

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082819\
 Data File : BN007456.D
 Acq On : 28 Aug 2019 05:42
 Operator : HP/JU
 Sample : K4337-14DL 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 28 06:35:41 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN082819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 28 02:09:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	5090	0.40	ng/ul	0.00
2) Naphthalene-d8	10.15	136	21572	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.05	164	12310	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.80	188	26537	0.40	ng/ul	0.00
16) Chrysene-d12	21.02	240	23085	0.40	ng/ul	0.00
20) Perylene-d12	23.12	264	25741	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	11.76	152	2954	0.09	ng/ul	0.00
14) Fluoranthene-d10	18.84	212	7877	0.09	ng/ul	0.00

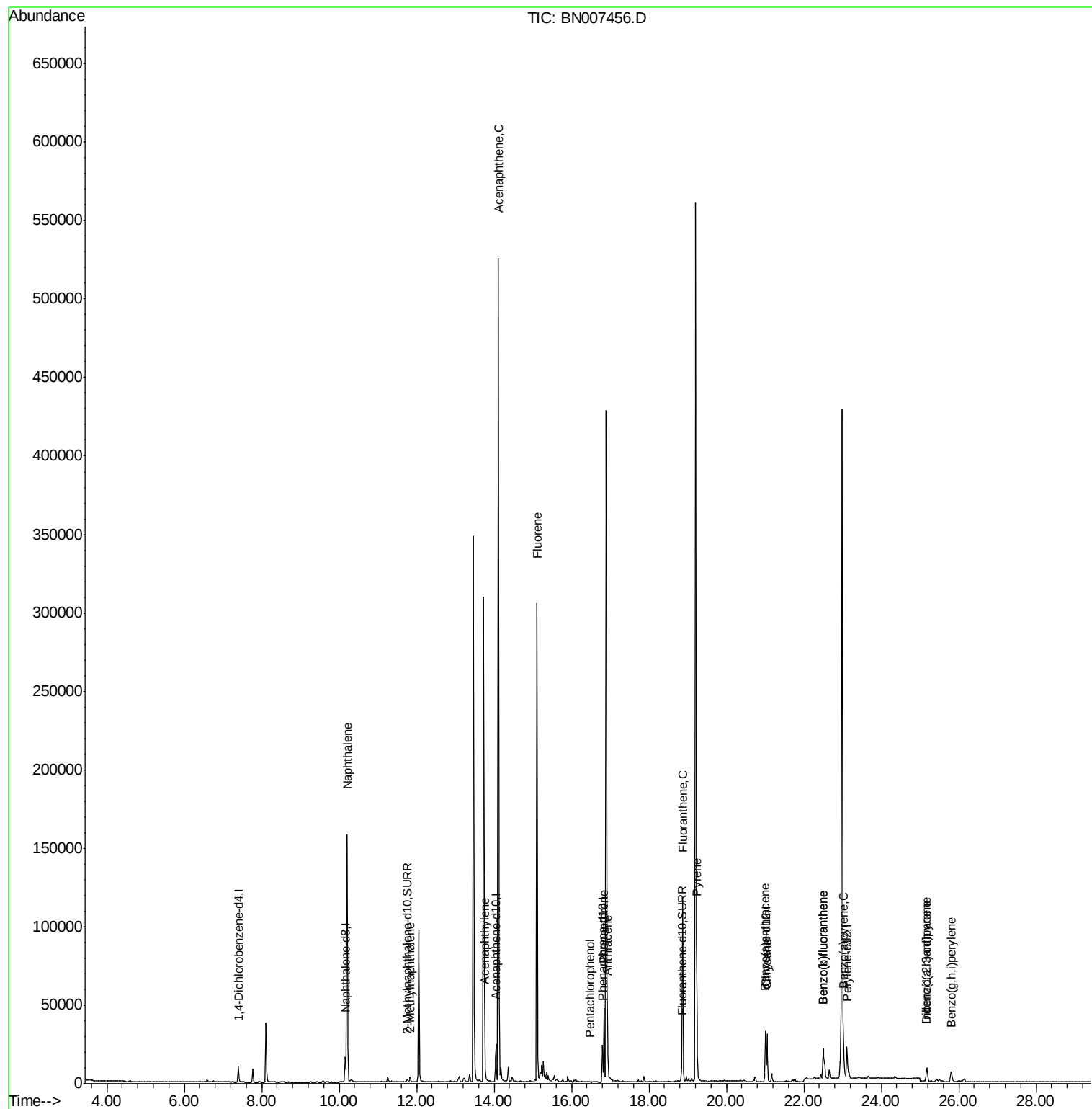
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.20	128	206693	3.393	ng/ul	99
5) 2-Methylnaphthalene	11.84	142	2334	0.057	ng/ul	99
7) Acenaphthylene	13.76	152	9382	0.137	ng/ul#	94
8) Acenaphthene	14.11	153	307237	6.243	ng/ul	97
9) Fluorene	15.11	166	190884	3.584	ng/ul	97
11) Pentachlorophenol	16.46	266	173	0.029	ng/ul	95
12) Phenanthrene	16.84	178	48909	0.591	ng/ul	99
13) Anthracene	16.93	178	24979	0.320	ng/ul	98
15) Fluoranthene	18.87	202	101472	0.916	ng/ul	99
17) Pyrene	19.24	202	64846	0.574	ng/ul	98
18) Benzo(a)anthracene	21.00	228	17309	0.168	ng/ul	93
19) Chrysene	21.05	228	29398	0.265	ng/ul	98
21) Benzo(b)fluoranthene	22.50	252	39833	0.354	ng/ul	97
22) Benzo(k)fluoranthene	22.50	252	39833	0.339	ng/ul	97
23) Benzo(a)pyrene	23.02	252	20249	0.181	ng/ul	98
24) Indeno(1,2,3-cd)pyrene	25.18	276	14482	0.115	ng/ul#	94
25) Dibenzo(a,h)anthracene	25.18	278	3077	0.031	ng/ul#	53
26) Benzo(g,h,i)perylene	25.81	276	13230	0.124	ng/ul	96

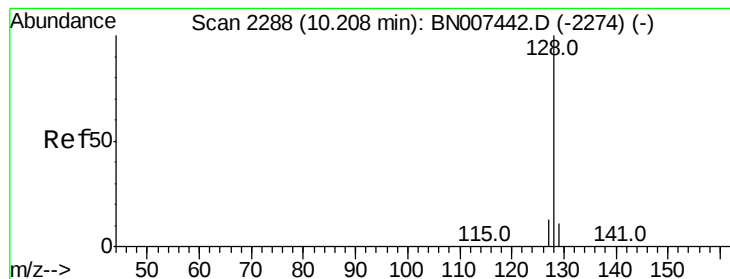
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 3.393 ng/ul

RT: 10.20 min Scan# 2287

Delta R.T. -0.01 min

Lab File: BN007456.D

Acq: 28 Aug 2019 05:42

Instrument :

BNA_N

ClientSampleId :

