

Data Path : Z:\svoasrv\HPCHEM1\BNA N\Data\BN061120\
 Data File : BN010835.D
 Acq On : 11 Jun 2020 12:08
 Operator : CG/JU
 Sample : L2904-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 VE-4-11

Quant Time: Jun 11 12:57:22 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN061020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 10 15:14:26 2020
 Response via : Initial Calibration

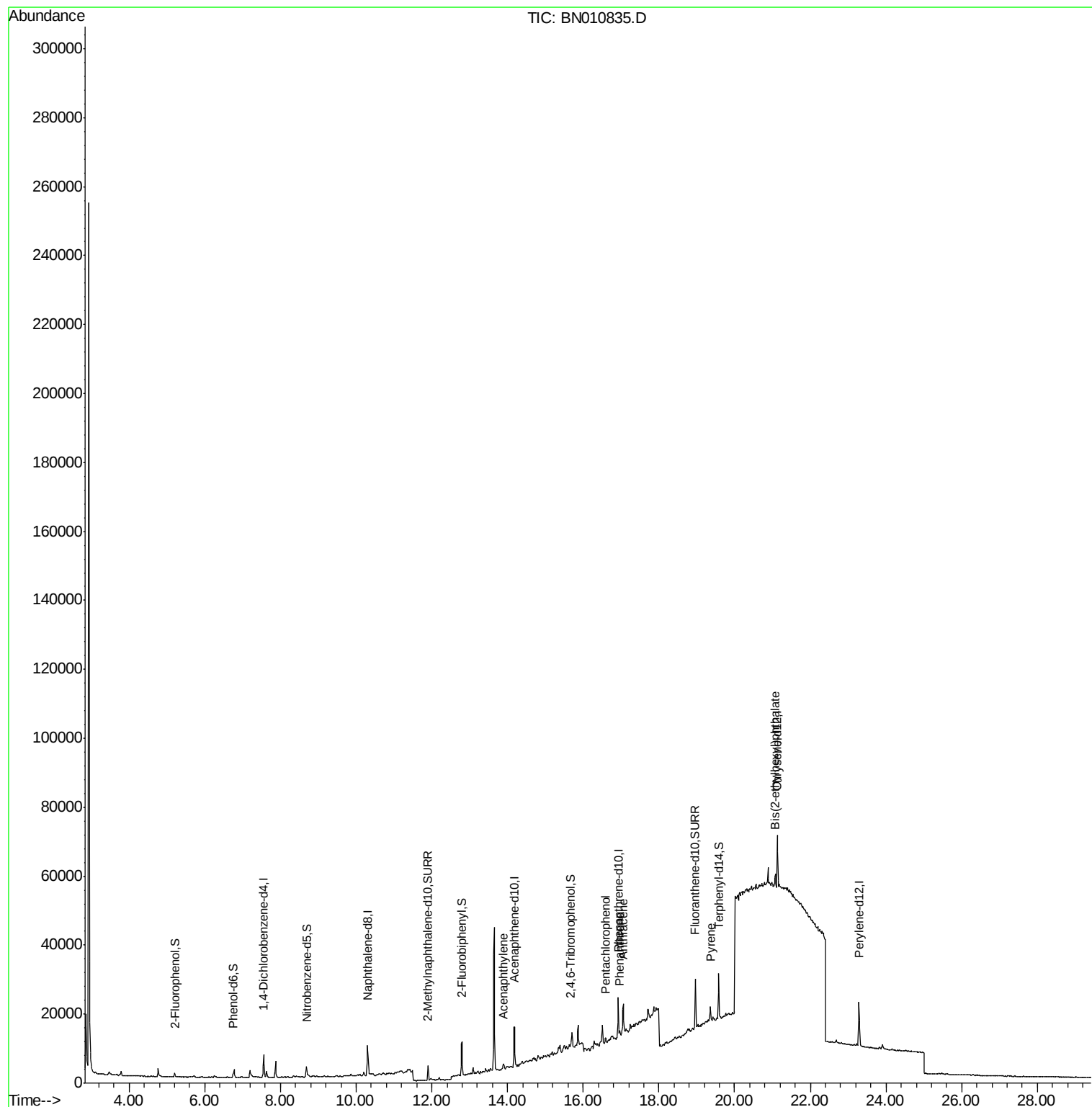
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	3355	0.40	ng	0.00
7) Naphthalene-d8	10.30	136	12232	0.40	ng	0.00
13) Acenaphthene-d10	14.18	164	7973	0.40	ng	0.00
19) Phenanthrene-d10	16.92	188	15640	0.40	ng	-0.01
27) Chrysene-d12	21.13	240	14879	0.40	ng	0.00
34) Perylene-d12	23.29	264	15638	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.21	112	1064	0.16	ng	0.00
5) Phenol-d6	6.75	99	755	0.10	ng	0.00
8) Nitrobenzene-d5	8.69	82	3357	0.37	ng	0.00
11) 2-Methylnaphthalene-d10	11.90	152	6222	0.33	ng	0.00
14) 2,4,6-Tribromophenol	15.67	330	1194	0.42	ng	-0.01
15) 2-Fluorobiphenyl	12.80	172	9857	0.31	ng	0.00
25) Fluoranthene-d10	18.96	212	15452	0.36	ng	0.00
29) Terphenyl-d14	19.58	244	13025	0.37	ng	0.00
Target Compounds						
16) Acenaphthylene	13.89	152	1230	0.038	ng	# 1
22) Pentachlorophenol	16.59	266	114	0.035	ng	# 76
23) Phenanthrene	16.96	178	1469	0.034	ng	# 1
24) Anthracene	17.06	178	9605	0.269	ng	# 87
28) Pyrene	19.36	202	4094	0.083	ng	# 83
32) Bis(2-ethylhexyl)phthalate	21.08	149	2387	0.164	ng	# 91

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.56 min Scan# 587

Delta R.T. -0.00 min

Lab File: BN010835.D

Acq: 11 Jun 2020 12:08

Instrument :

BNA_N

ClientSampleId :

VE-4-11

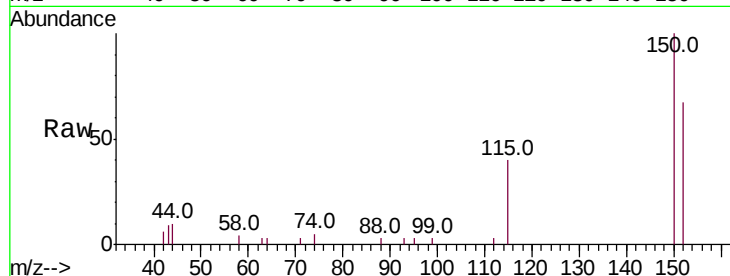
Tot Ion:152 Resp: 3355

Ion Ratio Lower Upper

152 100

150 148.8 123.8 185.6

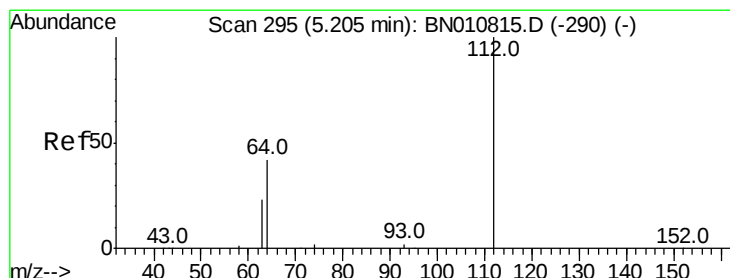
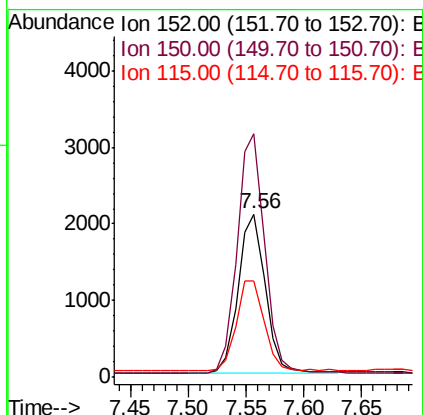
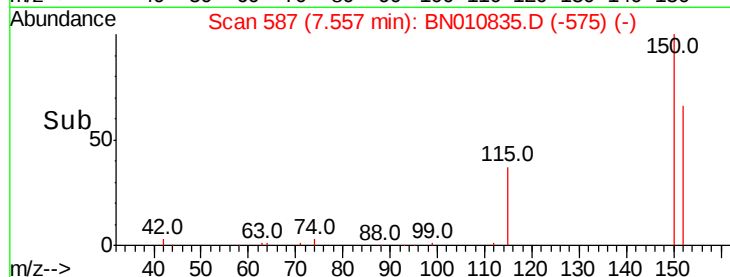
115 58.8 49.2 73.8



