

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN102219\
 Data File : BN008366.D
 Acq On : 24 Oct 2019 01:06
 Operator : JU
 Sample : K5235-04
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 24 02:29:16 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 23 14:07:55 2019
 Response via : Initial Calibration

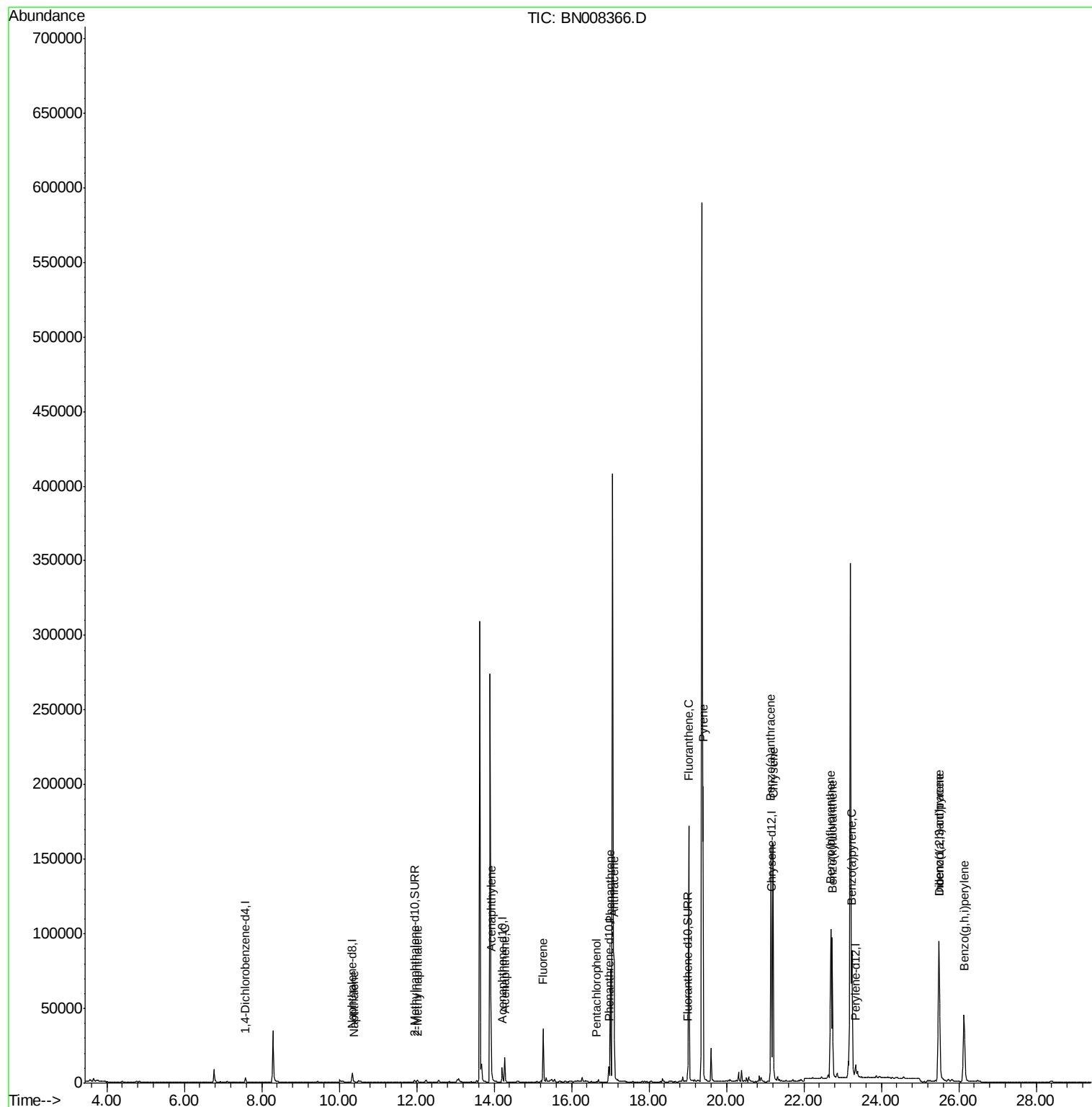
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	1736	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.34	136	8550	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.21	164	5549	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.96	188	12330	0.40	ng/ul	-0.01
16) Chrysene-d12	21.17	240	11355	0.40	ng/ul	-0.01
20) Perylene-d12	23.33	264	9386	0.40	ng/ul	-0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.94	152	2098	0.15	ng/ul	-0.02
14) Fluoranthene-d10	19.00	212	6540	0.15	ng/ul	-0.02
Target Compounds				Ovalue		
3) Naphthalene	10.39	128	580	0.024	ng/ul#	69
5) 2-Methylnaphthalene	12.02	142	1239	0.074	ng/ul	99
7) Acenaphthylene	13.93	152	9211	0.349	ng/ul	100
8) Acenaphthene	14.27	153	9693	0.472	ng/ul	98
9) Fluorene	15.27	166	22732	0.974	ng/ul	99
11) Pentachlorophenol	16.63	266	78	0.026	ng/ul	96
12) Phenanthrene	17.00	178	78615	2.178	ng/ul	99
13) Anthracene	17.09	178	77449	2.438	ng/ul	98
15) Fluoranthene	19.03	202	149097	3.127	ng/ul	99
17) Pyrene	19.39	202	148965	3.295	ng/ul	98
18) Benzo(a)anthracene	21.15	228	134143	3.249	ng/ul	100
19) Chrysene	21.20	228	141214	2.787	ng/ul	99
21) Benzo(b)fluoranthene	22.69	252	127119	4.160	ng/ul	90
22) Benzo(k)fluoranthene	22.73	252	114714	3.314	ng/ul#	91
23) Benzo(a)pyrene	23.24	252	103118	3.207	ng/ul#	84
24) Indeno(1,2,3-cd)pyrene	25.48	276	105107	2.776	ng/ul#	91
25) Dibenzo(a,h)anthracene	25.49	278	81941	2.737	ng/ul	93
26) Benzo(g,h,i)perylene	26.13	276	88964	2.562	ng/ul	97

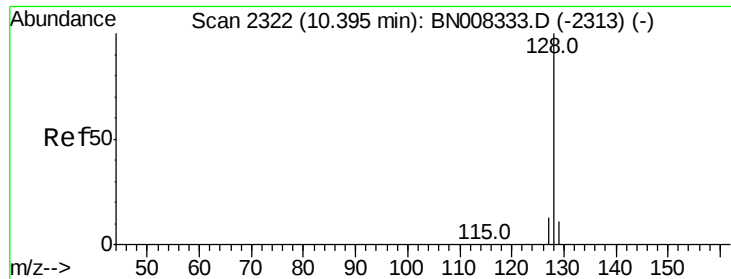
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.024 ng/ul

RT: 10.39 min Scan# 2321

Delta R.T. -0.01 min

Lab File: BN008366.D

Acq: 24 Oct 2019 01:06

Instrument :

BNA_N

ClientSampleId :

