

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042120\
 Data File : BN010574.D
 Acq On : 21 Apr 2020 19:46
 Operator : CG/JU
 Sample : L2338-04MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BP-HN-24S-20200414MSD

Quant Time: Apr 21 20:34:23 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN041320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 21 13:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	3199	0.40	ng	0.00
7) Naphthalene-d8	10.35	136	13604	0.40	ng	0.00
13) Acenaphthene-d10	14.21	164	8956	0.40	ng	0.00
19) Phenanthrene-d10	16.96	188	20497	0.40	ng	0.00
27) Chrysene-d12	21.17	240	19610	0.40	ng	0.00
34) Perylene-d12	23.35	264	16808	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.24	112	1299	0.19	ng	0.00
5) Phenol-d6	6.79	99	1046	0.11	ng	0.00
8) Nitrobenzene-d5	8.73	82	3865	0.41	ng	0.00
11) 2-Methylnaphthalene-d10	11.95	152	8538	0.38	ng	0.00
14) 2,4,6-Tribromophenol	15.72	330	1729	0.41	ng	0.00
15) 2-Fluorobiphenyl	12.84	172	14063	0.43	ng	0.00
25) Fluoranthene-d10	19.00	212	24592	0.40	ng	0.00
29) Terphenyl-d14	19.61	244	23858	0.53	ng	0.00

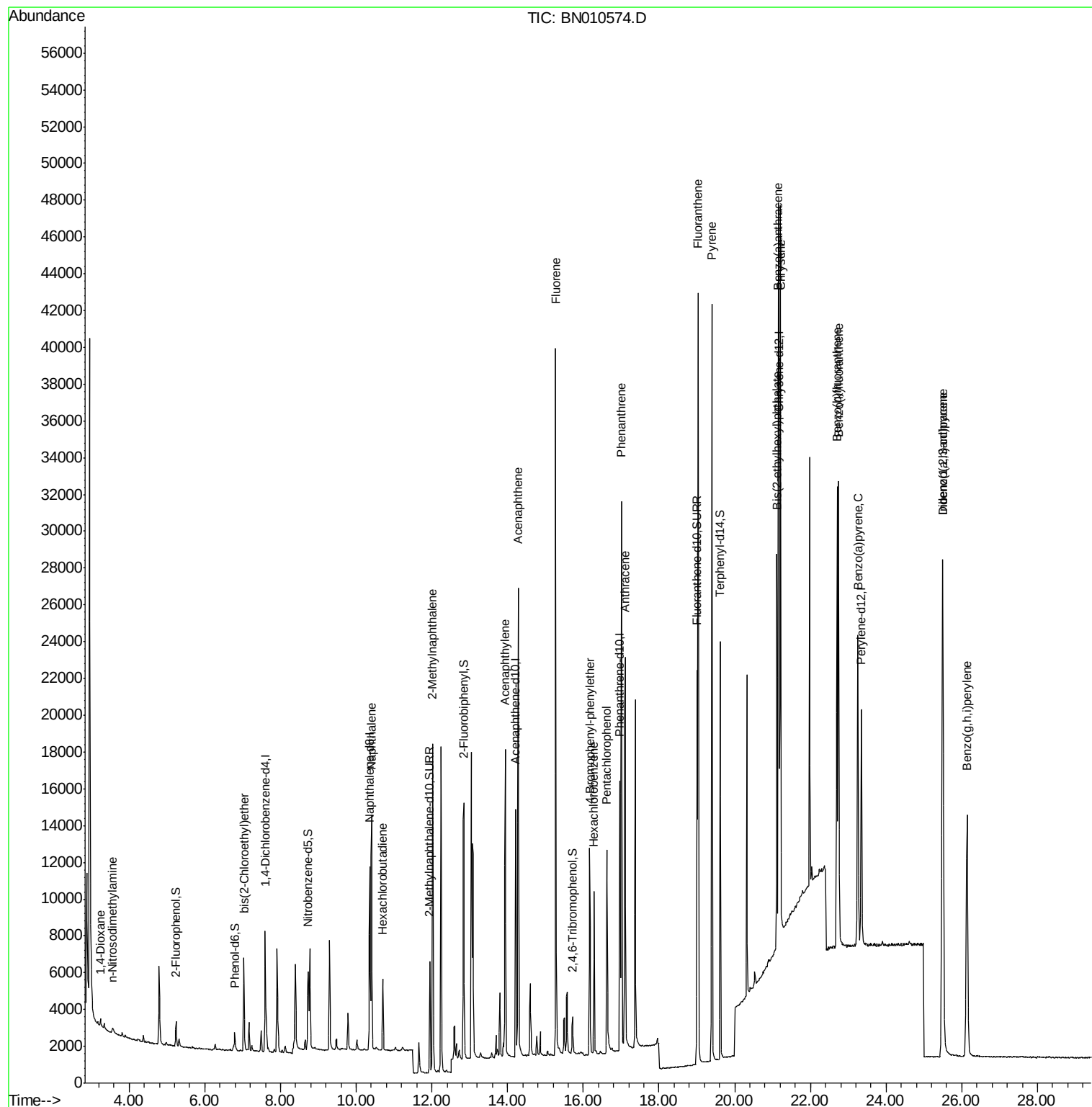
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.24	88	338	0.144	ng	# 69
3) n-Nitrosodimethylamine	3.55	42	354	0.232	ng	# 81
6) bis(2-Chloroethyl)ether	7.03	93	4341	0.547	ng	99
9) Naphthalene	10.41	128	17685	0.523	ng	99
10) Hexachlorobutadiene	10.70	225	3544	0.435	ng	# 99
12) 2-Methylnaphthalene	12.02	142	13106	0.540	ng	97
16) Acenaphthylene	13.93	152	19381	0.501	ng	100
17) Acenaphthene	14.28	154	13055	0.525	ng	99
18) Fluorene	15.27	166	17380	0.534	ng	100
20) 4-Bromophenyl-phenylether	16.17	248	5639	0.495	ng	# 80
21) Hexachlorobenzene	16.28	284	6653	0.512	ng	99
22) Pentachlorophenol	16.62	266	6612	1.293	ng	97
23) Phenanthrene	17.01	178	30149	0.545	ng	100
24) Anthracene	17.10	178	24952	0.493	ng	99
26) Fluoranthene	19.03	202	37960	0.551	ng	99
28) Pyrene	19.40	202	38627	0.585	ng	99
30) Benzo(a)anthracene	21.15	228	33408	0.522	ng	99
31) Chrysene	21.21	228	34182	0.536	ng	99
32) Bis(2-ethylhexyl)phthalate	21.11	149	19444	0.592	ng	99
33) Indeno(1,2,3-cd)pyrene	25.49	276	31997	0.568	ng	99
35) Benzo(b)fluoranthene	22.70	252	31050	0.561	ng	99
36) Benzo(k)fluoranthene	22.75	252	30377	0.548	ng	99
37) Benzo(a)pyrene	23.25	252	24050	0.491	ng	98
38) Dibenzo(a,h)anthracene	25.50	278	26125	0.583	ng	98
39) Benzo(g,h,i)perylene	26.14	276	27145	0.602	ng	99

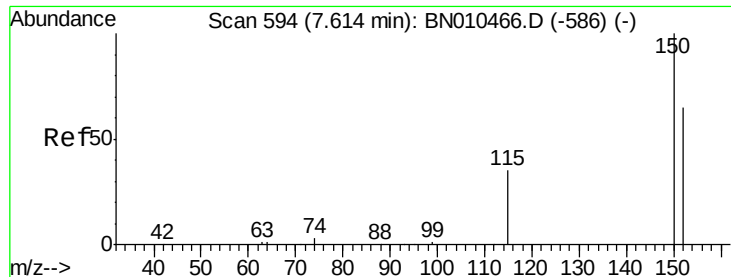
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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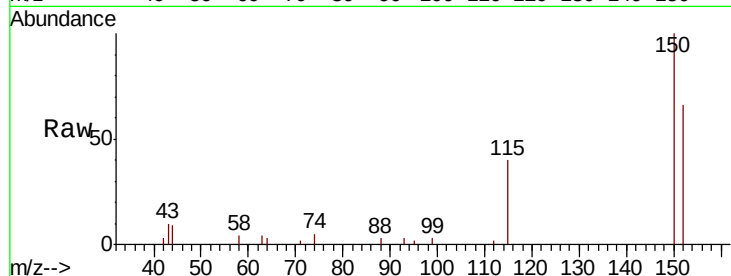


#1

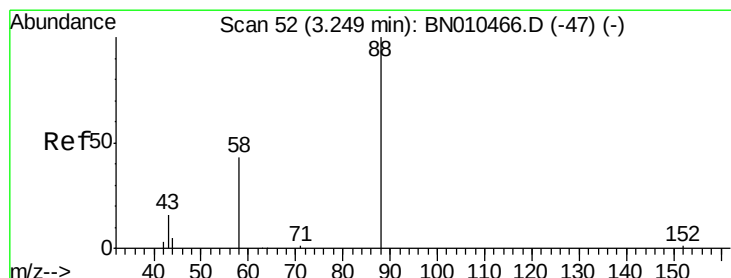
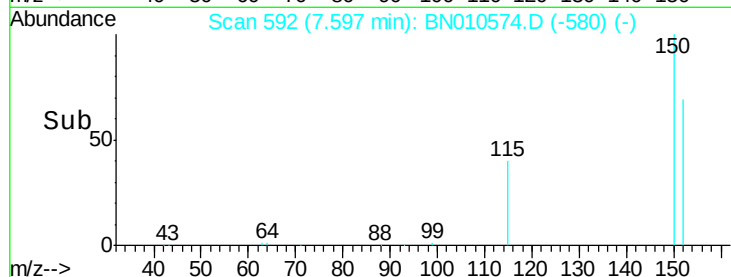
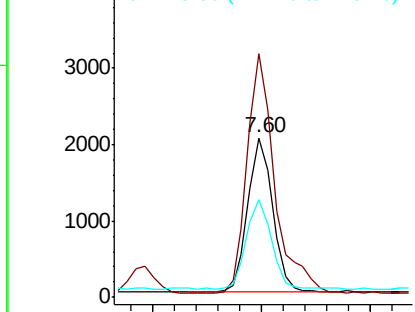
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.60 min Scan# 592
Delta R.T. 0.00 min
Lab File: BN010574.D
Acq: 21 Apr 2020 19:46

Instrument :
BNA_N
ClientSampleId :
BP-HN-24S-20200414MSD

Tot Ion:152 Resp: 3199
Ion Ratio Lower Upper
152 100
150 152.5 121.8 182.6
115 61.5 45.5 68.3



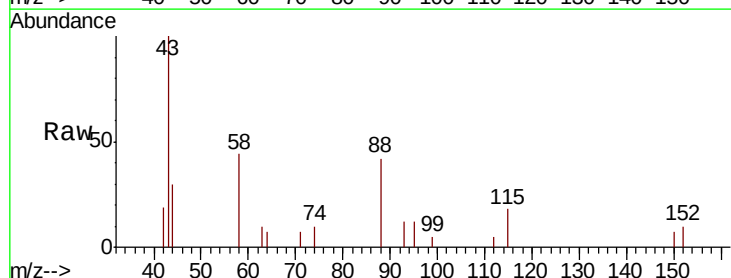
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



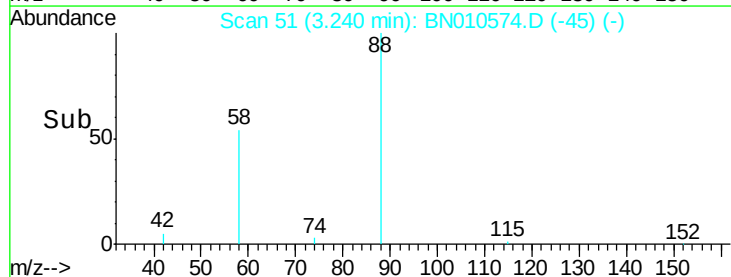
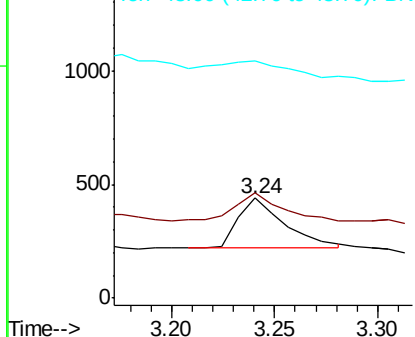
#2

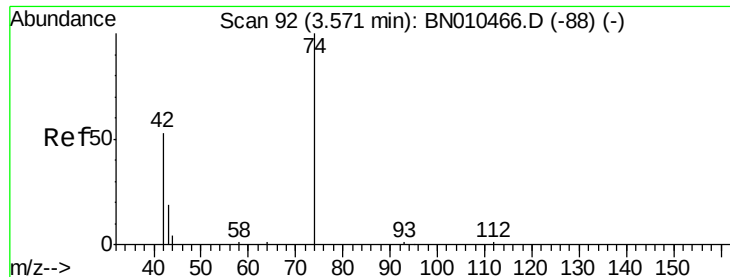
1,4-Dioxane
Concen: 0.144 ng
RT: 3.24 min Scan# 51
Delta R.T. 0.00 min
Lab File: BN010574.D
Acq: 21 Apr 2020 19:46

Tgt Ion: 88 Resp: 338
Ion Ratio Lower Upper
88 100
58 58.3 36.5 54.7#
43 44.1 13.2 19.8#



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





#3

n-Nitrosodimethylamine

Concen: 0.232 ng

RT: 3.55 min Scan# 90

Delta R.T. -0.01 min

Lab File: BN010574.D

Acq: 21 Apr 2020 19:46

Instrument :

BNA_N

ClientSampleId :

BP-HN-24S-20200414MSD

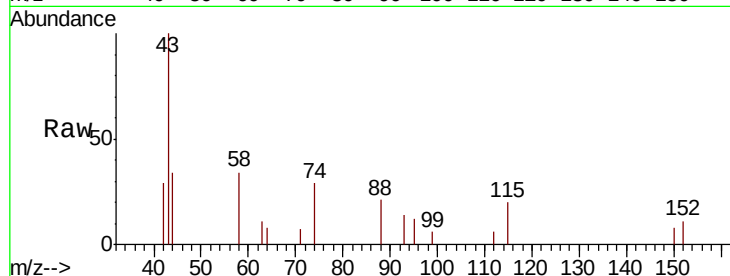
Tot Ion: 42 Resp: 354

Ion Ratio Lower Upper

42 100

74 173.7 162.2 243.4

44 5.4 2.4 3.6#

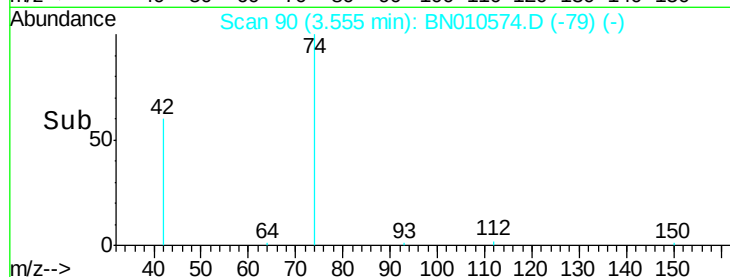


Abundance Ion 42.00 (41.70 to 42.70): BN010466.D (-88) (-)

