

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN061520\
 Data File : BN010868.D
 Acq On : 15 Jun 2020 11:03
 Operator : CG/JU
 Sample : L2988-14DL 2X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE134D2-20200608DL

Quant Time: Jun 15 11:36:39 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN061020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 15 11:09:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	2918	0.40	ng	0.00
7) Naphthalene-d8	10.30	136	10284	0.40	ng	0.00
13) Acenaphthene-d10	14.16	164	5843	0.40	ng	0.00
19) Phenanthrene-d10	16.92	188	11737	0.40	ng	0.00
27) Chrysene-d12	21.13	240	10170	0.40	ng	0.00
34) Perylene-d12	23.28	264	10645	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.20	112	126	0.02	ng	0.00
5) Phenol-d6	6.74	99	128	0.02	ng	0.00
8) Nitrobenzene-d5	8.69	82	1237	0.16	ng	0.01
11) 2-Methylnaphthalene-d10	11.90	152	2227	0.14	ng	0.00
14) 2,4,6-Tribromophenol	15.68	330	160	0.08	ng	0.00
15) 2-Fluorobiphenyl	12.79	172	3557	0.15	ng	0.00
25) Fluoranthene-d10	18.96	212	5187	0.16	ng	0.00
29) Terphenyl-d14	19.57	244	6237	0.26	ng	0.00

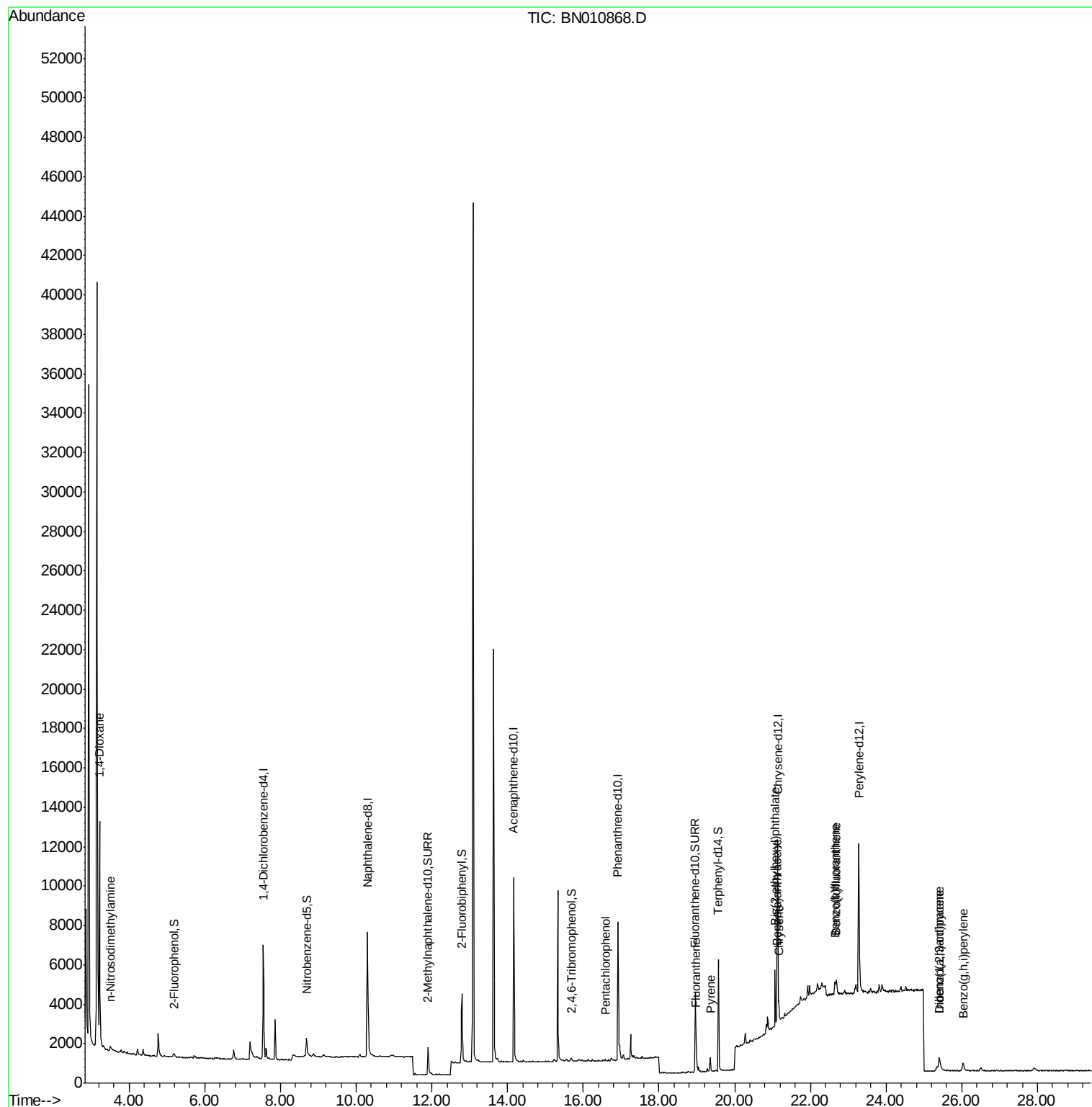
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.22	88	9720	3.401	ng	98
3) n-Nitrosodimethylamine	3.51	42	81	0.049	ng	# 1
22) Pentachlorophenol	16.60	266	77	0.031	ng	# 82
26) Fluoranthene	18.99	202	768	0.021	ng	# 94
28) Pyrene	19.36	202	705	0.021	ng	# 90
30) Benzo(a)anthracene	21.11	228	634	0.021	ng	# 74
31) Chrysene	21.17	228	723	0.021	ng	# 87
32) Bis(2-ethylhexyl)phthalate	21.07	149	2376	0.238	ng	94
33) Indeno(1,2,3-cd)pyrene	25.40	276	912	0.023	ng	99
35) Benzo(b)fluoranthene	22.65	252	808	0.022	ng	# 1
36) Benzo(k)fluoranthene	22.69	252	814	0.021	ng	# 1
38) Dibenzo(a,h)anthracene	25.41	278	760	0.021	ng	# 1
39) Benzo(a,h,i)perylene	26.04	276	839	0.023	ng	# 54

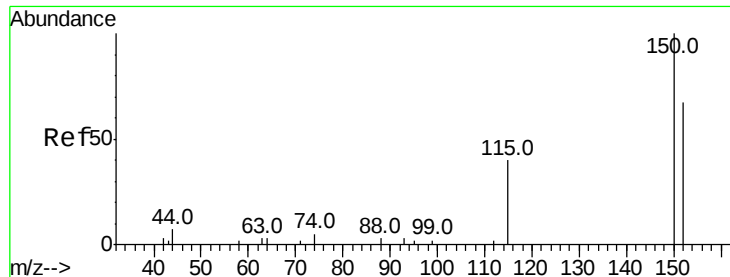
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.55 min Scan# 586

Delta R.T. 0.00 min

Lab File: BN010868.D

Acq: 15 Jun 2020 11:03

Instrument :

BNA_N

ClientSampleId :

RE134D2-20200608DL

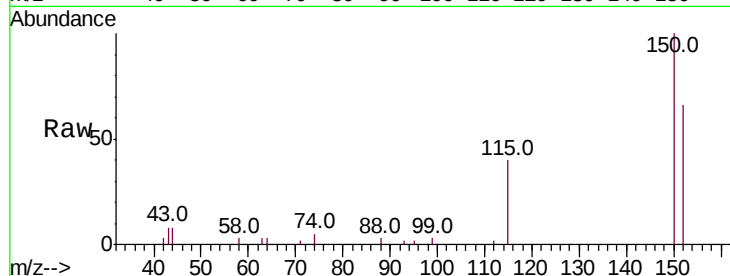
Tot Ion:152 Resp: 2918

Ion Ratio Lower Upper

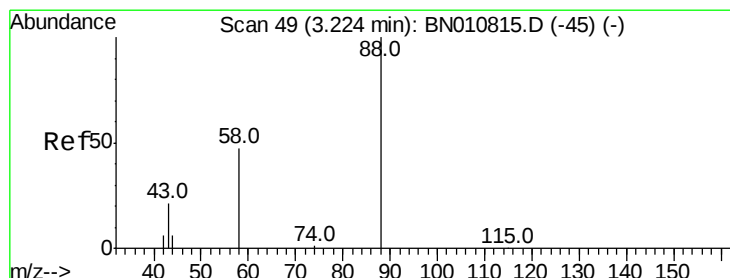
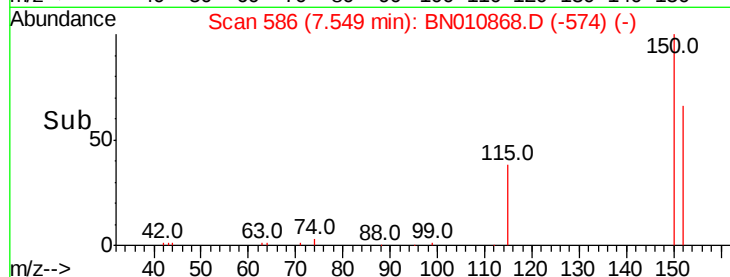
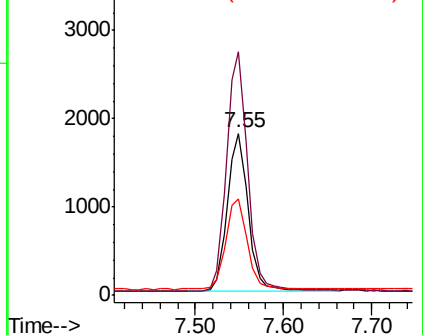
152 100

