

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032420\
 Data File : BN010336.D
 Acq On : 24 Mar 2020 21:03
 Operator : CG/JU
 Sample : L1997-12
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EB-20200316

Quant Time: Mar 25 01:48:31 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN031920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 19 15:26:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	4997	0.40	ng	0.00
7) Naphthalene-d8	10.38	136	17613	0.40	ng	0.00
13) Acenaphthene-d10	14.24	164	10717	0.40	ng	-0.01
19) Phenanthrene-d10	16.99	188	24848	0.40	ng	0.00
27) Chrysene-d12	21.19	240	25775	0.40	ng	0.00
34) Perylene-d12	23.35	264	26785	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.25	112	1470	0.15	ng	0.00
5) Phenol-d6	6.80	99	1108	0.09	ng	0.00
8) Nitrobenzene-d5	8.74	82	5811	0.51	ng	0.00
11) 2-Methylnaphthalene-d10	11.97	152	7766	0.28	ng	0.00
14) 2,4,6-Tribromophenol	15.73	330	1080	0.26	ng	0.00
15) 2-Fluorobiphenyl	12.85	172	23160	0.56	ng	-0.01
25) Fluoranthene-d10	19.02	212	21610	0.29	ng	0.00
29) Terphenyl-d14	19.63	244	31156	0.56	ng	0.00

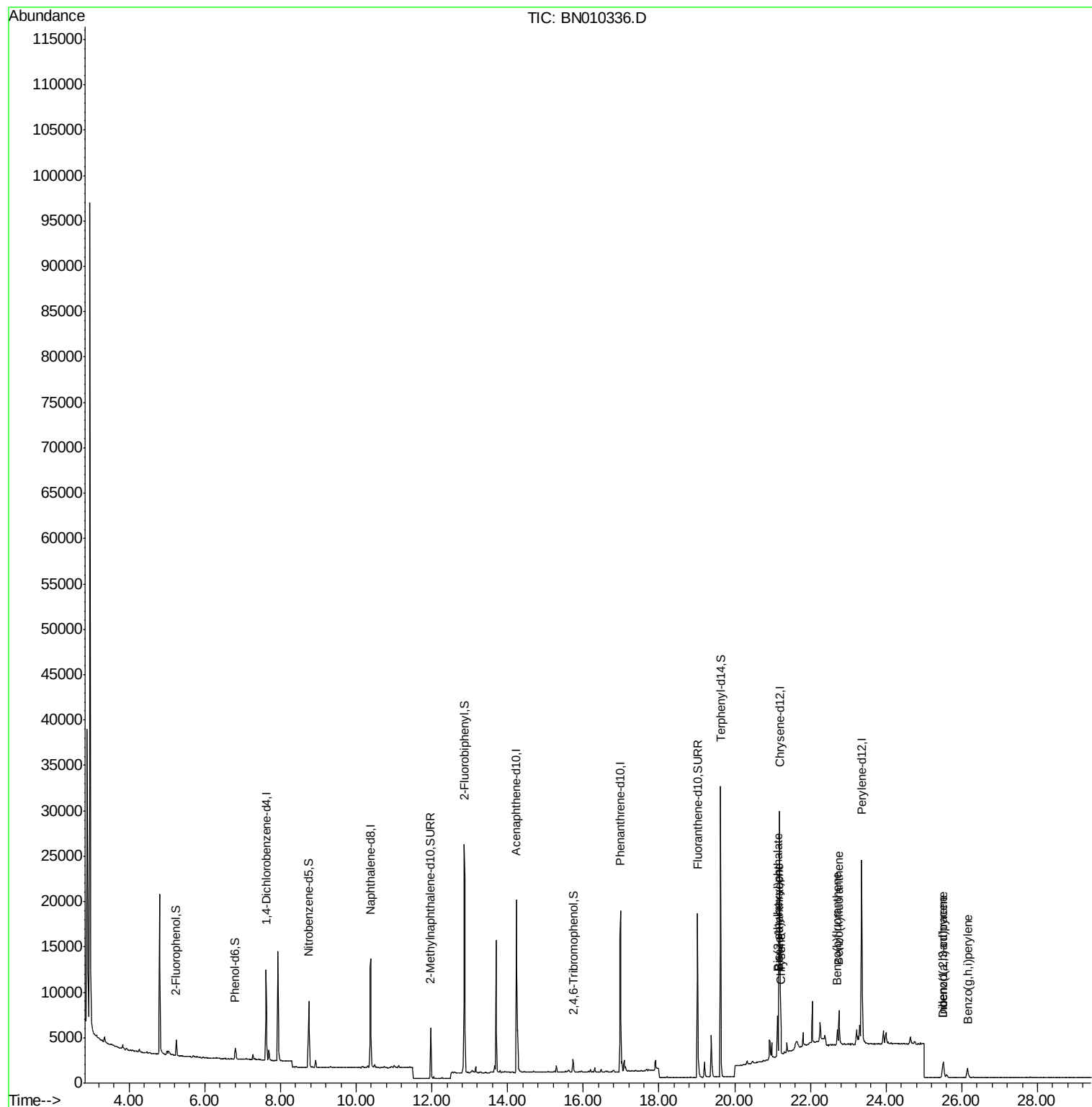
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
30) Benzo(a)anthracene	21.16	228	1716	0.021	ng	# 91
31) Chrysene	21.22	228	1994	0.023	ng	94
32) Bis(2-ethylhexyl)phthalate	21.13	149	4635	0.167	ng	98
33) Indeno(1,2,3-cd)pyrene	25.50	276	2127	0.023	ng	96
35) Benzo(b)fluoranthene	22.71	252	2069	0.023	ng	# 42
36) Benzo(k)fluoranthene	22.76	252	2462	0.027	ng	# 1
38) Dibenzo(a,h)anthracene	25.52	278	1859	0.022	ng	# 60
39) Benzo(g,h,i)perylene	26.15	276	2125	0.025	ng	# 84

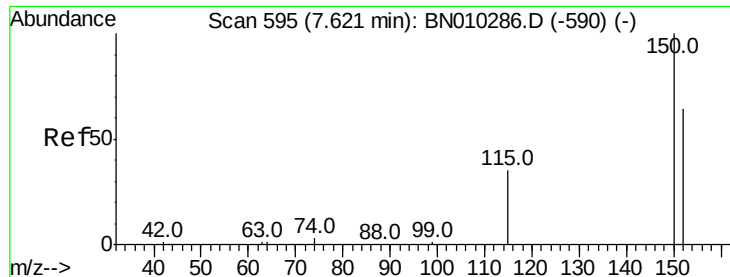
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.62 min Scan# 595

Delta R.T. 0.00 min

Lab File: BN010336.D

Acq: 24 Mar 2020 21:03

Instrument :

BNA_N

ClientSampleId :

EB-20200316

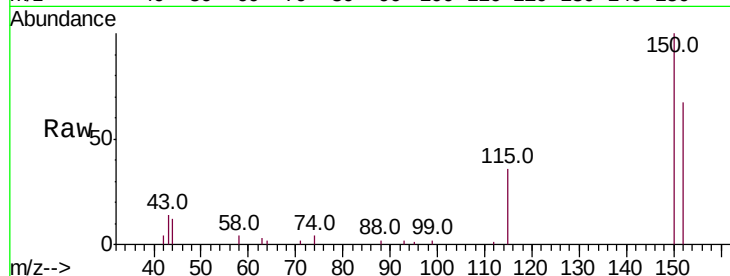
Tot Ion:152 Resp: 4997

Ion Ratio Lower Upper

152 100

150 149.2 123.1 184.7

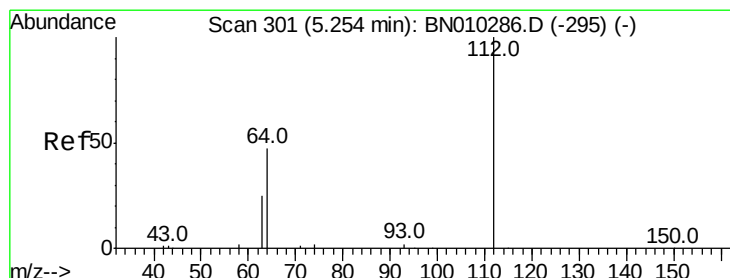
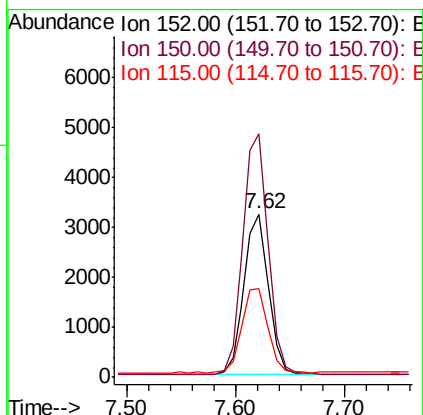
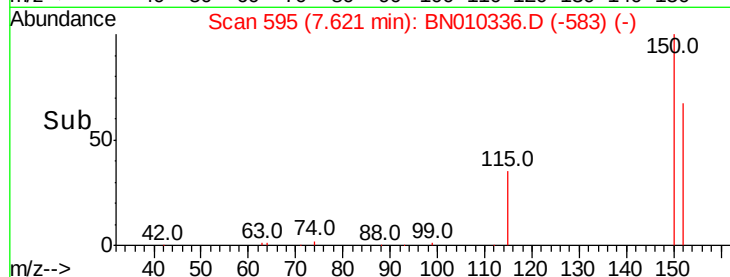
115 54.4 45.2 67.8