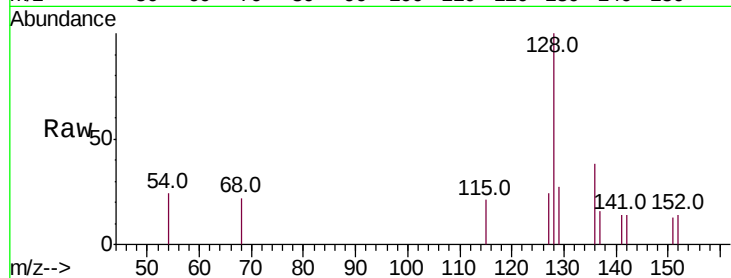
Tot Ion:128 Resp: 580

Ion Ratio Lower Upper

128 100

129 27.3 9.8 14.8#

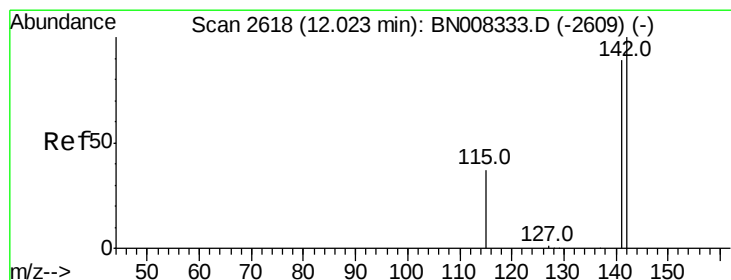
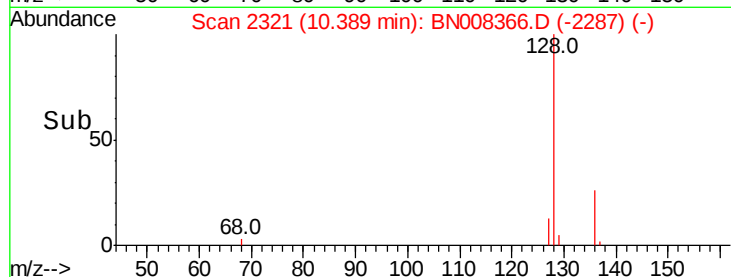
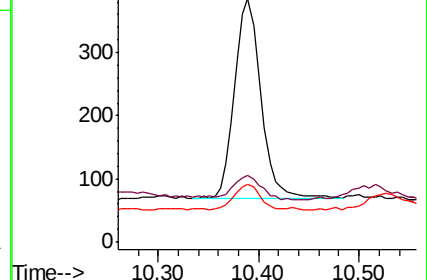
127 23.9 11.1 16.7#



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



#5

2-Methylnaphthalene

Concen: 0.074 ng/ul

RT: 12.02 min Scan# 2617

Delta R.T. -0.01 min

Lab File: BN008366.D

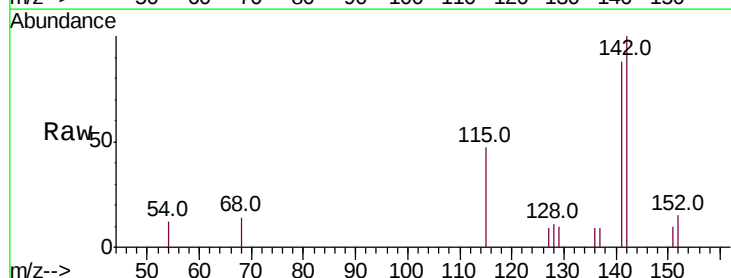
Acq: 24 Oct 2019 01:06

Tgt Ion:142 Resp: 1239

Ion Ratio Lower Upper

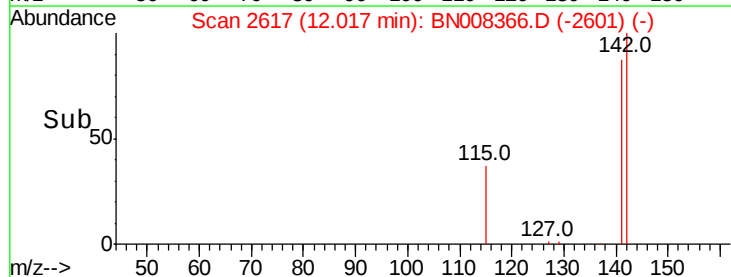
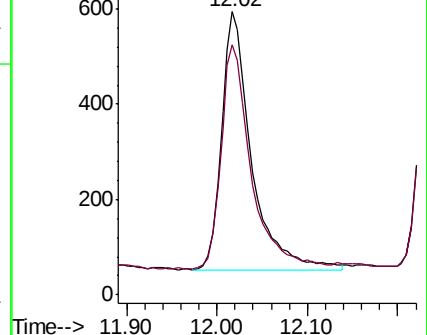
142 100

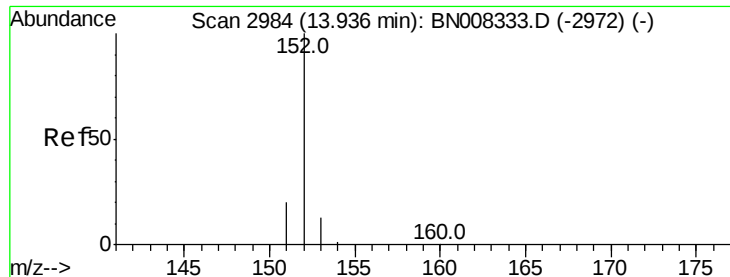
141 88.3 71.4 107.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.349 ng/ul

RT: 13.93 min Scan# 2982

Delta R.T. -0.02 min

Lab File: BN008366.D

Acq: 24 Oct 2019 01:06

Instrument :

BNA_N

ClientSampleId :

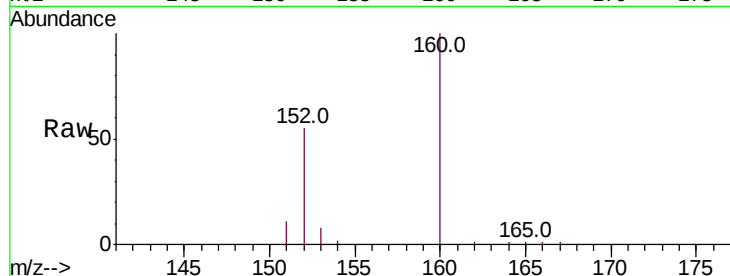
Tot Ion:152 Resp: 9211

Ion Ratio Lower Upper

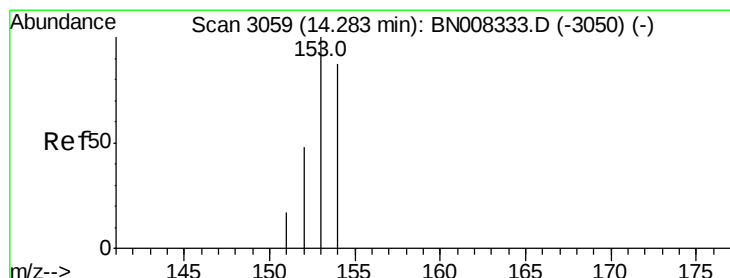
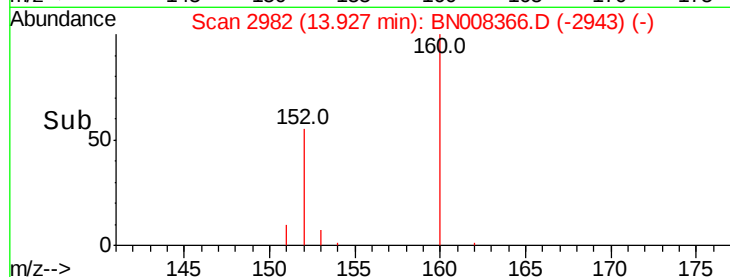
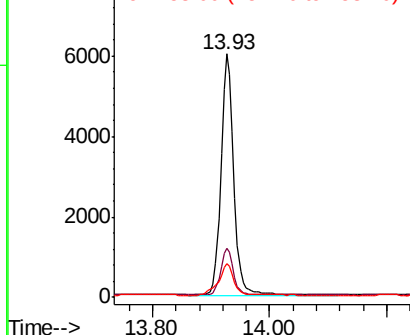
152 100