150 150.5 123.8 185.6

115 59.8 49.2 73.8



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: 3.401 ng

RT: 3.22 min Scan# 48

Delta R.T. -0.01 min

Lab File: BN010868.D

Acq: 15 Jun 2020 11:03

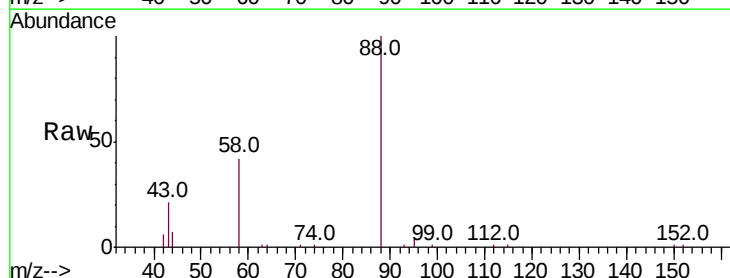
Tgt Ion: 88 Resp: 9720

Ion Ratio Lower Upper

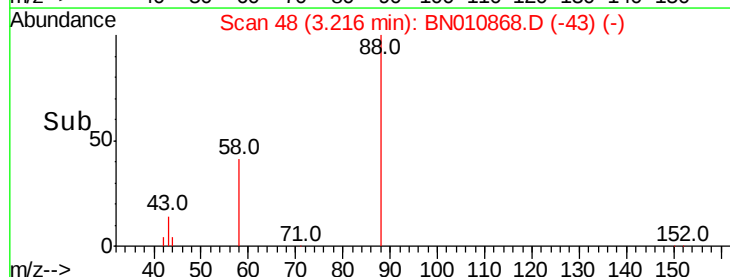
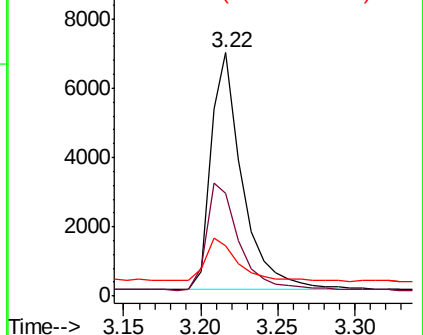
88 100

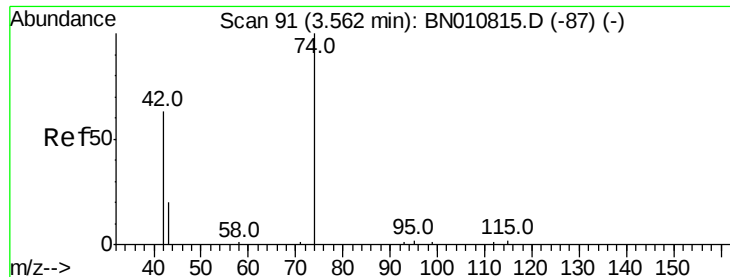
58 46.2 38.2 57.4

43 17.8 15.1 22.7



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





#3

n-Nitrosodimethylamine

Concen: 0.049 ng

RT: 3.51 min Scan# 84

Delta R.T. -0.04 min

Lab File: BN010868.D

Acq: 15 Jun 2020 11:03

Instrument :

BNA_N

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RE134D2-20200608DL

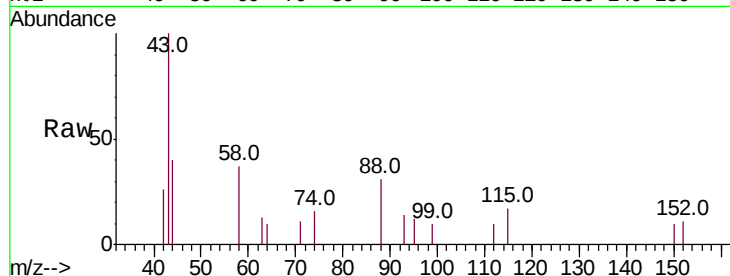
Tot Ion: 42 Resp: 81

Ion Ratio Lower Upper

42 100

74 3.7 140.7 211.1#

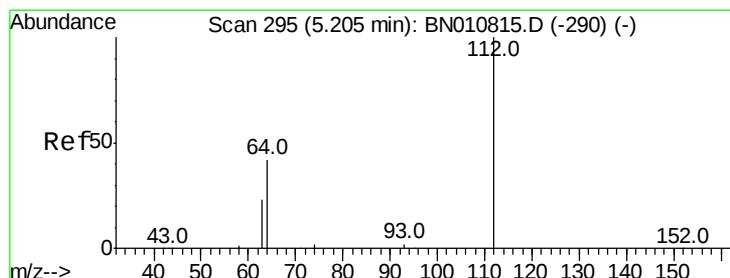
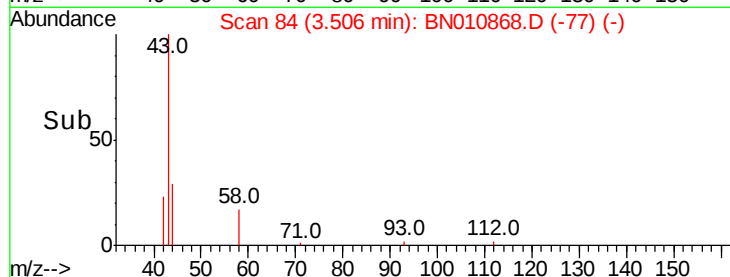
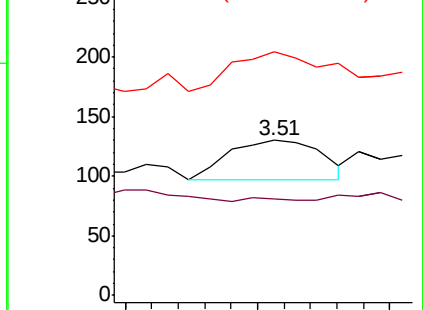
44 112.3 1.4 2.2#



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: 0.022 ng

RT: 5.20 min Scan# 294

Delta R.T. 0.00 min

Lab File: BN010868.D

Acq: 15 Jun 2020 11:03

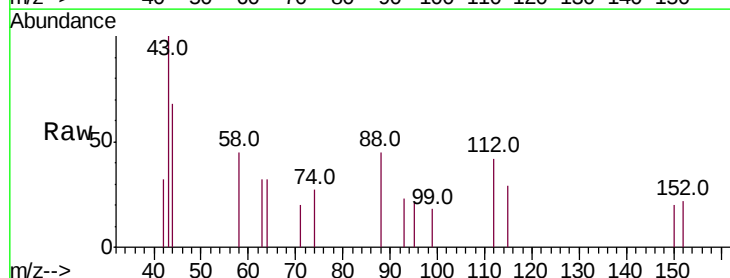
Tgt Ion: 112 Resp: 126

Ion Ratio Lower Upper

112 100

64 56.3 37.4 56.0#

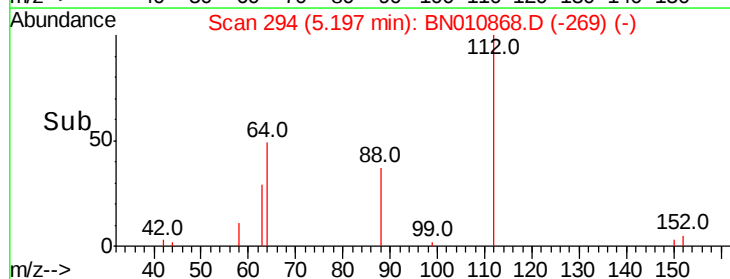
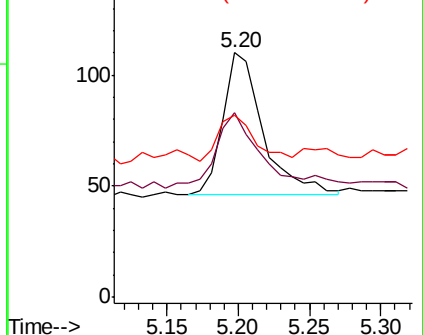
63 29.4 22.2 33.4

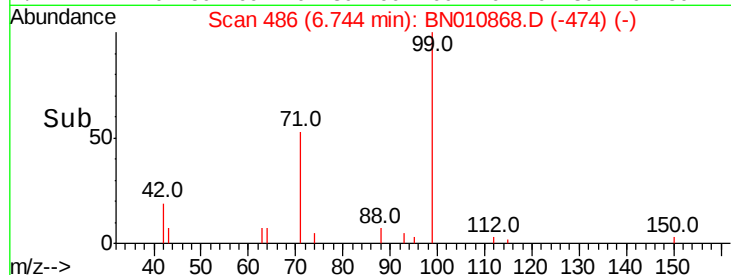
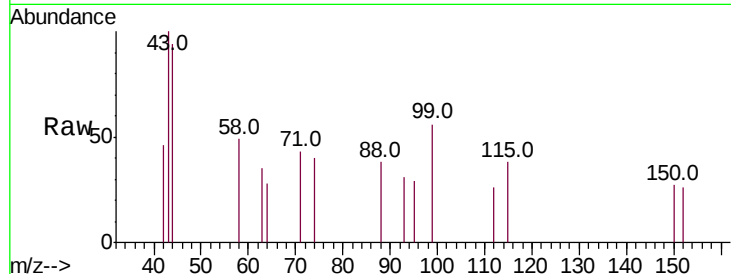
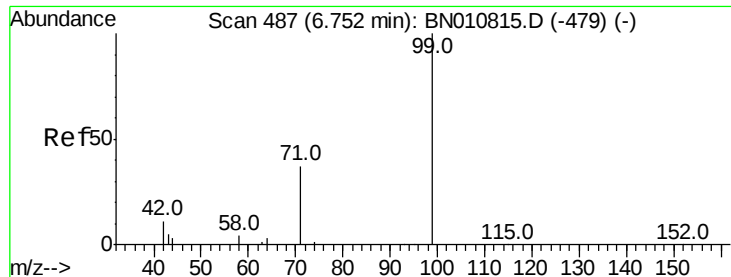


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BN0

Ion 63.00 (62.70 to 63.70): BN0





#5

Phenol-d6

Concen: 0.019 ng

RT: 6.74 min Scan# 486

Delta R.T. 0.00 min

Lab File: BN010868.D

Acq: 15 Jun 2020 11:03

Instrument :

BNA_N

ClientSampleId :

