

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN030920\
 Data File : BN010148.D
 Acq On : 09 Mar 2020 16:03
 Operator : CG/JU
 Sample : L1779-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Mar 09 17:23:53 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	912	0.40	ng	-0.05
7) Naphthalene-d8	10.13	136	3313	0.40	ng	-0.05
13) Acenaphthene-d10	14.00	164	2195	0.40	ng	-0.06
19) Phenanthrene-d10	16.78	188	4715	0.40	ng	-0.03
27) Chrysene-d12	21.00	240	4582	0.40	ng	-0.03
34) Perylene-d12	23.10	264	4210	0.40	ng	-0.04

System Monitoring Compounds						
4) 2-Fluorophenol	5.07	112	82	0.04	ng	-0.02
5) Phenol-d6	6.62	99	158	0.06	ng	-0.02
8) Nitrobenzene-d5	8.55	82	998	0.36	ng	-0.04
11) 2-Methylnaphthalene-d10	11.71	152	1911	0.30	ng	-0.07
14) 2,4,6-Tribromophenol	15.56	330	13	0.02	ng	-0.02
15) 2-Fluorobiphenyl	12.62	172	3143	0.38	ng	-0.07
25) Fluoranthene-d10	18.83	212	4589	0.28	ng	-0.03
29) Terphenyl-d14	19.43	244	4355	0.40	ng	-0.05

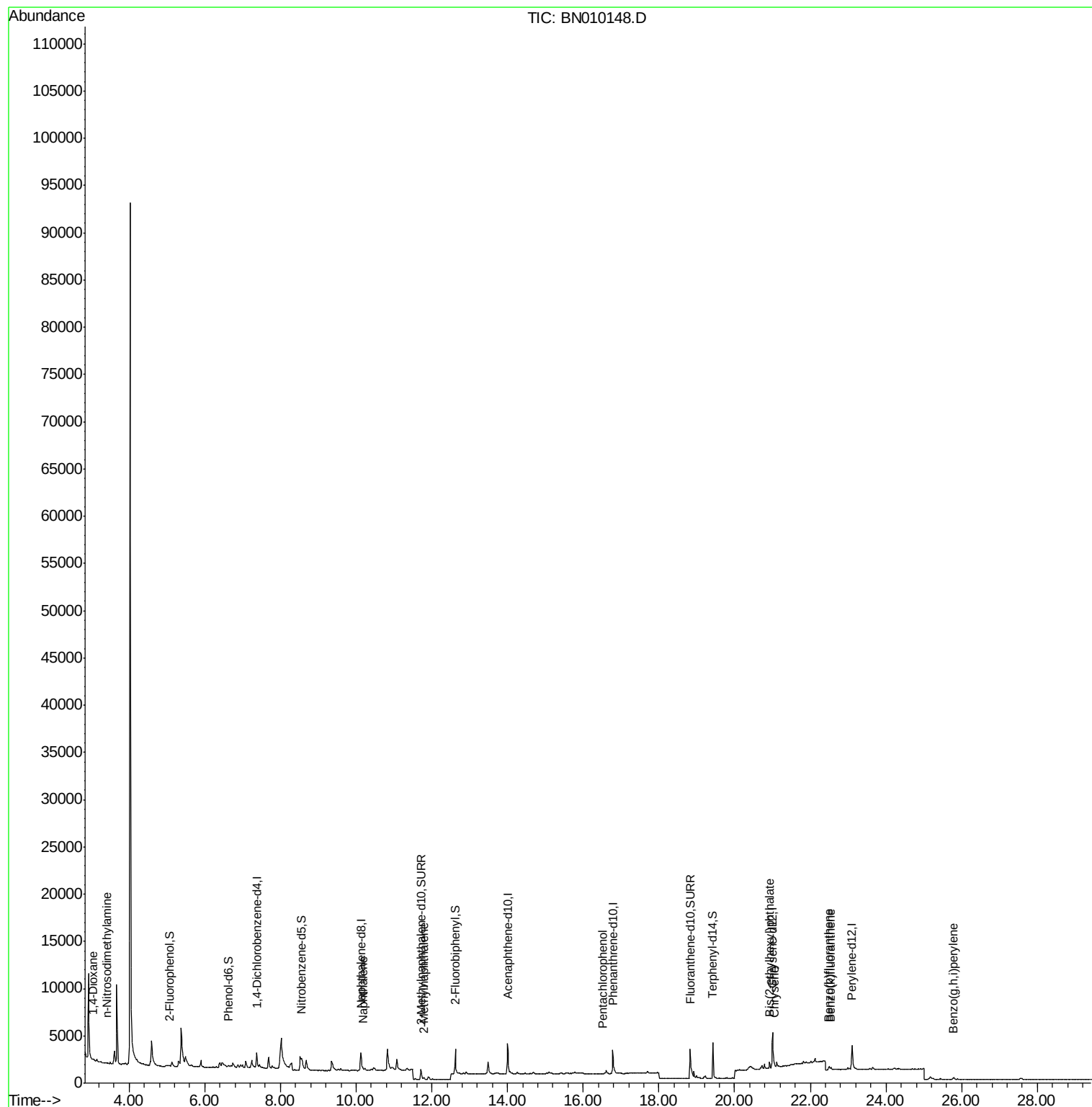
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.06	88	36	0.039	ng	# 1
3) n-Nitrosodimethylamine	3.40	42	36	0.023	ng	# 22
9) Naphthalene	10.18	128	281	0.031	ng	# 29
12) 2-Methylnaphthalene	11.79	142	172	0.028	ng	# 83
20) 4-Bromophenyl-phenylether	16.01	248	118	Below Cal		# 71
22) Pentachlorophenol	16.51	266	26	0.205	ng	# 75
31) Chrysene	21.05	228	385	0.022	ng	# 76
32) Bis(2-ethylhexyl)phthalate	20.92	149	567	0.076	ng	# 99
35) Benzo(b)fluoranthene	22.50	252	459	0.030	ng	# 14
36) Benzo(k)fluoranthene	22.54	252	445	0.027	ng	# 4
39) Benzo(a,h,i)perylene	25.79	276	316	0.021	ng	# 25

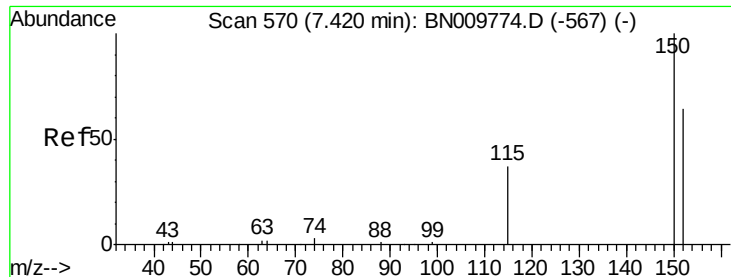
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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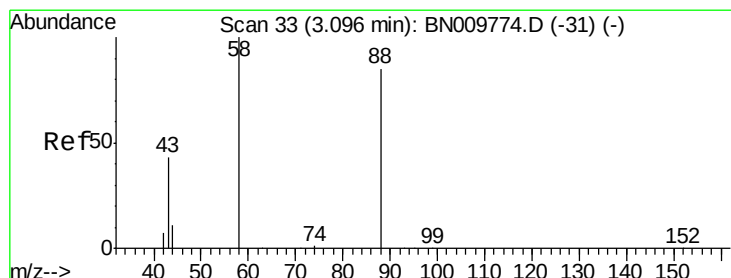
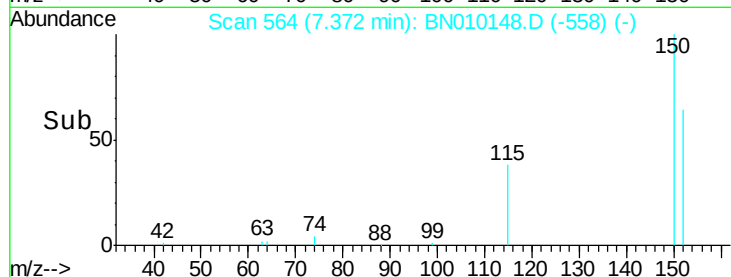
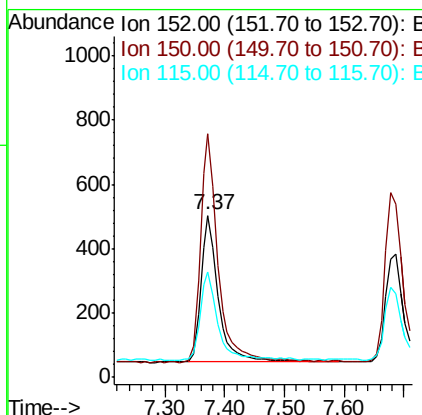
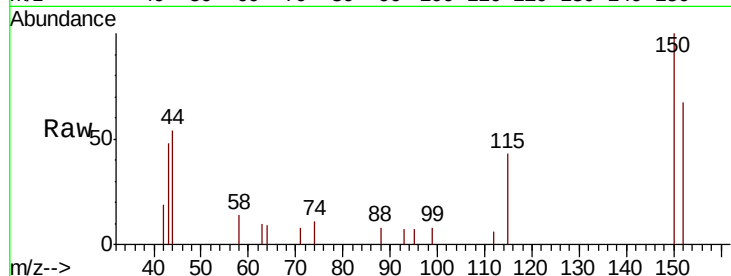


#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.37 min Scan# 564
Delta R.T. -0.05 min
Lab File: BN010148.D
Acq: 09 Mar 2020 16:03

Instrument :
BNA_N
ClientSampleId :