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



#4

2-Fluorophenol

Concen: 0.164 ng

RT: 5.21 min Scan# 295

Delta R.T. -0.00 min

Lab File: BN010835.D

Acq: 11 Jun 2020 12:08

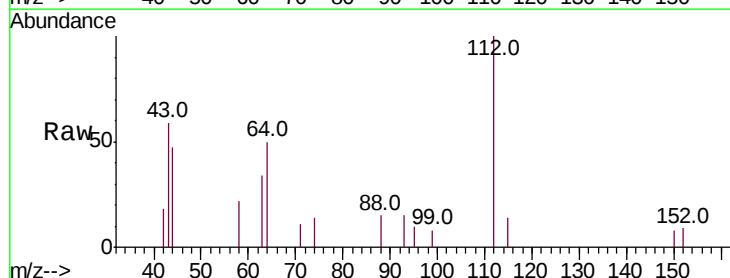
Tgt Ion:112 Resp: 1064

Ion Ratio Lower Upper

112 100

64 42.9 37.4 56.0

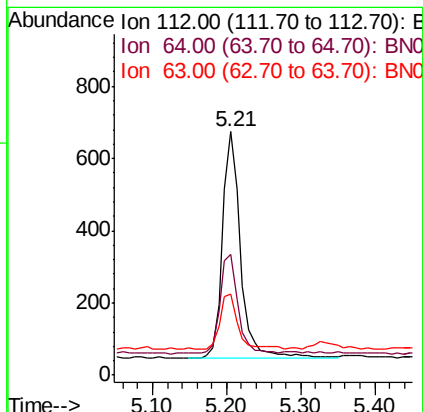
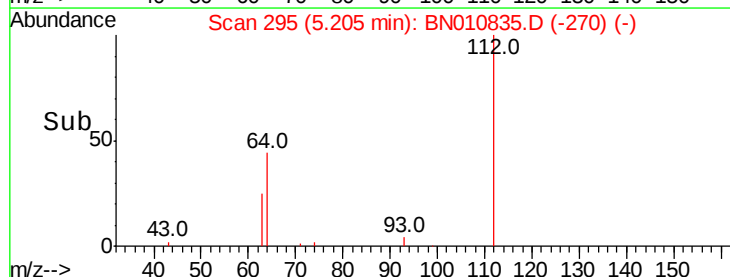
63 23.9 22.2 33.4

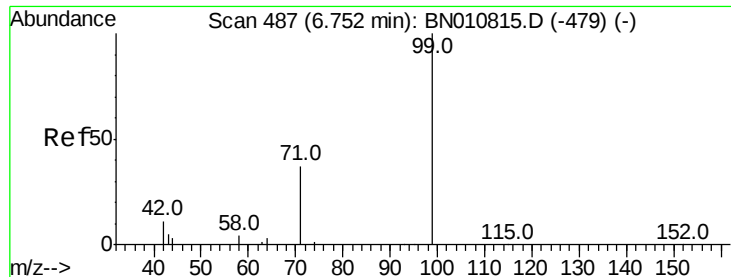


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.099 ng

RT: 6.75 min Scan# 487

Delta R.T. -0.00 min

Lab File: BN010835.D

Acq: 11 Jun 2020 12:08

Instrument :

BNA_N

ClientSampleId :

VE-4-11

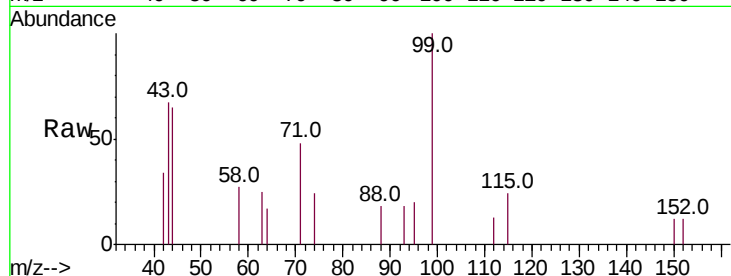
Tot Ion: 99 Resp: 755

Ion Ratio Lower Upper

99 100

42 30.2 11.1 16.7#

71 56.2 31.4 47.2#



Abundance Ion 99.00 (98.70 to 99.70): BN010835.D (-479) (-)

Ion 42.00 (41.70 to 42.70): BN010835.D (-479) (-)

Ion 71.00 (70.70 to 71.70): BN010835.D (-479) (-)

6.75

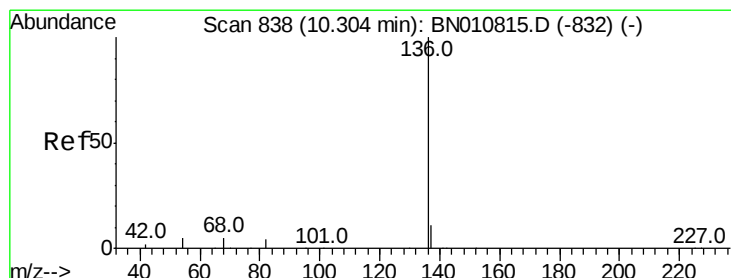
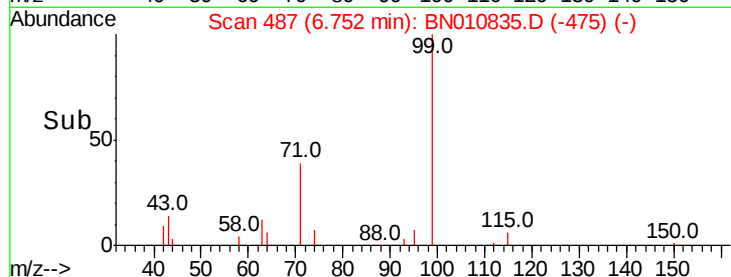
400

200

0

6.70 6.80

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.30 min Scan# 838

Delta R.T. -0.00 min

Lab File: BN010835.D

Acq: 11 Jun 2020 12:08

Tgt Ion: 136 Resp: 12232

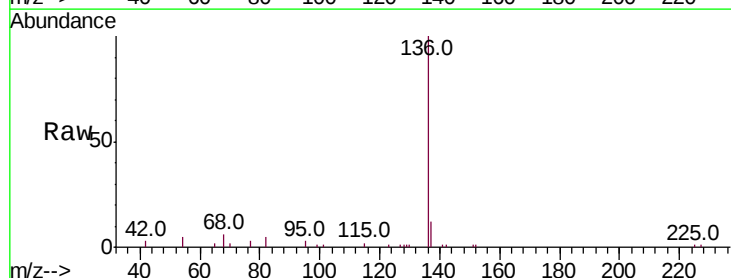
Ion Ratio Lower Upper

136 100

137 11.8 9.7 14.5

54 4.8 4.9 7.3#

68 6.1 4.7 7.1



Abundance Ion 136.00 (135.70 to 136.70): BN010835.D (-832) (-)