151 20.2 16.2 24.4

153 13.8 11.0 16.4



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: 0.472 ng/ul

RT: 14.27 min Scan# 3057

Delta R.T. -0.01 min

Lab File: BN008366.D

Acq: 24 Oct 2019 01:06

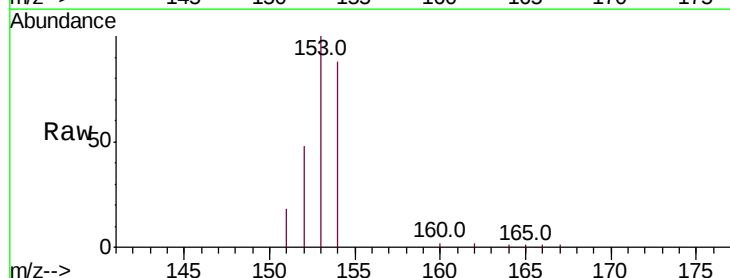
Tgt Ion:153 Resp: 9693

Ion Ratio Lower Upper

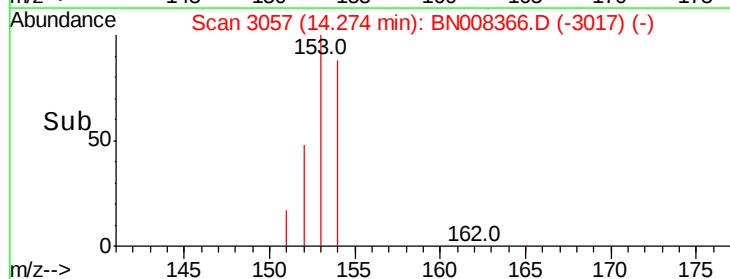
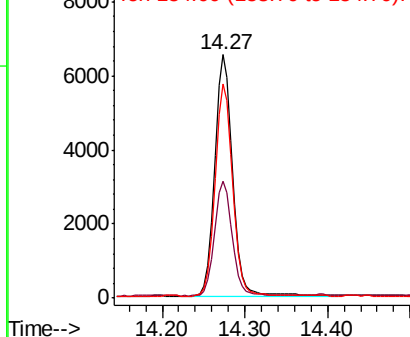
153 100

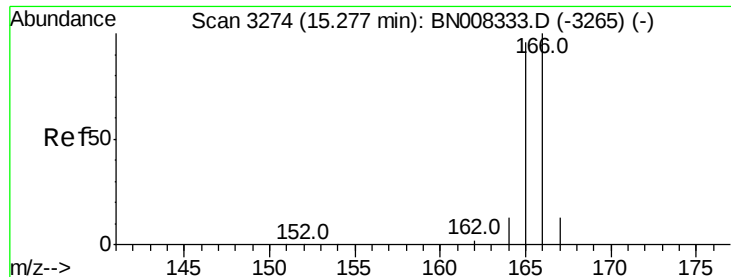
152 48.2 38.2 57.2

154 88.0 71.8 107.8



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: 0.974 ng/ul

RT: 15.27 min Scan# 3272

Delta R.T. -0.01 min

Lab File: BN008366.D

Acq: 24 Oct 2019 01:06

Instrument :

BNA_N

ClientSampleId :

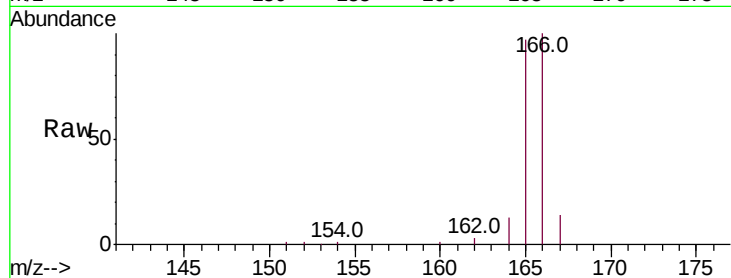
Tot Ion:166 Resp: 22732

Ion Ratio Lower Upper

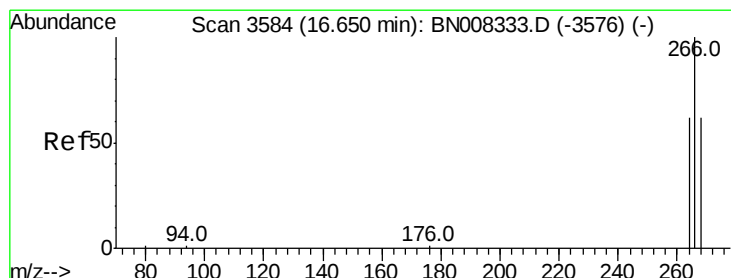
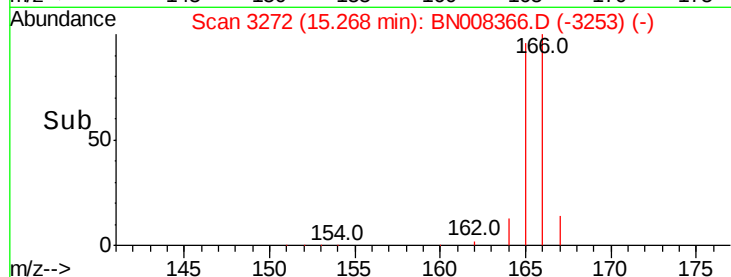
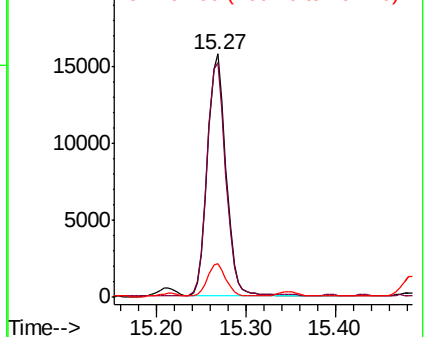
166 100