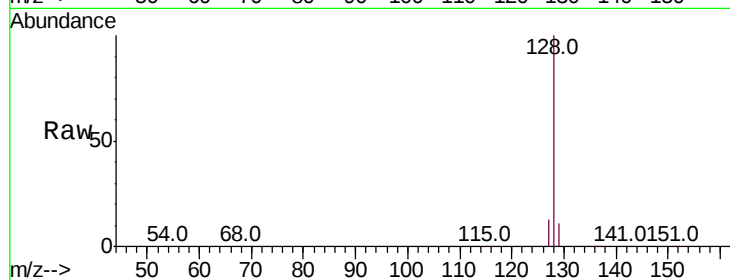
Tot Ion:128 Resp: 206693

Ion Ratio Lower Upper

128 100

129 11.0 9.2 13.8

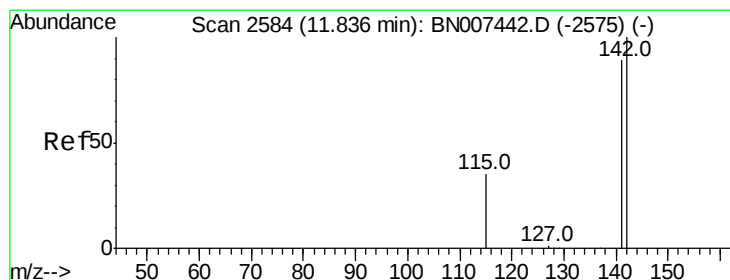
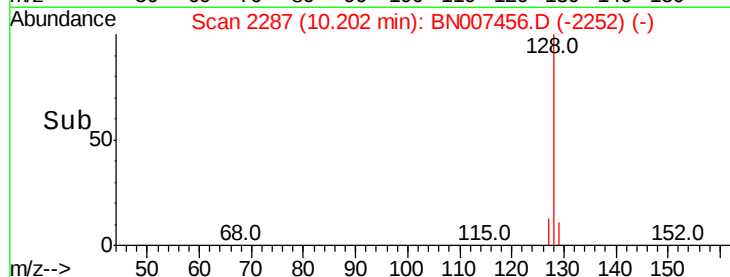
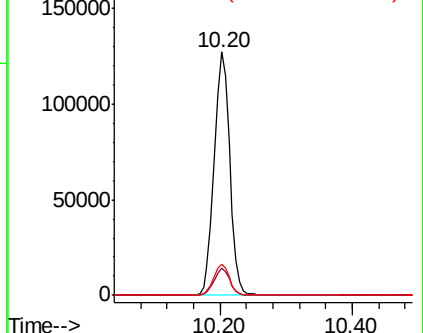
127 12.9 10.4 15.6



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: 0.057 ng/ul

RT: 11.84 min Scan# 2584

Delta R.T. -0.00 min

Lab File: BN007456.D

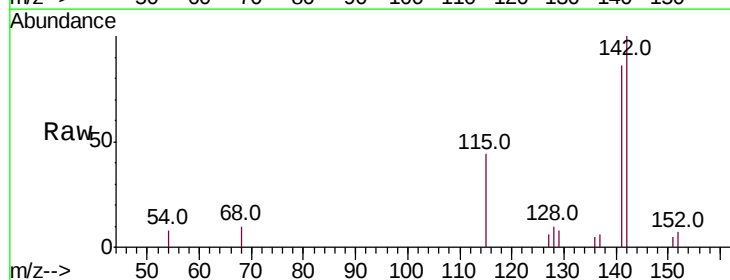
Acq: 28 Aug 2019 05:42

Tgt Ion:142 Resp: 2334

Ion Ratio Lower Upper

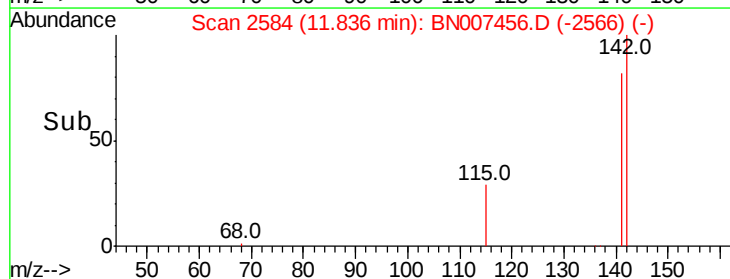
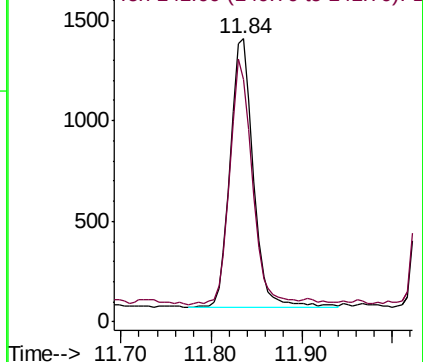
142 100

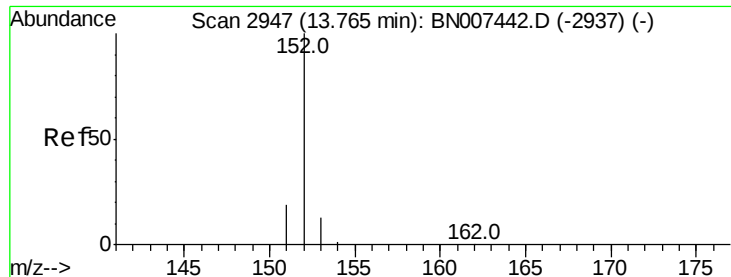
141 88.3 71.7 107.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.137 ng/ul

RT: 13.76 min Scan# 2947

Delta R.T. -0.00 min

Lab File: BN007456.D

Acq: 28 Aug 2019 05:42

Instrument :

BNA_N

ClientSampleId :