Ion 137.00 (136.70 to 137.70): BN010835.D (-832) (-)

Ion 54.00 (53.70 to 54.70): BN010835.D (-832) (-)

Ion 68.00 (67.70 to 68.70): BN010835.D (-832) (-)

10.30

10000

8000

6000

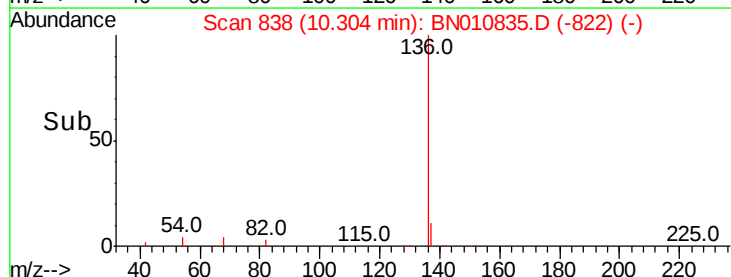
4000

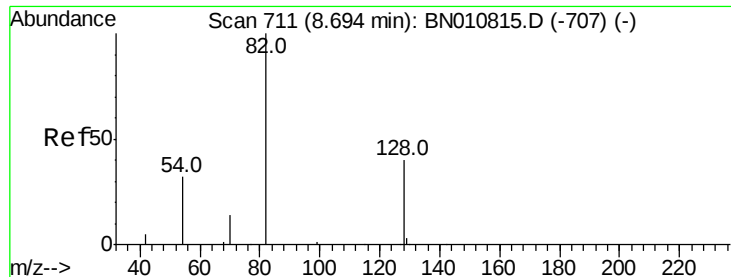
2000

0

10.20 10.30 10.40 10.50

Time-->

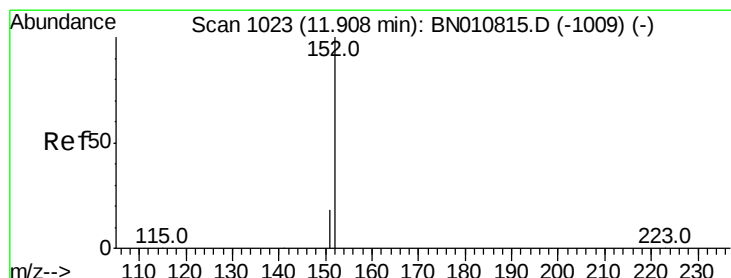
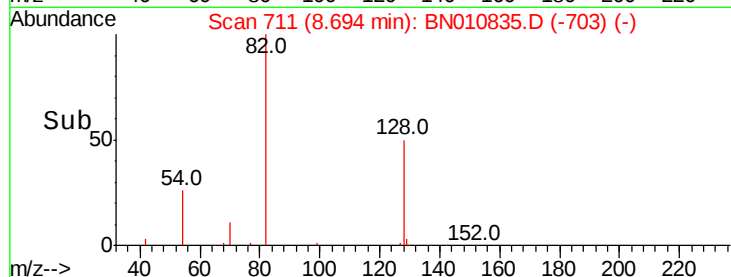
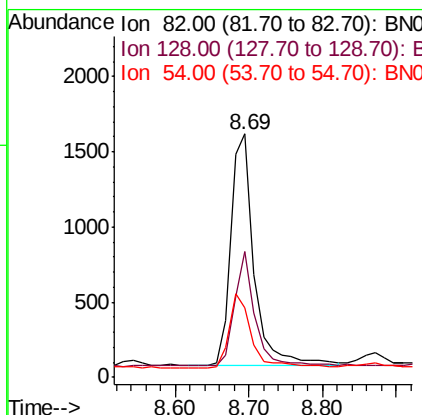
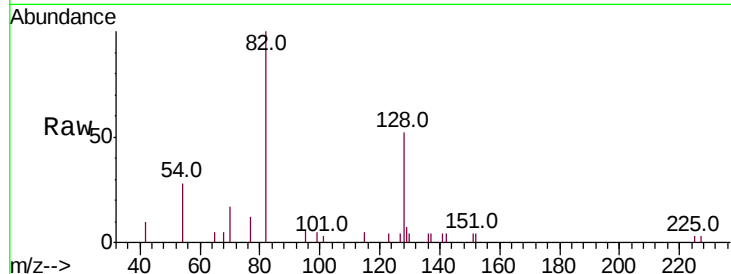




#8
 Nitrobenzene-d5
 Concen: 0.371 ng
 RT: 8.69 min Scan# 711
 Delta R.T. -0.00 min
 Lab File: BN010835.D
 Acq: 11 Jun 2020 12:08

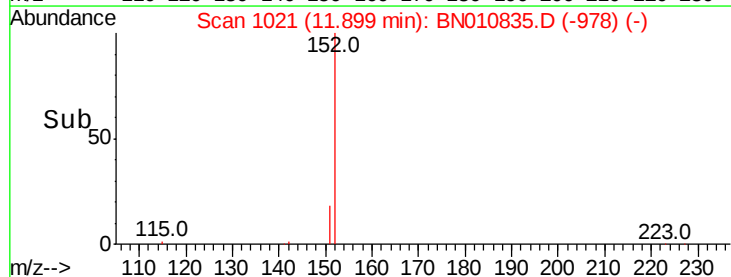
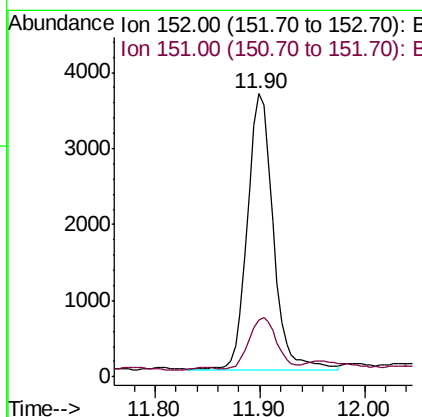
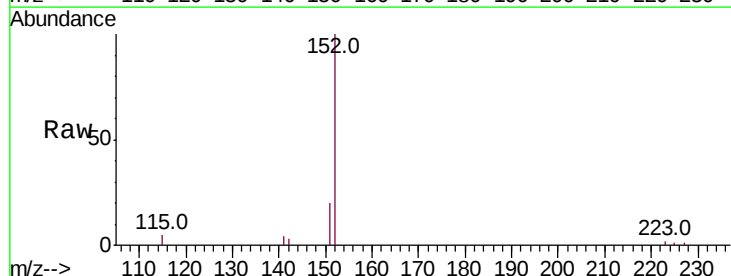
Instrument :
 BNA_N
 ClientSampleId :
 VE-4-11

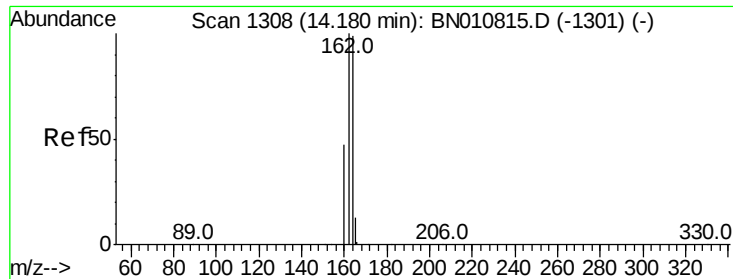
Tot Ion	82	Resp	3357
Ion Ratio	Lower	Upper	
82	100		
128	51.9	35.4	53.0
54	28.5	28.2	42.4



#11
 2-Methylnaphthalene-d10
 Concen: 0.328 ng
 RT: 11.90 min Scan# 1021
 Delta R.T. -0.01 min
 Lab File: BN010835.D
 Acq: 11 Jun 2020 12:08