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: 0.149 ng

RT: 5.25 min Scan# 301

Delta R.T. 0.00 min

Lab File: BN010336.D

Acq: 24 Mar 2020 21:03

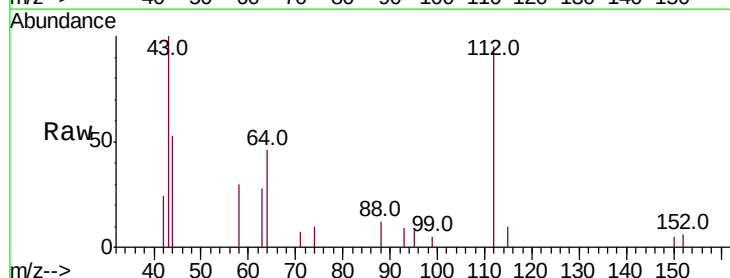
Tgt Ion:112 Resp: 1470

Ion Ratio Lower Upper

112 100

64 52.2 41.4 62.2

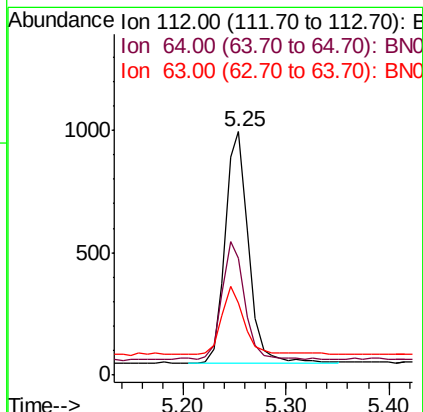
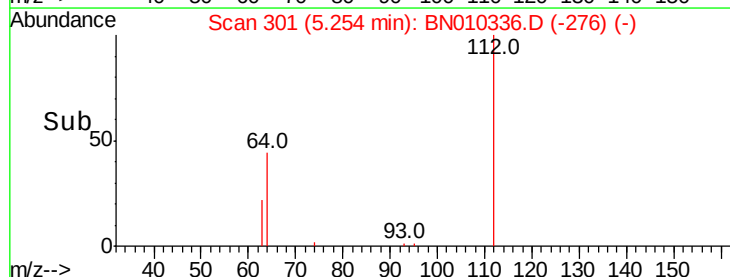
63 28.8 22.9 34.3

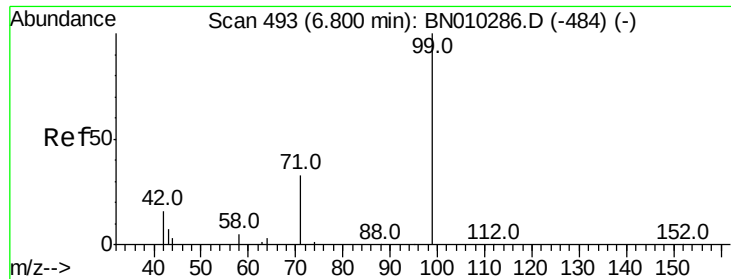


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.090 ng

RT: 6.80 min Scan# 493

Delta R.T. 0.00 min

Lab File: BN010336.D

Acq: 24 Mar 2020 21:03

Instrument :

BNA_N

ClientSampleId :

EB-20200316

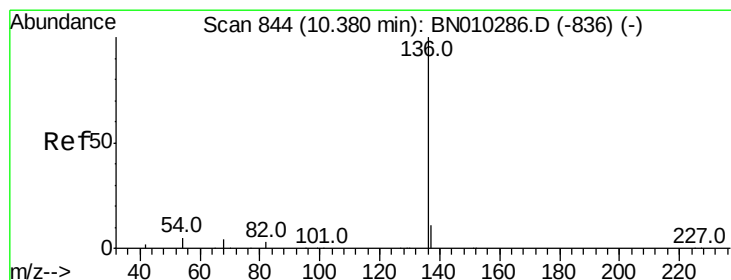
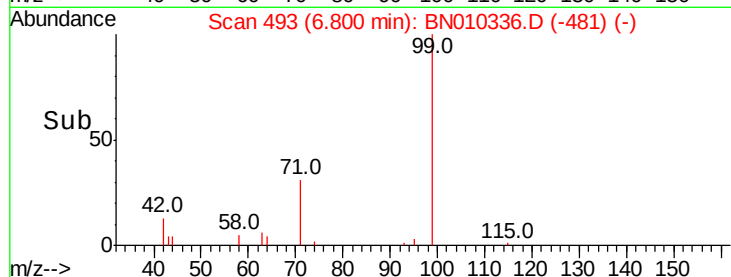
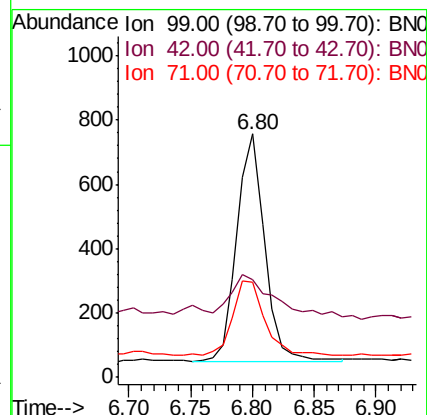
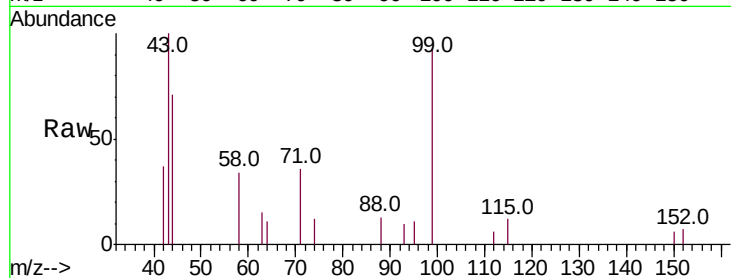
Tot Ion: 99 Resp: 1108

Ion Ratio Lower Upper

99 100

42 31.5 14.8 22.2#

71 37.9 27.3 40.9



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.38 min Scan# 844

Delta R.T. 0.00 min

Lab File: BN010336.D

Acq: 24 Mar 2020 21:03

Tgt Ion: 136 Resp: 17613

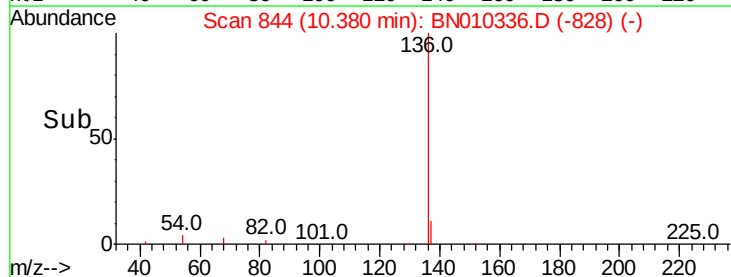
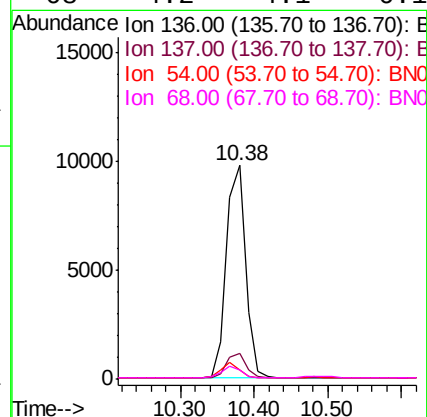
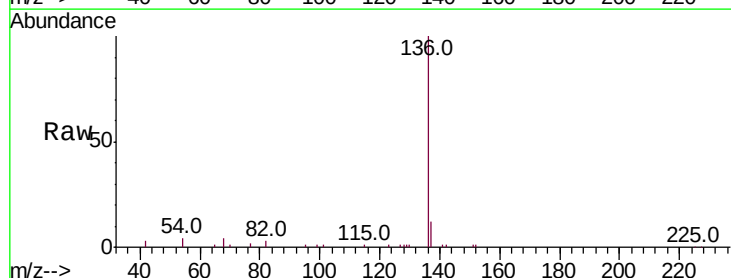
Ion Ratio Lower Upper