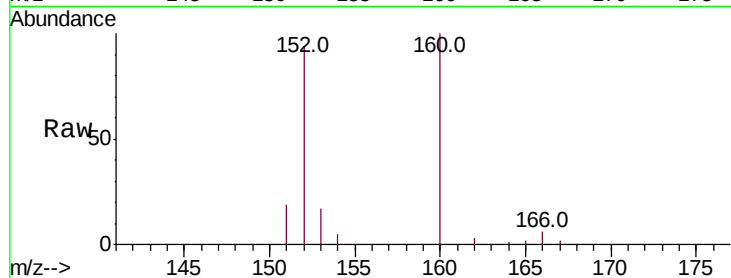
Tot Ion:152 Resp: 9382

Ion Ratio Lower Upper

152 100

151 20.4 15.8 23.6

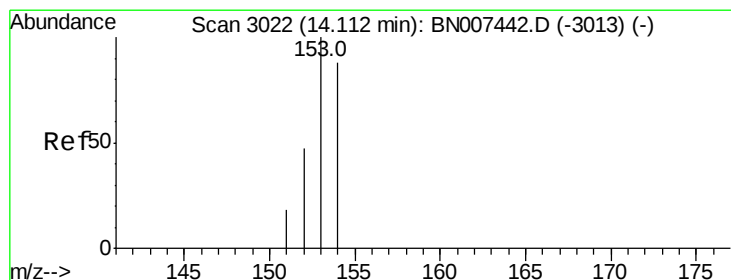
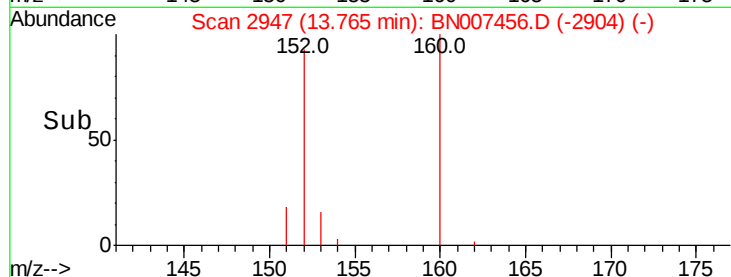
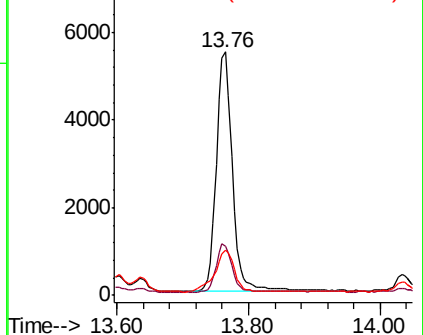
153 18.5 10.8 16.2#



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: 6.243 ng/ul

RT: 14.11 min Scan# 3022

Delta R.T. -0.00 min

Lab File: BN007456.D

Acq: 28 Aug 2019 05:42

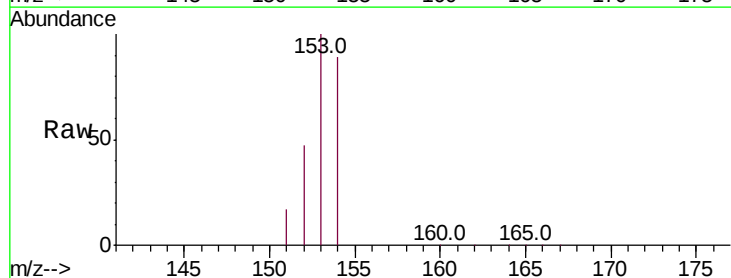
Tgt Ion:153 Resp: 307237

Ion Ratio Lower Upper

153 100

152 46.6 39.1 58.7

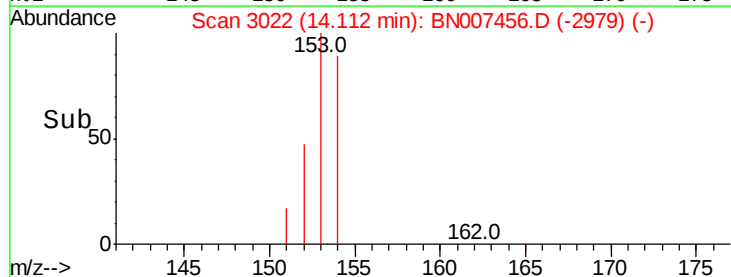
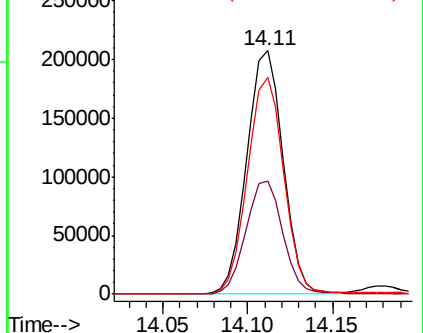
154 89.0 69.4 104.2

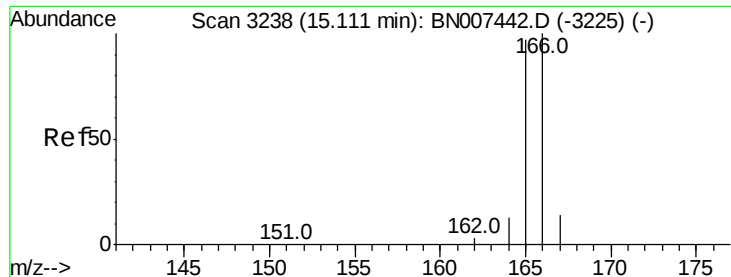


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 3.584 ng/ul

RT: 15.11 min Scan# 3237

Delta R.T. -0.00 min

Lab File: BN007456.D

Acq: 28 Aug 2019 05:42

Instrument :

BNA_N

ClientSampleId :

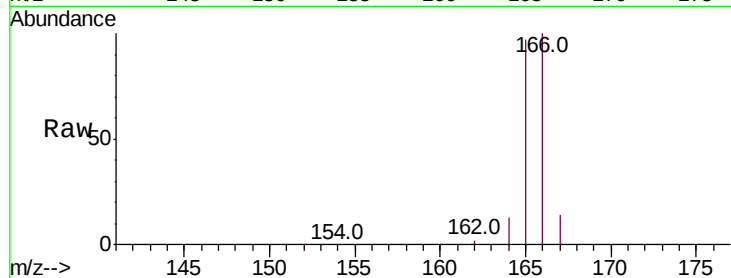
Tot Ion:166 Resp: 190884

Ion Ratio Lower Upper

166 100

165 96.9 79.6 119.4

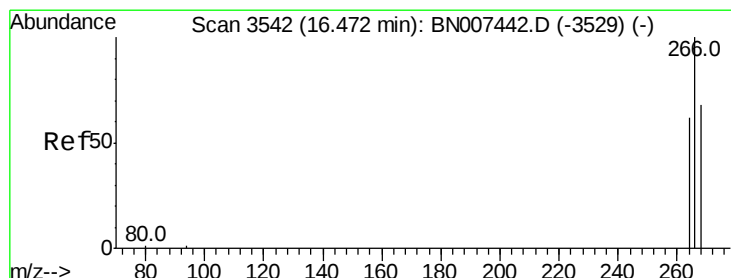
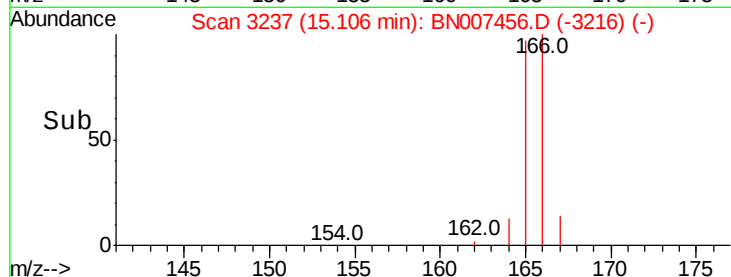
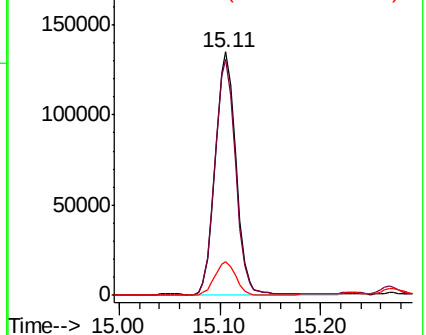
167 13.7 11.7 17.5