Ion 74.00 (73.70 to 74.70): BN010466.D (-88) (-)

Ion 44.00 (43.70 to 44.70): BN010466.D (-88) (-)

Time-->

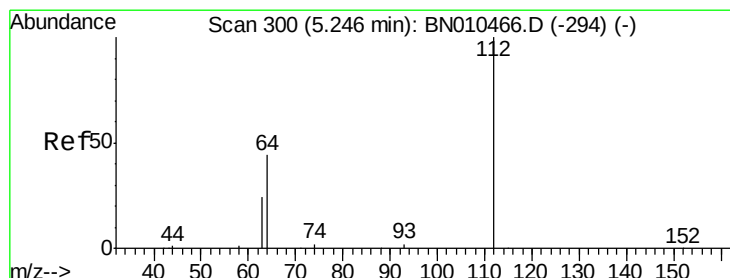


Abundance Ion 42.00 (41.70 to 42.70): BN010574.D (-79) (-)

Ion 74.00 (73.70 to 74.70): BN010574.D (-79) (-)

Ion 44.00 (43.70 to 44.70): BN010574.D (-79) (-)

Time-->



#4

2-Fluorophenol

Concen: 0.185 ng

RT: 5.24 min Scan# 299

Delta R.T. 0.00 min

Lab File: BN010574.D

Acq: 21 Apr 2020 19:46

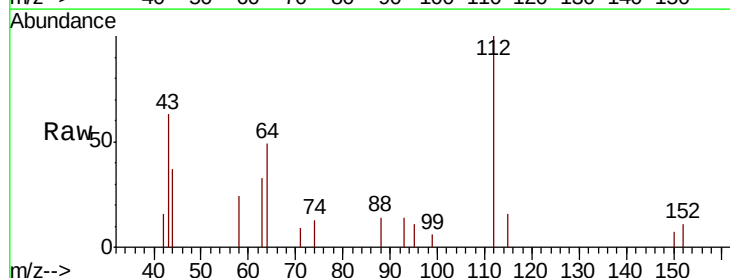
Tgt Ion: 112 Resp: 1299

Ion Ratio Lower Upper

112 100

64 44.0 35.8 53.8

63 24.2 19.9 29.9

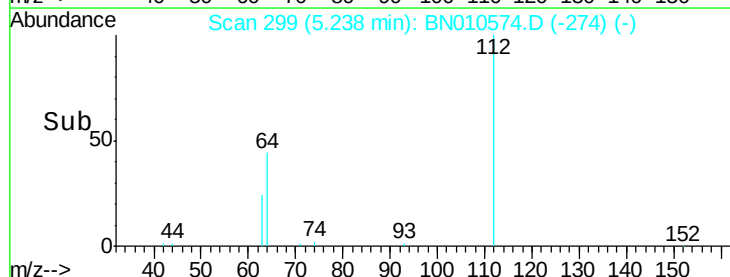


Abundance Ion 112.00 (111.70 to 112.70): BN010466.D (-294) (-)

Ion 64.00 (63.70 to 64.70): BN010466.D (-294) (-)

Ion 63.00 (62.70 to 63.70): BN010466.D (-294) (-)

Time-->

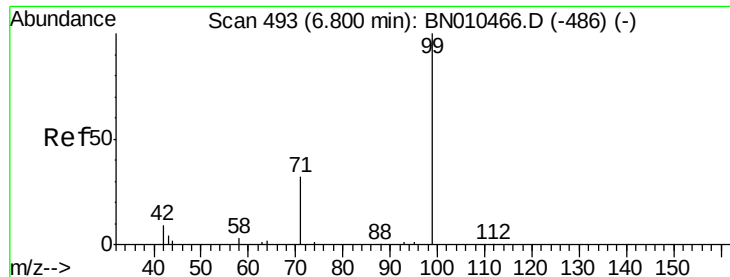


Abundance Ion 112.00 (111.70 to 112.70): BN010574.D (-274) (-)

Ion 64.00 (63.70 to 64.70): BN010574.D (-274) (-)

Ion 63.00 (62.70 to 63.70): BN010574.D (-274) (-)

Time-->



#5

Phenol-d6

Concen: 0.114 ng

RT: 6.79 min Scan# 492

Delta R.T. 0.01 min

Lab File: BN010574.D

Acq: 21 Apr 2020 19:46

Instrument :

BNA_N

ClientSampleId :

BP-HN-24S-20200414MSD

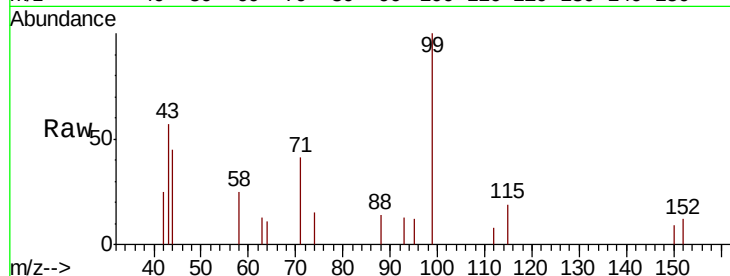
Tot Ion: 99 Resp: 1046

Ion Ratio Lower Upper

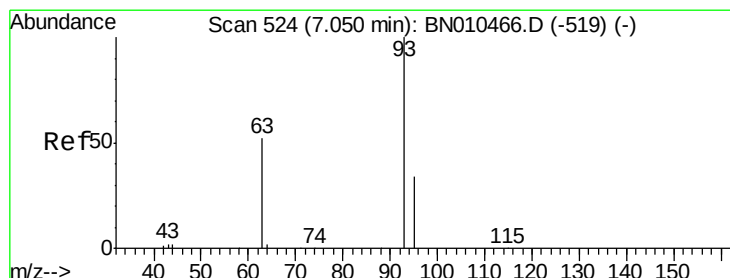
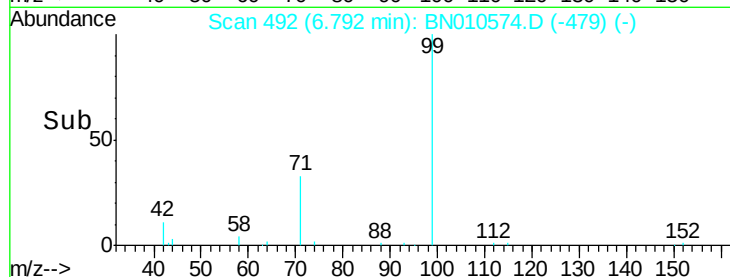
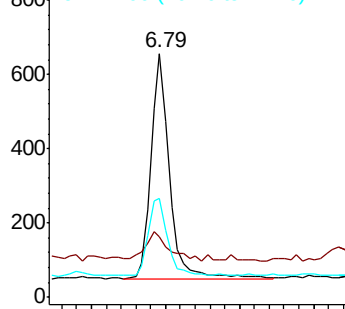
99 100

42 15.7 9.8 14.6#

71 36.2 27.8 41.8



Abundance Ion 99.00 (98.70 to 99.70): BN010574.D (-479) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.547 ng

RT: 7.03 min Scan# 522

Delta R.T. 0.00 min

Lab File: BN010574.D

Acq: 21 Apr 2020 19:46

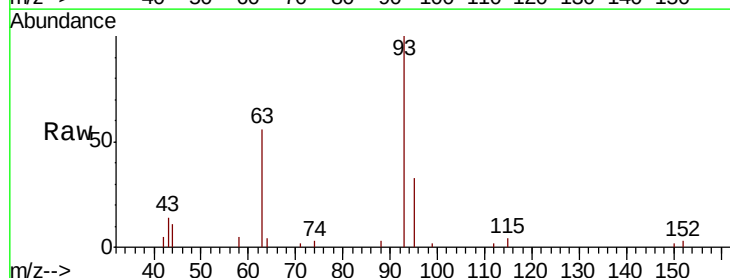
Tgt Ion: 93 Resp: 4341

Ion Ratio Lower Upper

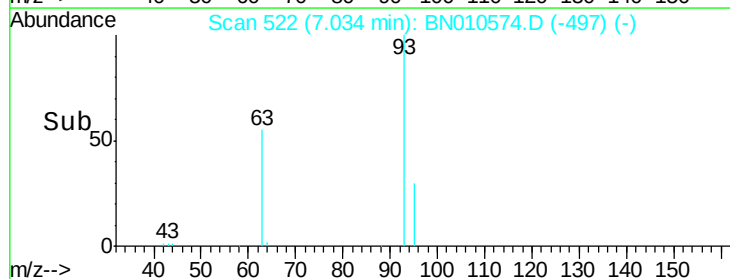
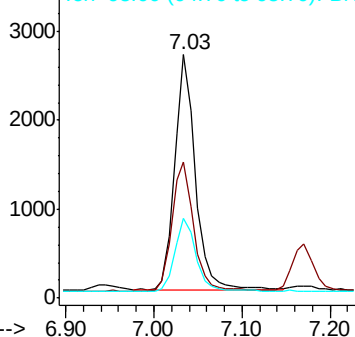
93 100

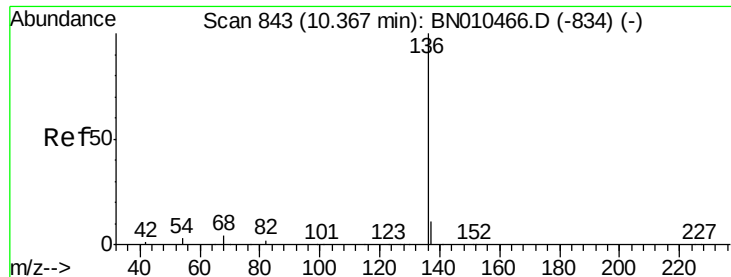
63 56.6 44.6 66.8

95 33.1 26.5 39.7



Abundance Ion 93.00 (92.70 to 93.70): BN010574.D (-497) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.35 min Scan# 842

Delta R.T. 0.00 min

Lab File: BN010574.D

Acq: 21 Apr 2020 19:46

Instrument :

BNA_N

ClientSampleId :

BP-HN-24S-20200414MSD

Tot Ion:136 Resp: 13604

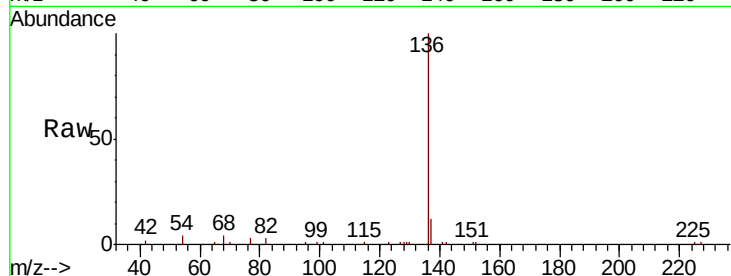
Ion Ratio Lower Upper

136 100

137 11.7 8.9 13.3

54 3.5 2.6 4.0

68 4.2 3.4 5.2

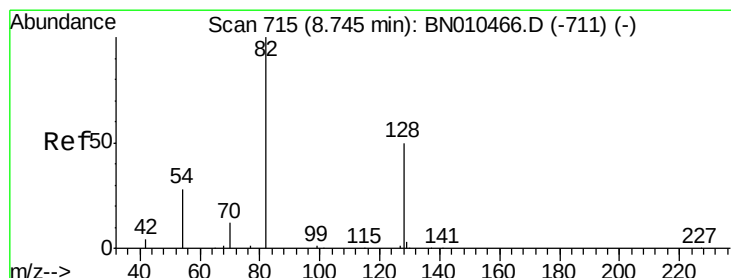
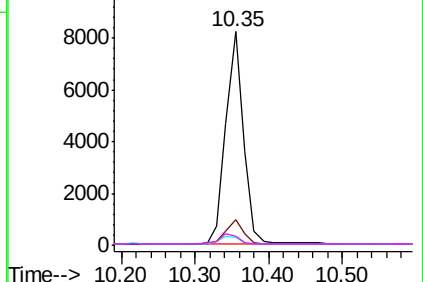
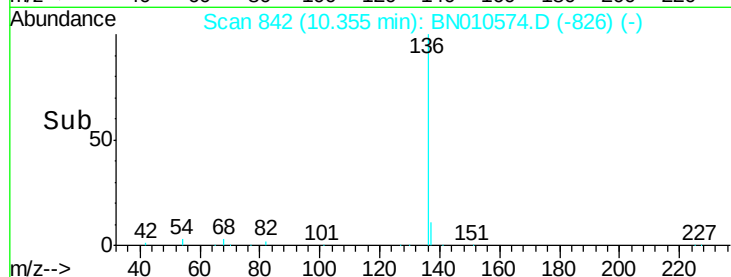


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.406 ng

RT: 8.73 min Scan# 714

Delta R.T. 0.00 min

Lab File: BN010574.D

Acq: 21 Apr 2020 19:46

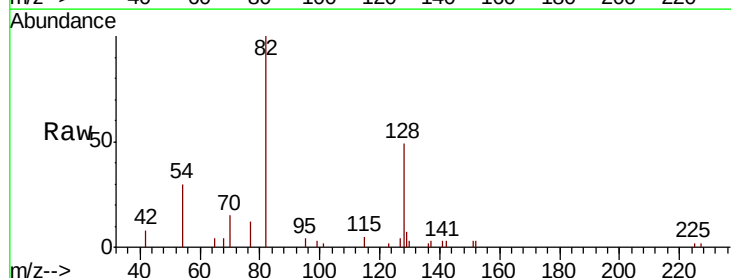
Tgt Ion: 82 Resp: 3865

Ion Ratio Lower Upper

82 100

128 49.1 41.3 61.9

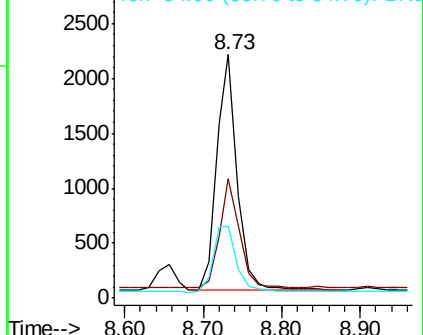
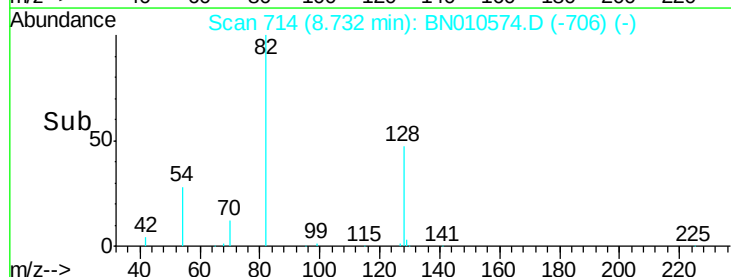
54 29.7 23.4 35.0

