4360	0.53	ng	-0.05

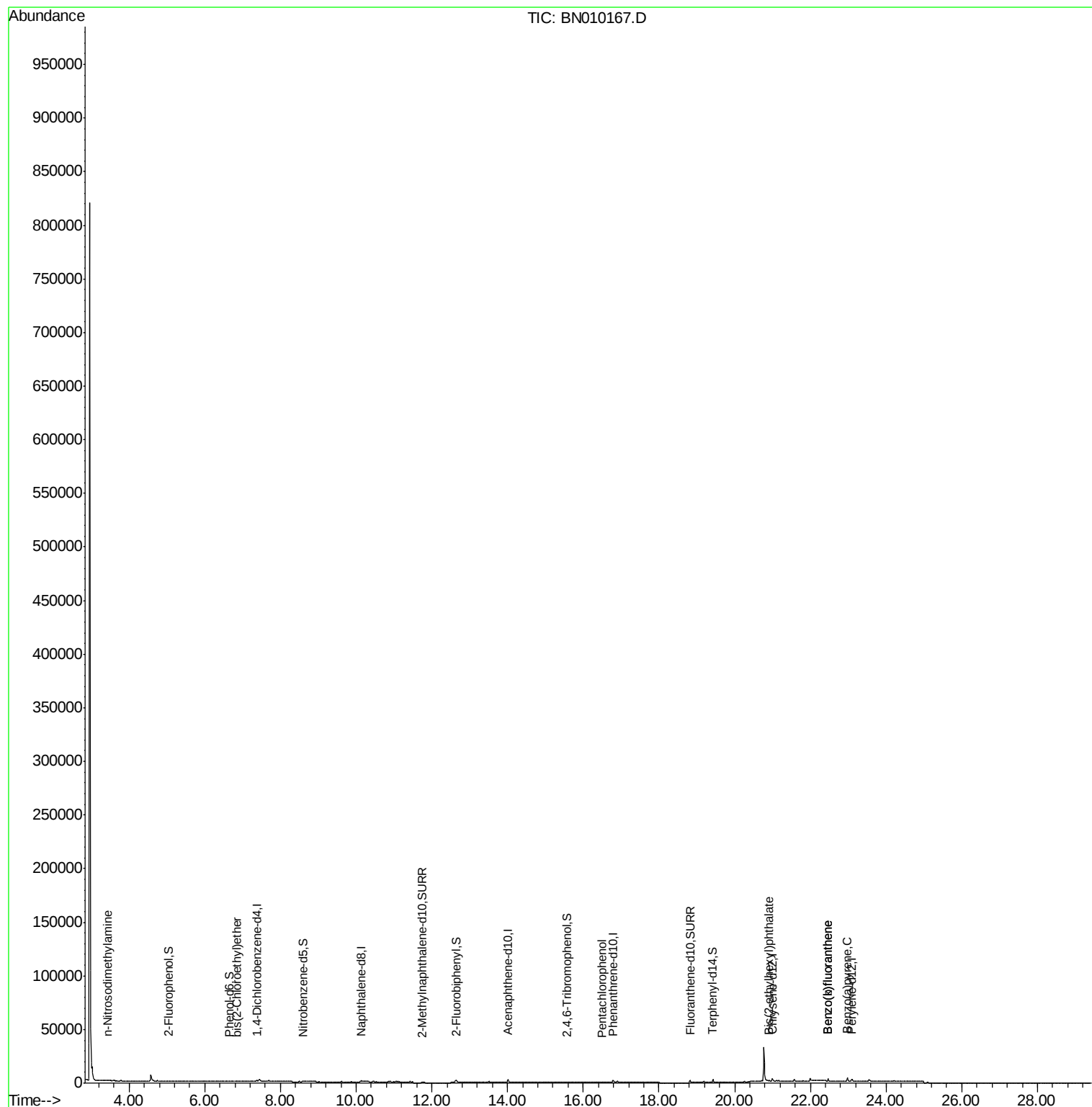
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.45	42	26	0.021	ng	# 6
6) bis(2-Chloroethyl)ether	6.86	93	160	0.084	ng	# 82
20) 4-Bromophenyl-phenylether	16.01	248	29	Below Cal		# 75
22) Pentachlorophenol	16.50	266	5	0.186	ng	# 77
32) Bis(2-ethylhexyl)phthalate	20.91	149	1046	0.187	ng	# 86
35) Benzo(b)fluoranthene	22.47	252	327	0.024	ng	# 1
36) Benzo(k)fluoranthene	22.47	252	327	0.022	ng	# 1
37) Benzo(a)pyrene	22.98	252	300	0.024	ng	# 1

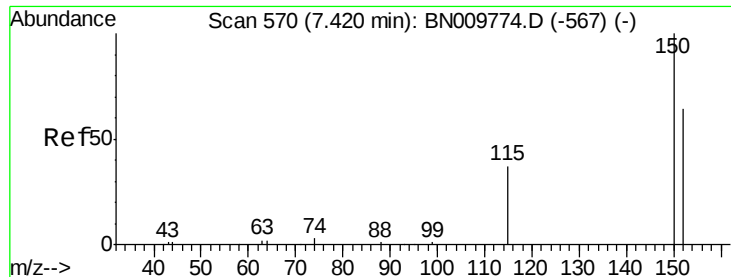
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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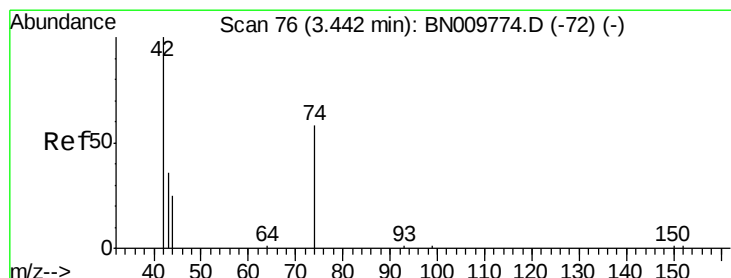
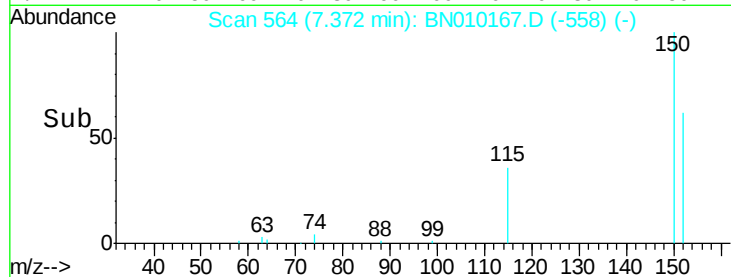
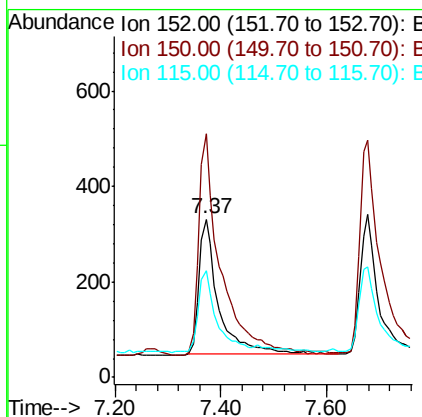
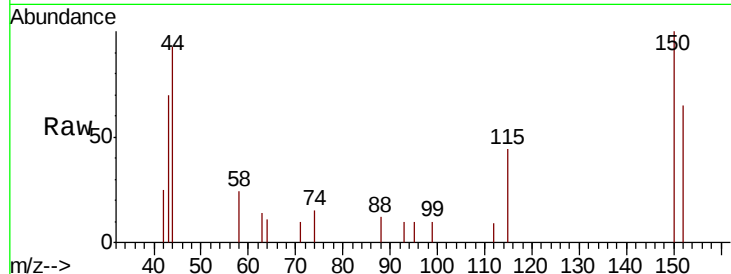




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.37 min Scan# 564
 Delta R.T. -0.05 min
 Lab File: BN010167.D
 Acq: 10 Mar 2020 19:28

