

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032420\
 Data File : BN010335.D
 Acq On : 24 Mar 2020 20:27
 Operator : CG/JU
 Sample : L1997-10
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE109D3-20200316

Quant Time: Mar 25 01:48:23 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	5011	0.40	ng	0.00
7) Naphthalene-d8	10.38	136	17480	0.40	ng	0.00
13) Acenaphthene-d10	14.24	164	10267	0.40	ng	-0.01
19) Phenanthrene-d10	16.99	188	24293	0.40	ng	0.00
27) Chrysene-d12	21.19	240	25444	0.40	ng	0.00
34) Perylene-d12	23.36	264	27715	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.25	112	1467	0.15	ng	0.00
5) Phenol-d6	6.80	99	1115	0.09	ng	0.00
8) Nitrobenzene-d5	8.74	82	6077	0.54	ng	0.00
11) 2-Methylnaphthalene-d10	11.97	152	8081	0.29	ng	0.00
14) 2,4,6-Tribromophenol	15.73	330	1101	0.28	ng	0.00
15) 2-Fluorobiphenyl	12.85	172	24441	0.62	ng	-0.01
25) Fluoranthene-d10	19.02	212	22181	0.30	ng	0.00
29) Terphenyl-d14	19.63	244	30614	0.56	ng	0.00

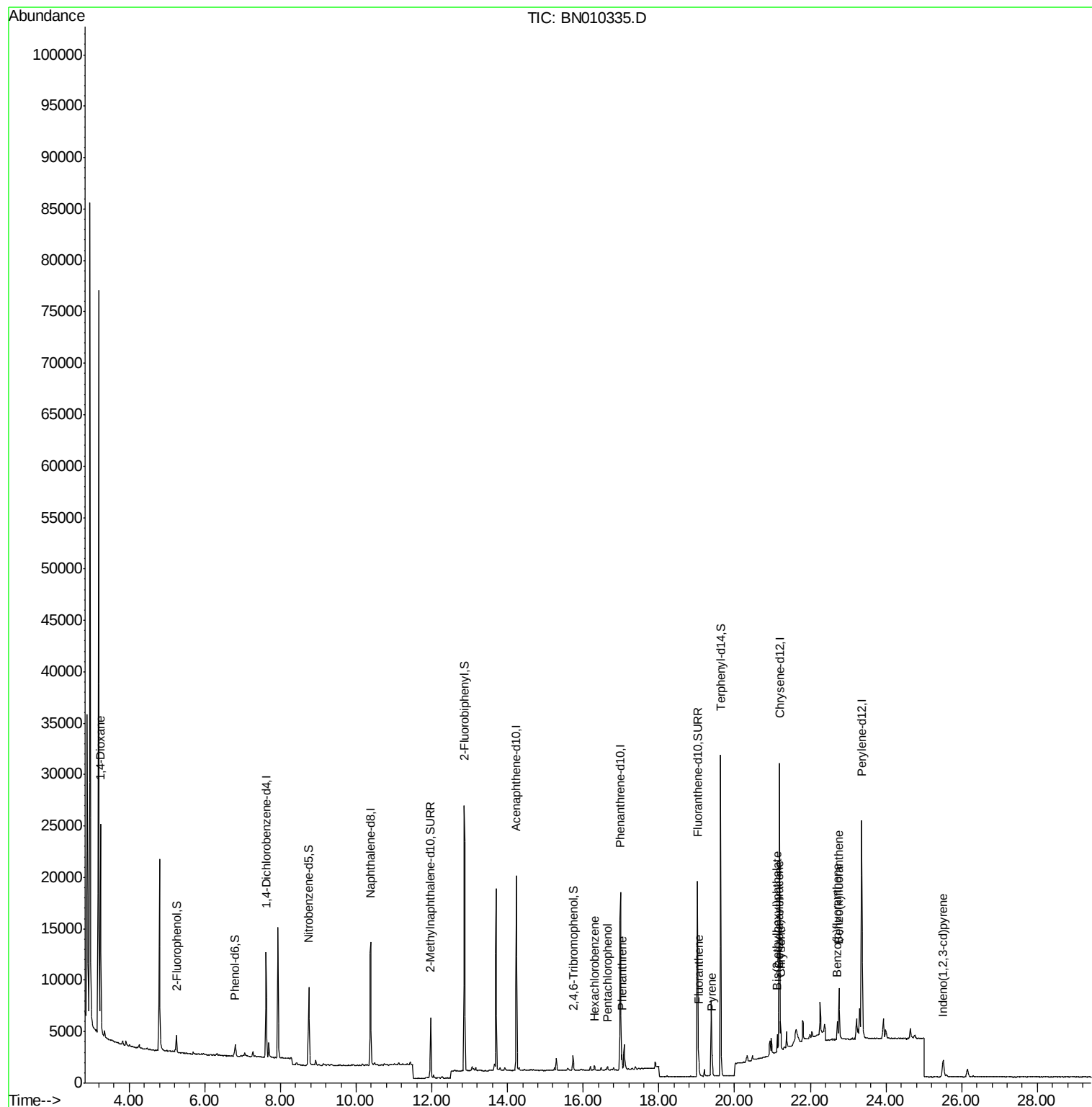
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.25	88	13371	2.841	ng	98
21) Hexachlorobenzene	16.31	284	312	0.021	ng	96
22) Pentachlorophenol	16.65	266	200	0.039	ng	87
23) Phenanthrene	17.02	178	1667	0.025	ng	# 94
26) Fluoranthene	19.05	202	1892	0.023	ng	99
28) Pyrene	19.41	202	1665	0.021	ng	96
30) Benzo(a)anthracene	21.16	228	1820	0.022	ng	# 91
31) Chrysene	21.22	228	2107	0.024	ng	94
32) Bis(2-ethylhexyl)phthalate	21.13	149	1660	0.061	ng	99
33) Indeno(1,2,3-cd)pyrene	25.50	276	2032	0.022	ng	96
35) Benzo(b)fluoranthene	22.71	252	2153	0.023	ng	# 44
36) Benzo(k)fluoranthene	22.76	252	2475	0.026	ng	# 1

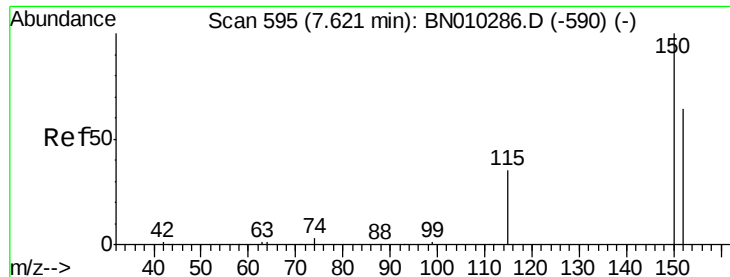
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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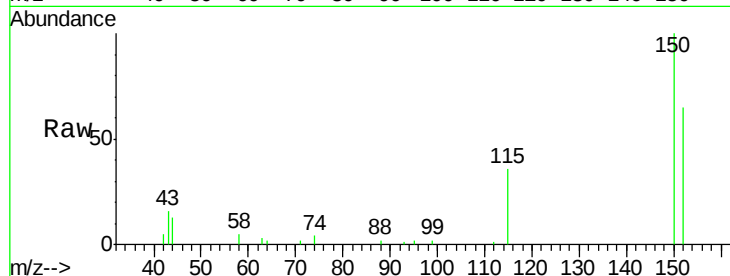


#1

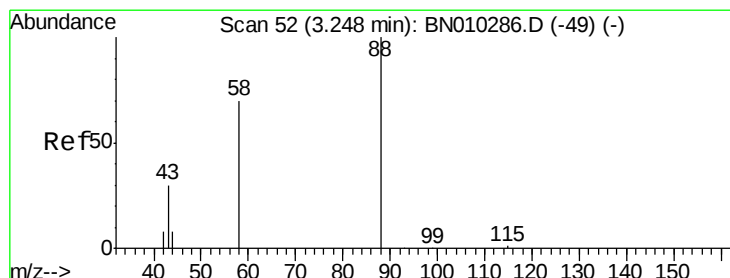
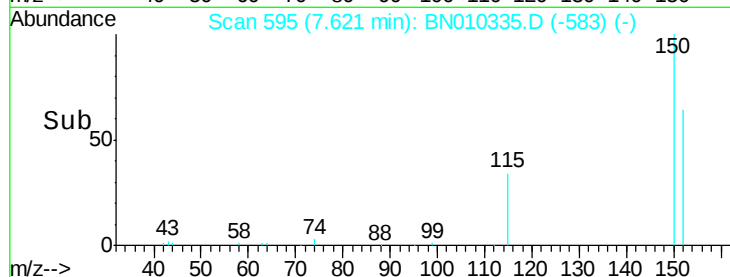
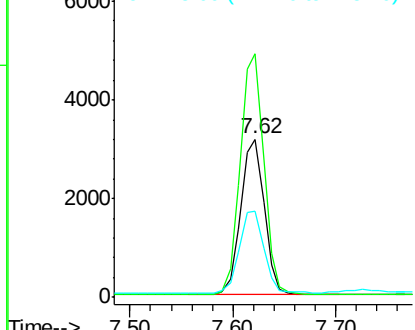
1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.62 min Scan# 595
 Delta R.T. 0.00 min
 Lab File: BN010335.D
 Acq: 24 Mar 2020 20:27

Instrument :
 BNA_N
 ClientSampleId :
 RE109D3-20200316

Tot Ion:152 Resp: 5011
 Ion Ratio Lower Upper
 152 100
 150 154.1 123.1 184.7
 115 54.8 45.2 67.8