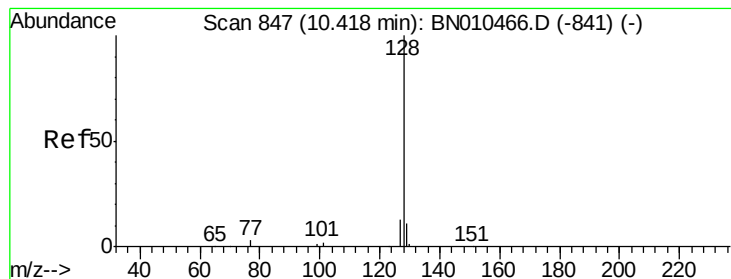


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.523 ng

RT: 10.41 min Scan# 846

Delta R.T. 0.00 min

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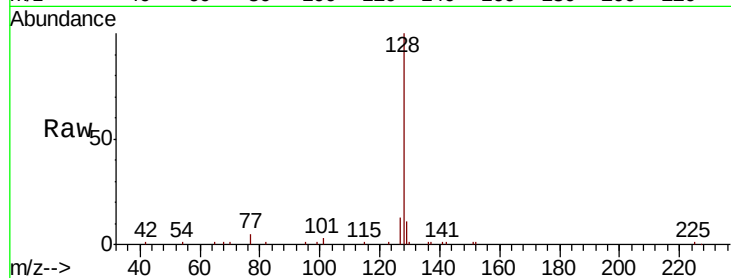
Tot Ion:128 Resp: 17685

Ion Ratio Lower Upper

128 100

129 11.4 9.3 13.9

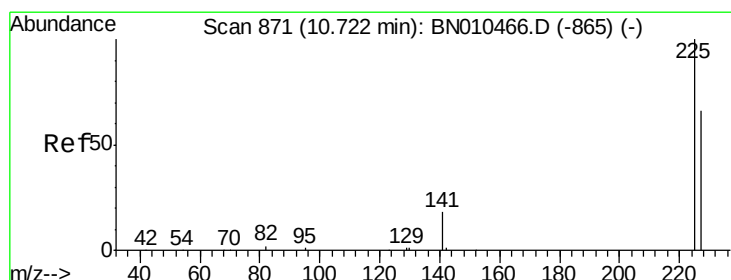
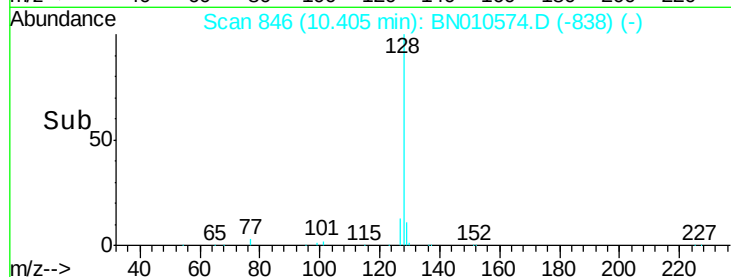
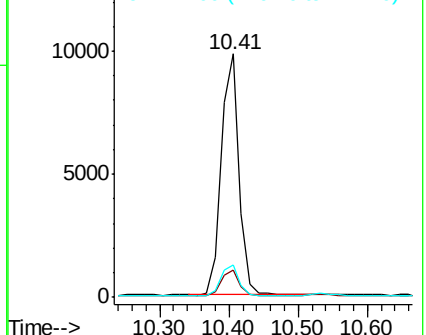
127 13.4 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.435 ng

RT: 10.70 min Scan# 869

Delta R.T. 0.00 min

Lab File: BN010574.D

Acq: 21 Apr 2020 19:46

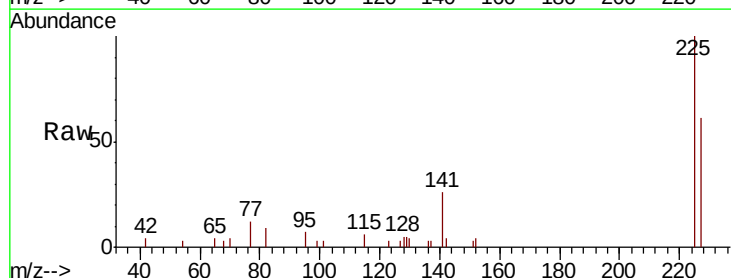
Tgt Ion:225 Resp: 3544

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

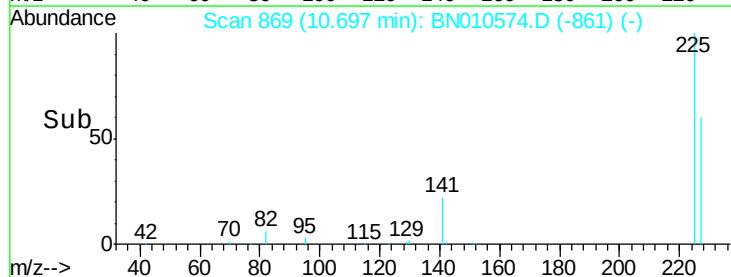
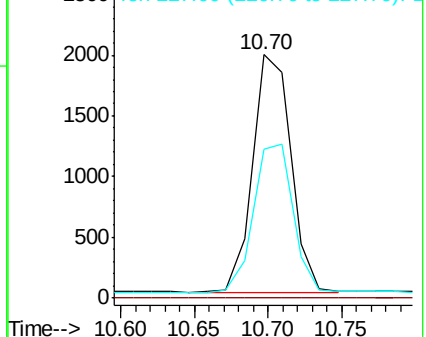
227 64.3 50.6 76.0

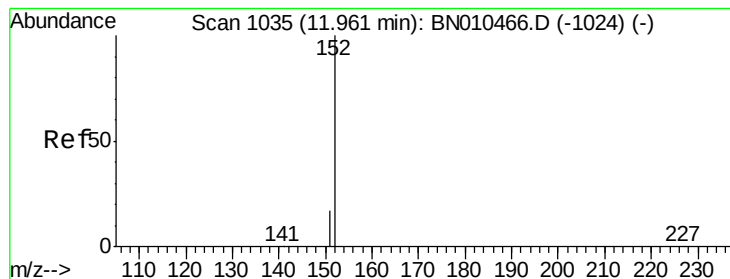


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.382 ng

RT: 11.95 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BN010574.D

Acq: 21 Apr 2020 19:46

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ClientSampleId :

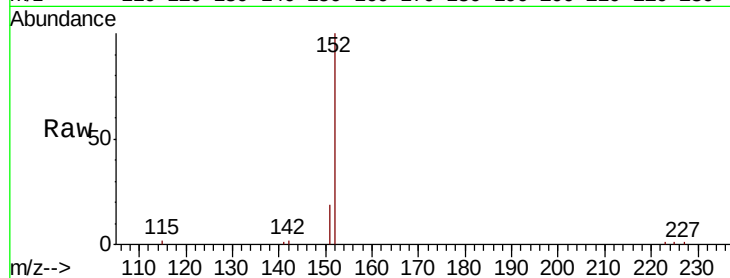
BP-HN-24S-20200414MSD

Tot Ion:152 Resp: 8538

Ion Ratio Lower Upper

152 100

151 19.4 15.3 22.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

11.95

6000

5000

4000

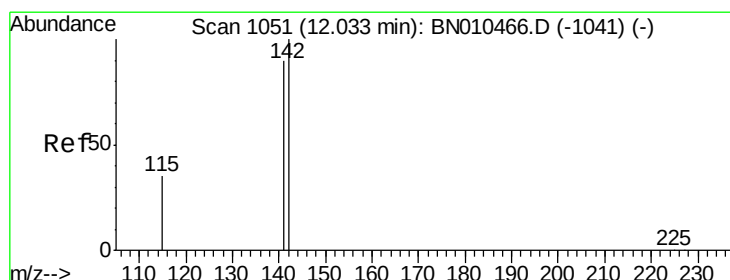
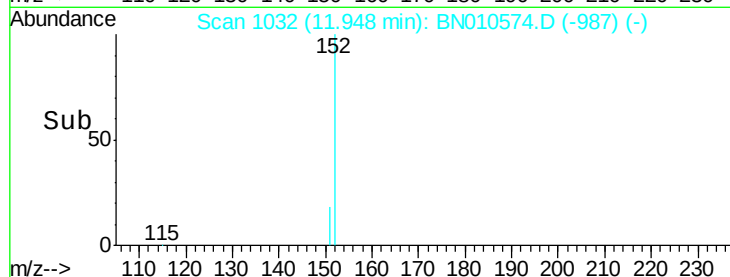
3000

2000

1000

0

Time-->



#12

2-Methylnaphthalene

Concen: 0.540 ng

RT: 12.02 min Scan# 1049

Delta R.T. 0.00 min

Lab File: BN010574.D

Acq: 21 Apr 2020 19:46

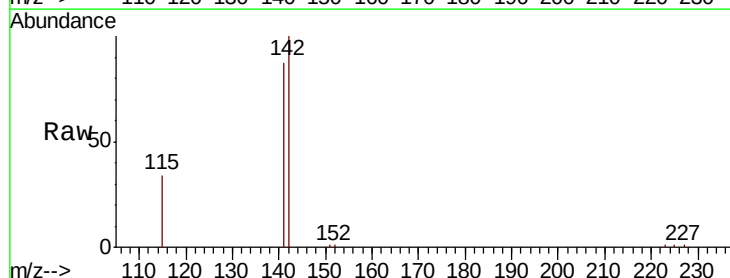
Tgt Ion:142 Resp: 13106

Ion Ratio Lower Upper

142 100

141 87.0 71.9 107.9

115 34.5 28.8 43.2



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

12.02

10000

8000

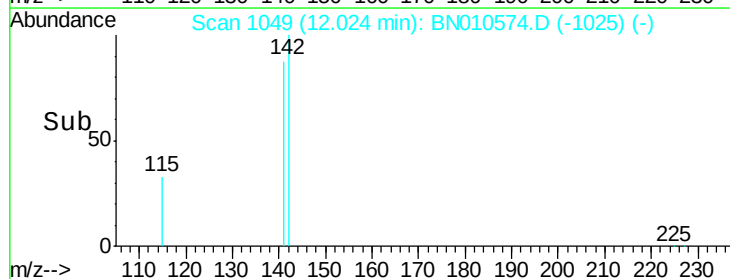
6000

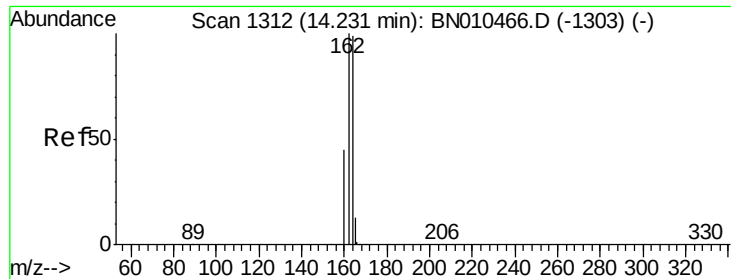
4000

2000

0

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.21 min Scan# 1311

Delta R.T. 0.00 min

Lab File: BN010574.D

Acq: 21 Apr 2020 19:46

Instrument :

BNA_N

ClientSampleId :

BP-HN-24S-20200414MSD

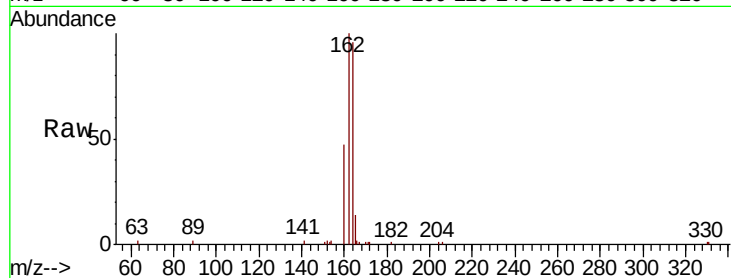
Tot Ion:164 Resp: 8956

Ion Ratio Lower Upper

164 100

162 104.2 80.6 121.0

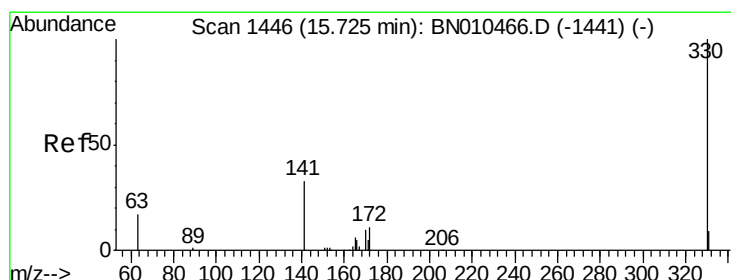
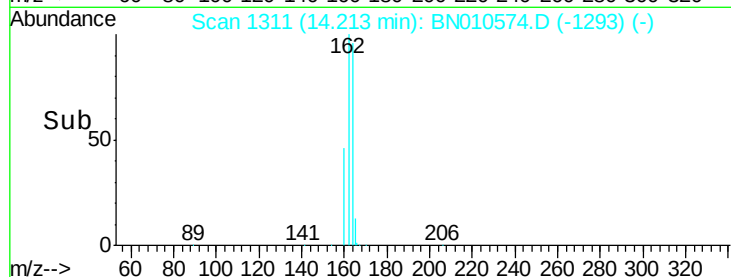
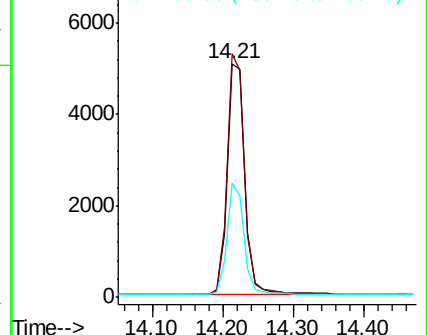
160 48.7 36.5 54.7