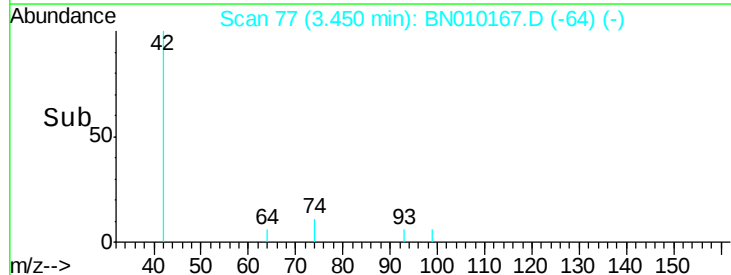
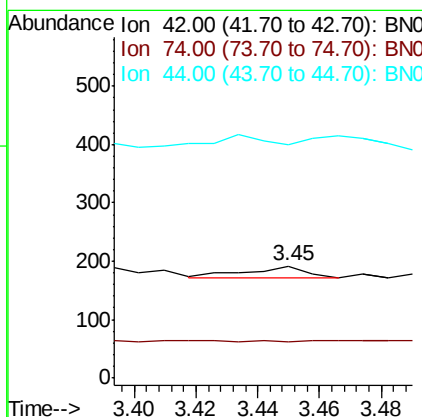
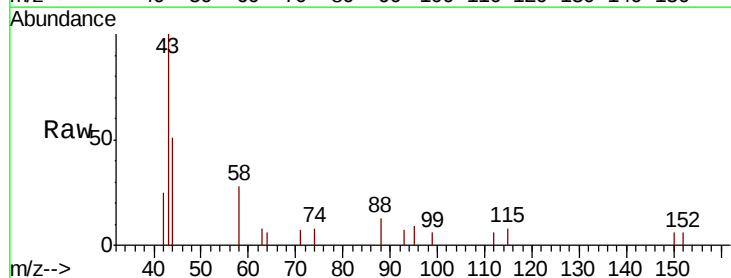
Instrument :
 BNA_N
 ClientSampleId :
 DUP01-20200304

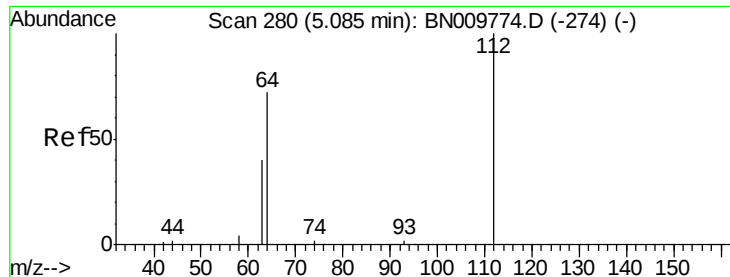
Tot Ion:152 Resp: 722
 Ion Ratio Lower Upper
 152 100
 150 153.6 120.6 181.0
 115 67.2 51.2 76.8



#3
 n-Nitrosodimethylamine
 Concen: 0.021 ng
 RT: 3.45 min Scan# 77
 Delta R.T. 0.01 min
 Lab File: BN010167.D
 Acq: 10 Mar 2020 19:28

Tgt Ion: 42 Resp: 26
 Ion Ratio Lower Upper
 42 100
 74 0.0 51.2 76.8#
 44 115.4 2.6 4.0#

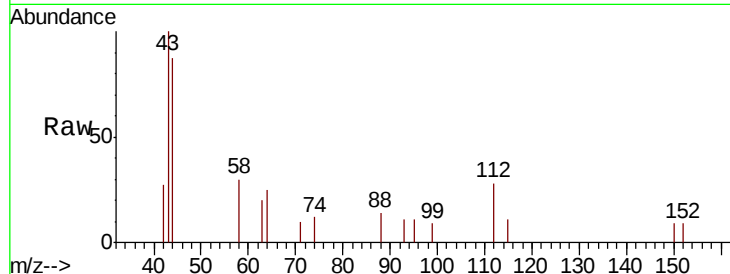




#4
 2-Fluorophenol
 Concen: 0.217 ng
 RT: 5.04 min Scan# 275
 Delta R.T. -0.04 min
 Lab File: BN010167.D
 Acq: 10 Mar 2020 19:28

Instrument :
 BNA_N
 ClientSampleId :
 DUP01-20200304

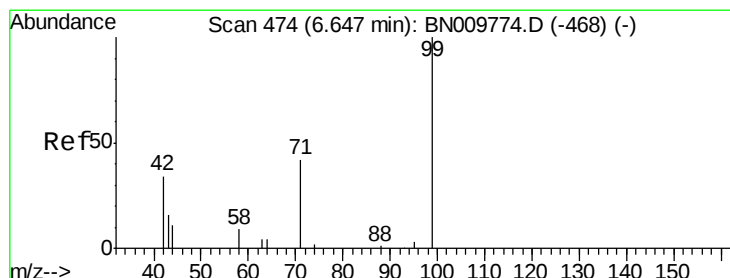
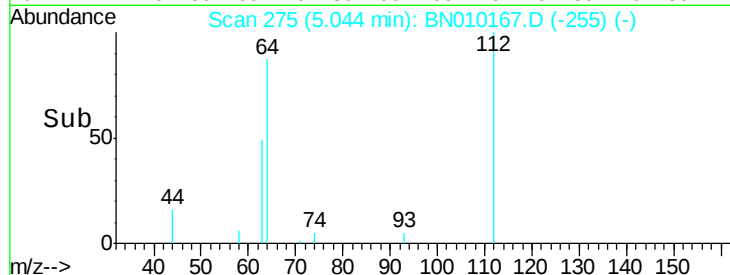
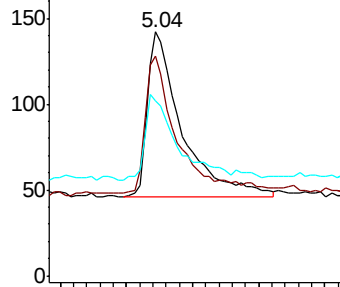
Tot Ion:	112	Resp:	348
Ion	Ratio	Lower	Upper
112	100		
64	78.4	65.8	98.6
63	47.4	38.7	58.1



Abundance Ion 112.00 (111.70 to 112.70): E

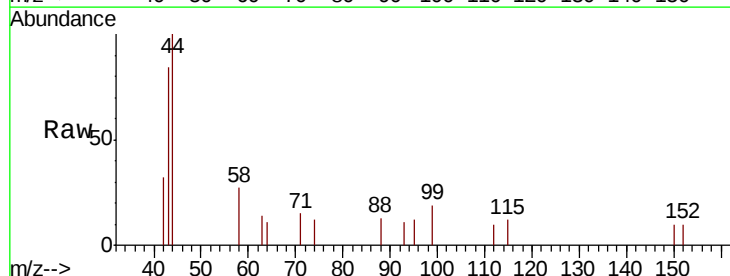
Ion 64.00 (63.70 to 64.70): BN0

Ion 63.00 (62.70 to 63.70): BN0



#5
 Phenol-d6
 Concen: 0.114 ng
 RT: 6.63 min Scan# 472
 Delta R.T. -0.02 min
 Lab File: BN010167.D
 Acq: 10 Mar 2020 19:28

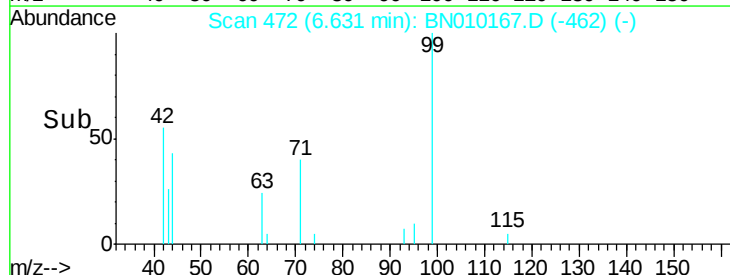
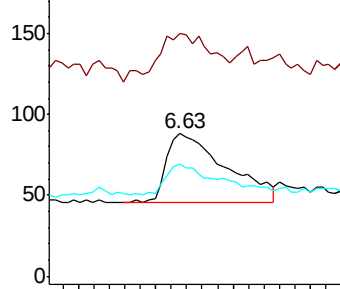
Tgt Ion:	99	Resp:	223
Ion	Ratio	Lower	Upper
99	100		
42	65.9	30.8	46.2#
71	42.6	34.9	52.3