Tgt Ion	152	Resp	6222
Ion Ratio	Lower	Upper	
152	100		
151	19.4	15.3	22.9





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.18 min Scan# 1308

Delta R.T. -0.00 min

Lab File: BN010835.D

Acq: 11 Jun 2020 12:08

Instrument :

BNA_N

ClientSampleId :

VE-4-11

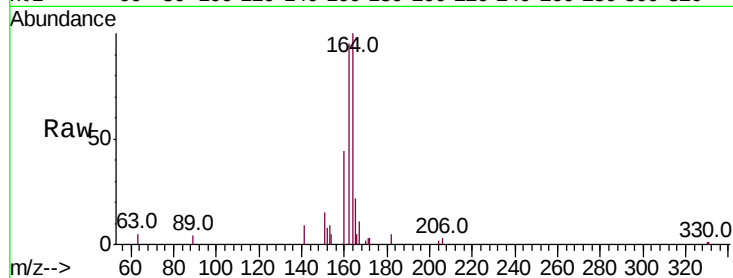
Tot Ion:164 Resp: 7973

Ion Ratio Lower Upper

164 100

162 94.8 81.0 121.6

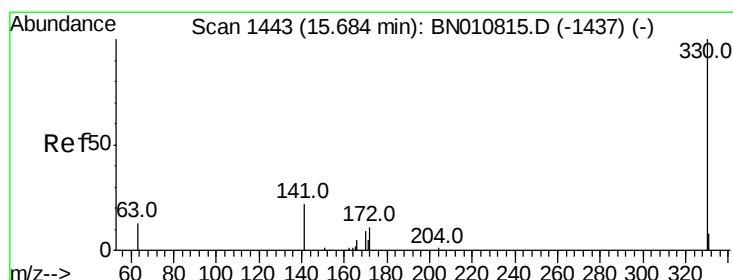
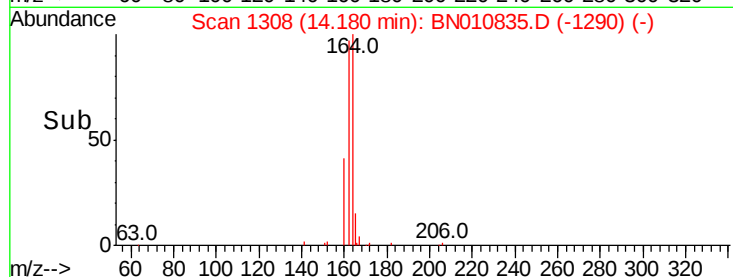
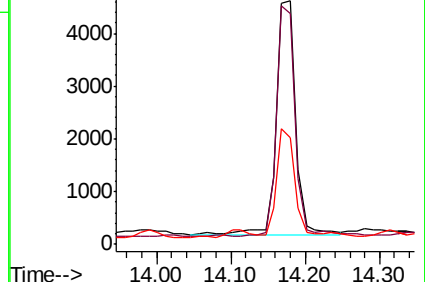
160 43.8 38.9 58.3



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: 0.419 ng

RT: 15.67 min Scan# 1442

Delta R.T. -0.01 min

Lab File: BN010835.D

Acq: 11 Jun 2020 12:08

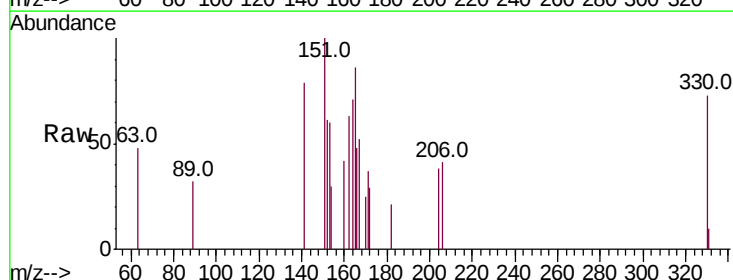
Tgt Ion:330 Resp: 1194

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

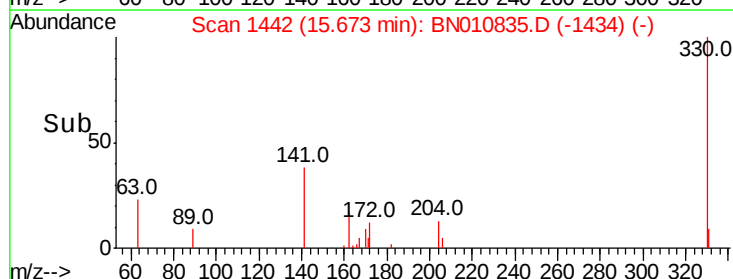
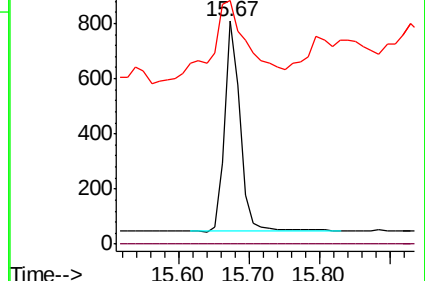
141 65.0 33.2 49.8#

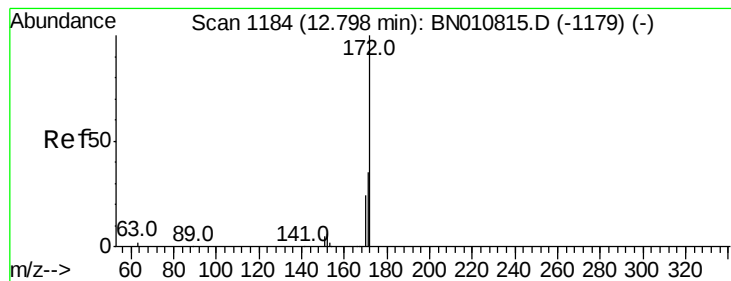


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.313 ng

RT: 12.80 min Scan# 1184

Delta R.T. -0.00 min

Lab File: BN010835.D

Acq: 11 Jun 2020 12:08

Instrument :

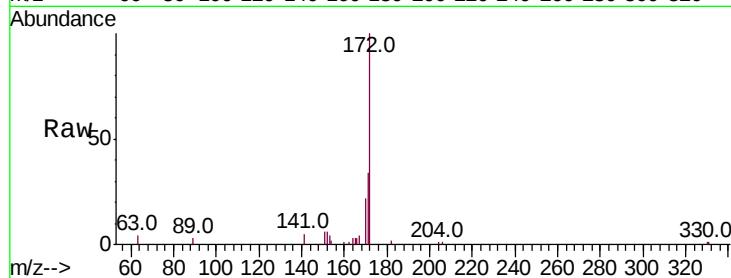
BNA_N

ClientSampleId :

VE-4-11

Tot Ion:172 Resp: 9857

Ion	Ratio	Lower	Upper
172	100		
171	33.9	28.5	42.7
170	22.4	19.7	29.5

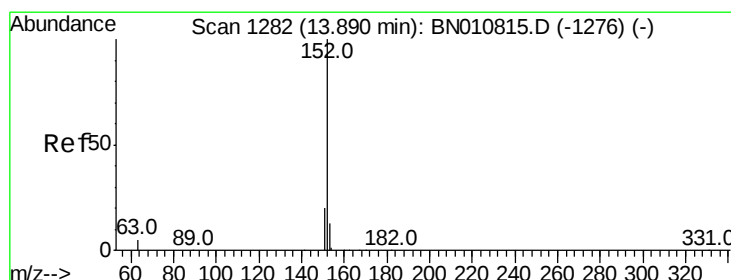
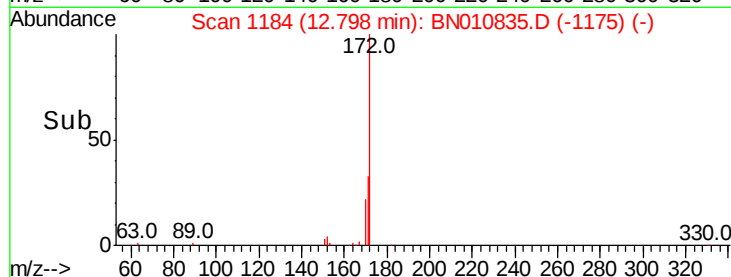
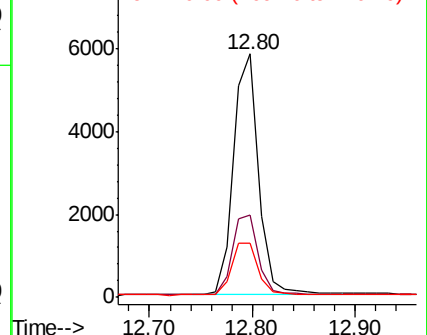