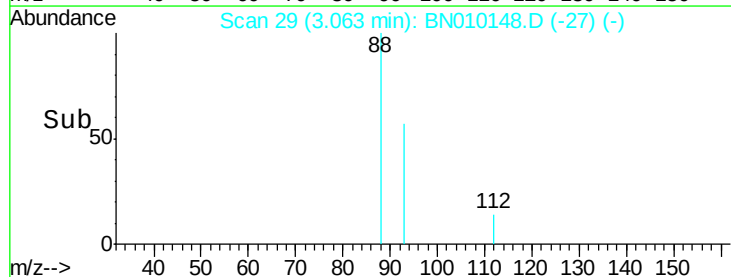
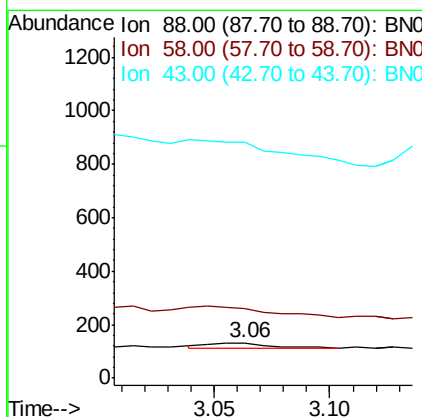
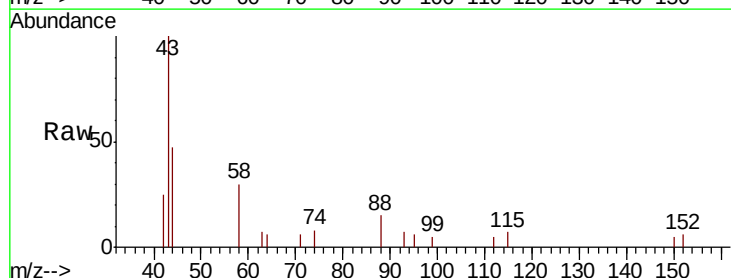
Tot Ion:152 Resp: 912
Ion Ratio Lower Upper
152 100
150 150.2 120.6 181.0
115 64.7 51.2 76.8

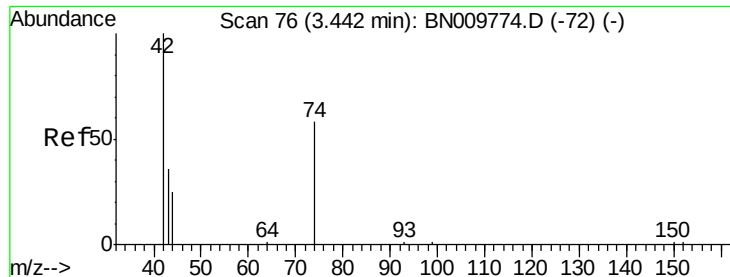


#2

1,4-Dioxane
Concen: 0.039 ng
RT: 3.06 min Scan# 29
Delta R.T. -0.03 min
Lab File: BN010148.D
Acq: 09 Mar 2020 16:03

Tgt Ion: 88 Resp: 36
Ion Ratio Lower Upper
88 100
58 0.0 97.8 146.8#
43 0.0 45.1 67.7#

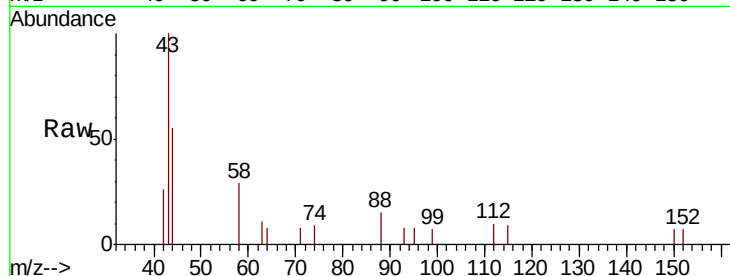




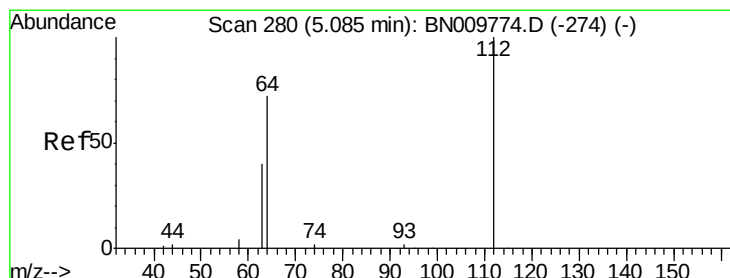
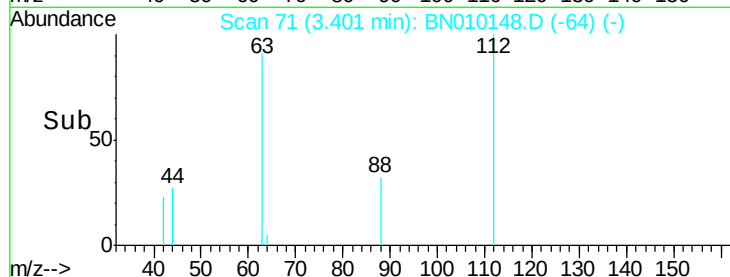
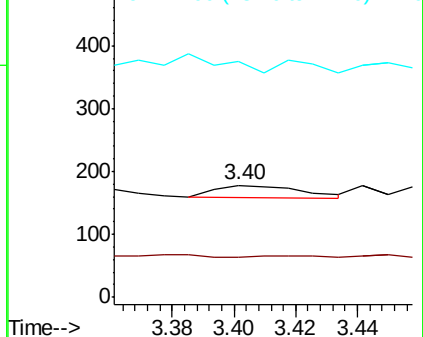
#3
 n-Nitrosodimethylamine
 Concen: 0.023 ng
 RT: 3.40 min Scan# 71
 Delta R.T. -0.04 min
 Lab File: BN010148.D
 Acq: 09 Mar 2020 16:03

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion: 42 Resp: 36
 Ion Ratio Lower Upper
 42 100
 74 5.6 51.2 76.8#
 44 47.2 2.6 4.0#

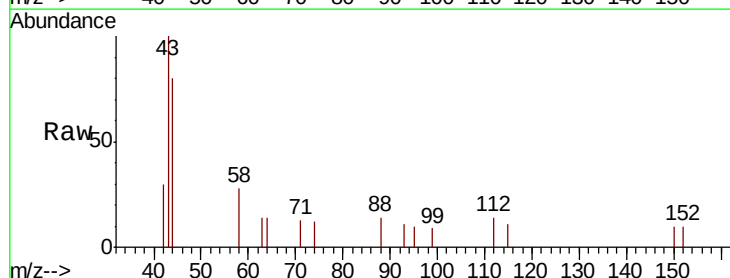


Abundance Ion 42.00 (41.70 to 42.70): BN0
 Ion 74.00 (73.70 to 74.70): BN0
 Ion 44.00 (43.70 to 44.70): BN0

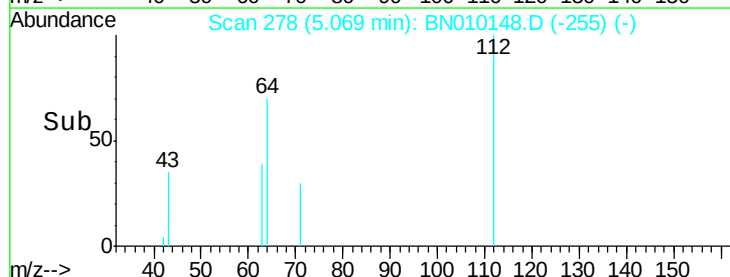
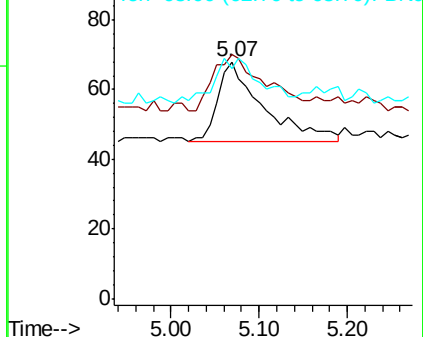


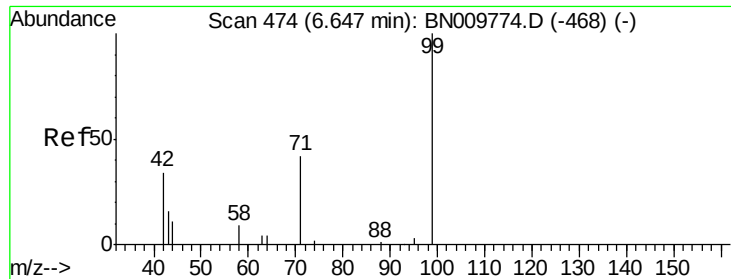
#4
 2-Fluorophenol
 Concen: 0.040 ng
 RT: 5.07 min Scan# 278
 Delta R.T. -0.02 min
 Lab File: BN010148.D
 Acq: 09 Mar 2020 16:03

Tgt Ion: 112 Resp: 82
 Ion Ratio Lower Upper
 112 100
 64 80.5 65.8 98.6
 63 57.3 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: 0.064 ng

RT: 6.62 min Scan# 471

Delta R.T. -0.02 min

Lab File: BN010148.D

Acq: 09 Mar 2020 16:03

Instrument :

BNA_N

ClientSampleId :