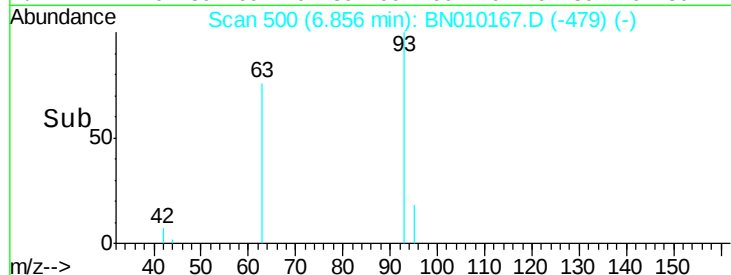
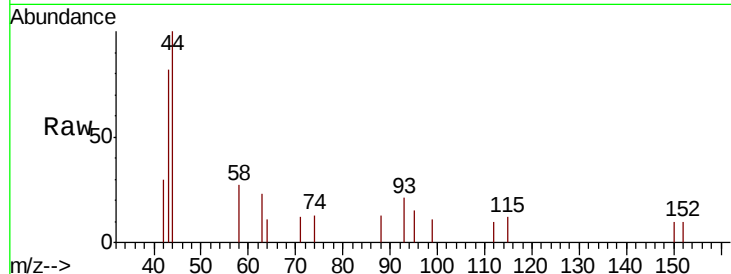
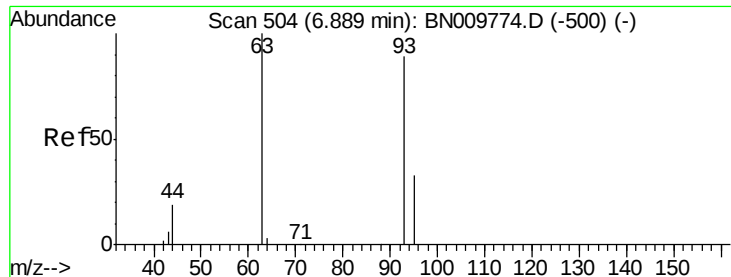


Abundance Ion 99.00 (98.70 to 99.70): BN0

Ion 42.00 (41.70 to 42.70): BN0

Ion 71.00 (70.70 to 71.70): BN0





#6

bis(2-Chloroethyl)ether

Concen: 0.084 ng

RT: 6.86 min Scan# 500

Delta R.T. -0.03 min

Lab File: BN010167.D

Acq: 10 Mar 2020 19:28

Instrument :

BNA_N

ClientSampleId :

DUP01-20200304

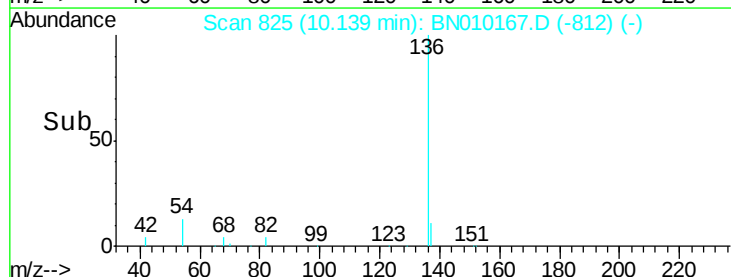
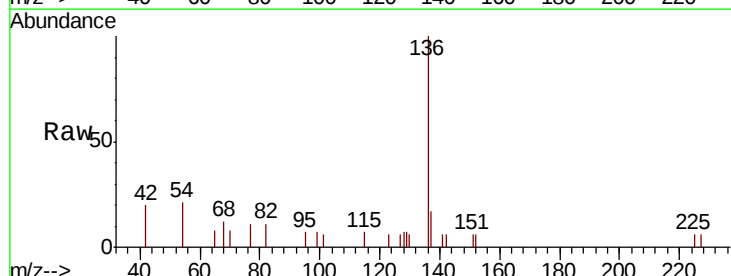
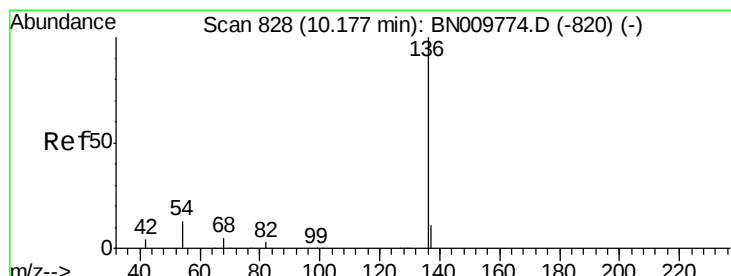
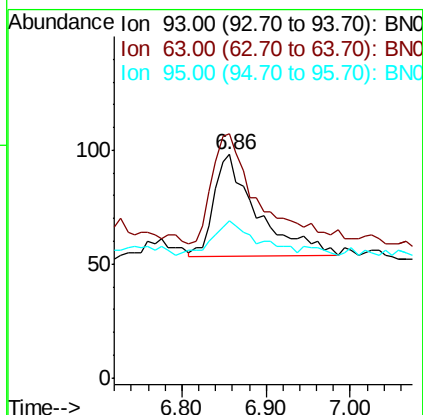
Tot Ion: 93 Resp: 160

Ion Ratio Lower Upper

93 100

63 116.3 74.0 111.0#

95 33.8 26.7 40.1



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.14 min Scan# 825

Delta R.T. -0.04 min

Lab File: BN010167.D

Acq: 10 Mar 2020 19:28

Tgt Ion: 136 Resp: 2446

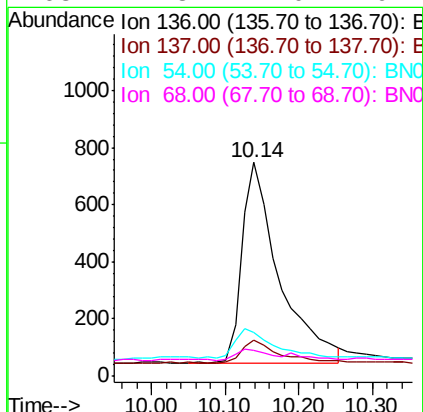
Ion Ratio Lower Upper

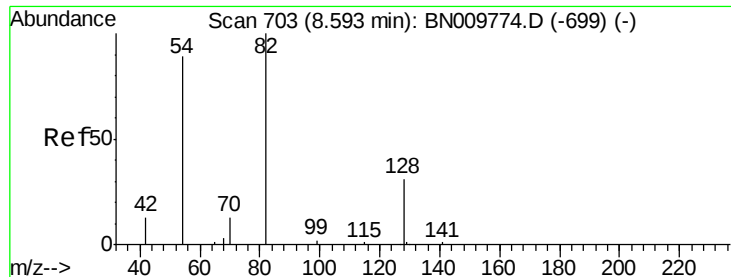
136 100

137 17.0 11.3 16.9#

54 20.6 13.4 20.2#

68 11.8 7.0 10.4#





#8

Nitrobenzene-d5

Concen: 0.391 ng

RT: 8.59 min Scan# 703

Delta R.T. -0.00 min

Lab File: BN010167.D

Acq: 10 Mar 2020 19:28

Instrument :

BNA_N

ClientSampleId :

DUP01-20200304

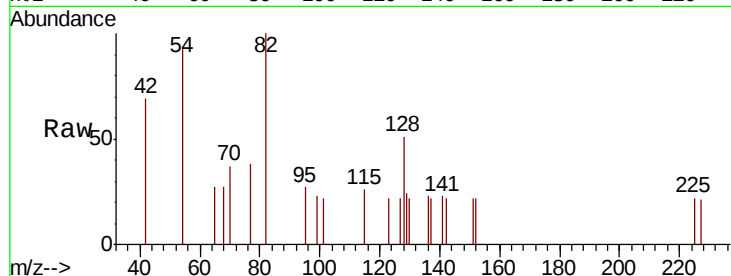
Tot Ion: 82 Resp: 795

Ion Ratio Lower Upper

82 100

128 51.2 32.5 48.7#

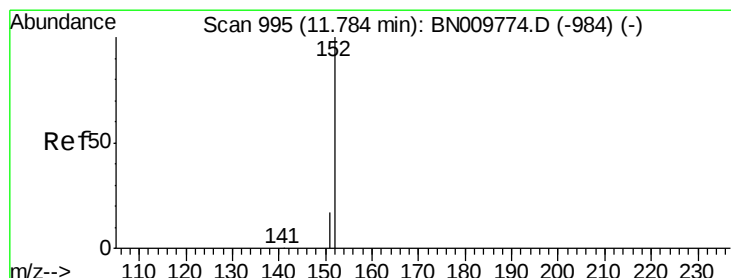
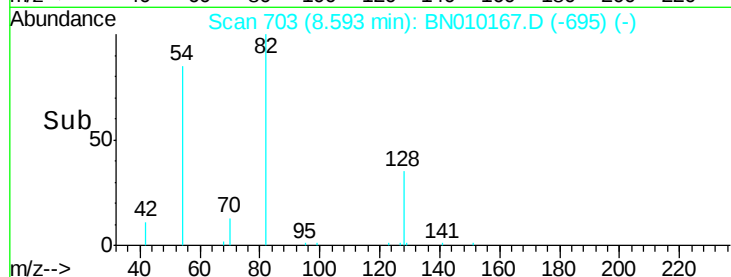
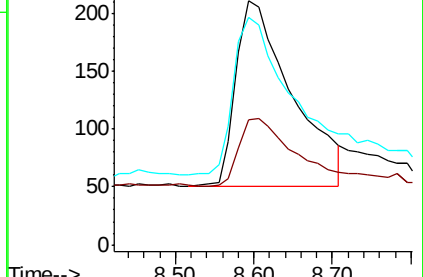
54 93.4 73.5 110.3



