

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN122818\
 Data File : BN004264.D
 Acq On : 28 Dec 2018 16:11
 Operator : JU/SJ
 Sample : SSTD3.257
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD3.257

Quant Time: Dec 28 16:43:14 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN122818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 28 15:21:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	2166	0.40	ng/ul	0.00
2) Naphthalene-d8	10.62	136	9545	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.46	164	5288	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.21	188	11255	0.40	ng/ul	-0.01
16) Chrysene-d12	21.40	240	14521	0.40	ng/ul	0.00
20) Perylene-d12	23.73	264	12109	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.20	152	49562	3.95	ng/ul	0.00
14) Fluoranthene-d10	19.24	212	116121	4.45	ng/ul	0.00

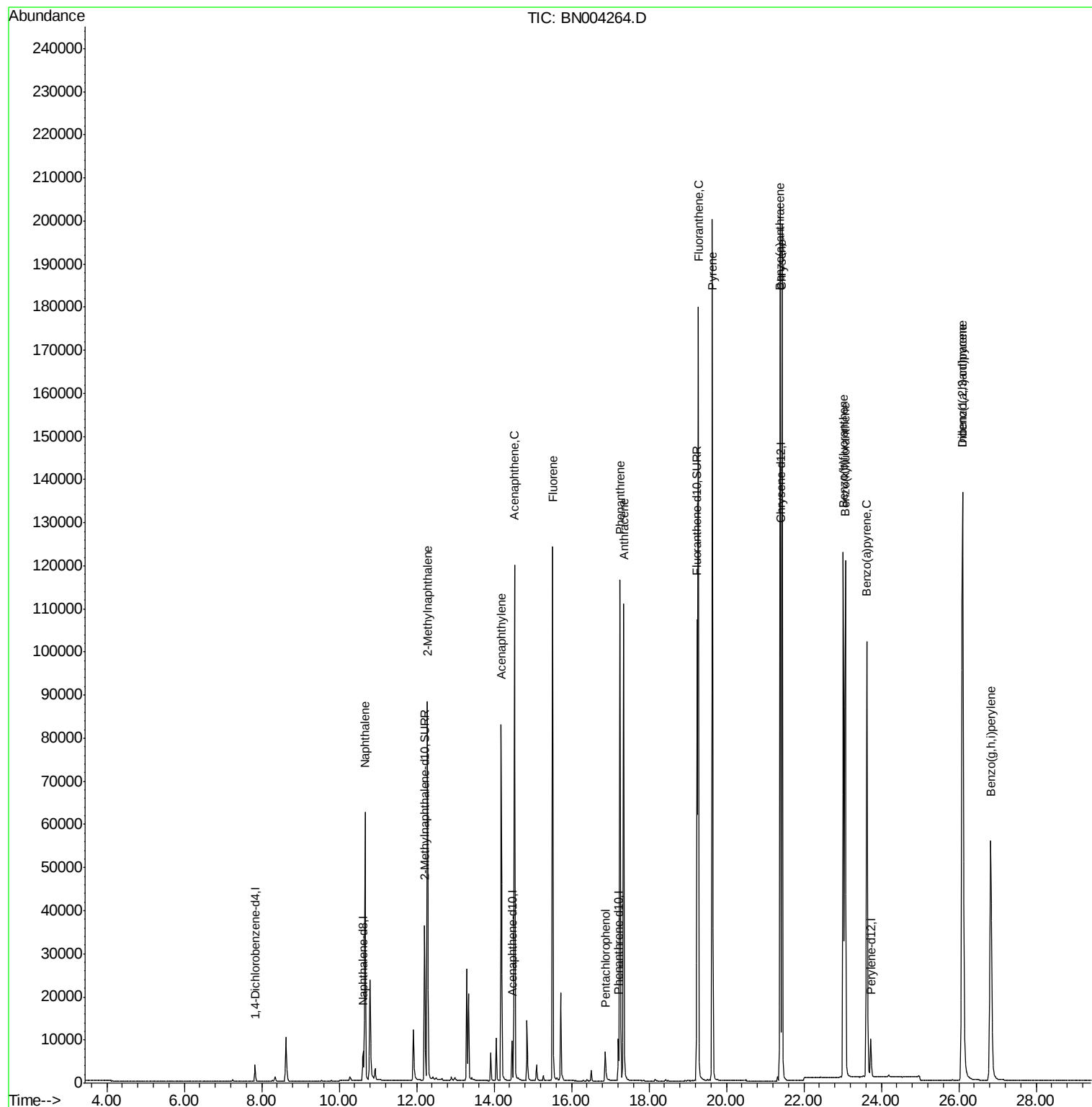
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.67	128	87680	2.869	ng/ul	98
5) 2-Methylnaphthalene	12.28	142	64000	3.301	ng/ul	100
7) Acenaphthylene	14.19	152	95063	3.613	ng/ul	98
8) Acenaphthene	14.52	153	70654	2.782	ng/ul	99
9) Fluorene	15.51	166	80787	2.930	ng/ul	98
11) Pentachlorophenol	16.87	266	7052	3.116	ng/ul	98
12) Phenanthrene	17.25	178	125254	2.727	ng/ul	99
13) Anthracene	17.34	178	121321	3.554	ng/ul	99
15) Fluoranthene	19.27	202	153949	3.455	ng/ul	97
17) Pyrene	19.63	202	164166	1.921	ng/ul	99
18) Benzo(a)anthracene	21.39	228	168120	2.950	ng/ul	99
19) Chrysene	21.44	228	163593	2.109	ng/ul	99
21) Benzo(b)fluoranthene	23.02	252	158315	2.172	ng/ul	96
22) Benzo(k)fluoranthene	23.07	252	161413	2.351	ng/ul	96
23) Benzo(a)pyrene	23.63	252	148437	2.604	ng/ul	94
24) Indeno(1,2,3-cd)pyrene	26.09	276	166606	2.589	ng/ul#	100
25) Dibenzo(a,h)anthracene	26.10	278	136444	2.939	ng/ul	96
26) Benzo(g,h,i)perylene	26.82	276	125412	1.978	ng/ul	97