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: 0.029 ng/ul

RT: 16.46 min Scan# 3540

Delta R.T. -0.01 min

Lab File: BN007456.D

Acq: 28 Aug 2019 05:42

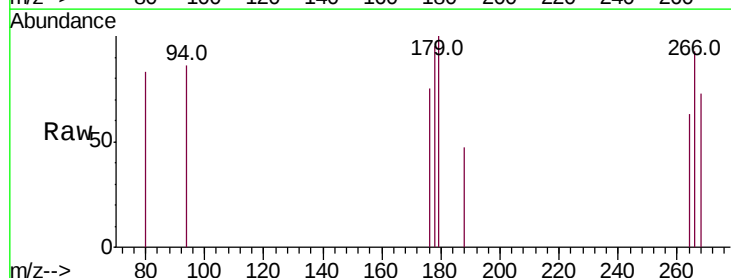
Tgt Ion:266 Resp: 173

Ion Ratio Lower Upper

266 100

264 56.6 49.0 73.6

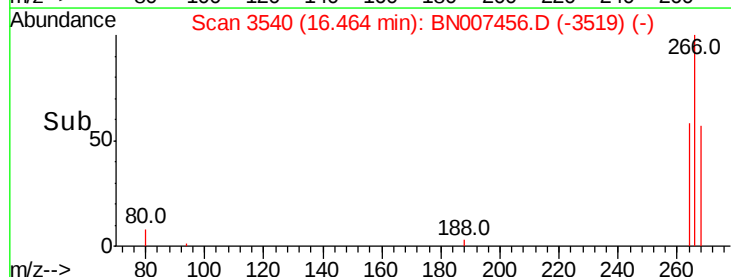
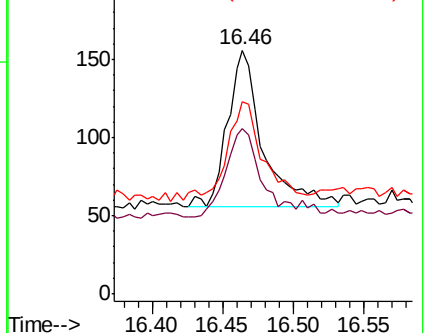
268 59.0 50.2 75.2

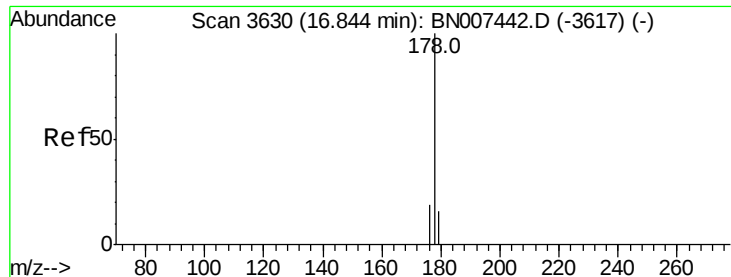


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.591 ng/ul

RT: 16.84 min Scan# 3629

Delta R.T. -0.00 min

Lab File: BN007456.D

Acq: 28 Aug 2019 05:42

Instrument :

BNA_N

ClientSampleId :

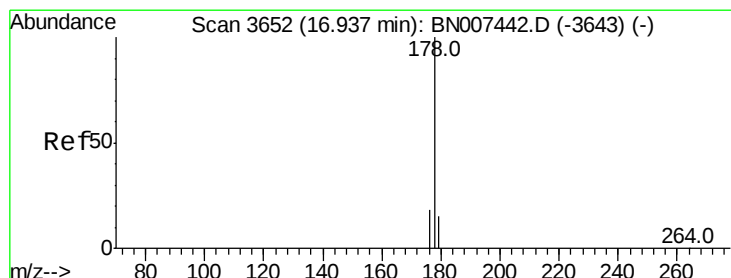
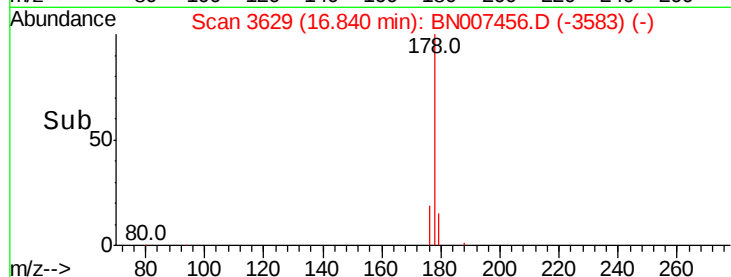
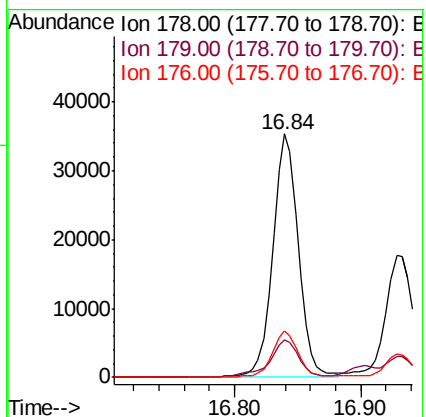
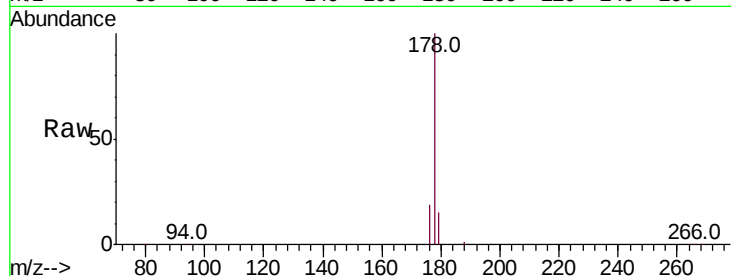
Tot Ion:178 Resp: 48909

Ion Ratio Lower Upper

178 100

179 15.5 12.8 19.2

176 18.9 15.2 22.8



#13

Anthracene

Concen: 0.320 ng/ul

RT: 16.93 min Scan# 3650

Delta R.T. -0.01 min

Lab File: BN007456.D

Acq: 28 Aug 2019 05:42

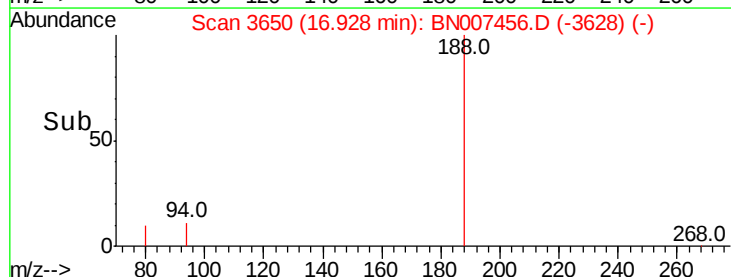
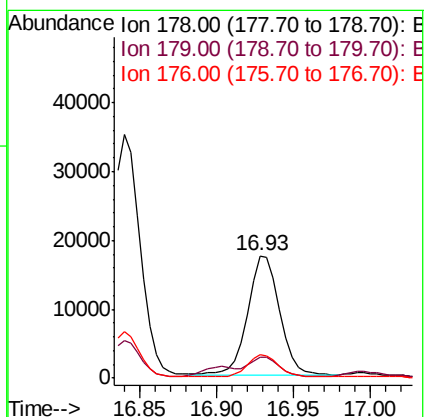
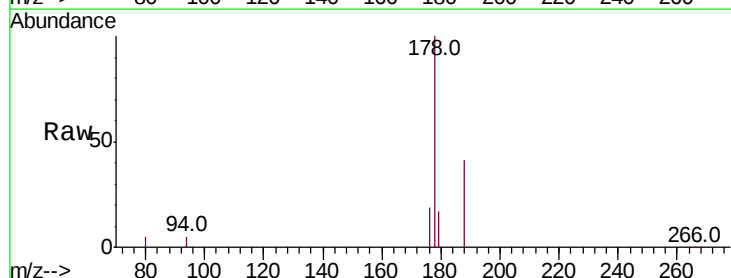
Tgt Ion:178 Resp: 24979