RE134D2-20200608DL

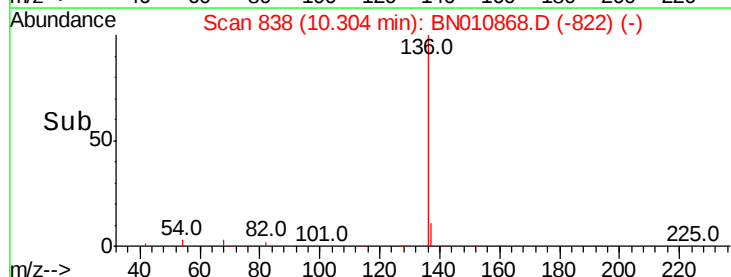
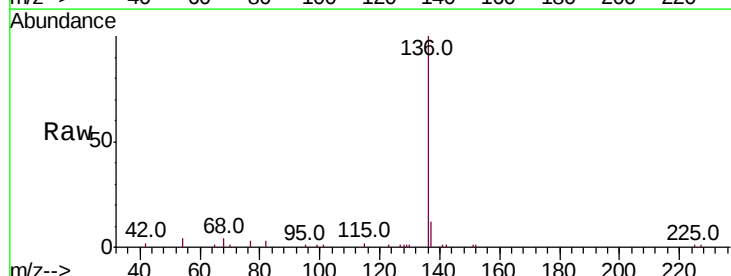
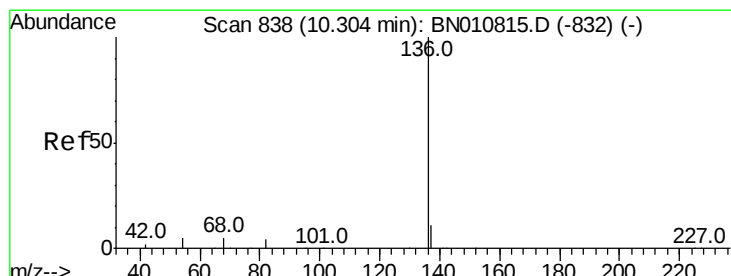
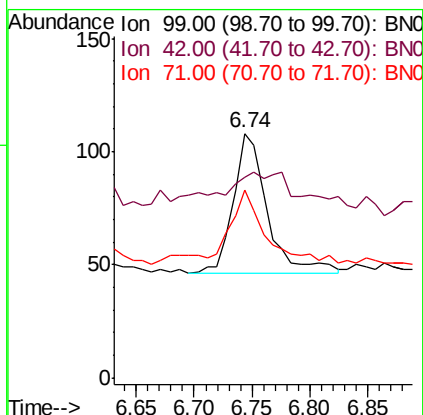
Tot Ion: 99 Resp: 128

Ion Ratio Lower Upper

99 100

42 22.7 11.1 16.7#

71 53.9 31.4 47.2#



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.30 min Scan# 838

Delta R.T. 0.00 min

Lab File: BN010868.D

Acq: 15 Jun 2020 11:03

Tgt Ion:136 Resp: 10284

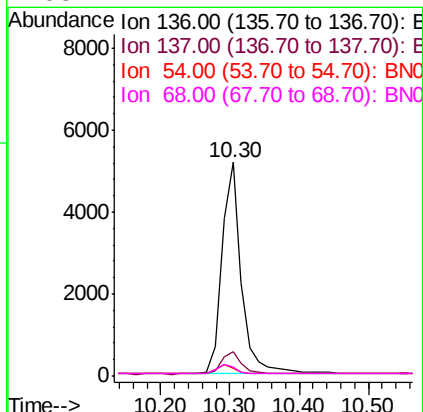
Ion Ratio Lower Upper

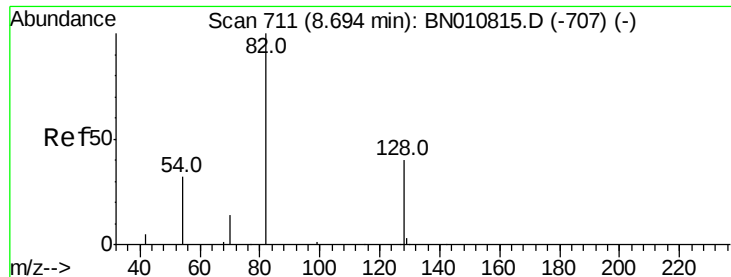
136 100

137 11.6 9.7 14.5

54 3.7 4.9 7.3#

68 4.2 4.7 7.1#

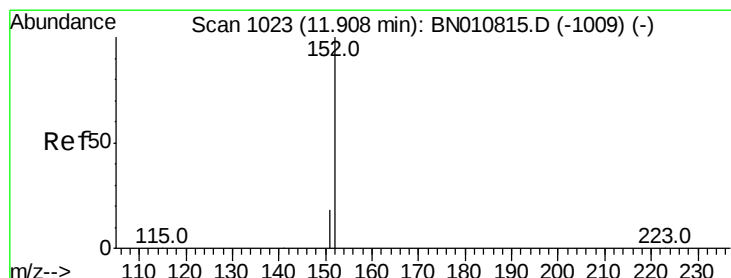
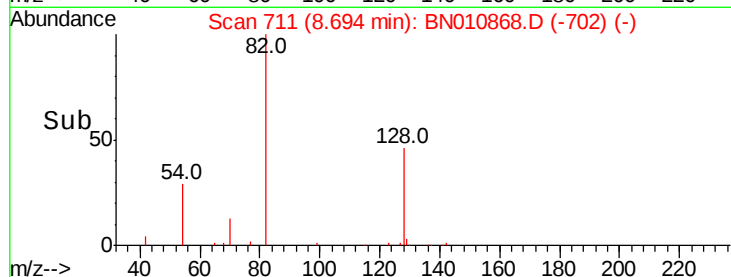
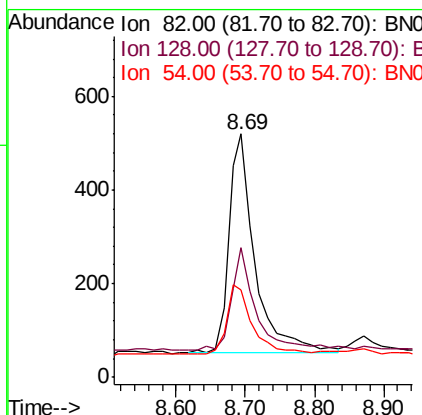
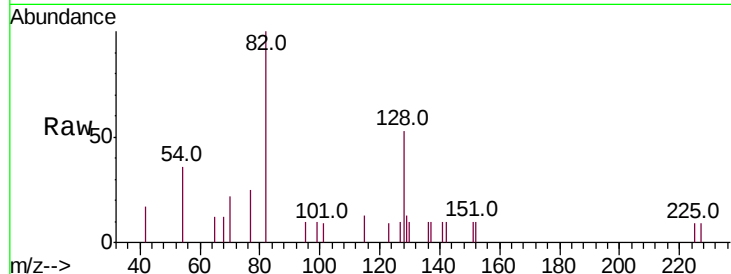




#8
Nitrobenzene-d5
Concen: 0.163 ng
RT: 8.69 min Scan# 711
Delta R.T. 0.01 min
Lab File: BN010868.D
Acq: 15 Jun 2020 11:03

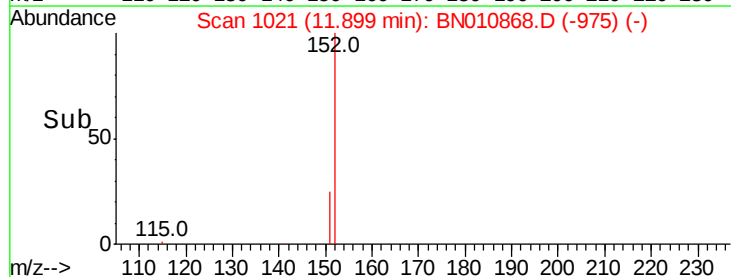
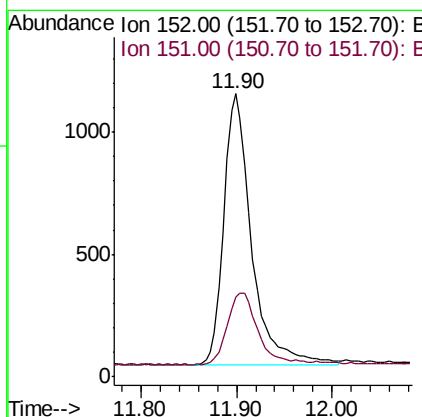
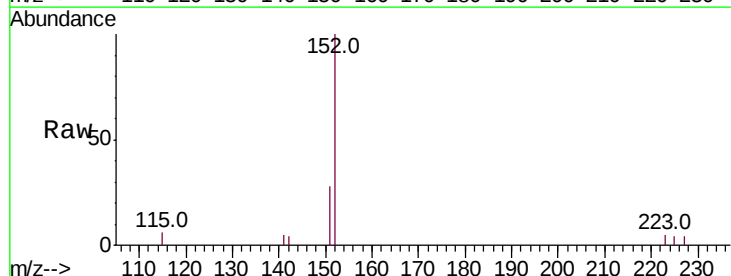
Instrument :
BNA_N
ClientSampleId :
RE134D2-20200608DL

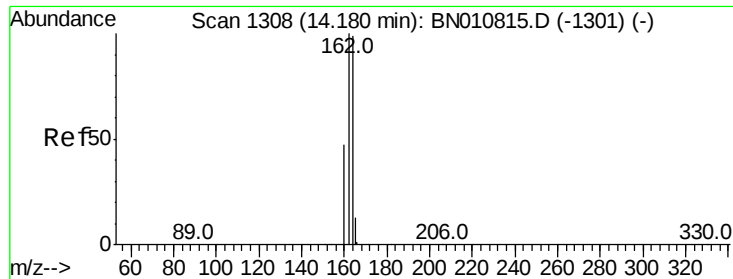
Tot Ion	82	Resp	1237
Ion Ratio	Lower	Upper	
82	100		
128	53.3	35.4	53.0#
54	36.0	28.2	42.4



#11
2-Methylnaphthalene-d10
Concen: 0.140 ng
RT: 11.90 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BN010868.D
Acq: 15 Jun 2020 11:03

Tgt Ion	152	Resp	2227
Ion Ratio	Lower	Upper	
152	100		
151	29.4	15.3	22.9#





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.16 min Scan# 1306

Delta R.T. -0.00 min

Lab File: BN010868.D

Acq: 15 Jun 2020 11:03

Instrument :

BNA_N

ClientSampleId :