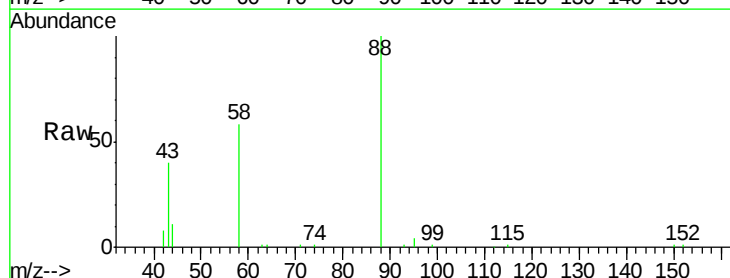
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



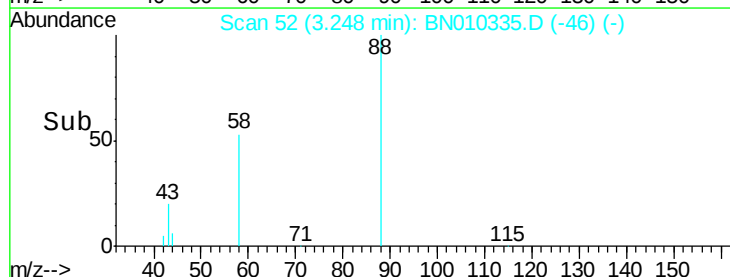
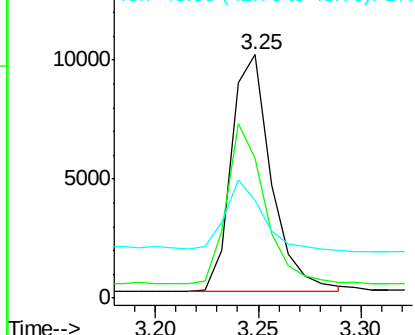
#2

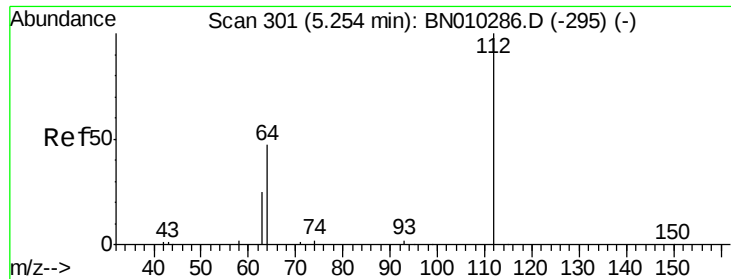
1,4-Dioxane
 Concen: 2.841 ng
 RT: 3.25 min Scan# 52
 Delta R.T. 0.00 min
 Lab File: BN010335.D
 Acq: 24 Mar 2020 20:27

Tgt Ion: 88 Resp: 13371
 Ion Ratio Lower Upper
 88 100
 58 63.3 51.7 77.5
 43 28.0 21.2 31.8



Abundance Ion 88.00 (87.70 to 88.70): BN0
 Ion 58.00 (57.70 to 58.70): BN0
 Ion 43.00 (42.70 to 43.70): BN0





#4

2-Fluorophenol

Concen: 0.148 ng

RT: 5.25 min Scan# 301

Delta R.T. 0.00 min

Lab File: BN010335.D

Acq: 24 Mar 2020 20:27

Instrument :

BNA_N

ClientSampleId :

RE109D3-20200316

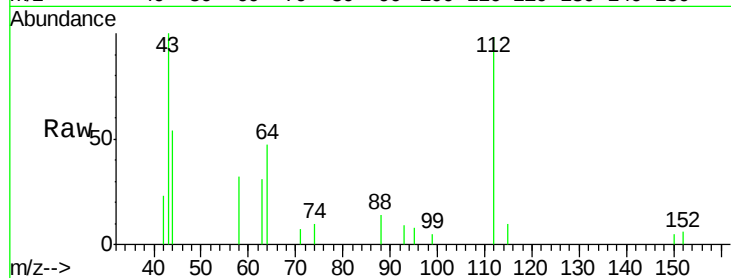
Tot Ion: 112 Resp: 1467

Ion Ratio Lower Upper

112 100

64 49.2 41.4 62.2

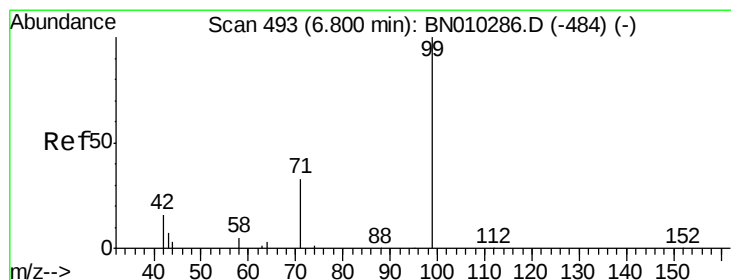
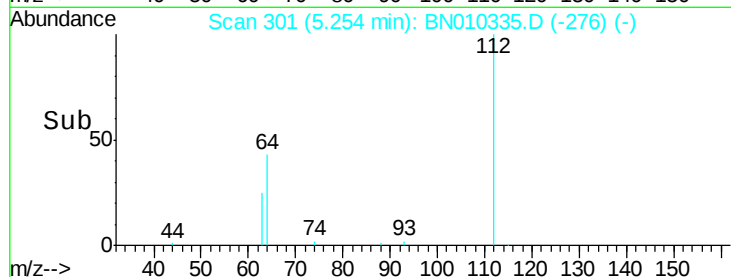
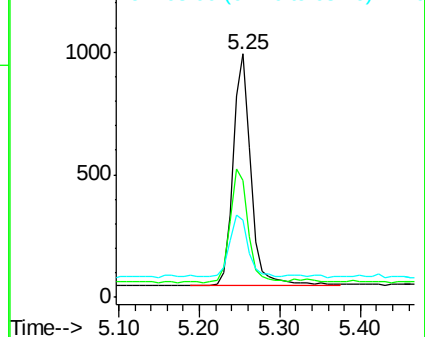
63 27.5 22.9 34.3



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BNO

Ion 63.00 (62.70 to 63.70): BNO



#5

Phenol-d6

Concen: 0.090 ng

RT: 6.80 min Scan# 493

Delta R.T. 0.00 min

Lab File: BN010335.D

Acq: 24 Mar 2020 20:27

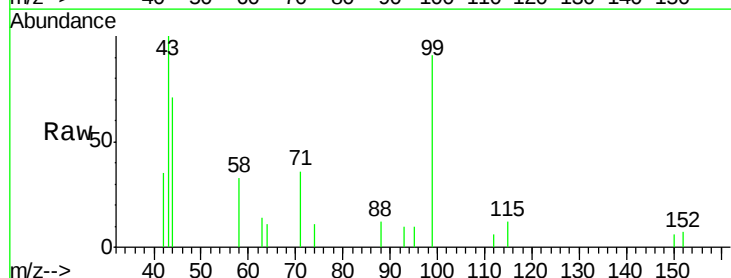
Tgt Ion: 99 Resp: 1115

Ion Ratio Lower Upper

99 100

42 29.5 14.8 22.2#

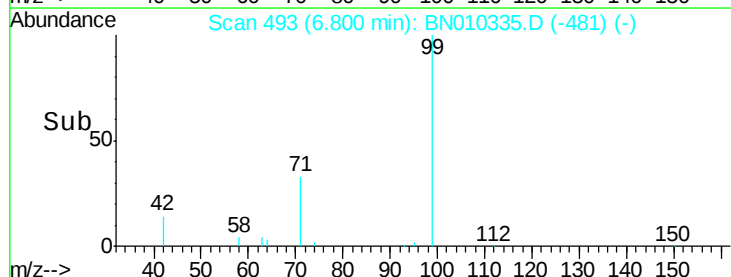
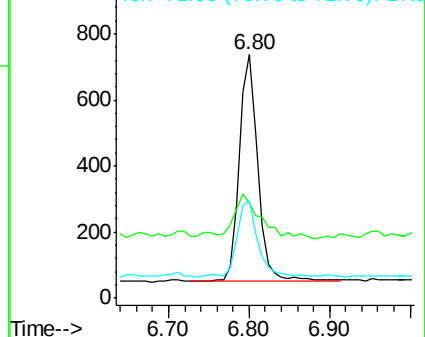
71 37.6 27.3 40.9

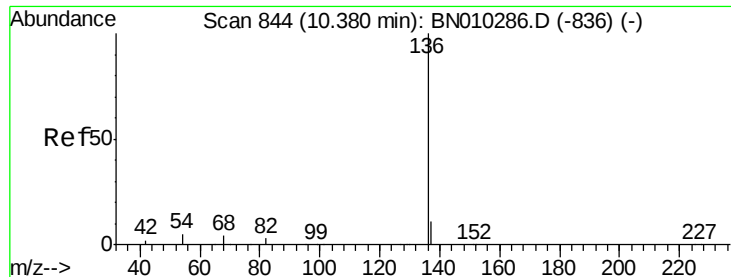


Abundance Ion 99.00 (98.70 to 99.70): BNO

Ion 42.00 (41.70 to 42.70): BNO

Ion 71.00 (70.70 to 71.70): BNO





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.38 min Scan# 844

Delta R.T. 0.00 min

Lab File: BN010335.D

Acq: 24 Mar 2020 20:27

Instrument :

BNA_N

ClientSampleId :

