

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN030920\
 Data File : BN010150.D
 Acq On : 09 Mar 2020 18:07
 Operator : CG/JU
 Sample : L1842-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Mar 09 22:12:11 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	7.36	152	865	0.40	ng	-0.06
7) Naphthalene-d8	10.13	136	3062	0.40	ng	-0.05
13) Acenaphthene-d10	14.00	164	2195	0.40	ng	-0.06
19) Phenanthrene-d10	16.78	188	4683	0.40	ng	-0.03
27) Chrysene-d12	21.00	240	4968	0.40	ng	-0.03
34) Perylene-d12	23.10	264	5265	0.40	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.03	112	428	0.22	ng	-0.06
5) Phenol-d6	6.61	99	237	0.10	ng	-0.03
8) Nitrobenzene-d5	8.58	82	809	0.32	ng	-0.01
11) 2-Methylnaphthalene-d10	11.73	152	1839	0.31	ng	-0.05
14) 2,4,6-Tribromophenol	15.55	330	358	0.42	ng	-0.03
15) 2-Fluorobiphenyl	12.63	172	3134	0.38	ng	-0.06
25) Fluoranthene-d10	18.83	212	5267	0.33	ng	-0.03
29) Terphenyl-d14	19.43	244	4889	0.41	ng	-0.05

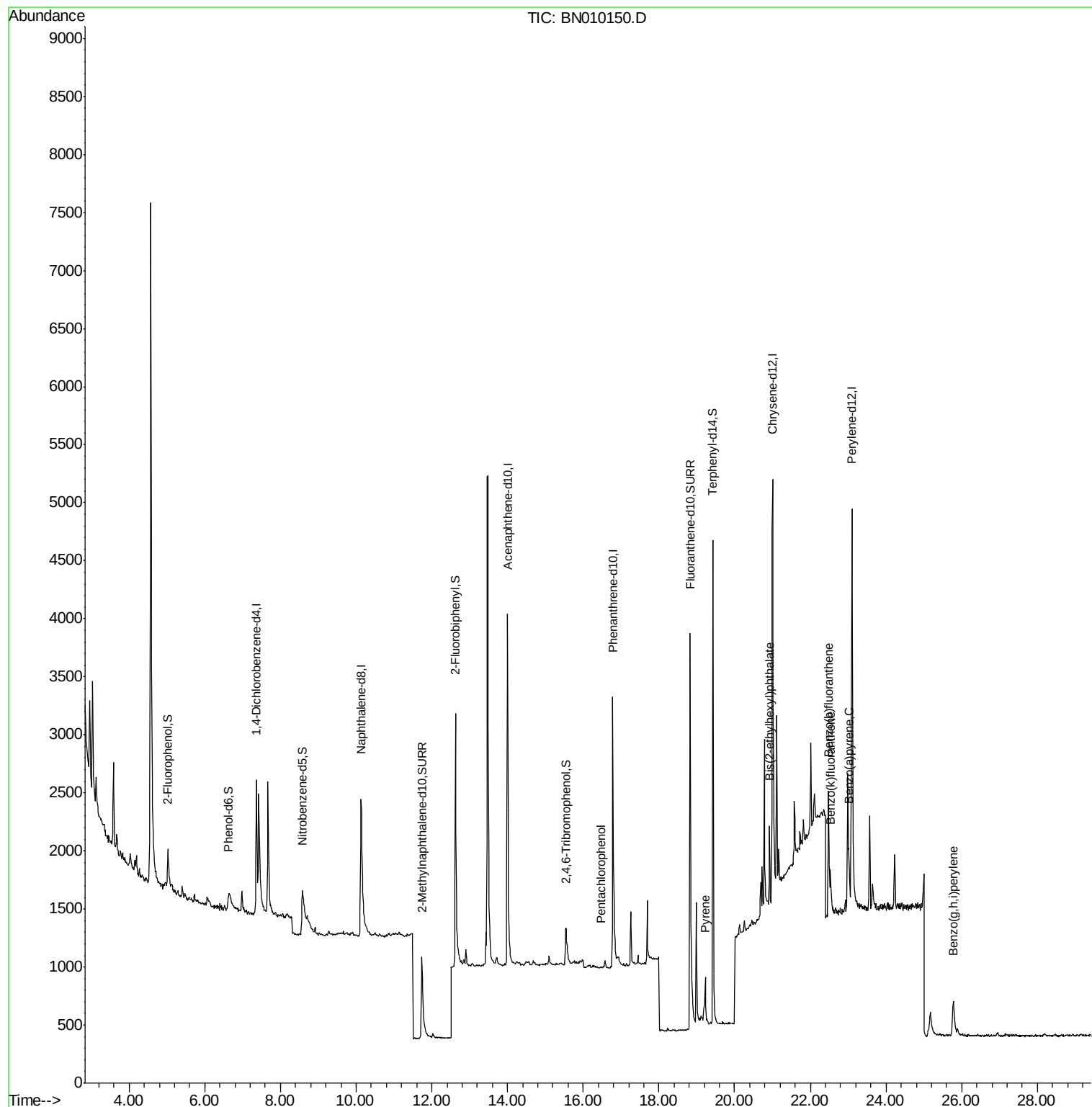
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) 4-Bromophenyl-phenylether	16.01	248	91	Below Cal		# 80
22) Pentachlorophenol	16.48	266	10	0.189	ng	# 75
28) Pyrene	19.22	202	444	0.024	ng	# 99
32) Bis(2-ethylhexyl)phthalate	20.92	149	514	0.064	ng	# 97
35) Benzo(b)fluoranthene	22.49	252	619	0.032	ng	# 1
36) Benzo(k)fluoranthene	22.53	252	570	0.027	ng	# 22
37) Benzo(a)pyrene	23.02	252	1067	0.061	ng	# 45
39) Benzo(g,h,i)perylene	25.78	276	751	0.041	ng	# 64

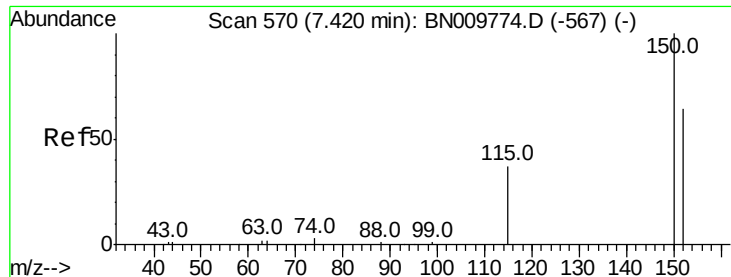
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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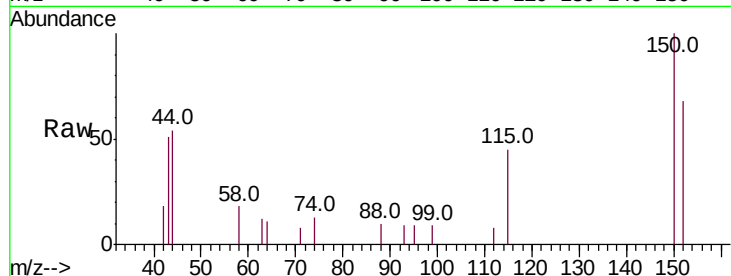


#1

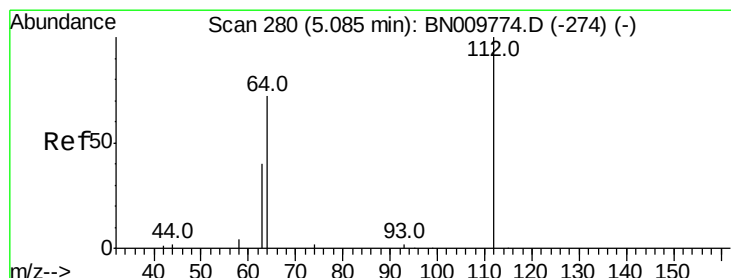
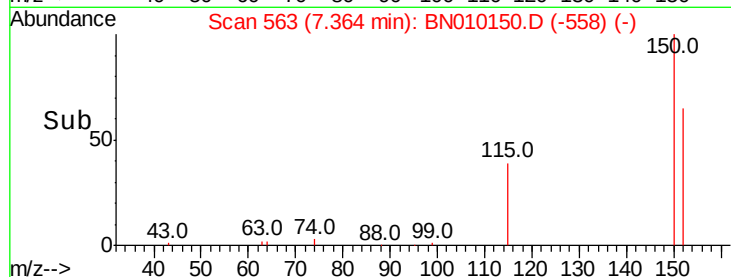
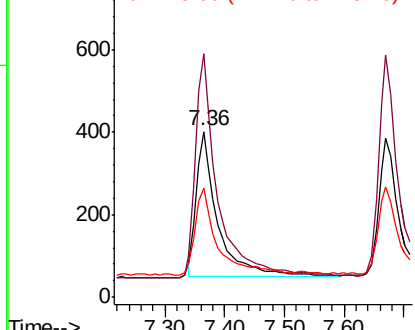
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.36 min Scan# 563
Delta R.T. -0.06 min
Lab File: BN010150.D
Acq: 09 Mar 2020 18:07