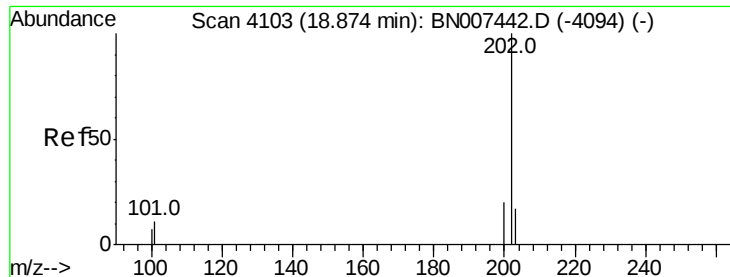
Ion Ratio Lower Upper

178 100

179 16.7 12.8 19.2

176 18.8 14.6 21.8





#15

Fluoranthene

Concen: 0.916 ng/ul

RT: 18.87 min Scan# 4102

Delta R.T. -0.00 min

Lab File: BN007456.D

Acq: 28 Aug 2019 05:42

Instrument :

BNA_N

ClientSampleId :

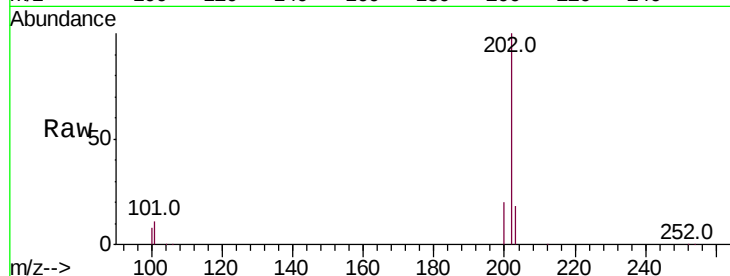
Tot Ion:202 Resp: 101472

Ion Ratio Lower Upper

202 100

101 11.1 0.0 31.3

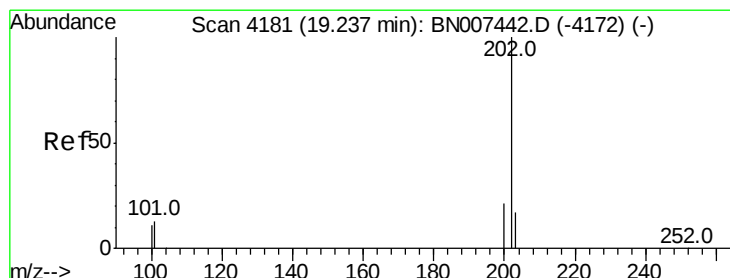
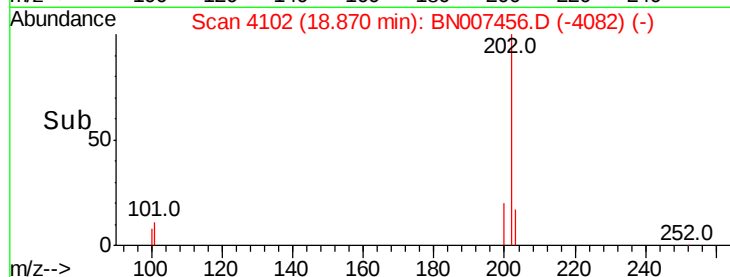
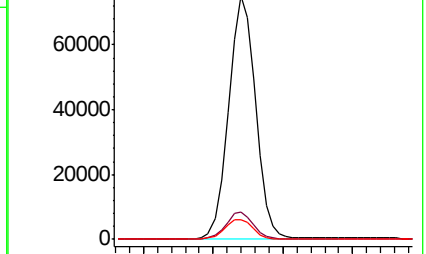
100 8.3 0.0 28.5



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: 0.574 ng/ul

RT: 19.24 min Scan# 4181

Delta R.T. -0.00 min

Lab File: BN007456.D

Acq: 28 Aug 2019 05:42

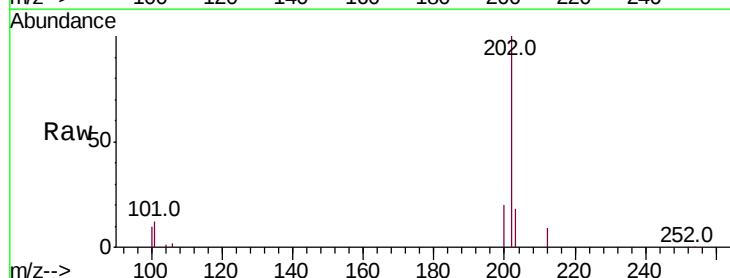
Tgt Ion:202 Resp: 64846

Ion Ratio Lower Upper

202 100

101 12.3 10.7 16.1

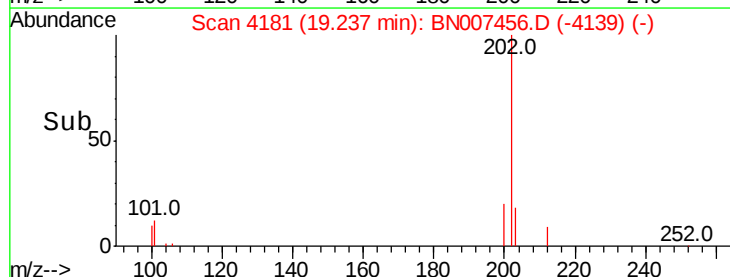
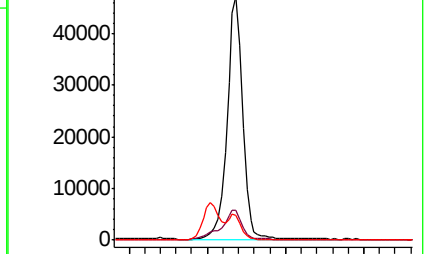
100 9.9 8.6 12.8

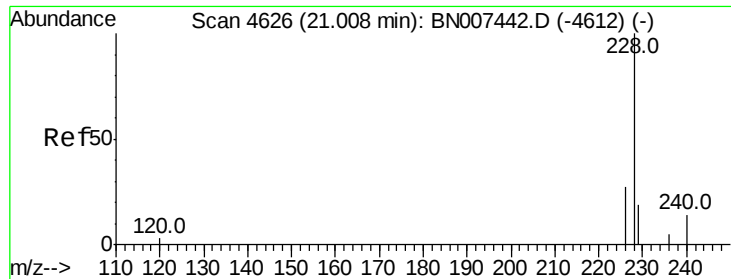


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.168 ng/ul

RT: 21.00 min Scan# 4623

Delta R.T. -0.01 min

Lab File: BN007456.D

Acq: 28 Aug 2019 05:42

Instrument :