RE109D3-20200316

Tot Ion:136 Resp: 17480

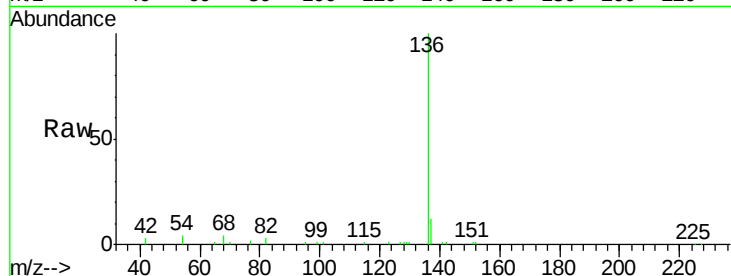
Ion Ratio Lower Upper

136 100

137 11.5 9.3 13.9

54 4.2 4.8 7.2#

68 4.1 4.1 6.1#

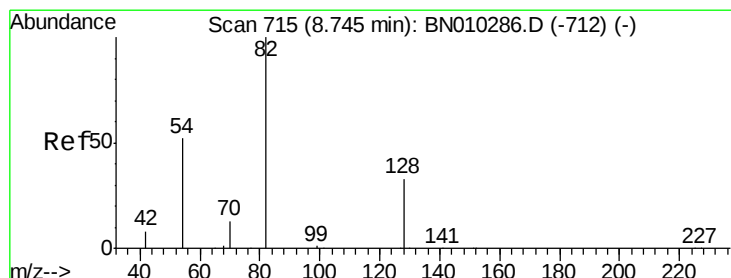
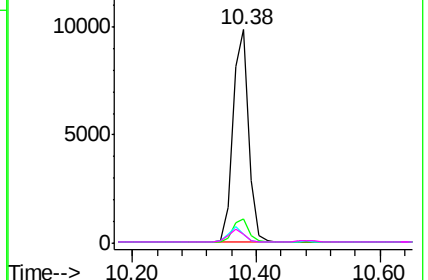
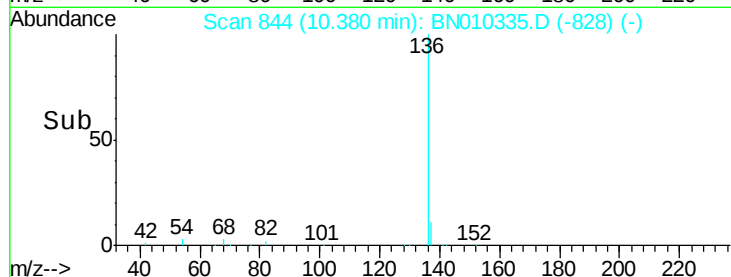


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#8

Nitrobenzene-d5

Concen: 0.542 ng

RT: 8.74 min Scan# 715

Delta R.T. 0.00 min

Lab File: BN010335.D

Acq: 24 Mar 2020 20:27

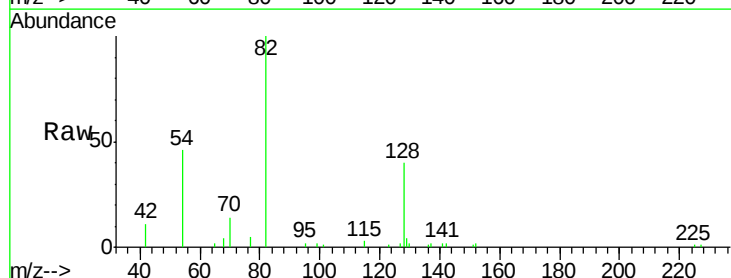
Tgt Ion: 82 Resp: 6077

Ion Ratio Lower Upper

82 100

128 40.0 28.8 43.2

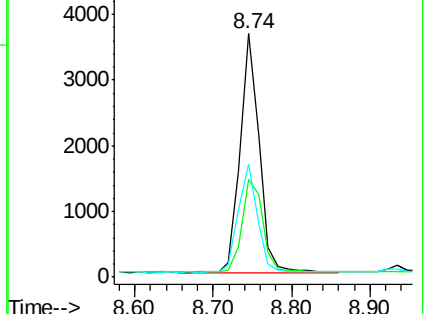
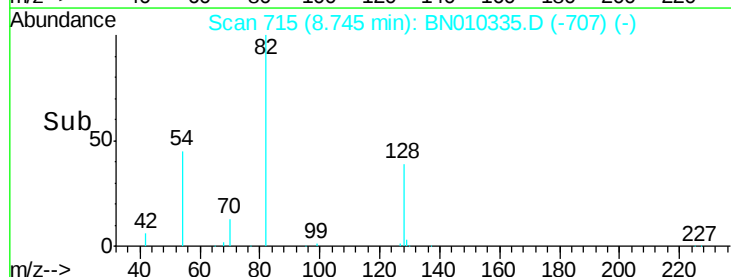
54 46.5 42.1 63.1

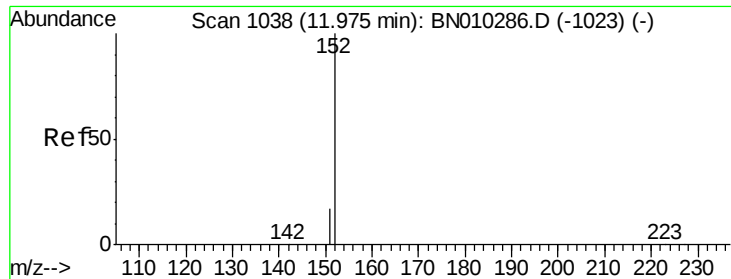


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC

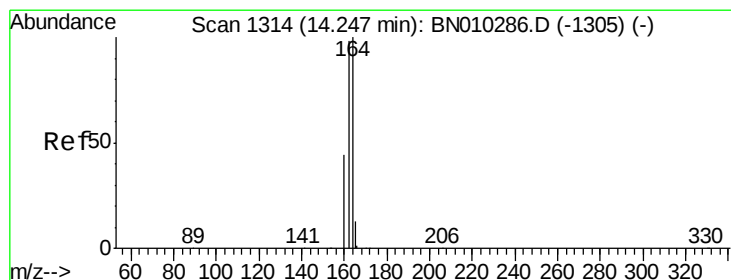
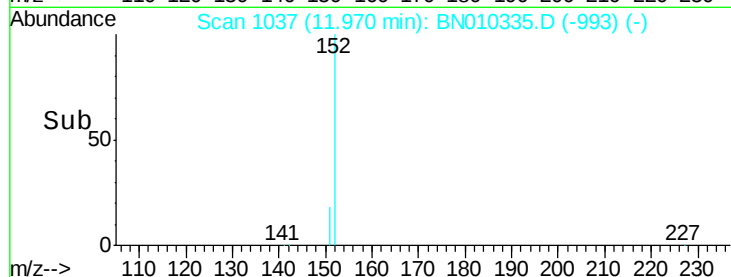
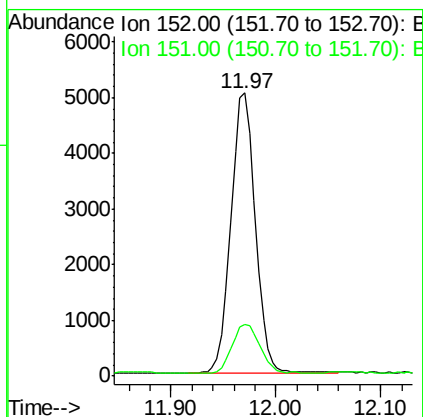
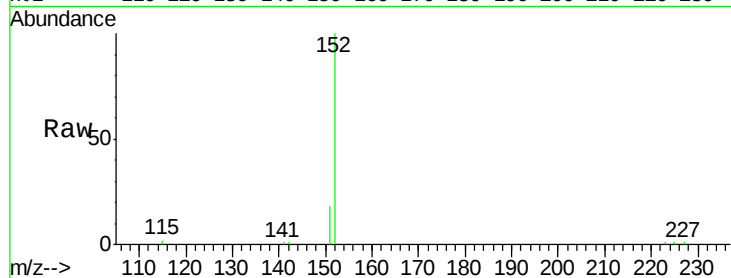




#11
2-Methylnaphthalene-d10
Concen: 0.290 ng
RT: 11.97 min Scan# 1037
Delta R.T. -0.00 min
Lab File: BN010335.D
Acq: 24 Mar 2020 20:27

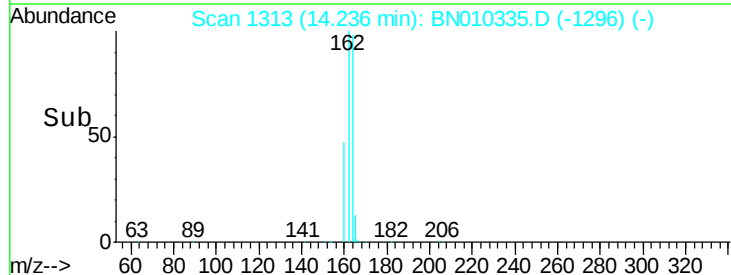
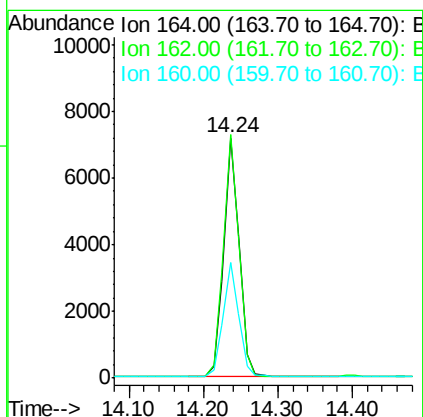
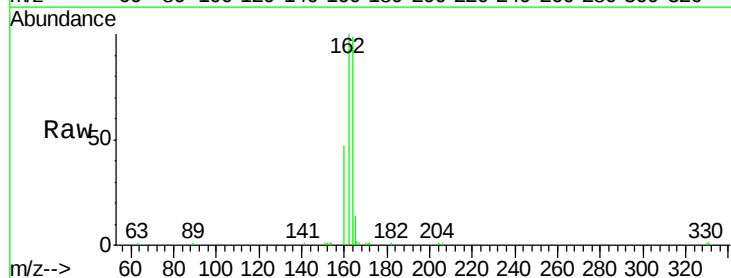
Instrument :
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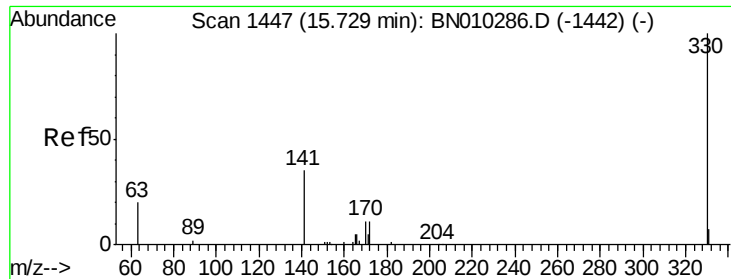
Tot Ion:152 Resp: 8081
Ion Ratio Lower Upper
152 100
151 19.4 15.4 23.2