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 865
Ion Ratio Lower Upper
152 100
150 147.1 120.6 181.0
115 65.8 51.2 76.8



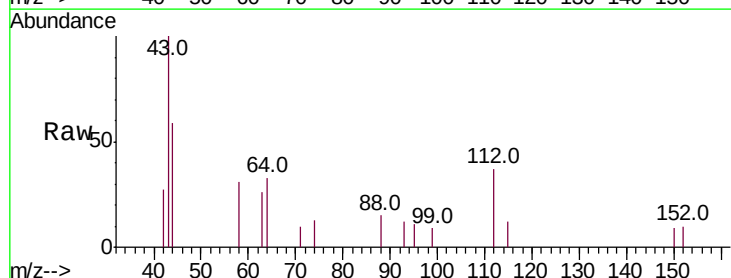
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



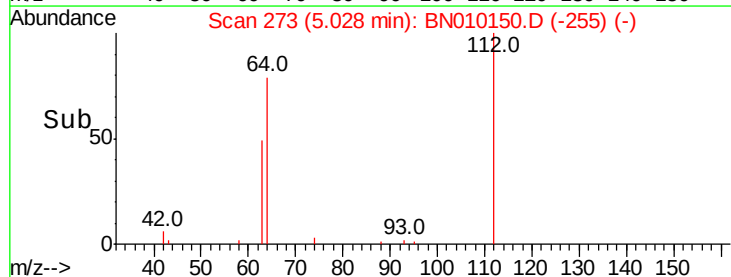
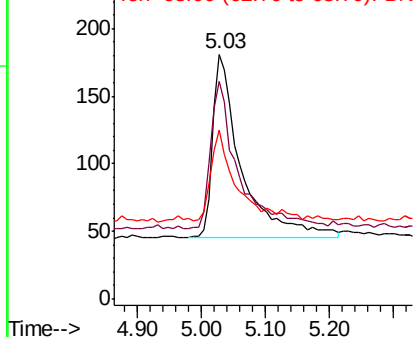
#4

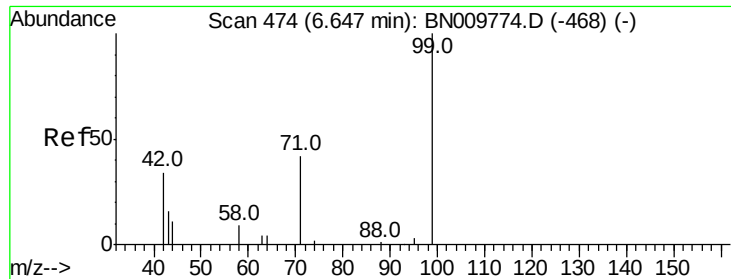
2-Fluorophenol
Concen: 0.223 ng
RT: 5.03 min Scan# 273
Delta R.T. -0.06 min
Lab File: BN010150.D
Acq: 09 Mar 2020 18:07

Tgt Ion:112 Resp: 428
Ion Ratio Lower Upper
112 100
64 77.3 65.8 98.6
63 40.2 38.7 58.1



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: 0.101 ng

RT: 6.61 min Scan# 470

Delta R.T. -0.03 min

Lab File: BN010150.D

Acq: 09 Mar 2020 18:07

Instrument :

BNA_N

ClientSampleId :

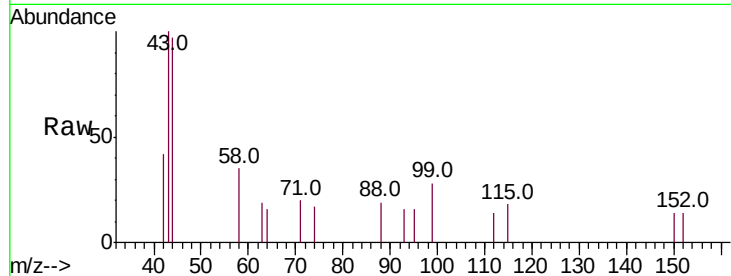
Tot Ion: 99 Resp: 237

Ion Ratio Lower Upper

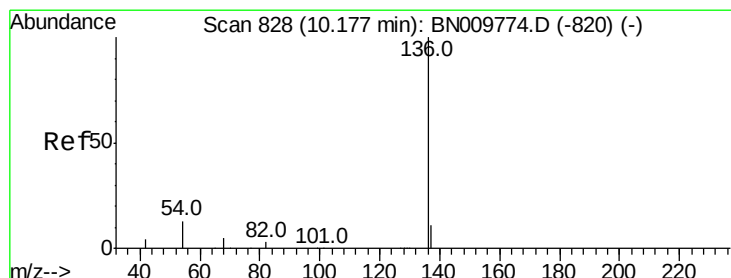
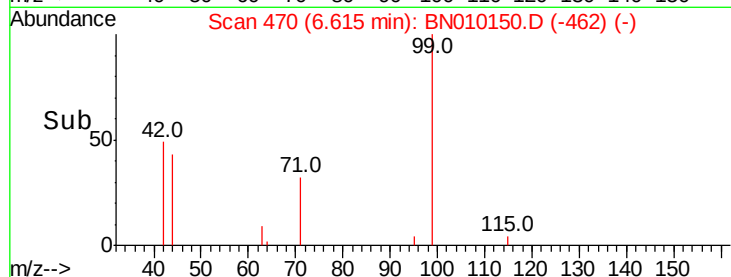
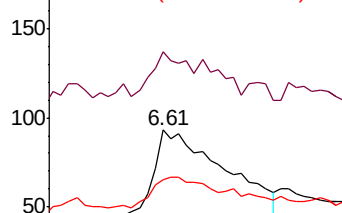
99 100

42 26.2 30.8 46.2#

71 40.1 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



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.13 min Scan# 824

Delta R.T. -0.05 min

Lab File: BN010150.D

Acq: 09 Mar 2020 18:07

Tgt Ion:136 Resp: 3062

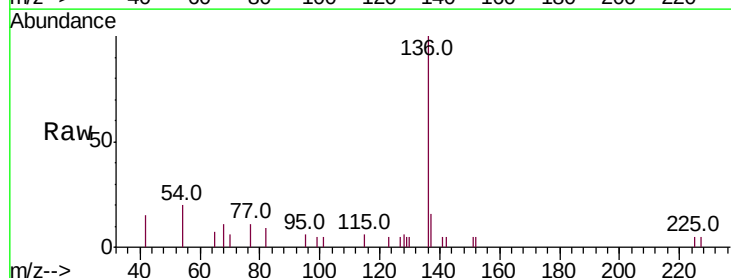
Ion Ratio Lower Upper

136 100

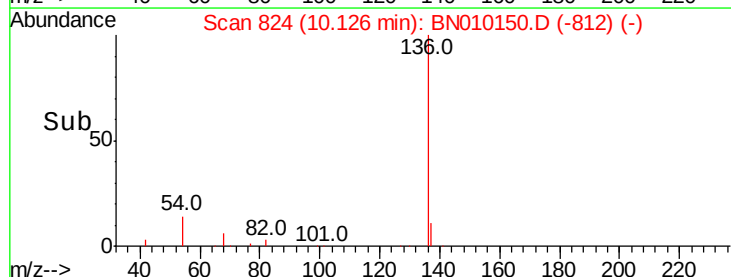
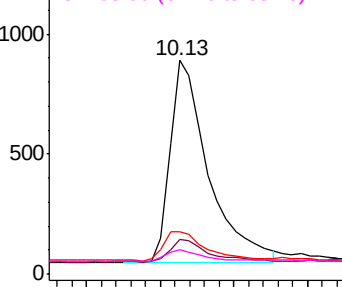
137 16.2 11.3 16.9