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: 0.345 ng

RT: 11.74 min Scan# 986

Delta R.T. -0.04 min

Lab File: BN010167.D

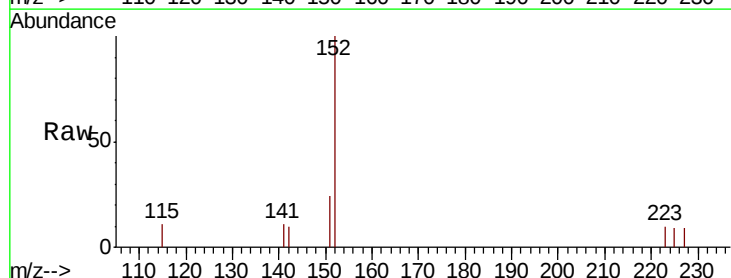
Acq: 10 Mar 2020 19:28

Tgt Ion: 152 Resp: 1631

Ion Ratio Lower Upper

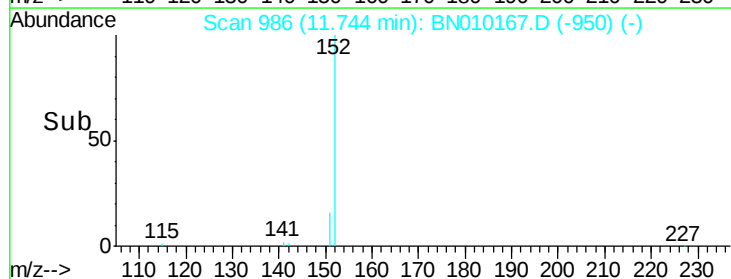
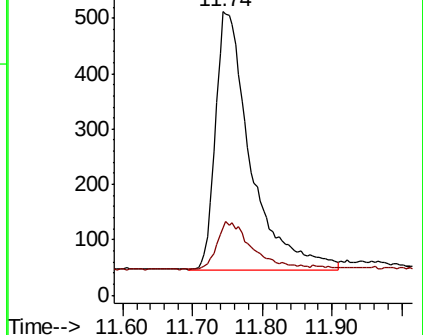
152 100

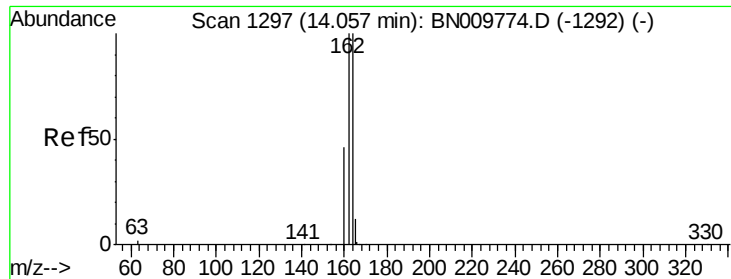
151 17.5 15.1 22.7



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: 14.01 min Scan# 1292

Delta R.T. -0.05 min

Lab File: BN010167.D

Acq: 10 Mar 2020 19:28

Instrument :

BNA_N

ClientSampleId :

DUP01-20200304

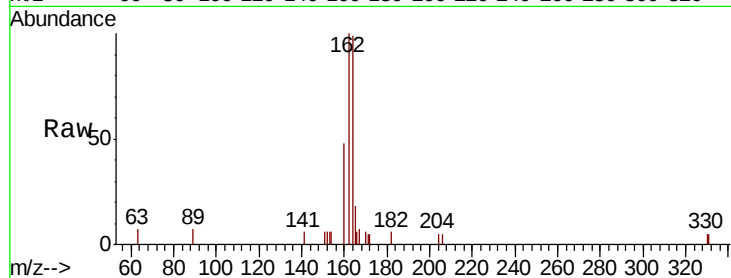
Tot Ion:164 Resp: 1545

Ion Ratio Lower Upper

164 100

162 101.3 79.9 119.9

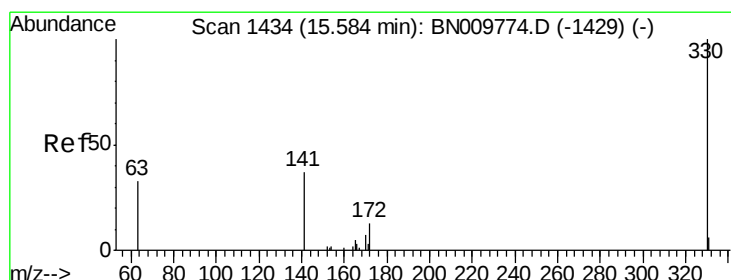
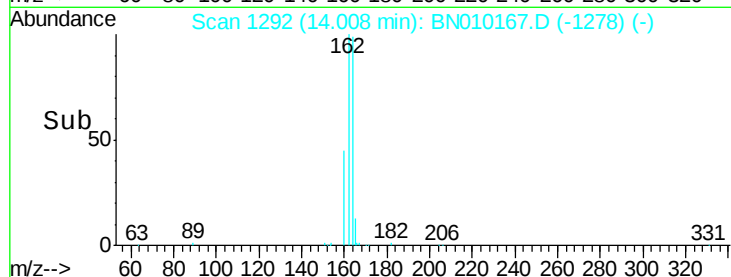
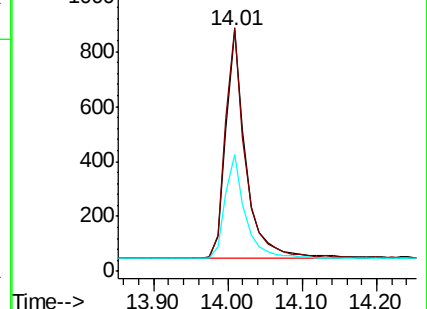
160 48.4 38.2 57.2



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: 0.511 ng

RT: 15.56 min Scan# 1431

Delta R.T. -0.03 min

Lab File: BN010167.D

Acq: 10 Mar 2020 19:28

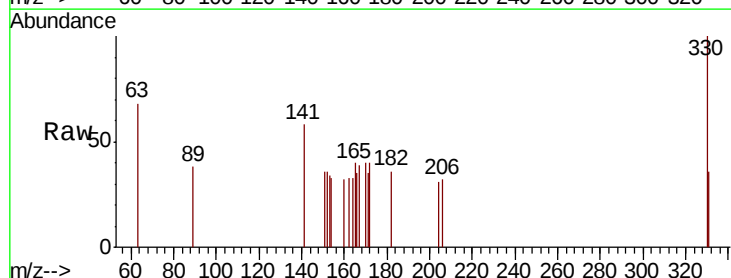
Tgt Ion:330 Resp: 304

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

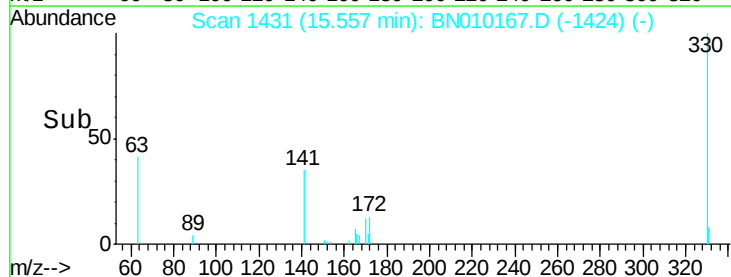
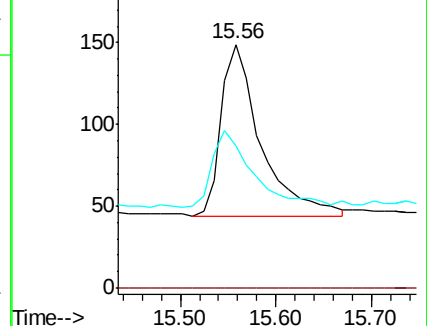
141 48.4 36.8 55.2