BNA_N

ClientSampleId :

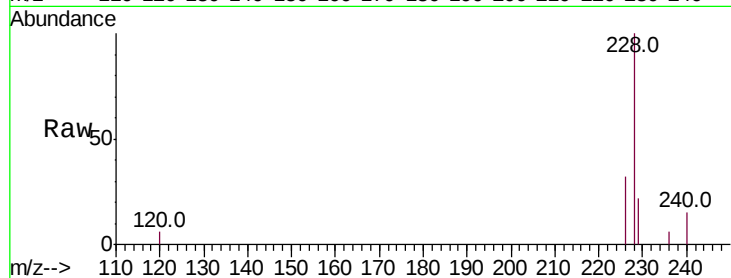
Tot Ion:228 Resp: 17309

Ion Ratio Lower Upper

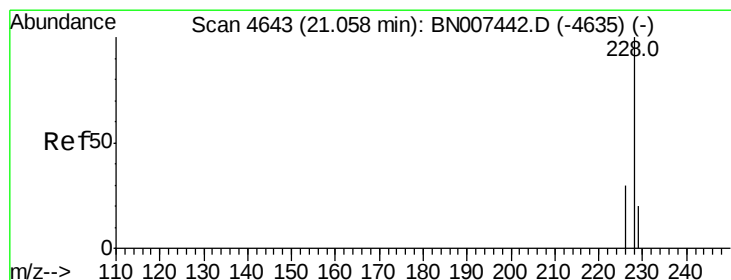
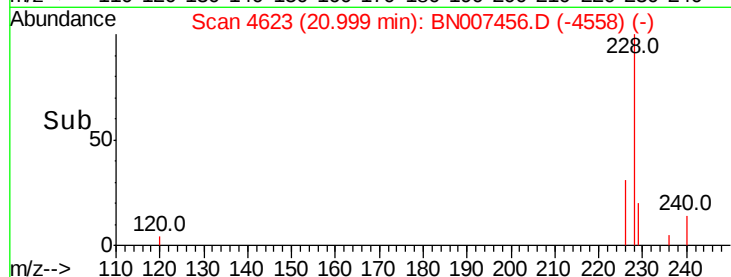
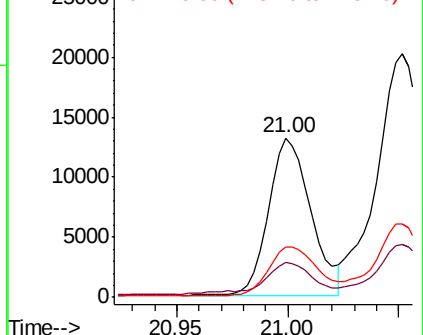
228 100

229 21.8 15.4 23.2

226 31.5 22.0 33.0



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: 0.265 ng/ul

RT: 21.05 min Scan# 4641

Delta R.T. -0.01 min

Lab File: BN007456.D

Acq: 28 Aug 2019 05:42

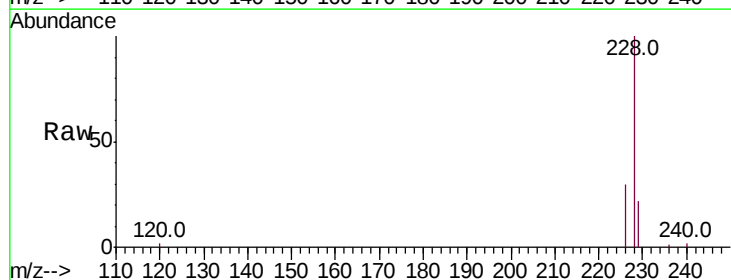
Tgt Ion:228 Resp: 29398

Ion Ratio Lower Upper

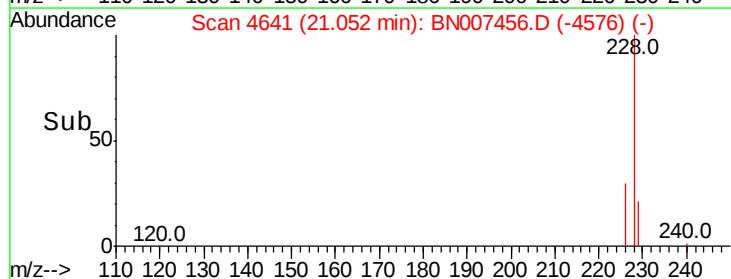
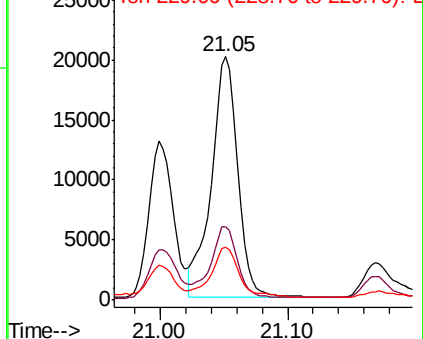
228 100

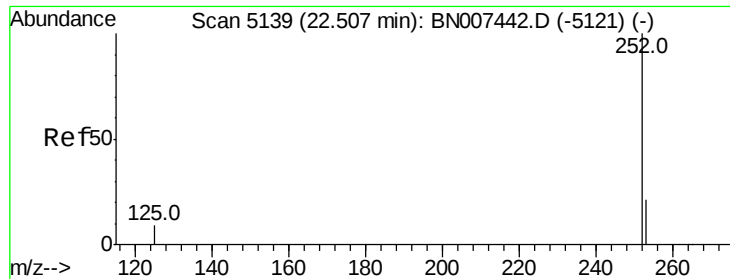
226 30.2 24.1 36.1

229 21.8 16.1 24.1



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: 0.354 ng/u1

RT: 22.50 min Scan# 5137

Delta R.T. -0.01 min

Lab File: BN007456.D

Acq: 28 Aug 2019 05:42

Instrument :

BNA_N

ClientSampleId :