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.24 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BN010335.D
Acq: 24 Mar 2020 20:27

Tgt Ion:164 Resp: 10267
Ion Ratio Lower Upper
164 100
162 101.4 78.2 117.2
160 48.0 35.8 53.6

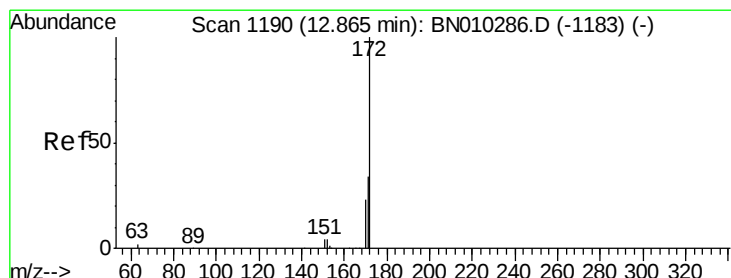
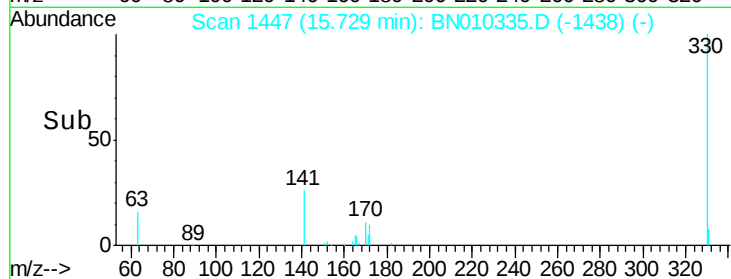
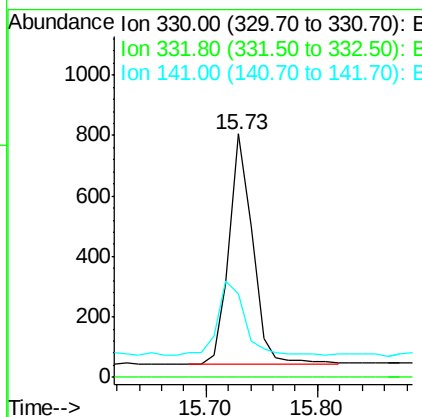
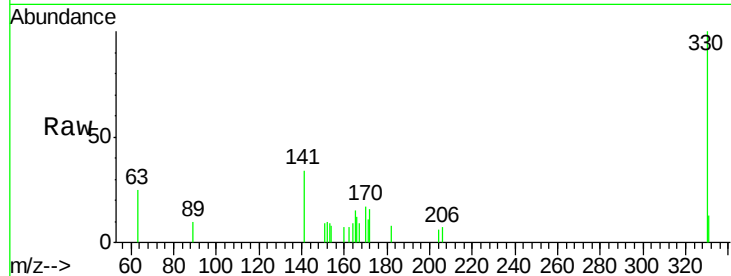




#14
2,4,6-Tribromophenol
Concen: 0.279 ng
RT: 15.73 min Scan# 1447
Delta R.T. 0.00 min
Lab File: BN010335.D
Acq: 24 Mar 2020 20:27

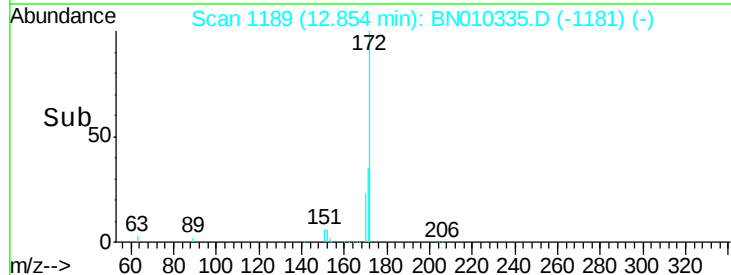
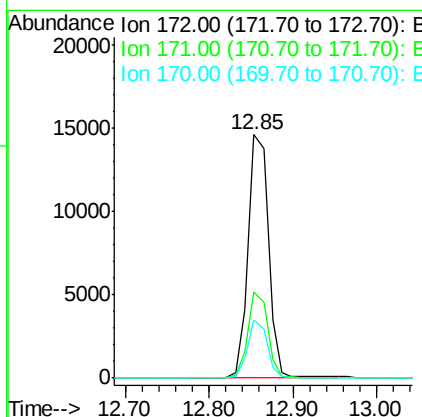
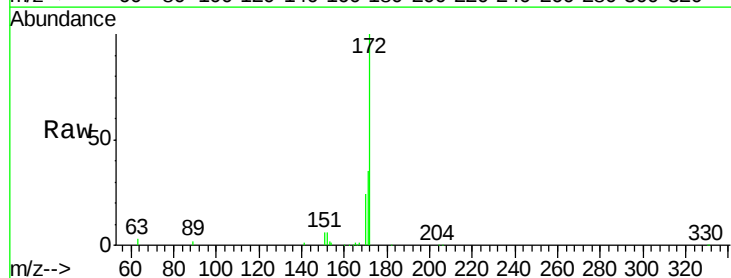
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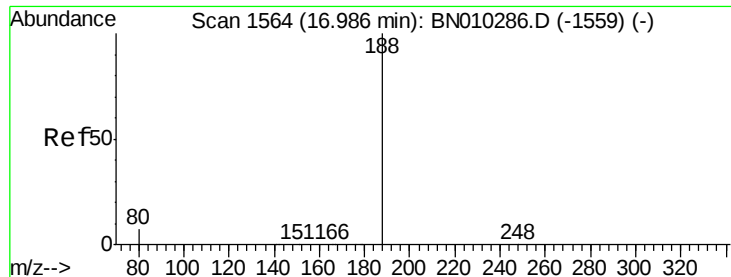
Tot Ion:330 Resp: 1101
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 36.8 29.3 43.9



#15
2-Fluorobiphenyl
Concen: 0.622 ng
RT: 12.85 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BN010335.D
Acq: 24 Mar 2020 20:27

Tgt Ion:172 Resp: 24441
Ion Ratio Lower Upper
172 100
171 35.3 27.6 41.4
170 23.7 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: BN010335.D

Acq: 24 Mar 2020 20:27

Instrument :

BNA_N

ClientSampleId :

RE109D3-20200316

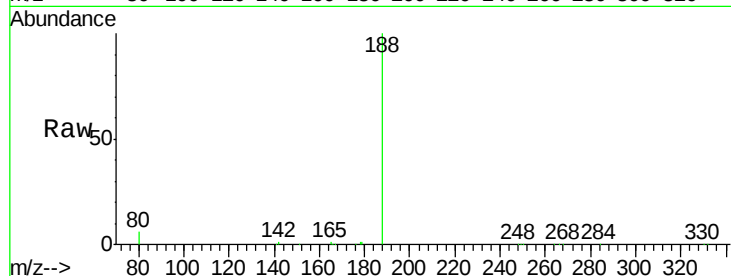
Tot Ion:188 Resp: 24293

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 5.9 6.0 9.0#



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

16.99

15000

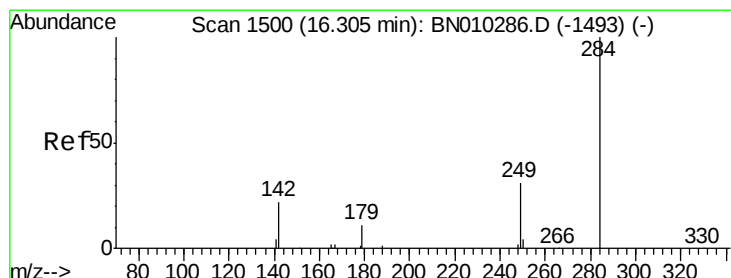
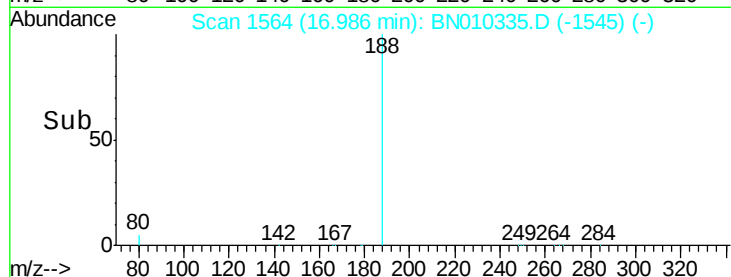
10000