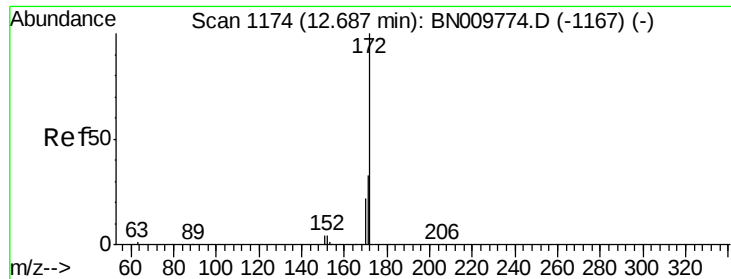


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

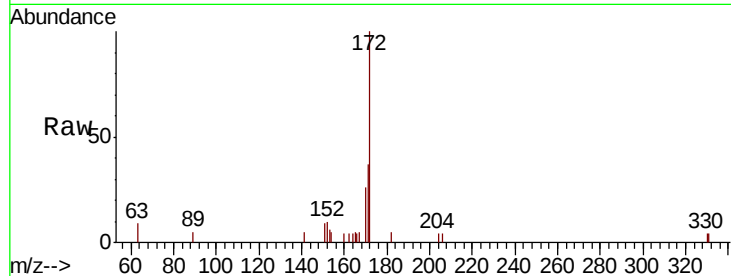




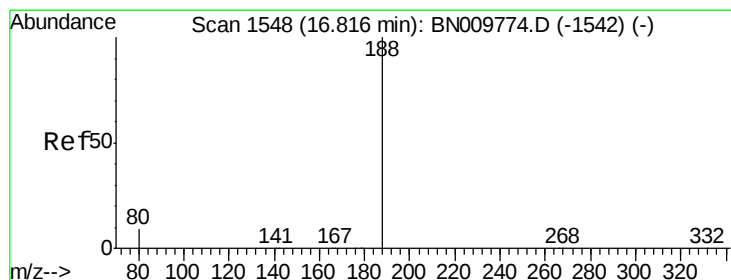
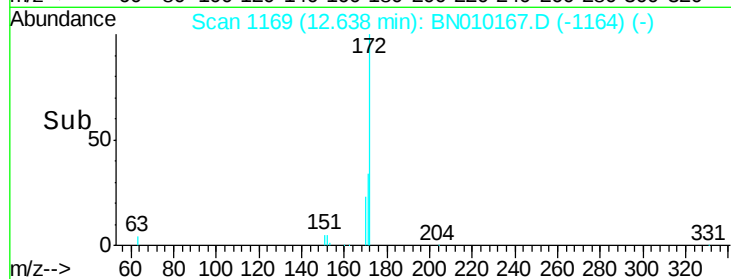
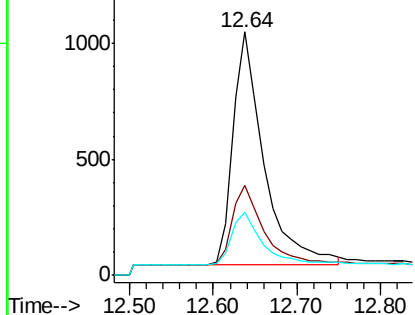
#15
2-Fluorobiphenyl
Concen: 0.441 ng
RT: 12.64 min Scan# 1169
Delta R.T. -0.05 min
Lab File: BN010167.D
Acq: 10 Mar 2020 19:28

Instrument :
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DUP01-20200304

Tot Ion:172 Resp: 2570
Ion Ratio Lower Upper
172 100
171 36.9 28.7 43.1
170 26.0 20.1 30.1

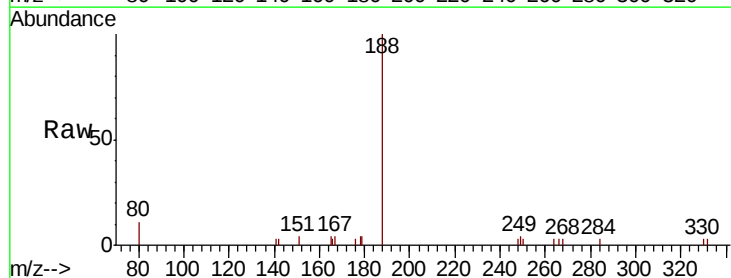


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

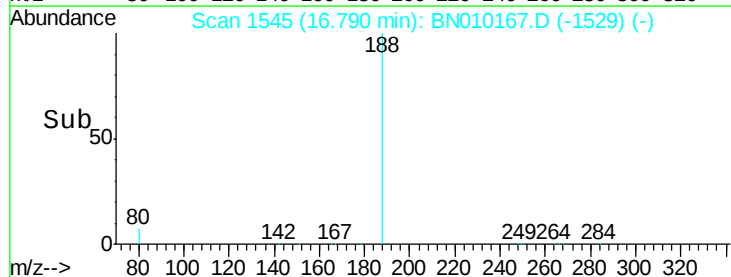
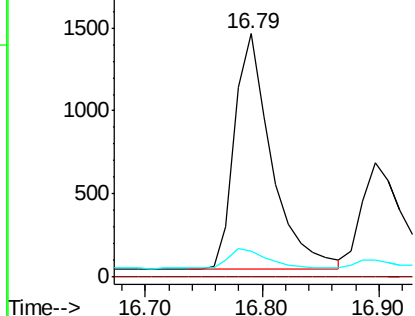


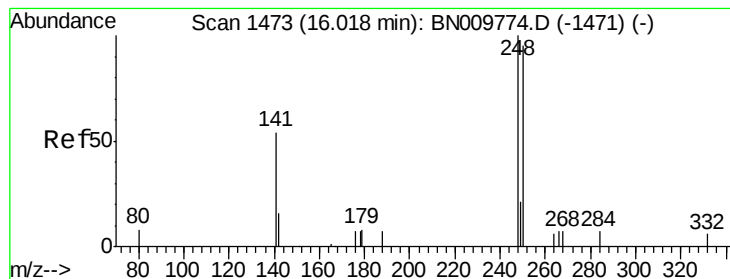
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.79 min Scan# 1545
Delta R.T. -0.03 min
Lab File: BN010167.D
Acq: 10 Mar 2020 19:28

Tgt Ion:188 Resp: 3115
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.9 8.3 12.5



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-Bromophenyl-phenylether

Concen: Below Cal

RT: 16.01 min Scan# 1472

Delta R.T. -0.00 min

Lab File: BN010167.D

Acq: 10 Mar 2020 19:28

Instrument :

BNA_N

ClientSampleId :

DUP01-20200304

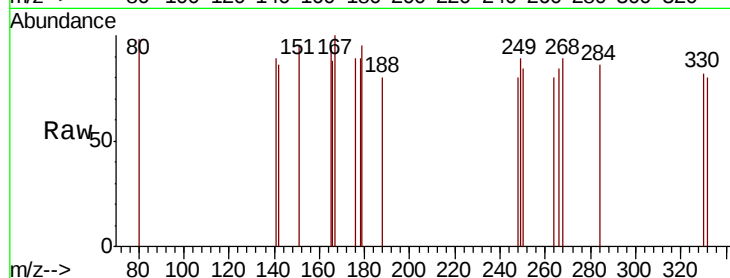
Tot Ion:248 Resp: 29

Ion Ratio Lower Upper

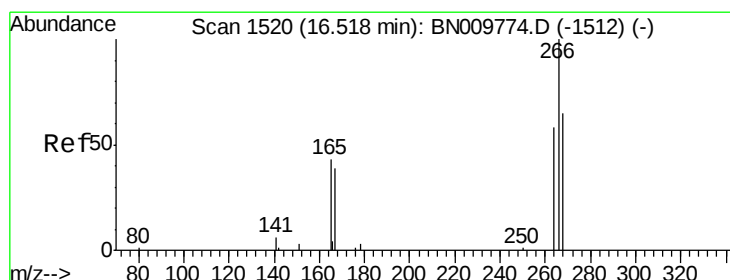
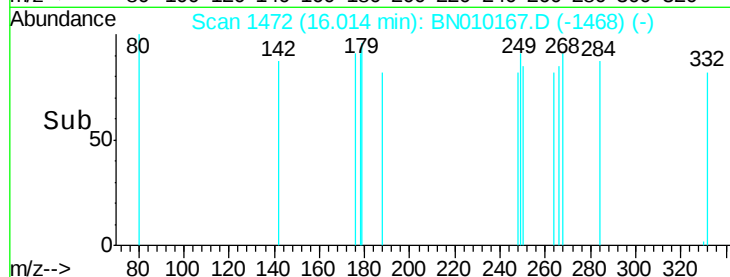
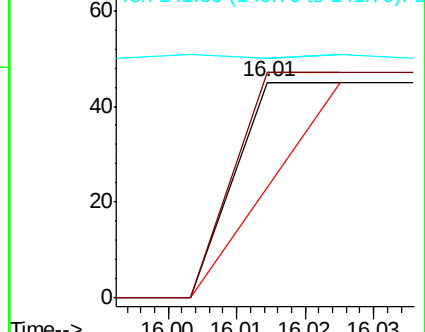
248 100

