

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN110519\
 Data File : BN008447.D
 Acq On : 05 Nov 2019 14:55
 Operator : JU
 Sample : SSTD3.207
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Nov 07 10:51:06 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN110519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 07 10:46:19 2019
 Response via : Initial Calibration

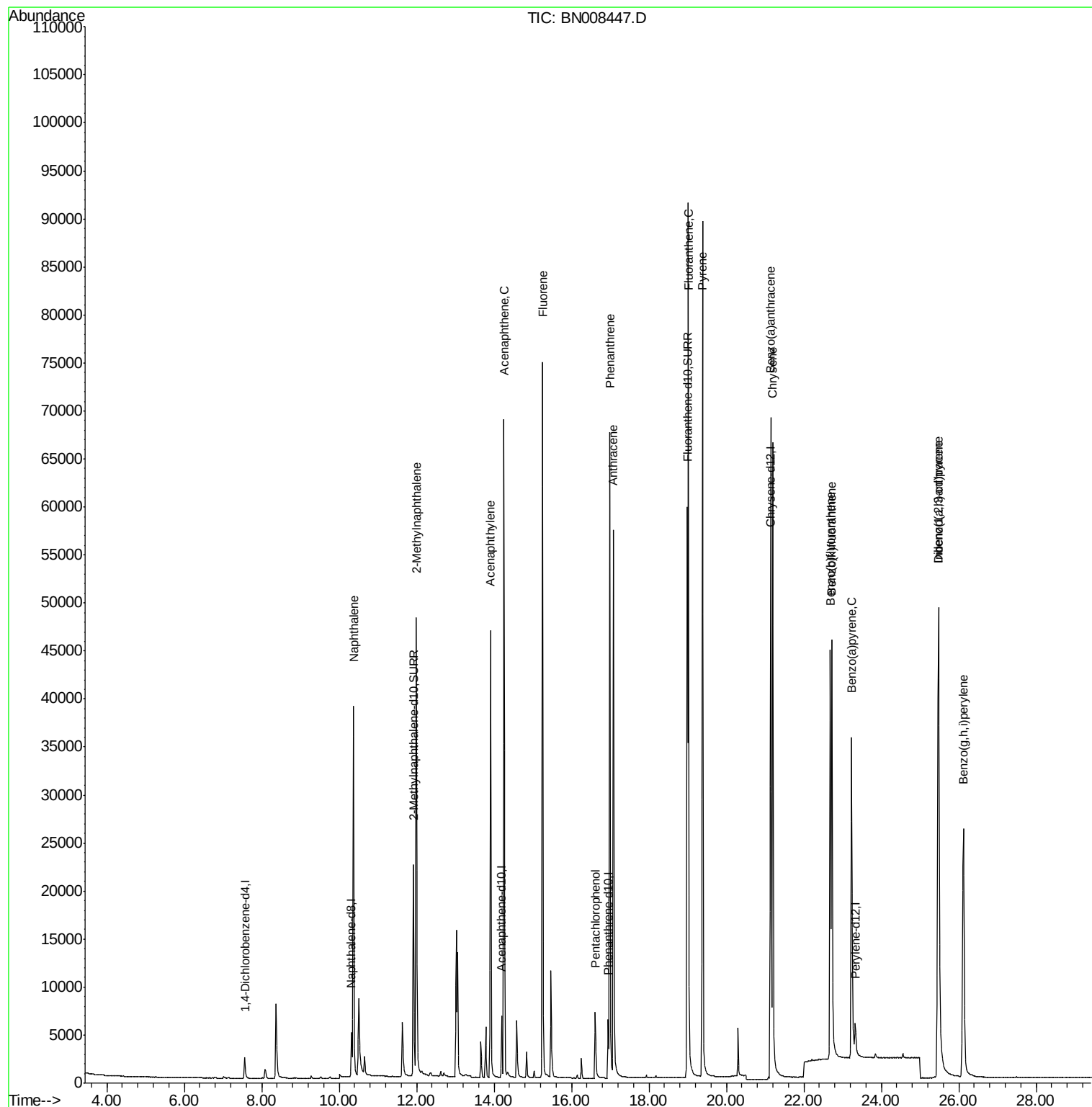
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	1445	0.40	ng/ul	0.00
2) Naphthalene-d8	10.32	136	6282	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.19	164	3455	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.95	188	7422	0.40	ng/ul	0.00
16) Chrysene-d12	21.16	240	5336	0.40	ng/ul	0.00
20) Perylene-d12	23.33	264	4468	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.92	152	31891	3.01	ng/ul	0.00
14) Fluoranthene-d10	18.99	212	68796	2.68	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.37	128	54619	3.054	ng/ul	96
5) 2-Methylnaphthalene	11.99	142	37969	3.095	ng/ul	98
7) Acenaphthylene	13.91	152	54588	3.317	ng/ul	98
8) Acenaphthene	14.26	153	41384	3.234	ng/ul	98
9) Fluorene	15.25	166	46966	3.232	ng/ul	99
11) Pentachlorophenol	16.61	266	5726	3.189	ng/ul	99
12) Phenanthrene	16.99	178	71713	3.300	ng/ul	98
13) Anthracene	17.08	178	68118	3.562	ng/ul	97
15) Fluoranthene	19.01	202	80584	2.808	ng/ul	98
17) Pyrene	19.38	202	79757	3.754	ng/ul	98
18) Benzo(a)anthracene	21.14	228	62583	3.226	ng/ul	97
19) Chrysene	21.20	228	68180	2.864	ng/ul	97
21) Benzo(b)fluoranthene	22.68	252	54724	3.762	ng/ul	77
22) Benzo(k)fluoranthene	22.72	252	59040	3.583	ng/ul#	87
23) Benzo(a)pyrene	23.23	252	52676	3.442	ng/ul#	63
24) Indeno(1,2,3-cd)pyrene	25.47	276	62230	3.452	ng/ul#	96
25) Dibenzo(a,h)anthracene	25.48	278	50402	3.537	ng/ul#	88
26) Benzo(g,h,i)perylene	26.12	276	54453	3.294	ng/ul	94

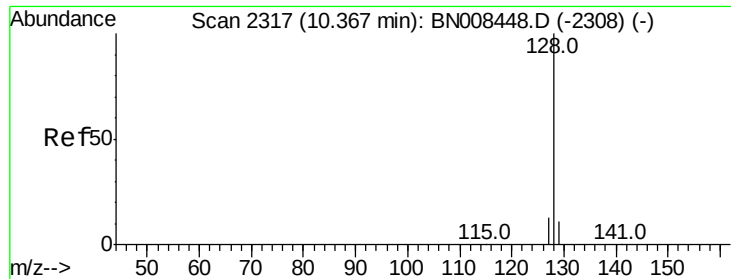
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 3.054 ng/ul

RT: 10.37 min Scan# 2317

Delta R.T. 0.00 min

Lab File: BN008447.D

Acq: 05 Nov 2019 14:55

Instrument :

BNA_N

ClientSampleId :