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: 0.410 ng

RT: 15.72 min Scan# 1446

Delta R.T. 0.00 min

Lab File: BN010574.D

Acq: 21 Apr 2020 19:46

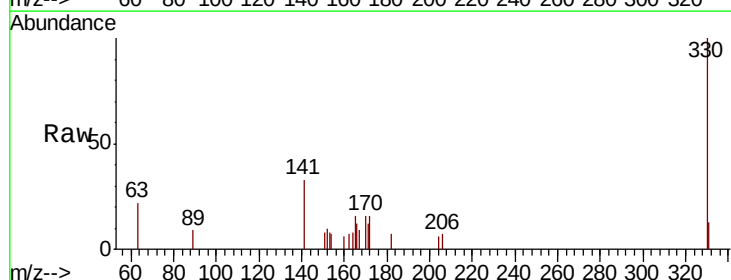
Tgt Ion:330 Resp: 1729

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

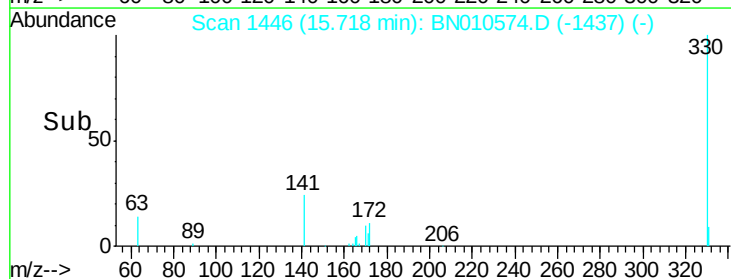
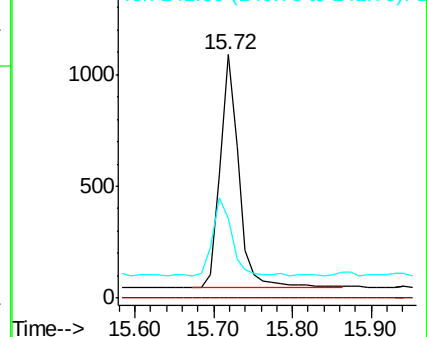
141 34.4 28.1 42.1

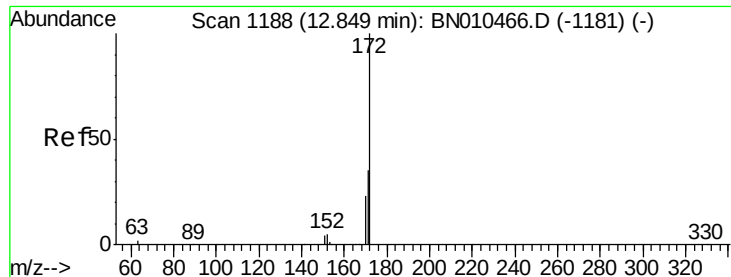


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

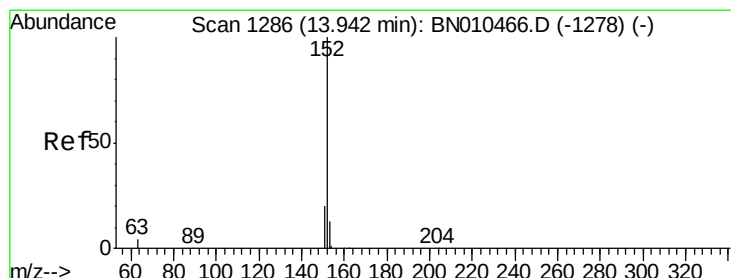
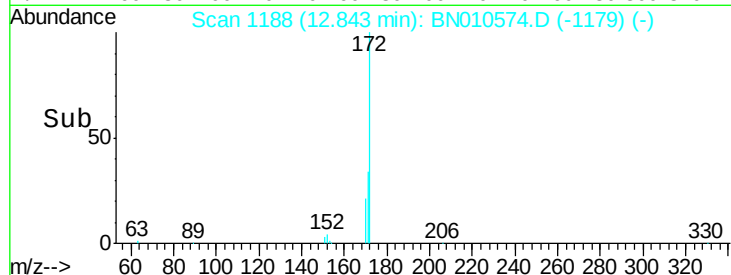
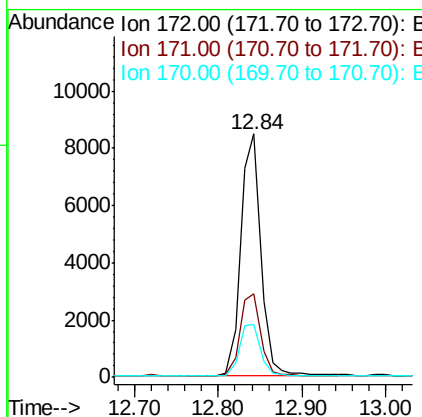
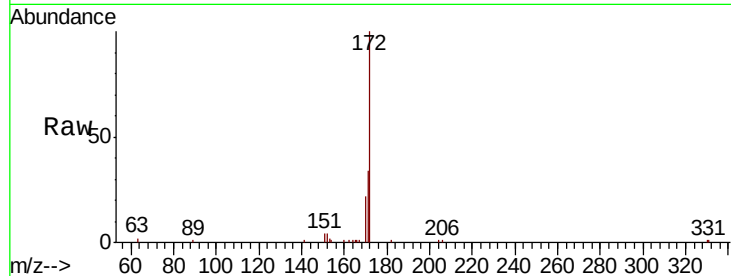




#15
2-Fluorobiphenyl
Concen: 0.431 ng
RT: 12.84 min Scan# 1188
Delta R.T. 0.00 min
Lab File: BN010574.D
Acq: 21 Apr 2020 19:46

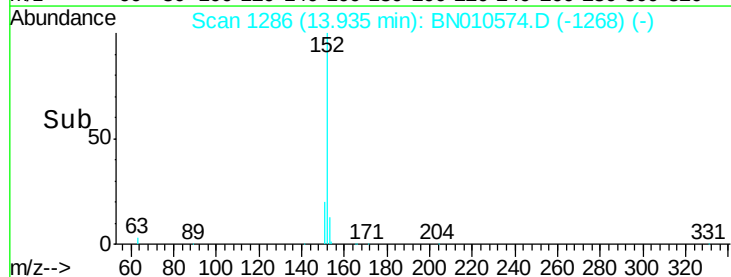
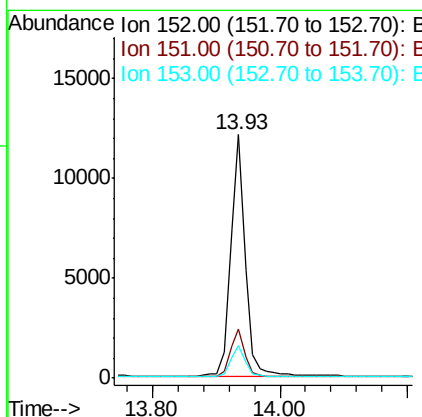
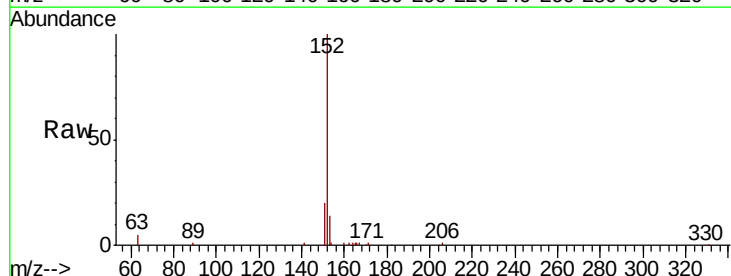
Instrument :
BNA_N
ClientSampleId :
BP-HN-24S-20200414MSD

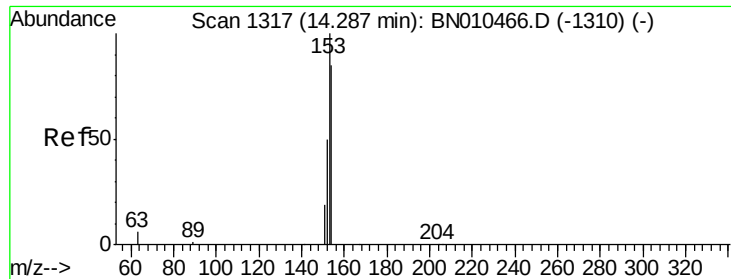
Tot Ion:172 Resp: 14063
Ion Ratio Lower Upper
172 100
171 34.3 28.2 42.2
170 21.8 18.4 27.6



#16
Acenaphthylene
Concen: 0.501 ng
RT: 13.93 min Scan# 1286
Delta R.T. 0.00 min
Lab File: BN010574.D
Acq: 21 Apr 2020 19:46

Tgt Ion:152 Resp: 19381
Ion Ratio Lower Upper
152 100
151 19.7 15.7 23.5
153 13.1 10.6 15.8





#17

Acenaphthene

Concen: 0.525 ng

RT: 14.28 min Scan# 1317

Delta R.T. 0.00 min

Lab File: BN010574.D

Acq: 21 Apr 2020 19:46

Instrument :

BNA_N

ClientSampleId :

BP-HN-24S-20200414MSD

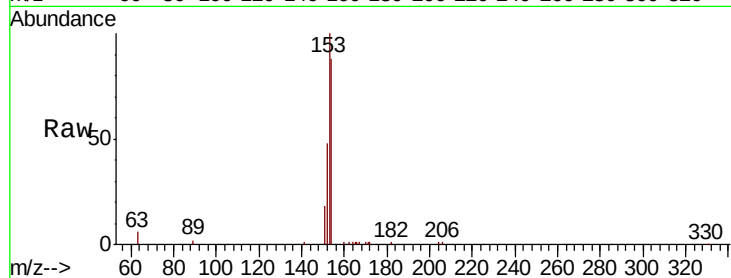
Tot Ion:154 Resp: 13055

Ion Ratio Lower Upper

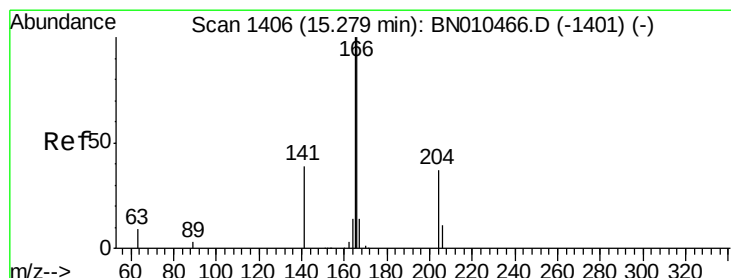
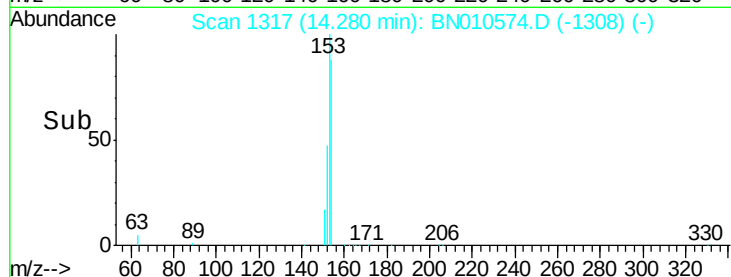
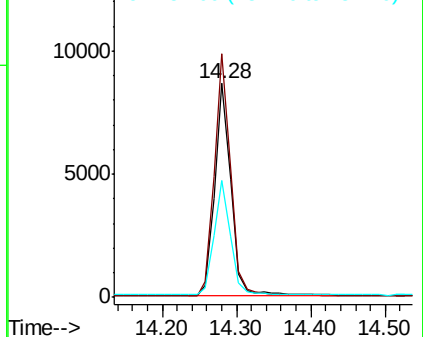
154 100

153 113.2 91.0 136.4

152 54.5 44.6 67.0



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.534 ng

RT: 15.27 min Scan# 1406

Delta R.T. 0.00 min

Lab File: BN010574.D

Acq: 21 Apr 2020 19:46

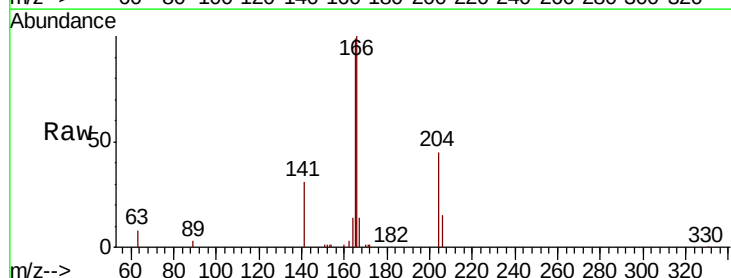
Tgt Ion:166 Resp: 17380

Ion Ratio Lower Upper

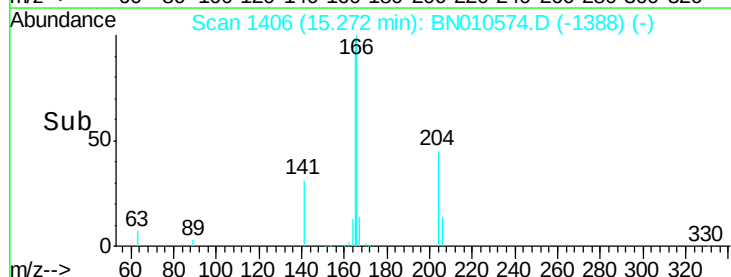
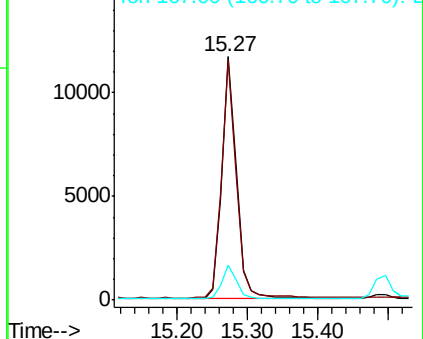
166 100