165 96.6 76.6 115.0

167 14.0 11.7 17.5



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



#11

Pentachlorophenol

Concen: 0.026 ng/ul

RT: 16.63 min Scan# 3579

Delta R.T. -0.05 min

Lab File: BN008366.D

Acq: 24 Oct 2019 01:06

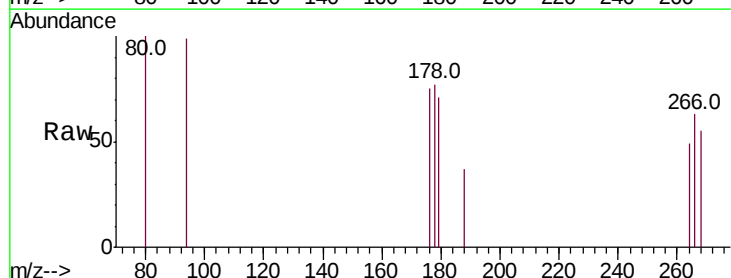
Tgt Ion:266 Resp: 78

Ion Ratio Lower Upper

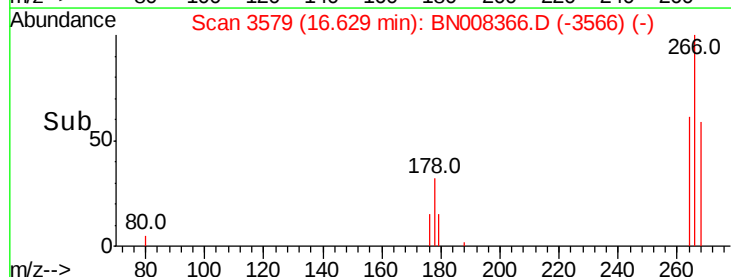
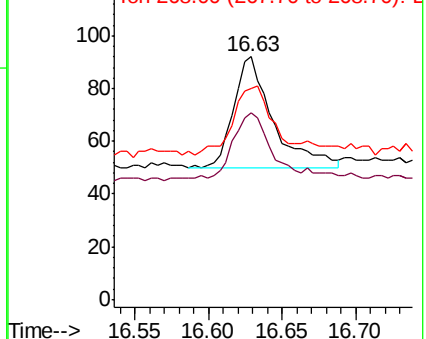
266 100

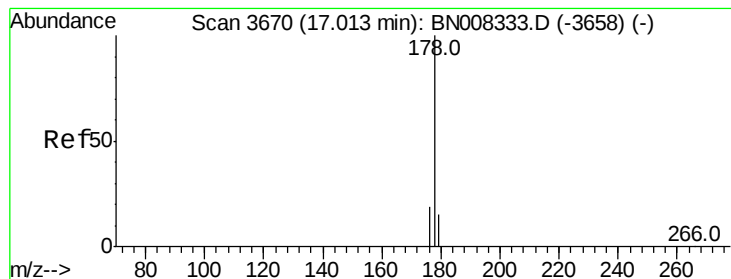
264 59.0 50.1 75.1

268 67.9 51.9 77.9



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





#12

Phenanthrene

Concen: 2.178 ng/ul

RT: 17.00 min Scan# 3667

Delta R.T. -0.02 min

Lab File: BN008366.D

Acq: 24 Oct 2019 01:06

Instrument :

BNA_N

ClientSampleId :

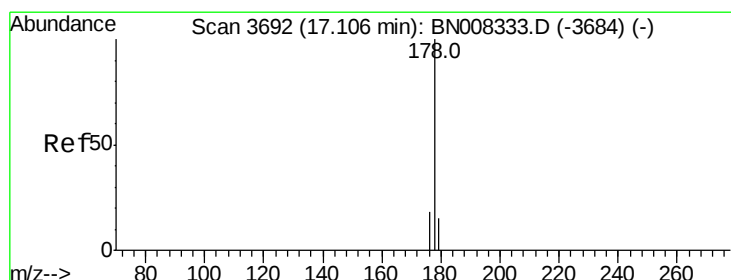
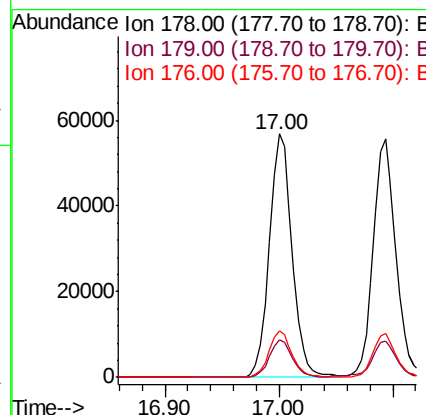
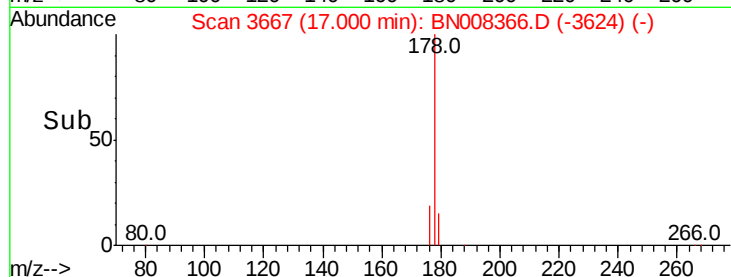
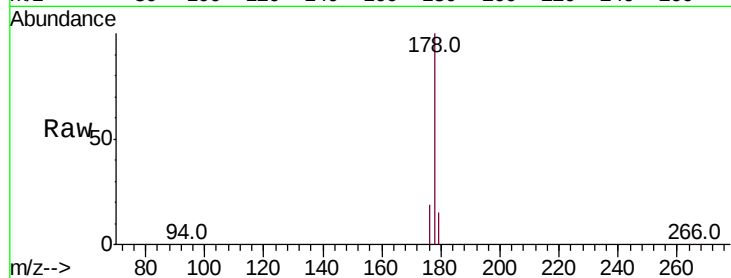
Tot Ion:178 Resp: 78615

Ion Ratio Lower Upper

178 100

179 15.5 12.8 19.2

176 18.9 15.4 23.2



#13

Anthracene

Concen: 2.438 ng/ul

RT: 17.09 min Scan# 3689

Delta R.T. -0.02 min

Lab File: BN008366.D

Acq: 24 Oct 2019 01:06

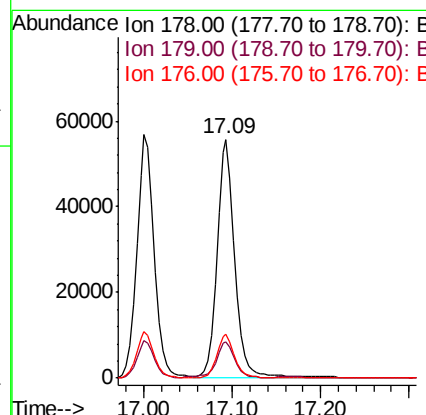
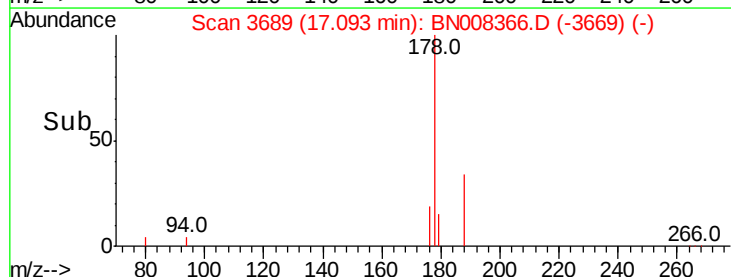
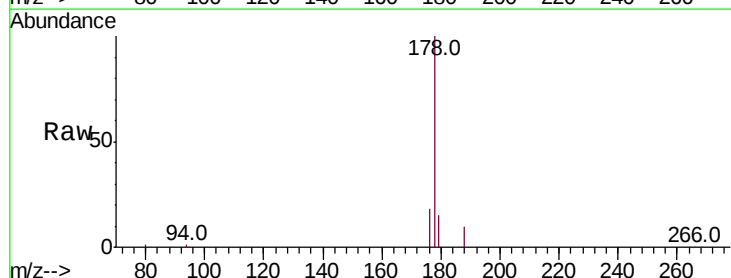
Tgt Ion:178 Resp: 77449