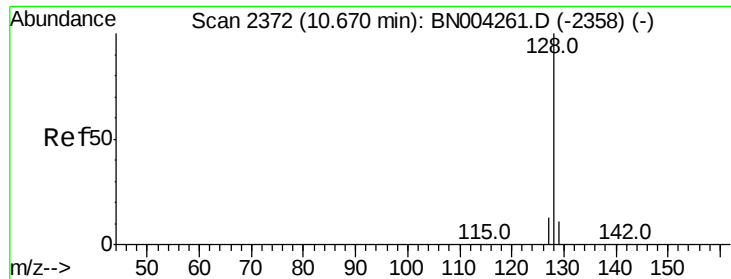
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 2.869 ng/ul

RT: 10.67 min Scan# 2372

Delta R.T. 0.00 min

Lab File: BN004264.D

Acq: 28 Dec 2018 16:11

Instrument :

BNA_N

ClientSampleId :

SSTD3.257

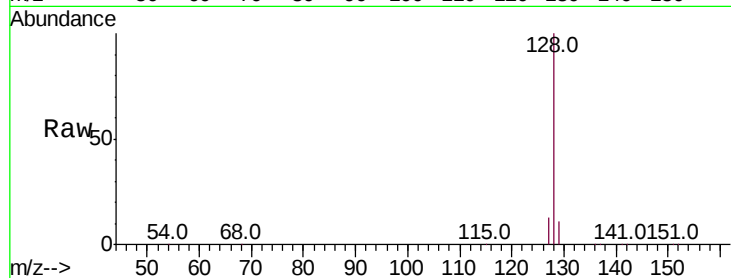
Tot Ion:128 Resp: 87680

Ion Ratio Lower Upper

128 100

129 11.1 9.5 14.3

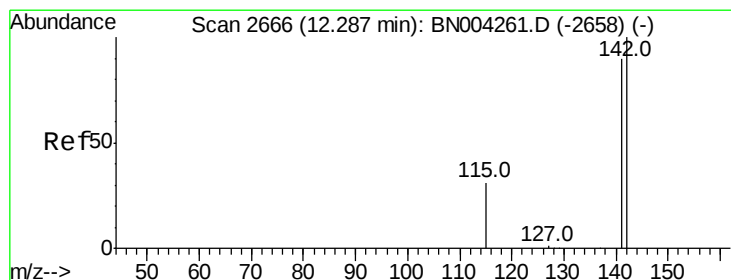
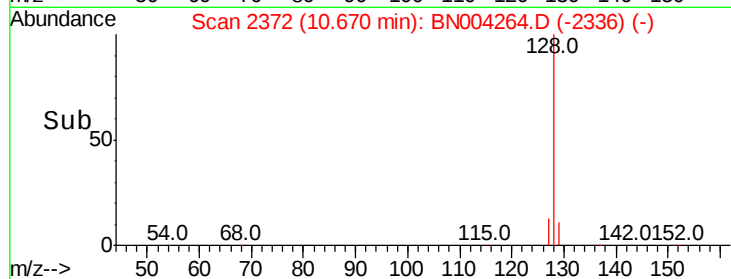
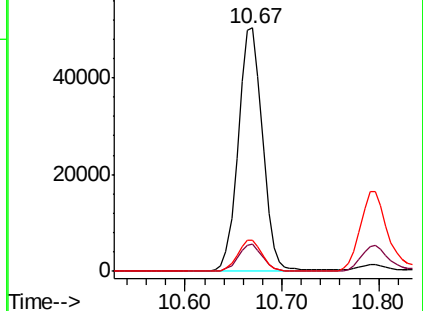
127 12.9 11.0 16.4