RE134D2-20200608DL

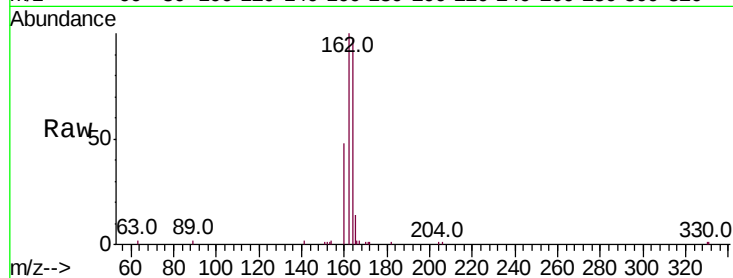
Tot Ion:164 Resp: 5843

Ion Ratio Lower Upper

164 100

162 103.4 81.0 121.6

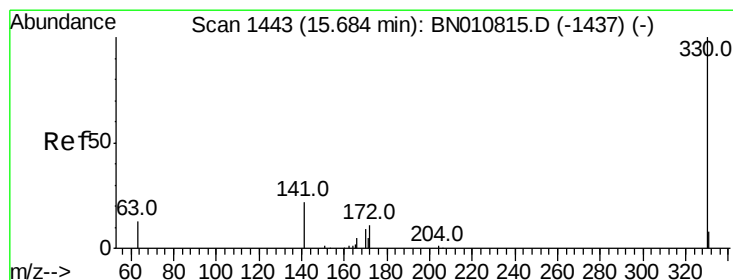
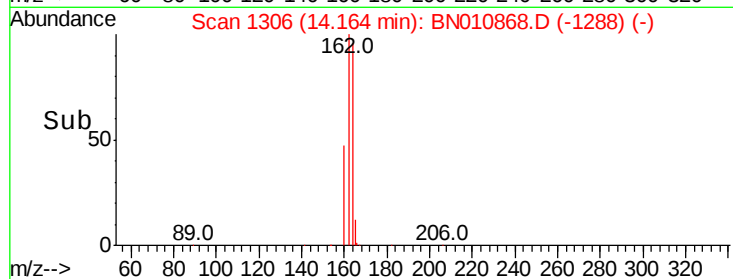
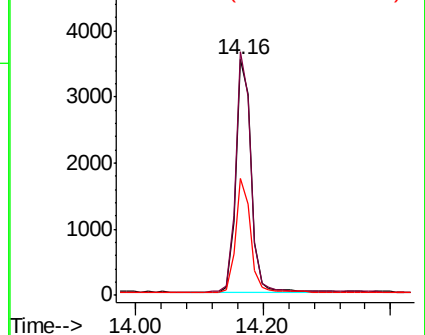
160 49.6 38.9 58.3



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: 0.077 ng

RT: 15.68 min Scan# 1442

Delta R.T. 0.01 min

Lab File: BN010868.D

Acq: 15 Jun 2020 11:03

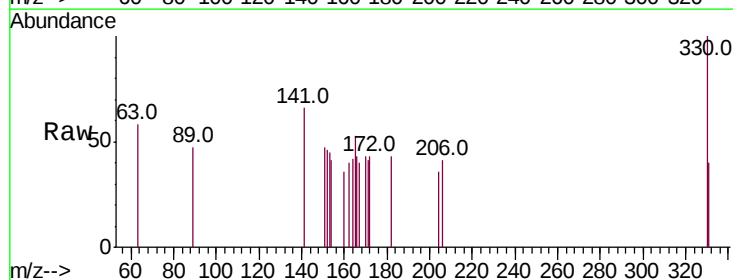
Tgt Ion:330 Resp: 160

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

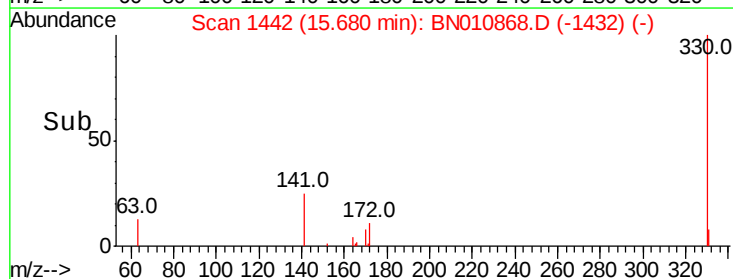
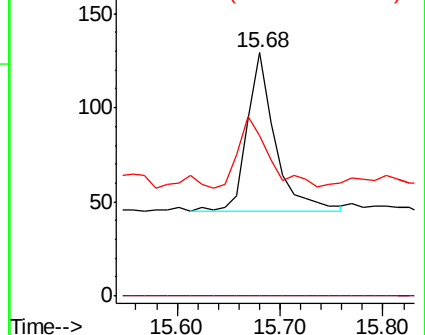
141 49.4 33.2 49.8

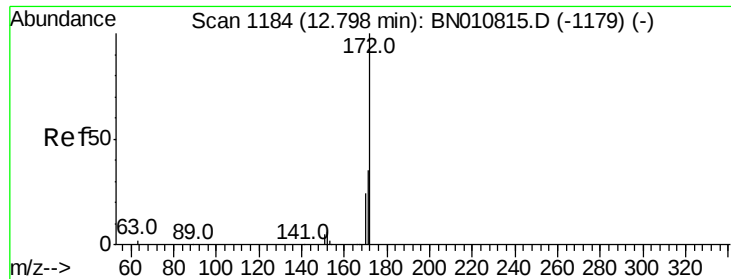


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

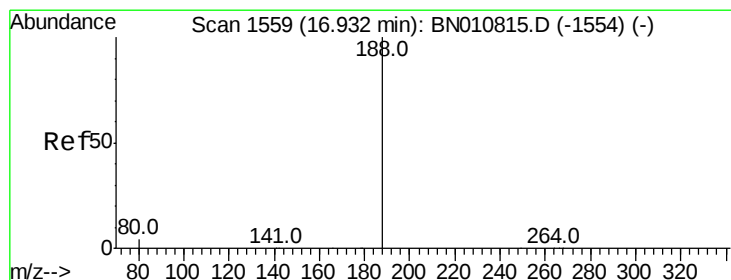
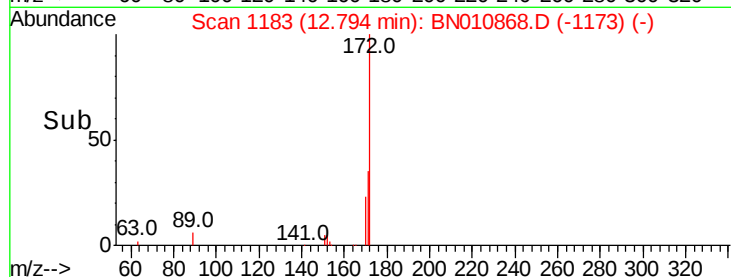
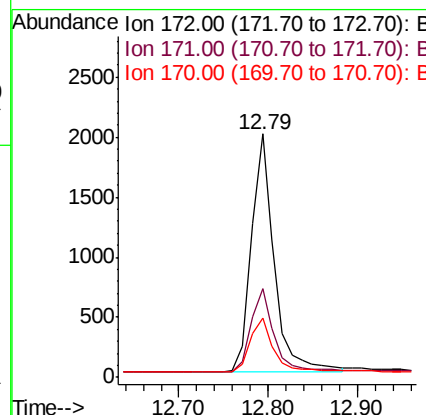
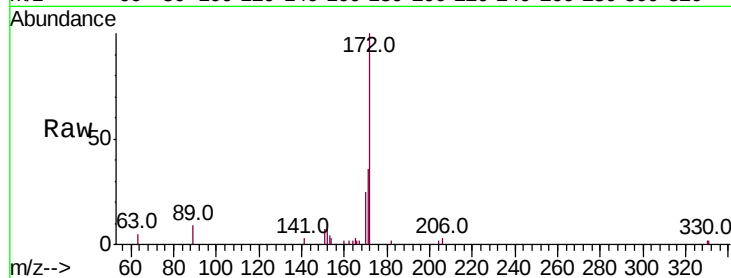




#15
2-Fluorobiphenyl
Concen: 0.154 ng
RT: 12.79 min Scan# 1183
Delta R.T. 0.01 min
Lab File: BN010868.D
Acq: 15 Jun 2020 11:03

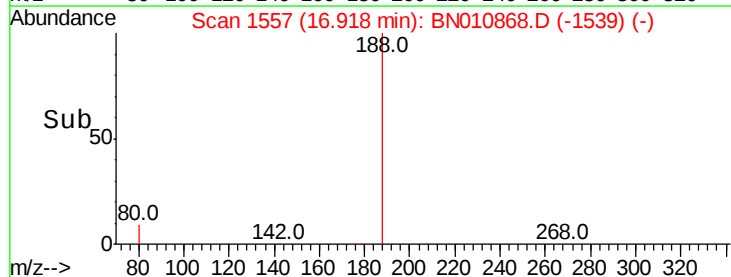
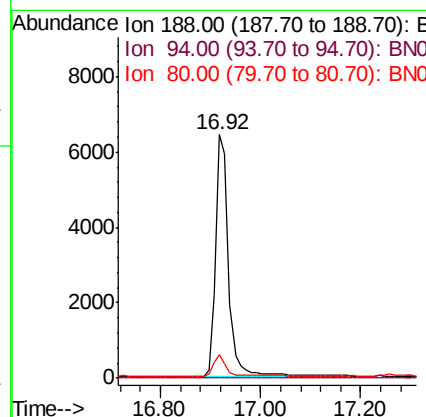
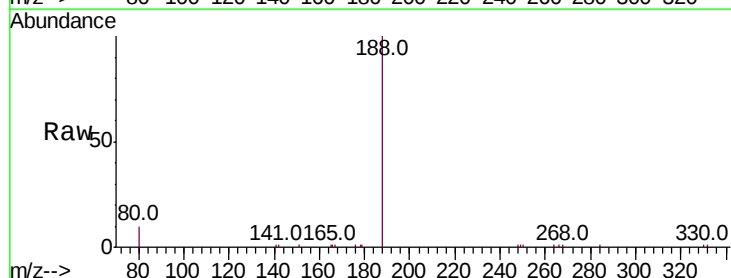
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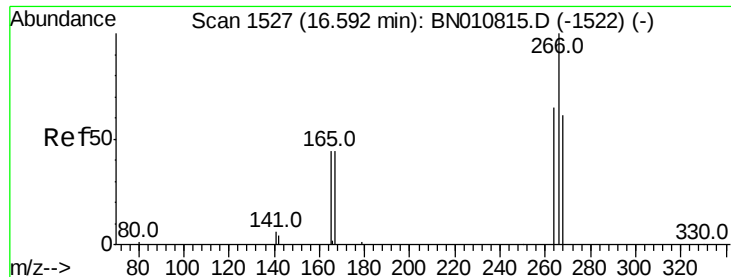
Tot Ion:172 Resp: 3557
Ion Ratio Lower Upper
172 100
171 36.5 28.5 42.7
170 24.5 19.7 29.5



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.92 min Scan# 1557
Delta R.T. -0.00 min
Lab File: BN010868.D
Acq: 15 Jun 2020 11:03

Tgt Ion:188 Resp: 11737
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 9.7 4.5 6.7#