5000

0

16.90 16.95 17.00 17.05

Time-->



#21

Hexachlorobenzene

Concen: 0.021 ng

RT: 16.31 min Scan# 1500

Delta R.T. 0.00 min

Lab File: BN010335.D

Acq: 24 Mar 2020 20:27

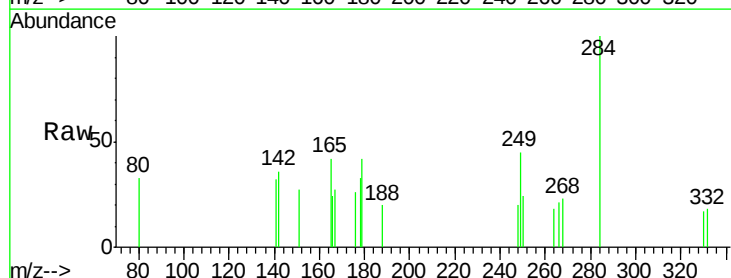
Tgt Ion:284 Resp: 312

Ion Ratio Lower Upper

284 100

142 37.5 27.4 41.2

249 34.3 26.5 39.7



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

16.31

300

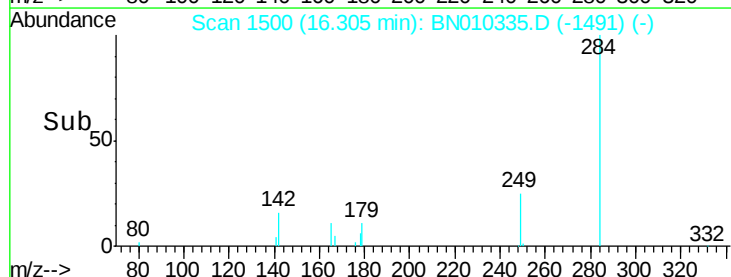
200

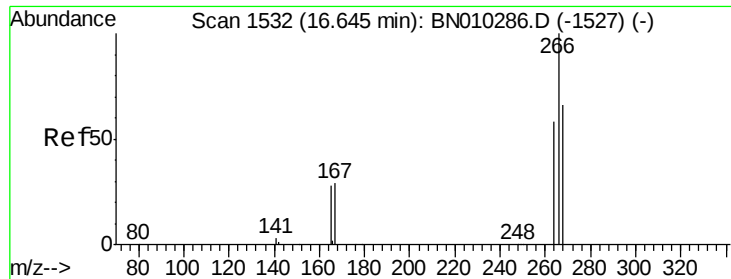
100

0

16.20 16.25 16.30 16.35

Time-->





#22

Pentachlorophenol

Concen: 0.039 ng

RT: 16.65 min Scan# 1532

Delta R.T. 0.00 min

Lab File: BN010335.D

Acq: 24 Mar 2020 20:27

Instrument :

BNA_N

ClientSampleId :

RE109D3-20200316

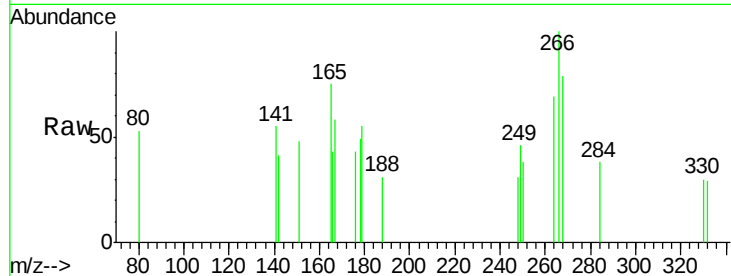
Tot Ion:266 Resp: 200

Ion Ratio Lower Upper

266 100

264 69.2 47.7 71.5

268 79.2 54.9 82.3



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

16.65

150

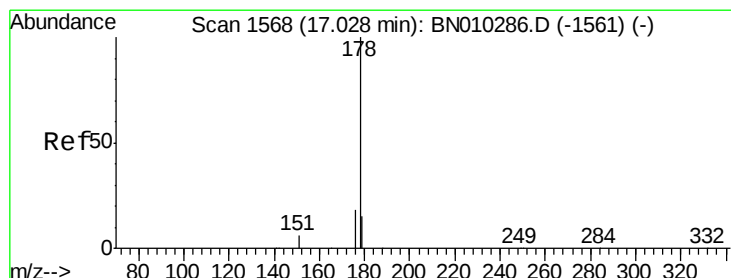
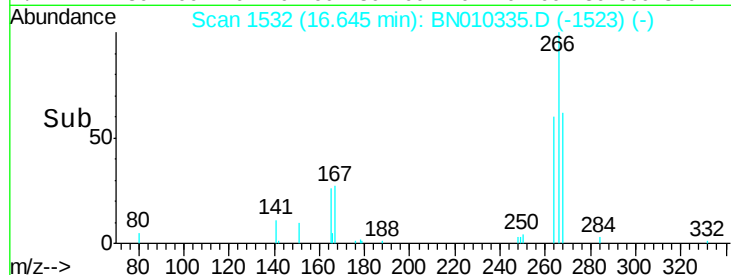
100

50

0

16.50 16.60 16.70

Time-->



#23

Phenanthrene

Concen: 0.025 ng

RT: 17.02 min Scan# 1567

Delta R.T. -0.01 min

Lab File: BN010335.D

Acq: 24 Mar 2020 20:27

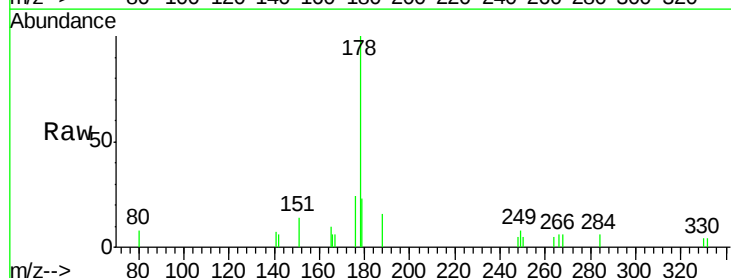
Tgt Ion:178 Resp: 1667

Ion Ratio Lower Upper

178 100

176 18.2 15.0 22.4

179 20.6 12.4 18.6#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

17.02

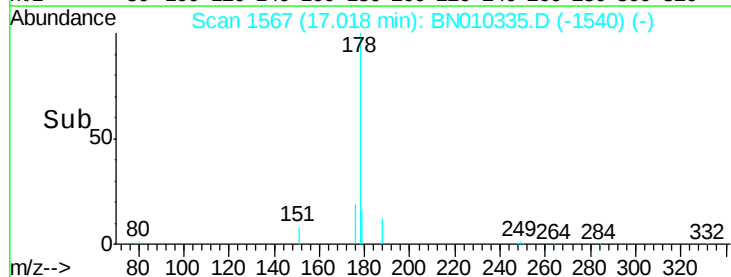
1000

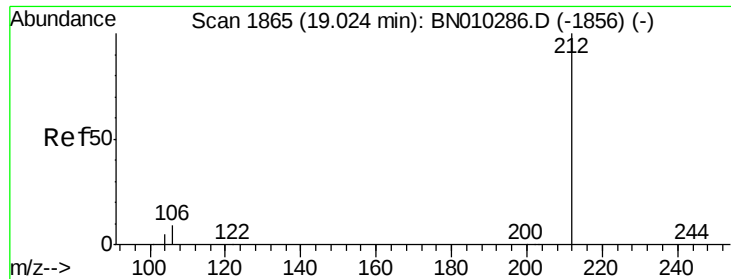
500

0

16.80 16.90 17.00 17.10

Time-->





#25

Fluoranthene-d10

Concen: 0.303 ng

RT: 19.02 min Scan# 1864

Delta R.T. -0.00 min

Lab File: BN010335.D

Acq: 24 Mar 2020 20:27

Instrument :

BNA_N

ClientSampleId :

RE109D3-20200316

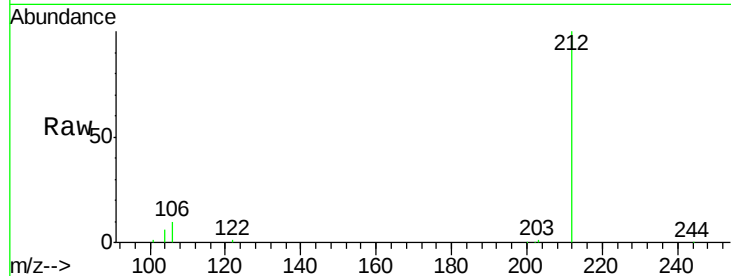
Tot Ion:212 Resp: 22181

Ion Ratio Lower Upper

212 100

106 9.7 7.4 11.2

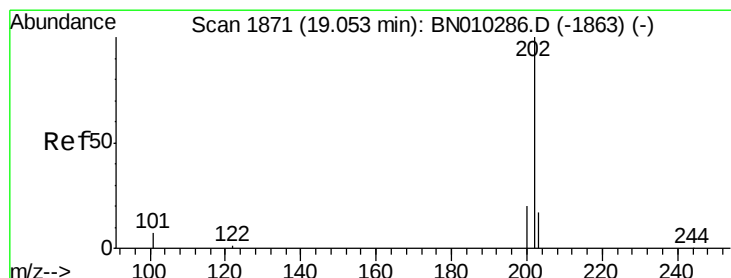
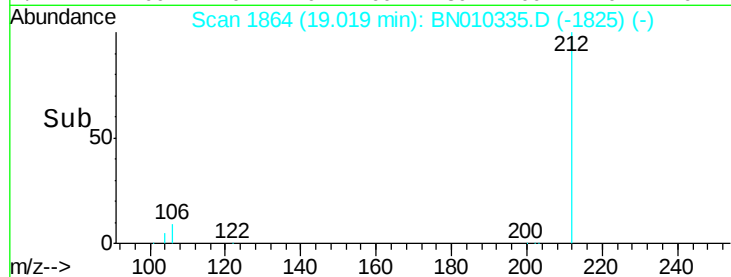
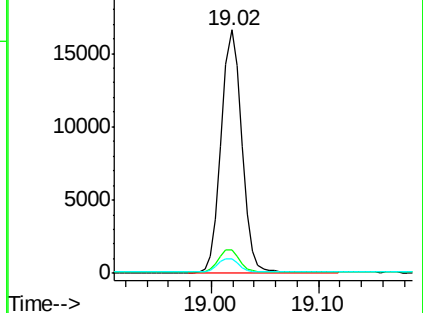
104 5.4 4.2 6.4