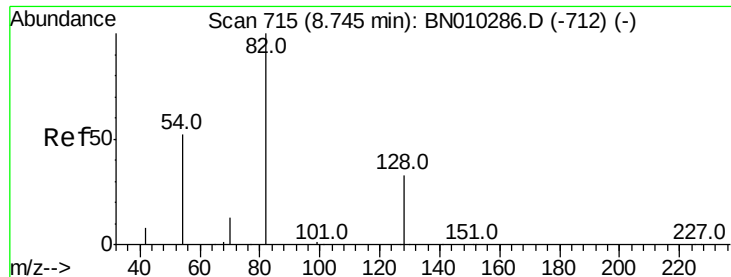
136 100

137 11.7 9.3 13.9

54 4.5 4.8 7.2#

68 4.2 4.1 6.1





#8

Nitrobenzene-d5

Concen: 0.515 ng

RT: 8.74 min Scan# 715

Delta R.T. 0.00 min

Lab File: BN010336.D

Acq: 24 Mar 2020 21:03

Instrument :

BNA_N

ClientSampleId :

EB-20200316

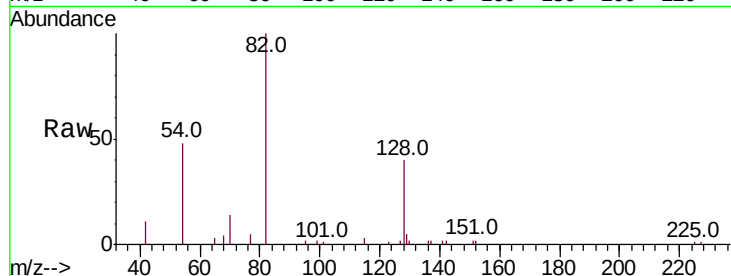
Tot Ion: 82 Resp: 5811

Ion Ratio Lower Upper

82 100

128 40.2 28.8 43.2

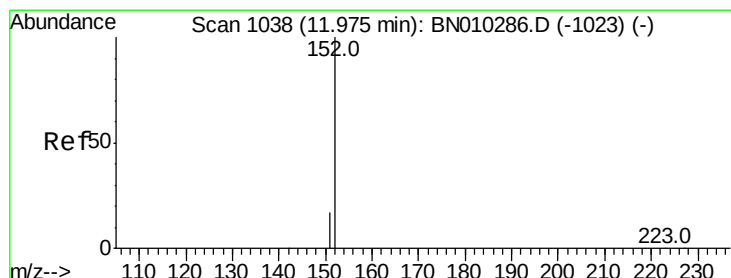
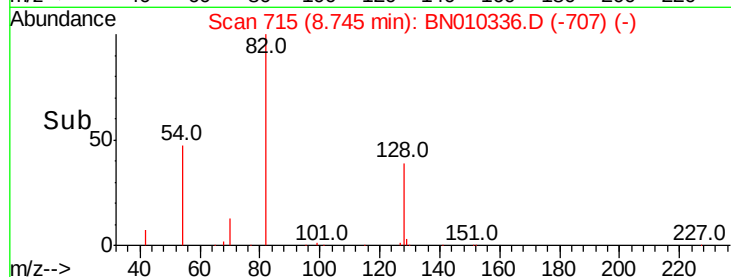
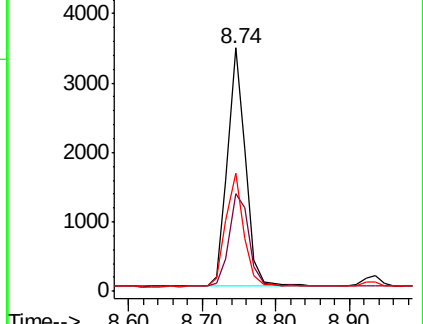
54 48.4 42.1 63.1



Abundance Ion 82.00 (81.70 to 82.70): BN010336.D (-993) (-)

Ion 128.00 (127.70 to 128.70): BN010336.D (-993) (-)

Ion 54.00 (53.70 to 54.70): BN010336.D (-993) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.276 ng

RT: 11.97 min Scan# 1037

Delta R.T. -0.00 min

Lab File: BN010336.D

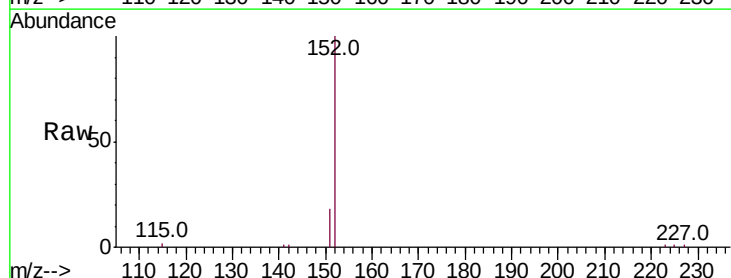
Acq: 24 Mar 2020 21:03

Tgt Ion: 152 Resp: 7766

Ion Ratio Lower Upper

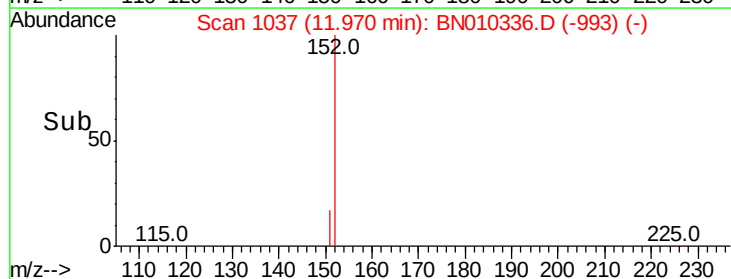
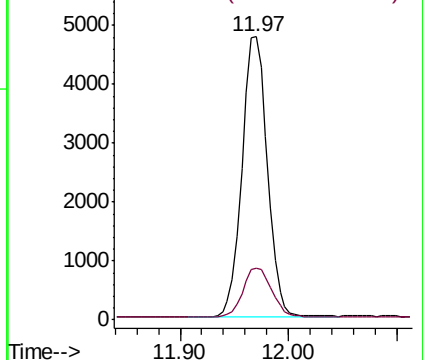
152 100

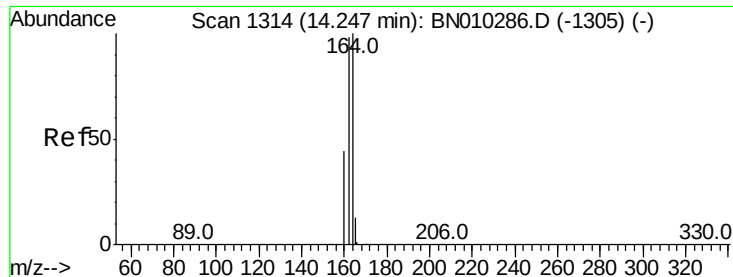
151 19.6 15.4 23.2



Abundance Ion 152.00 (151.70 to 152.70): BN010336.D (-993) (-)

Ion 151.00 (150.70 to 151.70): BN010336.D (-993) (-)





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.24 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BN010336.D

Acq: 24 Mar 2020 21:03

Instrument :

BNA_N

ClientSampleId :