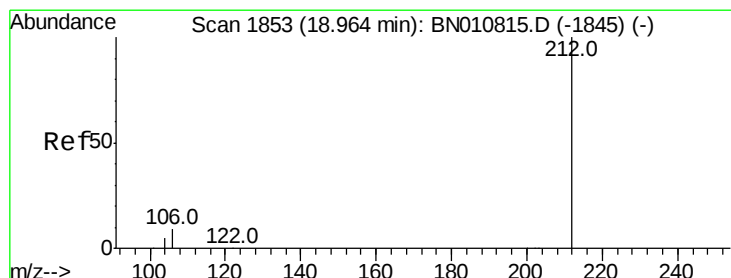
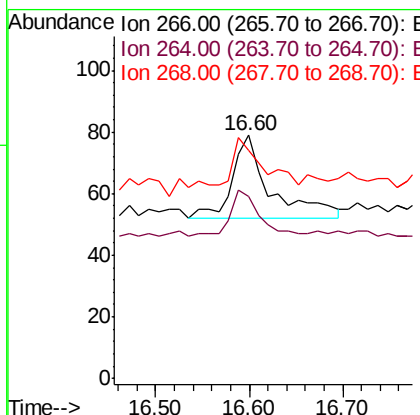
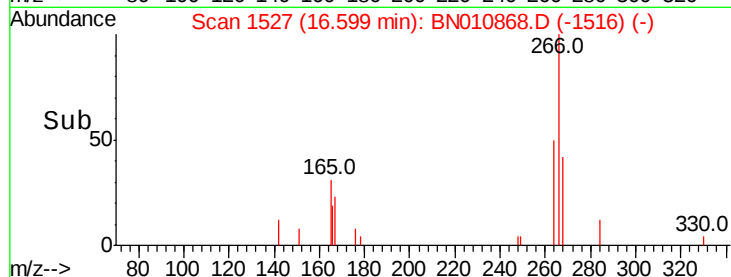
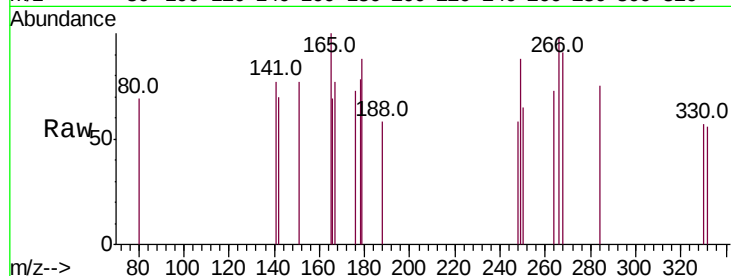




#22
 Pentachlorophenol
 Concen: 0.031 ng
 RT: 16.60 min Scan# 1527
 Delta R.T. 0.02 min
 Lab File: BN010868.D
 Acq: 15 Jun 2020 11:03

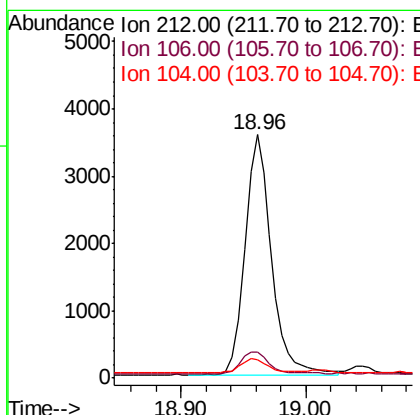
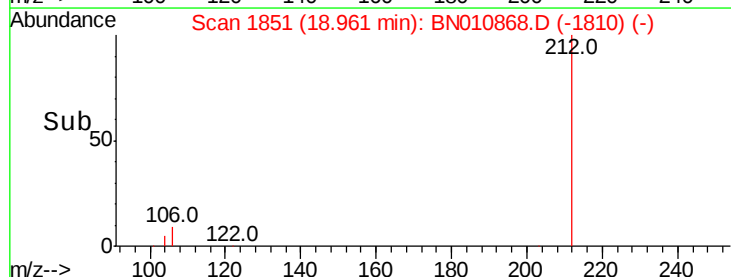
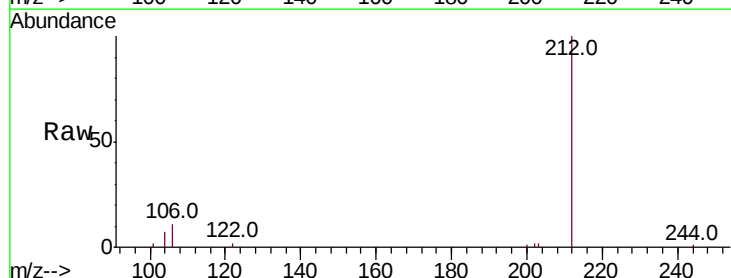
Instrument :
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 ClientSampleId :
 RE134D2-20200608DL

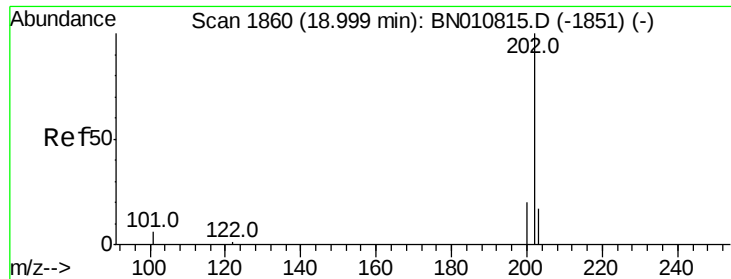
Tot Ion:266 Resp: 77
 Ion Ratio Lower Upper
 266 100
 264 74.7 54.8 82.2
 268 93.7 55.9 83.9#



#25
 Fluoranthene-d10
 Concen: 0.160 ng
 RT: 18.96 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: BN010868.D
 Acq: 15 Jun 2020 11:03

Tgt Ion:212 Resp: 5187
 Ion Ratio Lower Upper
 212 100
 106 9.6 6.6 10.0
 104 6.1 4.0 6.0#





#26

Fluoranthene

Concen: 0.021 ng

RT: 18.99 min Scan# 1857

Delta R.T. 0.00 min

Lab File: BN010868.D

Acq: 15 Jun 2020 11:03

Instrument :

BNA_N

ClientSampleId :

RE134D2-20200608DL

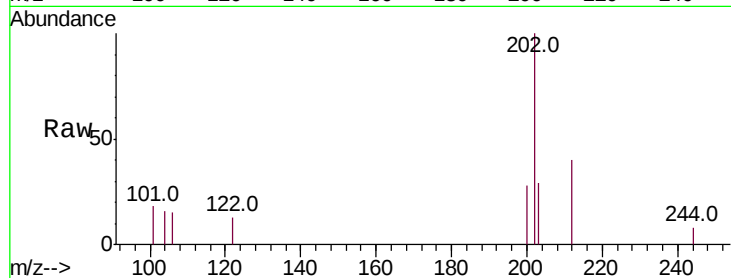
Tot Ion:202 Resp: 768

Ion Ratio Lower Upper

202 100

101 10.4 5.8 8.6#

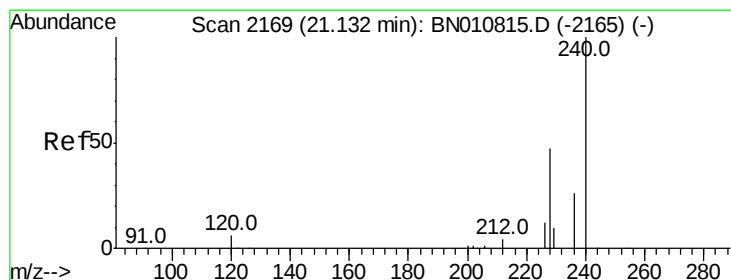
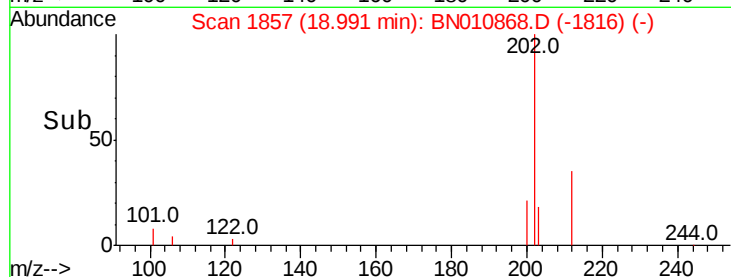
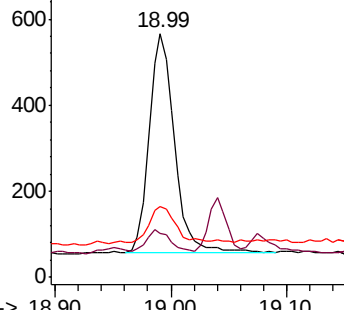
203 18.9 13.7 20.5



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: 21.13 min Scan# 2168

Delta R.T. 0.00 min

Lab File: BN010868.D

Acq: 15 Jun 2020 11:03

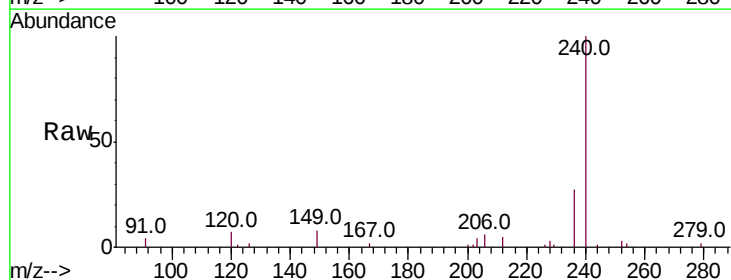
Tgt Ion:240 Resp: 10170

Ion Ratio Lower Upper

240 100

120 7.1 7.5 11.3#

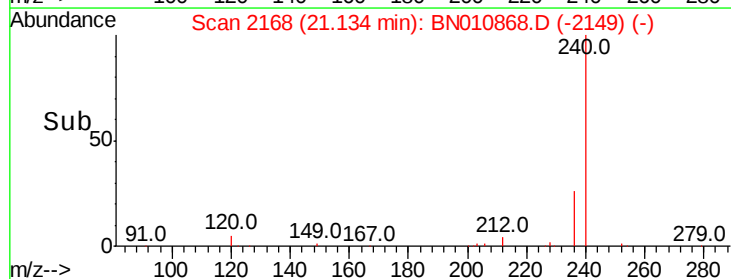
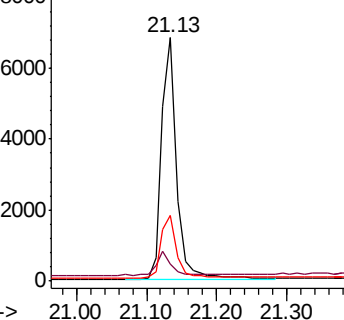
236 26.9 22.3 33.5