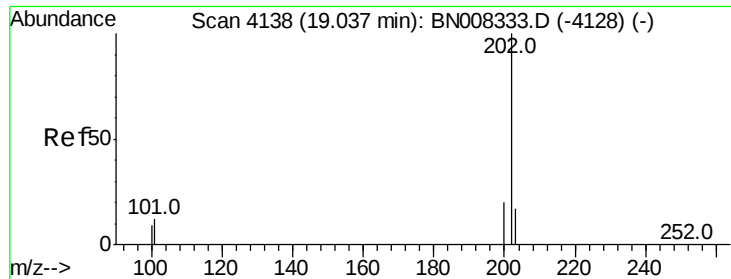
Ion Ratio Lower Upper

178 100

179 15.4 13.0 19.6

176 18.2 15.0 22.6





#15

Fluoranthene

Concen: 3.127 ng/ul

RT: 19.03 min Scan# 4136

Delta R.T. -0.01 min

Lab File: BN008366.D

Acq: 24 Oct 2019 01:06

Instrument :

BNA_N

ClientSampleId :

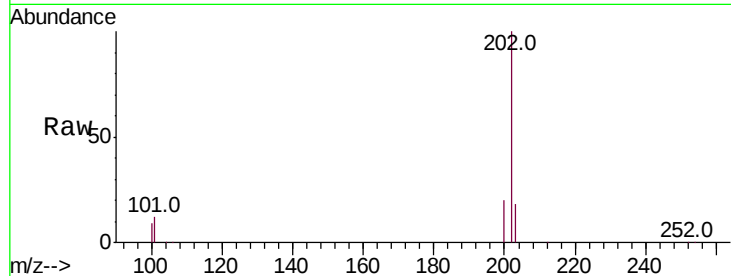
Tot Ion:202 Resp: 149097

Ion Ratio Lower Upper

202 100

101 11.7 0.0 31.2

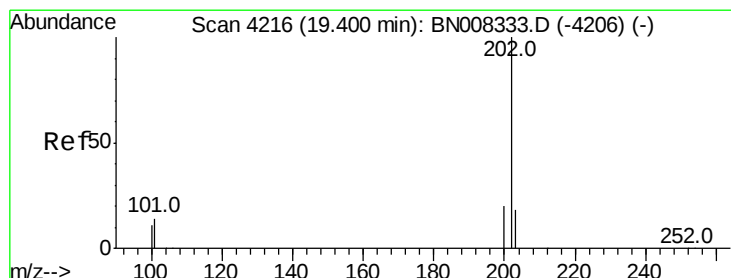
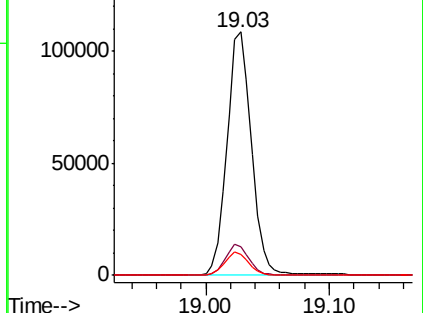
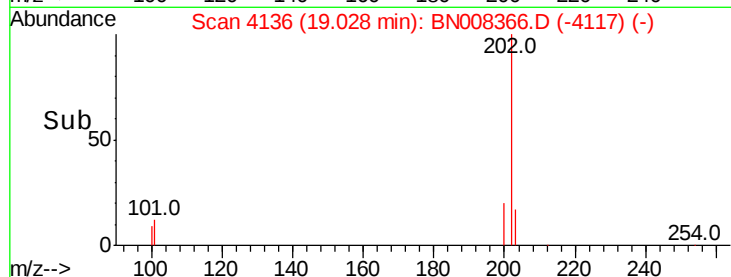
100 8.8 0.0 28.5



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: 3.295 ng/ul

RT: 19.39 min Scan# 4214

Delta R.T. -0.01 min

Lab File: BN008366.D

Acq: 24 Oct 2019 01:06

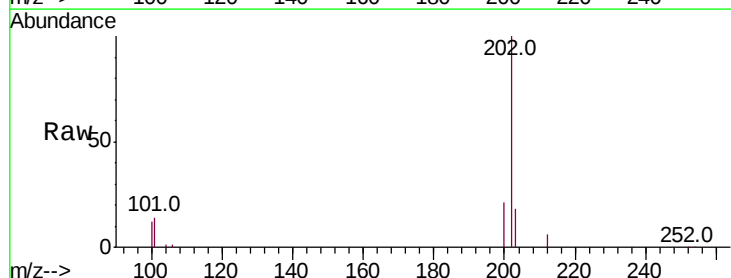
Tgt Ion:202 Resp: 148965

Ion Ratio Lower Upper

202 100

101 14.2 10.9 16.3

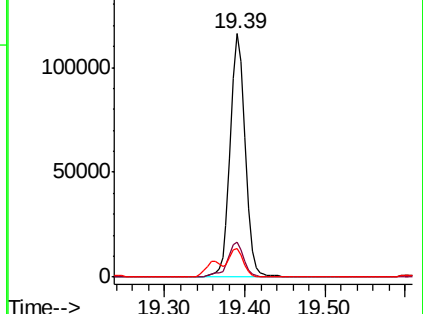
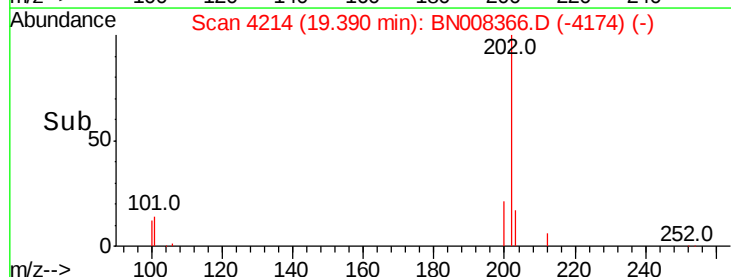
100 11.7 8.7 13.1

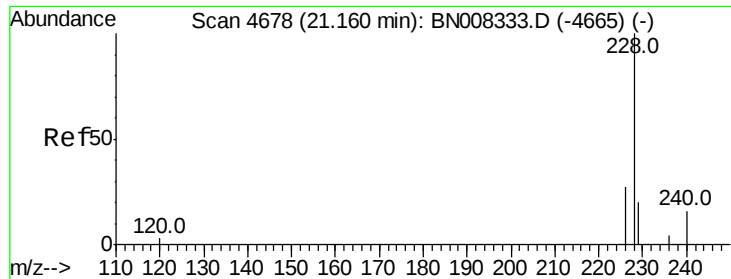


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 3.249 ng/ul

RT: 21.15 min Scan# 4674

Delta R.T. -0.02 min

Lab File: BN008366.D

Acq: 24 Oct 2019 01:06

Instrument :