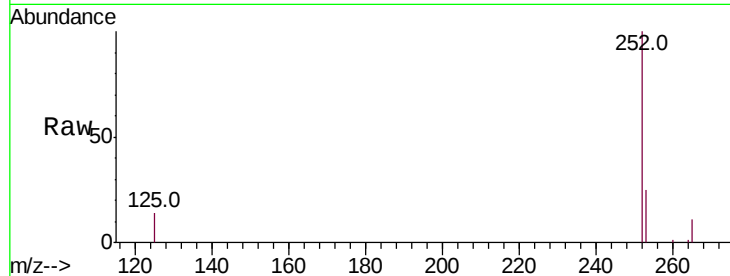
Tot Ion:252 Resp: 39833

Ion Ratio Lower Upper

252 100

253 24.9 0.0 47.0

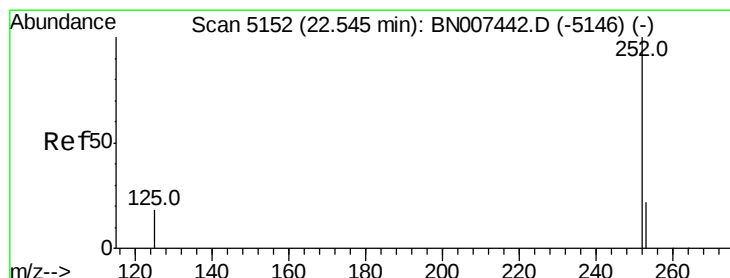
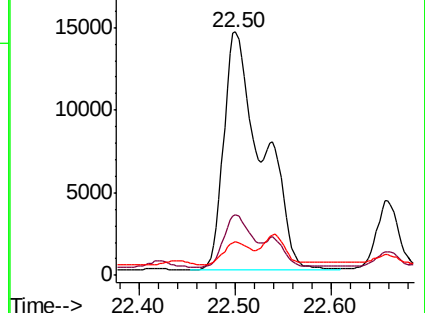
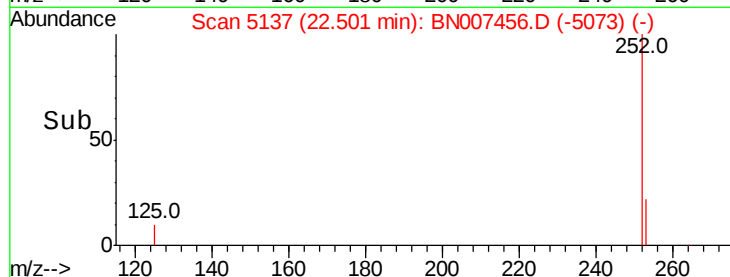
125 13.9 0.0 24.8



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



#22

Benzo(k)fluoranthene

Concen: 0.339 ng/u1

RT: 22.50 min Scan# 5137

Delta R.T. -0.05 min

Lab File: BN007456.D

Acq: 28 Aug 2019 05:42

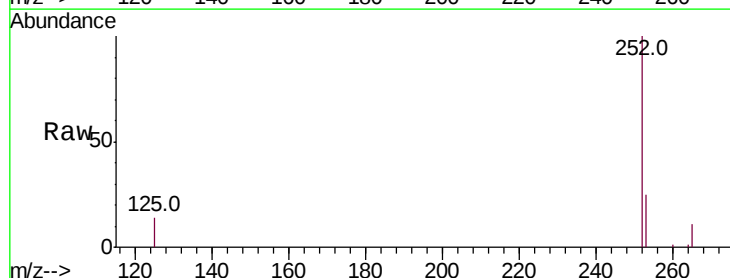
Tgt Ion:252 Resp: 39833

Ion Ratio Lower Upper

252 100

253 24.9 18.7 28.1

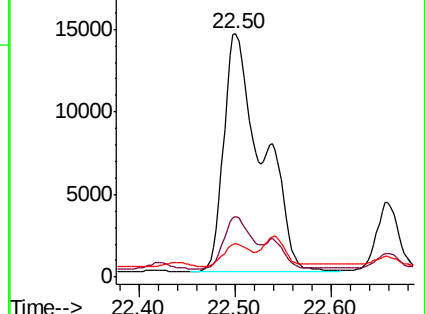
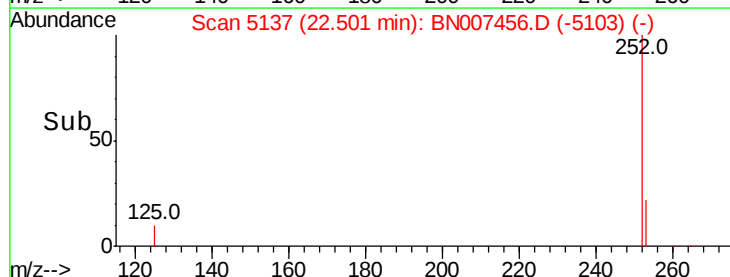
125 13.9 12.4 18.6

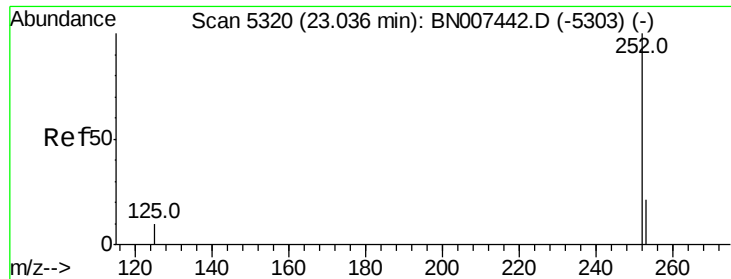


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.181 ng/u1

RT: 23.02 min Scan# 5316

Delta R.T. -0.01 min

Lab File: BN007456.D

Acq: 28 Aug 2019 05:42

Instrument :

BNA_N

ClientSampleId :

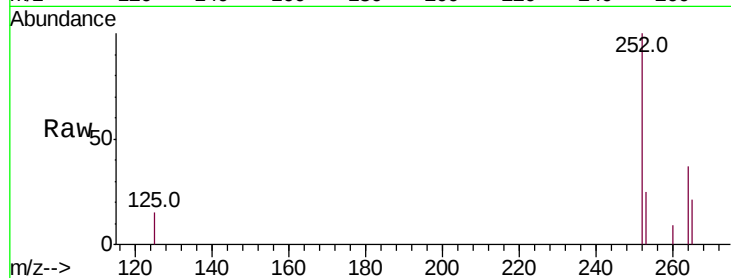
Tot Ion:252 Resp: 20249

Ion Ratio Lower Upper

252 100

253 24.9 19.0 28.6

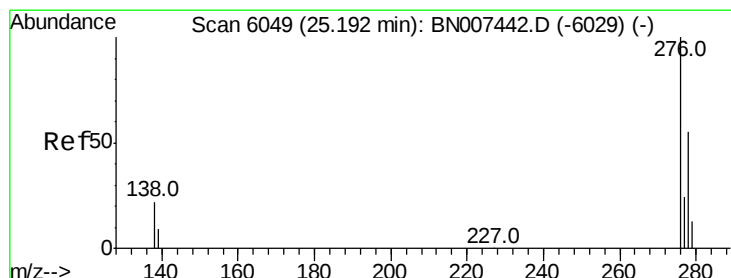
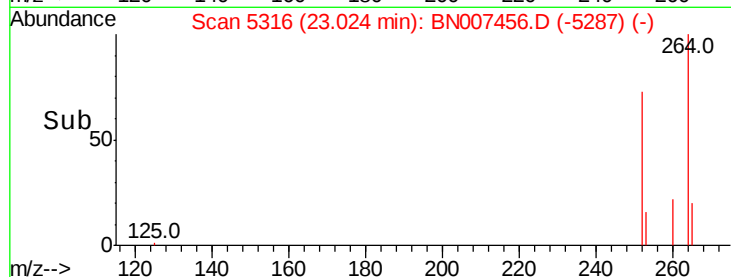
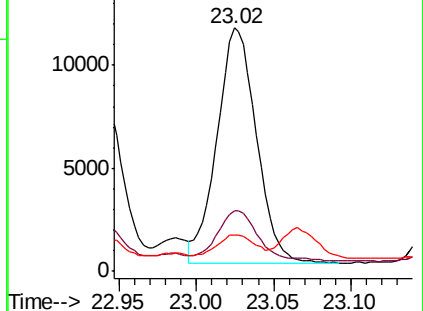
125 14.8 11.2 16.8