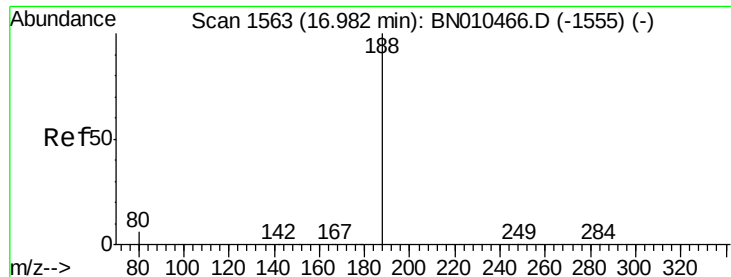
165 98.0 78.4 117.6

167 13.6 10.9 16.3



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.96 min Scan# 1562

Delta R.T. 0.00 min

Lab File: BN010574.D

Acq: 21 Apr 2020 19:46

Instrument :

BNA_N

ClientSampleId :

BP-HN-24S-20200414MSD

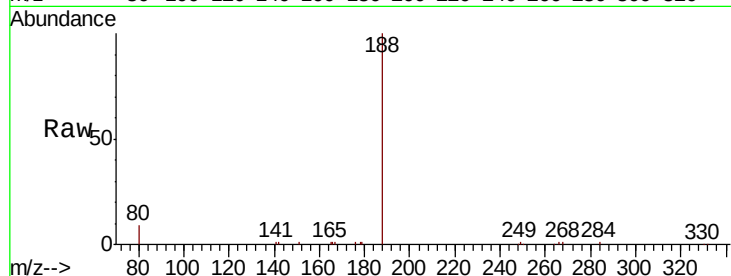
Tot Ion:188 Resp: 20497

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

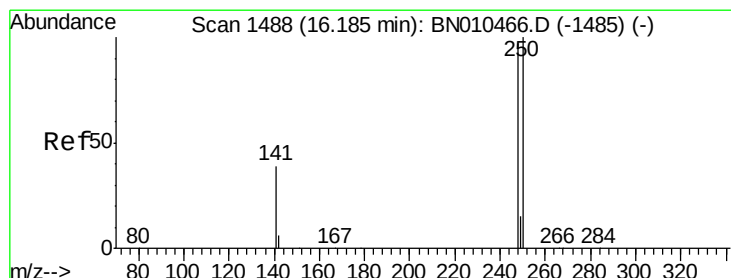
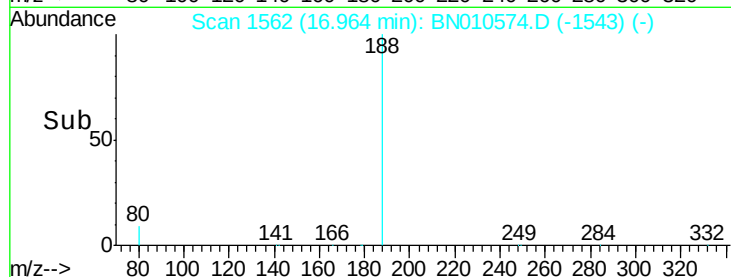
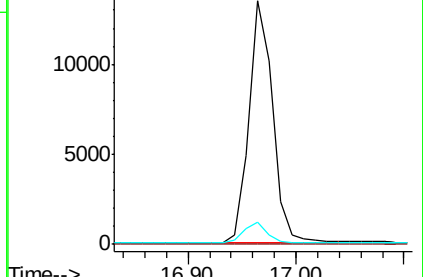
80 9.2 5.0 7.6#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNO

Ion 80.00 (79.70 to 80.70): BNO



#20

4-Bromophenyl-phenylether

Concen: 0.495 ng

RT: 16.17 min Scan# 1487

Delta R.T. 0.00 min

Lab File: BN010574.D

Acq: 21 Apr 2020 19:46

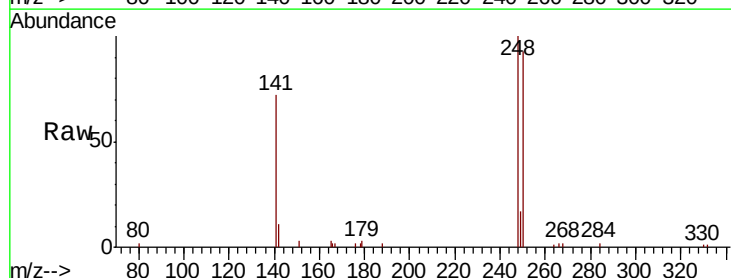
Tgt Ion:248 Resp: 5639

Ion Ratio Lower Upper

248 100

250 93.0 82.3 123.5

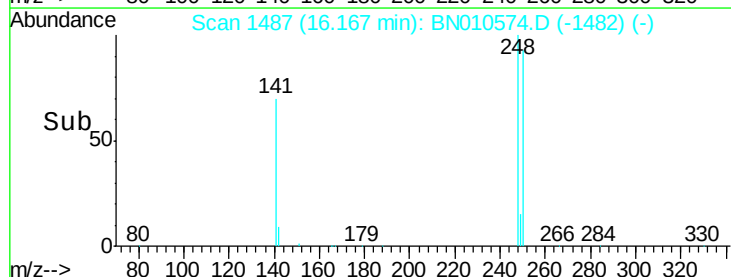
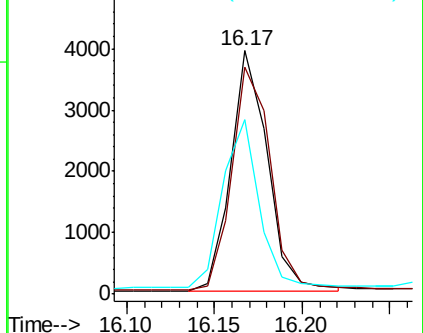
141 71.6 35.2 52.8#

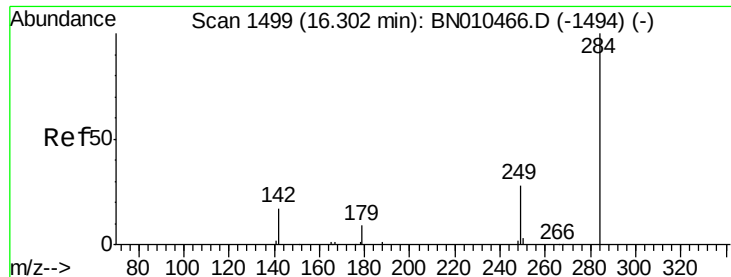


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.512 ng

RT: 16.28 min Scan# 1498

Delta R.T. 0.00 min

Lab File: BN010574.D

Acq: 21 Apr 2020 19:46

Instrument :

BNA_N

ClientSampleId :

BP-HN-24S-20200414MSD

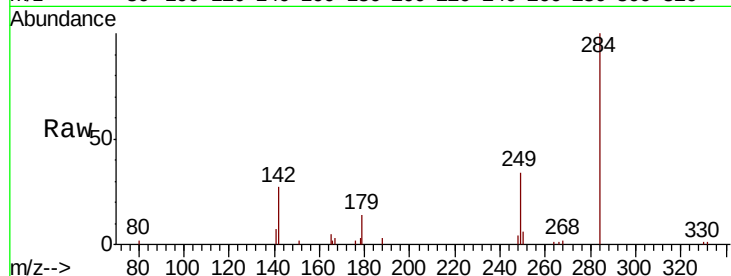
Tot Ion:284 Resp: 6653

Ion Ratio Lower Upper

284 100

142 32.5 25.5 38.3

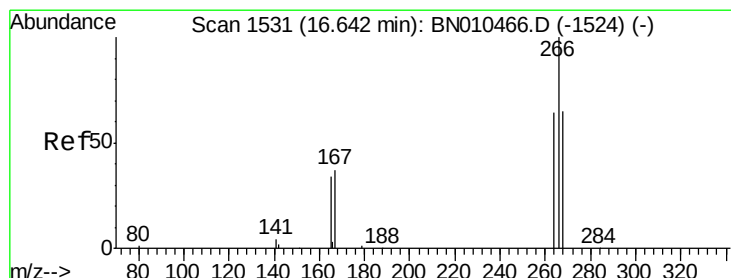
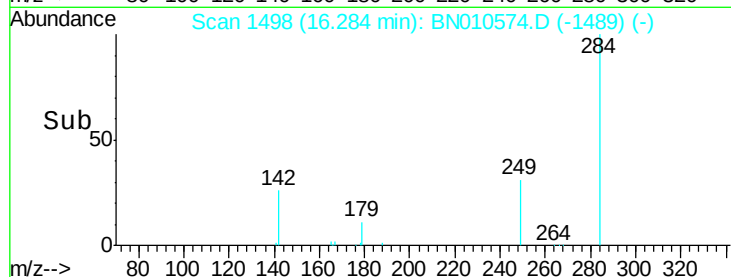
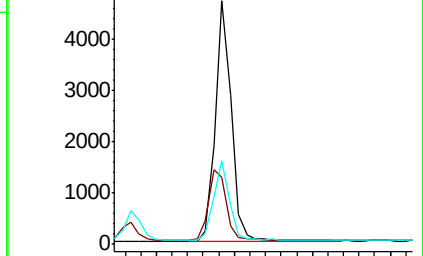
249 32.9 25.8 38.6



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



#22

Pentachlorophenol

Concen: 1.293 ng

RT: 16.62 min Scan# 1530

Delta R.T. -0.01 min

Lab File: BN010574.D

Acq: 21 Apr 2020 19:46

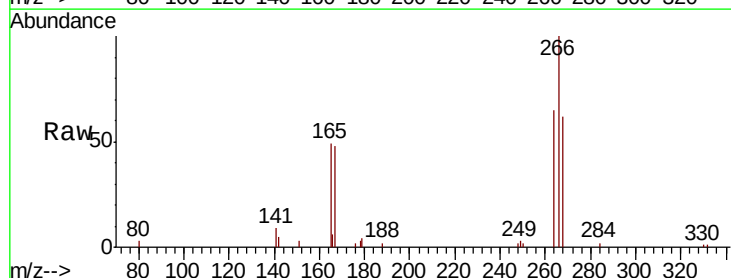
Tgt Ion:266 Resp: 6612

Ion Ratio Lower Upper

266 100

264 64.8 51.8 77.6

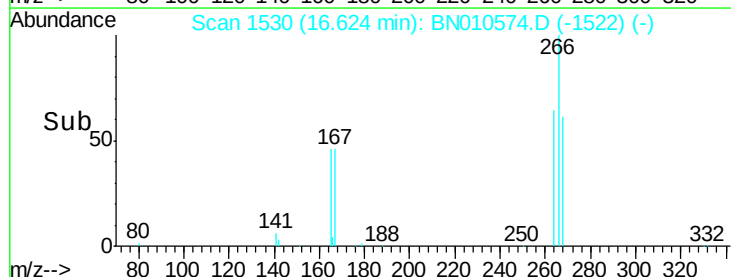
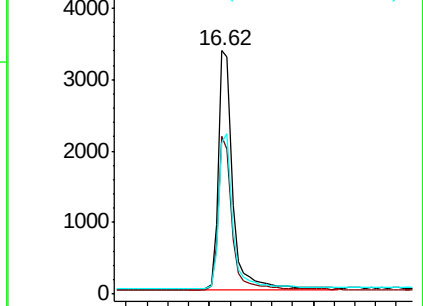
268 62.2 53.7 80.5

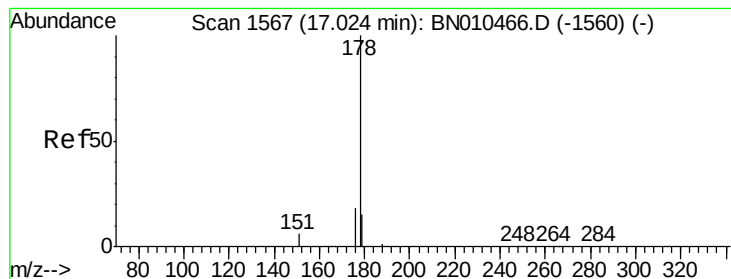


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.545 ng

RT: 17.01 min Scan# 1566

Delta R.T. 0.00 min

Lab File: BN010574.D

Acq: 21 Apr 2020 19:46

Instrument :

BNA_N

ClientSampleId :

BP-HN-24S-20200414MSD

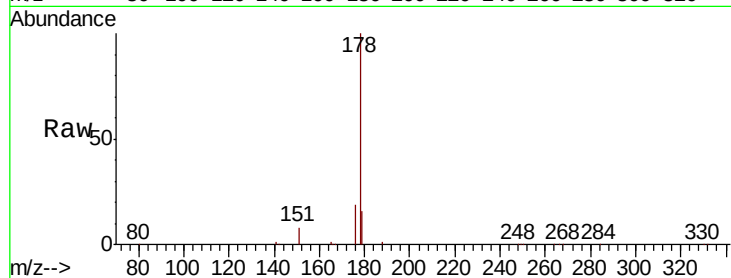
Tot Ion:178 Resp: 30149

Ion Ratio Lower Upper

178 100

176 18.6 15.0 22.4

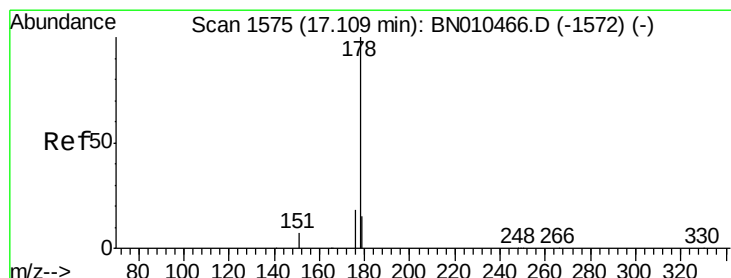
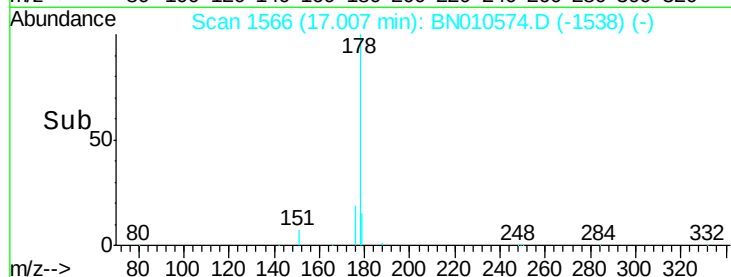
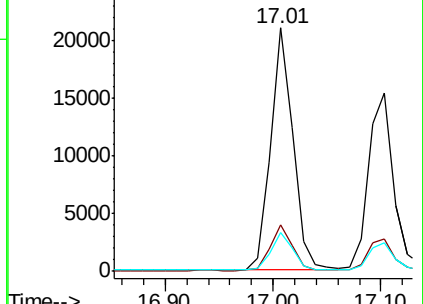
179 15.6 12.6 18.8