EB-20200316

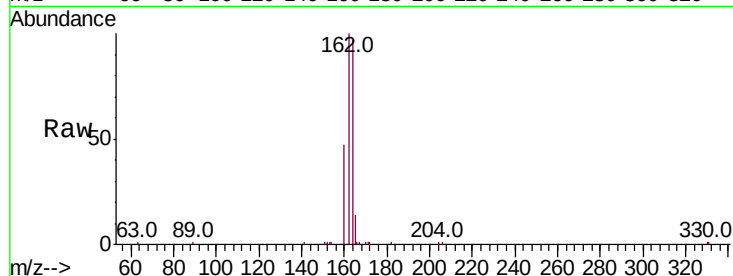
Tot Ion:164 Resp: 10717

Ion Ratio Lower Upper

164 100

162 102.7 78.2 117.2

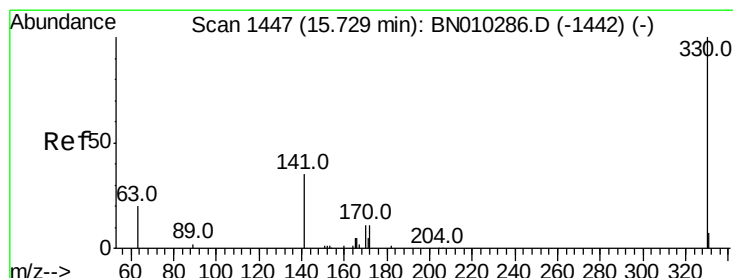
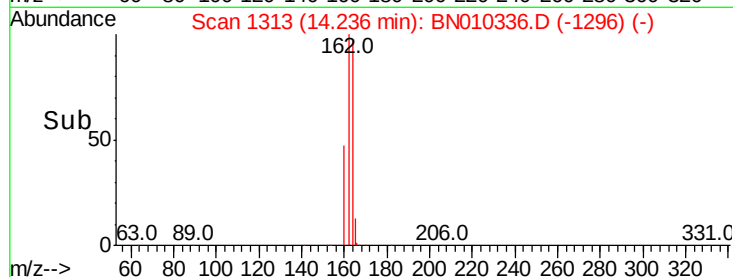
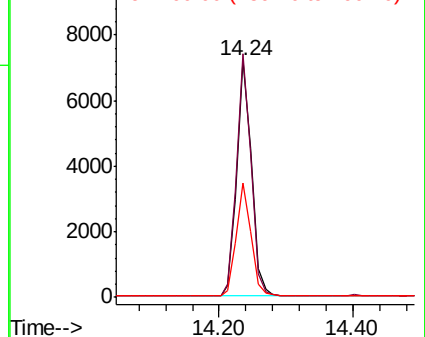
160 48.5 35.8 53.6



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: 0.262 ng

RT: 15.73 min Scan# 1447

Delta R.T. 0.00 min

Lab File: BN010336.D

Acq: 24 Mar 2020 21:03

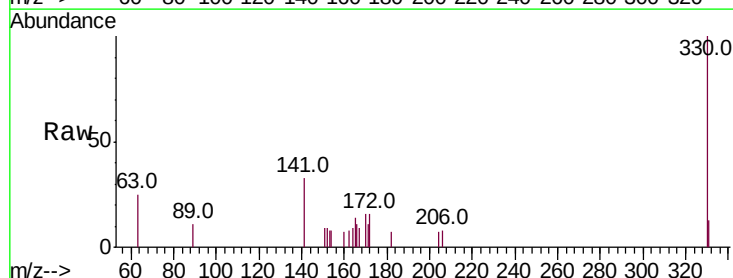
Tgt Ion:330 Resp: 1080

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

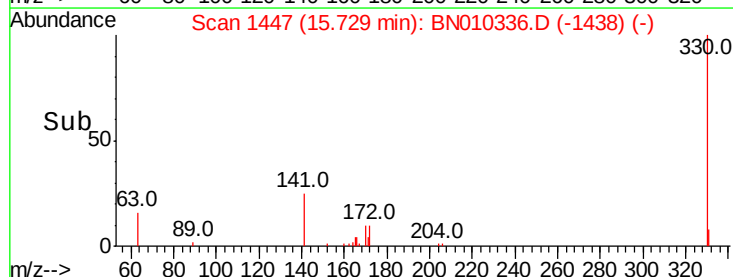
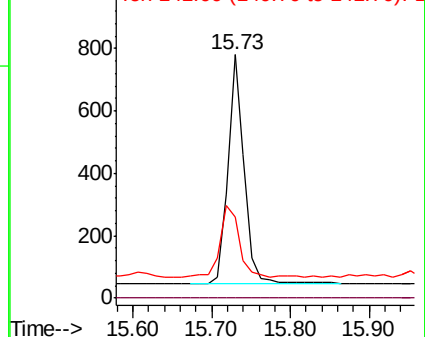
141 36.9 29.3 43.9

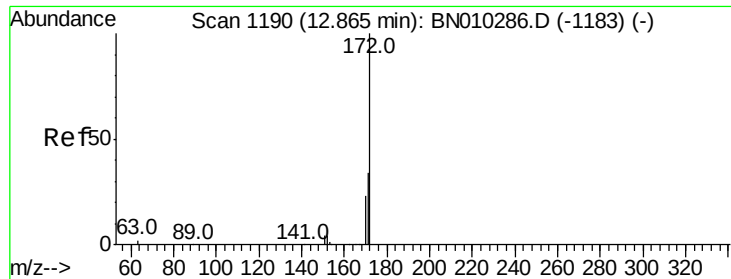


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

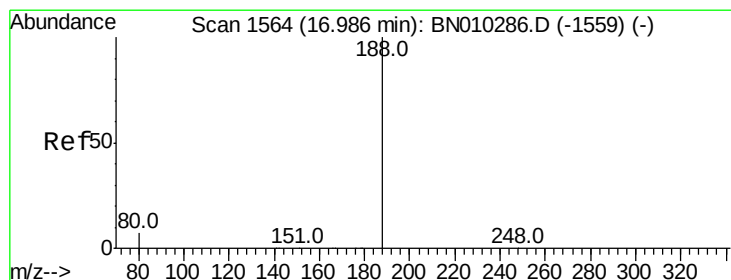
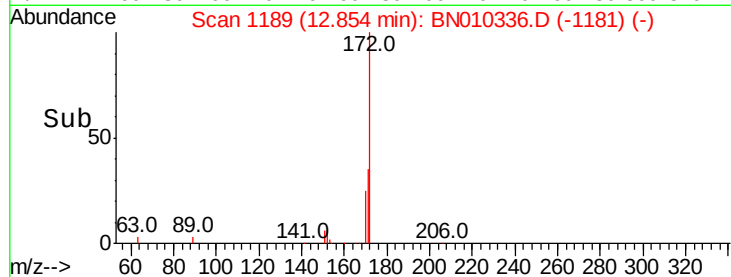
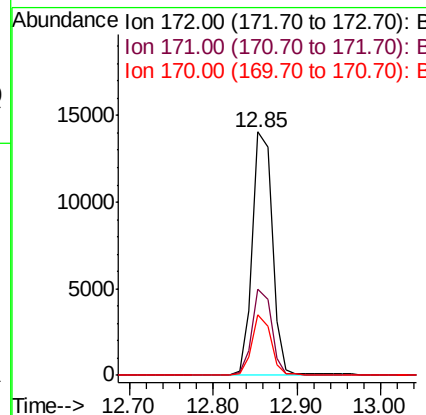
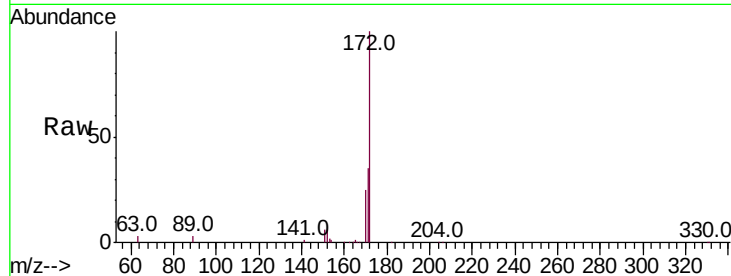




#15
2-Fluorobiphenyl
Concen: 0.565 ng
RT: 12.85 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BN010336.D
Acq: 24 Mar 2020 21:03