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16

Acenaphthylene

Concen: 0.038 ng

RT: 13.89 min Scan# 1282

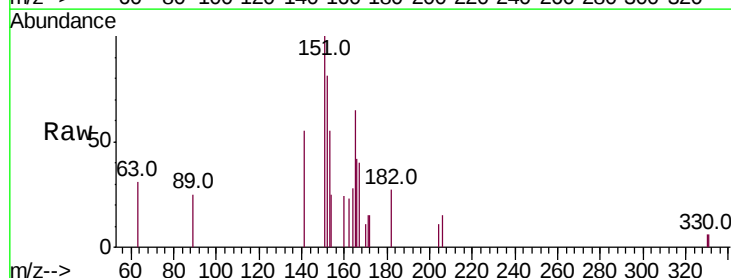
Delta R.T. -0.00 min

Lab File: BN010835.D

Acq: 11 Jun 2020 12:08

Tgt Ion:152 Resp: 1230

Ion	Ratio	Lower	Upper
152	100		
151	156.3	15.6	23.4#
153	24.4	10.6	16.0#

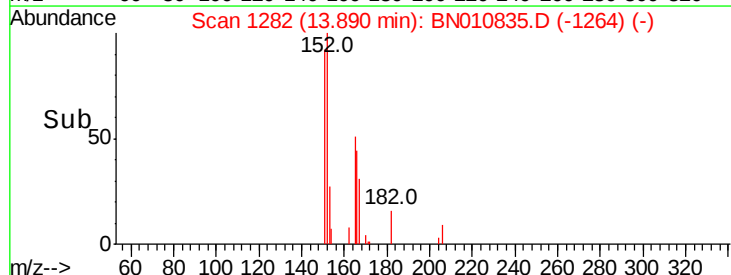
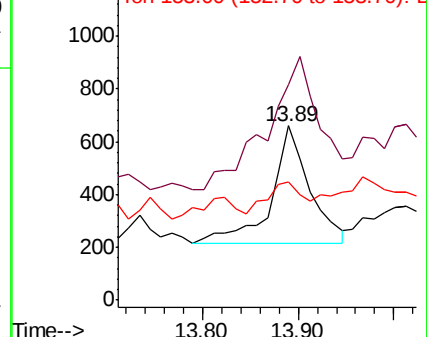


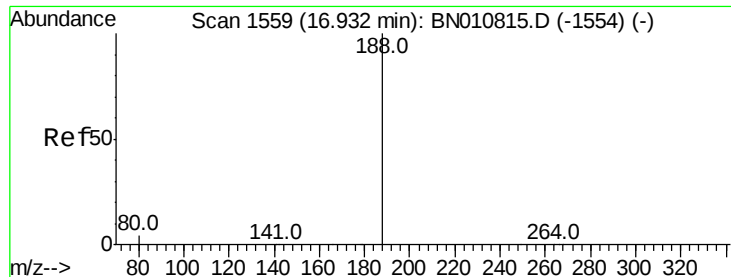
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.92 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BN010835.D

Acq: 11 Jun 2020 12:08

Instrument :

BNA_N

ClientSampled :

VE-4-11

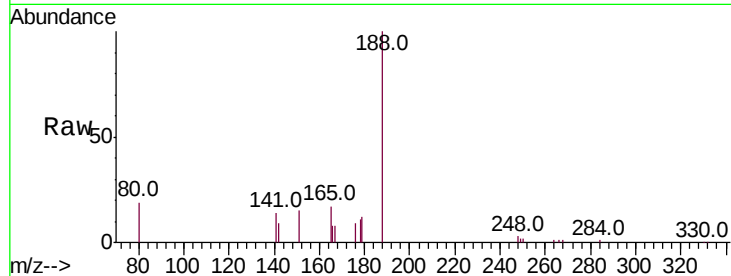
Tot Ion:188 Resp: 15640

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

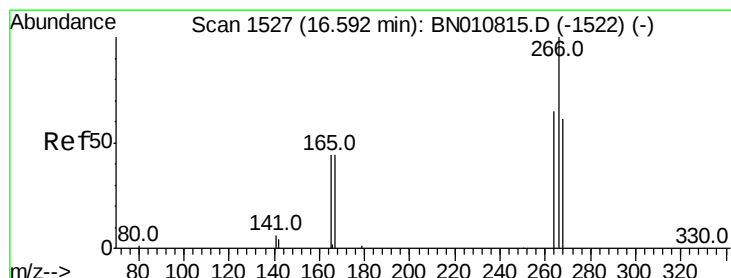
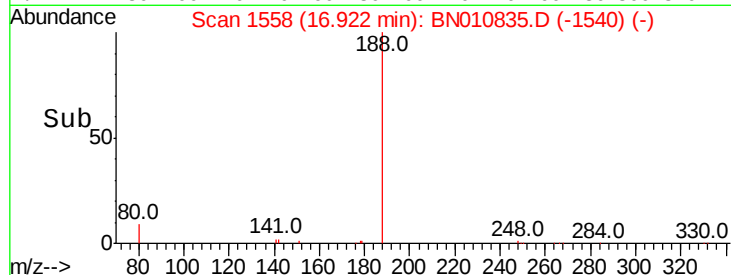
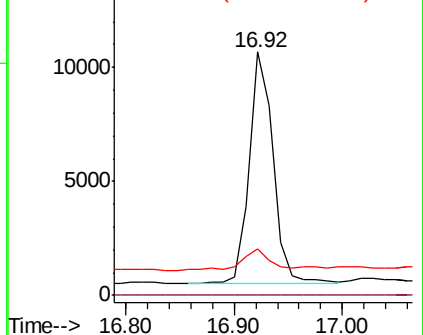
80 19.2 4.5 6.7#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC



#22

Pentachlorophenol

Concen: 0.035 ng

RT: 16.59 min Scan# 1527

Delta R.T. -0.00 min

Lab File: BN010835.D

Acq: 11 Jun 2020 12:08

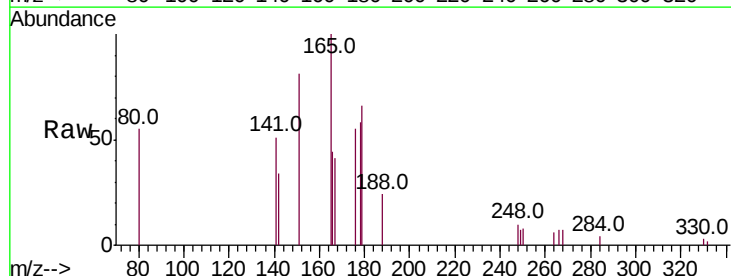
Tgt Ion:266 Resp: 114

Ion Ratio Lower Upper

266 100

264 80.4 54.8 82.2

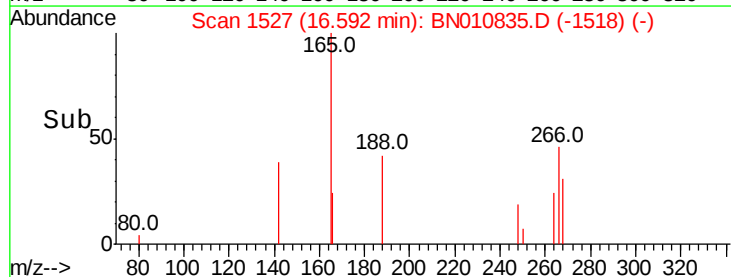
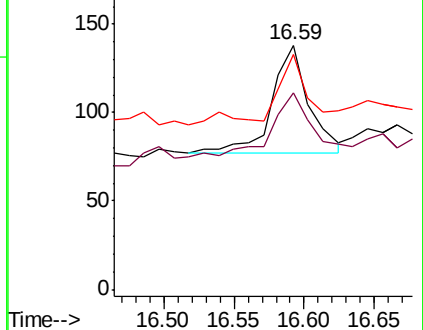
268 96.4 55.9 83.9#

