

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN041520\
 Data File : BN010509.D
 Acq On : 15 Apr 2020 15:48
 Operator : CG/JU
 Sample : L2178-07RE
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 FIELD-BLANKRE

Quant Time: Apr 15 16:41:44 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN041320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 13 18:04:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	3524	0.40	ng	0.00
7) Naphthalene-d8	10.35	136	14784	0.40	ng	-0.01
13) Acenaphthene-d10	14.22	164	9839	0.40	ng	0.00
19) Phenanthrene-d10	16.97	188	23179	0.40	ng	0.00
27) Chrysene-d12	21.17	240	23510	0.40	ng	-0.01
34) Perylene-d12	23.35	264	21153	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.25	112	1547	0.20	ng	0.00
5) Phenol-d6	6.79	99	1222	0.12	ng	0.00
8) Nitrobenzene-d5	8.73	82	7707	0.75	ng	-0.01
11) 2-Methylnaphthalene-d10	11.96	152	9473	0.39	ng	0.00
14) 2,4,6-Tribromophenol	15.72	330	1765	0.38	ng	0.00
15) 2-Fluorobiphenyl	12.84	172	27041	0.76	ng	0.00
25) Fluoranthene-d10	19.01	212	29209	0.42	ng	0.00
29) Terphenyl-d14	19.62	244	40814	0.76	ng	0.00

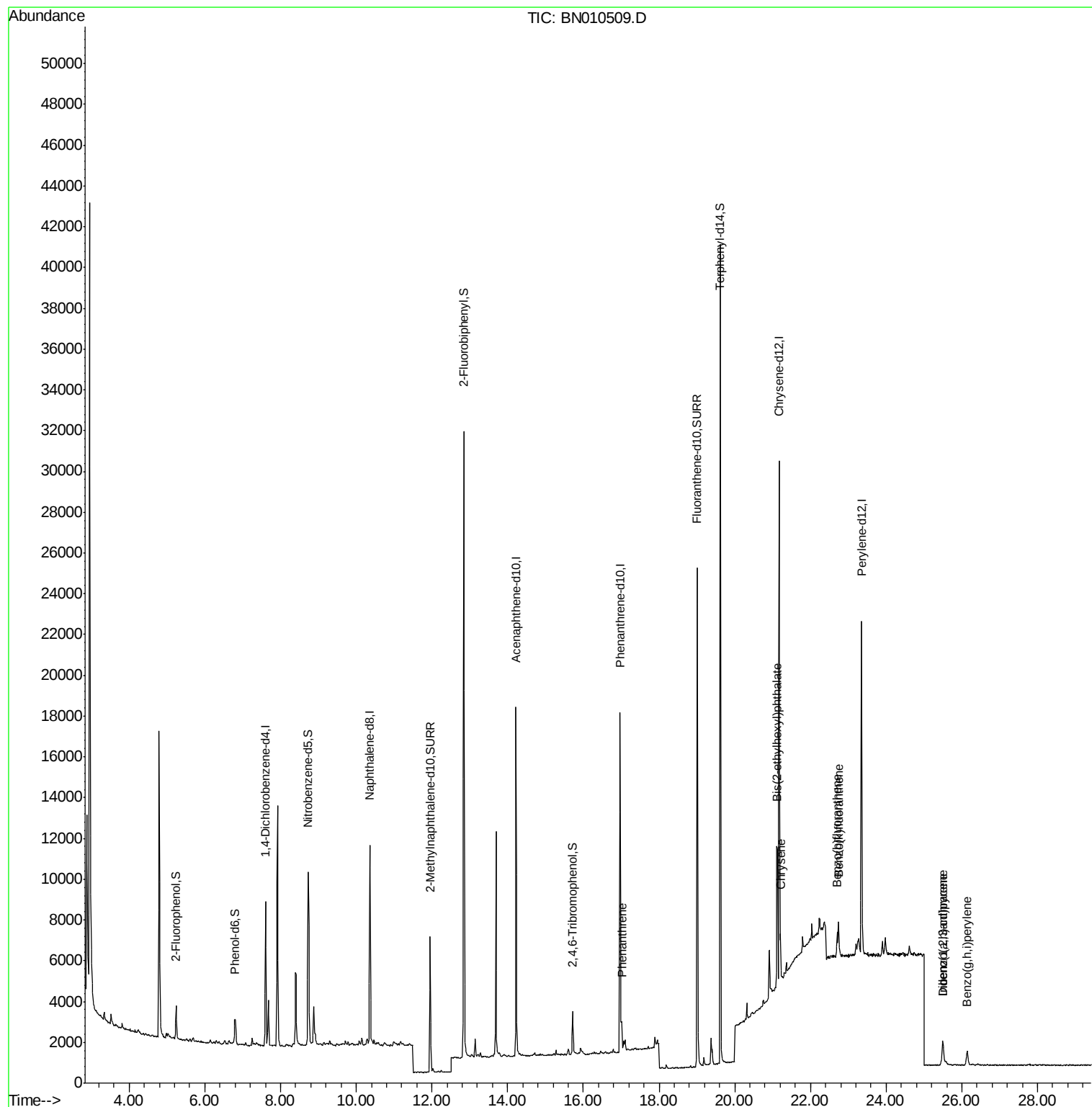
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
23) Phenanthrene	17.02	178	1439	0.023	ng	95
31) Chrysene	21.21	228	1841	0.024	ng	# 87
32) Bis(2-ethylhexyl)phthalate	21.11	149	7118	0.181	ng	100
33) Indeno(1,2,3-cd)pyrene	25.49	276	1390	0.021	ng	95
35) Benzo(b)fluoranthene	22.70	252	1551	0.022	ng	# 18
36) Benzo(k)fluoranthene	22.75	252	1597	0.023	ng	# 1
38) Dibenzo(a,h)anthracene	25.51	278	1202	0.021	ng	# 22
39) Benzo(q,h,i)perylene	26.14	276	1477	0.026	ng	# 64

(#) = 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# 593

Delta R.T. -0.01 min

Lab File: BN010509.D

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BNA_N

ClientSampleId :

FIELD-BLANKRE

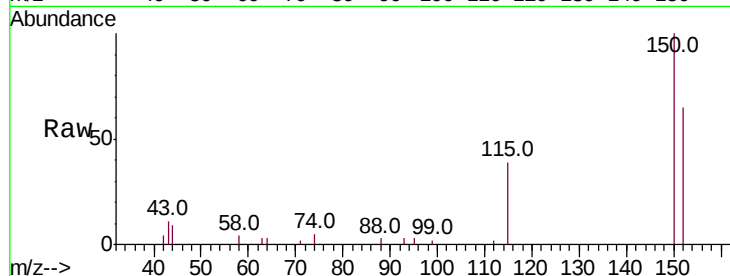
Tot Ion:152 Resp: 3524

Ion Ratio Lower Upper

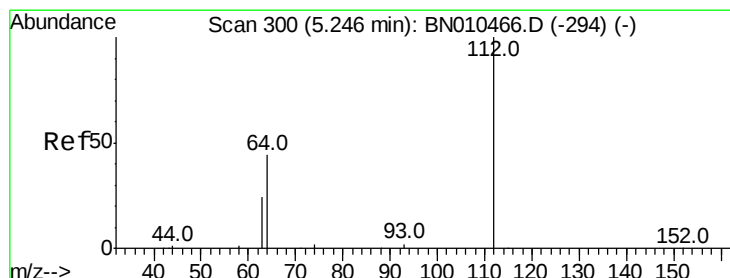
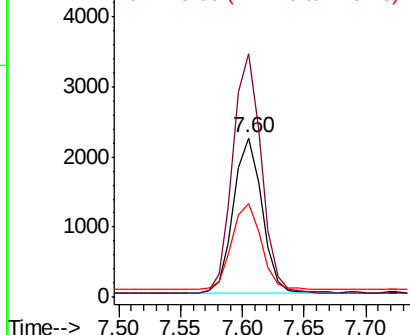
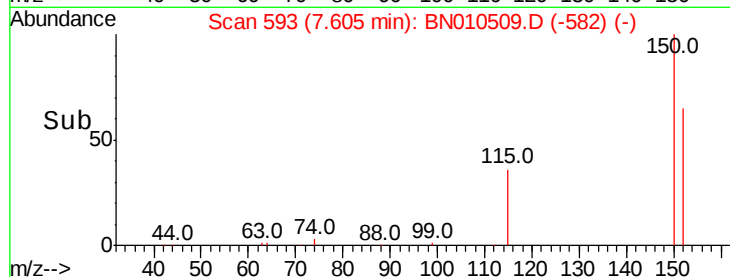
152 100