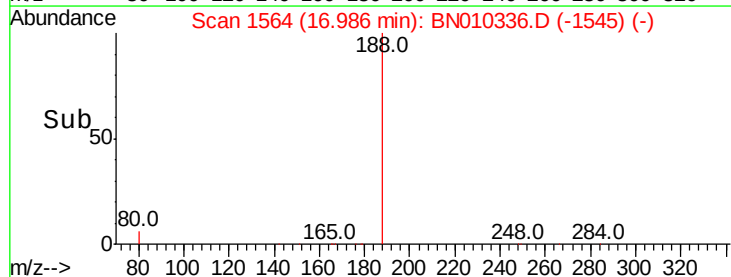
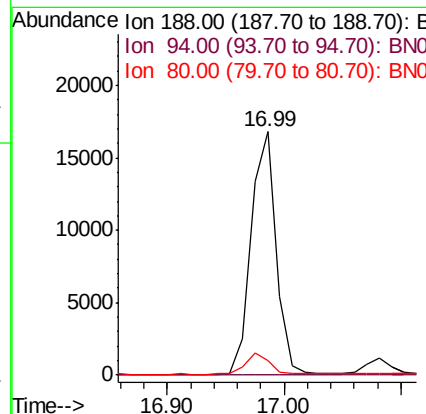
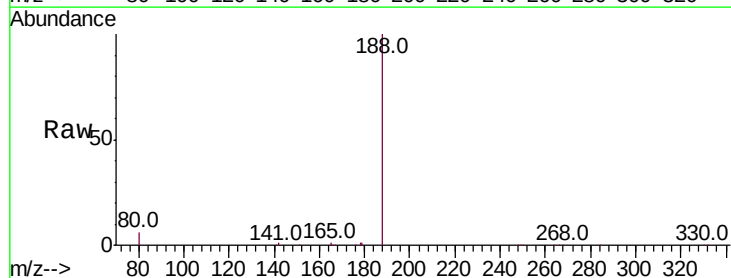
Instrument :
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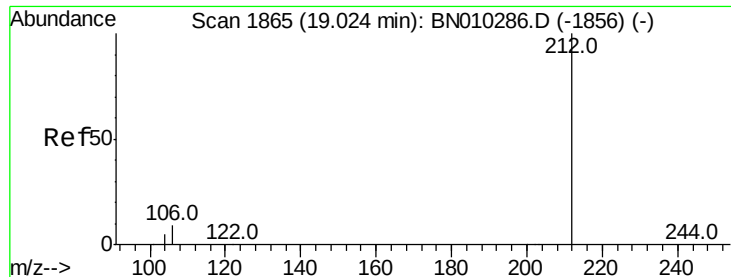
Tot Ion:172 Resp: 23160
Ion Ratio Lower Upper
172 100
171 35.4 27.6 41.4
170 24.9 18.5 27.7



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.99 min Scan# 1564
Delta R.T. 0.00 min
Lab File: BN010336.D
Acq: 24 Mar 2020 21:03

Tgt Ion:188 Resp: 24848
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 5.9 6.0 9.0#





#25

Fluoranthene-d10

Concen: 0.288 ng

RT: 19.02 min Scan# 1864

Delta R.T. -0.00 min

Lab File: BN010336.D

Acq: 24 Mar 2020 21:03

Instrument :

BNA_N

ClientSampleId :

EB-20200316

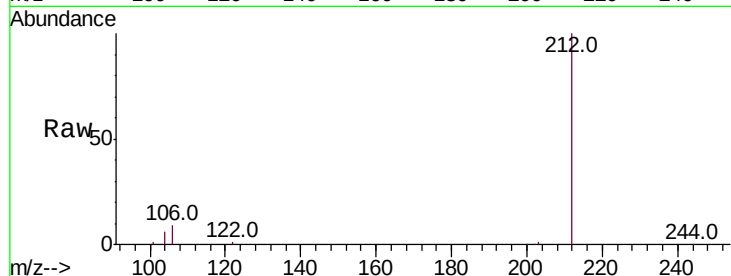
Tot Ion:212 Resp: 21610

Ion Ratio Lower Upper

212 100

106 9.8 7.4 11.2

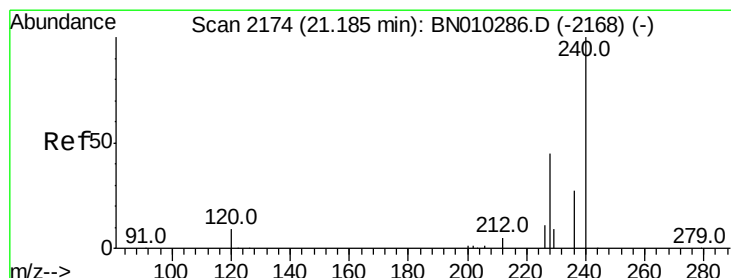
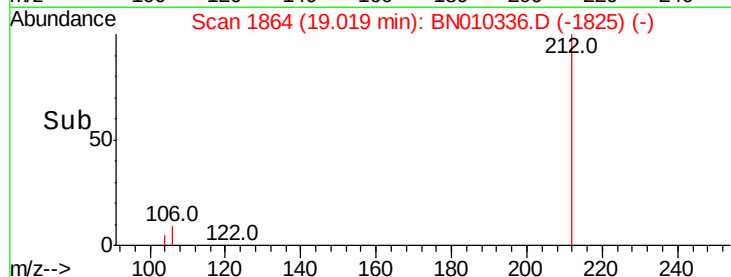
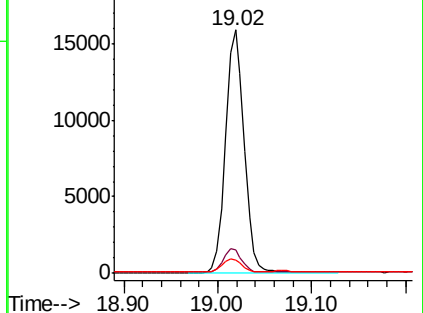
104 5.5 4.2 6.4



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: 21.19 min Scan# 2174

Delta R.T. 0.00 min

Lab File: BN010336.D

Acq: 24 Mar 2020 21:03

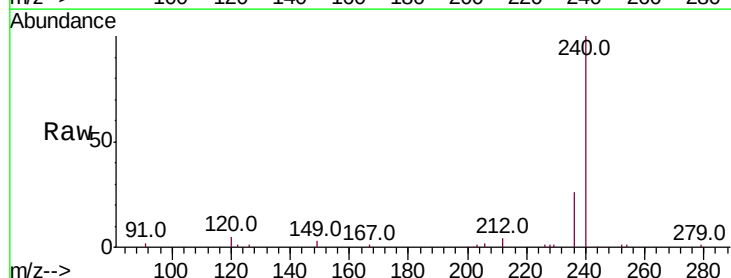
Tgt Ion:240 Resp: 25775

Ion Ratio Lower Upper

240 100

120 5.1 7.9 11.9#

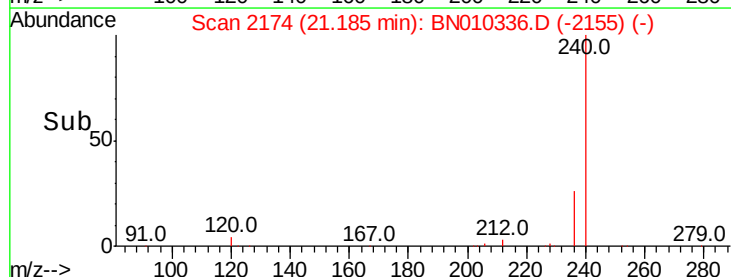
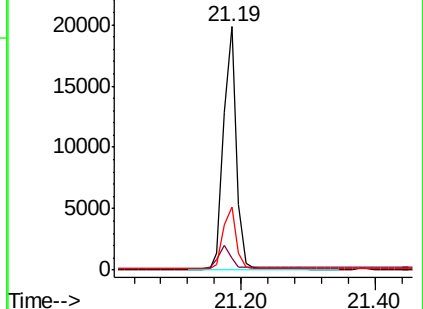
236 26.2 22.2 33.4

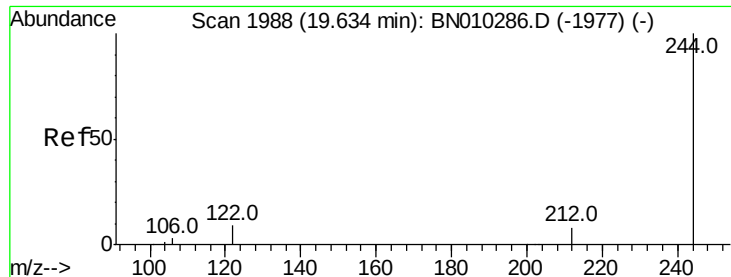


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.560 ng

RT: 19.63 min Scan# 1987

Delta R.T. -0.00 min

Lab File: BN010336.D

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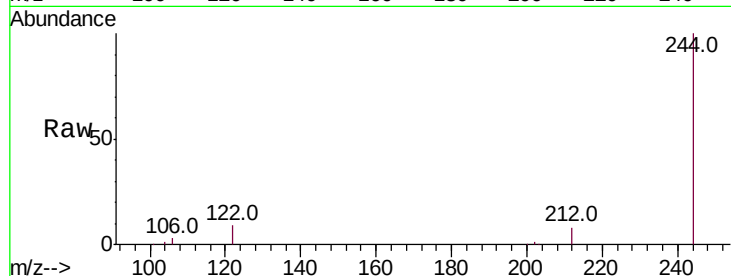
Tot Ion:244 Resp: 31156