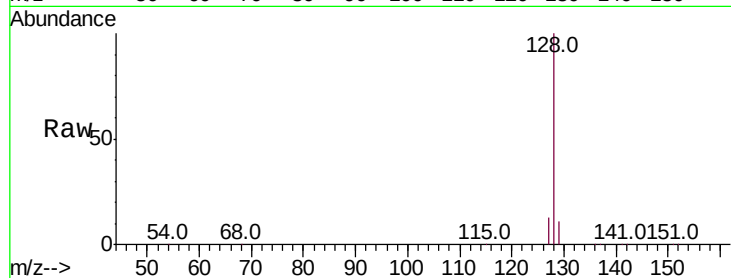
Tot Ion:128 Resp: 54619

Ion Ratio Lower Upper

128 100

129 11.0 10.0 15.0

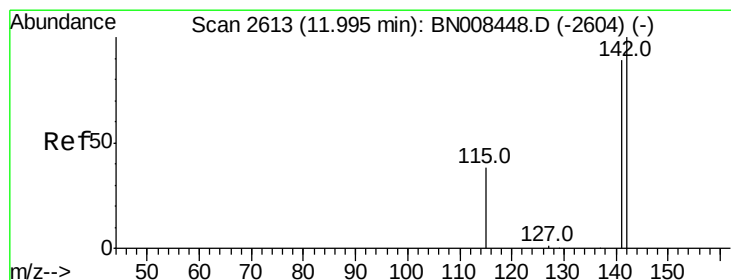
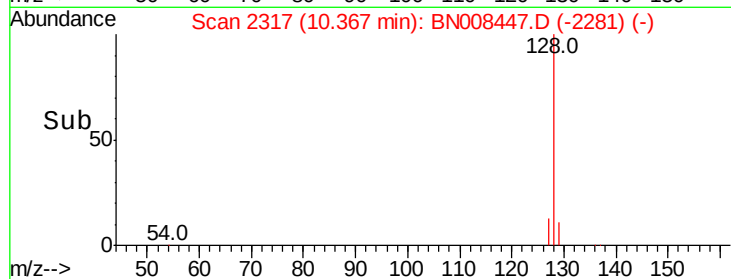
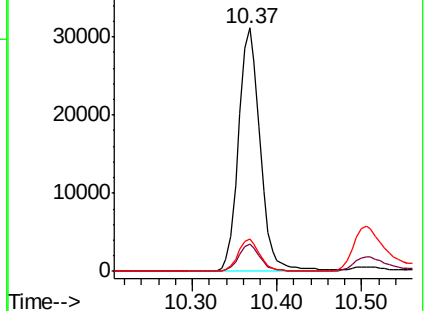
127 13.2 11.6 17.4



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



#5

2-Methylnaphthalene

Concen: 3.095 ng/ul

RT: 11.99 min Scan# 2612

Delta R.T. -0.01 min

Lab File: BN008447.D

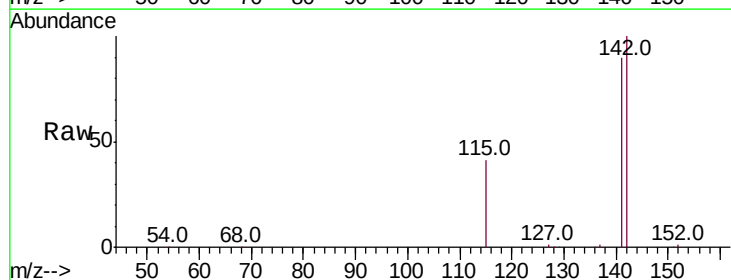
Acq: 05 Nov 2019 14:55

Tgt Ion:142 Resp: 37969

Ion Ratio Lower Upper

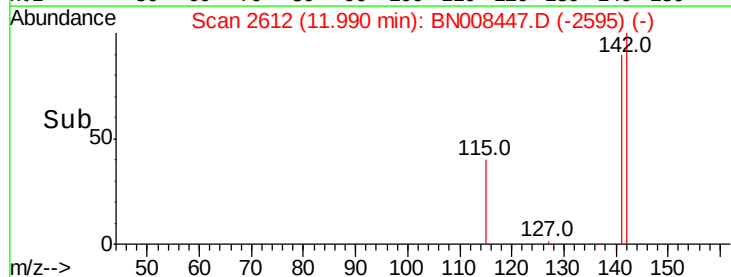
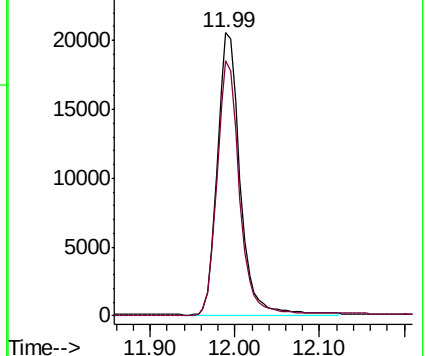
142 100

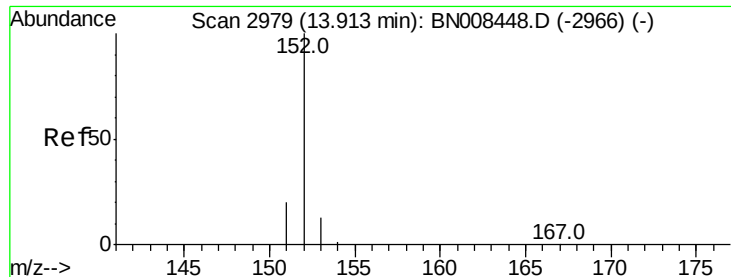
141 89.3 72.8 109.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 3.317 ng/ul

RT: 13.91 min Scan# 2978

Delta R.T. -0.00 min

Lab File: BN008447.D

Acq: 05 Nov 2019 14:55

Instrument :

BNA_N

ClientSampleId :

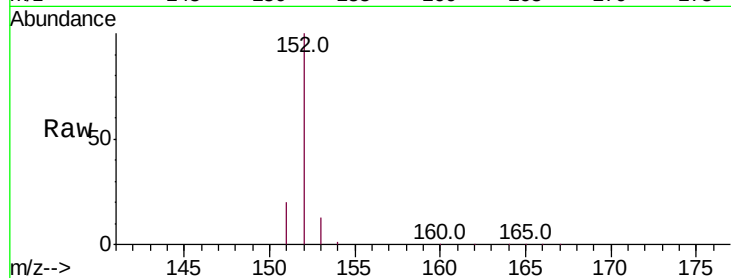
Tot Ion:152 Resp: 54588

Ion Ratio Lower Upper

152 100

151 20.0 16.7 25.1

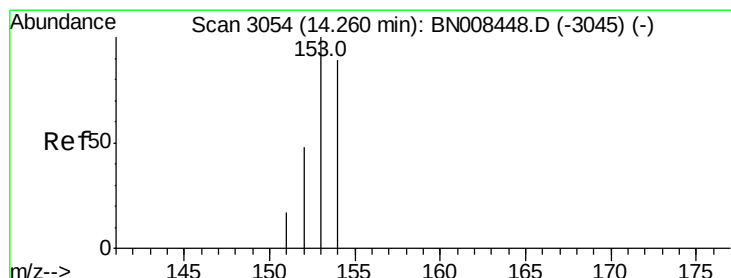
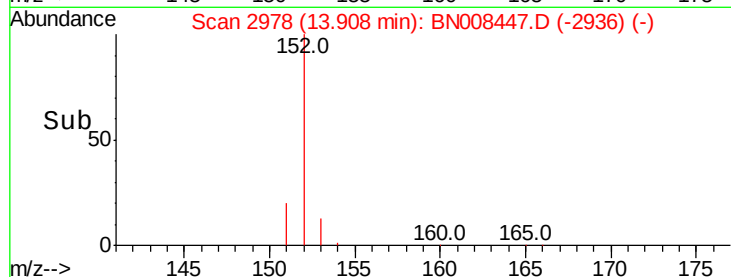
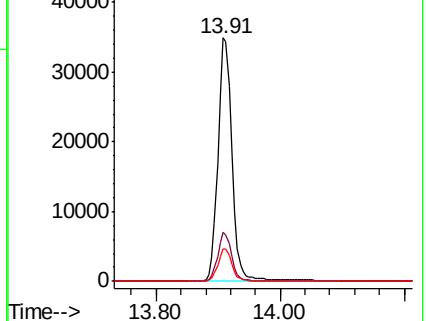
153 13.2 11.4 17.2