BNA_N

ClientSampleId :

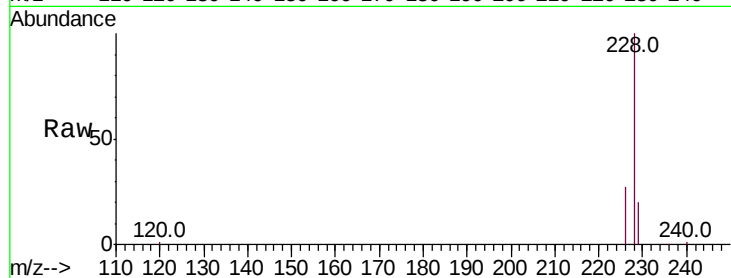
Tot Ion:228 Resp: 134143

Ion Ratio Lower Upper

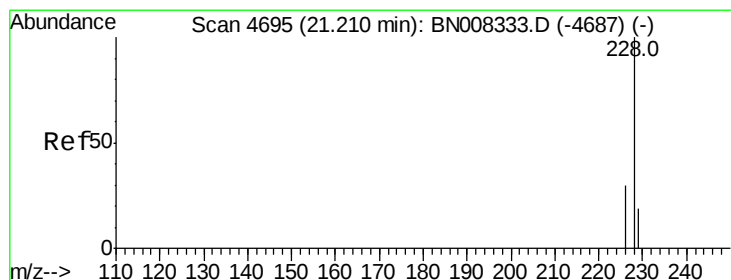
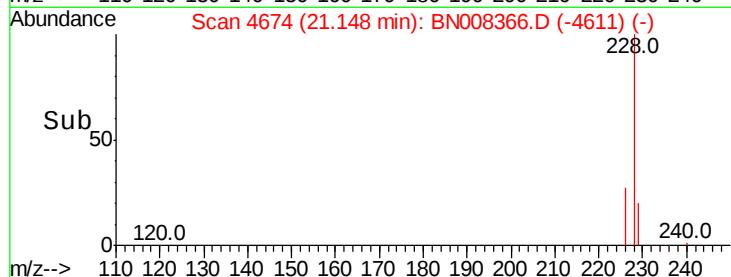
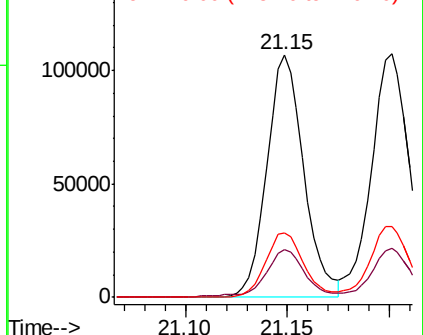
228 100

229 19.9 16.2 24.2

226 26.7 21.4 32.0



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E



#19

Chrysene

Concen: 2.787 ng/ul

RT: 21.20 min Scan# 4692

Delta R.T. -0.01 min

Lab File: BN008366.D

Acq: 24 Oct 2019 01:06

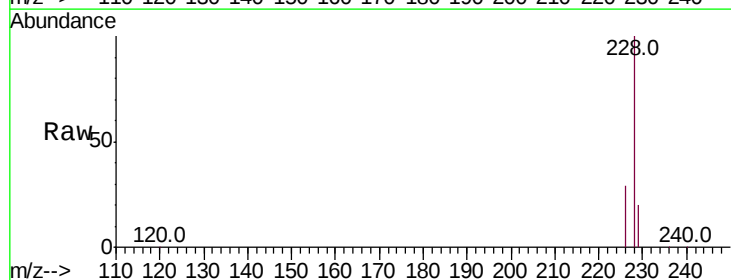
Tgt Ion:228 Resp: 141214

Ion Ratio Lower Upper

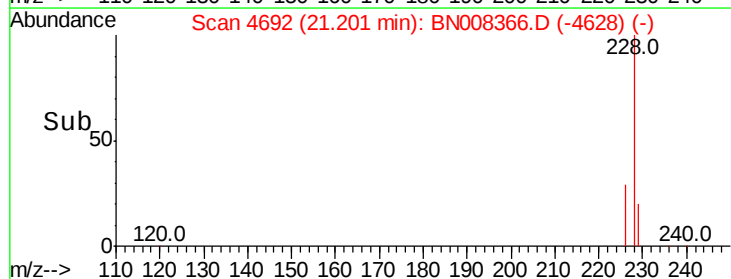
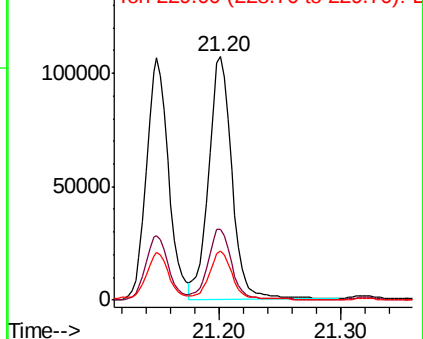
228 100

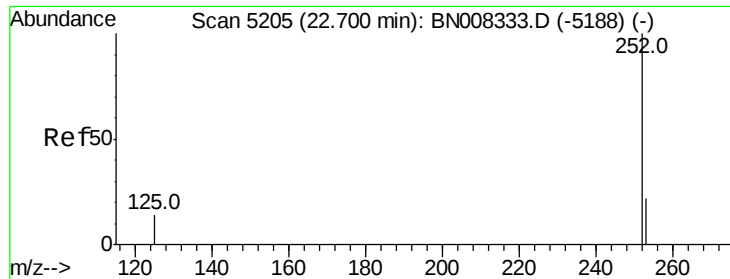
226 29.3 24.1 36.1

229 20.0 16.2 24.2



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





#21

Benzo(b)fluoranthene

Concen: 4.160 ng/u1

RT: 22.69 min Scan# 5201

Delta R.T. -0.02 min

Lab File: BN008366.D

Acq: 24 Oct 2019 01:06

Instrument :

BNA_N

ClientSampleId :