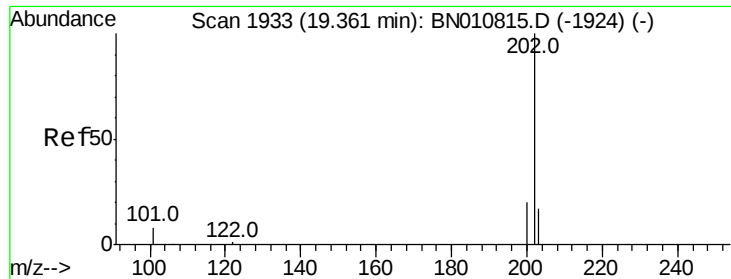


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

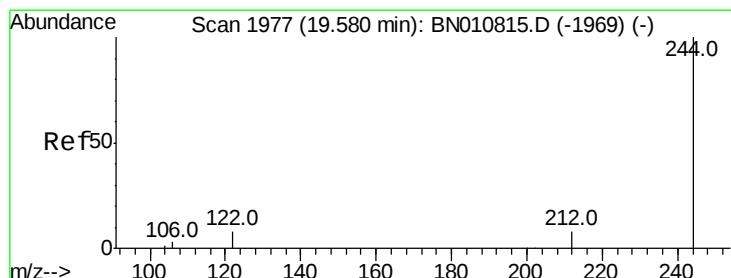
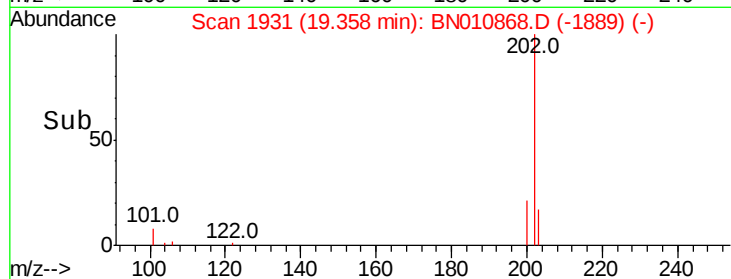
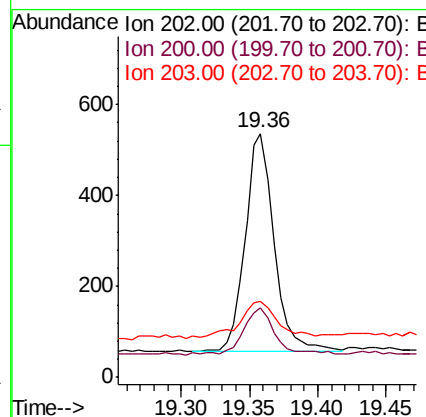
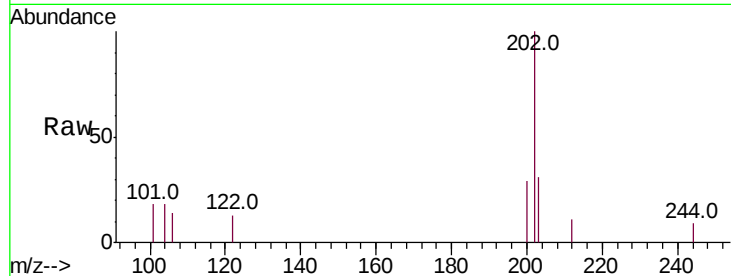




#28
Pvrene
Concen: 0.021 ng
RT: 19.36 min Scan# 1931
Delta R.T. 0.01 min
Lab File: BN010868.D
Acq: 15 Jun 2020 11:03

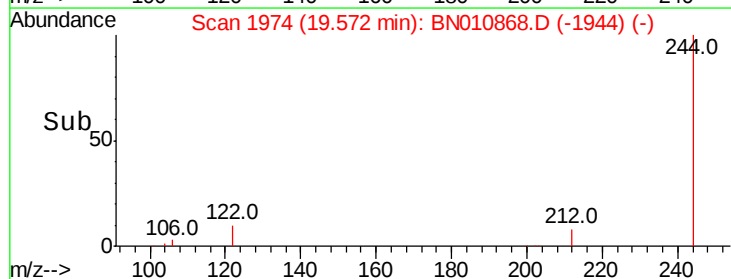
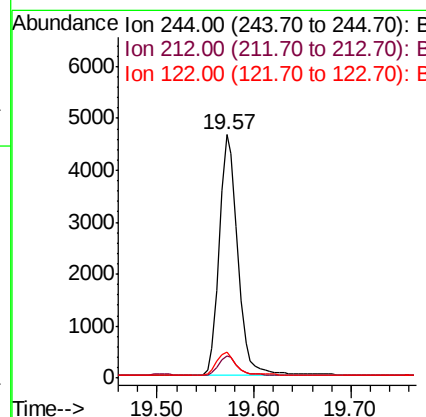
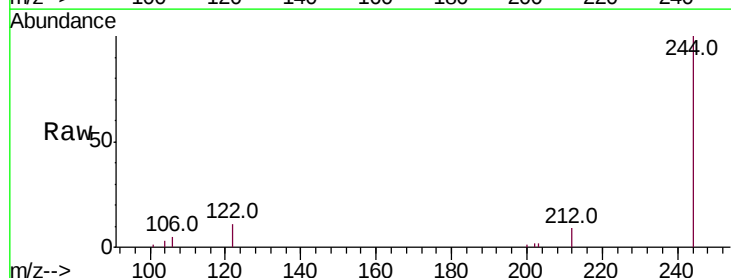
Instrument :
BNA_N
ClientSampleId :
RE134D2-20200608DL

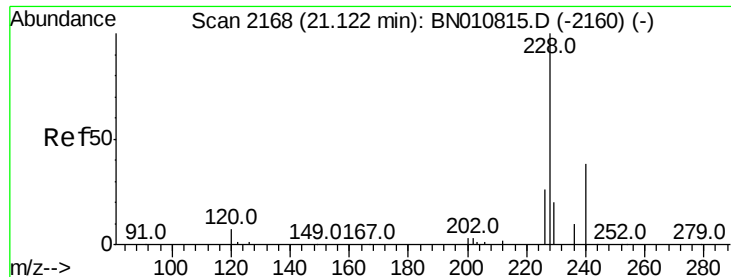
Tot Ion:202 Resp: 705
Ion Ratio Lower Upper
202 100
200 24.4 16.4 24.6
203 23.4 14.2 21.4#



#29
Terphenyl-d14
Concen: 0.262 ng
RT: 19.57 min Scan# 1974
Delta R.T. -0.00 min
Lab File: BN010868.D
Acq: 15 Jun 2020 11:03

Tgt Ion:244 Resp: 6237
Ion Ratio Lower Upper
244 100
212 9.2 7.4 11.2
122 10.8 7.5 11.3





#30

Benzo(a)anthracene

Concen: 0.021 ng

RT: 21.11 min Scan# 2166

Delta R.T. 0.00 min

Lab File: BN010868.D

Acq: 15 Jun 2020 11:03

Instrument :

BNA_N

ClientSampleId :

RE134D2-20200608DL

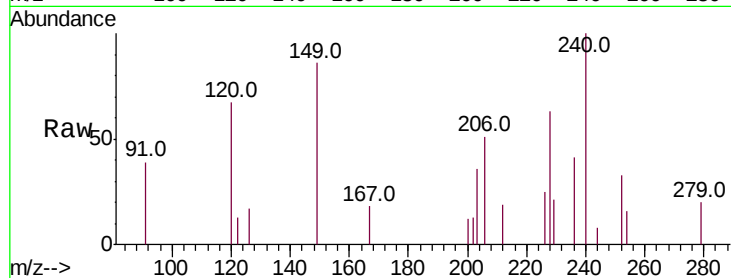
Tot Ion:228 Resp: 634

Ion Ratio Lower Upper

228 100

226 39.4 21.3 31.9#

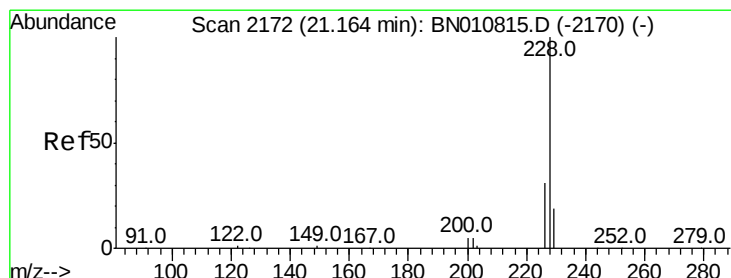
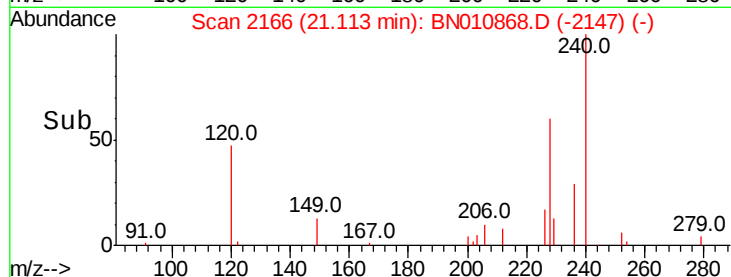
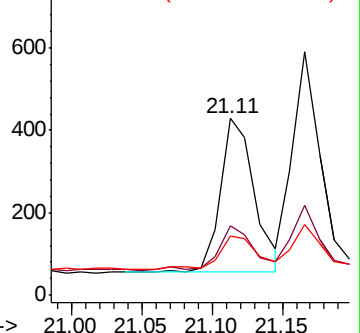
229 33.8 16.6 24.8#



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: 0.021 ng

RT: 21.17 min Scan# 2171

Delta R.T. 0.00 min

Lab File: BN010868.D

Acq: 15 Jun 2020 11:03

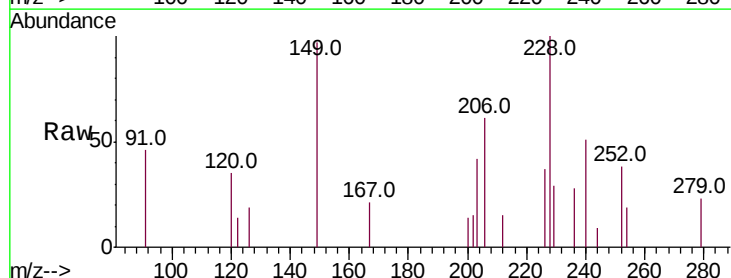
Tgt Ion:228 Resp: 723

Ion Ratio Lower Upper

228 100

226 36.7 25.0 37.6

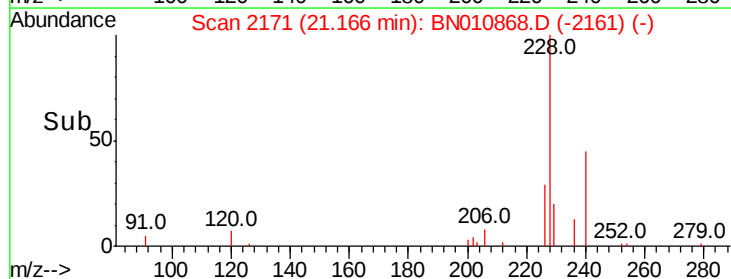
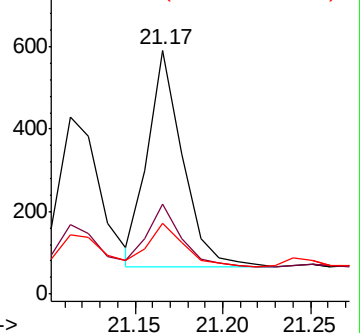
229 28.9 16.1 24.1#