150 152.8 121.8 182.6

115 58.9 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



#4

2-Fluorophenol

Concen: 0.200 ng

RT: 5.25 min Scan# 300

Delta R.T. -0.00 min

Lab File: BN010509.D

Acq: 15 Apr 2020 15:48

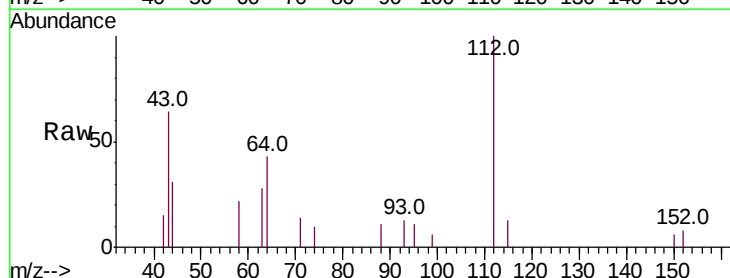
Tgt Ion:112 Resp: 1547

Ion Ratio Lower Upper

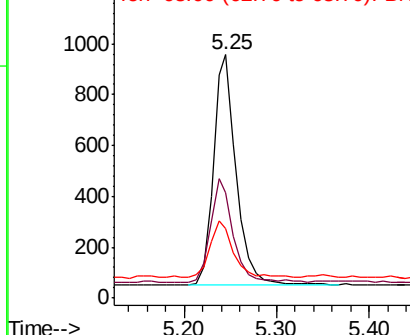
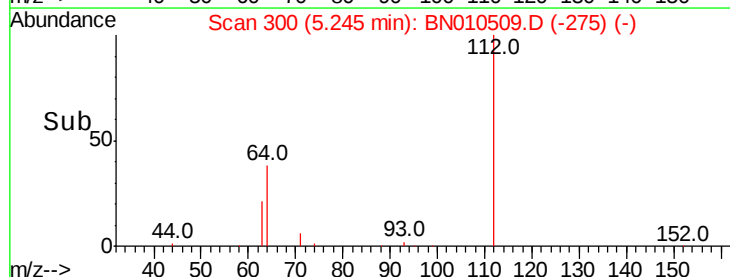
112 100

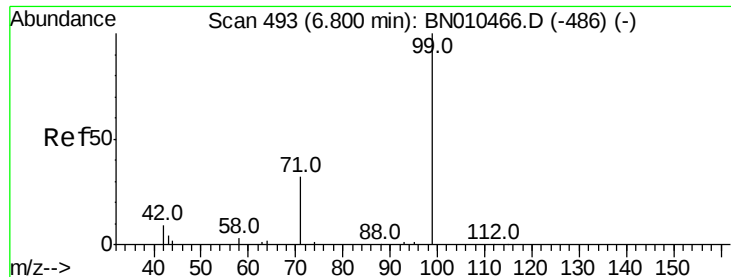
64 45.2 35.8 53.8

63 26.2 19.9 29.9



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BNC
Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.121 ng

RT: 6.79 min Scan# 492

Delta R.T. -0.01 min

Lab File: BN010509.D

Acq: 15 Apr 2020 15:48

Instrument :

BNA_N

ClientSampleId :

FIELD-BLANKRE

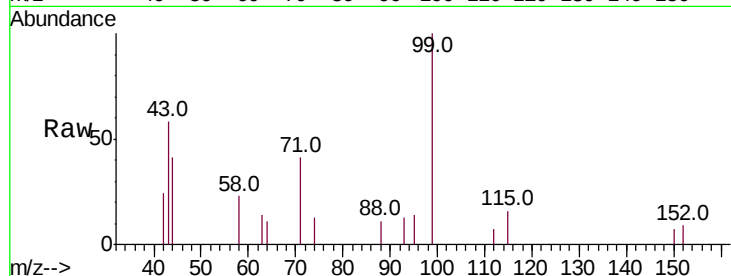
Tot Ion: 99 Resp: 1222

Ion Ratio Lower Upper

99 100

42 20.1 9.8 14.6#

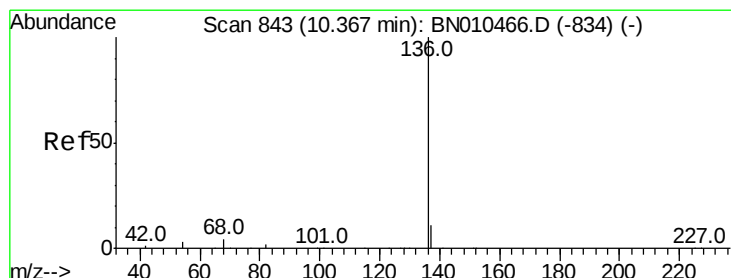
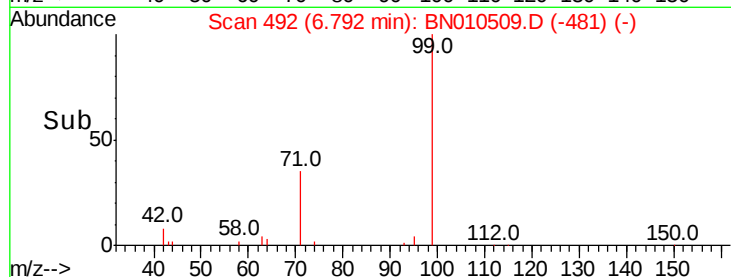
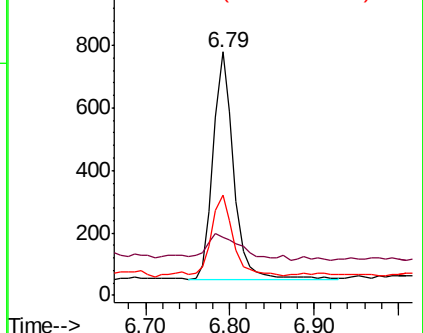
71 41.0 27.8 41.8



Abundance Ion 99.00 (98.70 to 99.70): BN010466.D (-486) (-)

Ion 42.00 (41.70 to 42.70): BN010466.D (-486) (-)

Ion 71.00 (70.70 to 71.70): BN010466.D (-486) (-)



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.35 min Scan# 842

Delta R.T. -0.01 min

Lab File: BN010509.D

Acq: 15 Apr 2020 15:48

Tgt Ion: 136 Resp: 14784

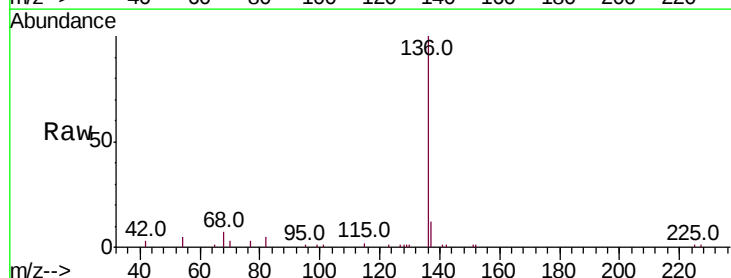
Ion Ratio Lower Upper

136 100

137 11.7 8.9 13.3

54 5.4 2.6 4.0#

68 6.6 3.4 5.2#

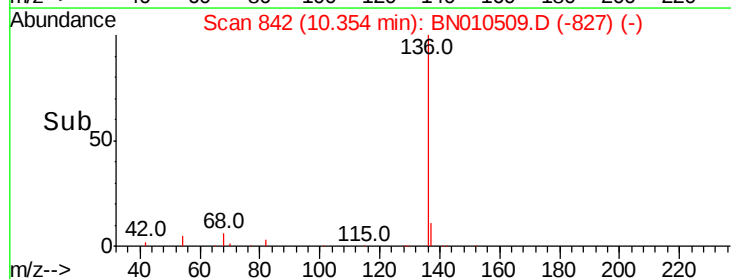
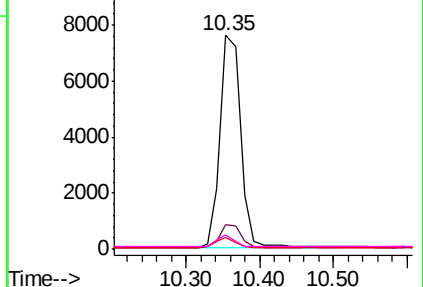


Abundance Ion 136.00 (135.70 to 136.70): BN010466.D (-834) (-)