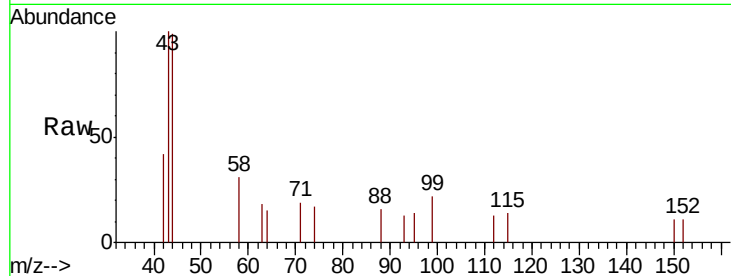
Tot Ion: 99 Resp: 158

Ion Ratio Lower Upper

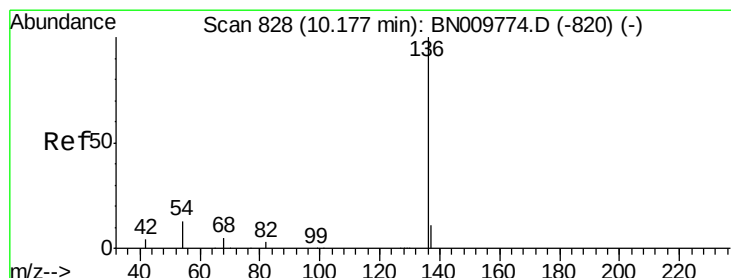
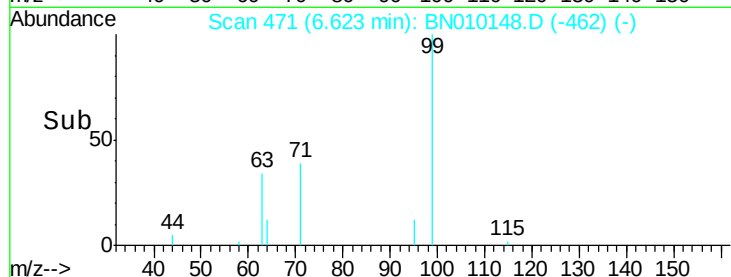
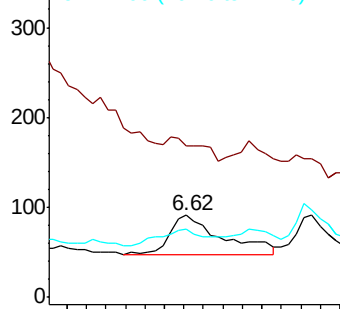
99 100

42 0.0 30.8 46.2#

71 33.5 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: BN010148.D

Acq: 09 Mar 2020 16:03

Tgt Ion: 136 Resp: 3313

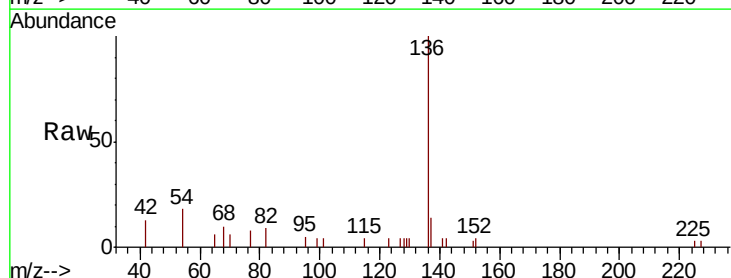
Ion Ratio Lower Upper

136 100

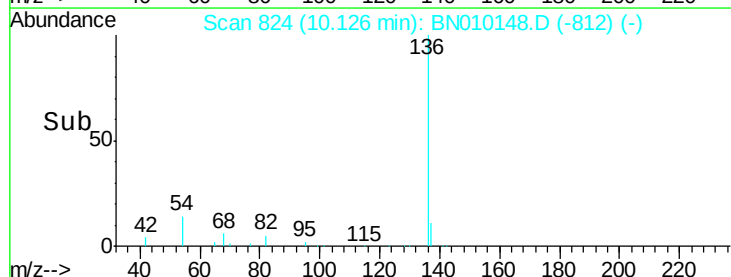
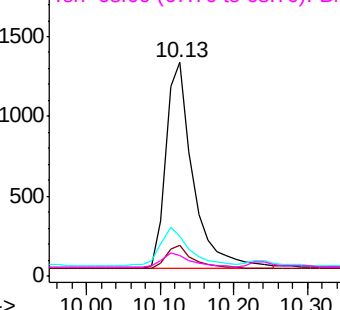
137 14.2 11.3 16.9

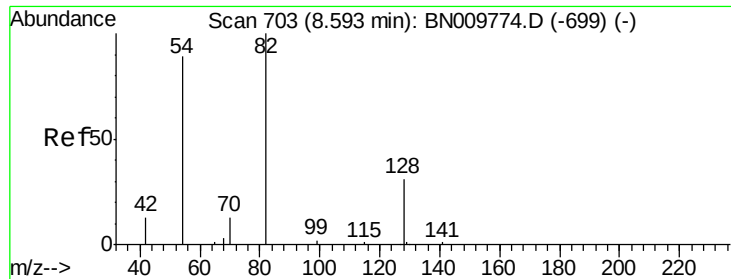
54 18.5 13.4 20.2

68 9.6 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: 0.362 ng

RT: 8.55 min Scan# 700

Delta R.T. -0.04 min

Lab File: BN010148.D

Acq: 09 Mar 2020 16:03

Instrument :

BNA_N

ClientSampleId :

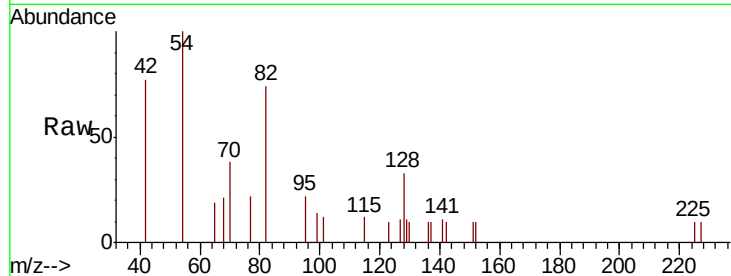
Tot Ion: 82 Resp: 998

Ion Ratio Lower Upper

82 100

128 44.6 32.5 48.7

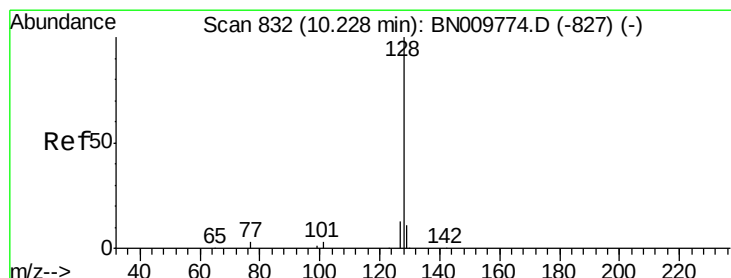
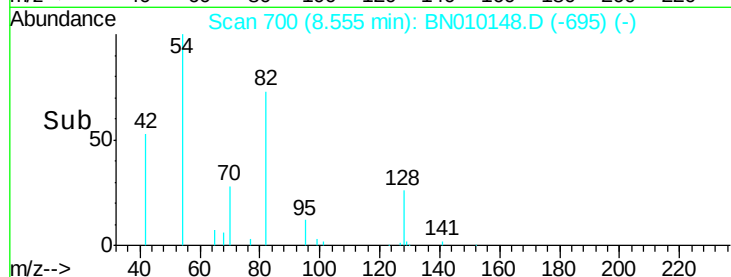
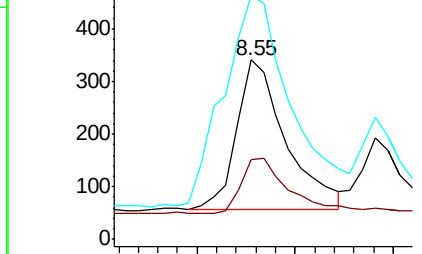
54 135.8 73.5 110.3#



Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): BNC

Ion 54.00 (53.70 to 54.70): BNC



#9

Naphthalene

Concen: 0.031 ng

RT: 10.18 min Scan# 828

Delta R.T. -0.05 min

Lab File: BN010148.D

Acq: 09 Mar 2020 16:03

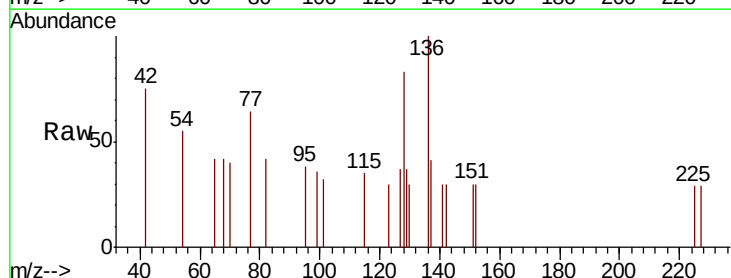
Tgt Ion: 128 Resp: 281

Ion Ratio Lower Upper

128 100

129 44.6 11.1 16.7#

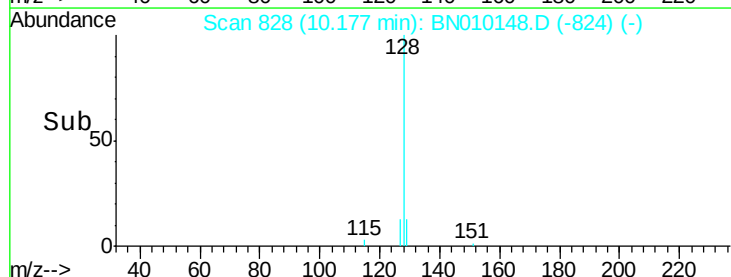
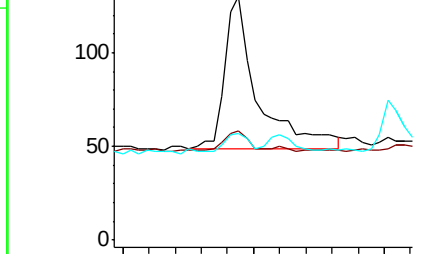
127 43.8 12.6 19.0#