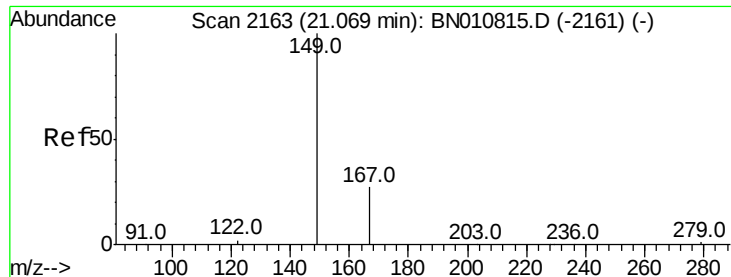


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.238 ng

RT: 21.07 min Scan# 2162

Delta R.T. 0.00 min

Lab File: BN010868.D

Acq: 15 Jun 2020 11:03

Instrument :

BNA_N

ClientSampleId :

RE134D2-20200608DL

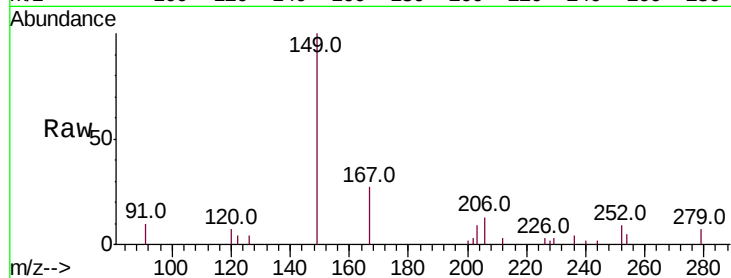
Tot Ion:149 Resp: 2376

Ion Ratio Lower Upper

149 100

167 26.5 24.1 36.1

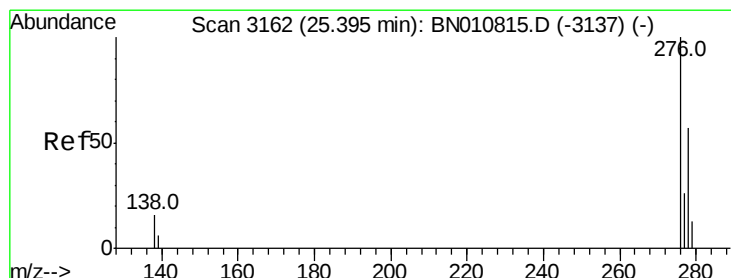
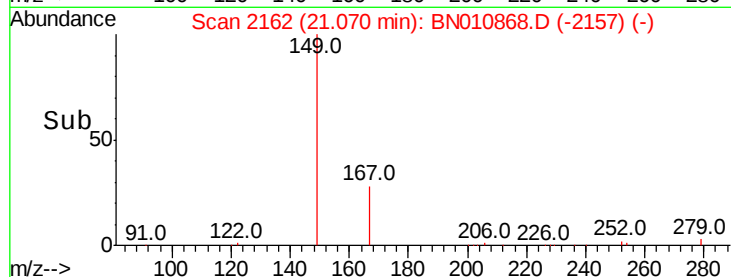
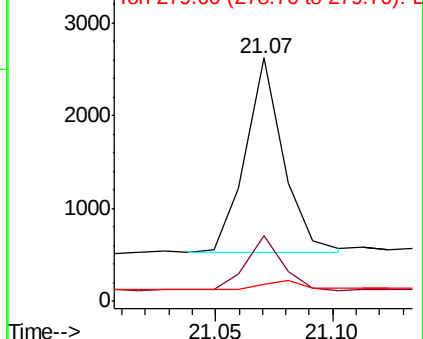
279 4.8 4.6 7.0



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



#33

Indeno(1,2,3-cd)pyrene

Concen: 0.023 ng

RT: 25.40 min Scan# 3162

Delta R.T. 0.01 min

Lab File: BN010868.D

Acq: 15 Jun 2020 11:03

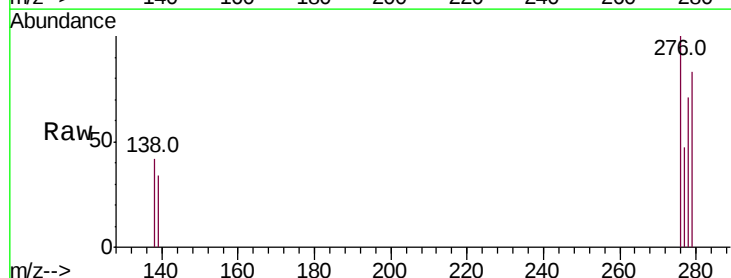
Tgt Ion:276 Resp: 912

Ion Ratio Lower Upper

276 100

138 16.6 13.0 19.6

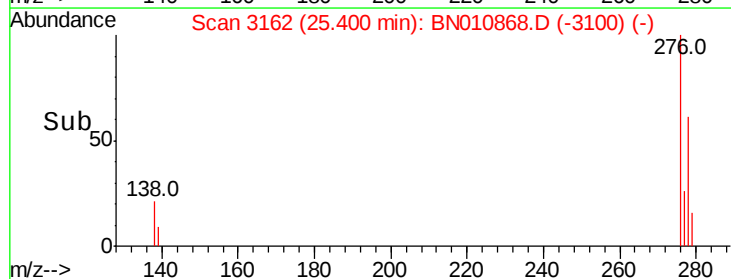
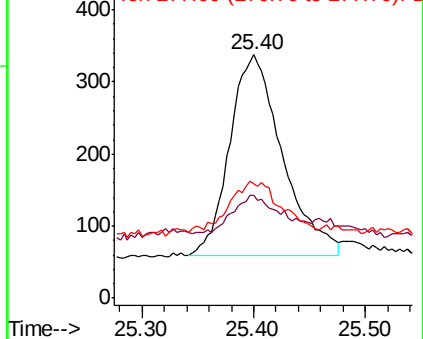
277 24.0 19.7 29.5

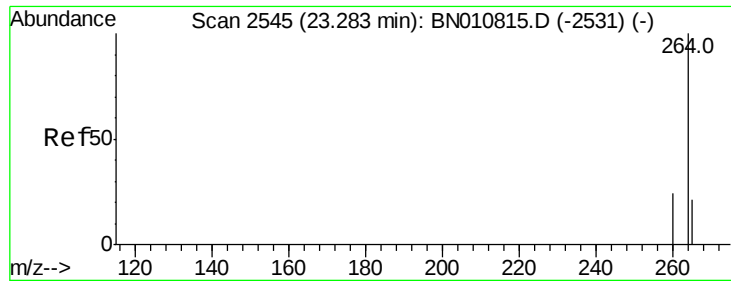


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

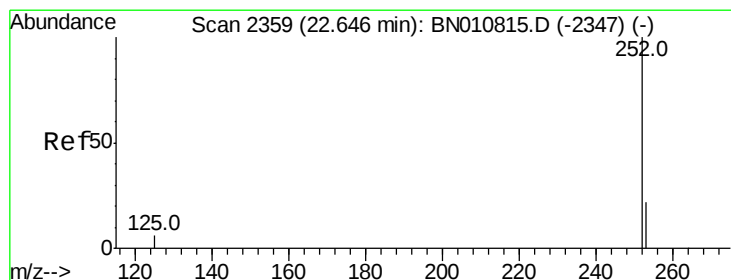
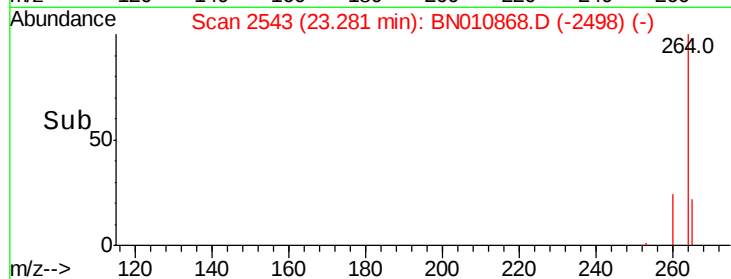
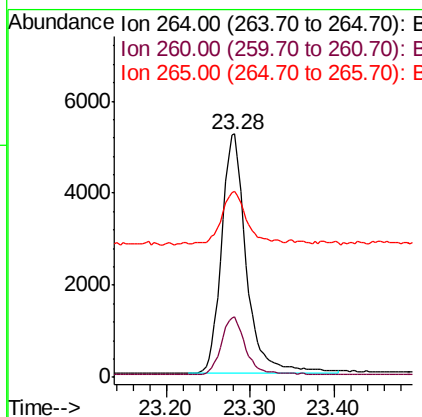
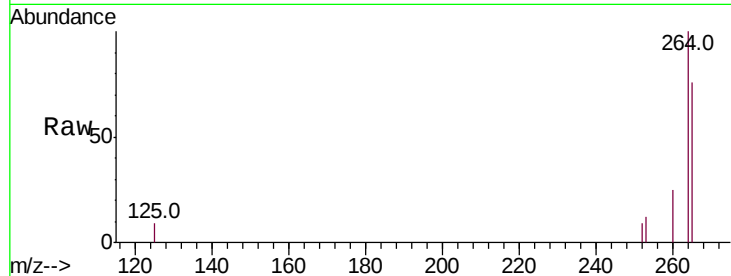




#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.28 min Scan# 2543
 Delta R.T. 0.01 min
 Lab File: BN010868.D
 Acq: 15 Jun 2020 11:03