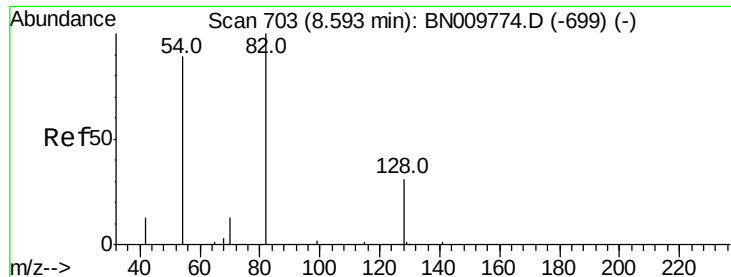
54 20.0 13.4 20.2

68 11.3 7.0 10.4#



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BN0
Ion 68.00 (67.70 to 68.70): BN0





#8

Nitrobenzene-d5

Concen: 0.317 ng

RT: 8.58 min Scan# 702

Delta R.T. -0.01 min

Lab File: BN010150.D

Acq: 09 Mar 2020 18:07

Instrument :

BNA_N

ClientSampleId :

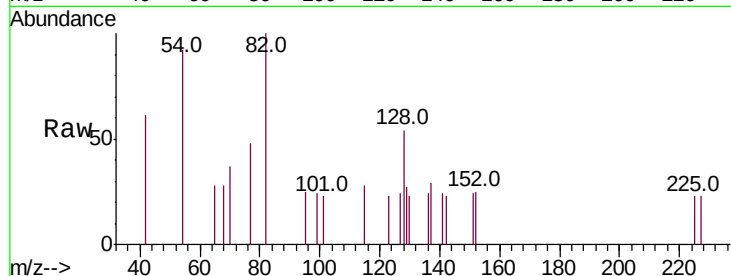
Tot Ion: 82 Resp: 809

Ion Ratio Lower Upper

82 100

128 54.3 32.5 48.7#

54 92.4 73.5 110.3

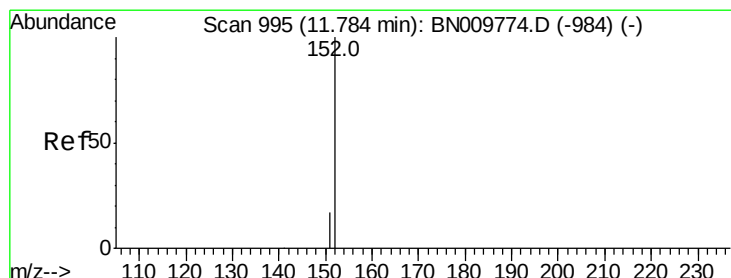
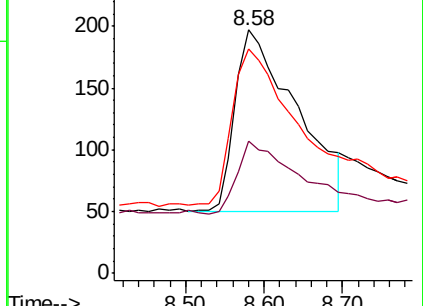
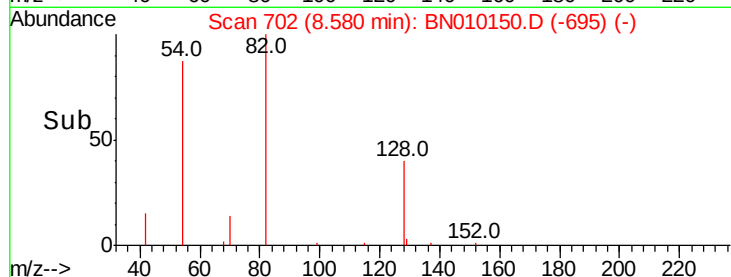


Abundance Ion 82.00 (81.70 to 82.70): BN009774.D (-699) (-)

Ion 128.00 (127.70 to 128.70): BN009774.D (-699) (-)

Ion 54.00 (53.70 to 54.70): BN009774.D (-699) (-)

Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.310 ng

RT: 11.73 min Scan# 984

Delta R.T. -0.05 min

Lab File: BN010150.D

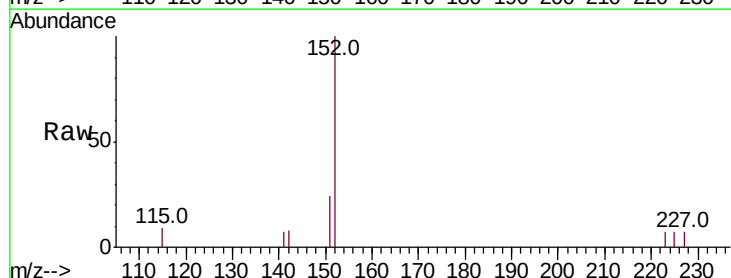
Acq: 09 Mar 2020 18:07

Tgt Ion: 152 Resp: 1839

Ion Ratio Lower Upper

152 100

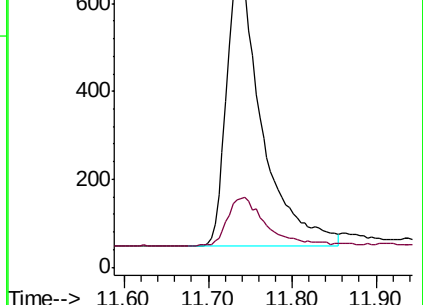
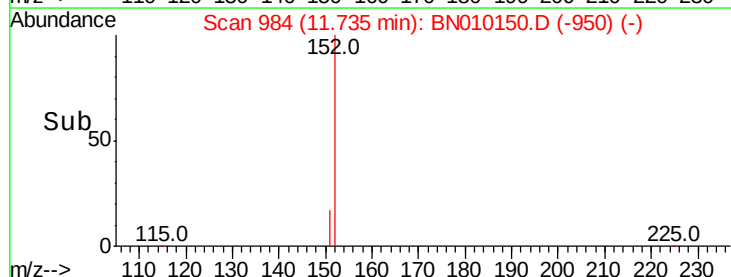
151 18.3 15.1 22.7

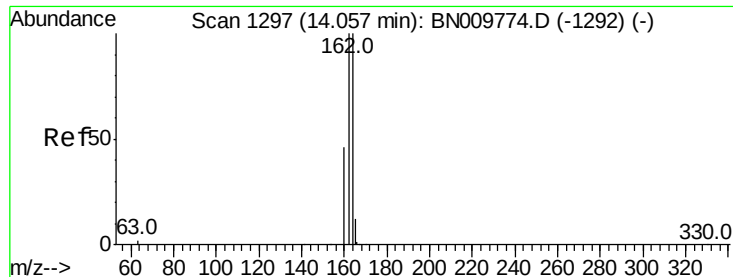


Abundance Ion 152.00 (151.70 to 152.70): BN009774.D (-984) (-)

Ion 151.00 (150.70 to 151.70): BN009774.D (-984) (-)

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.00 min Scan# 1292

Delta R.T. -0.06 min

Lab File: BN010150.D

Acq: 09 Mar 2020 18:07

Instrument :

BNA_N

ClientSampleId :

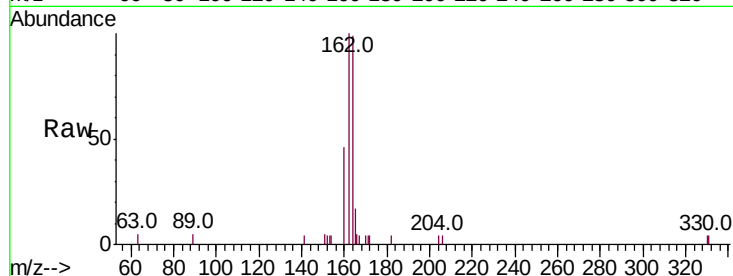
Tot Ion:164 Resp: 2195

Ion Ratio Lower Upper

164 100

162 100.7 79.9 119.9

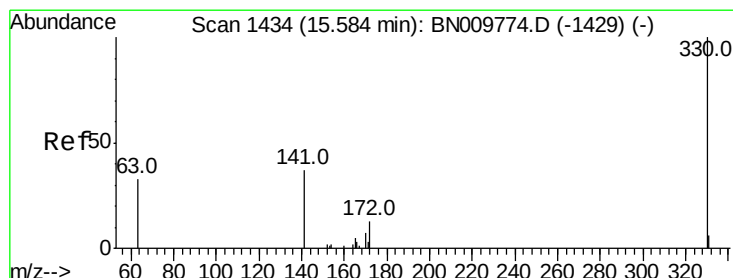
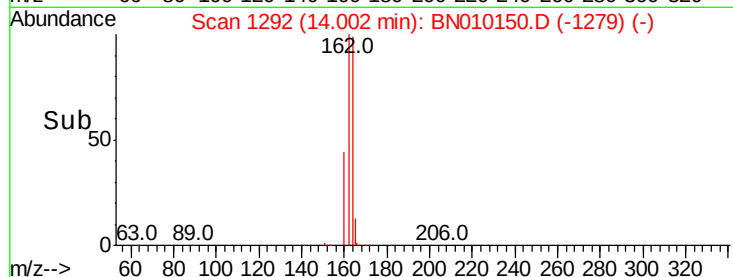
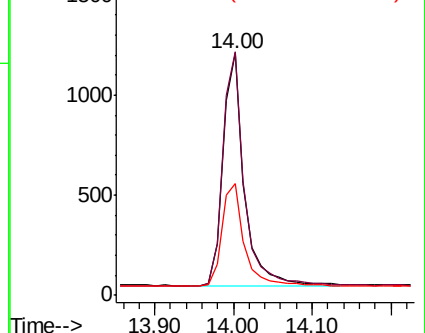
160 46.1 38.2 57.2