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



#8

Acenaphthene

Concen: 3.234 ng/ul

RT: 14.26 min Scan# 3053

Delta R.T. -0.00 min

Lab File: BN008447.D

Acq: 05 Nov 2019 14:55

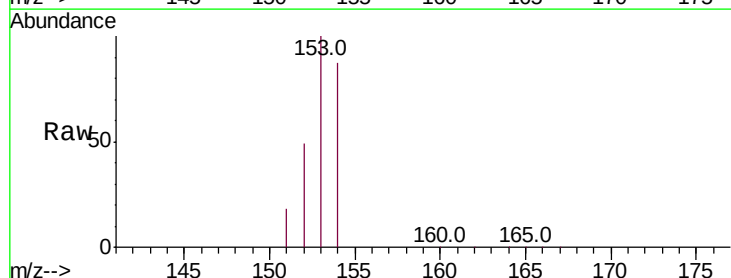
Tgt Ion:153 Resp: 41384

Ion Ratio Lower Upper

153 100

152 48.5 39.8 59.8

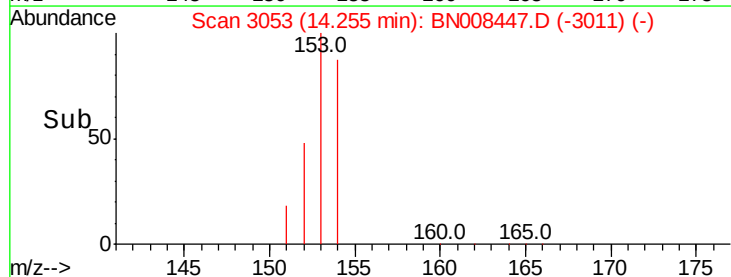
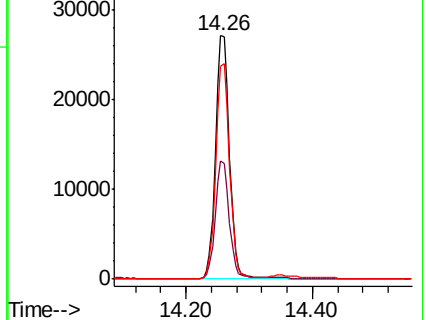
154 87.2 71.6 107.4

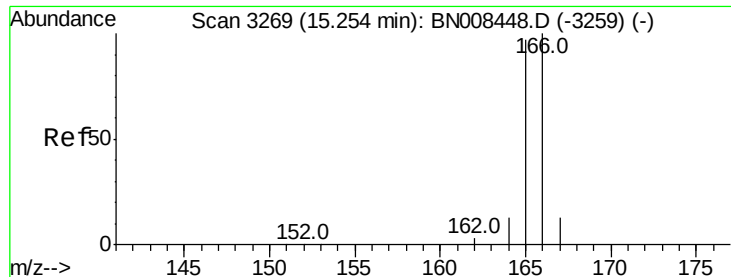


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

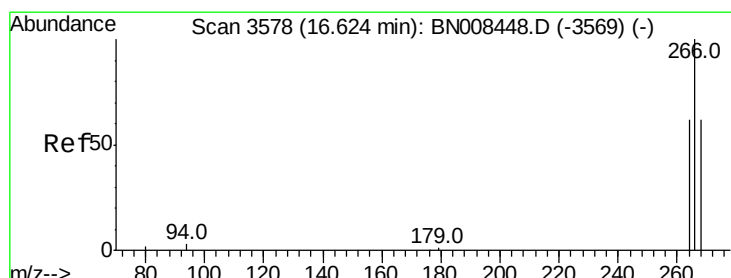
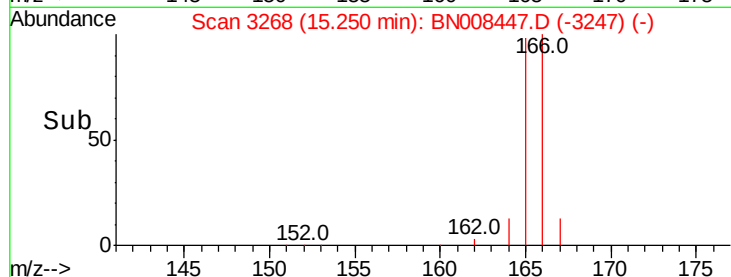
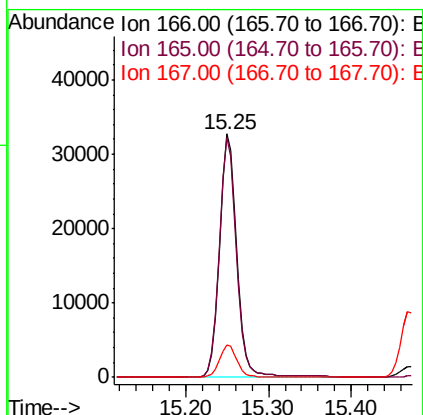
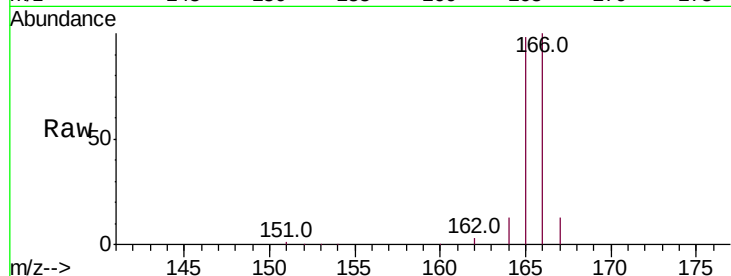




#9
Fluorene
 Concen: 3.232 ng/ul
 RT: 15.25 min Scan# 3268
 Delta R.T. -0.00 min
 Lab File: BN008447.D
 Acq: 05 Nov 2019 14:55