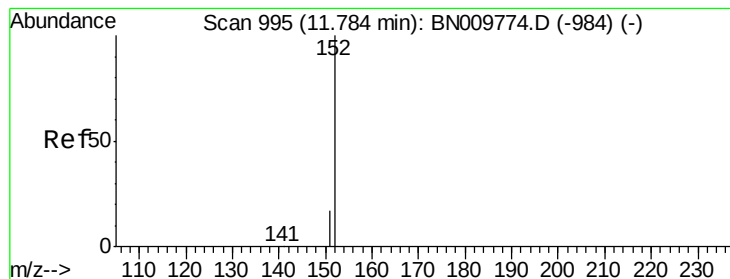


Abundance Ion 128.00 (127.70 to 128.70): BNC

Ion 129.00 (128.70 to 129.70): BNC

Ion 127.00 (126.70 to 127.70): BNC





#11

2-Methylnaphthalene-d10

Concen: 0.298 ng

RT: 11.71 min Scan# 979

Delta R.T. -0.07 min

Lab File: BN010148.D

Acq: 09 Mar 2020 16:03

Instrument :

BNA_N

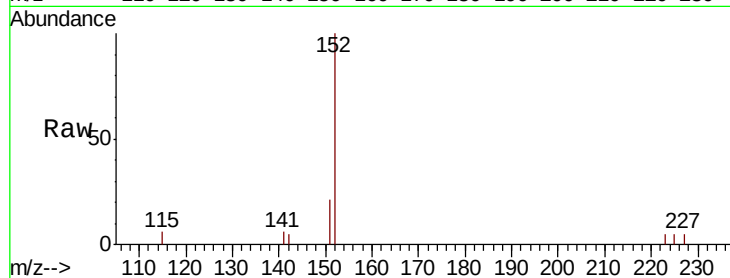
ClientSampleId :

Tot Ion:152 Resp: 1911

Ion Ratio Lower Upper

152 100

151 18.8 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.71

1000

800

600

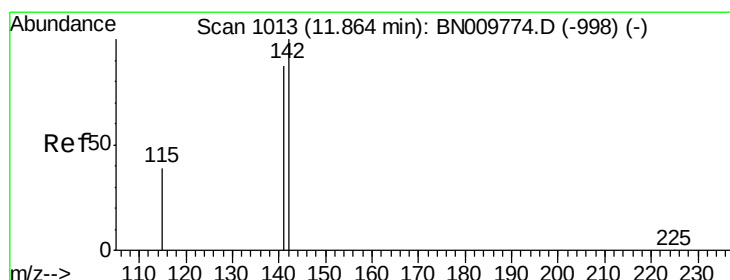
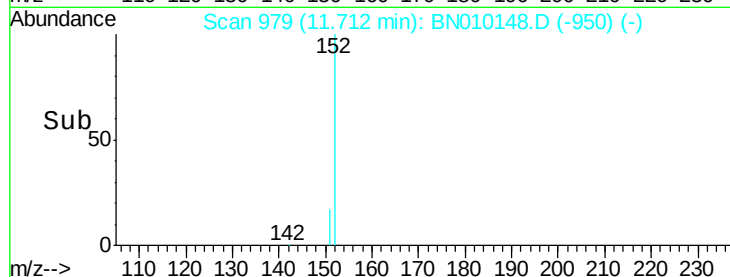
400

200

0

Time-->

11.60 11.70 11.80 11.90



#12

2-Methylnaphthalene

Concen: 0.028 ng

RT: 11.79 min Scan# 996

Delta R.T. -0.08 min

Lab File: BN010148.D

Acq: 09 Mar 2020 16:03

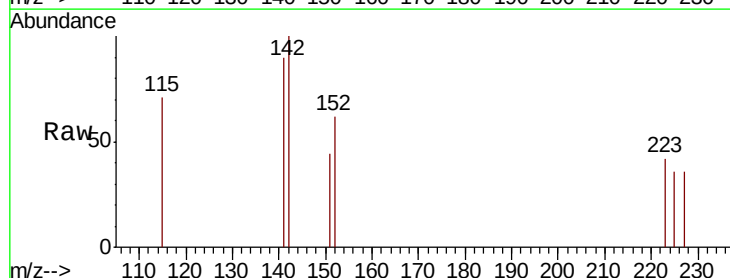
Tgt Ion:142 Resp: 172

Ion Ratio Lower Upper

142 100

141 90.3 69.8 104.6

115 71.0 34.6 52.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

11.79

150

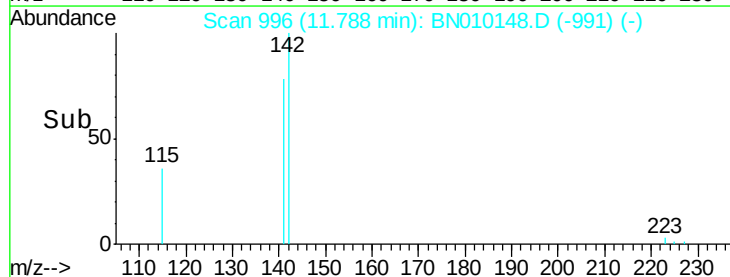
100

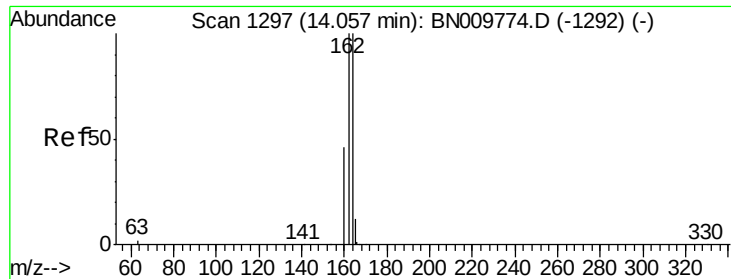
50

0

Time-->

11.70 11.80 11.90





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.00 min Scan# 1292

Delta R.T. -0.06 min

Lab File: BN010148.D

Acq: 09 Mar 2020 16:03

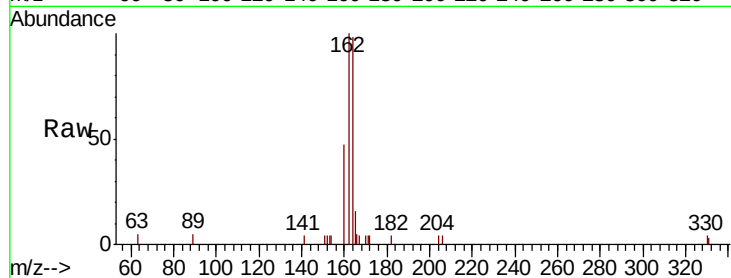
Instrument :

BNA_N

ClientSampleId :

Tot Ion:164 Resp: 2195

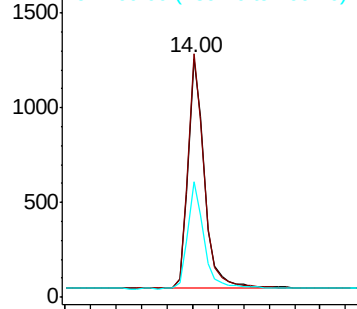
Ion	Ratio	Lower	Upper
164	100		
162	101.9	79.9	119.9
160	48.2	38.2	57.2



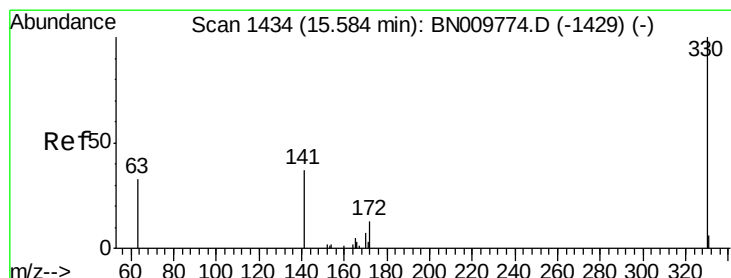
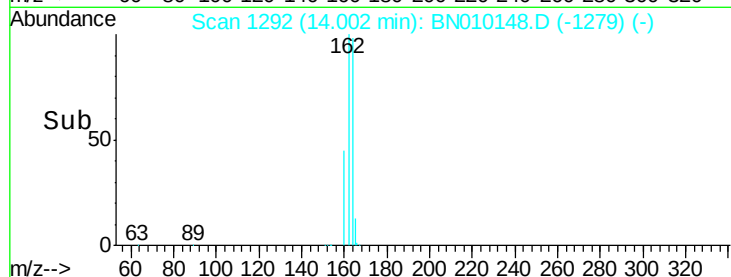
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