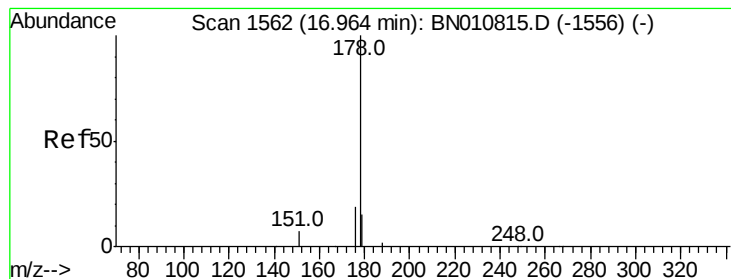


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.034 ng

RT: 16.96 min Scan# 1562

Delta R.T. -0.00 min

Lab File: BN010835.D

Acq: 11 Jun 2020 12:08

Instrument :

BNA_N

ClientSampleId :

VE-4-11

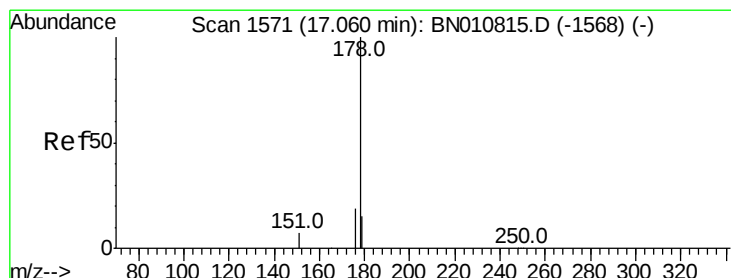
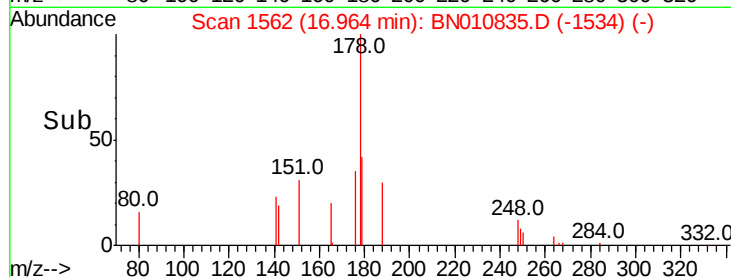
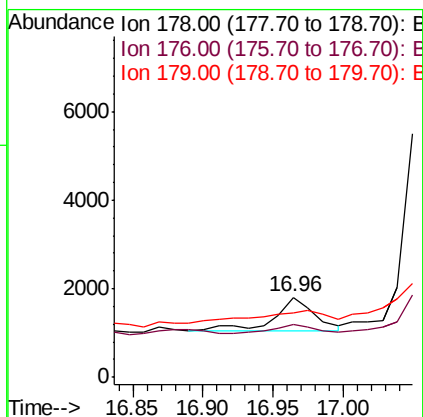
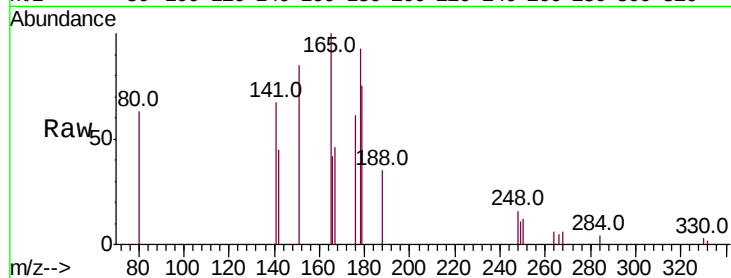
Tot Ion:178 Resp: 1469

Ion Ratio Lower Upper

178 100

176 25.0 15.3 22.9#

179 107.6 12.6 19.0#



#24

Anthracene

Concen: 0.269 ng

RT: 17.06 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BN010835.D

Acq: 11 Jun 2020 12:08

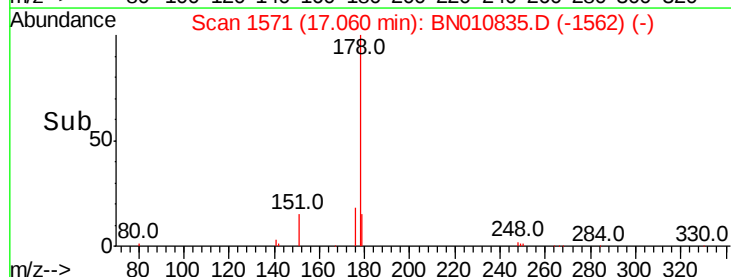
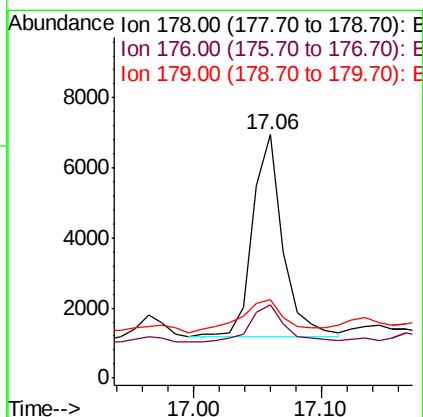
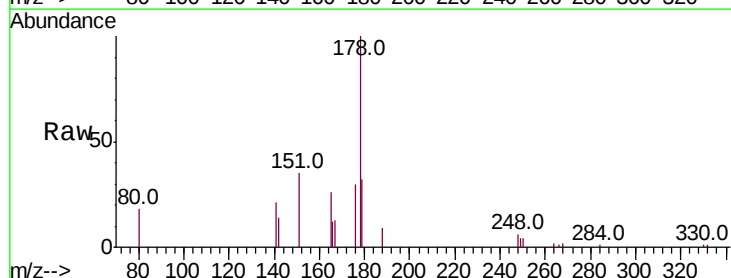
Tgt Ion:178 Resp: 9605

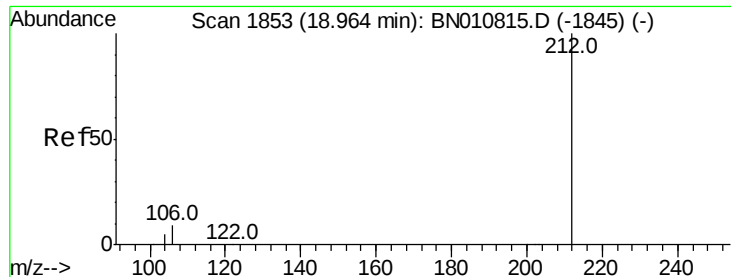
Ion Ratio Lower Upper

178 100

176 22.3 14.6 22.0#

179 23.0 12.3 18.5#





#25

Fluoranthene-d10

Concen: 0.358 ng

RT: 18.96 min Scan# 1853

Delta R.T. -0.00 min

Lab File: BN010835.D

Acq: 11 Jun 2020 12:08

Instrument :