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: 3.301 ng/ul

RT: 12.28 min Scan# 2665

Delta R.T. -0.01 min

Lab File: BN004264.D

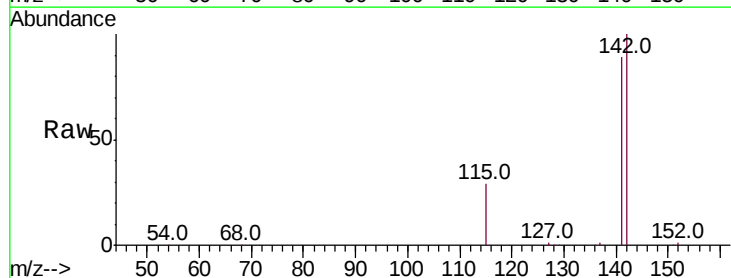
Acq: 28 Dec 2018 16:11

Tgt Ion:142 Resp: 64000

Ion Ratio Lower Upper

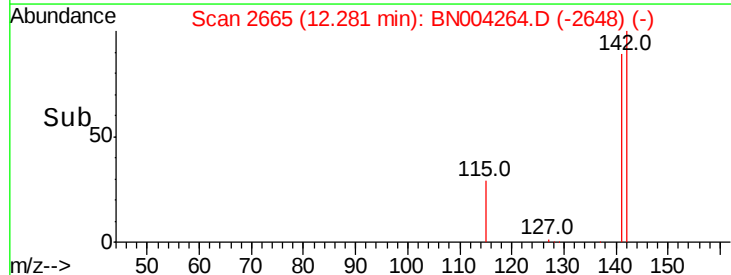
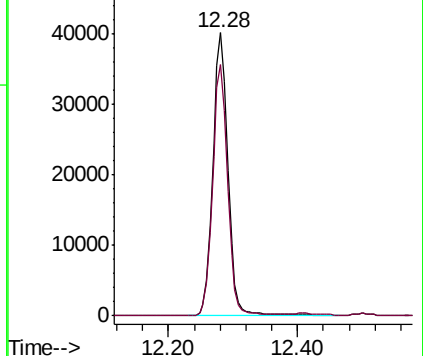
142 100

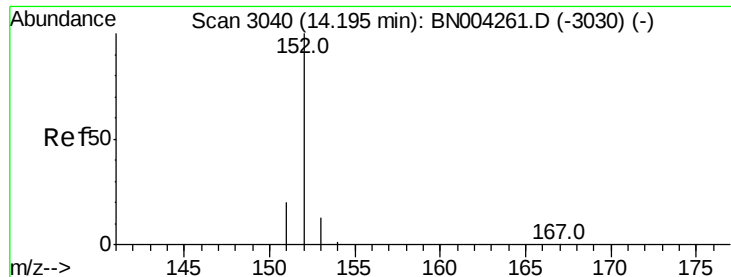
141 88.9 71.4 107.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 3.613 ng/ul

RT: 14.19 min Scan# 3038

Delta R.T. -0.01 min

Lab File: BN004264.D

Acq: 28 Dec 2018 16:11

Instrument :

BNA_N

ClientSampleId :