Time--> 13.80 14.00 14.20



#14

2,4,6-Tribromophenol

Concen: 0.015 ng

RT: 15.56 min Scan# 1432

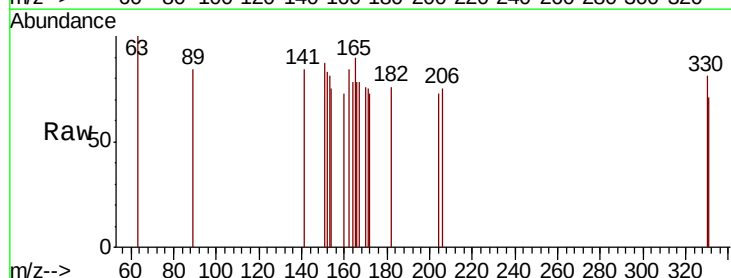
Delta R.T. -0.02 min

Lab File: BN010148.D

Acq: 09 Mar 2020 16:03

Tgt Ion:330 Resp: 13

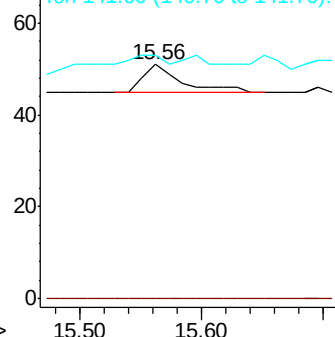
Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	115.4	36.8	55.2



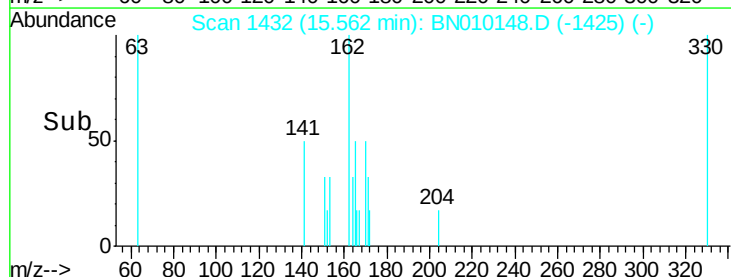
Abundance Ion 330.00 (329.70 to 330.70): E

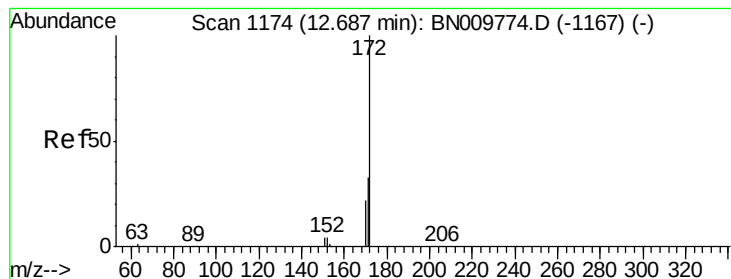
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



Time--> 15.50 15.60





#15

2-Fluorobiphenyl

Concen: 0.379 ng

RT: 12.62 min Scan# 1168

Delta R.T. -0.07 min

Lab File: BN010148.D

Acq: 09 Mar 2020 16:03

Instrument :

BNA_N

ClientSampleId :

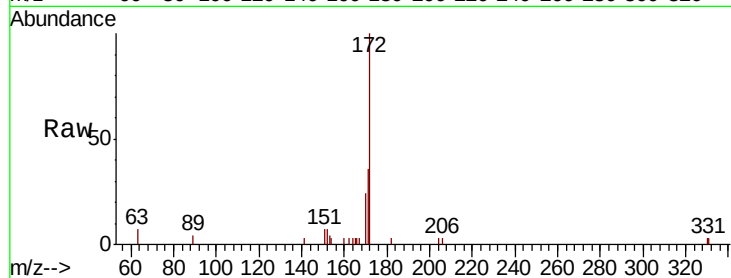
Tot Ion:172 Resp: 3143

Ion Ratio Lower Upper

172 100

171 35.5 28.7 43.1

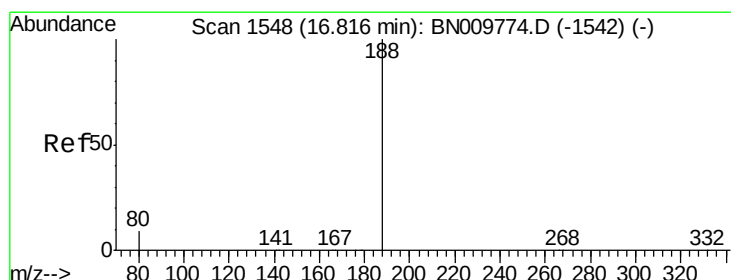
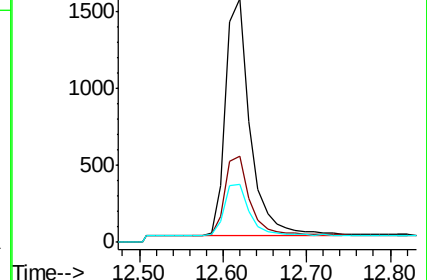
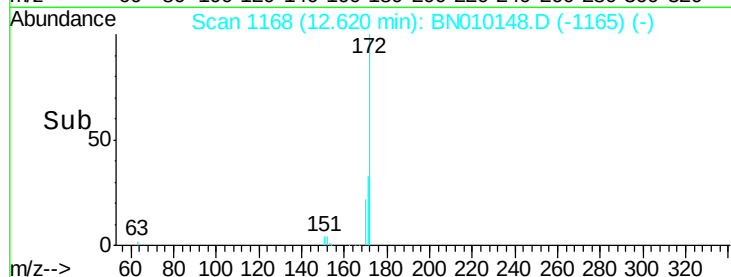
170 24.0 20.1 30.1



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: 16.78 min Scan# 1545

Delta R.T. -0.03 min

Lab File: BN010148.D

Acq: 09 Mar 2020 16:03

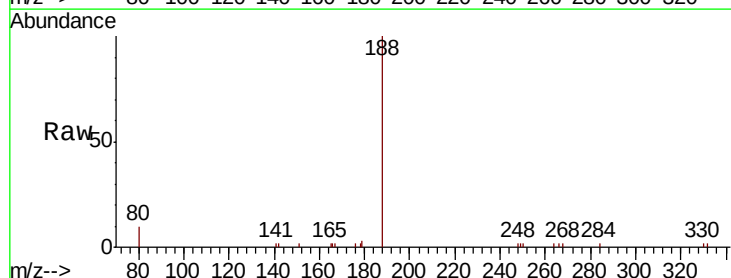
Tgt Ion:188 Resp: 4715

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

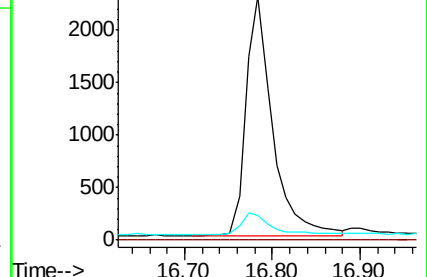
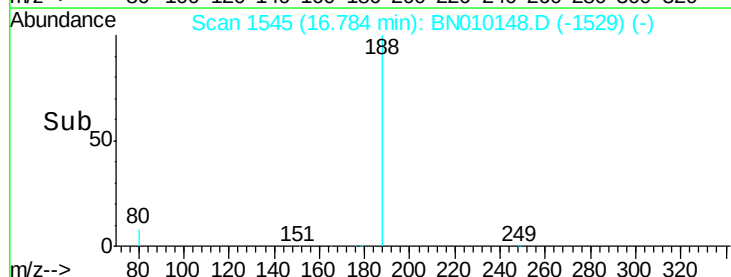
80 10.1 8.3 12.5

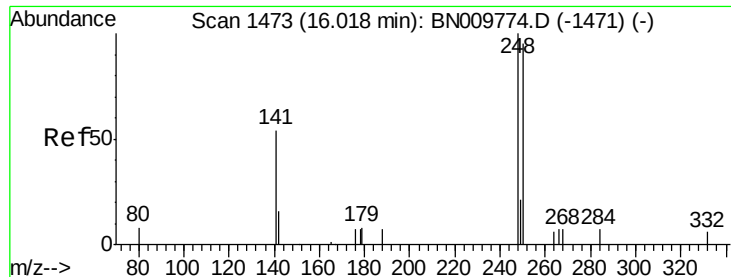


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC

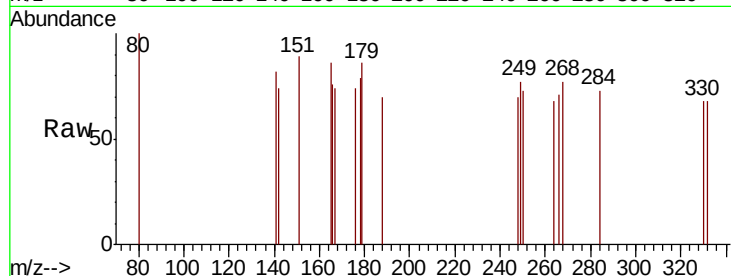




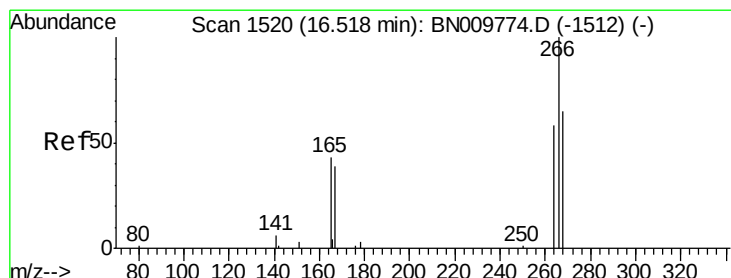
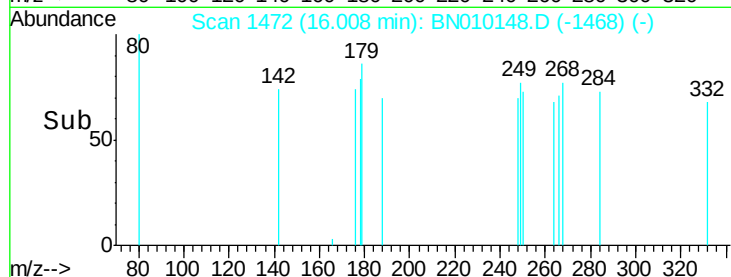
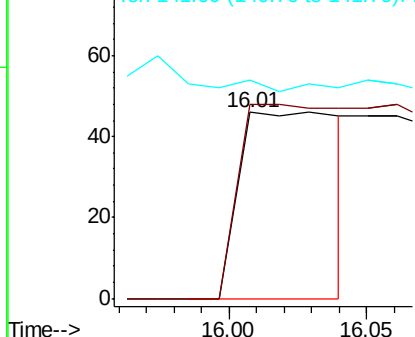
#20
4-Bromophenyl-phenylether
Concen: Below Cal
RT: 16.01 min Scan# 1472
Delta R.T. -0.01 min
Lab File: BN010148.D
Acq: 09 Mar 2020 16:03