Ion 137.00 (136.70 to 137.70): BN010466.D (-834) (-)

Ion 54.00 (53.70 to 54.70): BN010466.D (-834) (-)

Ion 68.00 (67.70 to 68.70): BN010466.D (-834) (-)

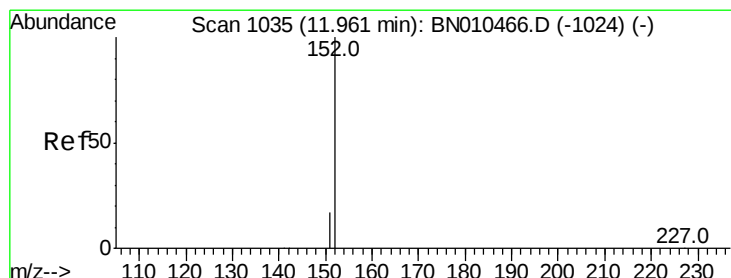
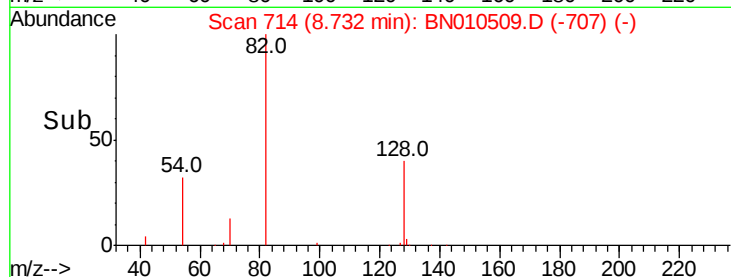
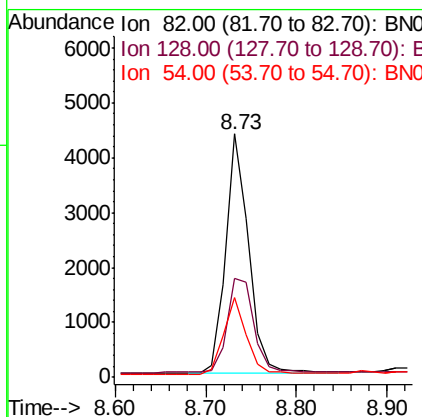
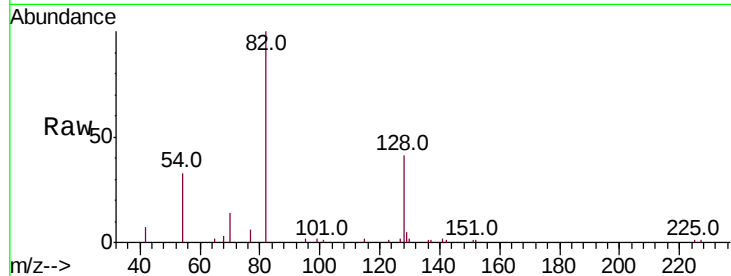




#8
 Nitrobenzene-d5
 Concen: 0.746 ng
 RT: 8.73 min Scan# 714
 Delta R.T. -0.01 min
 Lab File: BN010509.D
 Acq: 15 Apr 2020 15:48

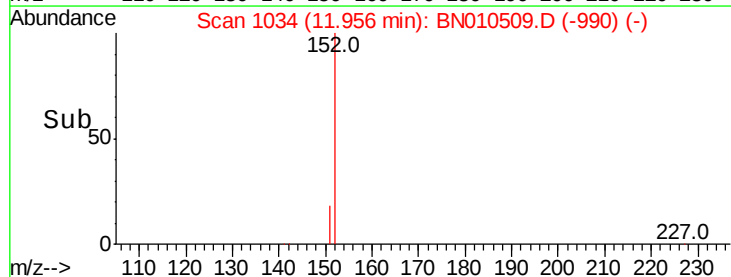
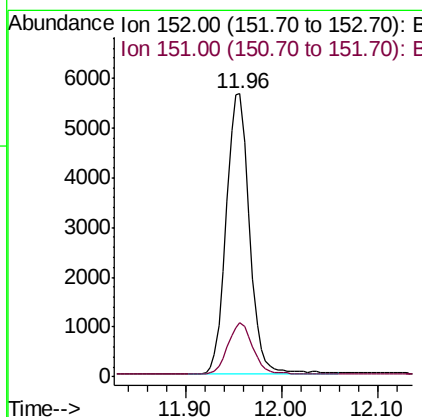
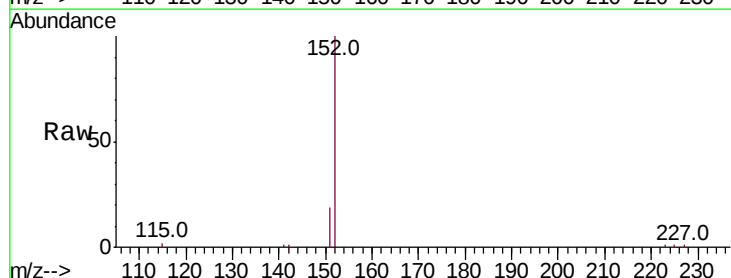
Instrument :
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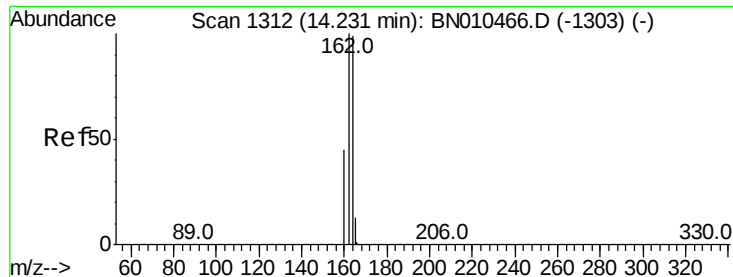
Tot Ion: 82 Resp: 7707
 Ion Ratio Lower Upper
 82 100
 128 40.8 41.3 61.9#
 54 32.8 23.4 35.0



#11
 2-Methylnaphthalene-d10
 Concen: 0.390 ng
 RT: 11.96 min Scan# 1034
 Delta R.T. -0.01 min
 Lab File: BN010509.D
 Acq: 15 Apr 2020 15:48

Tgt Ion: 152 Resp: 9473
 Ion Ratio Lower Upper
 152 100
 151 19.6 15.3 22.9





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.22 min Scan# 1312

Delta R.T. -0.01 min

Lab File: BN010509.D

Acq: 15 Apr 2020 15:48

Instrument :

BNA_N

ClientSampleId :

FIELD-BLANKRE

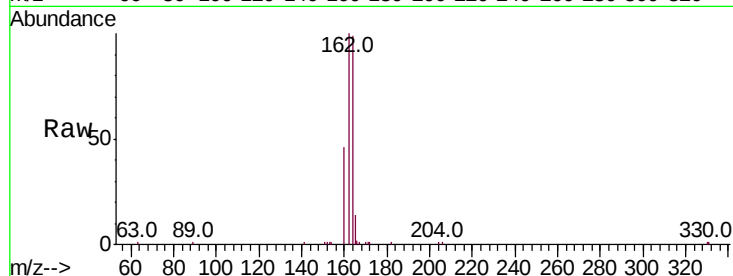
Tot Ion:164 Resp: 9839

Ion Ratio Lower Upper

164 100

162 100.6 80.6 121.0

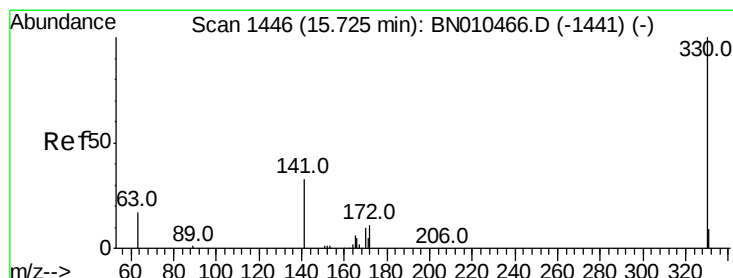
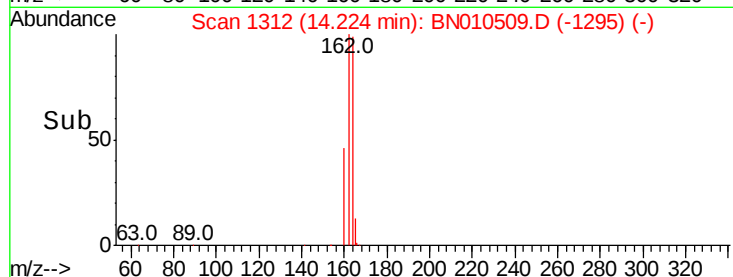
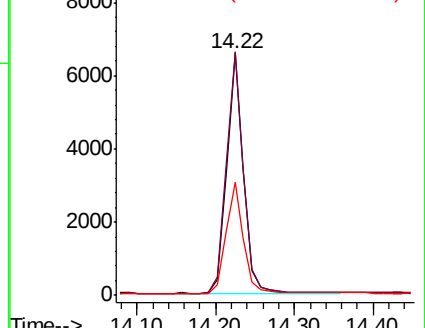
160 46.5 36.5 54.7