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



#26

Fluoranthene

Concen: 0.023 ng

RT: 19.05 min Scan# 1870

Delta R.T. -0.00 min

Lab File: BN010335.D

Acq: 24 Mar 2020 20:27

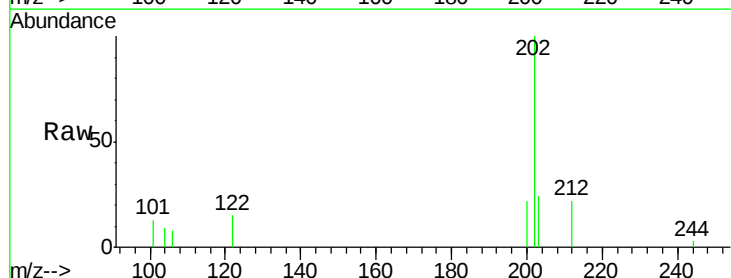
Tgt Ion:202 Resp: 1892

Ion Ratio Lower Upper

202 100

101 7.6 6.6 9.8

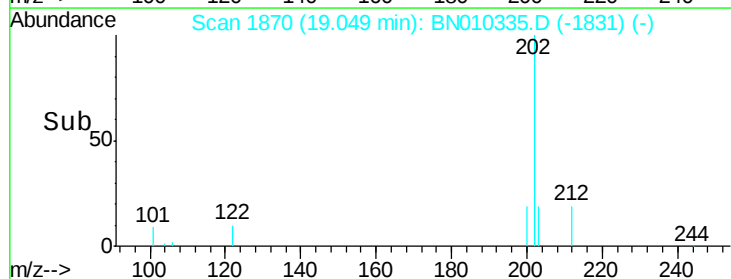
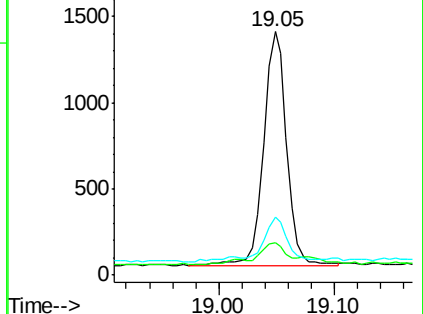
203 17.4 13.8 20.8

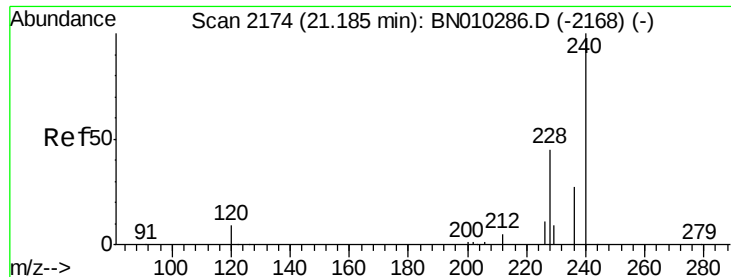


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

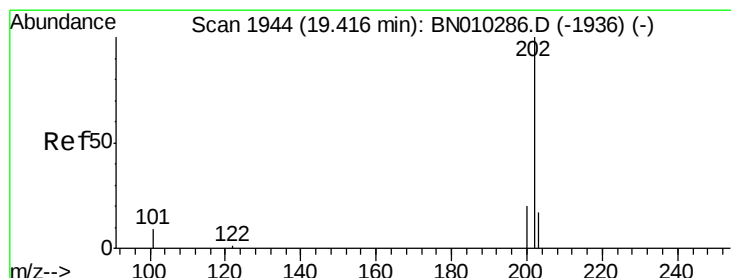
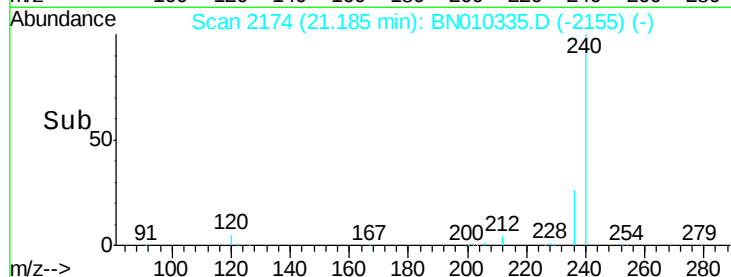
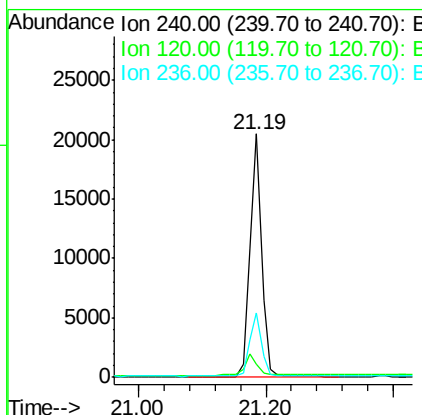
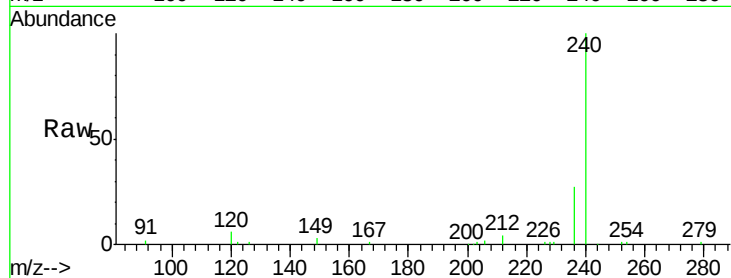




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.19 min Scan# 2174
Delta R.T. 0.00 min
Lab File: BN010335.D
Acq: 24 Mar 2020 20:27

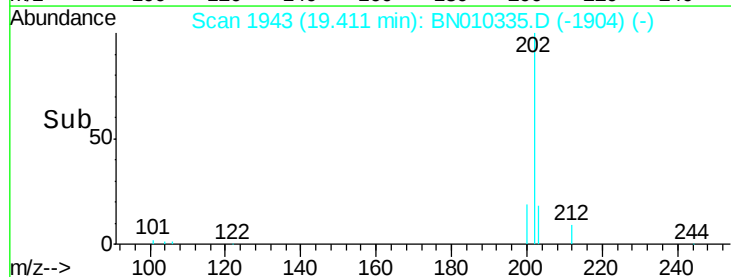
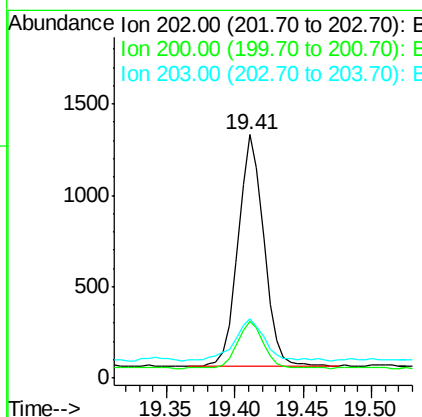
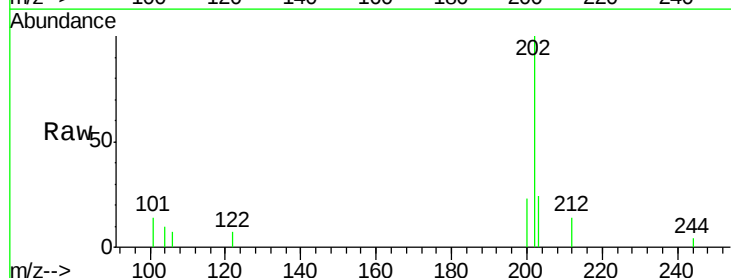
Instrument :
BNA_N
ClientSampleId :
RE109D3-20200316

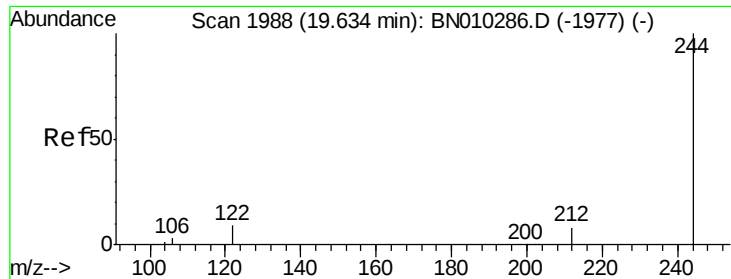
Tot Ion:240 Resp: 25444
Ion Ratio Lower Upper
240 100
120 5.6 7.9 11.9#
236 26.6 22.2 33.4



#28
Pyrene
Concen: 0.021 ng
RT: 19.41 min Scan# 1943
Delta R.T. -0.00 min
Lab File: BN010335.D
Acq: 24 Mar 2020 20:27

Tgt Ion:202 Resp: 1665
Ion Ratio Lower Upper
202 100
200 21.3 16.2 24.4
203 20.2 14.2 21.2





#29

Terphenyl-d14

Concen: 0.557 ng

RT: 19.63 min Scan# 1987

Delta R.T. -0.00 min

Lab File: BN010335.D

Acq: 24 Mar 2020 20:27

Instrument :

BNA_N

ClientSampleId :