Instrument :
BNA_N
ClientSampled :

Tot Ion:248 Resp: 118
Ion Ratio Lower Upper
248 100
250 104.3 76.2 114.4
141 117.4 57.8 86.6#

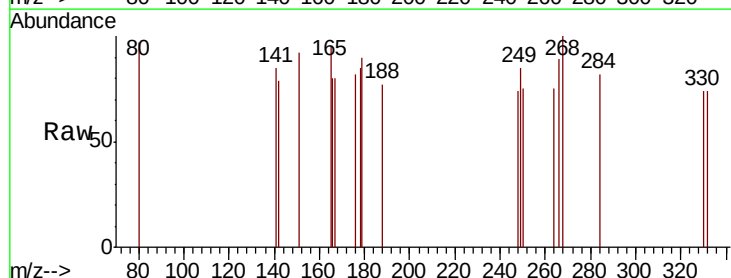


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

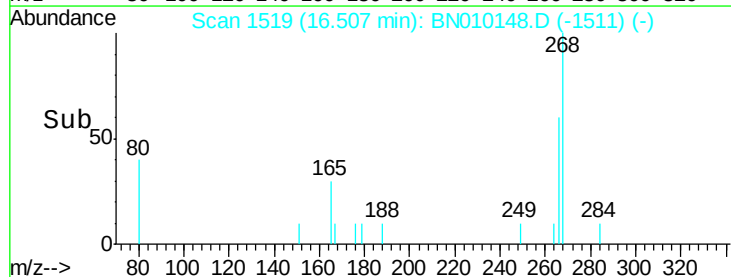
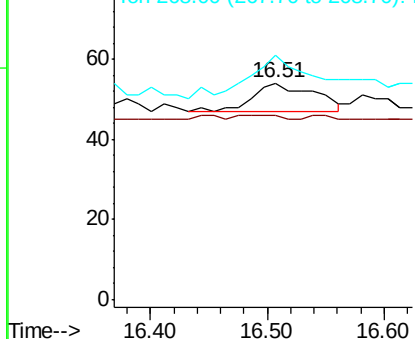


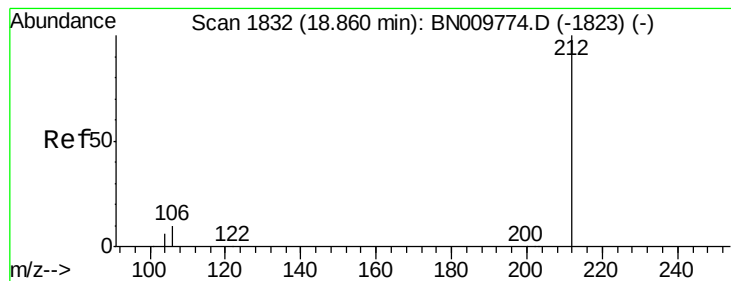
#22
Pentachlorophenol
Concen: 0.205 ng
RT: 16.51 min Scan# 1519
Delta R.T. -0.01 min
Lab File: BN010148.D
Acq: 09 Mar 2020 16:03

Tgt Ion:266 Resp: 26
Ion Ratio Lower Upper
266 100
264 85.2 58.1 87.1
268 113.0 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: 0.281 ng

RT: 18.83 min Scan# 1825

Delta R.T. -0.03 min

Lab File: BN010148.D

Acq: 09 Mar 2020 16:03

Instrument :

BNA_N

ClientSampleId :

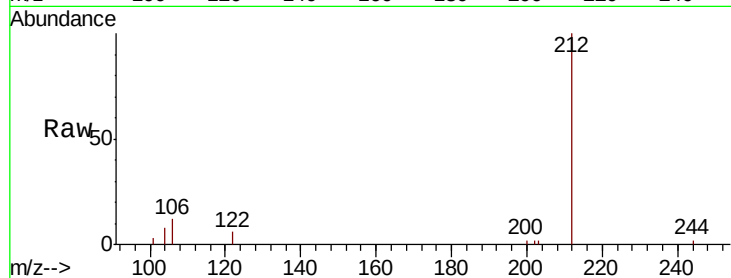
Tot Ion:212 Resp: 4589

Ion Ratio Lower Upper

212 100

106 11.2 8.4 12.6

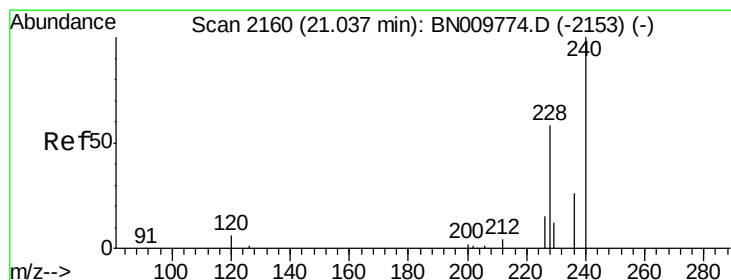
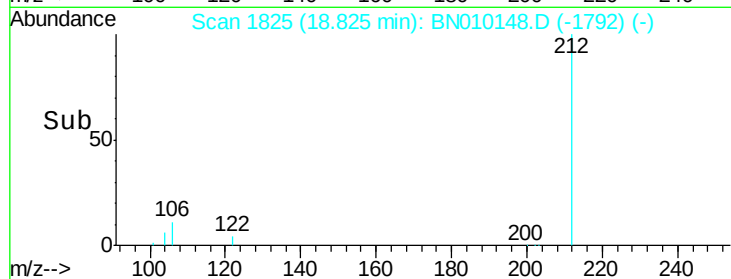
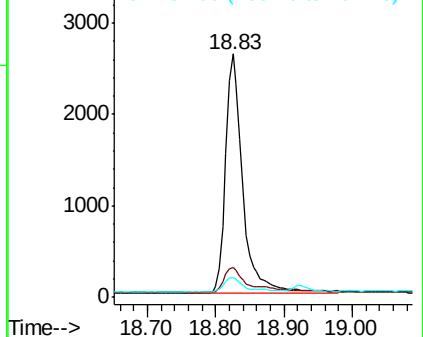
104 7.5 4.8 7.2#



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: BN010148.D

Acq: 09 Mar 2020 16:03

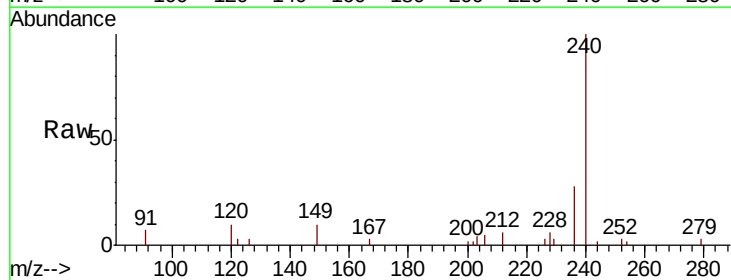
Tgt Ion:240 Resp: 4582

Ion Ratio Lower Upper

240 100

120 10.2 7.9 11.9

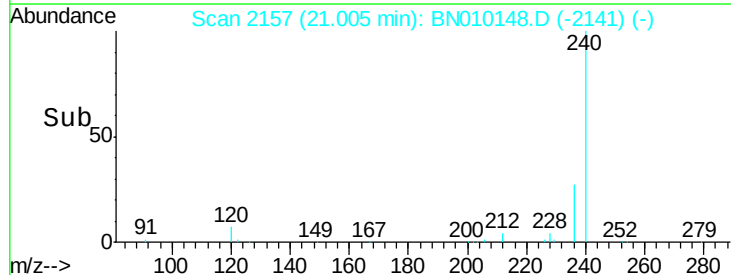
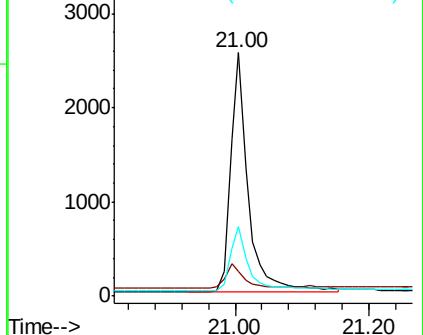
236 28.3 22.0 33.0