SSTD3.257

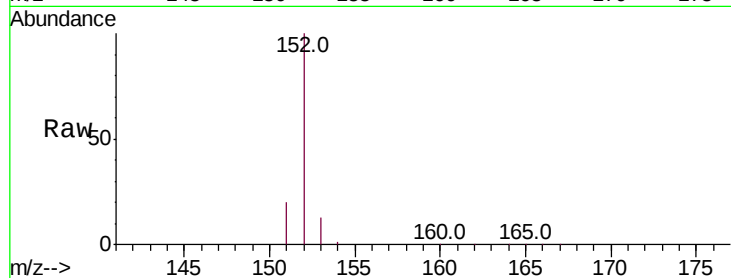
Tot Ion:152 Resp: 95063

Ion Ratio Lower Upper

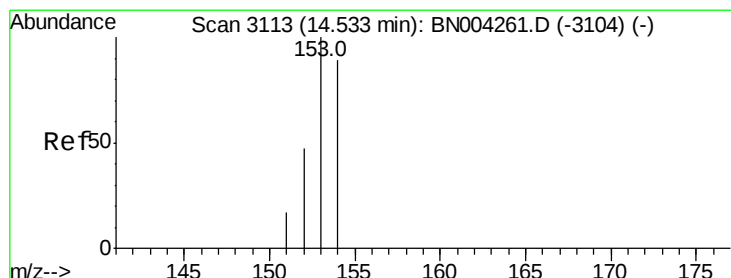
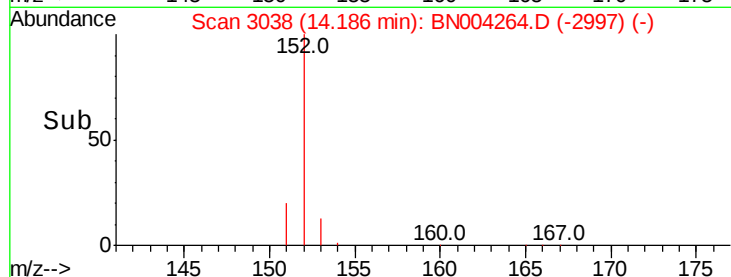
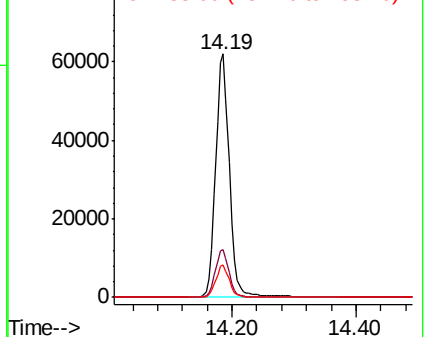
152 100

151 19.6 16.3 24.5

153 13.1 11.1 16.7



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: 2.782 ng/ul

RT: 14.52 min Scan# 3111

Delta R.T. -0.01 min

Lab File: BN004264.D

Acq: 28 Dec 2018 16:11

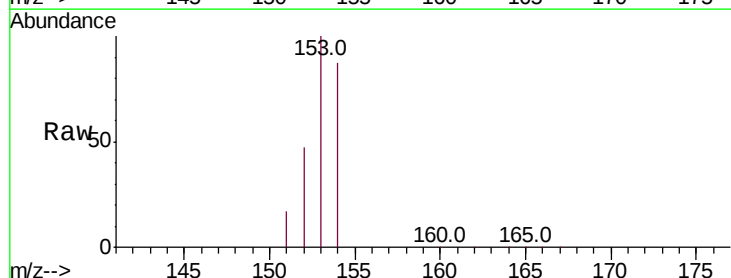
Tgt Ion:153 Resp: 70654

Ion Ratio Lower Upper

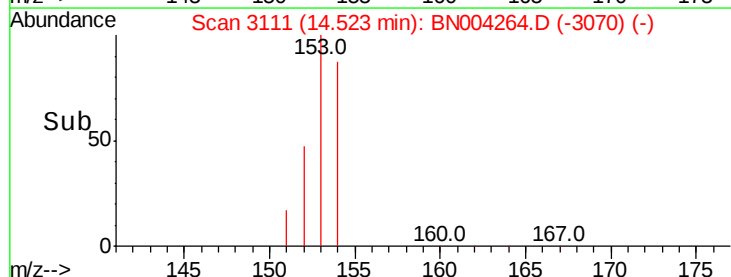
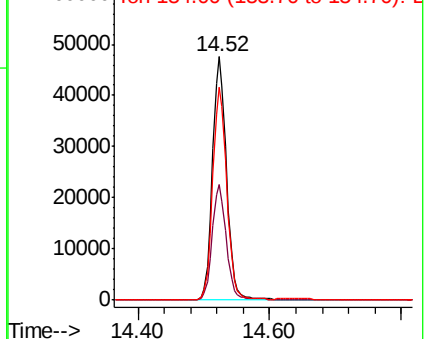
153 100

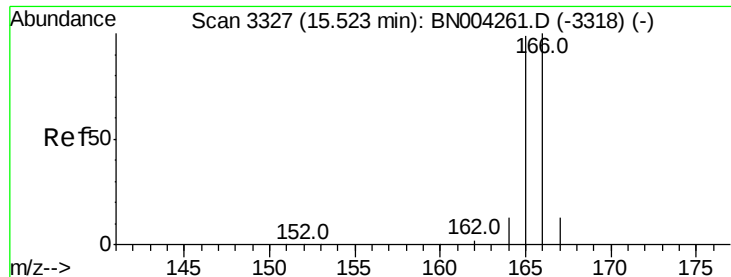
152 47.2 38.2 57.2

154 87.4 70.9 106.3



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: 2.930 ng/ul

RT: 15.51 min Scan# 3325

Delta R.T. -0.01 min

Lab File: BN004264.D

Acq: 28 Dec 2018 16:11

Instrument :

BNA_N

ClientSampleId :