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: 0.381 ng

RT: 15.72 min Scan# 1446

Delta R.T. -0.01 min

Lab File: BN010509.D

Acq: 15 Apr 2020 15:48

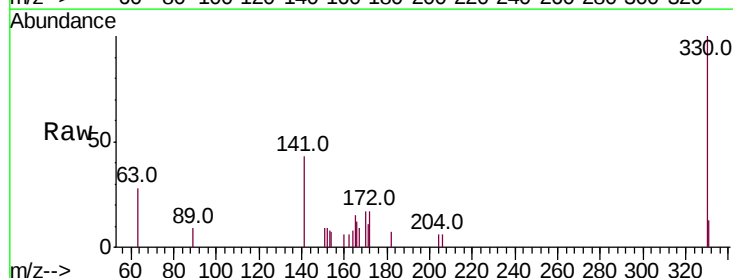
Tgt Ion:330 Resp: 1765

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

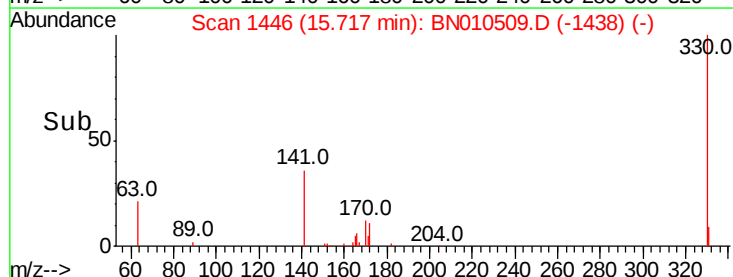
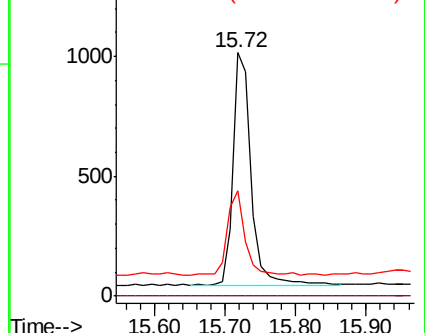
141 36.3 28.1 42.1

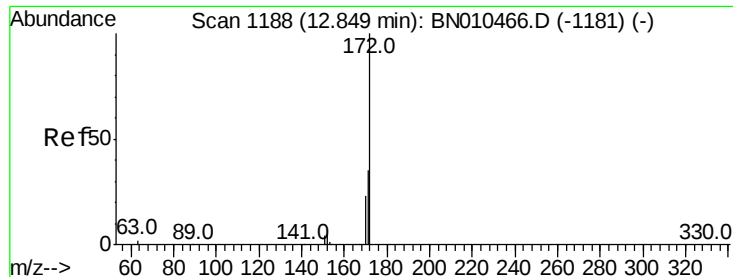


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

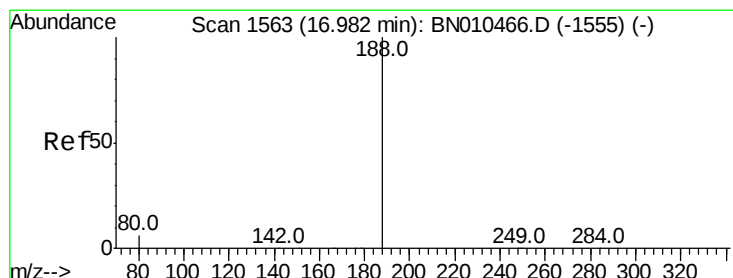
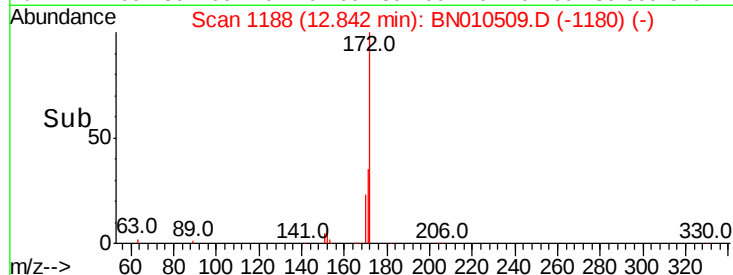
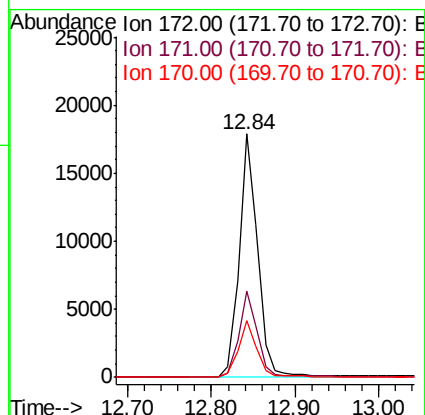
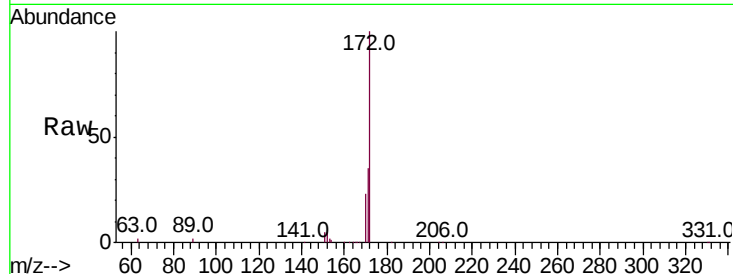




#15
2-Fluorobiphenyl
Concen: 0.755 ng
RT: 12.84 min Scan# 1188
Delta R.T. -0.01 min
Lab File: BN010509.D
Acq: 15 Apr 2020 15:48

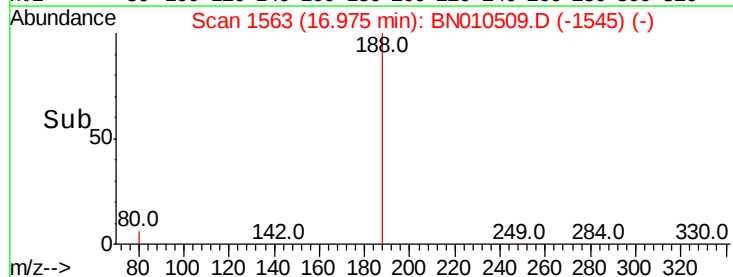
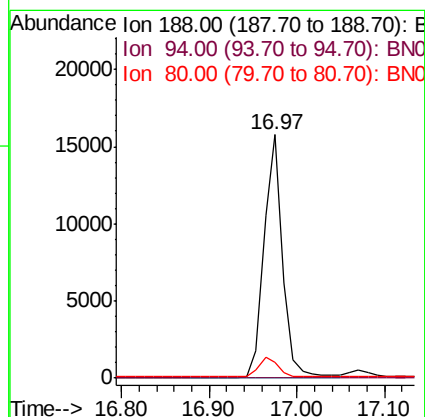
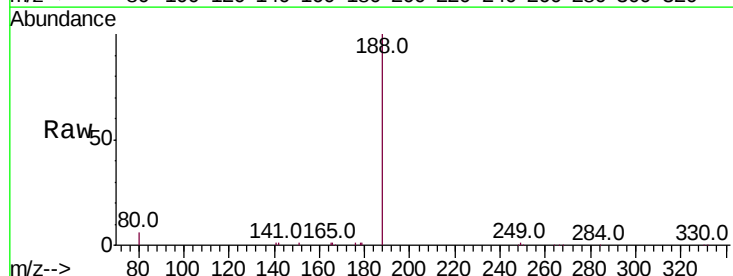
Instrument :
BNA_N
ClientSampleId :
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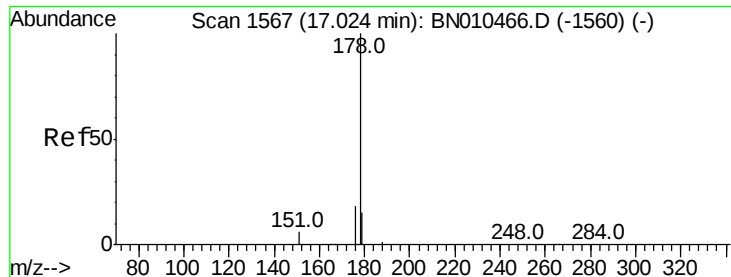
Tot Ion:172 Resp: 27041
Ion Ratio Lower Upper
172 100
171 35.2 28.2 42.2
170 23.2 18.4 27.6