250 104.4 76.2 114.4

141 111.1 57.8 86.6#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E



#22

Pentachlorophenol

Concen: 0.186 ng

RT: 16.50 min Scan# 1518

Delta R.T. -0.01 min

Lab File: BN010167.D

Acq: 10 Mar 2020 19:28

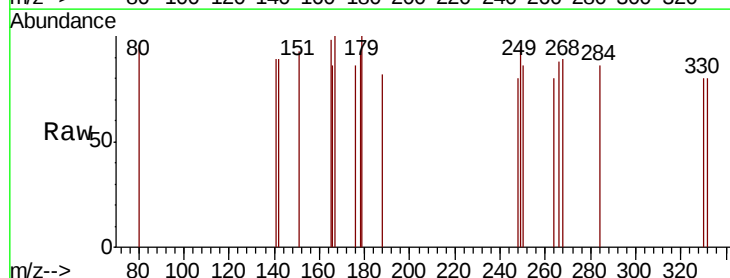
Tgt Ion:266 Resp: 5

Ion Ratio Lower Upper

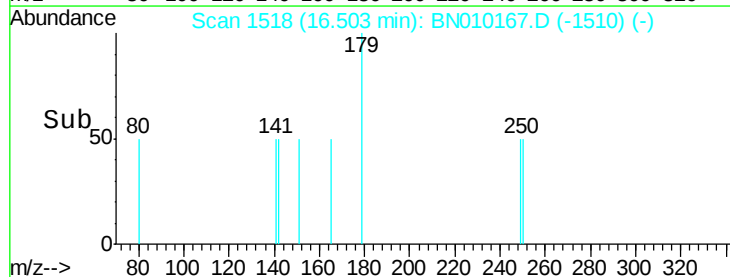
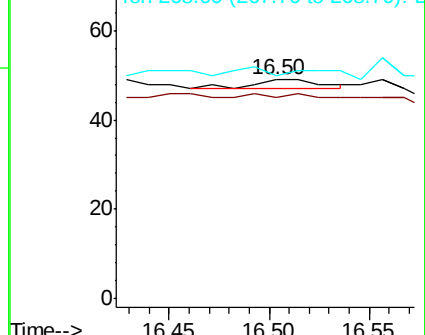
266 100

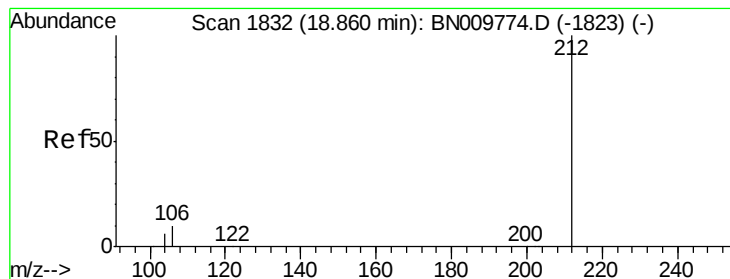
264 91.8 58.1 87.1#

268 102.0 65.7 98.5#



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: 0.371 ng

RT: 18.82 min Scan# 1823

Delta R.T. -0.04 min

Lab File: BN010167.D

Acq: 10 Mar 2020 19:28

Instrument :

BNA_N

ClientSampleId :

DUP01-20200304

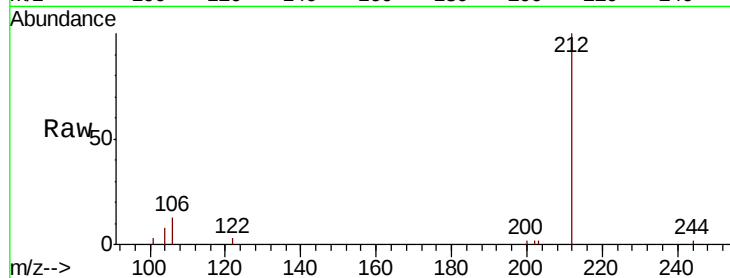
Tot Ion:212 Resp: 4000

Ion Ratio Lower Upper

212 100

106 10.7 8.4 12.6

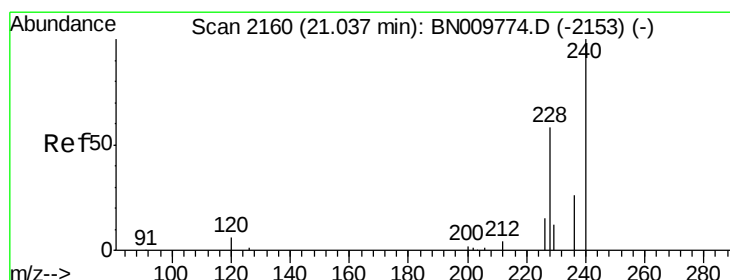
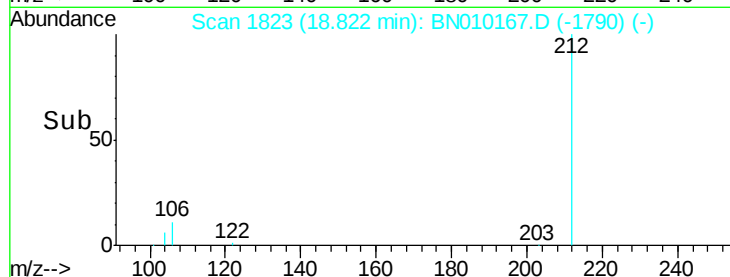
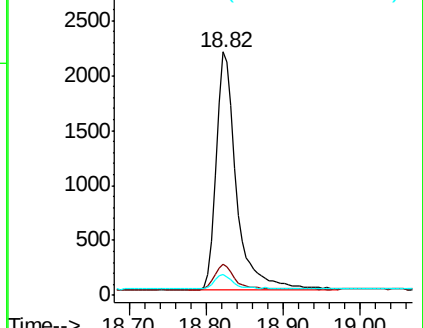
104 5.7 4.8 7.2



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



#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.00 min Scan# 2155

Delta R.T. -0.04 min

Lab File: BN010167.D

Acq: 10 Mar 2020 19:28

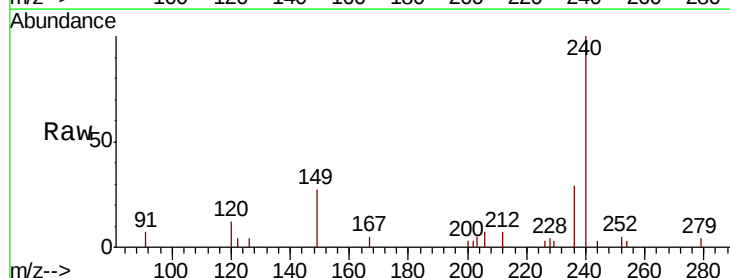
Tgt Ion:240 Resp: 3459

Ion Ratio Lower Upper

240 100

120 12.3 7.9 11.9#

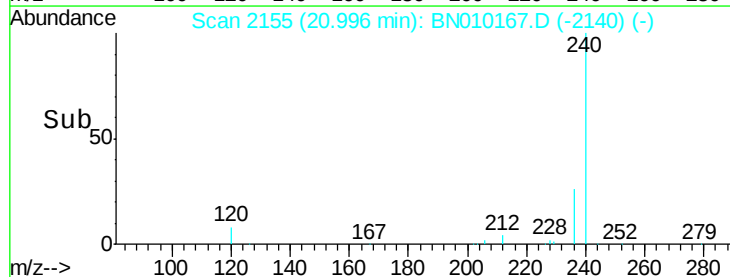
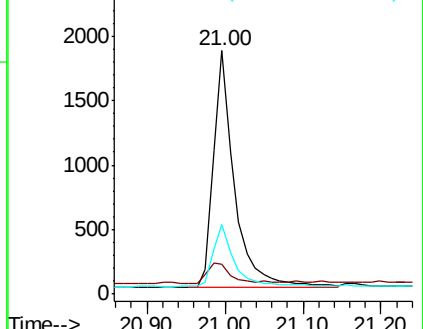
236 28.7 22.0 33.0