SSTD3.257

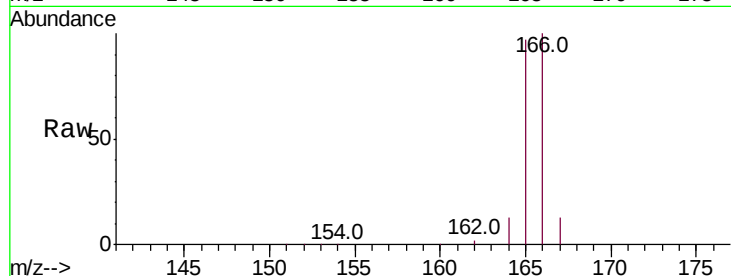
Tot Ion:166 Resp: 80787

Ion Ratio Lower Upper

166 100

165 96.9 79.0 118.6

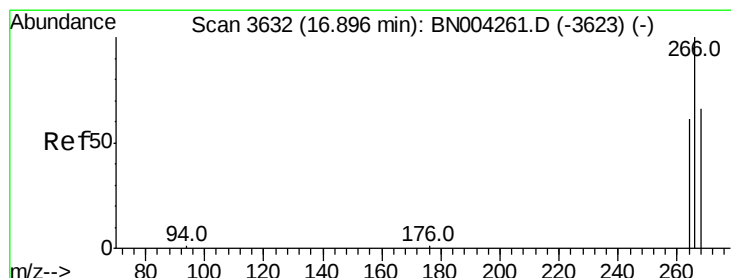
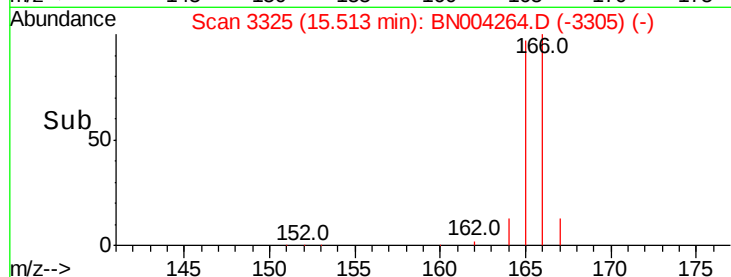
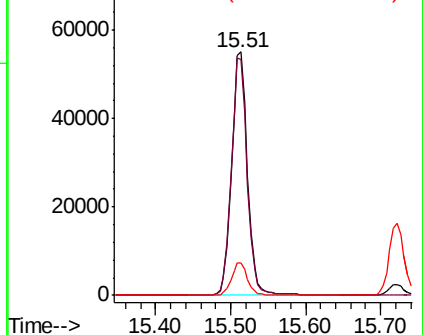
167 13.3 11.3 16.9



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: 3.116 ng/ul

RT: 16.87 min Scan# 3626

Delta R.T. -0.03 min

Lab File: BN004264.D

Acq: 28 Dec 2018 16:11

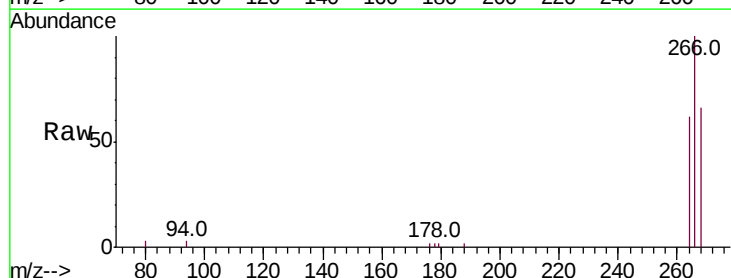
Tgt Ion:266 Resp: 7052

Ion Ratio Lower Upper

266 100

264 62.3 51.1 76.7

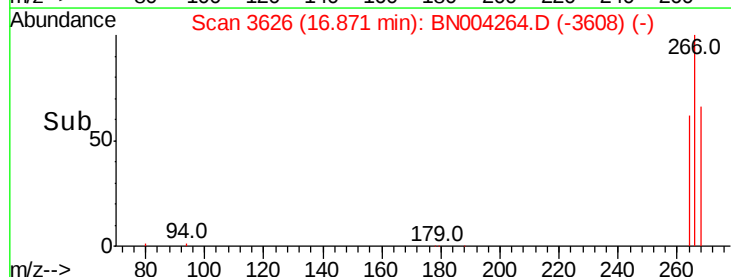
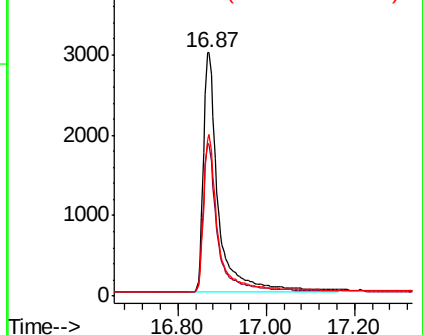
268 64.4 52.6 78.8