BNA_N

ClientSampleId :

VE-4-11

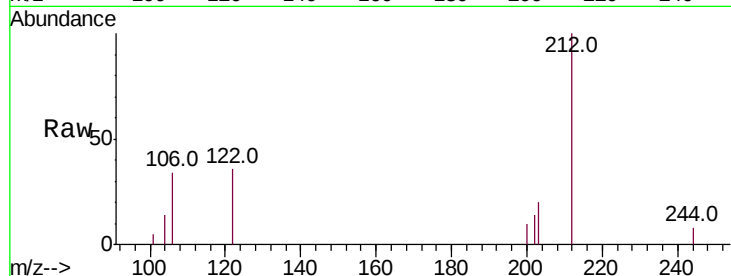
Tot Ion:212 Resp: 15452

Ion Ratio Lower Upper

212 100

106 14.3 6.6 10.0#

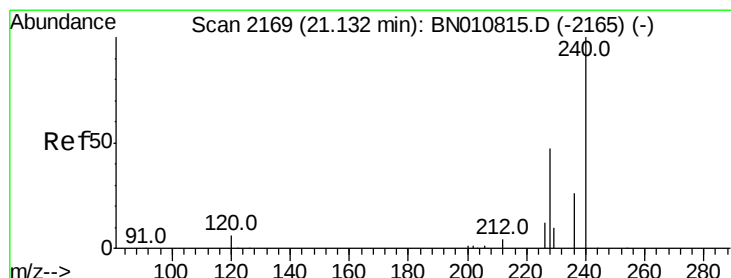
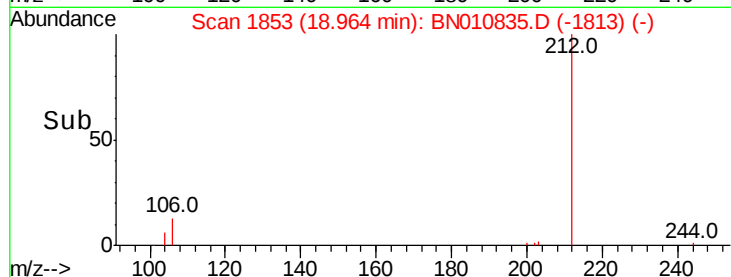
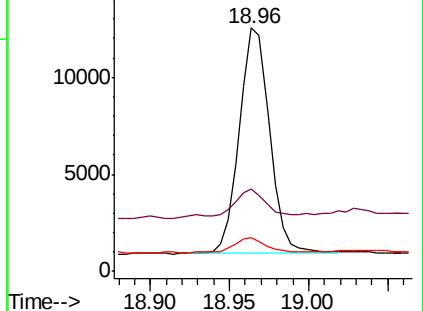
104 7.3 4.0 6.0#



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: 21.13 min Scan# 2169

Delta R.T. -0.00 min

Lab File: BN010835.D

Acq: 11 Jun 2020 12:08

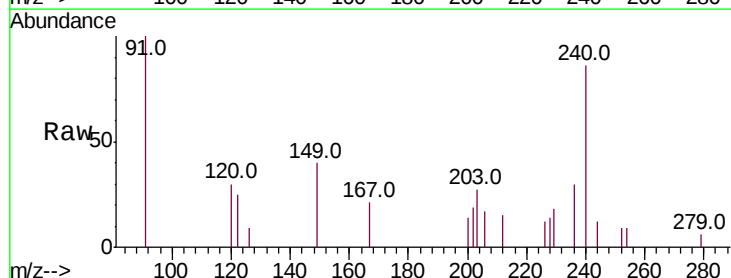
Tgt Ion:240 Resp: 14879

Ion Ratio Lower Upper

240 100

120 34.4 7.5 11.3#

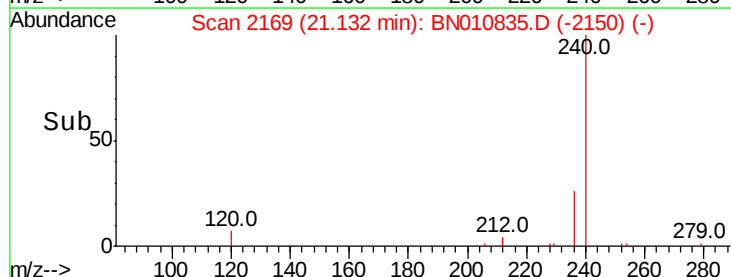
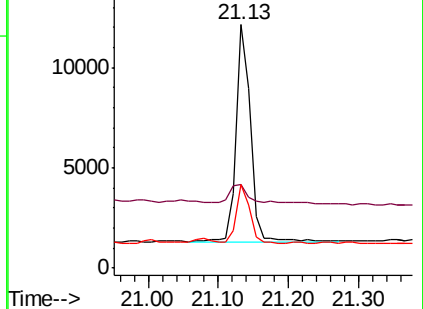
236 34.1 22.3 33.5#

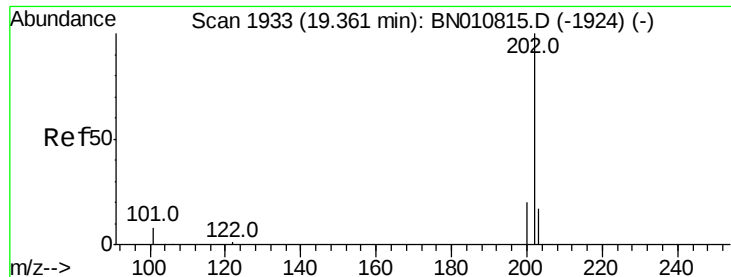


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#28

Pvrene

Concen: 0.083 ng

RT: 19.36 min Scan# 1933

Delta R.T. -0.00 min

Lab File: BN010835.D

Acq: 11 Jun 2020 12:08

Instrument :

BNA_N

ClientSampleId :

VE-4-11

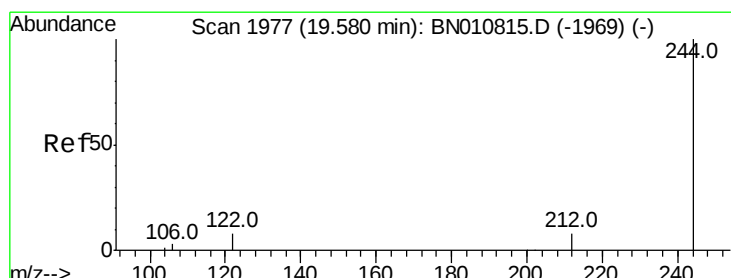
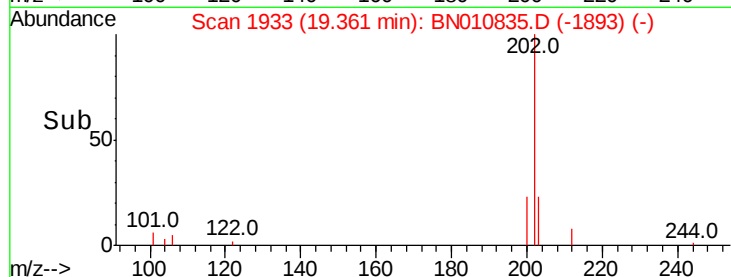
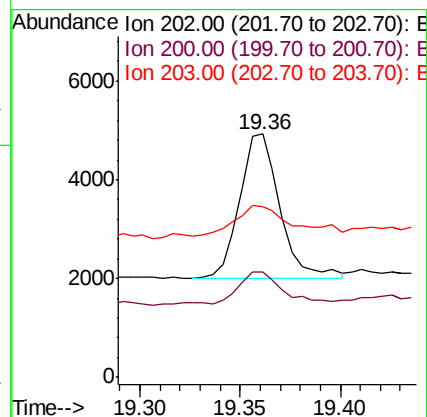
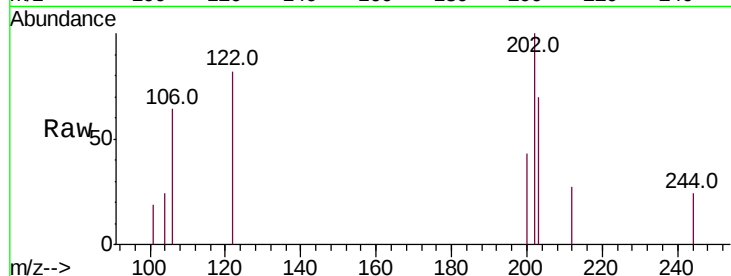
Tot Ion:202 Resp: 4094