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: 0.423 ng

RT: 15.55 min Scan# 1431

Delta R.T. -0.03 min

Lab File: BN010150.D

Acq: 09 Mar 2020 18:07

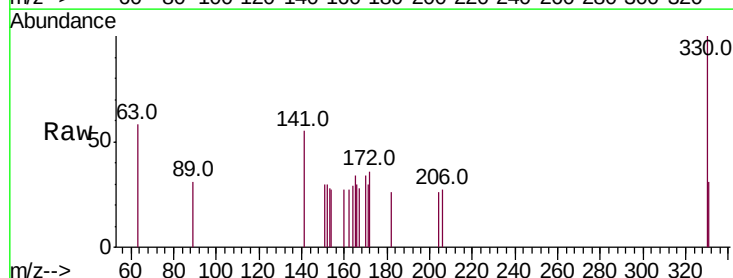
Tgt Ion:330 Resp: 358

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

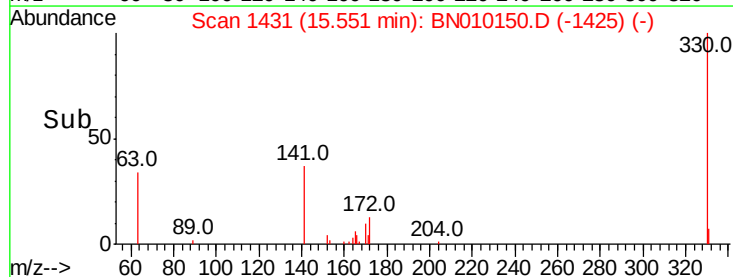
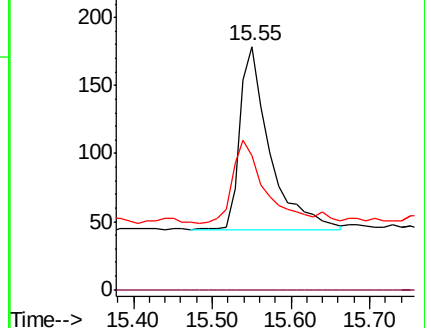
141 50.6 36.8 55.2

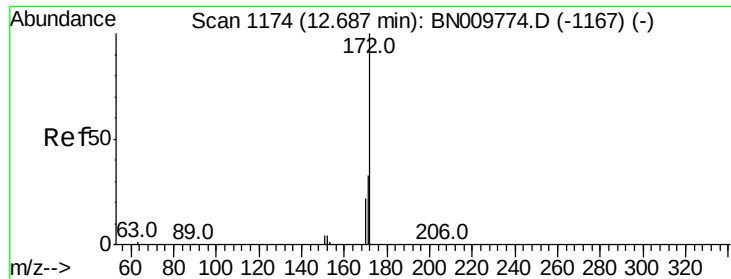


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

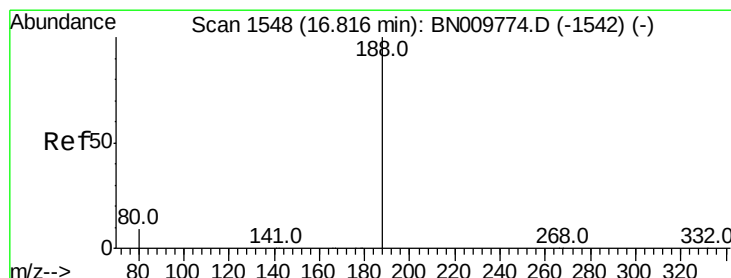
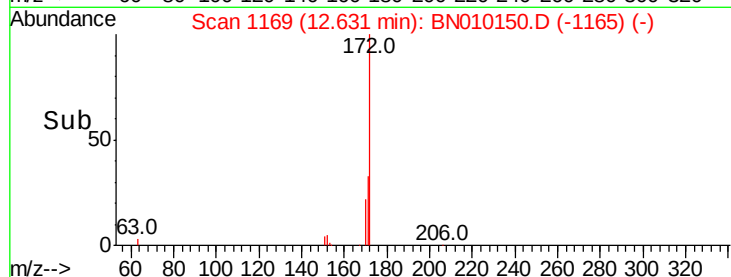
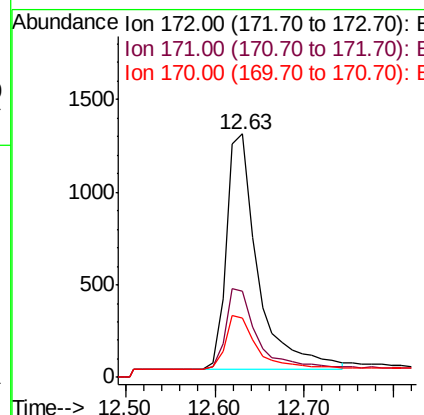
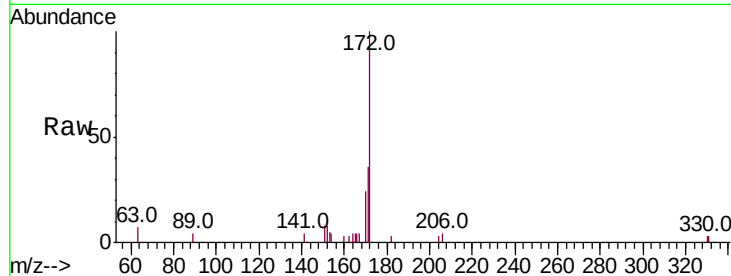




#15
2-Fluorobiphenyl
Concen: 0.378 ng
RT: 12.63 min Scan# 1169
Delta R.T. -0.06 min
Lab File: BN010150.D
Acq: 09 Mar 2020 18:07

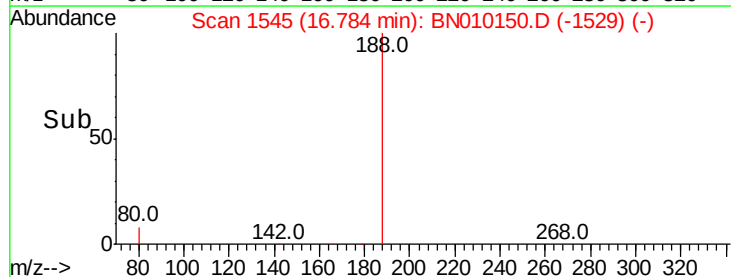
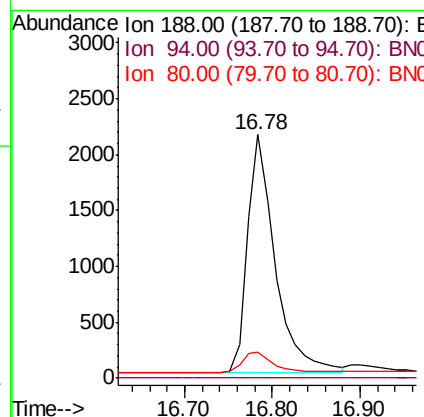
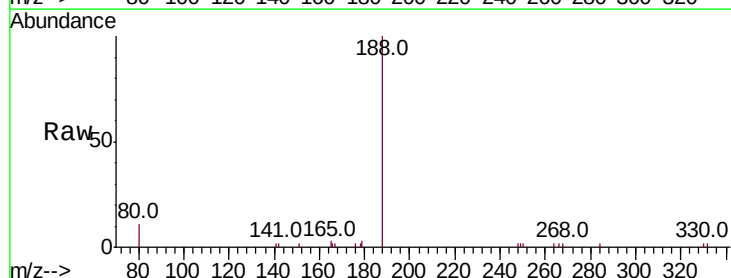
Instrument :
BNA_N
ClientSampleId :