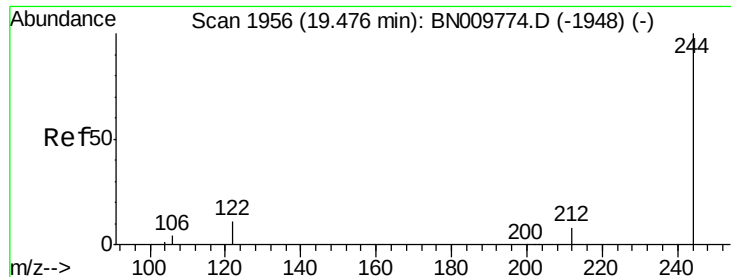


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.398 ng

RT: 19.43 min Scan# 1946

Delta R.T. -0.05 min

Lab File: BN010148.D

Acq: 09 Mar 2020 16:03

Instrument :

BNA_N

ClientSampleId :

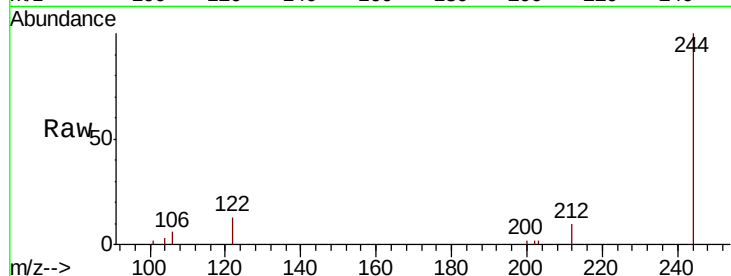
Tot Ion:244 Resp: 4355

Ion Ratio Lower Upper

244 100

212 9.8 8.0 12.0

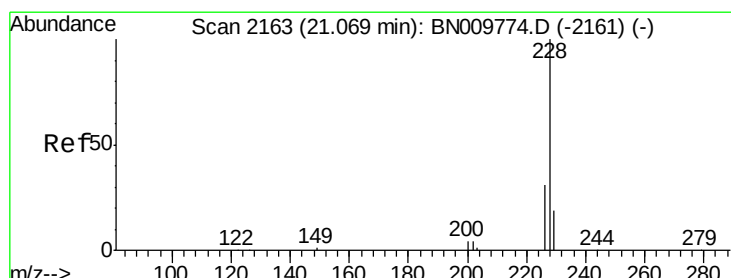
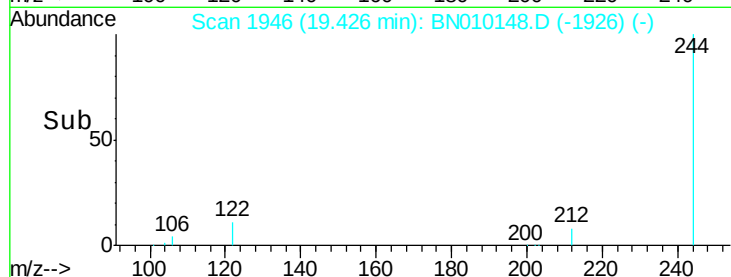
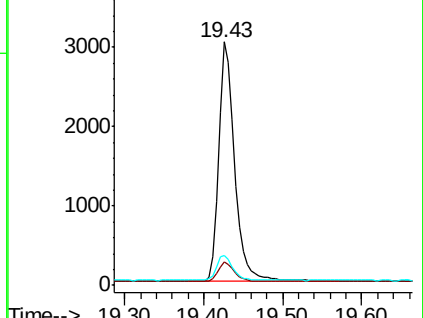
122 12.5 10.0 15.0



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



#31

Chrysene

Concen: 0.022 ng

RT: 21.05 min Scan# 2161

Delta R.T. -0.02 min

Lab File: BN010148.D

Acq: 09 Mar 2020 16:03

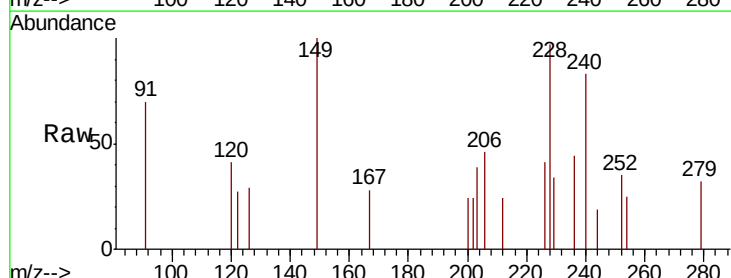
Tgt Ion:228 Resp: 385

Ion Ratio Lower Upper

228 100

226 41.9 24.8 37.2#

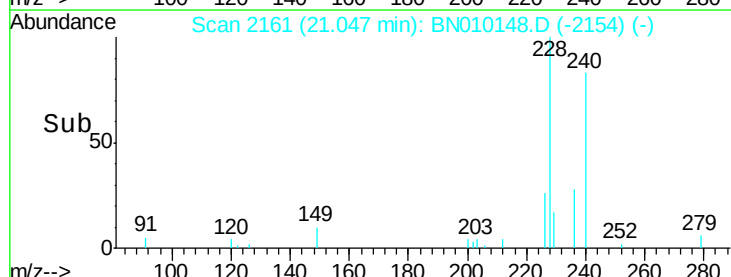
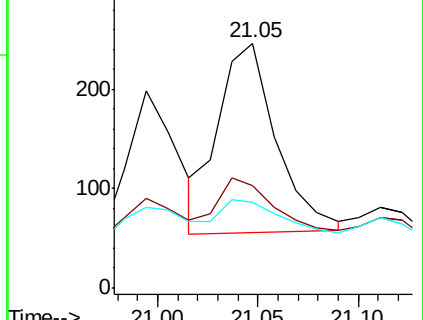
229 35.0 16.4 24.6#

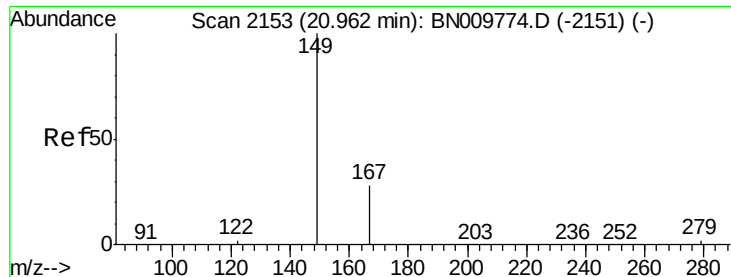


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.076 ng

RT: 20.92 min Scan# 2149

Delta R.T. -0.04 min

Lab File: BN010148.D

Acq: 09 Mar 2020 16:03

Instrument :

BNA_N

ClientSampled :

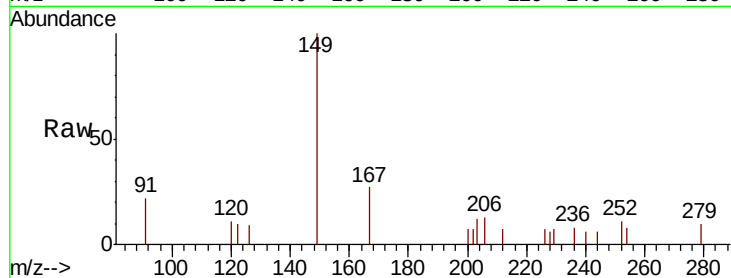
Tot Ion:149 Resp: 567

Ion Ratio Lower Upper

149 100

167 28.9 22.7 34.1

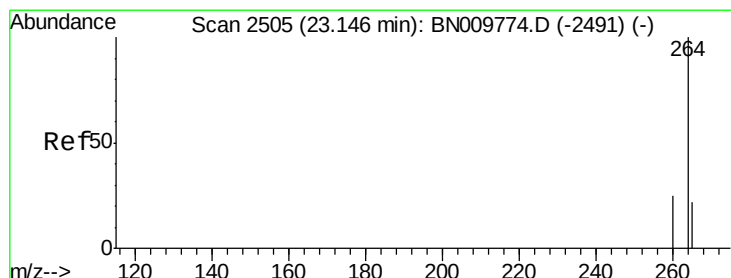
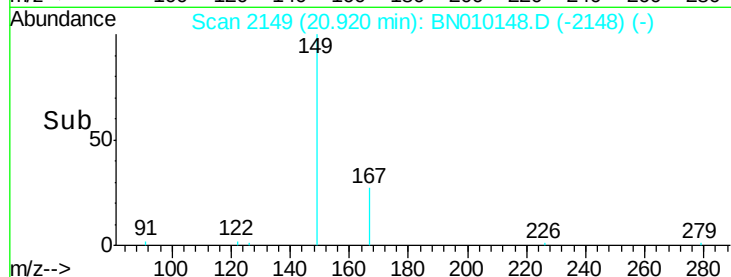
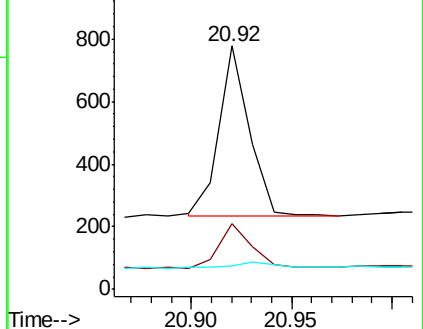
279 4.4 3.1 4.7