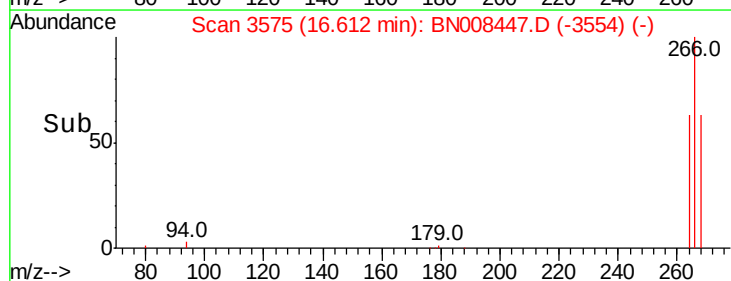
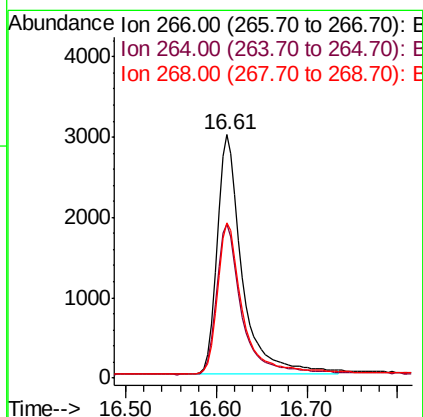
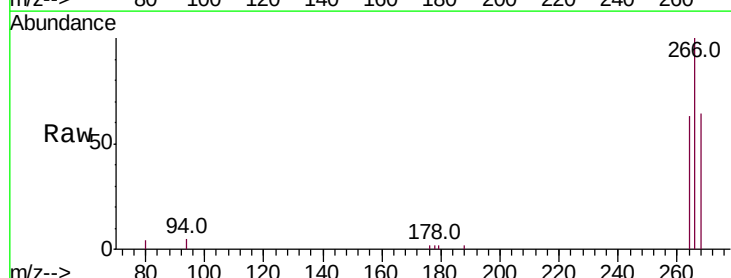
Instrument :
 BNA_N
 ClientSampleId :

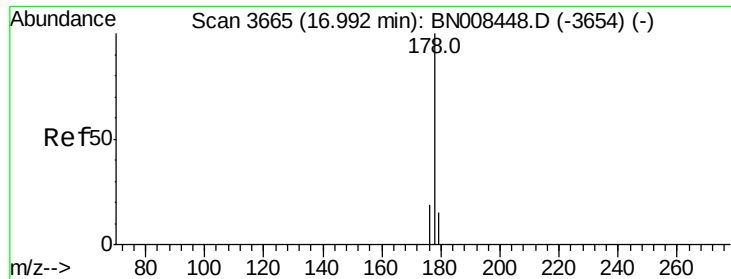
Tot Ion:166 Resp: 46966
 Ion Ratio Lower Upper
 166 100
 165 98.3 78.2 117.2
 167 13.4 12.1 18.1



#11
Pentachlorophenol
 Concen: 3.189 ng/ul
 RT: 16.61 min Scan# 3575
 Delta R.T. -0.01 min
 Lab File: BN008447.D
 Acq: 05 Nov 2019 14:55

Tgt Ion:266 Resp: 5726
 Ion Ratio Lower Upper
 266 100
 264 63.4 49.8 74.8
 268 63.4 51.0 76.6





#12

Phenanthrene

Concen: 3.300 ng/ul

RT: 16.99 min Scan# 3664

Delta R.T. -0.00 min

Lab File: BN008447.D

Acq: 05 Nov 2019 14:55

Instrument :

BNA_N

ClientSampleId :

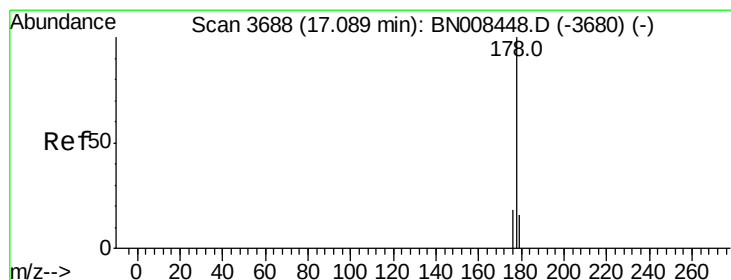
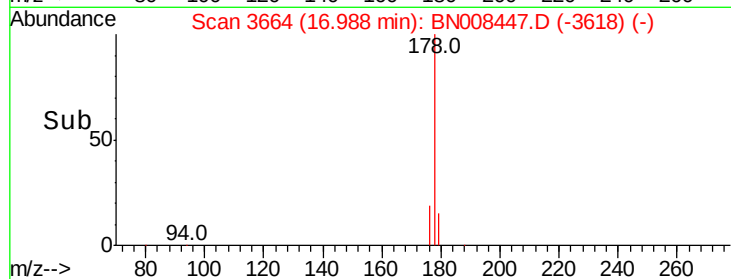
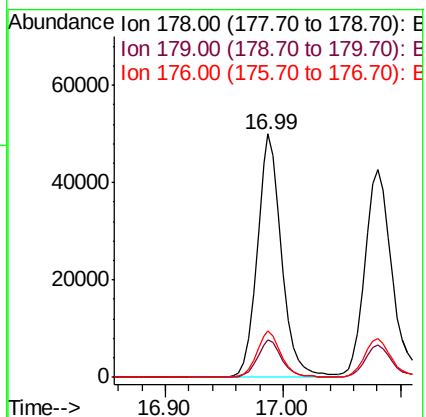
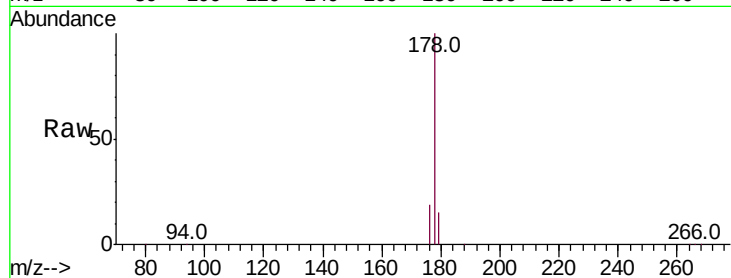
Tot Ion:178 Resp: 71713

Ion Ratio Lower Upper

178 100

179 15.4 13.2 19.8

176 19.1 15.6 23.4



#13

Anthracene

Concen: 3.562 ng/ul

RT: 17.08 min Scan# 3686

Delta R.T. -0.01 min

Lab File: BN008447.D

Acq: 05 Nov 2019 14:55

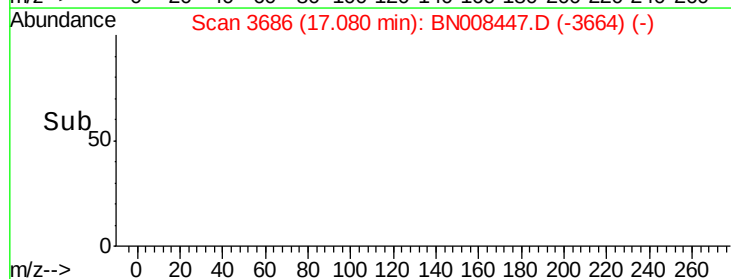
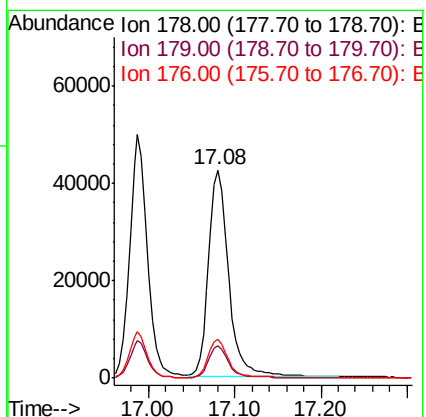
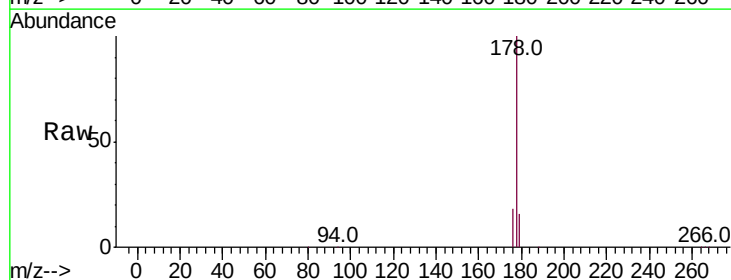
Tgt Ion:178 Resp: 68118