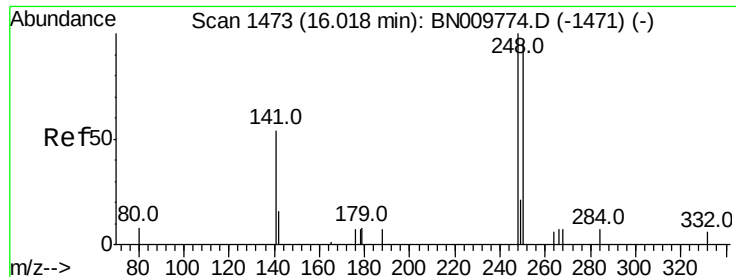
Tot Ion:172 Resp: 3134
Ion Ratio Lower Upper
172 100
171 35.6 28.7 43.1
170 24.4 20.1 30.1



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.78 min Scan# 1545
Delta R.T. -0.03 min
Lab File: BN010150.D
Acq: 09 Mar 2020 18:07

Tgt Ion:188 Resp: 4683
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.9 8.3 12.5





#20

4-Bromophenyl-phenylether

Concen: Below Cal

RT: 16.01 min Scan# 1472

Delta R.T. -0.01 min

Lab File: BN010150.D

Acq: 09 Mar 2020 18:07

Instrument :

BNA_N

ClientSampled :

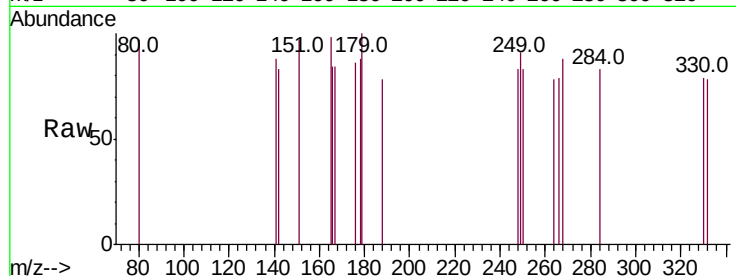
Tot Ion:248 Resp: 91

Ion Ratio Lower Upper

248 100

250 100.0 76.2 114.4

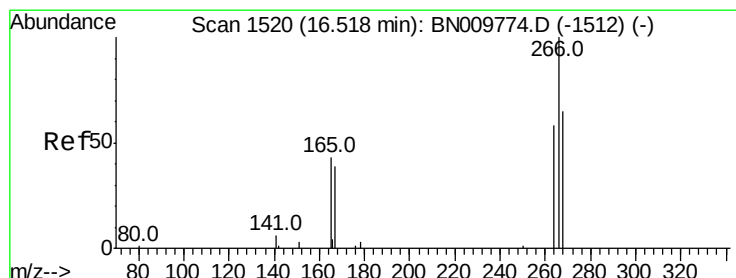
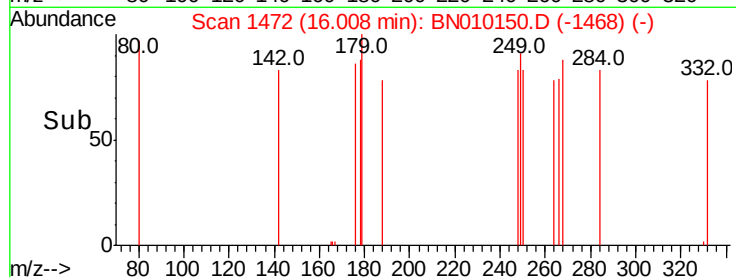
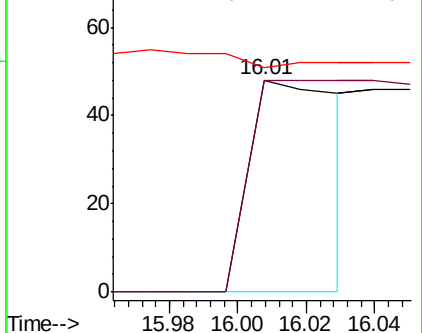
141 106.3 57.8 86.6#



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: 0.189 ng

RT: 16.48 min Scan# 1516

Delta R.T. -0.04 min

Lab File: BN010150.D

Acq: 09 Mar 2020 18:07

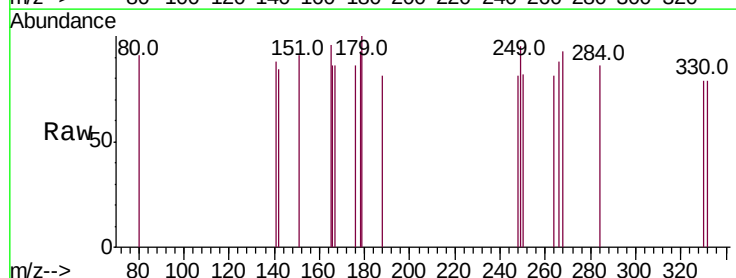
Tgt Ion:266 Resp: 10

Ion Ratio Lower Upper

266 100

264 92.0 58.1 87.1#

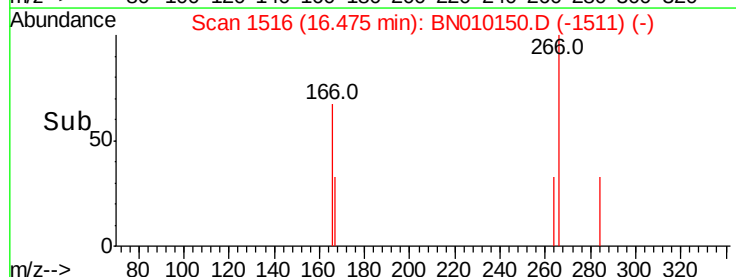
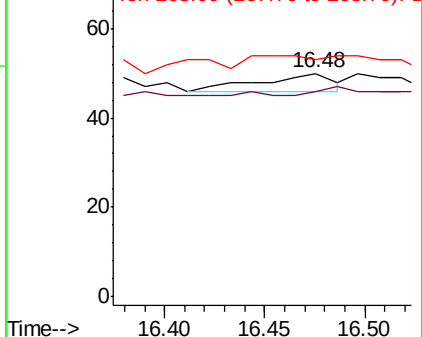
268 106.0 65.7 98.5#

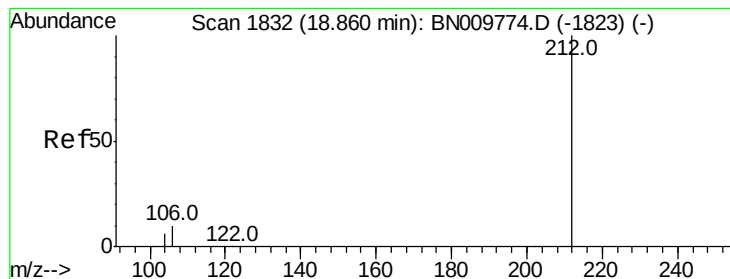


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#25

Fluoranthene-d10

Concen: 0.325 ng

RT: 18.83 min Scan# 1825

Delta R.T. -0.03 min

Lab File: BN010150.D

Acq: 09 Mar 2020 18:07

Instrument :

BNA_N

ClientSampleId :