Ion Ratio Lower Upper

244 100

212 8.3 6.3 9.5

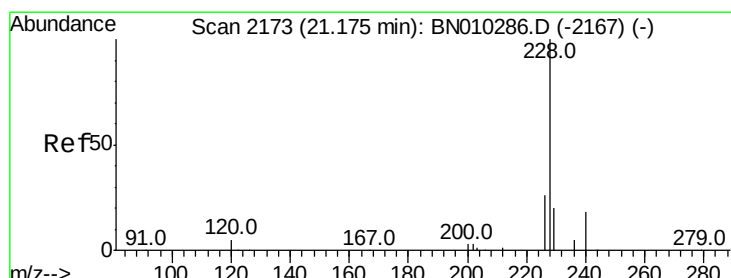
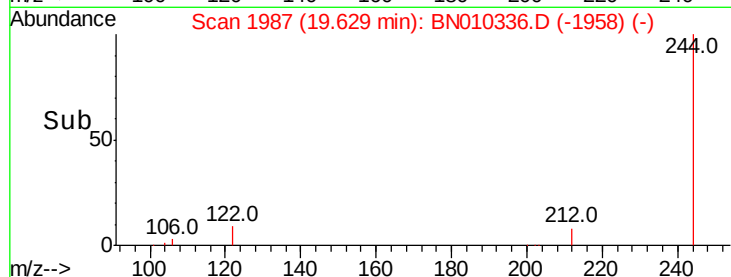
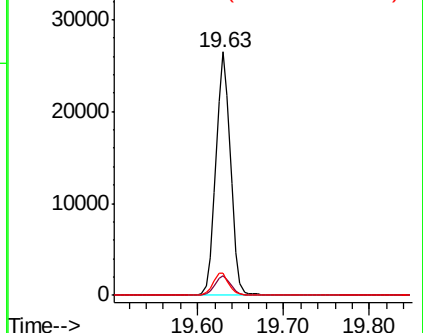
122 8.9 7.6 11.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.021 ng

RT: 21.16 min Scan# 2172

Delta R.T. -0.01 min

Lab File: BN010336.D

Acq: 24 Mar 2020 21:03

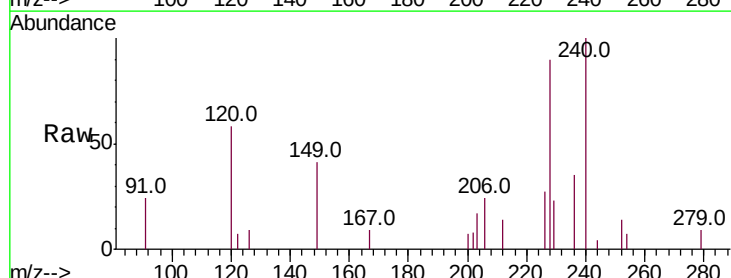
Tgt Ion:228 Resp: 1716

Ion Ratio Lower Upper

228 100

226 29.9 21.0 31.4

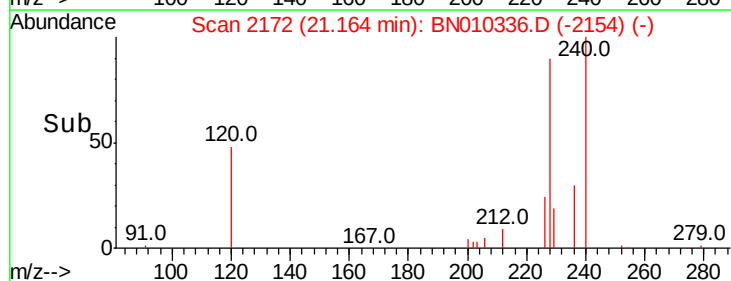
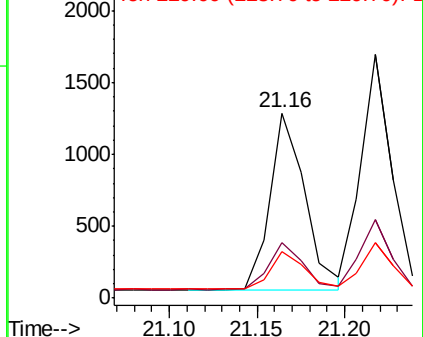
229 24.9 16.0 24.0#

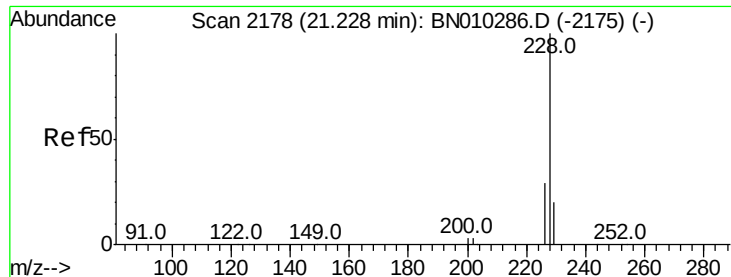


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.023 ng

RT: 21.22 min Scan# 2177

Delta R.T. -0.01 min

Lab File: BN010336.D

Acq: 24 Mar 2020 21:03

Instrument :

BNA_N

ClientSampleId :

EB-20200316

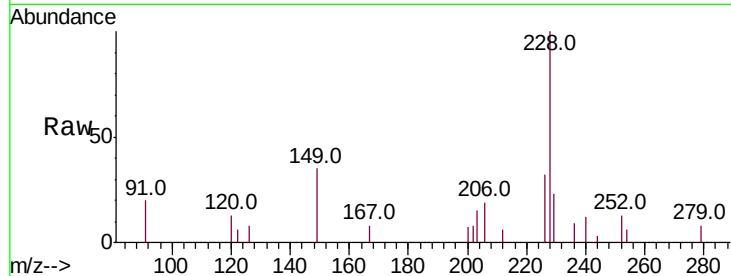
Tot Ion:228 Resp: 1994

Ion Ratio Lower Upper

228 100

226 32.5 23.0 34.6

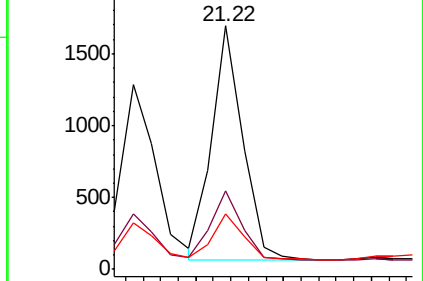
229 22.7 16.0 24.0



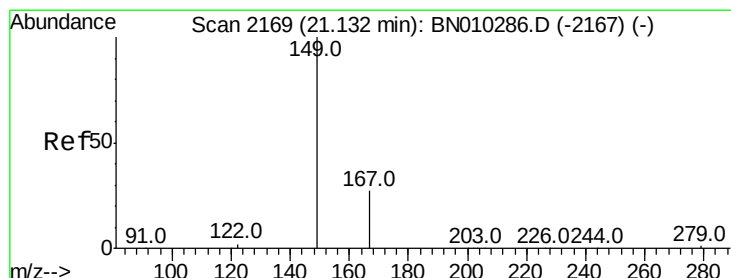
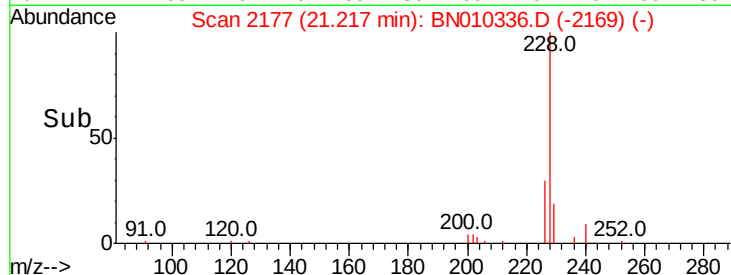
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.167 ng

RT: 21.13 min Scan# 2169

Delta R.T. 0.00 min

Lab File: BN010336.D

Acq: 24 Mar 2020 21:03

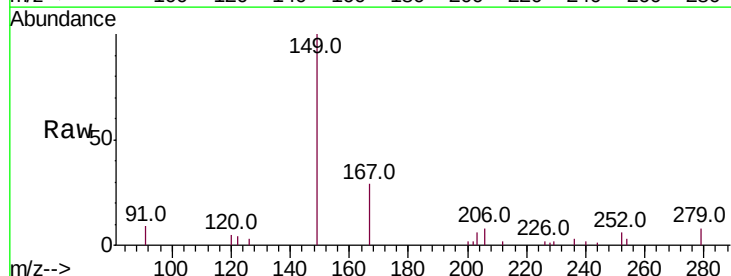
Tgt Ion:149 Resp: 4635

Ion Ratio Lower Upper

149 100

167 27.8 23.0 34.6

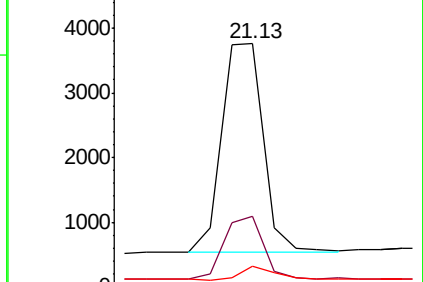
279 5.5 3.8 5.8



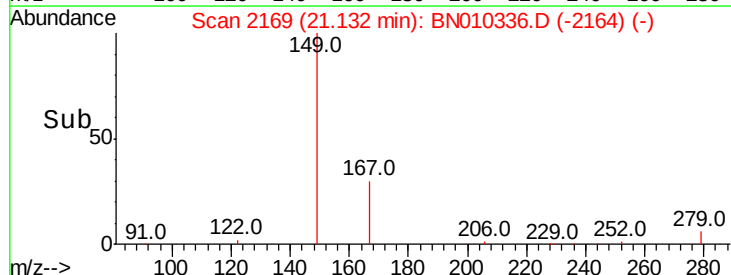
Abundance Ion 149.00 (148.70 to 149.70): E