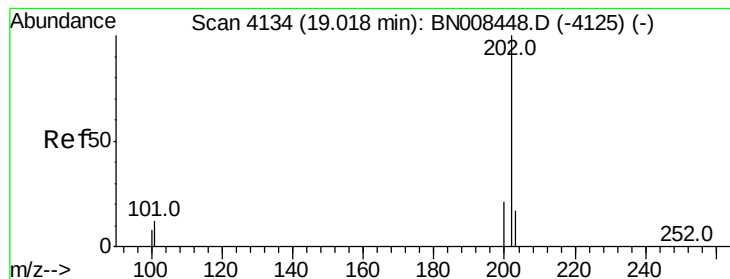
Ion Ratio Lower Upper

178 100

179 15.5 13.7 20.5

176 18.4 15.7 23.5





#15

Fluoranthene

Concen: 2.808 ng/ul

RT: 19.01 min Scan# 4133

Delta R.T. -0.00 min

Lab File: BN008447.D

Acq: 05 Nov 2019 14:55

Instrument :

BNA_N

ClientSampleId :

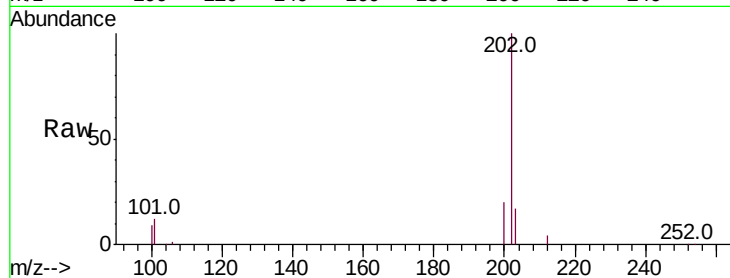
Tot Ion:202 Resp: 80584

Ion Ratio Lower Upper

202 100

101 12.2 0.0 33.0

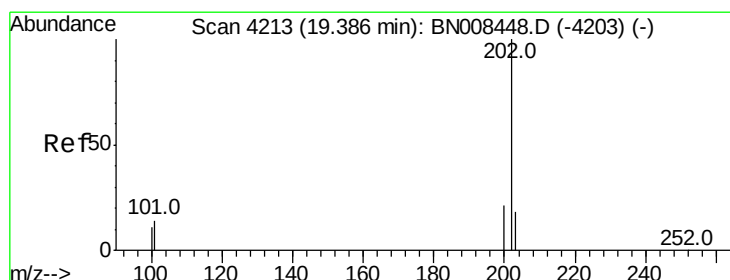
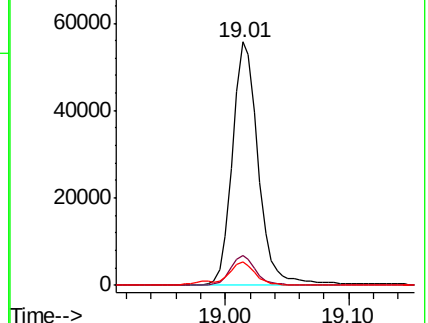
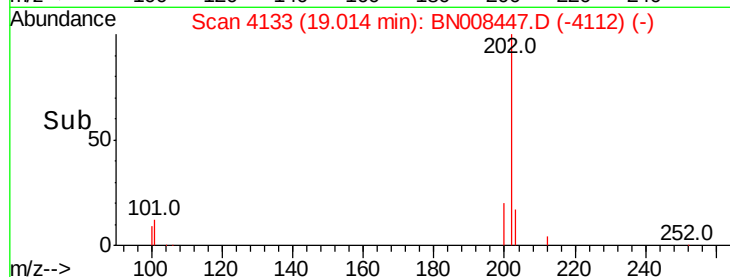
100 9.5 0.0 30.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#17

Pyrene

Concen: 3.754 ng/ul

RT: 19.38 min Scan# 4212

Delta R.T. -0.00 min

Lab File: BN008447.D

Acq: 05 Nov 2019 14:55

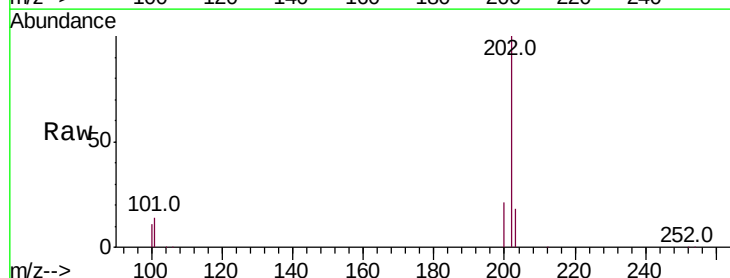
Tgt Ion:202 Resp: 79757

Ion Ratio Lower Upper

202 100

101 13.8 11.6 17.4

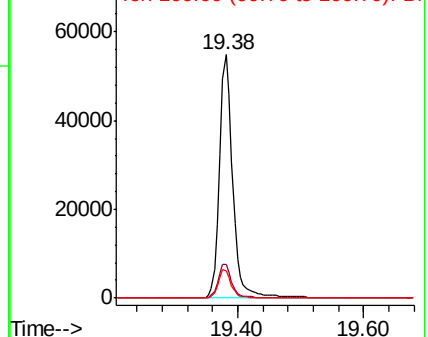
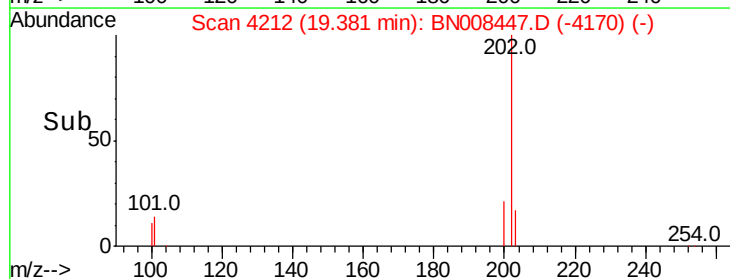
100 11.1 9.4 14.0