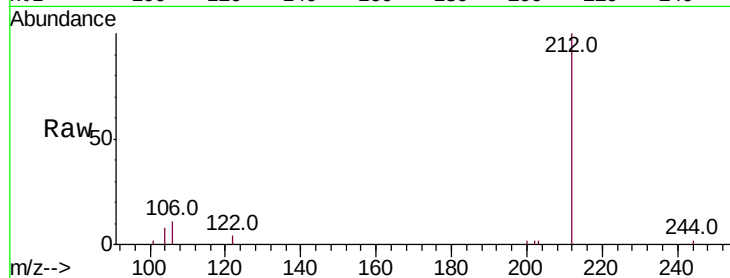
Tot Ion:212 Resp: 5267

Ion Ratio Lower Upper

212 100

106 12.5 8.4 12.6

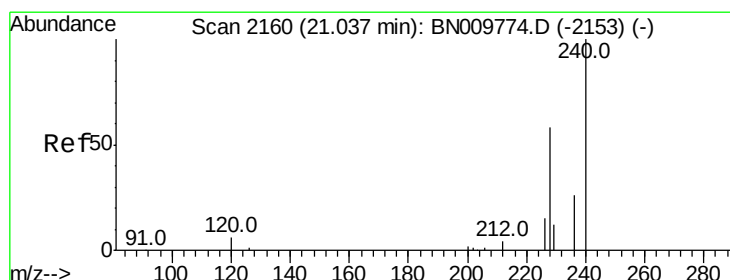
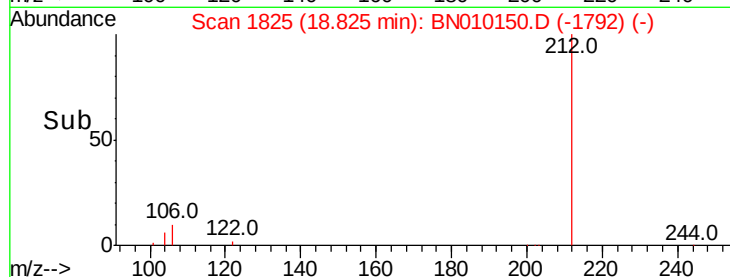
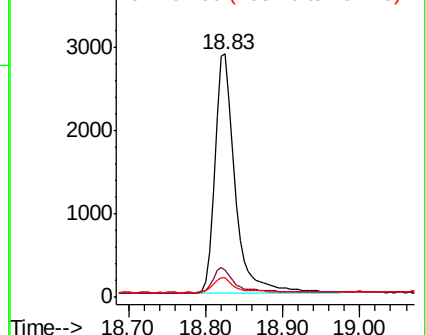
104 6.9 4.8 7.2



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# 2157

Delta R.T. -0.03 min

Lab File: BN010150.D

Acq: 09 Mar 2020 18:07

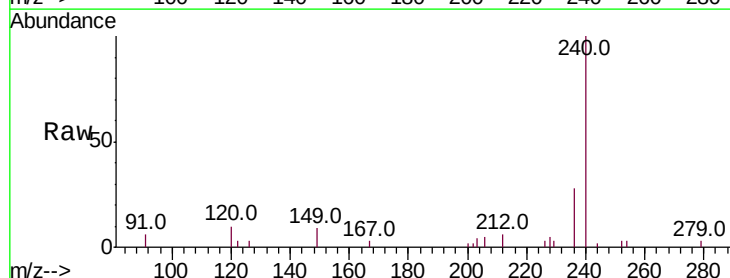
Tgt Ion:240 Resp: 4968

Ion Ratio Lower Upper

240 100

120 9.5 7.9 11.9

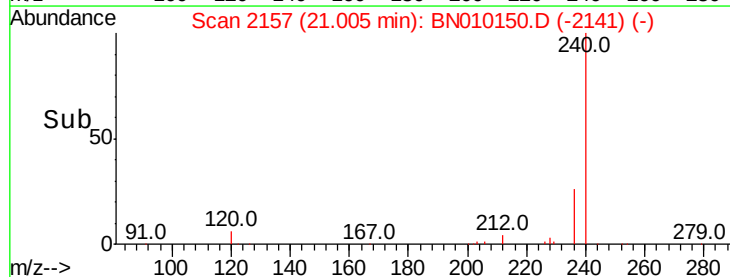
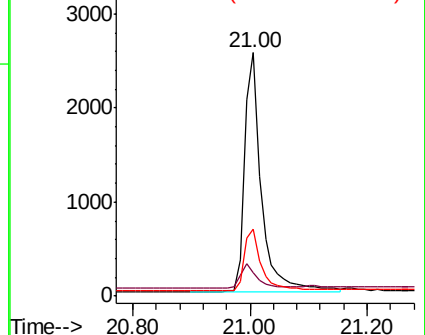
236 27.5 22.0 33.0

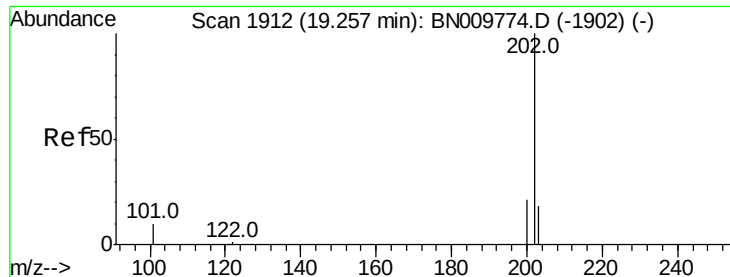


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#28

Pvrene

Concen: 0.024 ng

RT: 19.22 min Scan# 1905

Delta R.T. -0.03 min

Lab File: BN010150.D

Acq: 09 Mar 2020 18:07

Instrument :

BNA_N

ClientSampleId :

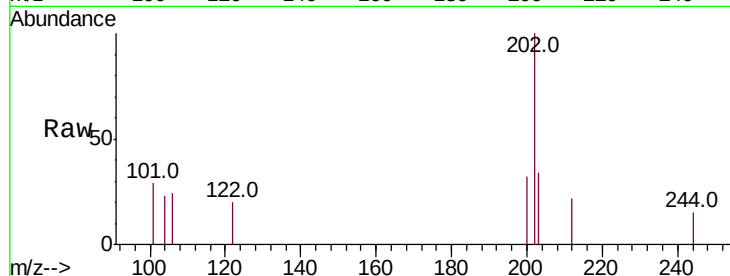
Tot Ion:202 Resp: 444

Ion Ratio Lower Upper

202 100

200 19.4 16.4 24.6

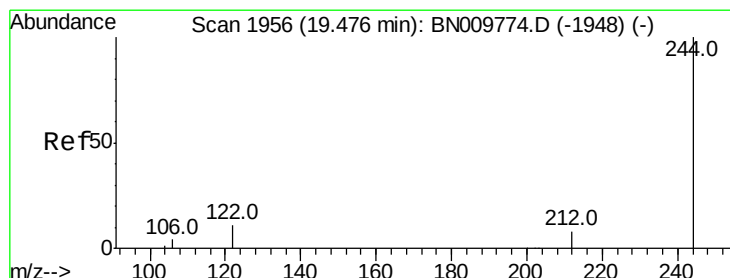
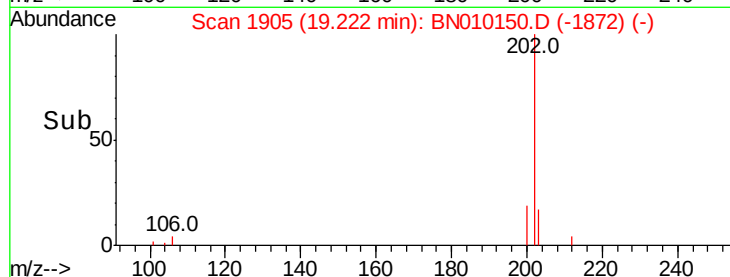
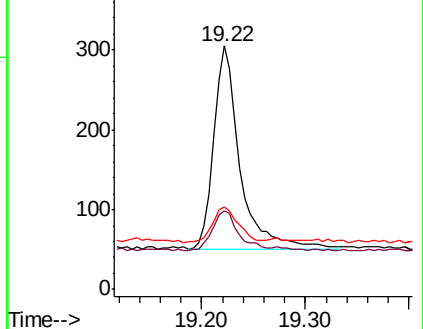
203 17.3 13.9 20.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#29

Terphenyl-d14

Concen: 0.412 ng

RT: 19.43 min Scan# 1946

Delta R.T. -0.05 min

Lab File: BN010150.D

Acq: 09 Mar 2020 18:07

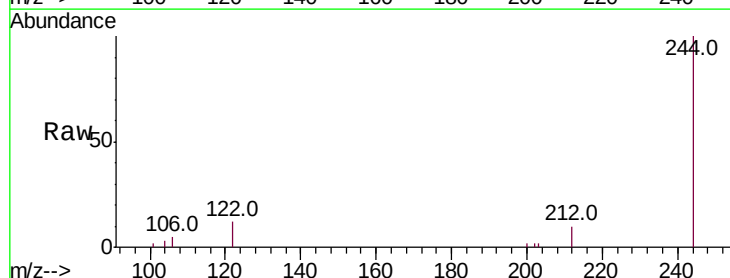
Tgt Ion:244 Resp: 4889

Ion Ratio Lower Upper

244 100

212 9.5 8.0 12.0

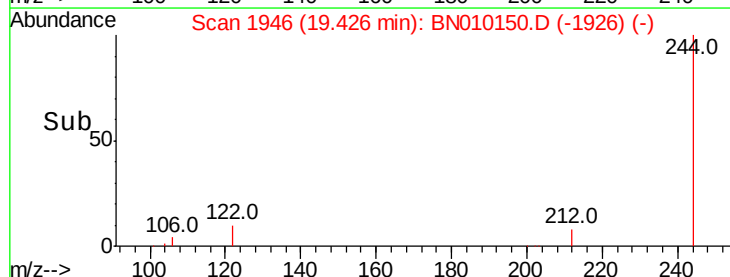
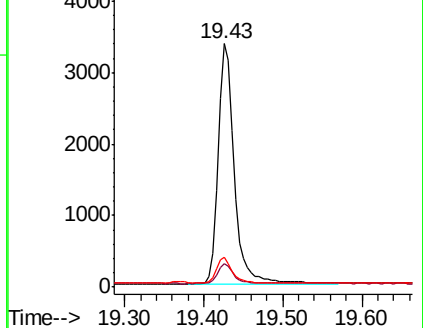
122 12.0 10.0 15.0