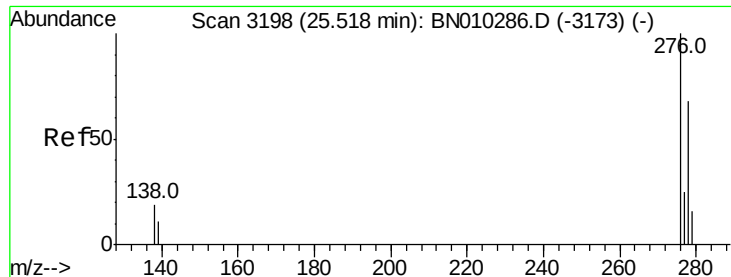
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.023 ng

RT: 25.50 min Scan# 3194

Delta R.T. -0.01 min

Lab File: BN010336.D

Acq: 24 Mar 2020 21:03

Instrument :

BNA_N

ClientSampleId :

EB-20200316

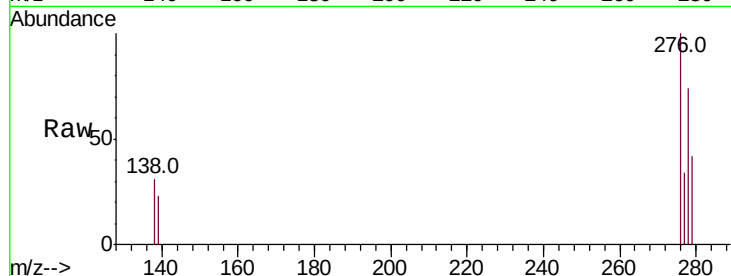
Tot Ion:276 Resp: 2127

Ion Ratio Lower Upper

276 100

138 22.8 15.6 23.4

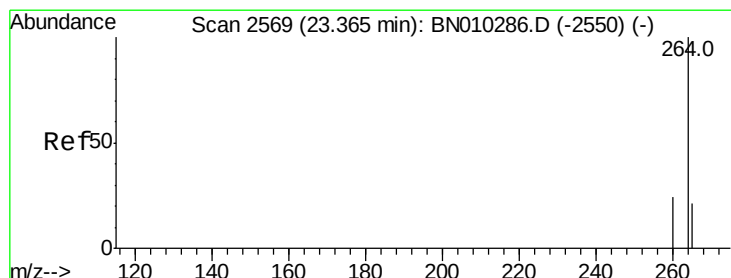
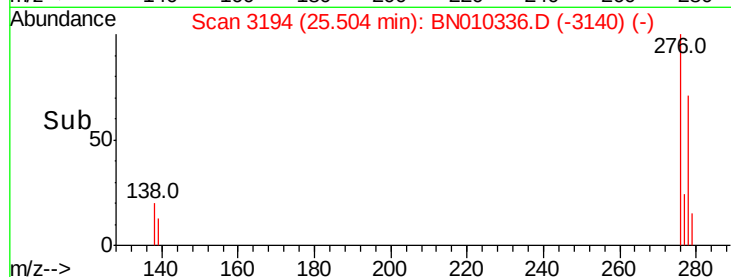
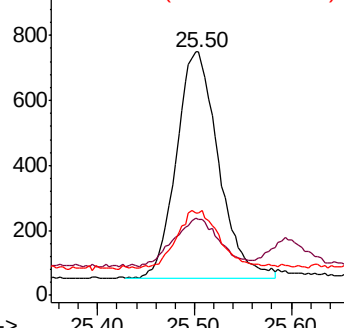
277 26.1 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.35 min Scan# 2566

Delta R.T. -0.01 min

Lab File: BN010336.D

Acq: 24 Mar 2020 21:03

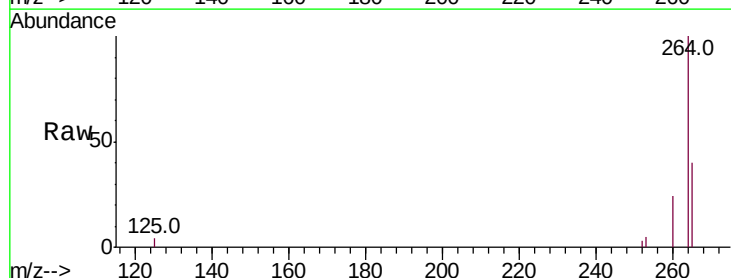
Tgt Ion:264 Resp: 26785

Ion Ratio Lower Upper

264 100

260 24.1 19.5 29.3

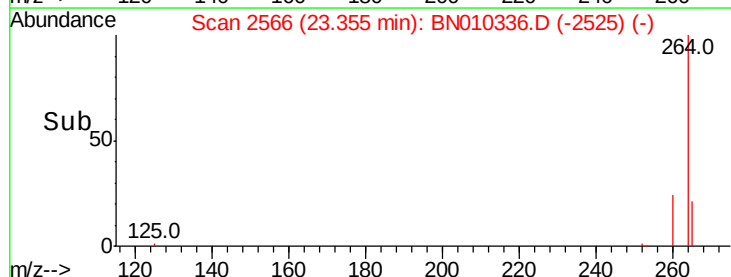
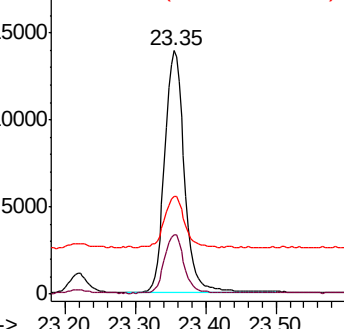
265 40.1 32.4 48.6

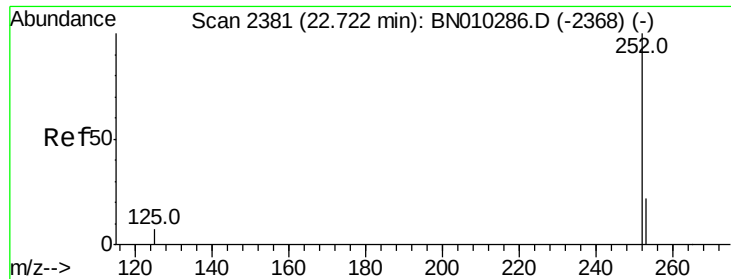


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

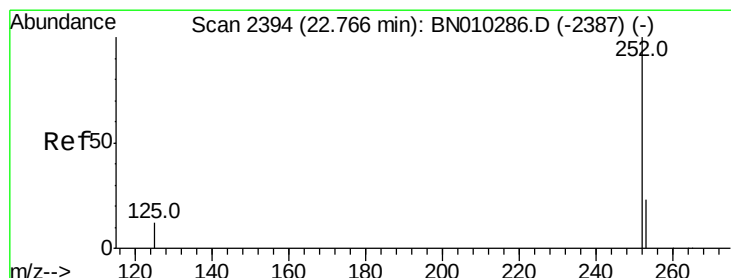
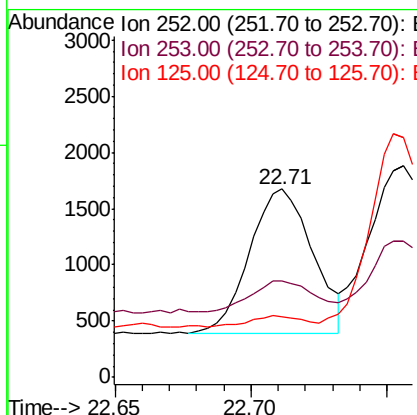
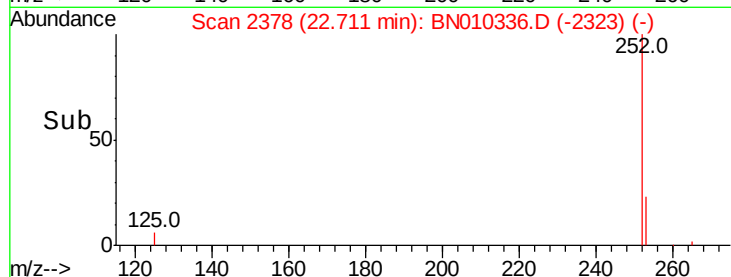
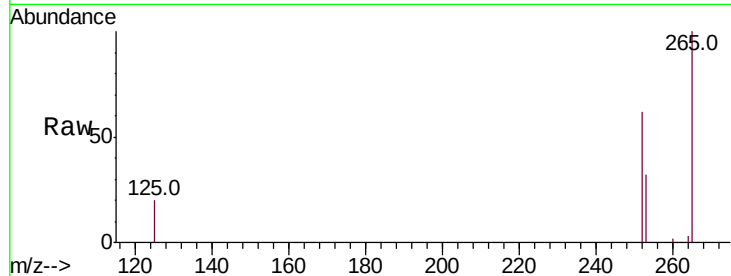