Ion Ratio Lower Upper

202 100

200 23.4 16.4 24.6

203 30.7 14.2 21.4#



#29

Terphenyl-d14

Concen: 0.374 ng

RT: 19.58 min Scan# 1977

Delta R.T. -0.00 min

Lab File: BN010835.D

Acq: 11 Jun 2020 12:08

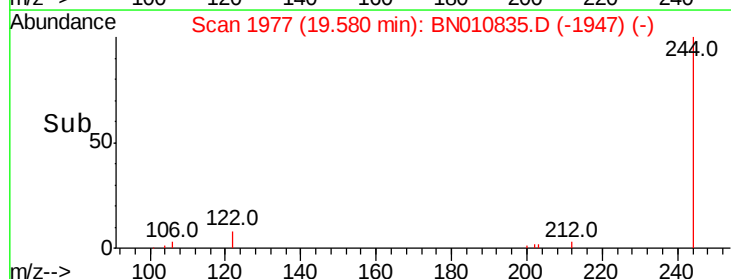
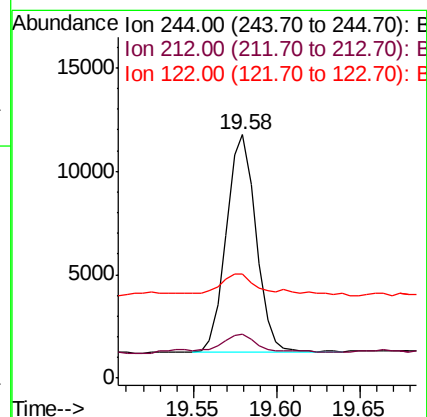
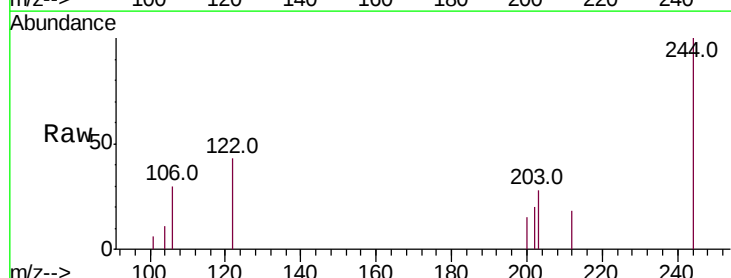
Tgt Ion:244 Resp: 13025

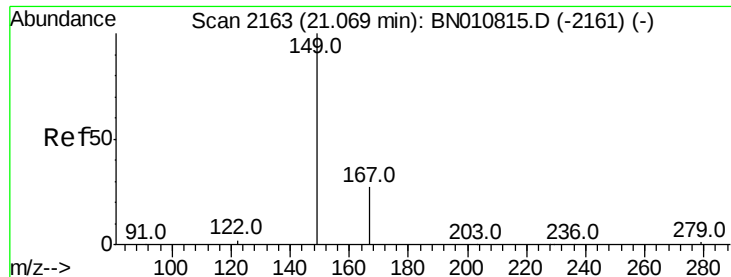
Ion Ratio Lower Upper

244 100

212 18.1 7.4 11.2#

122 42.6 7.5 11.3#





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.164 ng

RT: 21.08 min Scan# 2164

Delta R.T. 0.01 min

Lab File: BN010835.D

Acq: 11 Jun 2020 12:08

Instrument :

BNA_N

ClientSampleId :

VE-4-11

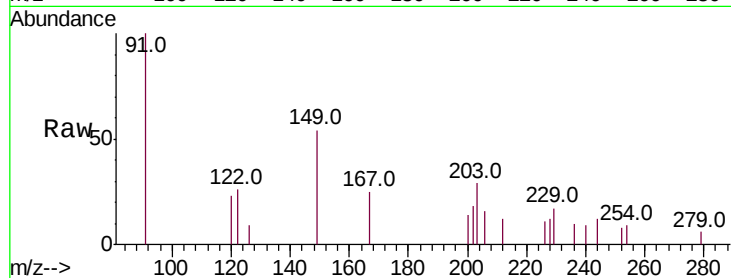
Tot Ion:149 Resp: 2387

Ion Ratio Lower Upper

149 100

167 35.1 24.1 36.1

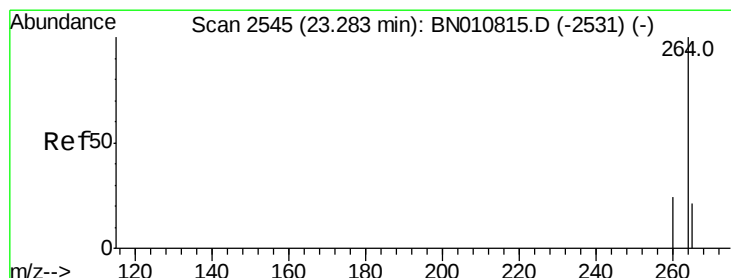
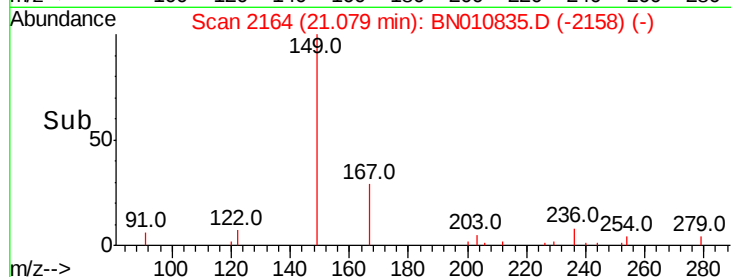
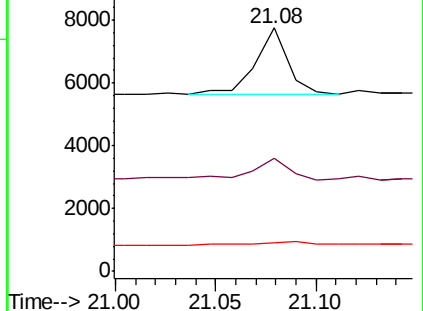
279 8.6 4.6 7.0#



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.29 min Scan# 2546

Delta R.T. 0.00 min

Lab File: BN010835.D

Acq: 11 Jun 2020 12:08

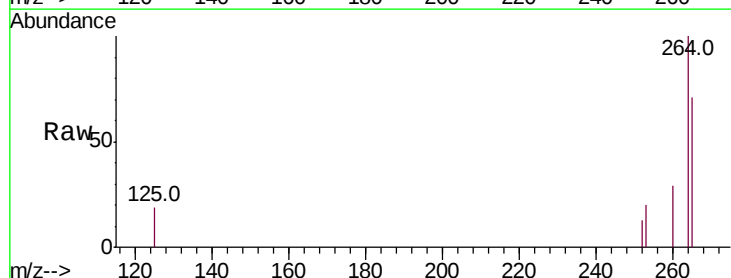
Tgt Ion:264 Resp: 15638

Ion Ratio Lower Upper

264 100

260 29.3 20.4 30.6

265 70.7 75.0 112.4#



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