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: BN010148.D

Acq: 09 Mar 2020 16:03

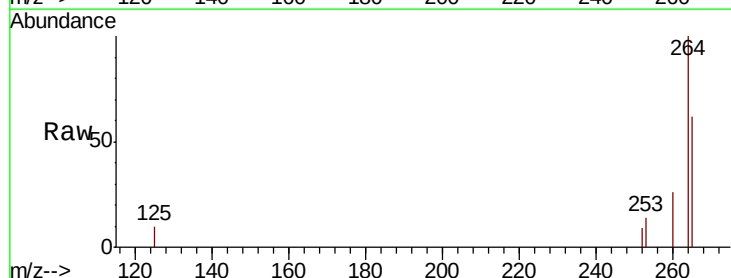
Tgt Ion:264 Resp: 4210

Ion Ratio Lower Upper

264 100

260 25.6 21.1 31.7

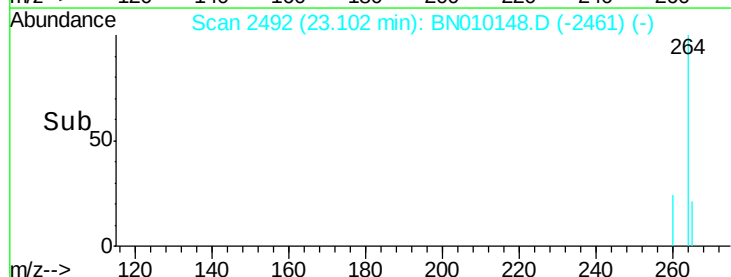
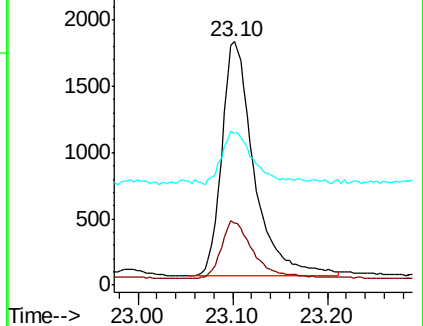
265 62.2 57.5 86.3

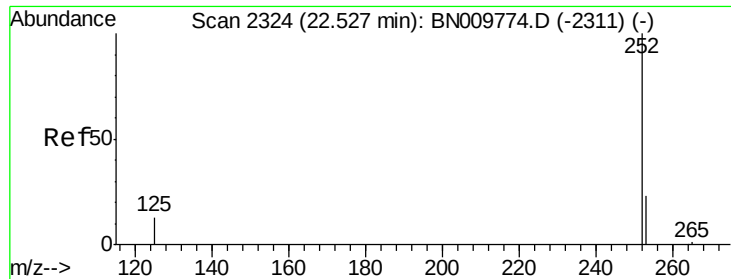


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.030 ng

RT: 22.50 min Scan# 2315

Delta R.T. -0.03 min

Lab File: BN010148.D

Acq: 09 Mar 2020 16:03

Instrument :

BNA_N

ClientSampleId :

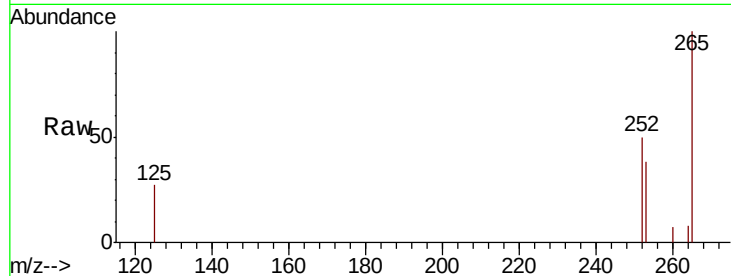
Tot Ion:252 Resp: 459

Ion Ratio Lower Upper

252 100

253 76.9 23.0 34.6#

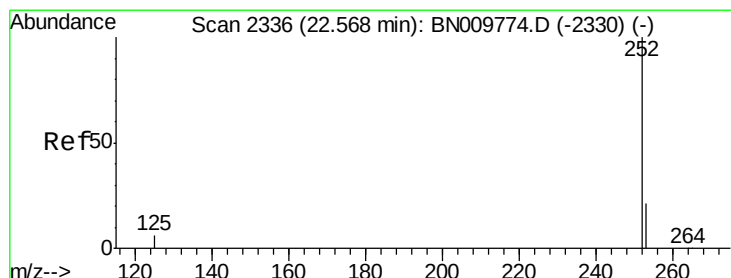
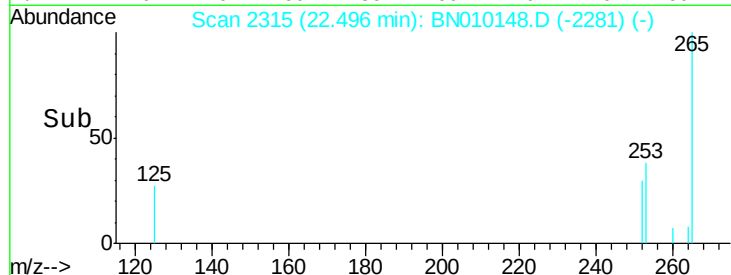
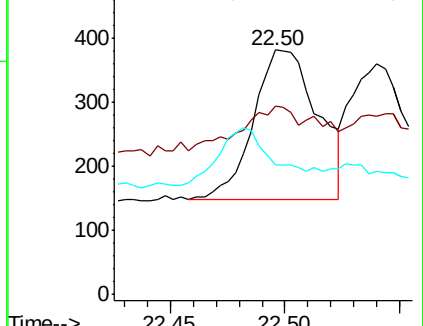
125 53.0 14.4 21.6#



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: 22.54 min Scan# 2328

Delta R.T. -0.03 min

Lab File: BN010148.D

Acq: 09 Mar 2020 16:03

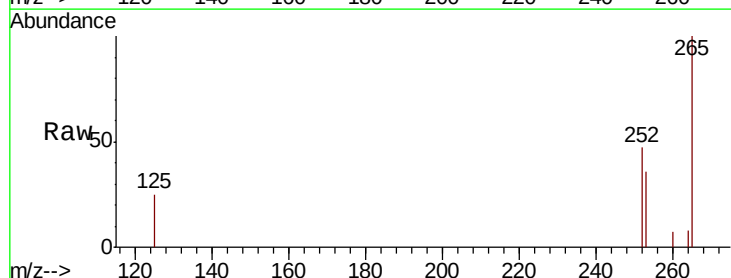
Tgt Ion:252 Resp: 445

Ion Ratio Lower Upper

252 100

253 76.9 22.2 33.2#

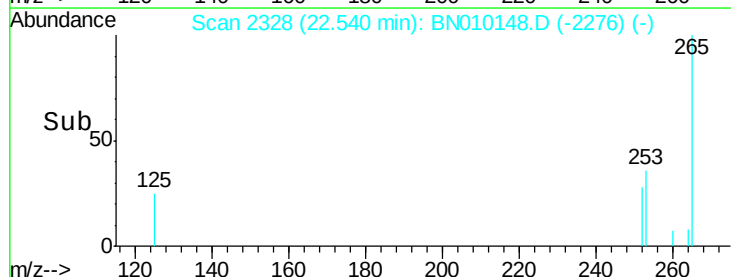
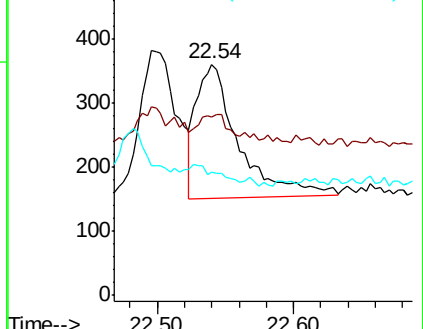
125 53.3 10.5 15.7#

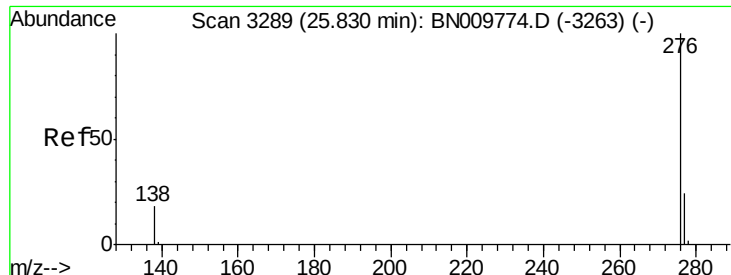


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.021 ng

RT: 25.79 min Scan# 3277

Delta R.T. -0.04 min

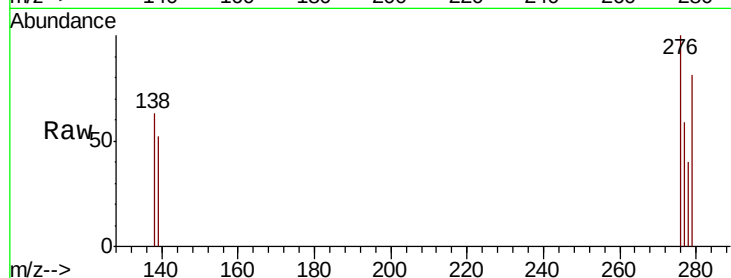
Lab File: BN010148.D

Acq: 09 Mar 2020 16:03

Instrument :

BNA_N

ClientSampleId :



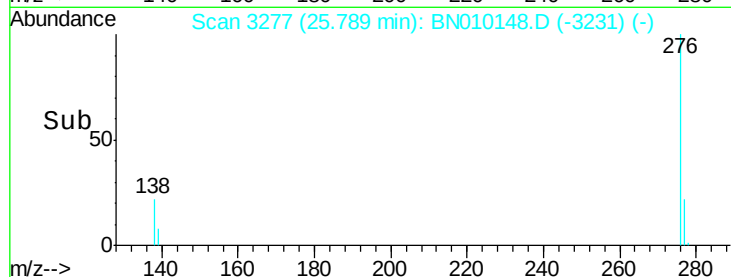
Tot Ion: 276 Resp: 316

Ion Ratio Lower Upper

276 100

277 59.0 21.4 32.0#

138 63.3 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