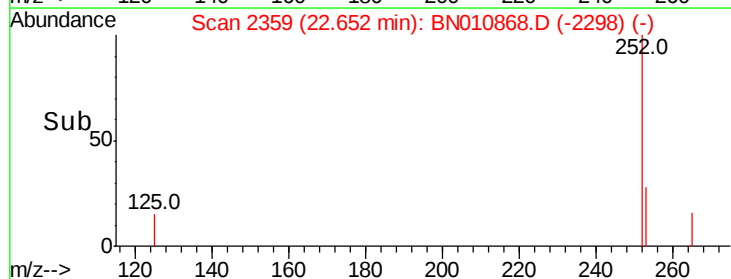
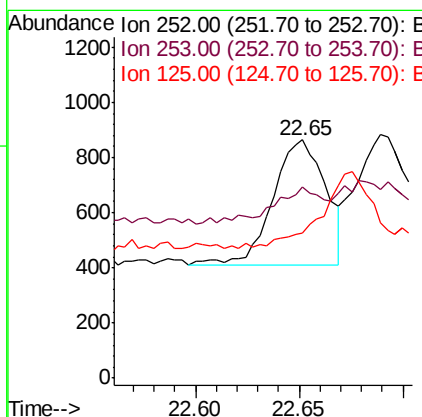
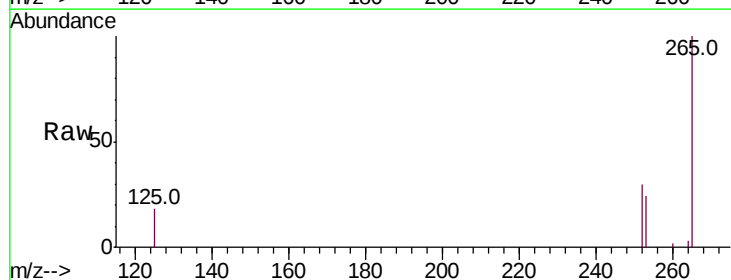
Instrument :
 BNA_N
 ClientSampleId :
 RE134D2-20200608DL

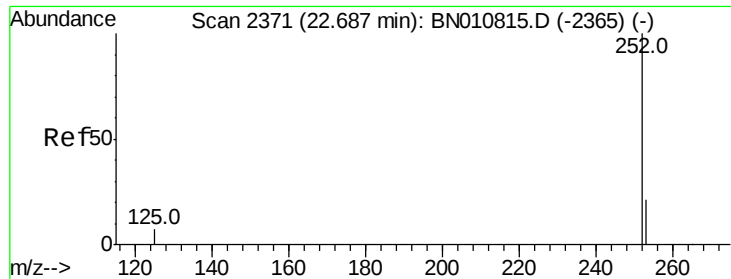
Tot Ion:264 Resp: 10645
 Ion Ratio Lower Upper
 264 100
 260 24.7 20.4 30.6
 265 76.5 75.0 112.4



#35
 Benzo(b)fluoranthene
 Concen: 0.022 ng
 RT: 22.65 min Scan# 2359
 Delta R.T. 0.01 min
 Lab File: BN010868.D
 Acq: 15 Jun 2020 11:03

Tgt Ion:252 Resp: 808
 Ion Ratio Lower Upper
 252 100
 253 80.1 22.4 33.6#
 125 60.6 9.4 14.0#

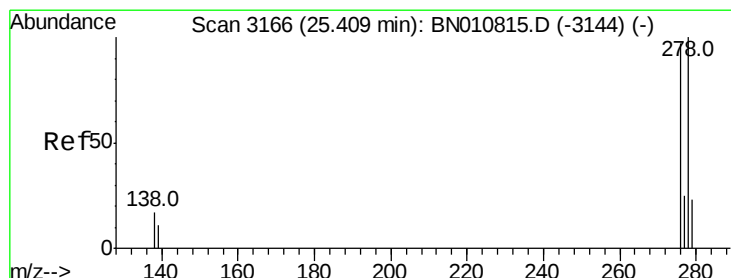
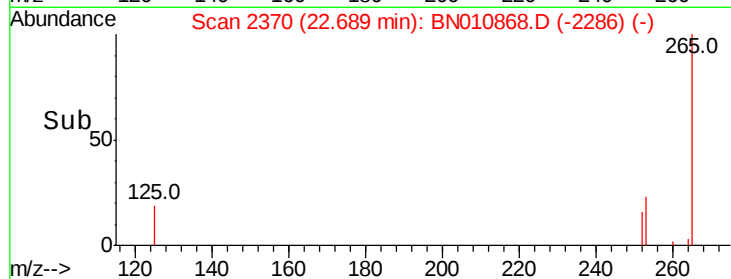
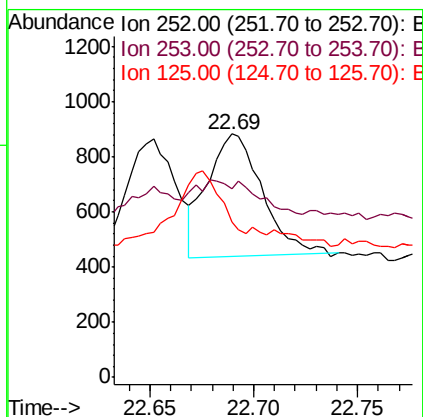
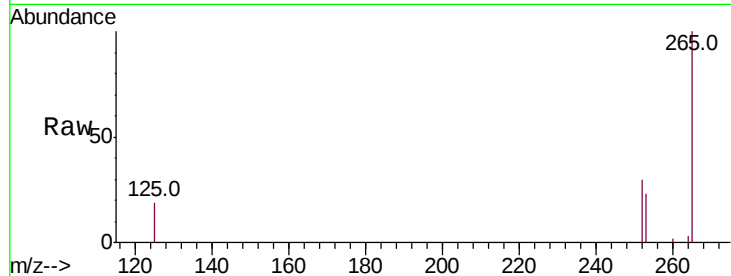




#36
Benzo(k)fluoranthene
Concen: 0.021 ng
RT: 22.69 min Scan# 2370
Delta R.T. 0.01 min
Lab File: BN010868.D
Acq: 15 Jun 2020 11:03

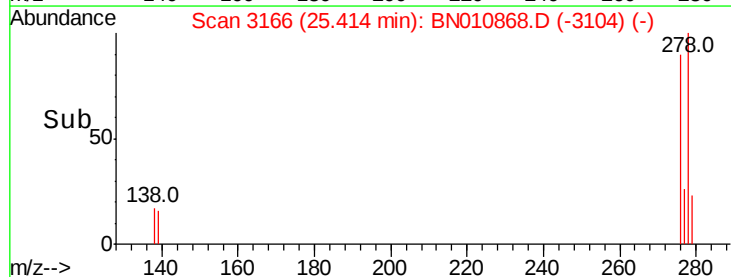
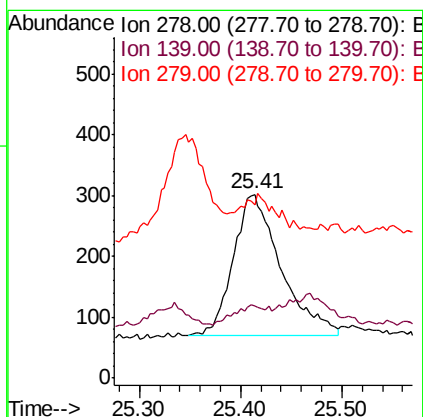
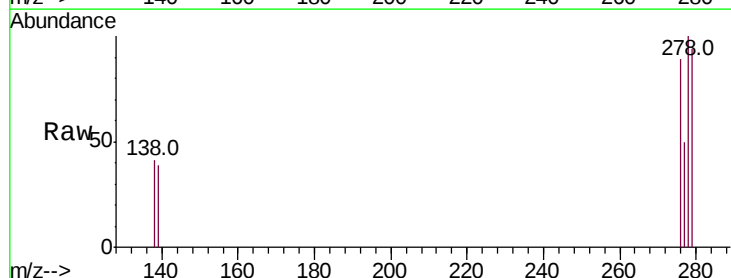
Instrument :
BNA_N
ClientSampleId :
RE134D2-20200608DL

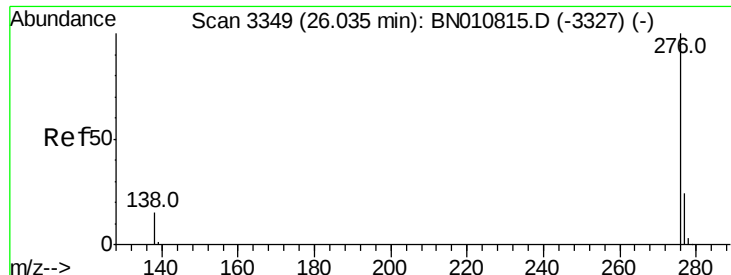
Tot Ion:252 Resp: 814
Ion Ratio Lower Upper
252 100
253 77.5 22.2 33.4#
125 63.8 9.8 14.8#



#38
Dibenzo(a,h)anthracene
Concen: 0.021 ng
RT: 25.41 min Scan# 3166
Delta R.T. 0.01 min
Lab File: BN010868.D
Acq: 15 Jun 2020 11:03

Tgt Ion:278 Resp: 760
Ion Ratio Lower Upper
278 100
139 38.9 10.6 15.8#
279 94.1 23.6 35.4#





#39

Benzo(a,h,i)perylene

Concen: 0.023 ng

RT: 26.04 min Scan# 3348

Delta R.T. 0.01 min

Lab File: BN010868.D

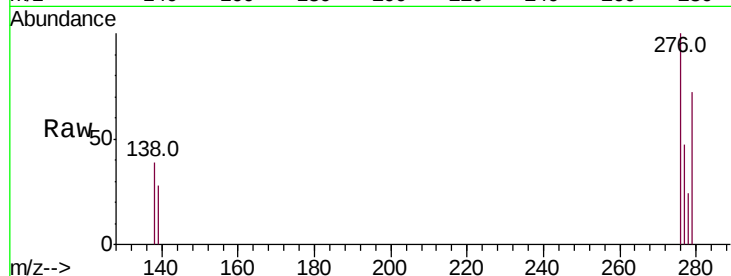
Acq: 15 Jun 2020 11:03

Instrument :

BNA_N

ClientSampleId :

RE134D2-20200608DL



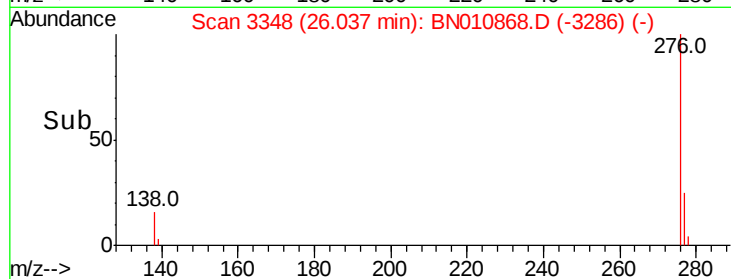
Tot Ion:276 Resp: 839

Ion Ratio Lower Upper

276 100

277 47.4 20.5 30.7#

138 39.4 13.7 20.5#



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