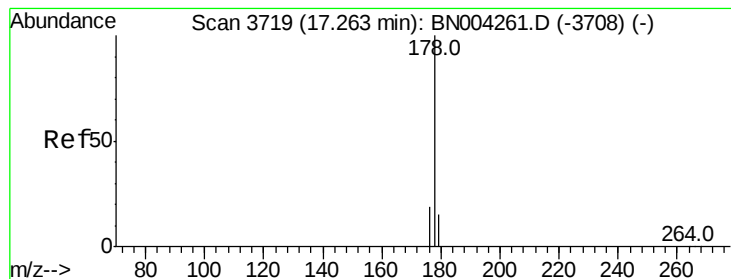


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 2.727 ng/ul

RT: 17.25 min Scan# 3716

Delta R.T. -0.01 min

Lab File: BN004264.D

Acq: 28 Dec 2018 16:11

Instrument :

BNA_N

ClientSampleId :

SSTD3.257

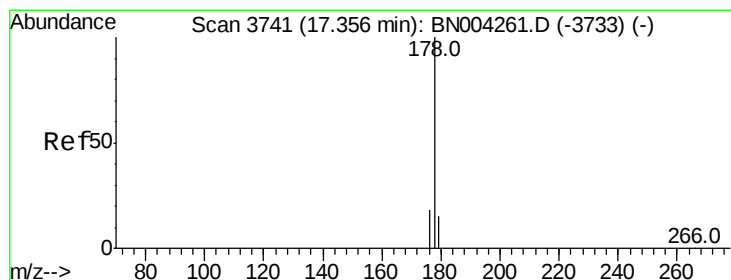
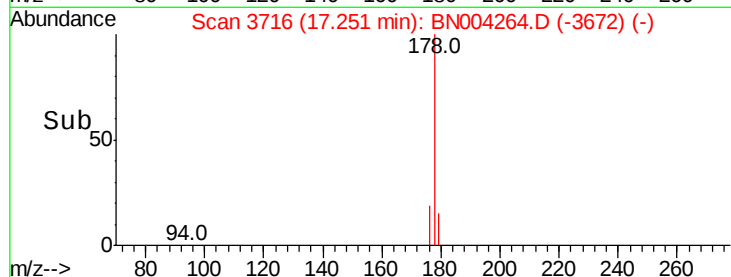
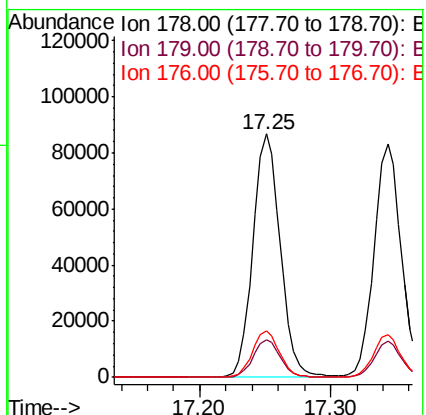
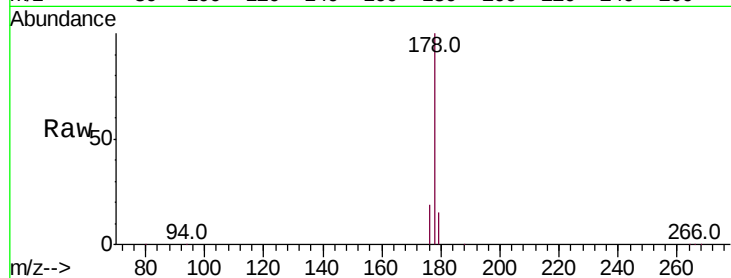
Tot Ion:178 Resp: 125254