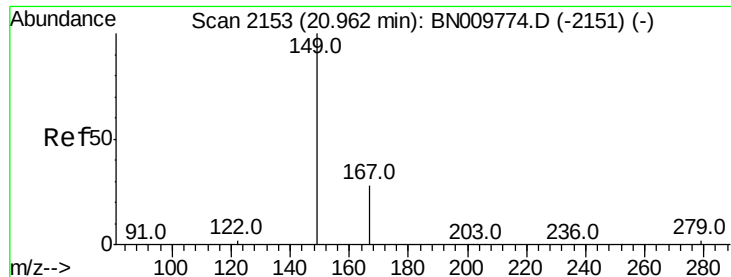


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.064 ng

RT: 20.92 min Scan# 2149

Delta R.T. -0.04 min

Lab File: BN010150.D

Acq: 09 Mar 2020 18:07

Instrument :

BNA_N

ClientSampled :

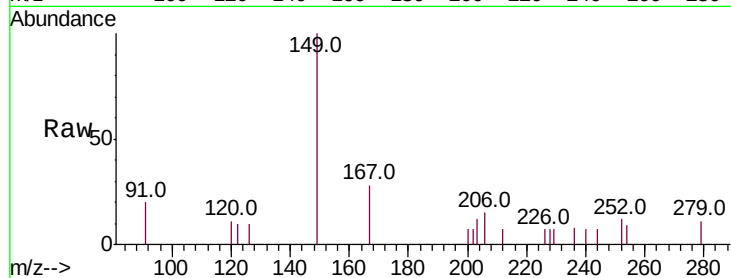
Tot Ion:149 Resp: 514

Ion Ratio Lower Upper

149 100

167 26.8 22.7 34.1

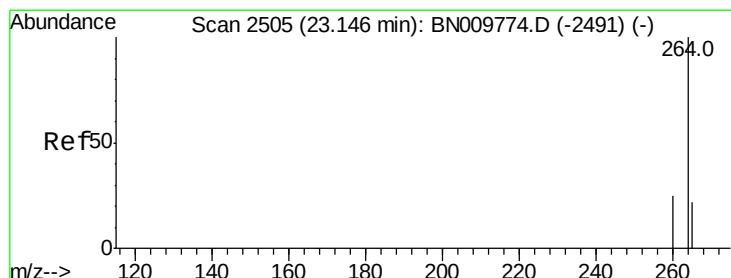
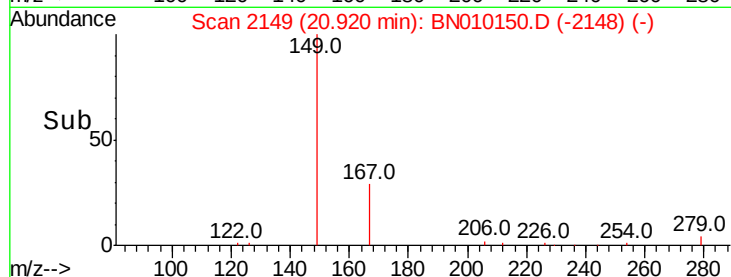
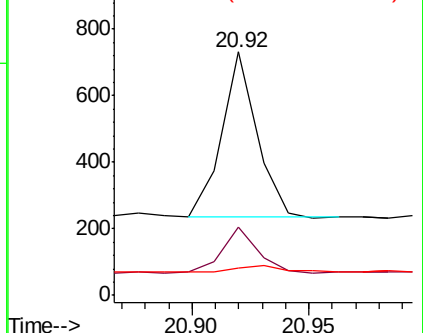
279 6.2 3.1 4.7#



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

Perylene-d12

Concen: 0.400 ng

RT: 23.10 min Scan# 2492

Delta R.T. -0.04 min

Lab File: BN010150.D

Acq: 09 Mar 2020 18:07

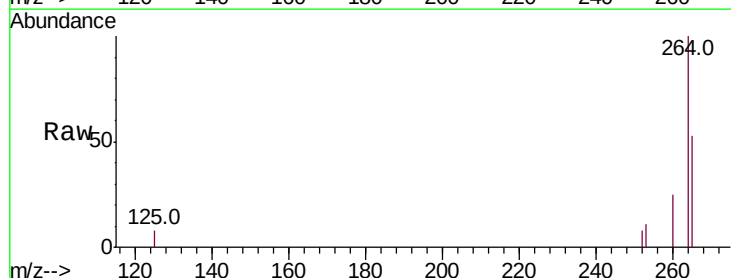
Tgt Ion:264 Resp: 5265

Ion Ratio Lower Upper

264 100

260 25.5 21.1 31.7

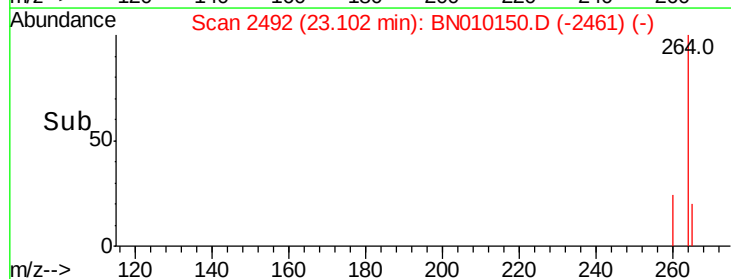
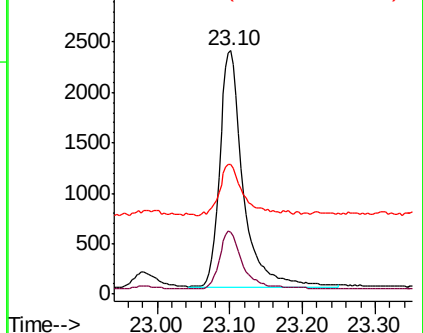
265 53.1 57.5 86.3#

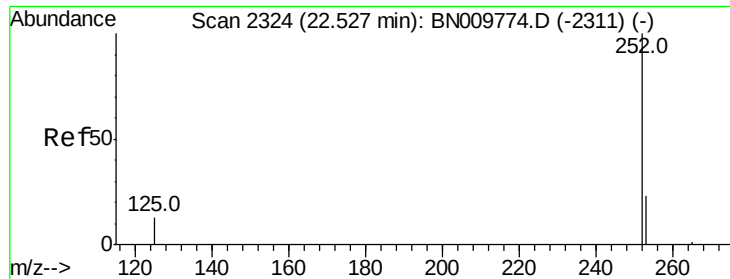


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.032 ng

RT: 22.49 min Scan# 2314

Delta R.T. -0.03 min

Lab File: BN010150.D

Acq: 09 Mar 2020 18:07

Instrument :

BNA_N

ClientSampleId :