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.97 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BN010509.D
Acq: 15 Apr 2020 15:48

Tgt Ion:188 Resp: 23179
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 6.3 5.0 7.6





#23

Phenanthrene

Concen: 0.023 ng

RT: 17.02 min Scan# 1567

Delta R.T. -0.01 min

Lab File: BN010509.D

Acq: 15 Apr 2020 15:48

Instrument :

BNA_N

ClientSampleId :

FIELD-BLANKRE

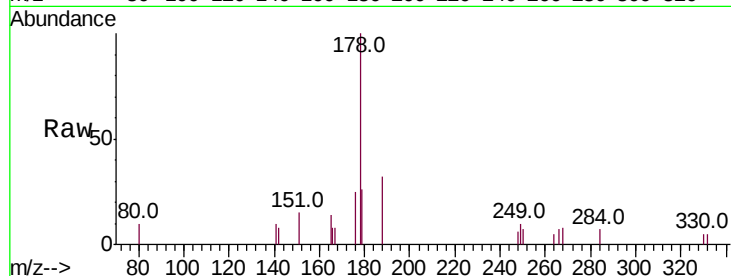
Tot Ion:178 Resp: 1439

Ion Ratio Lower Upper

178 100

176 20.8 15.0 22.4

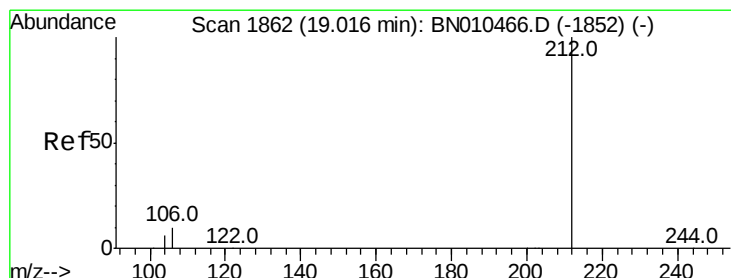
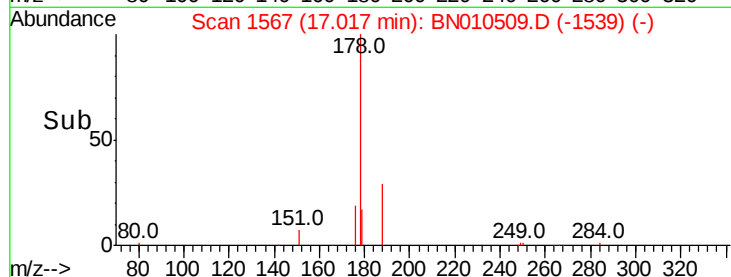
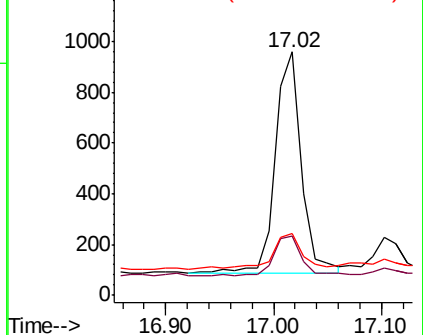
179 18.3 12.6 18.8



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



#25

Fluoranthene-d10

Concen: 0.416 ng

RT: 19.01 min Scan# 1862

Delta R.T. -0.01 min

Lab File: BN010509.D

Acq: 15 Apr 2020 15:48

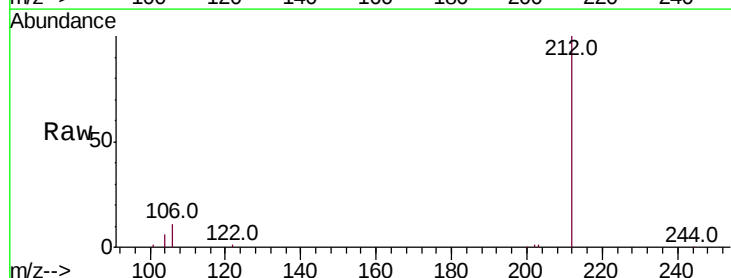
Tgt Ion:212 Resp: 29209

Ion Ratio Lower Upper

212 100

106 10.1 7.8 11.6

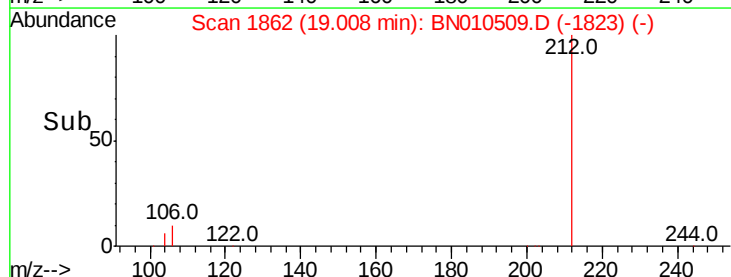
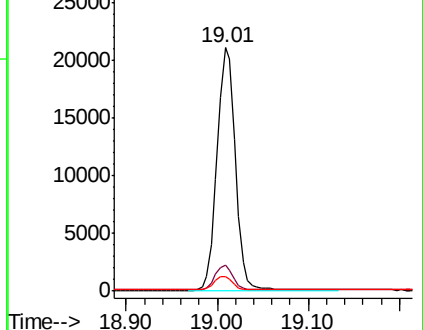
104 5.6 4.5 6.7

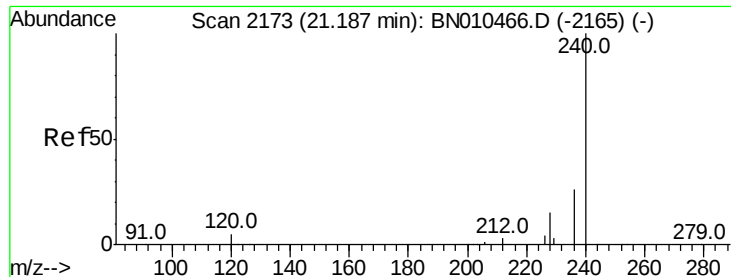


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

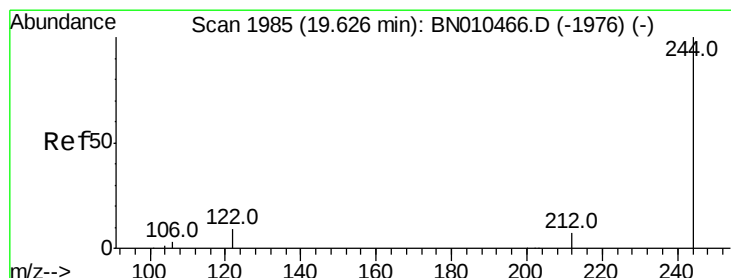
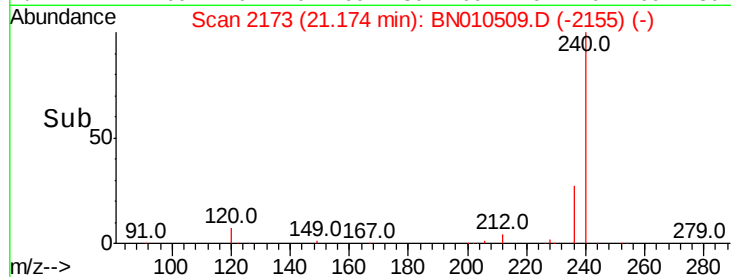
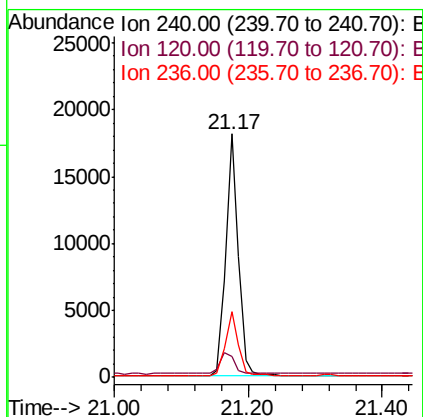
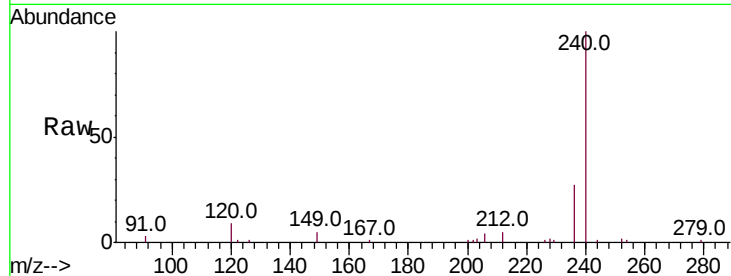