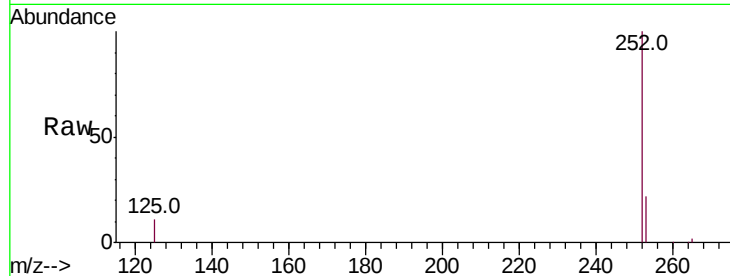
Tot Ion:252 Resp: 127119

Ion Ratio Lower Upper

252 100

253 22.4 0.0 53.4

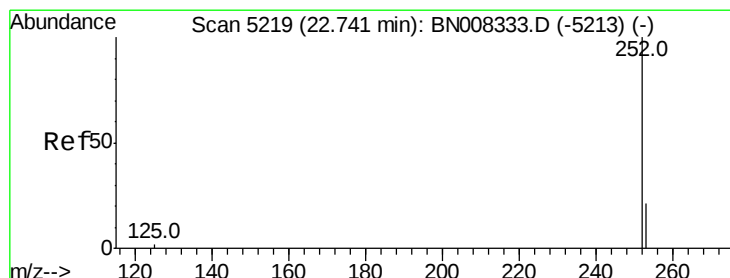
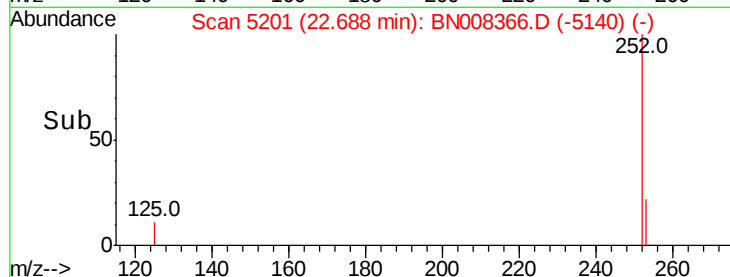
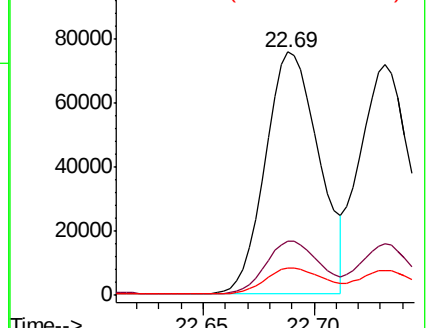
125 11.2 0.0 32.4



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



#22

Benzo(k)fluoranthene

Concen: 3.314 ng/u1

RT: 22.73 min Scan# 5216

Delta R.T. -0.02 min

Lab File: BN008366.D

Acq: 24 Oct 2019 01:06

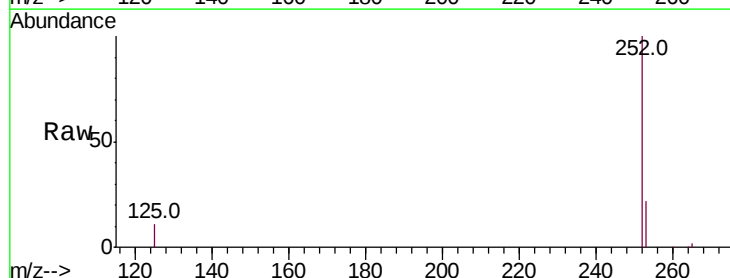
Tgt Ion:252 Resp: 114714

Ion Ratio Lower Upper

252 100

253 22.2 21.3 31.9

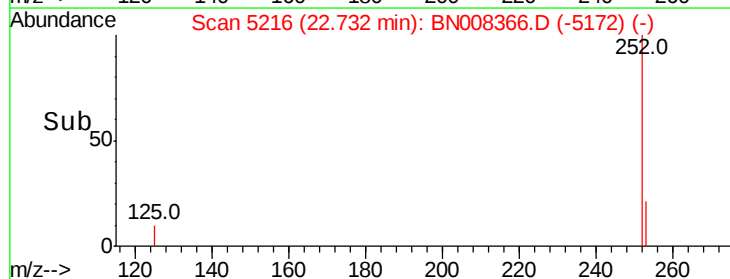
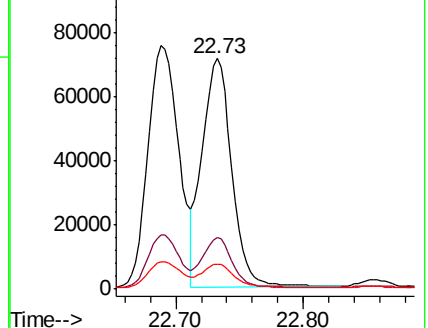
125 10.9 12.3 18.5#

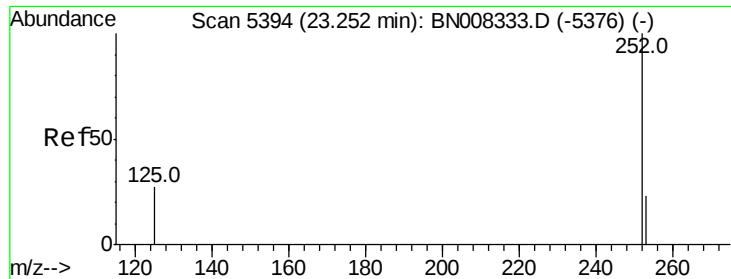


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 3.207 ng/ul

RT: 23.24 min Scan# 5390

Delta R.T. -0.02 min

Lab File: BN008366.D

Acq: 24 Oct 2019 01:06

Instrument :

BNA_N

ClientSampleId :

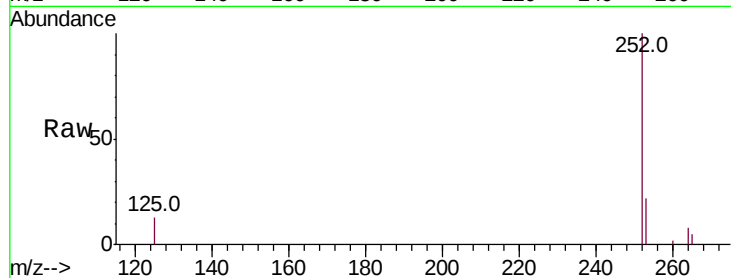
Tot Ion:252 Resp: 103118

Ion Ratio Lower Upper

252 100

253 22.4 22.8 34.2#

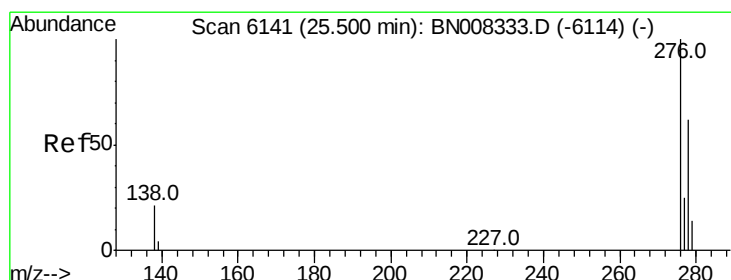
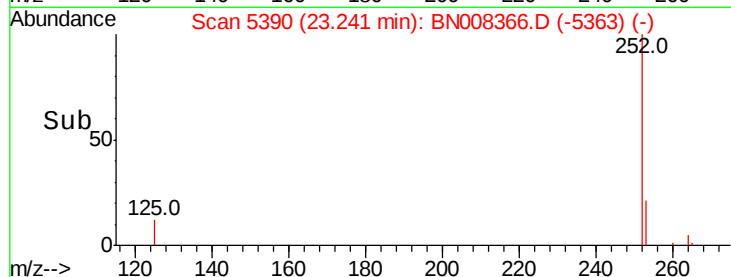
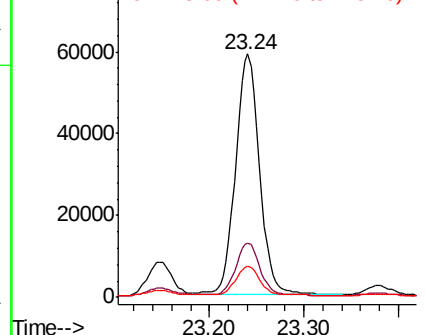
125 12.7 18.4 27.6#