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.115 ng/u1

RT: 25.18 min Scan# 6045

Delta R.T. -0.02 min

Lab File: BN007456.D

Acq: 28 Aug 2019 05:42

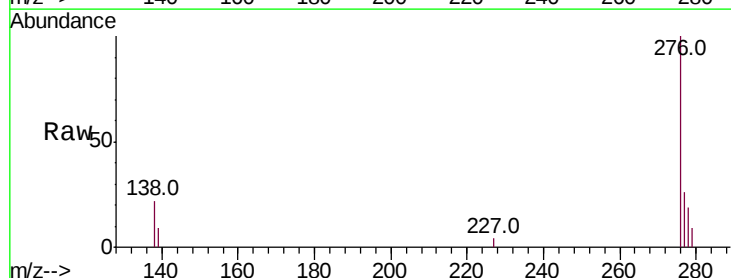
Tgt Ion:276 Resp: 14482

Ion Ratio Lower Upper

276 100

138 21.5 19.7 29.5

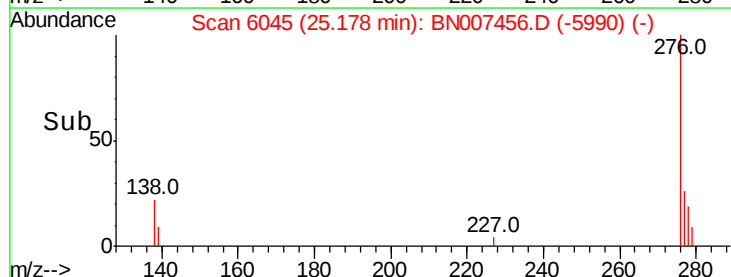
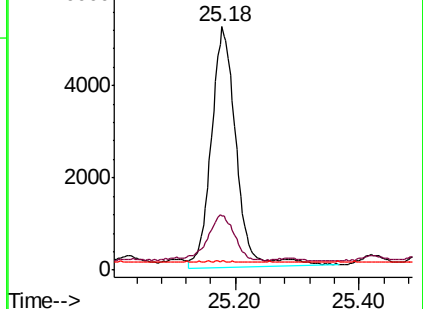
227 0.0 0.1 0.1#

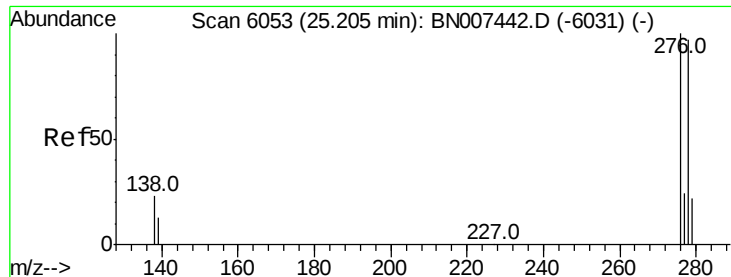


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

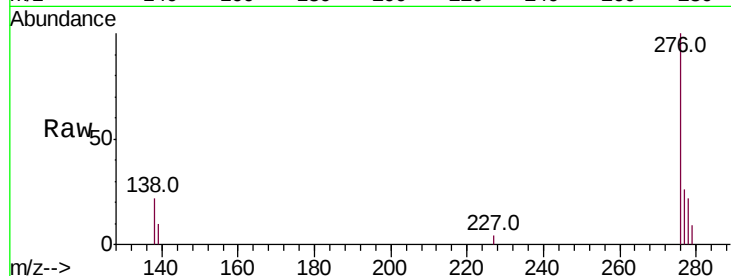




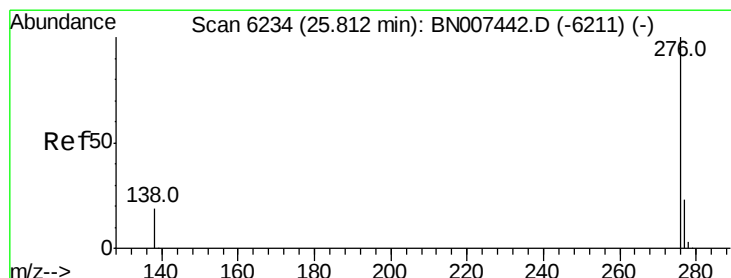
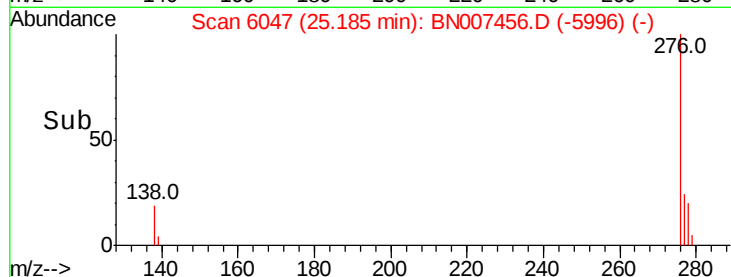
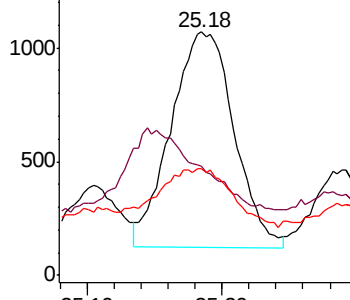
#25
Dibenzo(a,h)anthracene
Concen: 0.031 ng/ul
RT: 25.18 min Scan# 6047
Delta R.T. -0.03 min
Lab File: BN007456.D
Acq: 28 Aug 2019 05:42

Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 3077
Ion Ratio Lower Upper
278 100
139 44.8 14.6 21.8#
279 43.7 19.8 29.8#

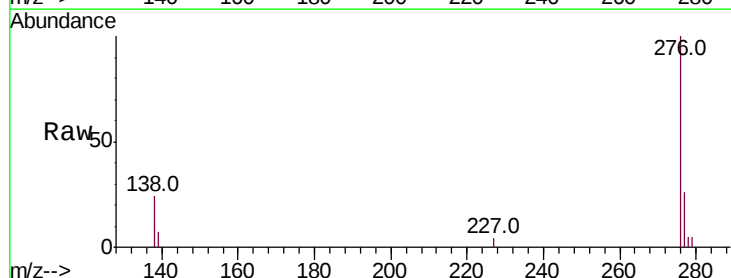


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 0.124 ng/ul
RT: 25.81 min Scan# 6232
Delta R.T. -0.02 min
Lab File: BN007456.D
Acq: 28 Aug 2019 05:42

Tgt Ion:276 Resp: 13230
Ion Ratio Lower Upper
276 100
138 23.9 17.1 25.7
277 25.8 19.4 29.0



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