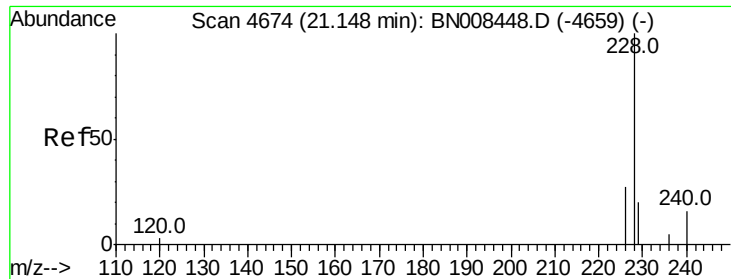


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

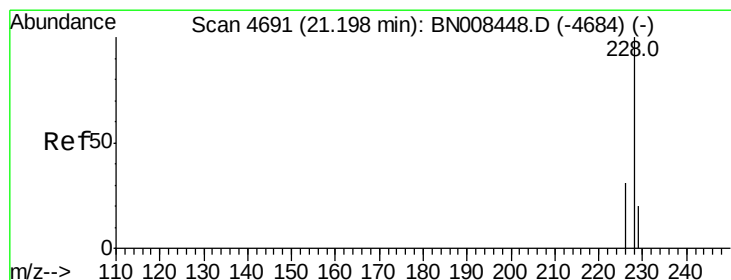
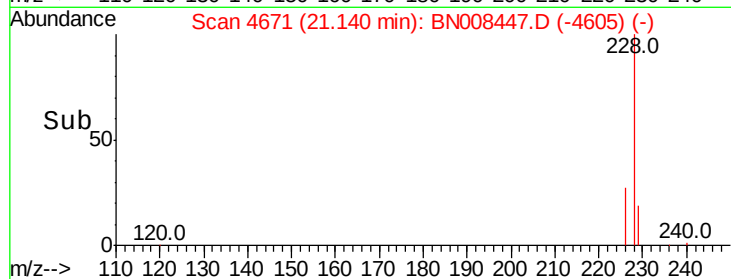
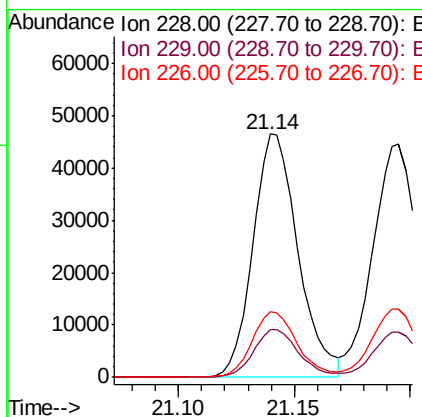
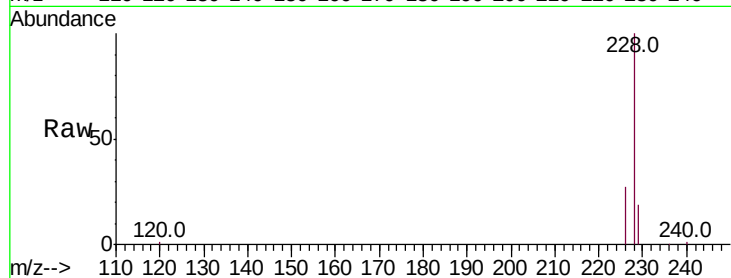




#18
Benzo(a)anthracene
Concen: 3.226 ng/ul
RT: 21.14 min Scan# 4671
Delta R.T. -0.01 min
Lab File: BN008447.D
Acq: 05 Nov 2019 14:55

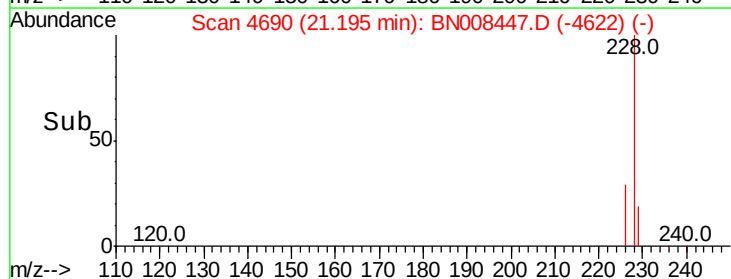
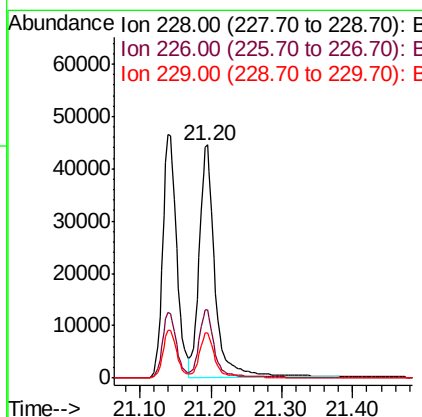
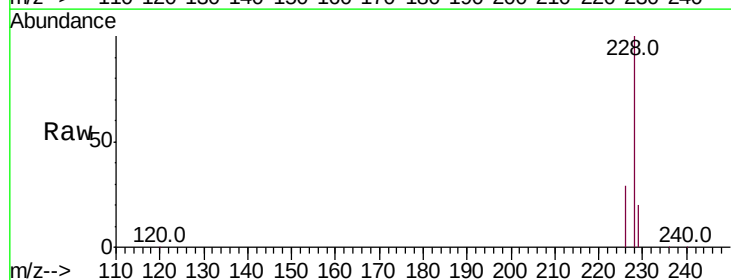
Instrument :
BNA_N
ClientSampleId :

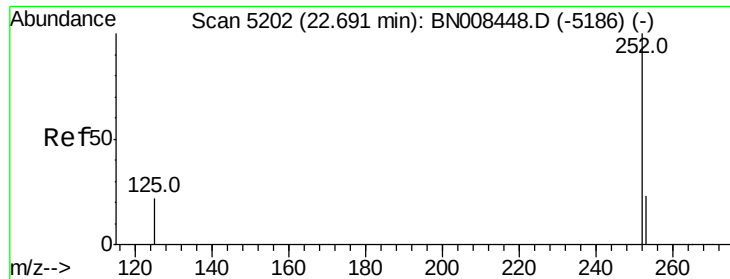
Tot Ion:228 Resp: 62583
Ion Ratio Lower Upper
228 100
229 19.4 16.6 24.8
226 27.2 22.8 34.2



#19
Chrysene
Concen: 2.864 ng/ul
RT: 21.20 min Scan# 4690
Delta R.T. -0.00 min
Lab File: BN008447.D
Acq: 05 Nov 2019 14:55

Tgt Ion:228 Resp: 68180
Ion Ratio Lower Upper
228 100
226 29.3 24.9 37.3
229 19.6 16.6 25.0





#21

Benzo(b)fluoranthene

Concen: 3.762 ng/ul

RT: 22.68 min Scan# 5199

Delta R.T. -0.01 min

Lab File: BN008447.D

Acq: 05 Nov 2019 14:55

Instrument :

BNA_N

ClientSampleId :