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.17 min Scan# 2173
 Delta R.T. -0.01 min
 Lab File: BN010509.D
 Acq: 15 Apr 2020 15:48

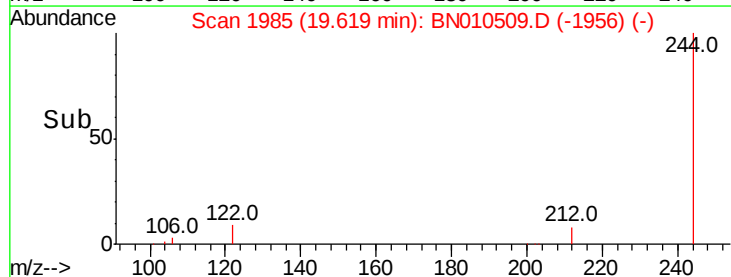
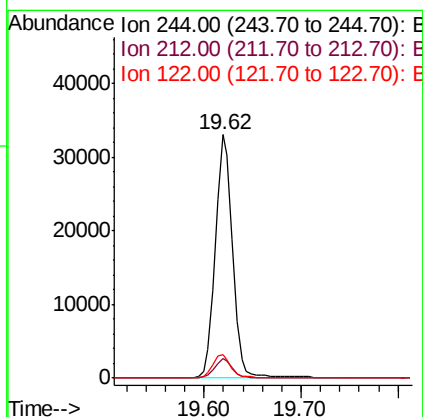
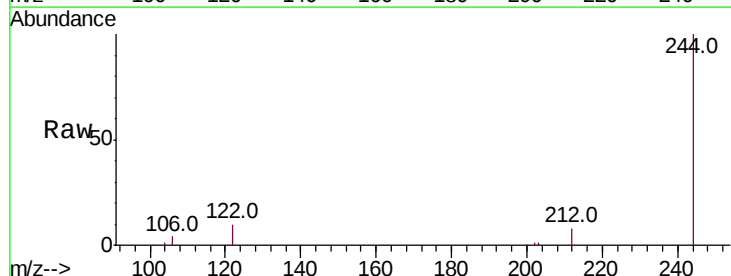
Instrument :
 BNA_N
 ClientSampleId :
 FIELD-BLANKRE

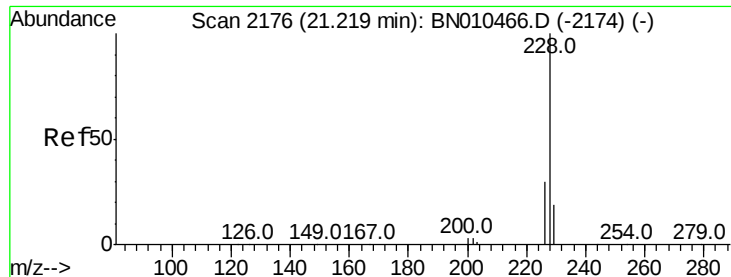
Tot Ion:240 Resp: 23510
 Ion Ratio Lower Upper
 240 100
 120 8.7 4.8 7.2#
 236 27.1 21.4 32.0



#29
 Terphenyl-d14
 Concen: 0.759 ng
 RT: 19.62 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: BN010509.D
 Acq: 15 Apr 2020 15:48

Tgt Ion:244 Resp: 40814
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.2 9.4
 122 9.7 7.8 11.8





#31

Chrysene

Concen: 0.024 ng

RT: 21.21 min Scan# 2176

Delta R.T. -0.01 min

Lab File: BN010509.D

Acq: 15 Apr 2020 15:48

Instrument :

BNA_N

ClientSampleId :

FIELD-BLANKRE

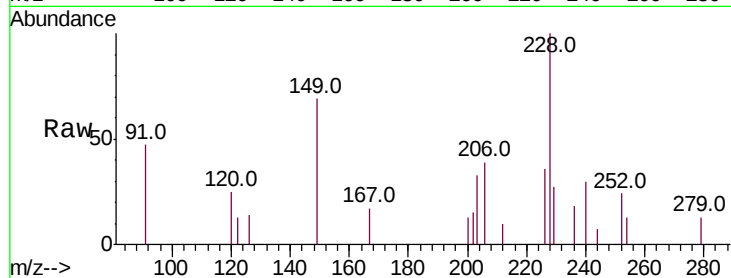
Tot Ion:228 Resp: 1841

Ion Ratio Lower Upper

228 100

226 36.4 24.0 36.0#

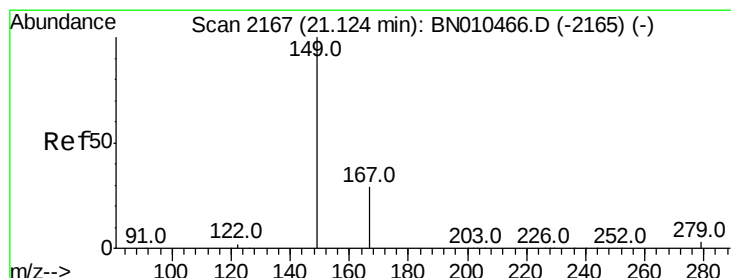
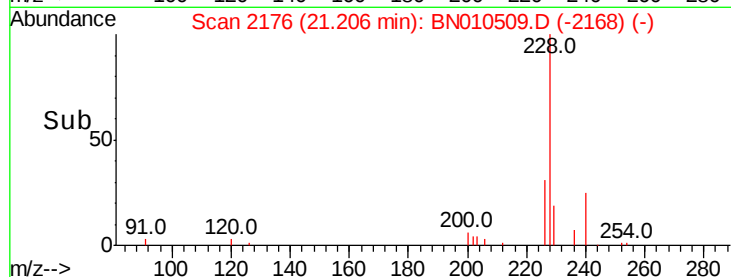
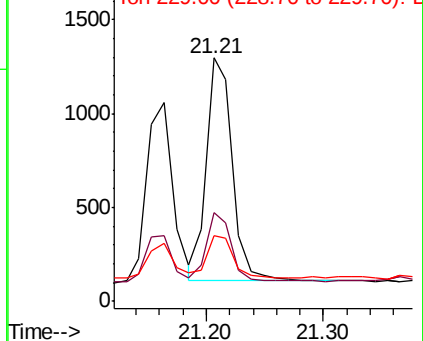
229 26.7 15.8 23.6#



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: 0.181 ng

RT: 21.11 min Scan# 2167

Delta R.T. -0.01 min

Lab File: BN010509.D

Acq: 15 Apr 2020 15:48

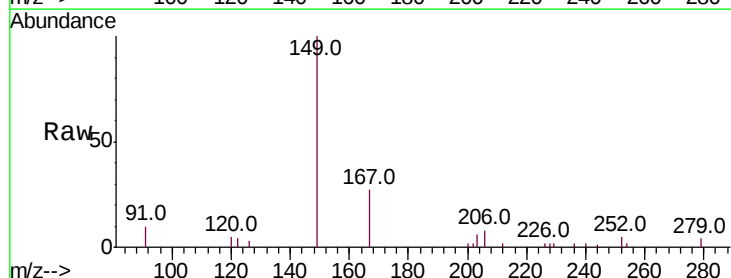
Tgt Ion:149 Resp: 7118

Ion Ratio Lower Upper

149 100

167 29.0 23.4 35.0

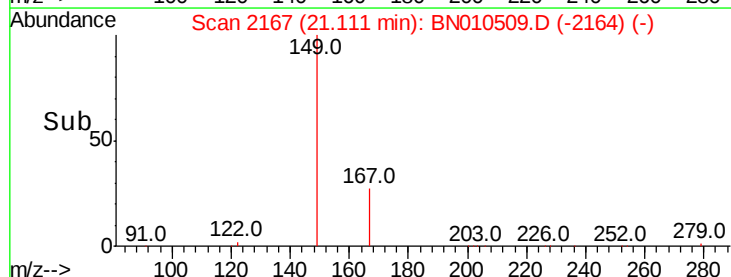
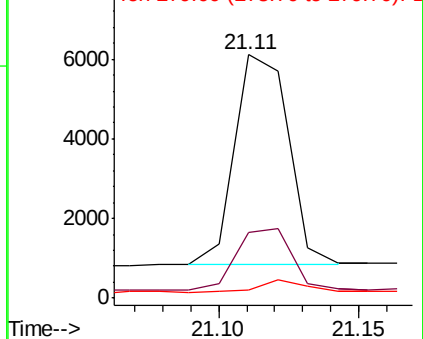
279 5.3 4.0 6.0