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



#24

Anthracene

Concen: 0.493 ng

RT: 17.10 min Scan# 1575

Delta R.T. 0.00 min

Lab File: BN010574.D

Acq: 21 Apr 2020 19:46

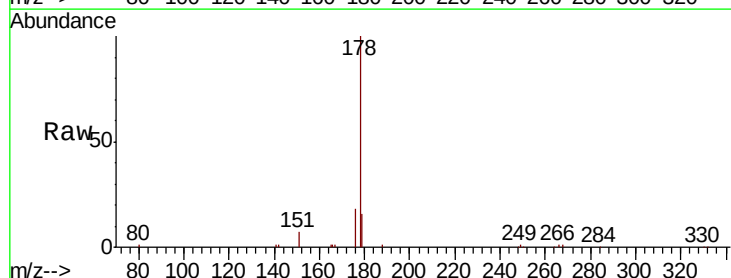
Tgt Ion:178 Resp: 24952

Ion Ratio Lower Upper

178 100

176 18.1 14.6 21.8

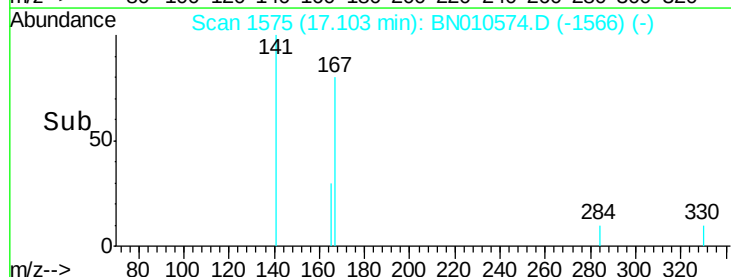
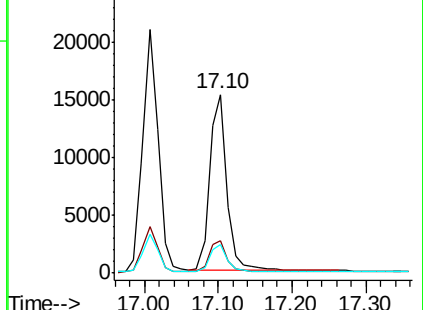
179 14.8 12.2 18.2

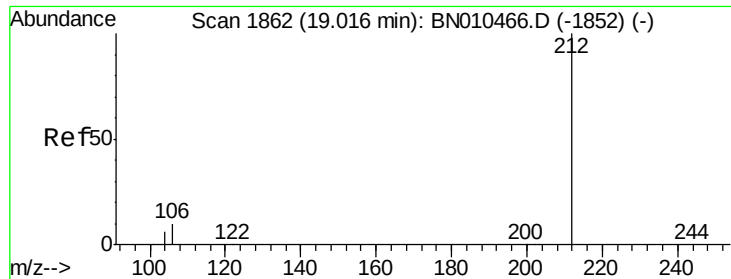


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.396 ng

RT: 19.00 min Scan# 1861

Delta R.T. 0.00 min

Lab File: BN010574.D

Acq: 21 Apr 2020 19:46

Instrument :

BNA_N

ClientSampleId :

BP-HN-24S-20200414MSD

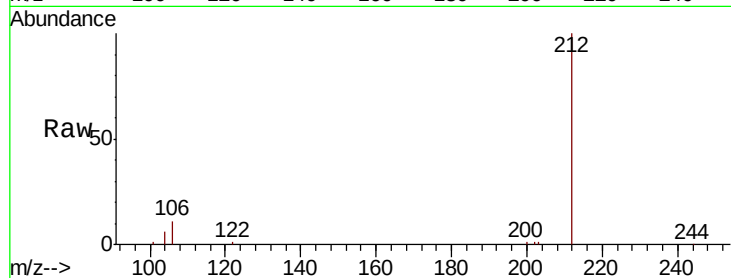
Tot Ion:212 Resp: 24592

Ion Ratio Lower Upper

212 100

106 10.1 7.8 11.6

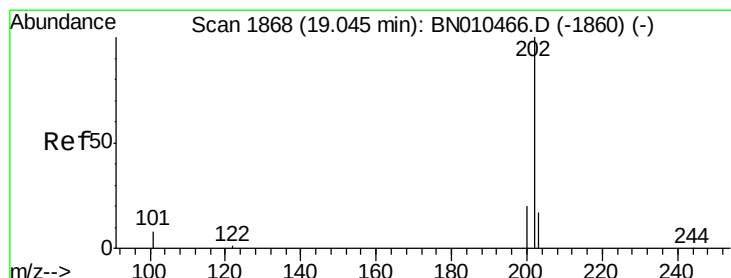
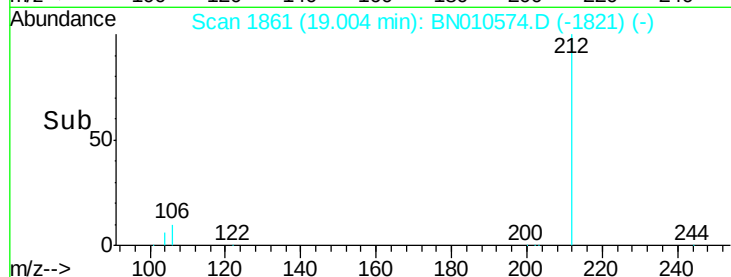
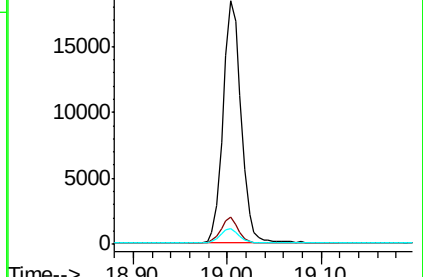
104 5.7 4.5 6.7



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: 0.551 ng

RT: 19.03 min Scan# 1867

Delta R.T. 0.00 min

Lab File: BN010574.D

Acq: 21 Apr 2020 19:46

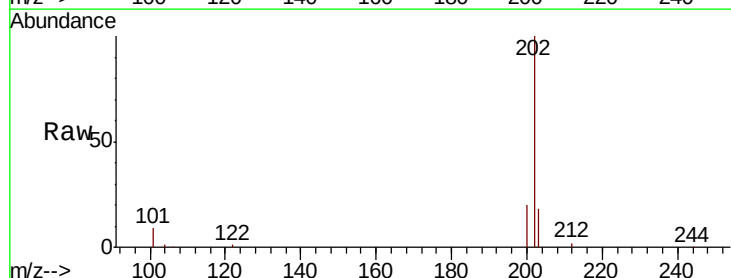
Tgt Ion:202 Resp: 37960

Ion Ratio Lower Upper

202 100

101 8.8 6.9 10.3

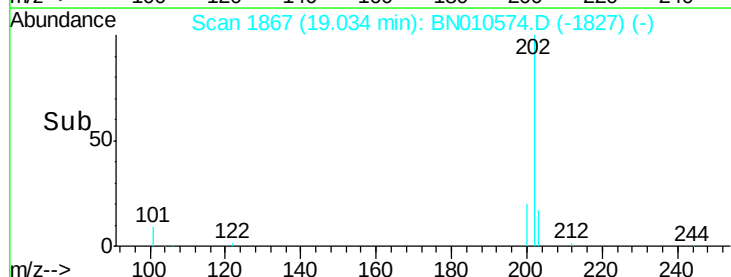
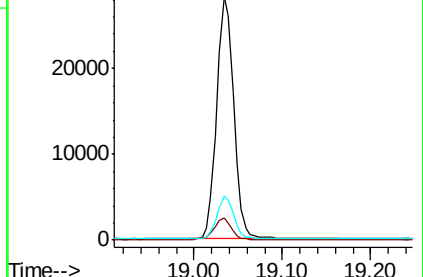
203 17.1 13.9 20.9

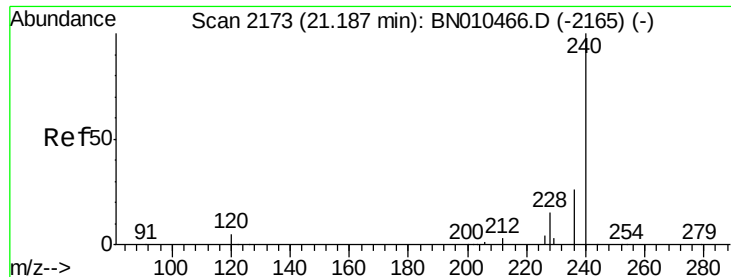


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.17 min Scan# 2173

Delta R.T. 0.00 min

Lab File: BN010574.D

Acq: 21 Apr 2020 19:46

Instrument :

BNA_N

ClientSampleId :

BP-HN-24S-20200414MSD

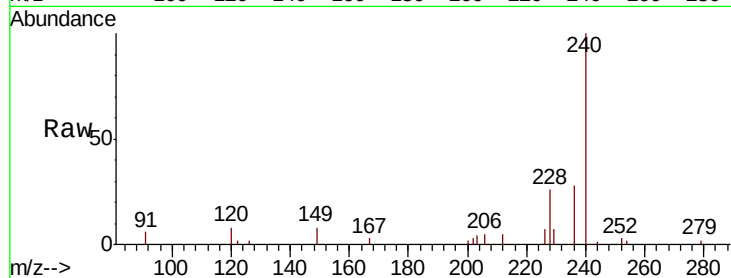
Tot Ion:240 Resp: 19610

Ion Ratio Lower Upper

240 100

120 8.0 4.8 7.2#

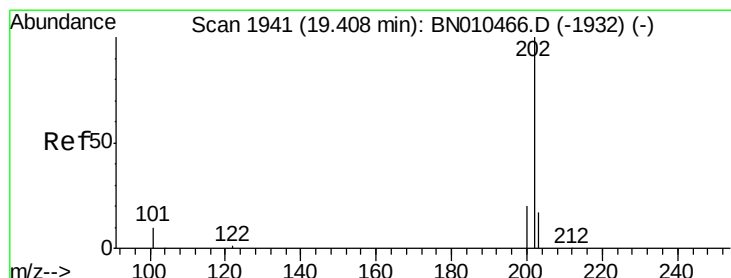
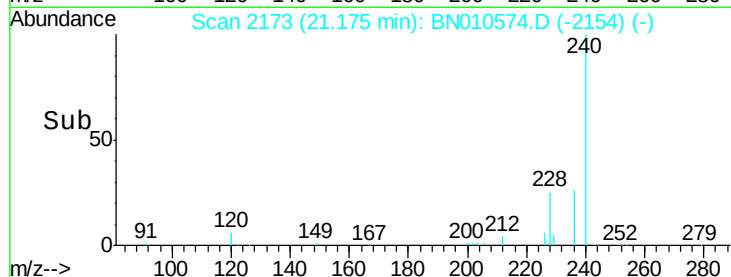
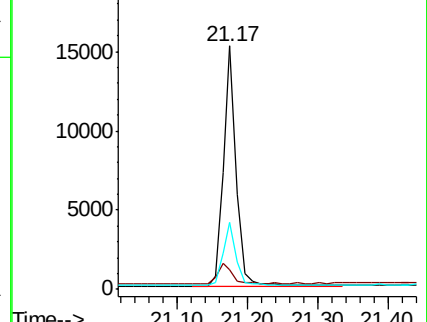
236 27.6 21.4 32.0



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.585 ng

RT: 19.40 min Scan# 1941

Delta R.T. 0.00 min

Lab File: BN010574.D

Acq: 21 Apr 2020 19:46

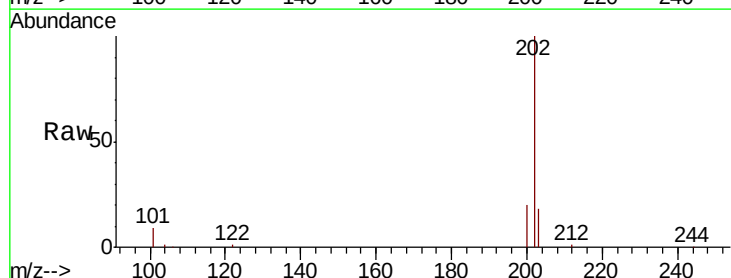
Tgt Ion:202 Resp: 38627

Ion Ratio Lower Upper

202 100

200 20.4 16.3 24.5

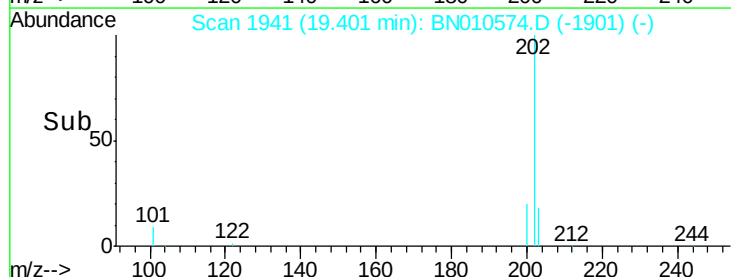
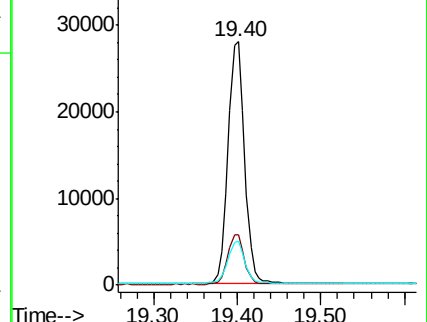
203 18.1 14.0 21.0

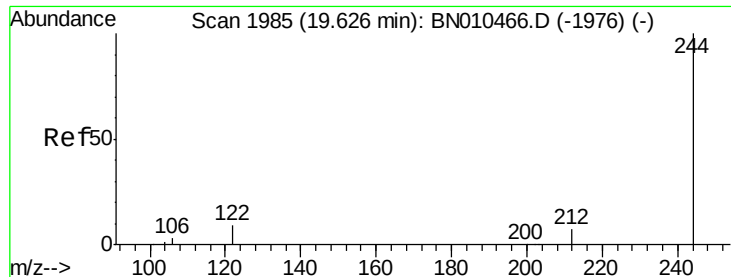


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.532 ng

RT: 19.61 min Scan# 1984

Delta R.T. -0.00 min

Lab File: BN010574.D

Acq: 21 Apr 2020 19:46

Instrument :

BNA_N

ClientSampleId :