#35
Benzo(b)fluoranthene
Concen: 0.023 ng
RT: 22.71 min Scan# 2378
Delta R.T. -0.01 min
Lab File: BN010336.D
Acq: 24 Mar 2020 21:03

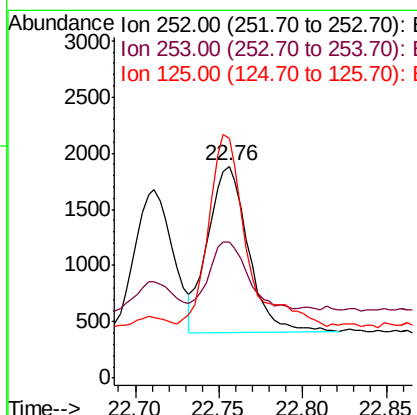
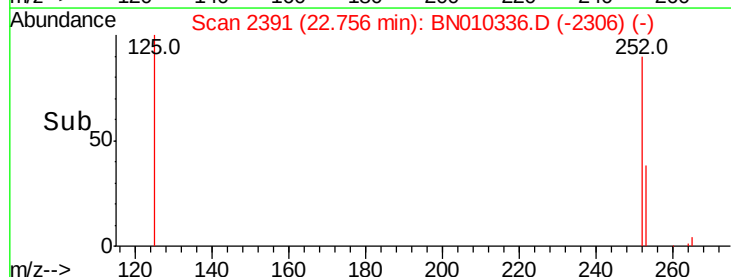
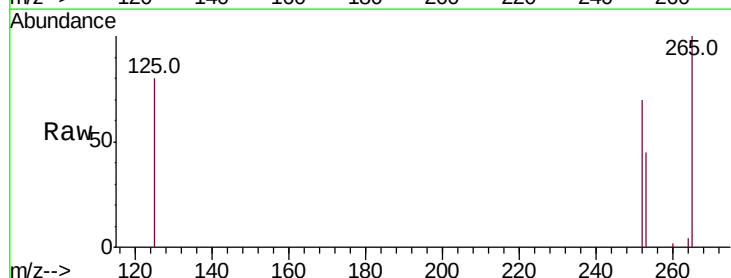
Instrument :
BNA_N
ClientSampleId :
EB-20200316

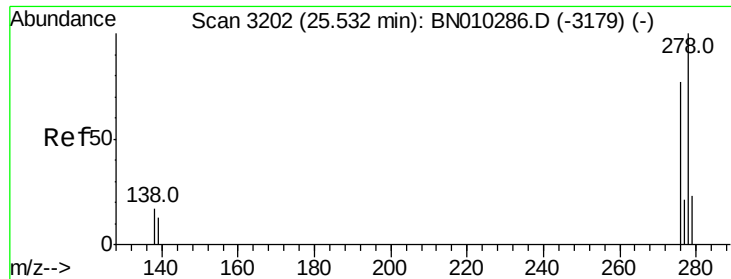
Tot Ion:252 Resp: 2069
Ion Ratio Lower Upper
252 100
253 51.2 19.2 28.8#
125 32.5 7.4 11.0#



#36
Benzo(k)fluoranthene
Concen: 0.027 ng
RT: 22.76 min Scan# 2391
Delta R.T. -0.01 min
Lab File: BN010336.D
Acq: 24 Mar 2020 21:03

Tgt Ion:252 Resp: 2462
Ion Ratio Lower Upper
252 100
253 64.1 19.4 29.0#
125 113.1 10.2 15.2#





#38

Dibenzo(a,h)anthracene

Concen: 0.022 ng

RT: 25.52 min Scan# 3198

Delta R.T. -0.01 min

Lab File: BN010336.D

Acq: 24 Mar 2020 21:03

Instrument :

BNA_N

ClientSampleId :

EB-20200316

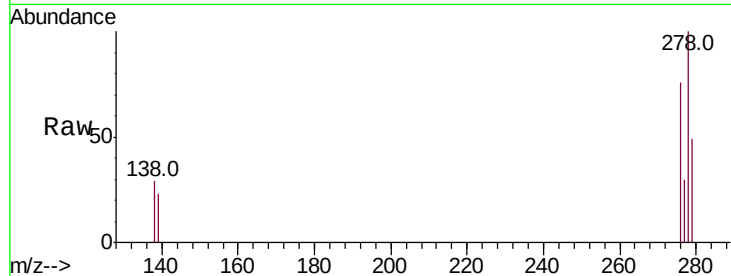
Tot Ion:278 Resp: 1859

Ion Ratio Lower Upper

278 100

139 22.7 10.6 16.0#

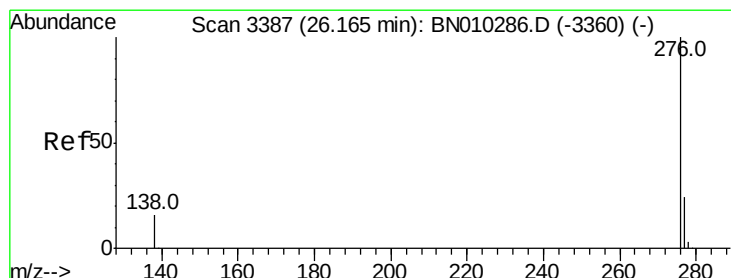
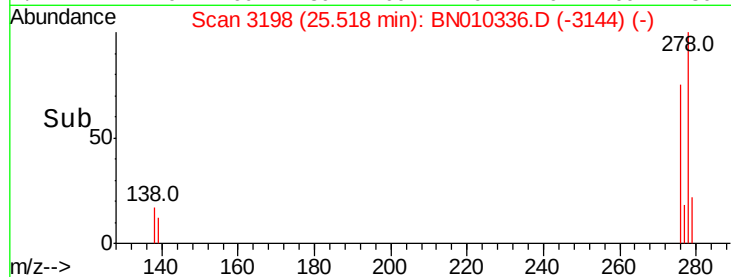
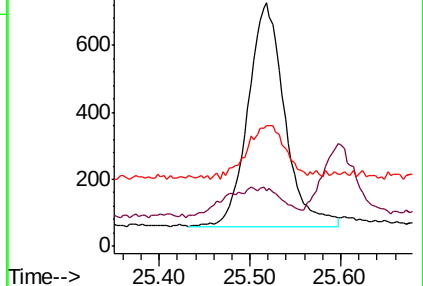
279 49.4 19.8 29.6#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#39

Benzo(g,h,i)perylene

Concen: 0.025 ng

RT: 26.15 min Scan# 3383

Delta R.T. -0.01 min

Lab File: BN010336.D

Acq: 24 Mar 2020 21:03

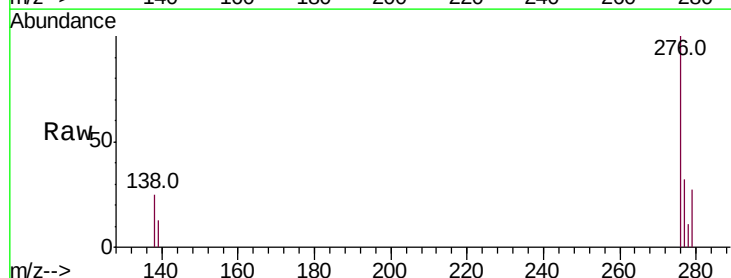
Tgt Ion:276 Resp: 2125

Ion Ratio Lower Upper

276 100

277 32.0 19.6 29.4#

138 24.6 13.3 19.9#



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