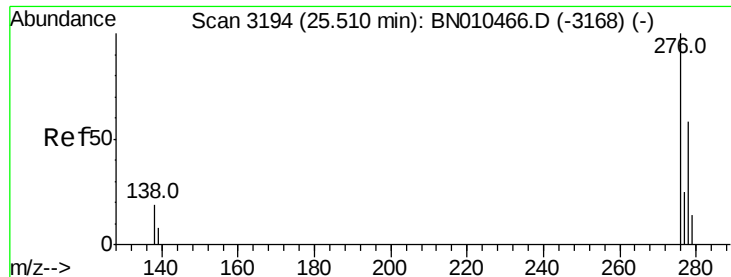


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

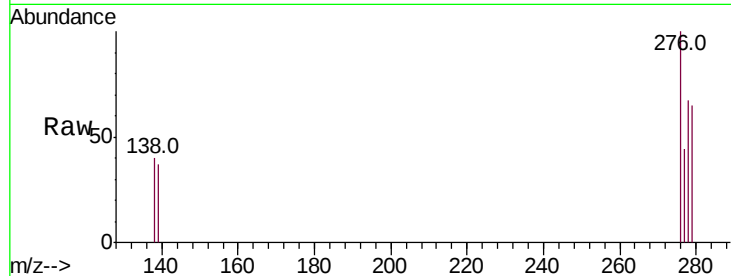




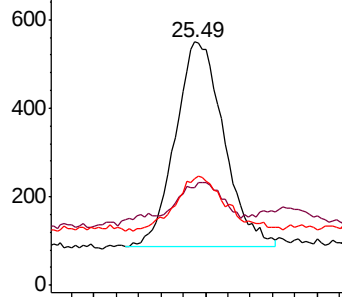
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.021 ng
 RT: 25.49 min Scan# 3190
 Delta R.T. -0.02 min
 Lab File: BN010509.D
 Acq: 15 Apr 2020 15:48

Instrument :
 BNA_N
 ClientSampleId :
 FIELD-BLANKRE

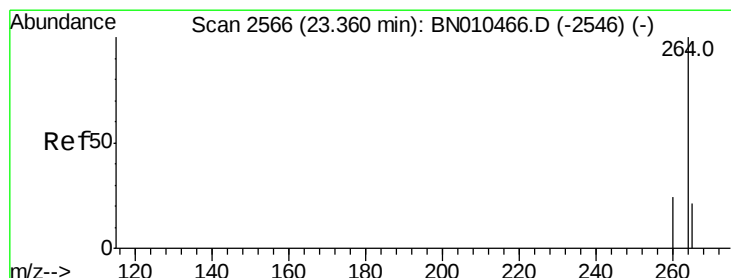
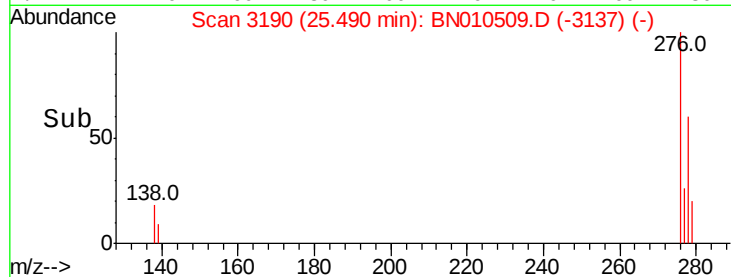
Tot Ion:276 Resp: 1390
 Ion Ratio Lower Upper
 276 100
 138 19.1 16.4 24.6
 277 28.0 19.8 29.6



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

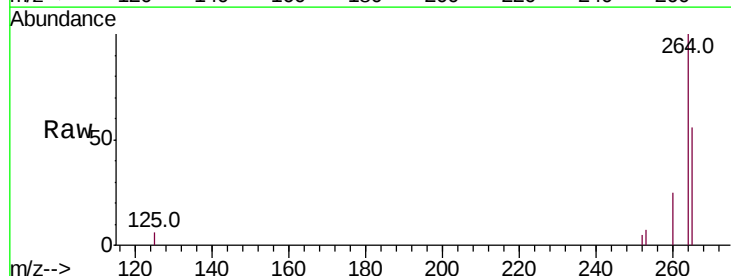


Time-->

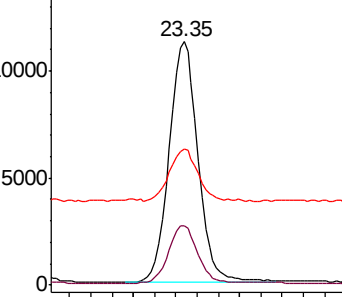


#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.35 min Scan# 2564
 Delta R.T. -0.01 min
 Lab File: BN010509.D
 Acq: 15 Apr 2020 15:48

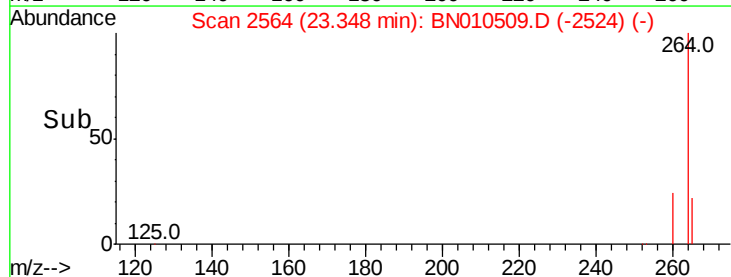
Tgt Ion:264 Resp: 21153
 Ion Ratio Lower Upper
 264 100
 260 24.6 19.8 29.8
 265 55.7 42.3 63.5

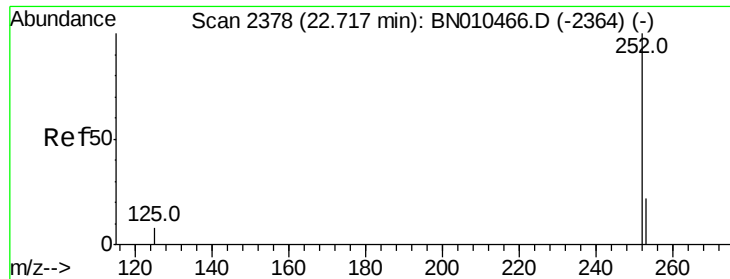


Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E



Time-->





#35

Benzo(b)fluoranthene

Concen: 0.022 ng

RT: 22.70 min Scan# 2376

Delta R.T. -0.01 min

Lab File: BN010509.D

Acq: 15 Apr 2020 15:48

Instrument :

BNA_N

ClientSampleId :