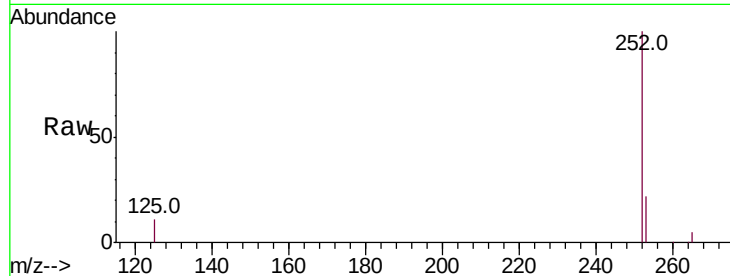
Tot Ion:252 Resp: 54724

Ion Ratio Lower Upper

252 100

253 22.3 0.0 58.4

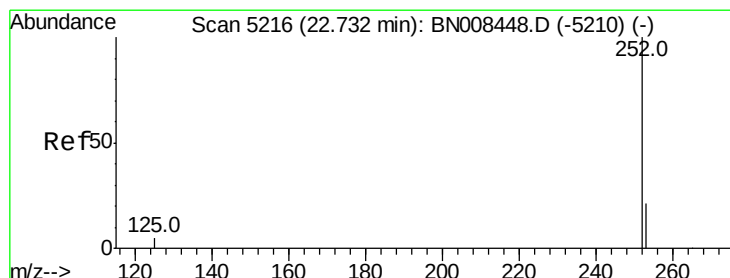
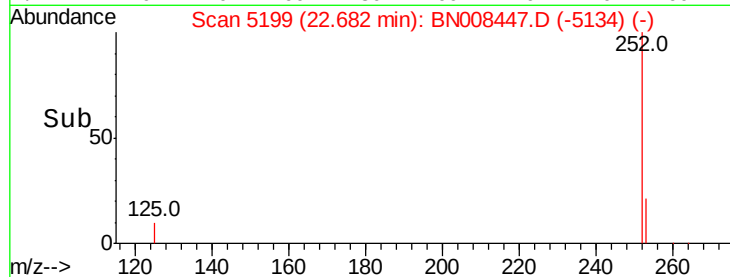
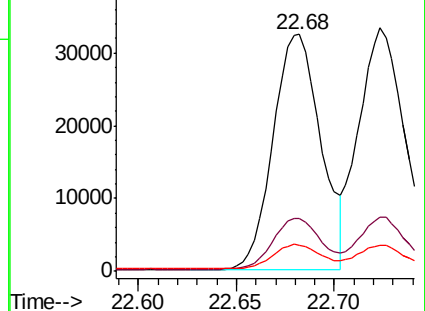
125 11.2 0.0 58.6



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



#22

Benzo(k)fluoranthene

Concen: 3.583 ng/ul

RT: 22.72 min Scan# 5213

Delta R.T. -0.01 min

Lab File: BN008447.D

Acq: 05 Nov 2019 14:55

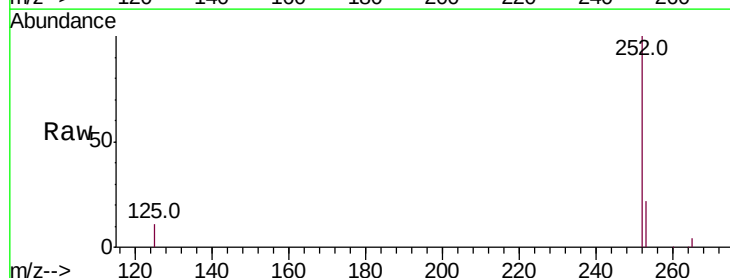
Tgt Ion:252 Resp: 59040

Ion Ratio Lower Upper

252 100

253 22.4 22.6 34.0#

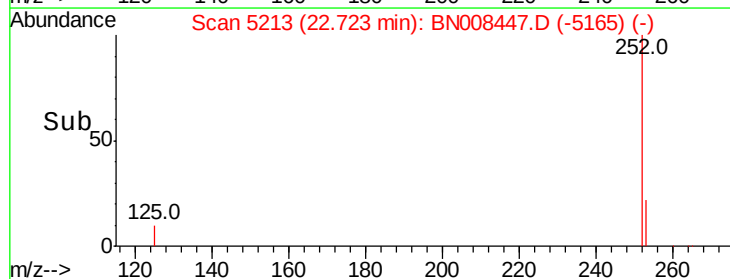
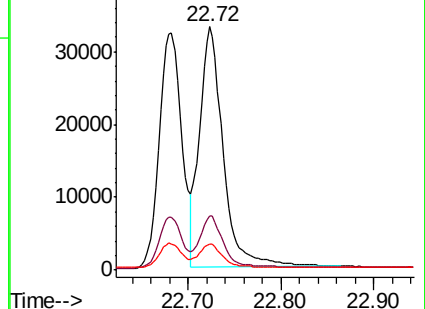
125 10.8 14.7 22.1#

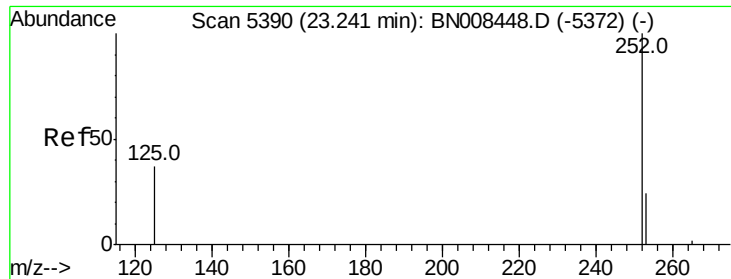


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 3.442 ng/ul

RT: 23.23 min Scan# 5387

Delta R.T. -0.01 min

Lab File: BN008447.D

Acq: 05 Nov 2019 14:55

Instrument :

BNA_N

ClientSampleId :

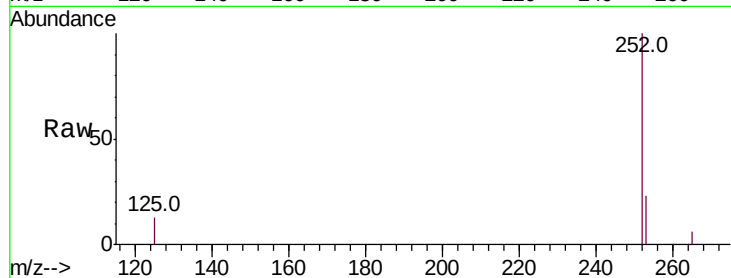
Tot Ion:252 Resp: 52676

Ion Ratio Lower Upper

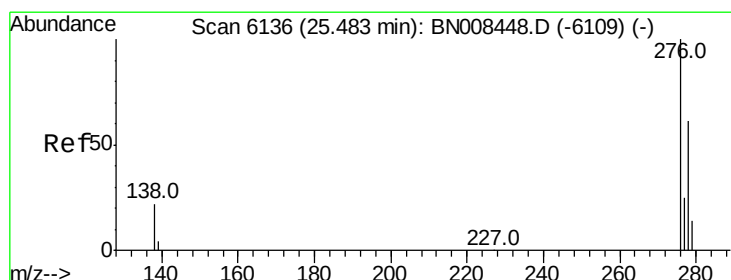
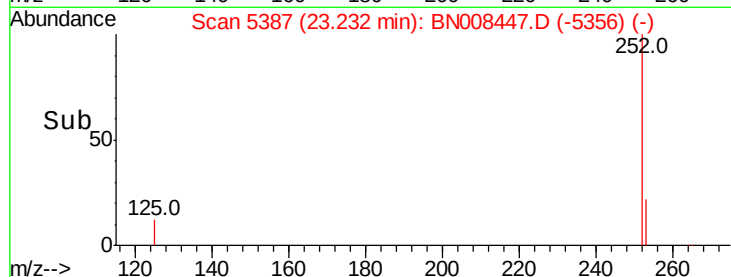
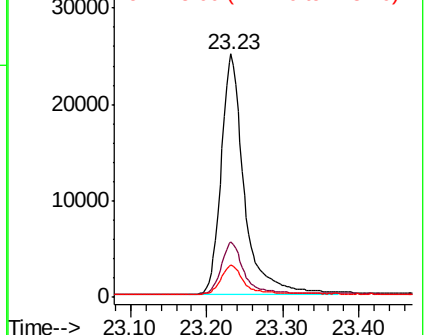
252 100