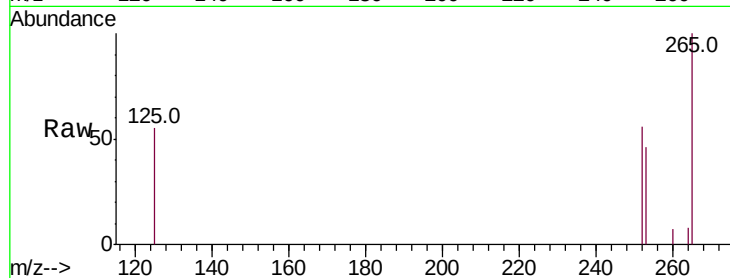
Tot Ion:252 Resp: 619

Ion Ratio Lower Upper

252 100

253 81.5 23.0 34.6#

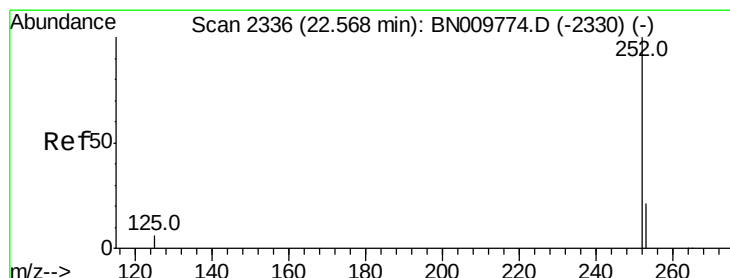
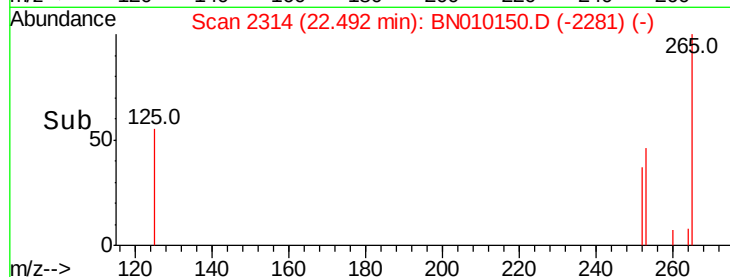
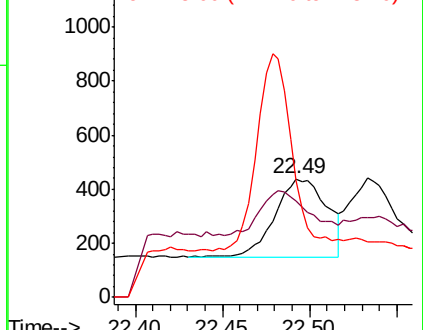
125 98.6 14.4 21.6#



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



#36

Benzo(k)fluoranthene

Concen: 0.027 ng

RT: 22.53 min Scan# 2326

Delta R.T. -0.03 min

Lab File: BN010150.D

Acq: 09 Mar 2020 18:07

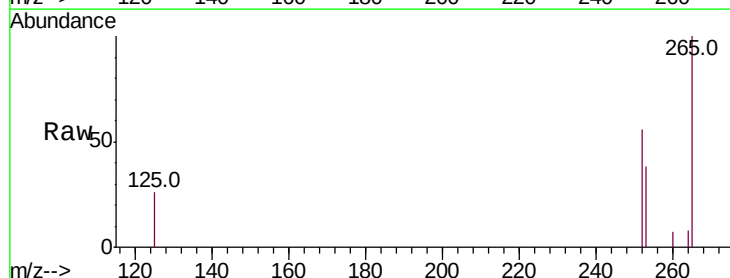
Tgt Ion:252 Resp: 570

Ion Ratio Lower Upper

252 100

253 67.1 22.2 33.2#

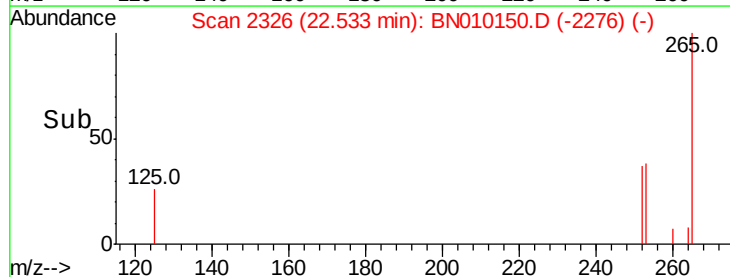
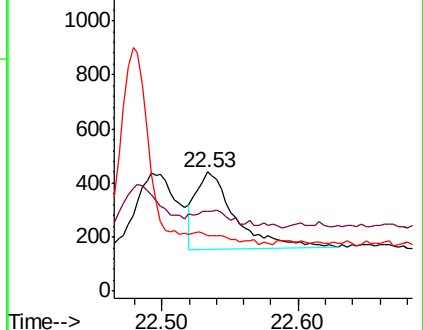
125 46.5 10.5 15.7#

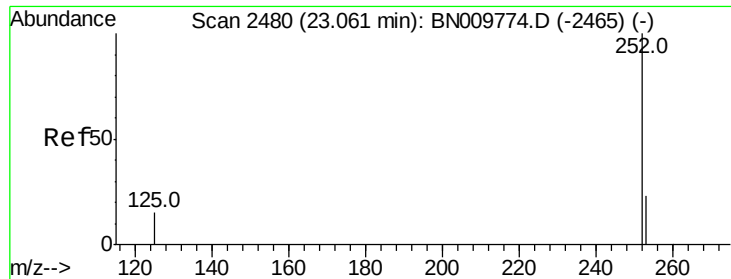


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.061 ng

RT: 23.02 min Scan# 2468

Delta R.T. -0.04 min

Lab File: BN010150.D

Acq: 09 Mar 2020 18:07

Instrument :

BNA_N

ClientSampleId :

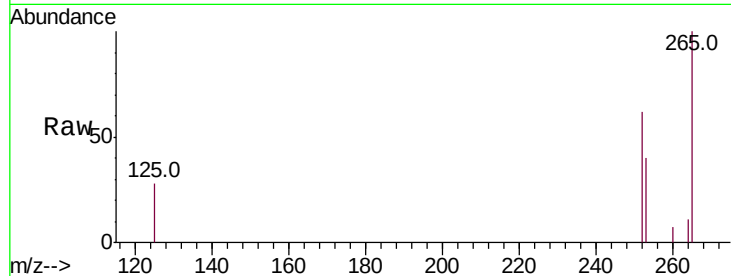
Tot Ion:252 Resp: 1067

Ion Ratio Lower Upper

252 100

253 64.9 25.3 37.9#

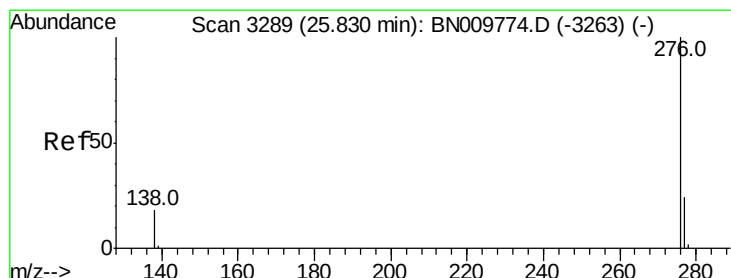
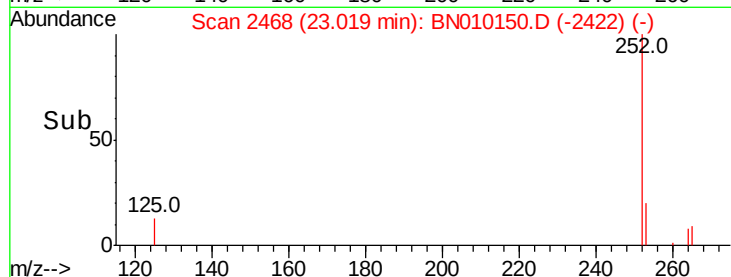
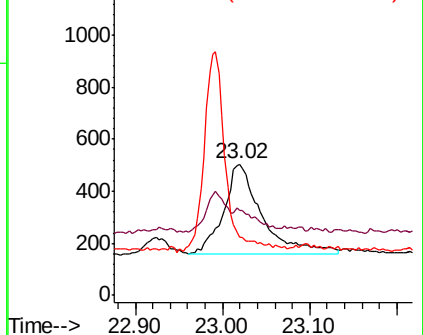
125 44.6 17.7 26.5#



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



#39

Benzo(g,h,i)perylene

Concen: 0.041 ng

RT: 25.78 min Scan# 3275

Delta R.T. -0.05 min

Lab File: BN010150.D

Acq: 09 Mar 2020 18:07

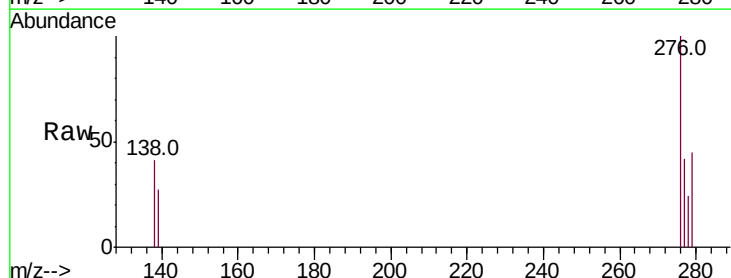
Tgt Ion:276 Resp: 751

Ion Ratio Lower Upper

276 100

277 42.0 21.4 32.0#

138 41.2 16.6 24.8#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