RE109D3-20200316

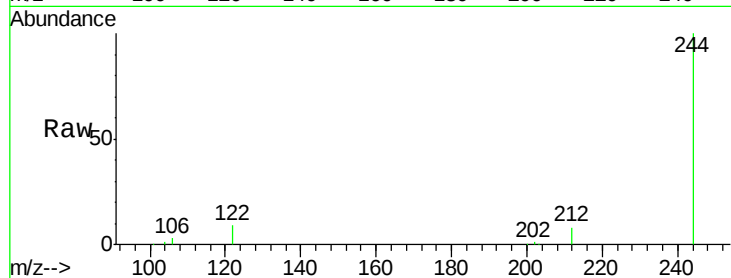
Tot Ion:244 Resp: 30614

Ion Ratio Lower Upper

244 100

212 8.3 6.3 9.5

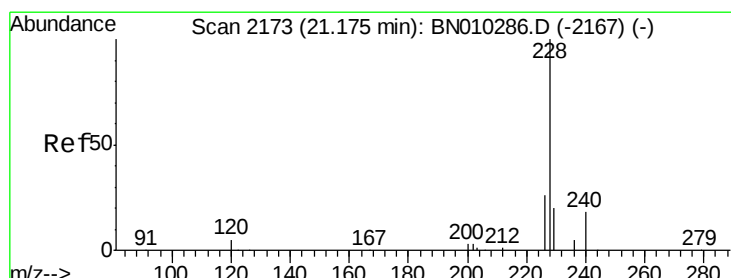
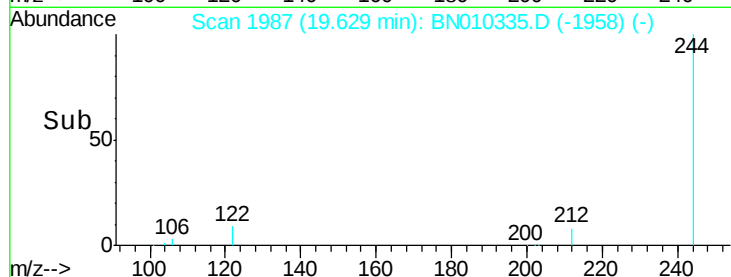
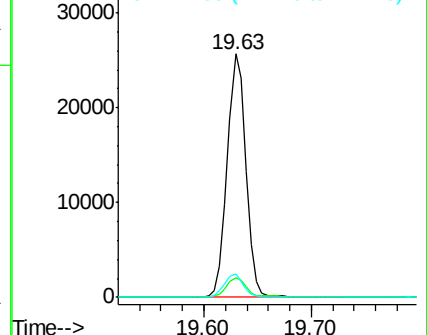
122 9.4 7.6 11.4



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: 0.022 ng

RT: 21.16 min Scan# 2172

Delta R.T. -0.01 min

Lab File: BN010335.D

Acq: 24 Mar 2020 20:27

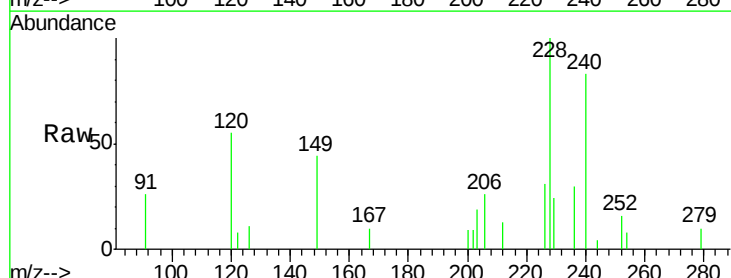
Tgt Ion:228 Resp: 1820

Ion Ratio Lower Upper

228 100

226 31.2 21.0 31.4

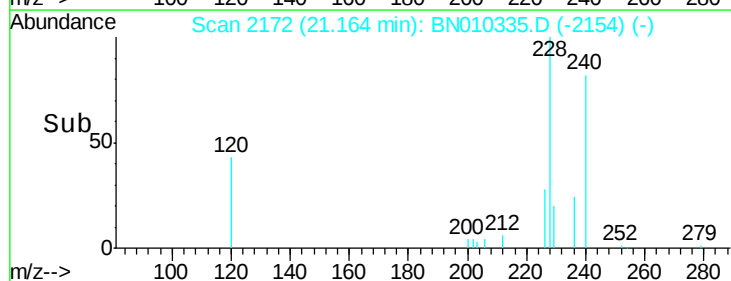
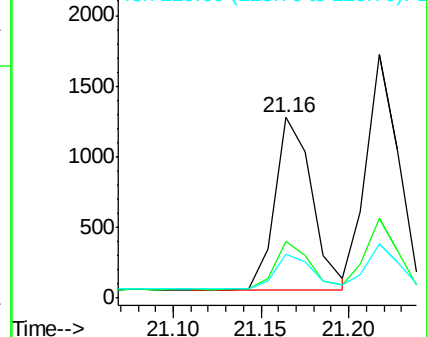
229 24.2 16.0 24.0#

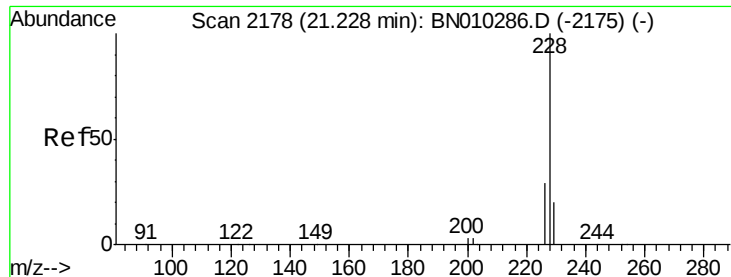


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.024 ng

RT: 21.22 min Scan# 2177

Delta R.T. -0.01 min

Lab File: BN010335.D

Acq: 24 Mar 2020 20:27

Instrument :

BNA_N

ClientSampleId :

RE109D3-20200316

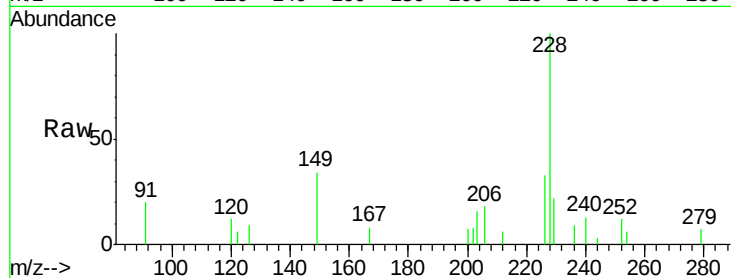
Tot Ion:228 Resp: 2107

Ion Ratio Lower Upper

228 100

226 32.6 23.0 34.6

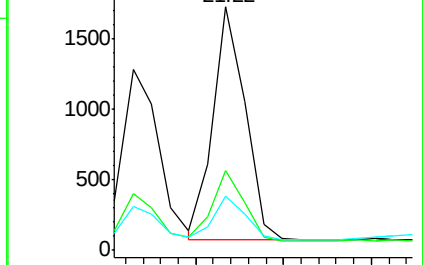
229 22.3 16.0 24.0



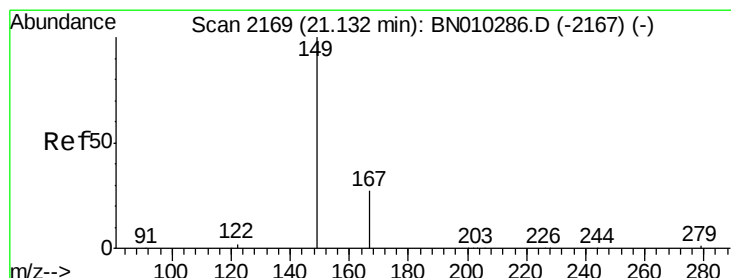
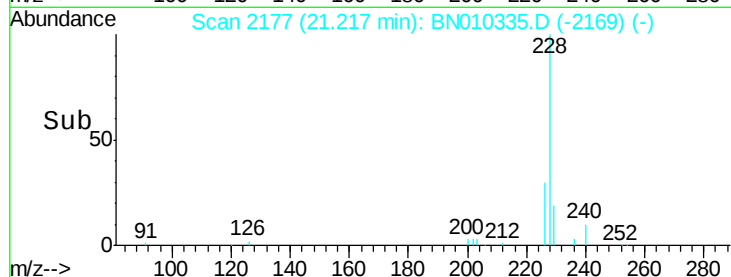
Abundance Ion 228.00 (227.70 to 228.70): E

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: 0.061 ng

RT: 21.13 min Scan# 2169

Delta R.T. 0.00 min

Lab File: BN010335.D

Acq: 24 Mar 2020 20:27

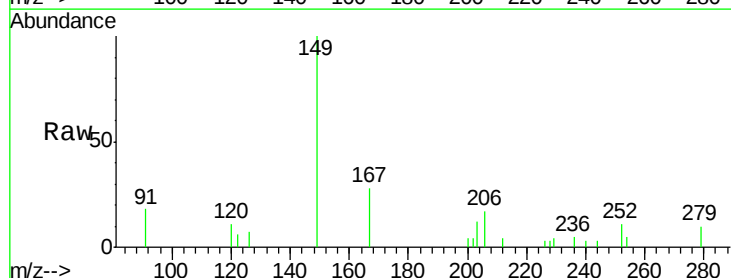
Tgt Ion:149 Resp: 1660

Ion Ratio Lower Upper

149 100

167 28.2 23.0 34.6

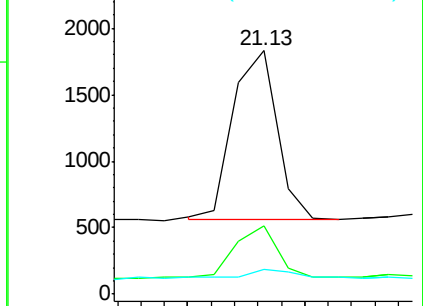
279 5.2 3.8 5.8



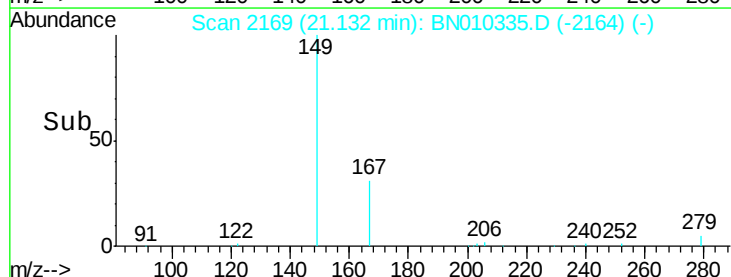
Abundance Ion 149.00 (148.70 to 149.70): E