Ion Ratio Lower Upper

178 100

179 15.2 12.6 18.8

176 18.9 15.2 22.8



#13

Anthracene

Concen: 3.554 ng/ul

RT: 17.34 min Scan# 3738

Delta R.T. -0.01 min

Lab File: BN004264.D

Acq: 28 Dec 2018 16:11

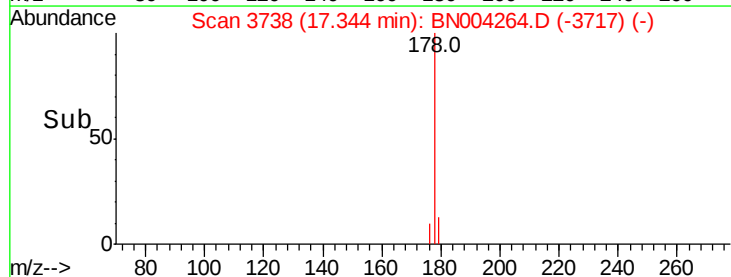
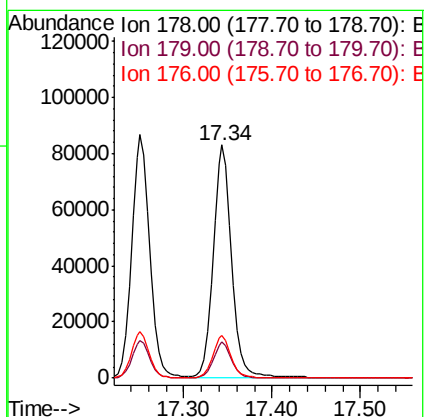
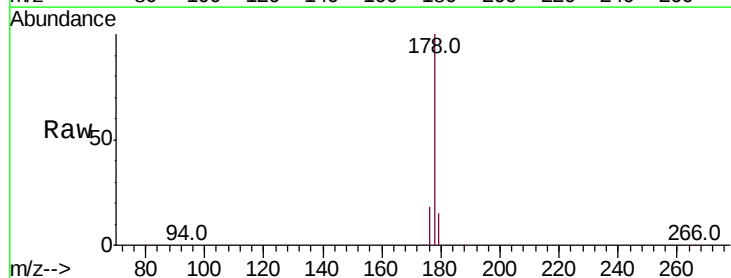
Tgt Ion:178 Resp: 121321

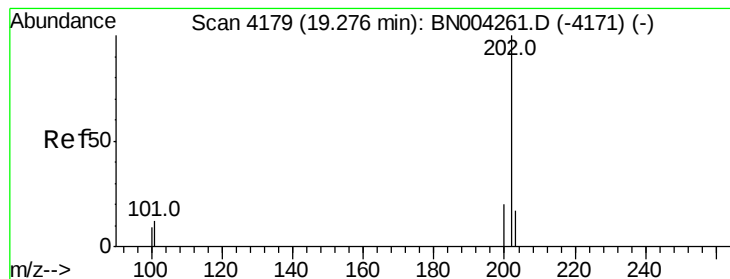
Ion Ratio Lower Upper

178 100

179 15.3 12.7 19.1

176 18.1 15.0 22.6





#15

Fluoranthene

Concen: 3.455 ng/ul

RT: 19.27 min Scan# 4178

Delta R.T. -0.00 min

Lab File: BN004264.D

Acq: 28 Dec 2018 16:11

Instrument :

BNA_N

ClientSampleId :

SSTD3.257

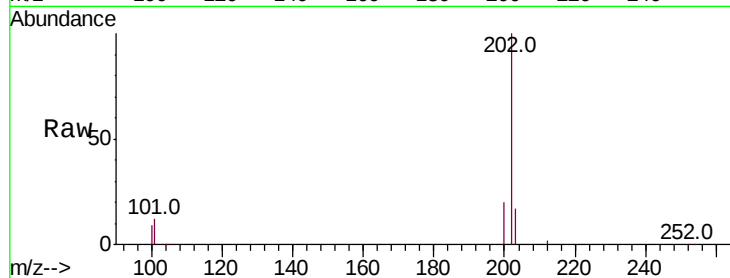
Tot Ion:202 Resp: 153949

Ion Ratio Lower Upper

202 100

101 11.5 0.0 32.6

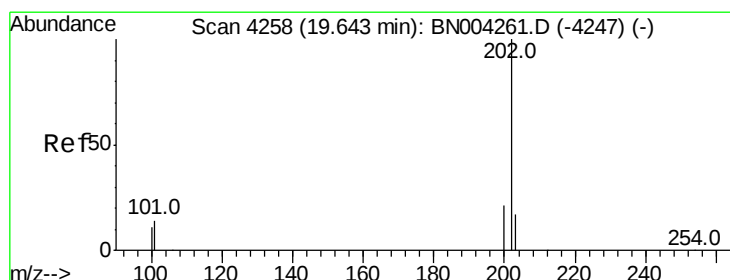
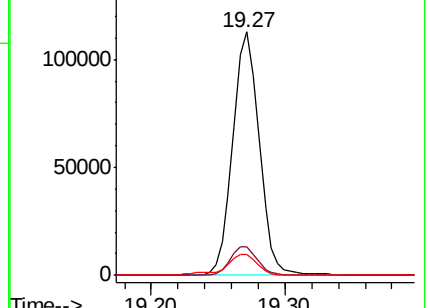
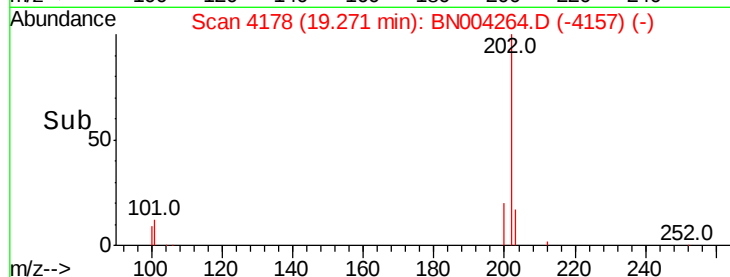
100 8.6 0.0 29.7