FIELD-BLANKRE

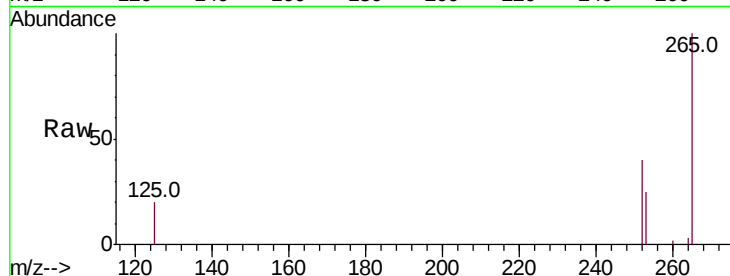
Tot Ion:252 Resp: 1551

Ion Ratio Lower Upper

252 100

253 62.0 20.2 30.4#

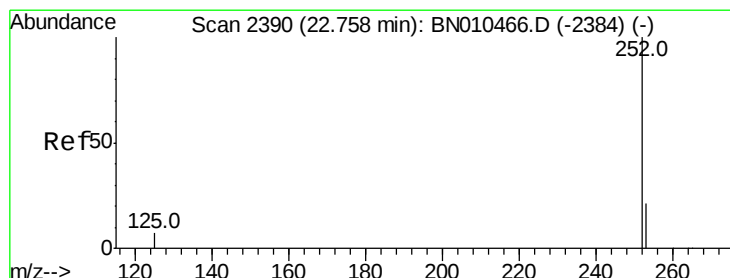
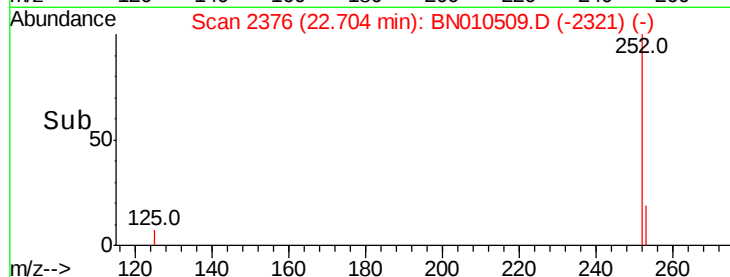
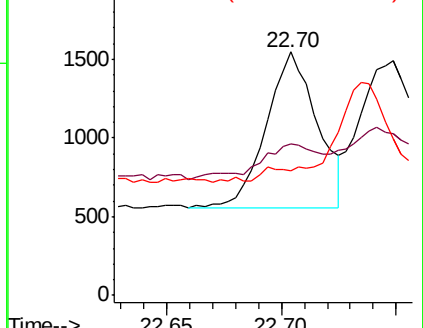
125 51.2 9.2 13.8#



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: 0.023 ng

RT: 22.75 min Scan# 2389

Delta R.T. -0.01 min

Lab File: BN010509.D

Acq: 15 Apr 2020 15:48

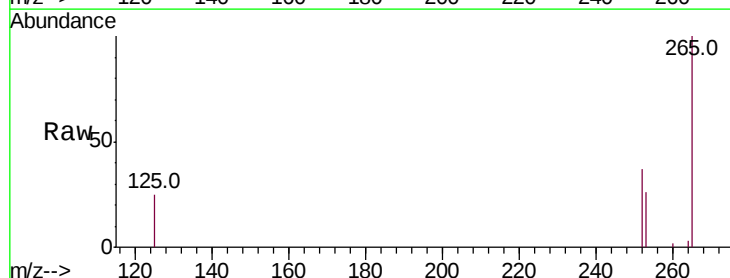
Tgt Ion:252 Resp: 1597

Ion Ratio Lower Upper

252 100

253 68.9 20.1 30.1#

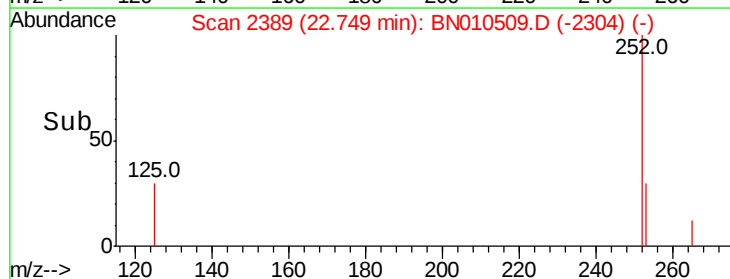
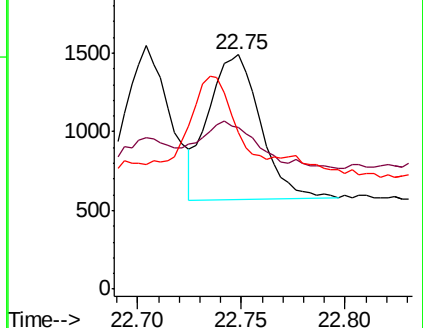
125 66.8 9.6 14.4#

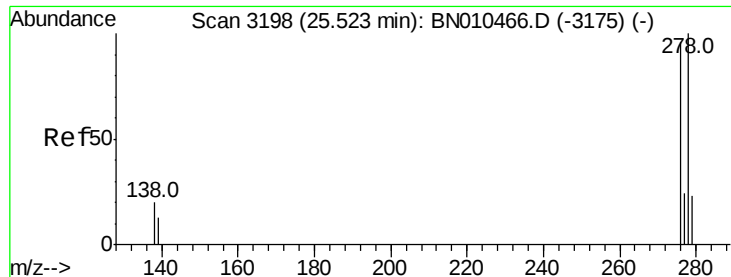


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Dibenzo(a,h)anthracene

Concen: 0.021 ng

RT: 25.51 min Scan# 3195

Delta R.T. -0.02 min

Lab File: BN010509.D

Acq: 15 Apr 2020 15:48

Instrument :

BNA_N

ClientSampleId :

FIELD-BLANKRE

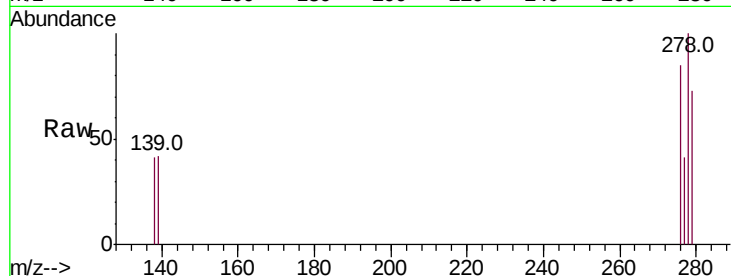
Tot Ion:278 Resp: 1202

Ion Ratio Lower Upper

278 100

139 42.1 12.3 18.5#

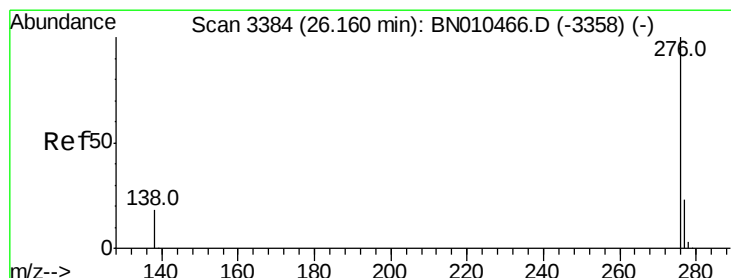
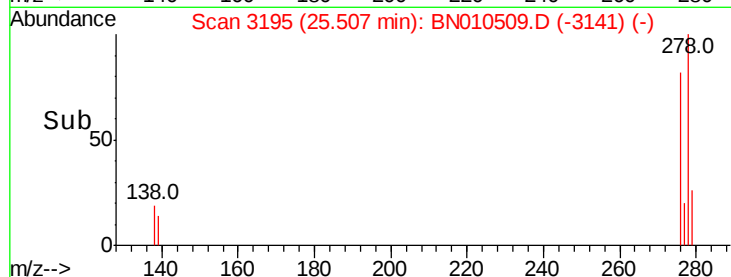
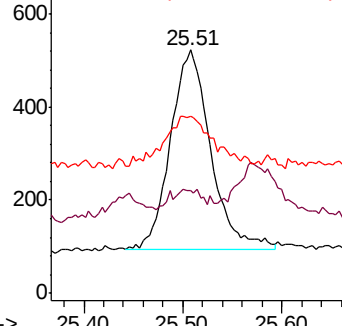
279 72.7 21.9 32.9#



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(g,h,i)perylene

Concen: 0.026 ng

RT: 26.14 min Scan# 3380

Delta R.T. -0.02 min

Lab File: BN010509.D

Acq: 15 Apr 2020 15:48

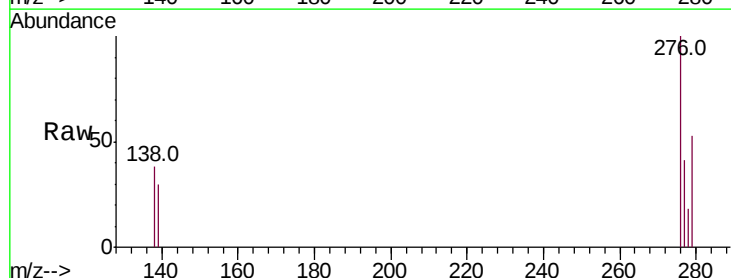
Tgt Ion:276 Resp: 1477

Ion Ratio Lower Upper

276 100

277 41.4 20.2 30.2#

138 38.1 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