253 22.7 27.2 40.8#

125 13.4 37.0 55.6#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 3.452 ng/ul

RT: 25.47 min Scan# 6132

Delta R.T. -0.01 min

Lab File: BN008447.D

Acq: 05 Nov 2019 14:55

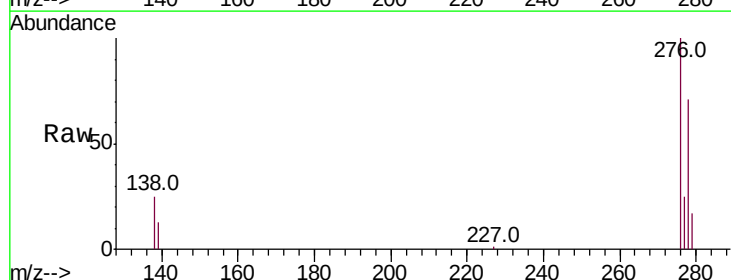
Tgt Ion:276 Resp: 62230

Ion Ratio Lower Upper

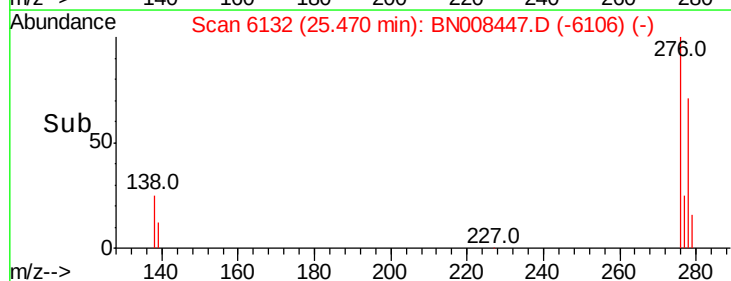
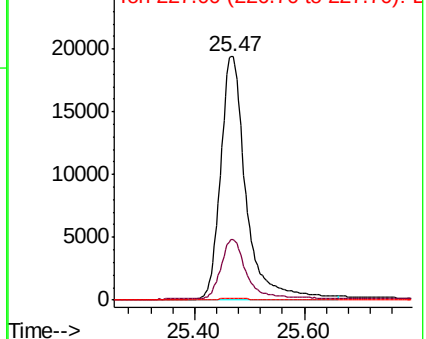
276 100

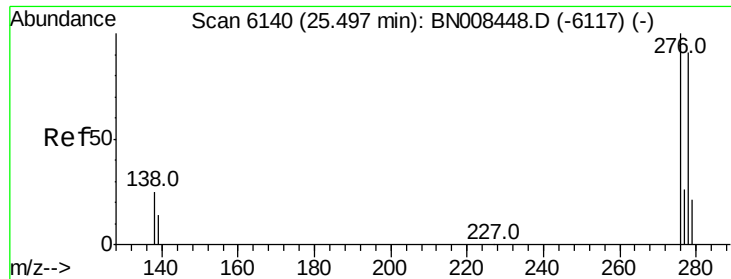
138 24.9 18.3 27.5

227 0.2 0.0 0.0#



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 3.537 ng/ul

RT: 25.48 min Scan# 6135

Delta R.T. -0.02 min

Lab File: BN008447.D

Acq: 05 Nov 2019 14:55

Instrument :

BNA_N

ClientSampleId :

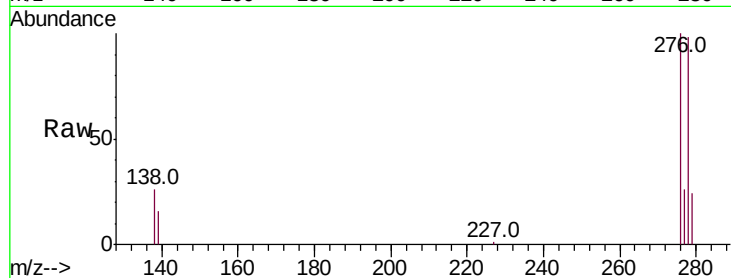
Tot Ion:278 Resp: 50402

Ion Ratio Lower Upper

278 100

139 16.8 17.6 26.4#

279 24.1 25.1 37.7#

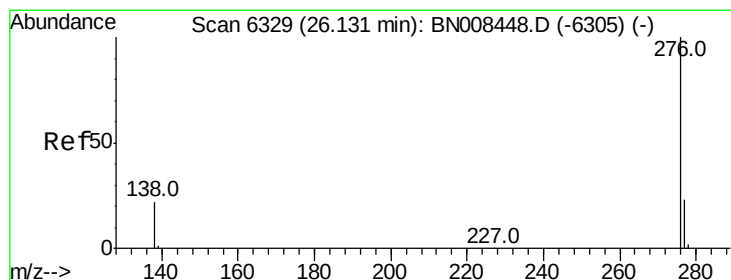
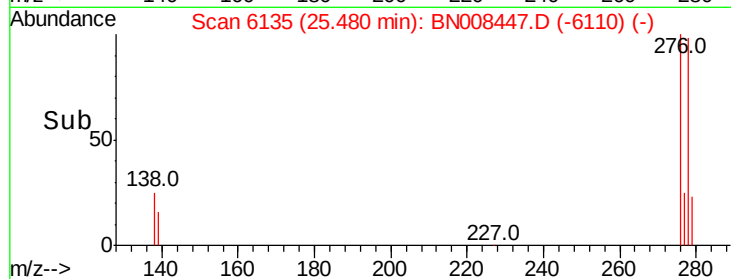
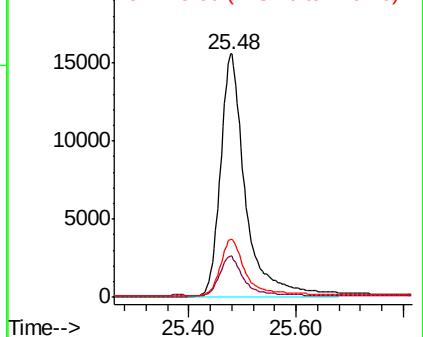


Abundance

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



#26

Benzo(g,h,i)perylene

Concen: 3.294 ng/ul

RT: 26.12 min Scan# 6326

Delta R.T. -0.01 min

Lab File: BN008447.D

Acq: 05 Nov 2019 14:55

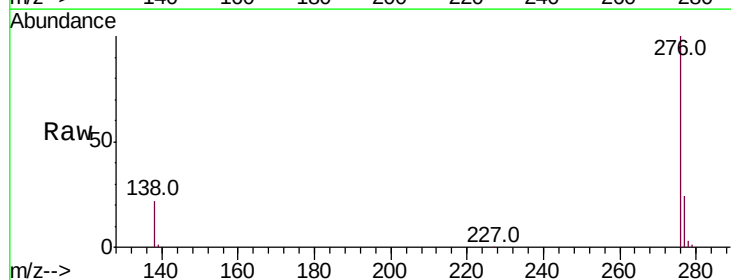
Tgt Ion:276 Resp: 54453

Ion Ratio Lower Upper

276 100

138 21.5 20.1 30.1

277 23.8 20.6 31.0



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