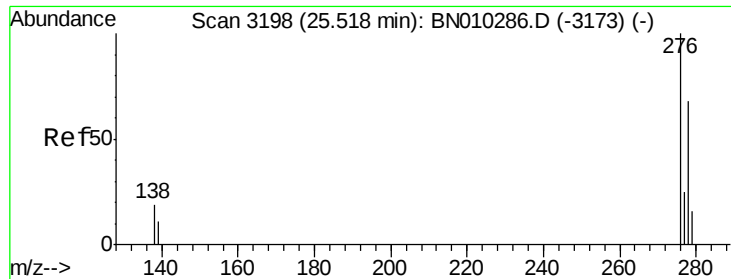
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.022 ng

RT: 25.50 min Scan# 3193

Delta R.T. -0.02 min

Lab File: BN010335.D

Acq: 24 Mar 2020 20:27

Instrument :

BNA_N

ClientSampleId :

RE109D3-20200316

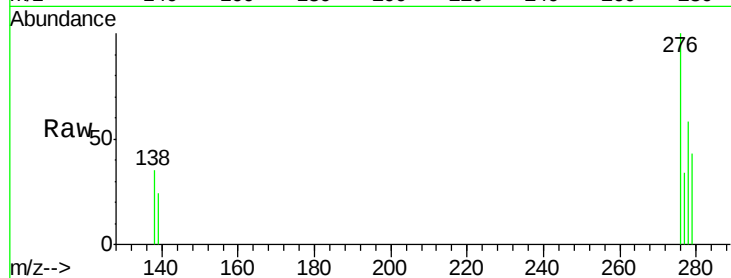
Tot Ion:276 Resp: 2032

Ion Ratio Lower Upper

276 100

138 23.1 15.6 23.4

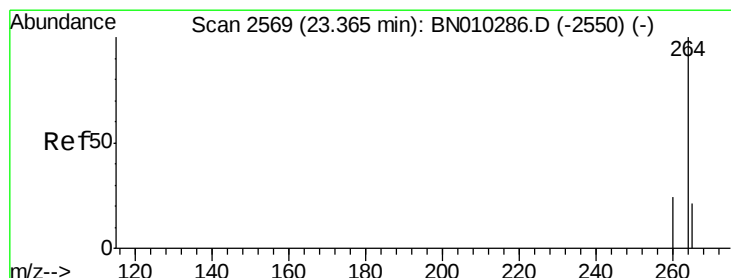
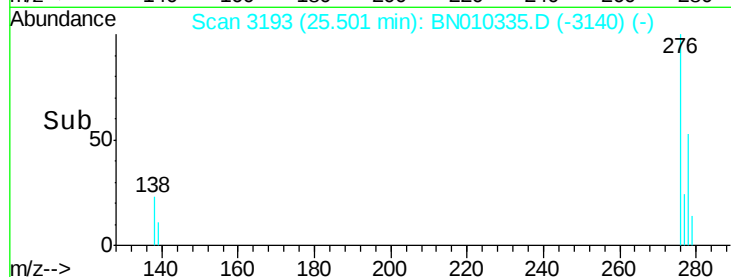
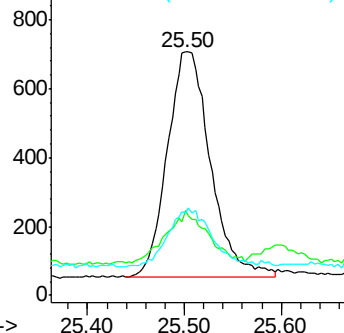
277 25.5 20.1 30.1



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: 23.36 min Scan# 2567

Delta R.T. -0.01 min

Lab File: BN010335.D

Acq: 24 Mar 2020 20:27

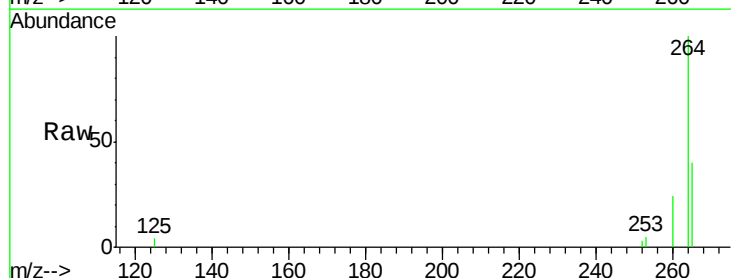
Tgt Ion:264 Resp: 27715

Ion Ratio Lower Upper

264 100

260 24.3 19.5 29.3

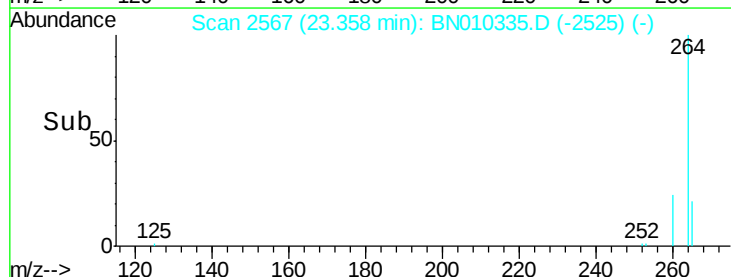
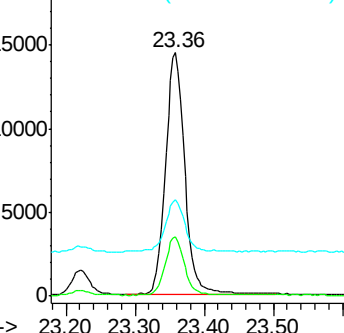
265 39.5 32.4 48.6

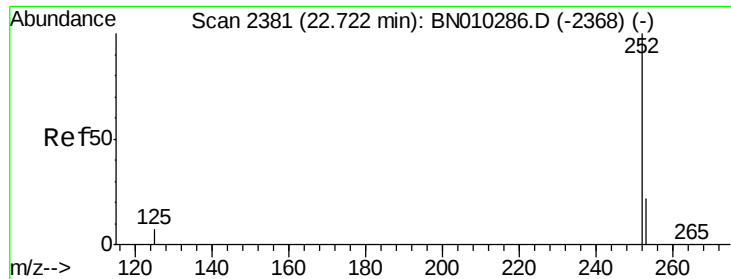


Abundance Ion 264.00 (263.70 to 264.70): E

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# 2379

Delta R.T. -0.01 min

Lab File: BN010335.D

Acq: 24 Mar 2020 20:27

Instrument :

BNA_N

ClientSampleId :

RE109D3-20200316

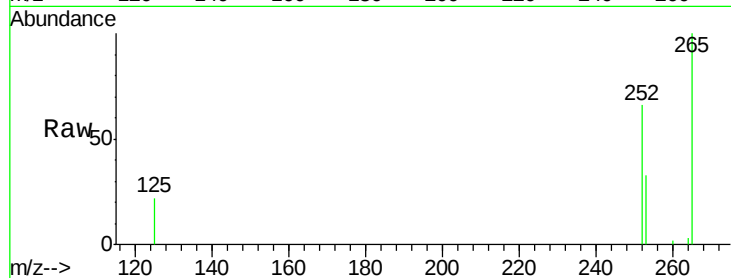
Tot Ion:252 Resp: 2153

Ion Ratio Lower Upper

252 100

253 49.9 19.2 28.8#

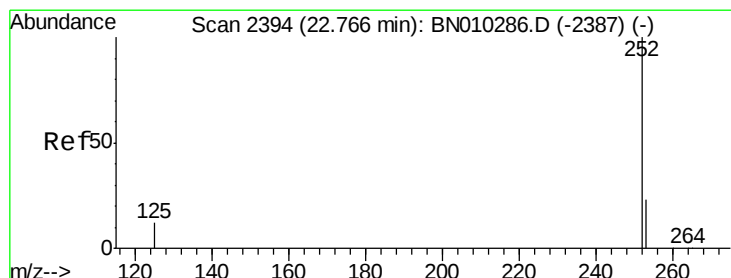
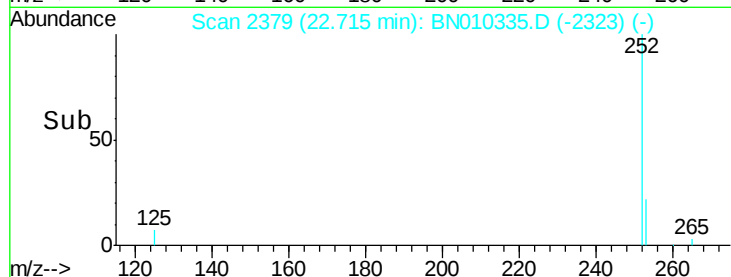
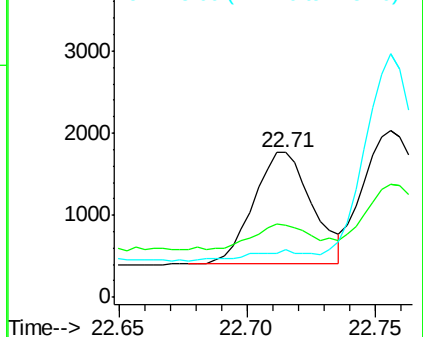
125 32.6 7.4 11.0#



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: 0.026 ng

RT: 22.76 min Scan# 2391

Delta R.T. -0.01 min

Lab File: BN010335.D

Acq: 24 Mar 2020 20:27

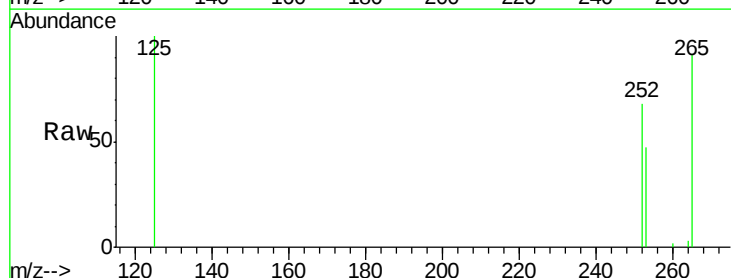
Tgt Ion:252 Resp: 2475

Ion Ratio Lower Upper

252 100

253 68.2 19.4 29.0#

125 146.1 10.2 15.2#



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