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: 2.776 ng/ul

RT: 25.48 min Scan# 6136

Delta R.T. -0.03 min

Lab File: BN008366.D

Acq: 24 Oct 2019 01:06

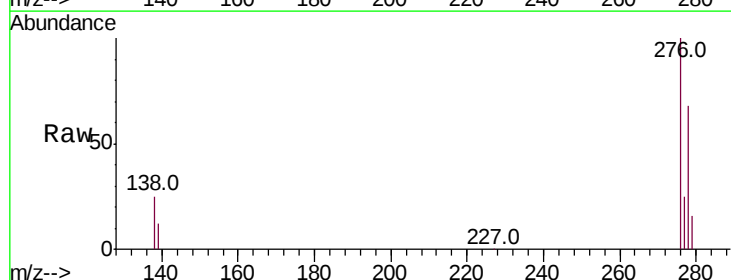
Tgt Ion:276 Resp: 105107

Ion Ratio Lower Upper

276 100

138 24.4 16.1 24.1#

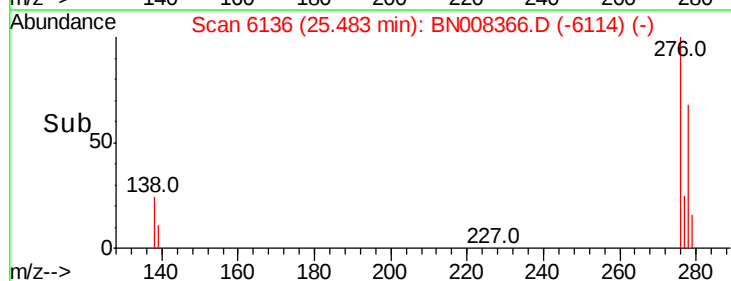
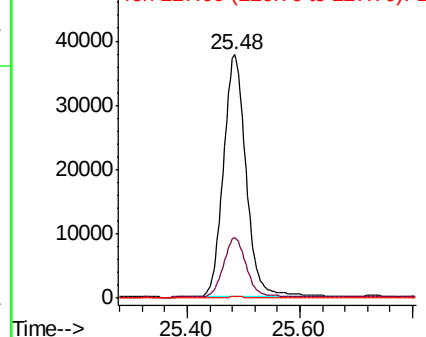
227 0.3 0.2 0.2#

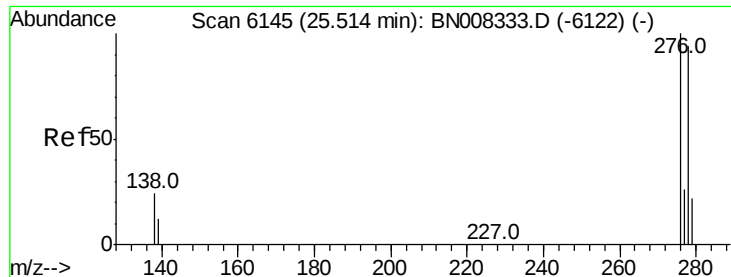


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 2.737 ng/ul

RT: 25.49 min Scan# 6139

Delta R.T. -0.03 min

Lab File: BN008366.D

Acq: 24 Oct 2019 01:06

Instrument :

BNA_N

ClientSampleId :

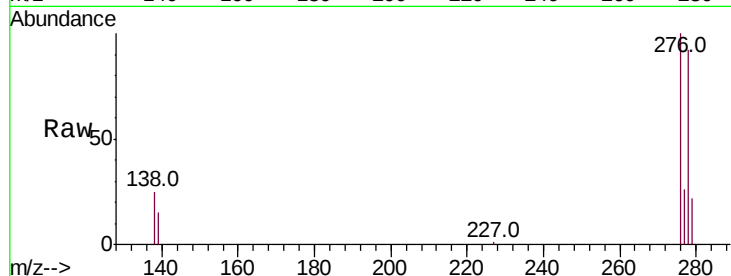
Tot Ion:278 Resp: 81941

Ion Ratio Lower Upper

278 100

139 16.5 15.0 22.6

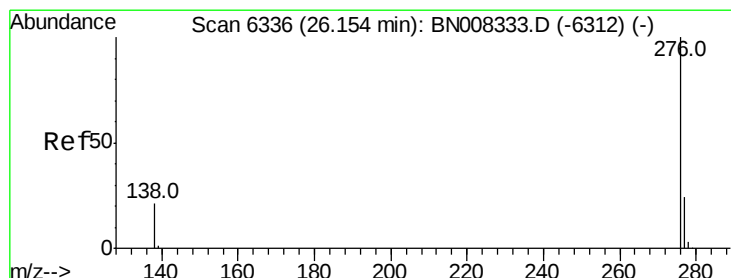
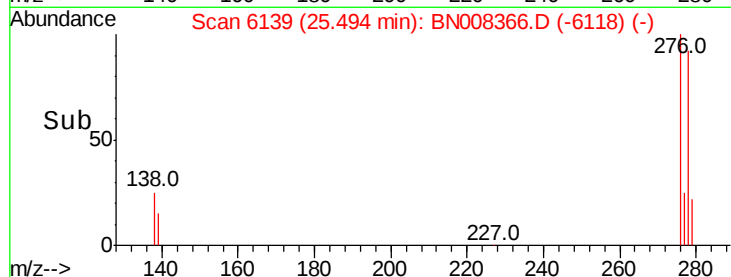
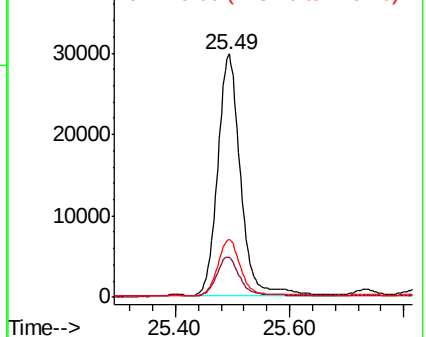
279 24.0 22.4 33.6



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: 2.562 ng/ul

RT: 26.13 min Scan# 6330

Delta R.T. -0.03 min

Lab File: BN008366.D

Acq: 24 Oct 2019 01:06

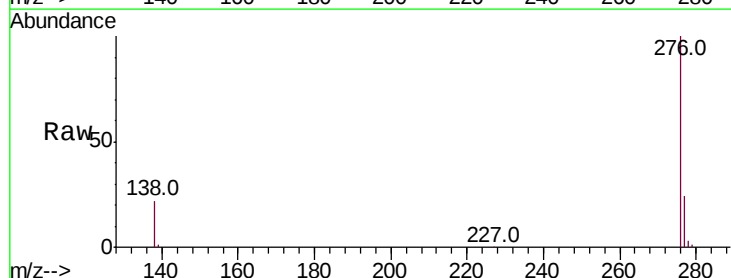
Tgt Ion:276 Resp: 88964

Ion Ratio Lower Upper

276 100

138 22.0 17.0 25.4

277 23.6 20.4 30.6



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