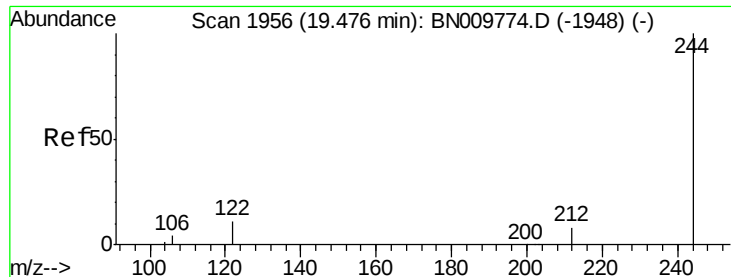


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.528 ng

RT: 19.42 min Scan# 1944

Delta R.T. -0.05 min

Lab File: BN010167.D

Acq: 10 Mar 2020 19:28

Instrument :

BNA_N

ClientSampleId :

DUP01-20200304

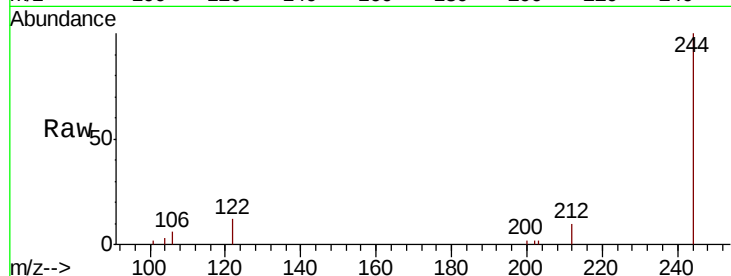
Tot Ion:244 Resp: 4360

Ion Ratio Lower Upper

244 100

212 10.2 8.0 12.0

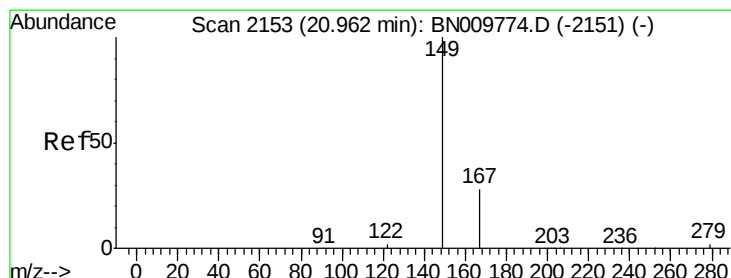
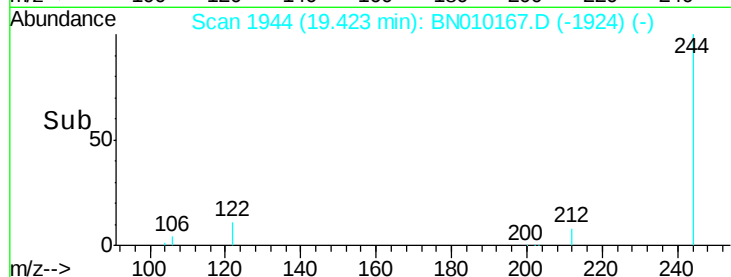
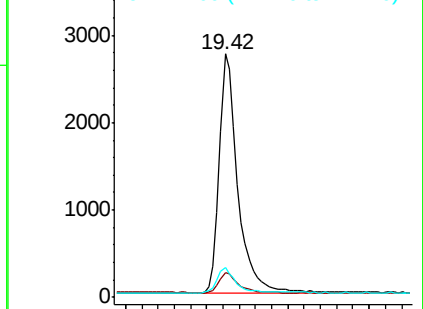
122 12.3 10.0 15.0



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.187 ng

RT: 20.91 min Scan# 2147

Delta R.T. -0.05 min

Lab File: BN010167.D

Acq: 10 Mar 2020 19:28

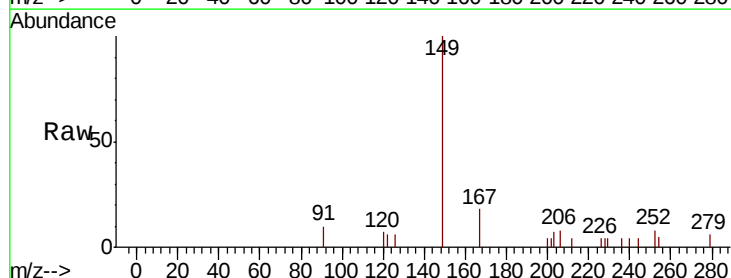
Tgt Ion:149 Resp: 1046

Ion Ratio Lower Upper

149 100

167 20.3 22.7 34.1#

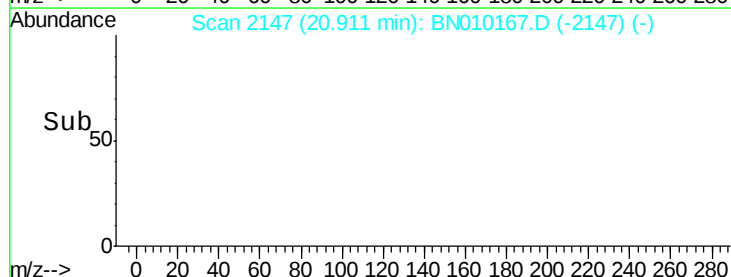
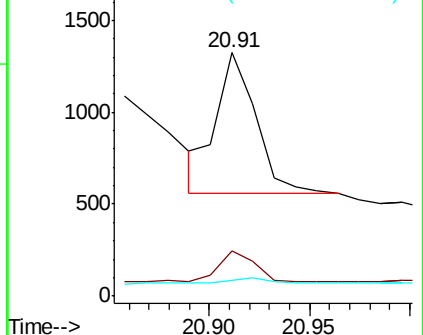
279 3.6 3.1 4.7

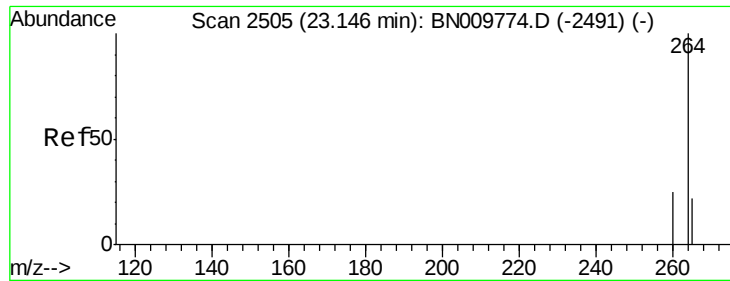


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

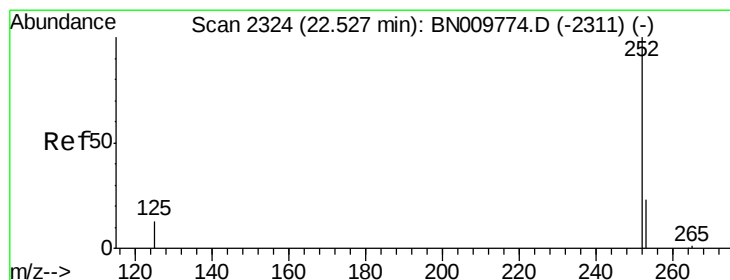
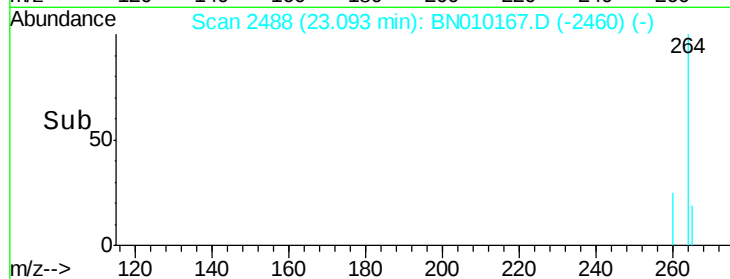
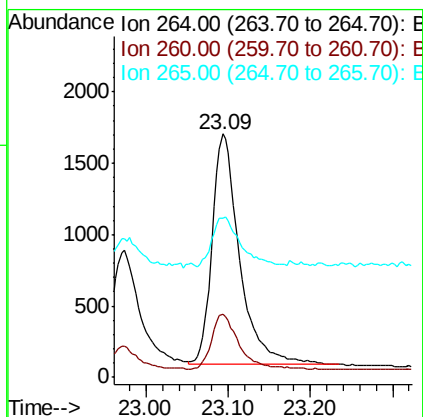
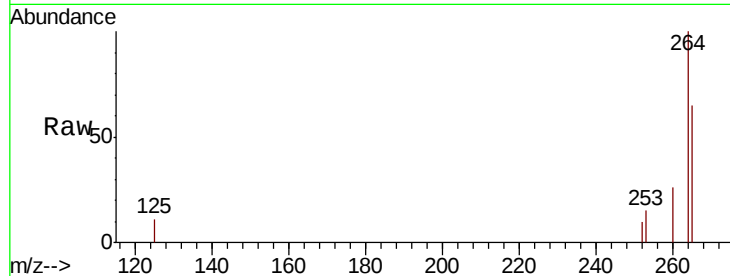