BP-HN-24S-20200414MSD

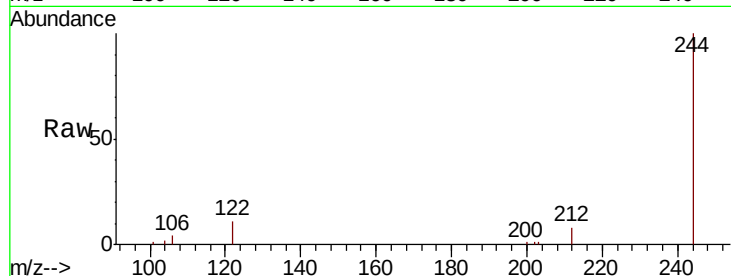
Tot Ion:244 Resp: 23858

Ion Ratio Lower Upper

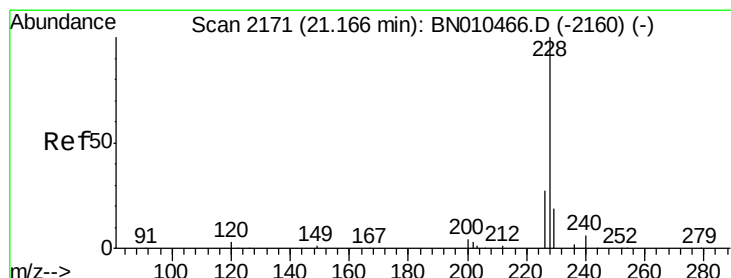
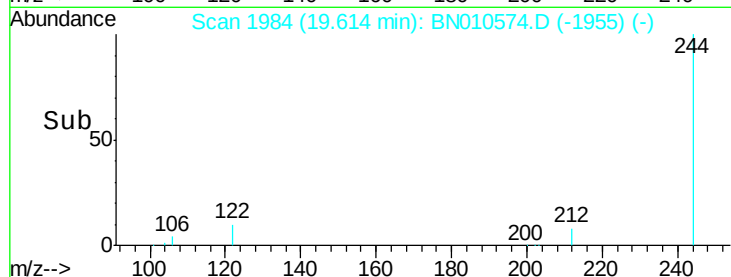
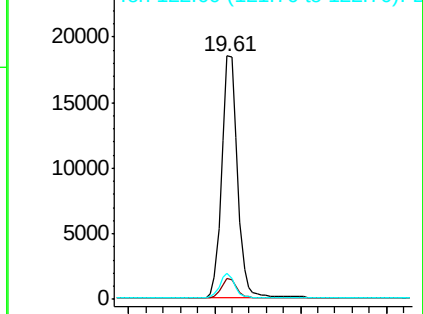
244 100

212 8.3 6.2 9.4

122 10.9 7.8 11.8



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: 0.522 ng

RT: 21.15 min Scan# 2171

Delta R.T. 0.00 min

Lab File: BN010574.D

Acq: 21 Apr 2020 19:46

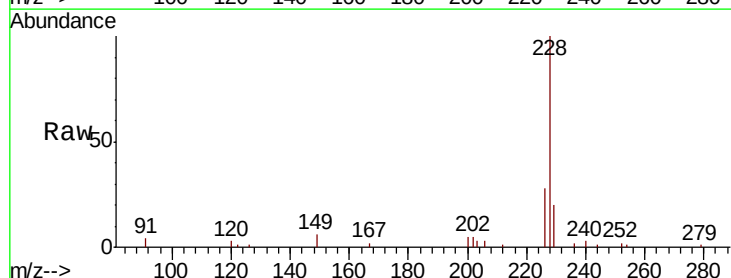
Tgt Ion:228 Resp: 33408

Ion Ratio Lower Upper

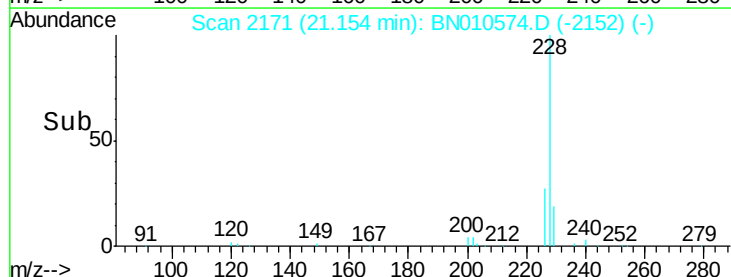
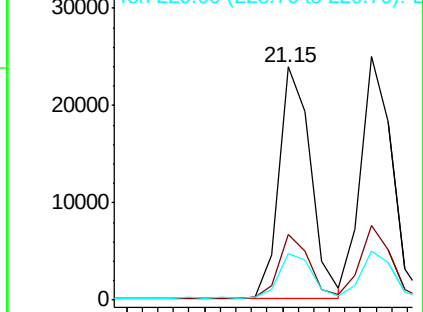
228 100

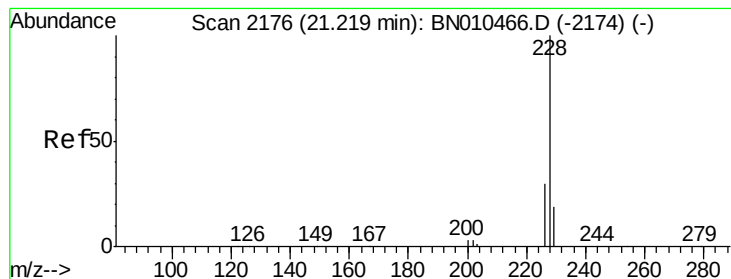
226 28.0 21.7 32.5

229 19.8 15.6 23.4



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: 0.536 ng

RT: 21.21 min Scan# 2176

Delta R.T. 0.00 min

Lab File: BN010574.D

Acq: 21 Apr 2020 19:46

Instrument :

BNA_N

ClientSampleId :

BP-HN-24S-20200414MSD

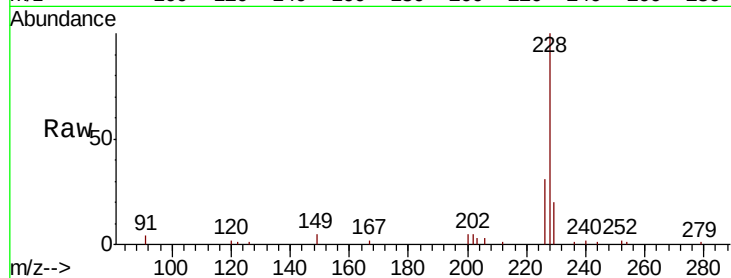
Tot Ion:228 Resp: 34182

Ion Ratio Lower Upper

228 100

226 30.6 24.0 36.0

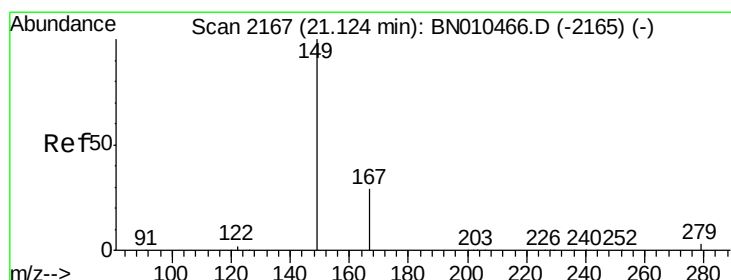
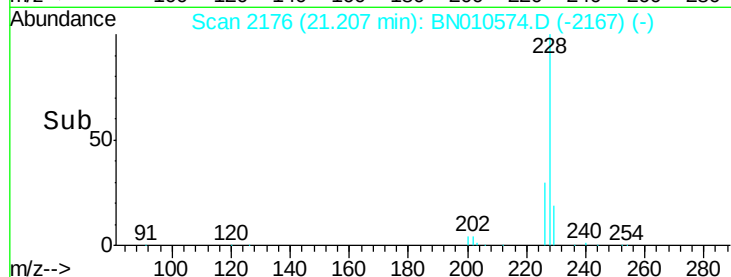
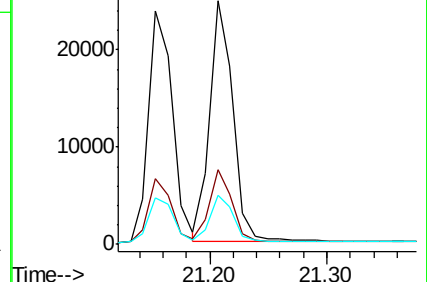
229 20.1 15.8 23.6



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: 0.592 ng

RT: 21.11 min Scan# 2167

Delta R.T. 0.00 min

Lab File: BN010574.D

Acq: 21 Apr 2020 19:46

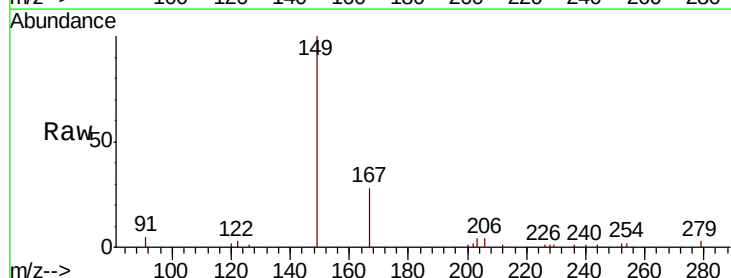
Tgt Ion:149 Resp: 19444

Ion Ratio Lower Upper

149 100

167 28.4 23.4 35.0

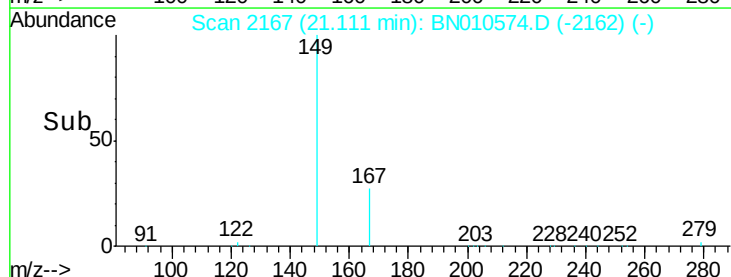
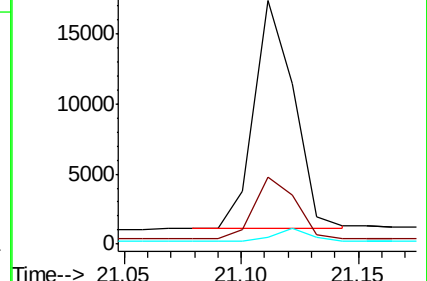
279 4.8 4.0 6.0

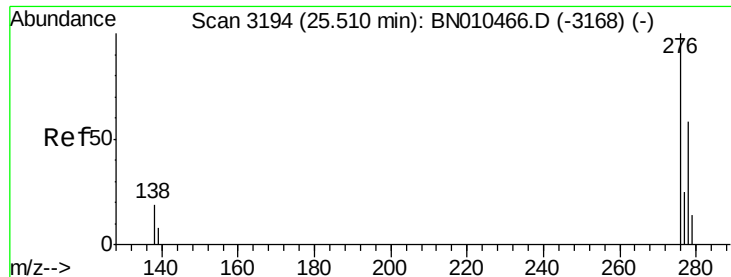


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.568 ng

RT: 25.49 min Scan# 3189

Delta R.T. -0.00 min

Lab File: BN010574.D

Acq: 21 Apr 2020 19:46

Instrument :

BNA_N

ClientSampleId :

BP-HN-24S-20200414MSD

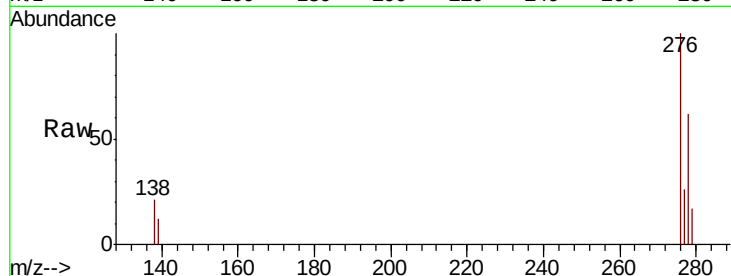
Tot Ion:276 Resp: 31997

Ion Ratio Lower Upper

276 100

138 20.9 16.4 24.6

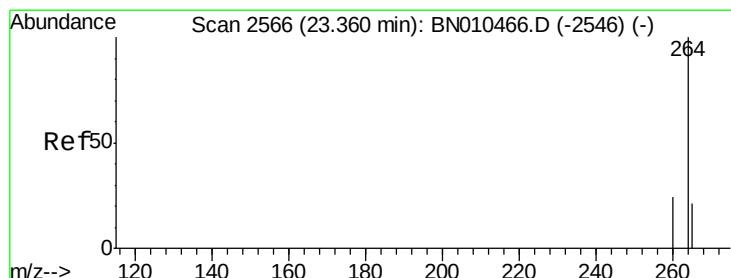
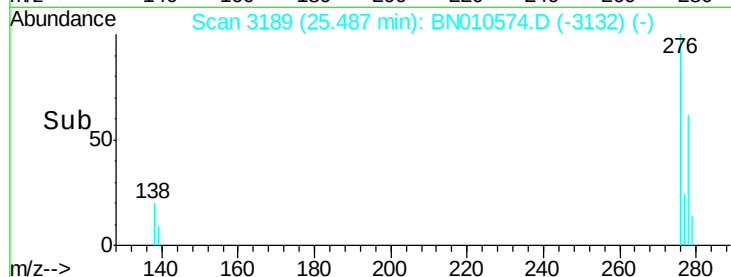
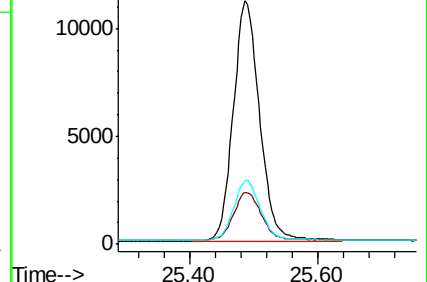
277 25.1 19.8 29.6