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.09 min Scan# 2488
Delta R.T. -0.05 min
Lab File: BN010167.D
Acq: 10 Mar 2020 19:28

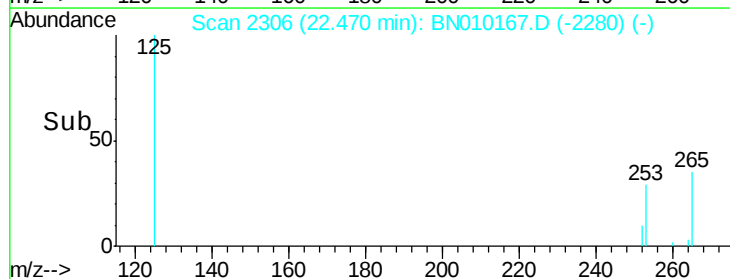
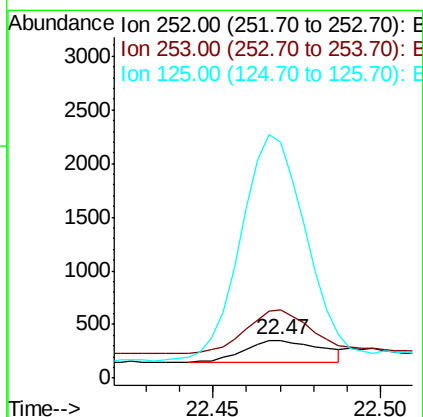
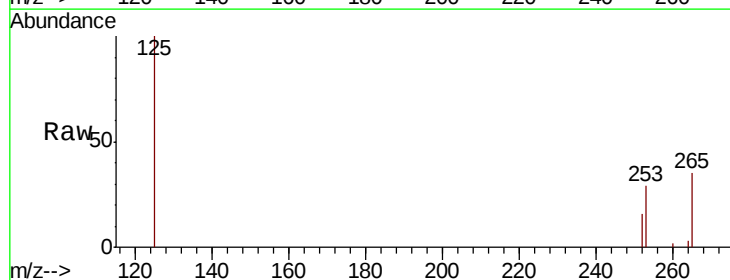
Instrument :
BNA_N
ClientSampleId :
DUP01-20200304

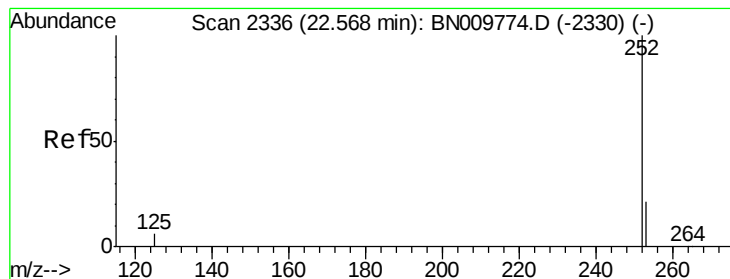
Tot Ion:264 Resp: 3780
Ion Ratio Lower Upper
264 100
260 26.0 21.1 31.7
265 65.2 57.5 86.3



#35
Benzo(b)fluoranthene
Concen: 0.024 ng
RT: 22.47 min Scan# 2306
Delta R.T. -0.06 min
Lab File: BN010167.D
Acq: 10 Mar 2020 19:28

Tgt Ion:252 Resp: 327
Ion Ratio Lower Upper
252 100
253 177.7 23.0 34.6#
125 620.8 14.4 21.6#





#36

Benzo(k)fluoranthene

Concen: 0.022 ng

RT: 22.47 min Scan# 2306

Delta R.T. -0.10 min

Lab File: BN010167.D

Acq: 10 Mar 2020 19:28

Instrument :

BNA_N

ClientSampleId :

DUP01-20200304

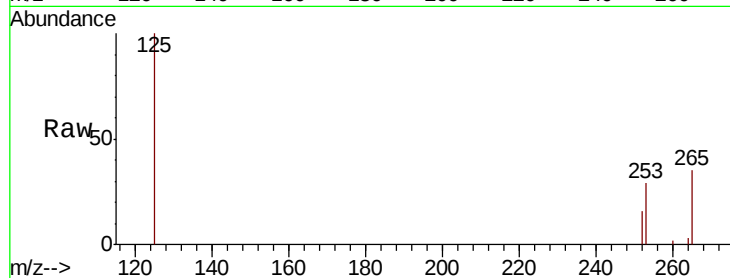
Tot Ion:252 Resp: 327

Ion Ratio Lower Upper

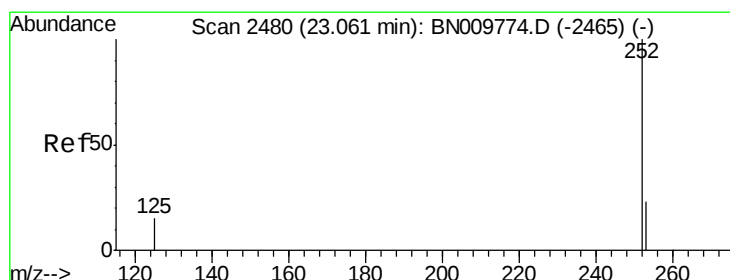
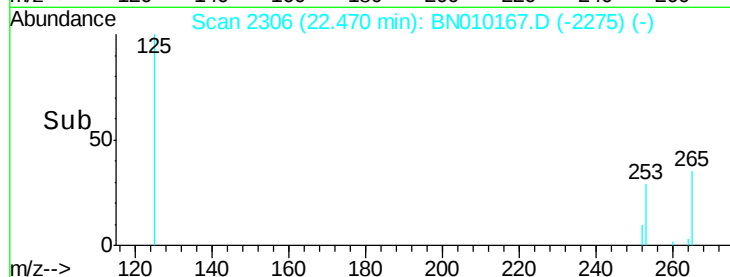
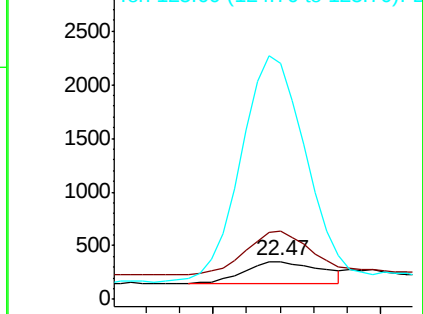
252 100

253 177.7 22.2 33.2#

125 620.8 10.5 15.7#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#37

Benzo(a)pyrene

Concen: 0.024 ng

RT: 22.98 min Scan# 2455

Delta R.T. -0.08 min

Lab File: BN010167.D

Acq: 10 Mar 2020 19:28

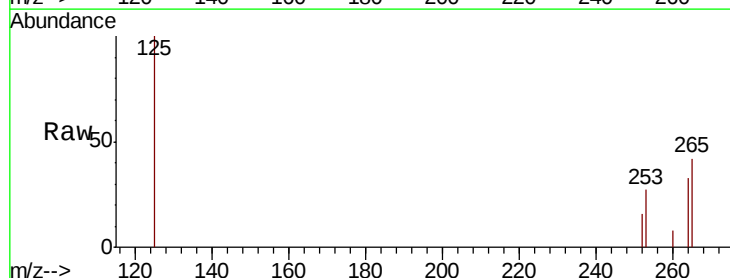
Tgt Ion:252 Resp: 300

Ion Ratio Lower Upper

252 100

253 173.4 25.3 37.9#

125 636.8 17.7 26.5#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