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# 2564

Delta R.T. 0.00 min

Lab File: BN010574.D

Acq: 21 Apr 2020 19:46

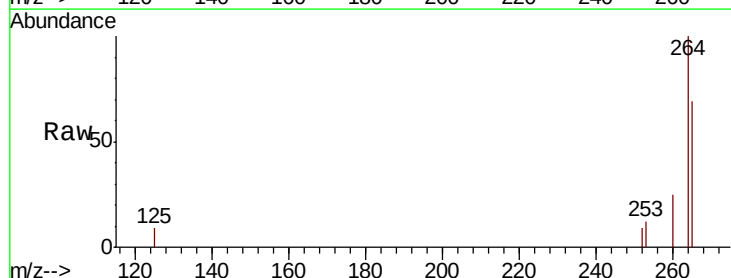
Tgt Ion:264 Resp: 16808

Ion Ratio Lower Upper

264 100

260 24.9 19.8 29.8

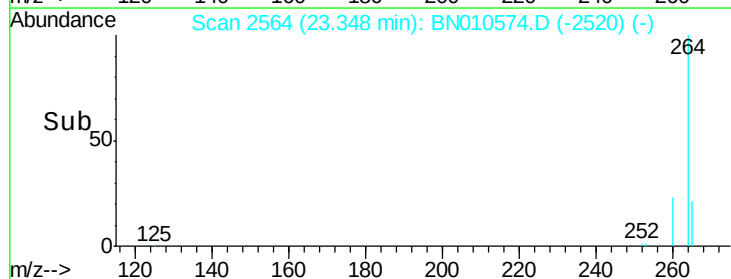
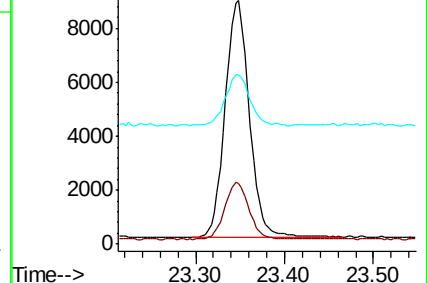
265 69.4 42.3 63.5#

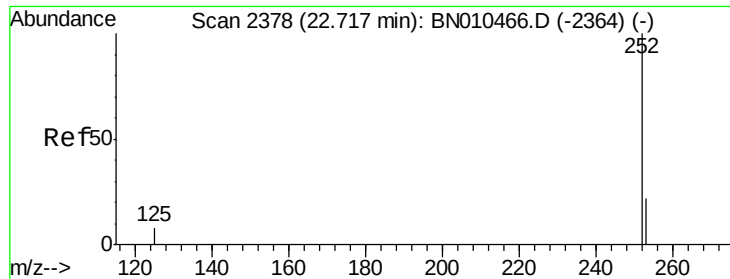


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.561 ng

RT: 22.70 min Scan# 2376

Delta R.T. 0.00 min

Lab File: BN010574.D

Acq: 21 Apr 2020 19:46

Instrument :

BNA_N

ClientSampleId :

BP-HN-24S-20200414MSD

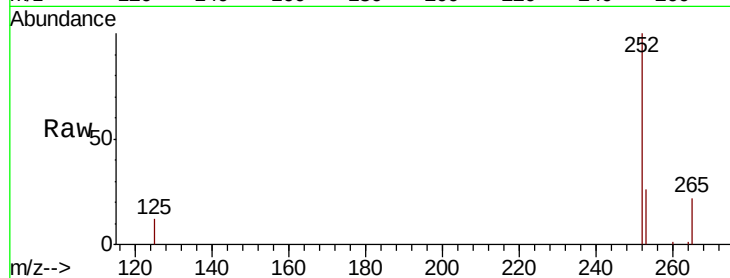
Tot Ion:252 Resp: 31050

Ion Ratio Lower Upper

252 100

253 26.0 20.2 30.4

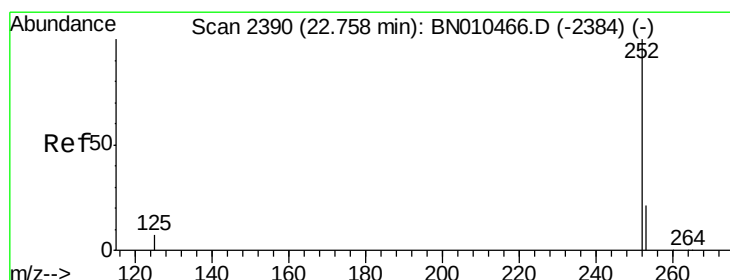
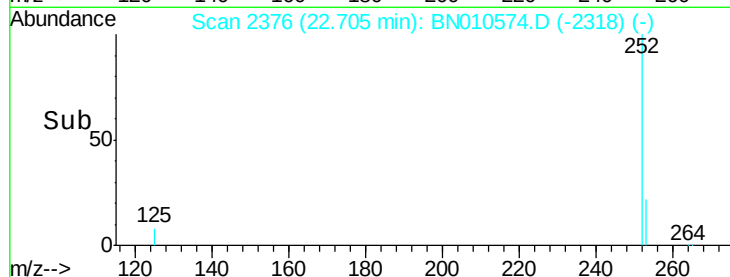
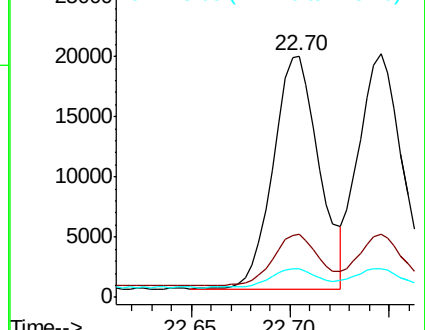
125 11.9 9.2 13.8



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: 0.548 ng

RT: 22.75 min Scan# 2388

Delta R.T. 0.00 min

Lab File: BN010574.D

Acq: 21 Apr 2020 19:46

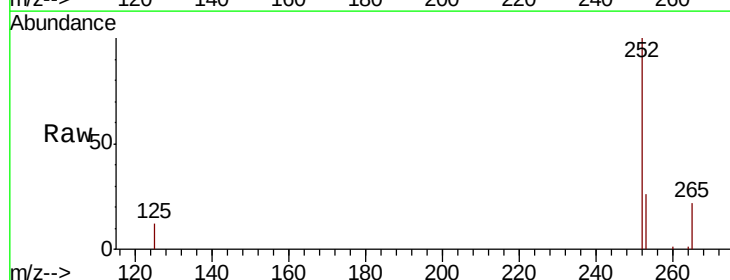
Tgt Ion:252 Resp: 30377

Ion Ratio Lower Upper

252 100

253 26.1 20.1 30.1

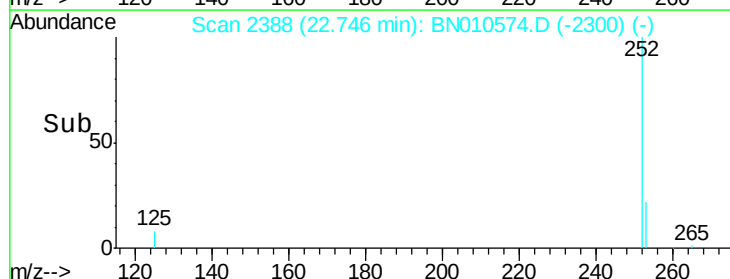
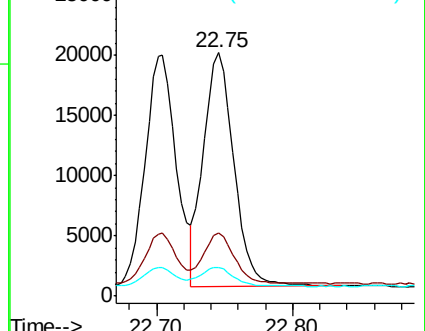
125 12.0 9.6 14.4

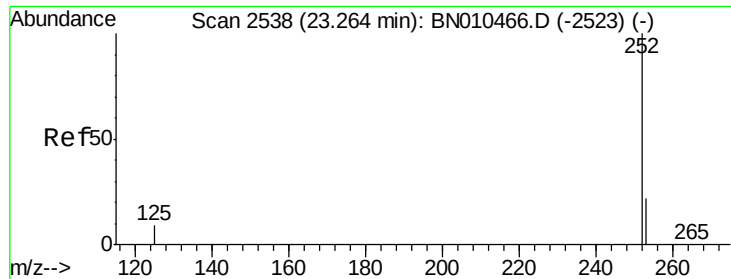


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.491 ng

RT: 23.25 min Scan# 2536

Delta R.T. 0.00 min

Lab File: BN010574.D

Acq: 21 Apr 2020 19:46

Instrument :

BNA_N

ClientSampleId :

BP-HN-24S-20200414MSD

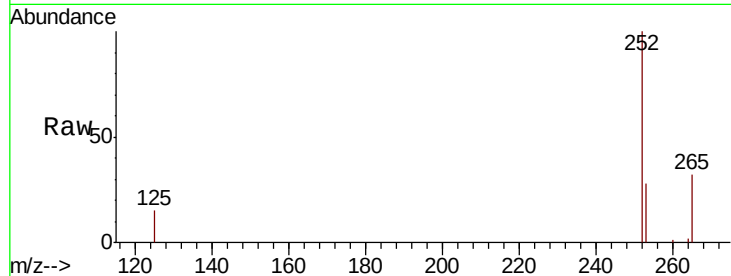
Tot Ion:252 Resp: 24050

Ion Ratio Lower Upper

252 100

253 28.1 21.8 32.8

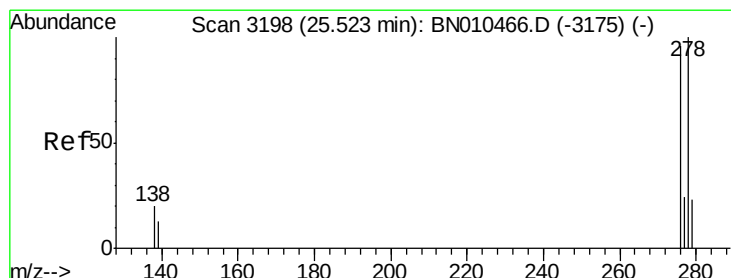
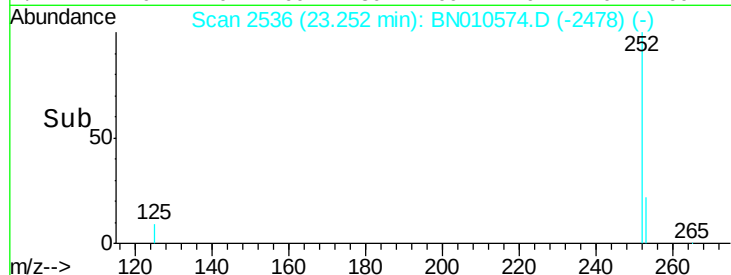
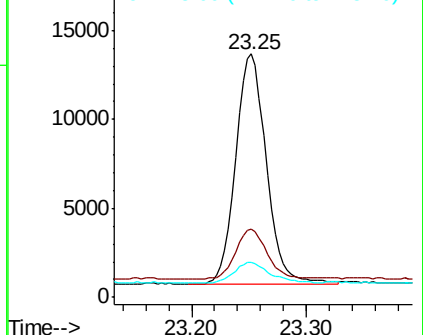
125 14.5 11.0 16.6



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



#38

Dibenzo(a,h)anthracene

Concen: 0.583 ng

RT: 25.50 min Scan# 3193

Delta R.T. 0.00 min

Lab File: BN010574.D

Acq: 21 Apr 2020 19:46

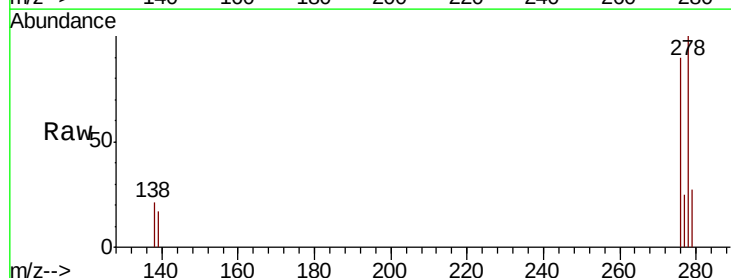
Tgt Ion:278 Resp: 26125

Ion Ratio Lower Upper

278 100

139 16.7 12.3 18.5

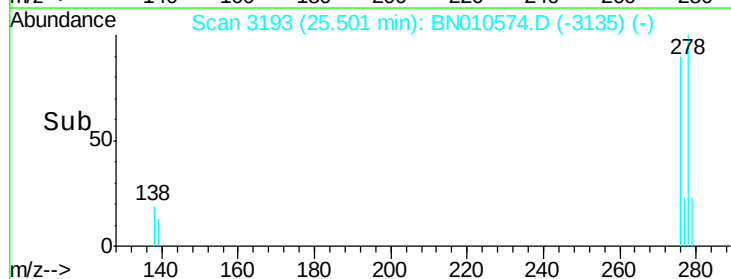
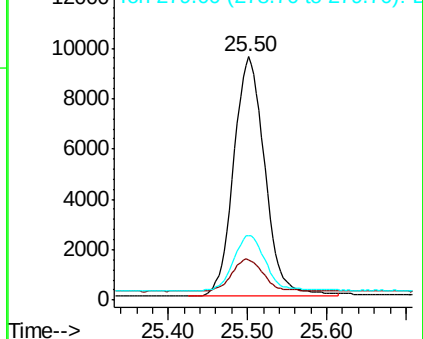
279 26.6 21.9 32.9

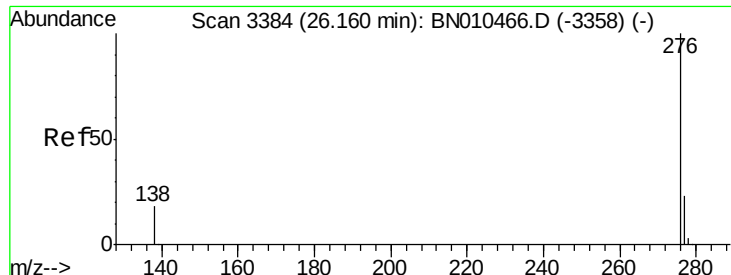


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.602 ng

RT: 26.14 min Scan# 3379

Delta R.T. 0.00 min

Lab File: BN010574.D

Acq: 21 Apr 2020 19:46

Instrument :

BNA_N

ClientSampleId :

BP-HN-24S-20200414MSD

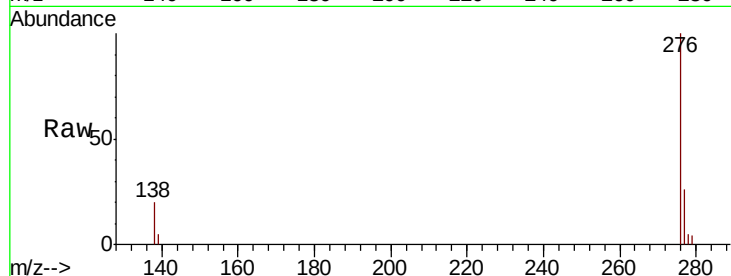
Tot Ion: 276 Resp: 27145

Ion Ratio Lower Upper

276 100

277 25.5 20.2 30.2

138 19.7 15.4 23.2



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