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: 1.921 ng/ul

RT: 19.63 min Scan# 4256

Delta R.T. -0.01 min

Lab File: BN004264.D

Acq: 28 Dec 2018 16:11

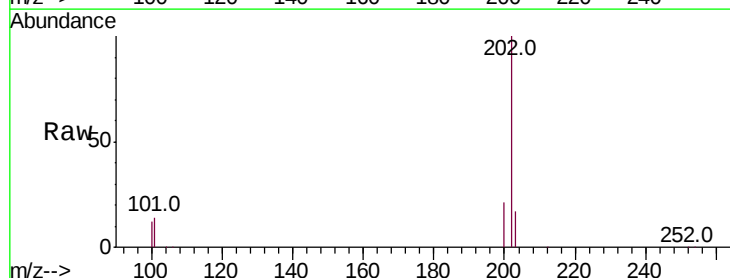
Tgt Ion:202 Resp: 164166

Ion Ratio Lower Upper

202 100

101 14.3 11.2 16.8

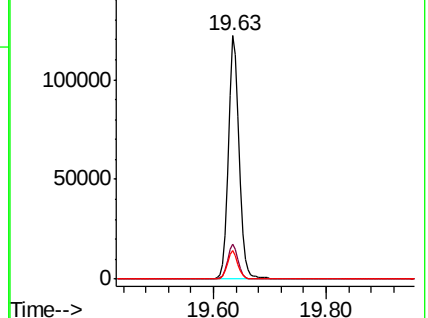
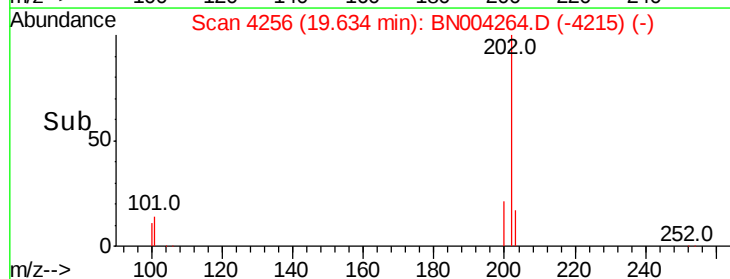
100 11.5 9.1 13.7

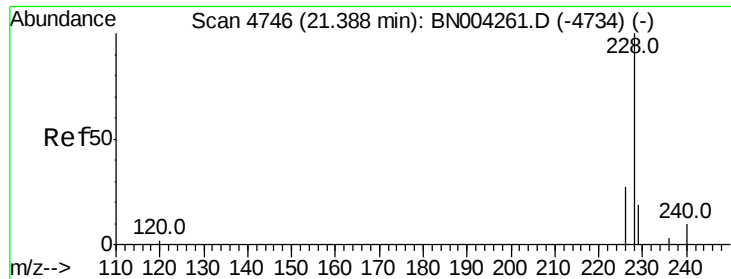


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 2.950 ng/ul

RT: 21.39 min Scan# 4745

Delta R.T. -0.00 min

Lab File: BN004264.D

Acq: 28 Dec 2018 16:11

Instrument :

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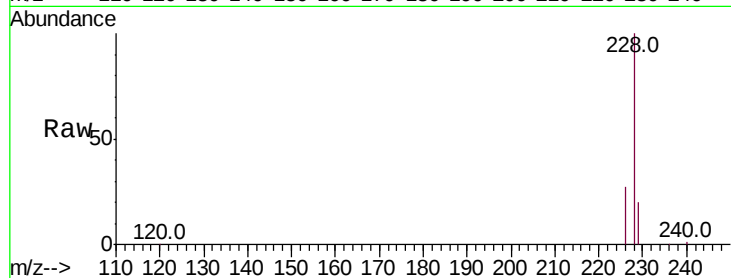
Tot Ion:228 Resp: 168120

Ion Ratio Lower Upper

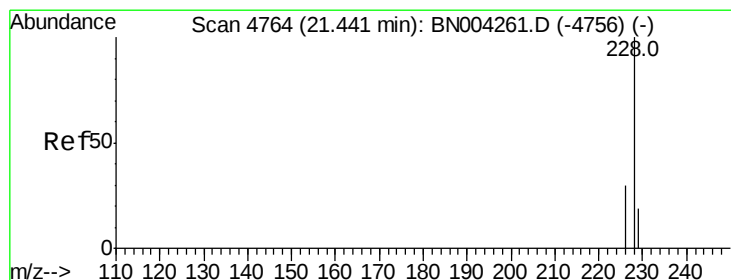
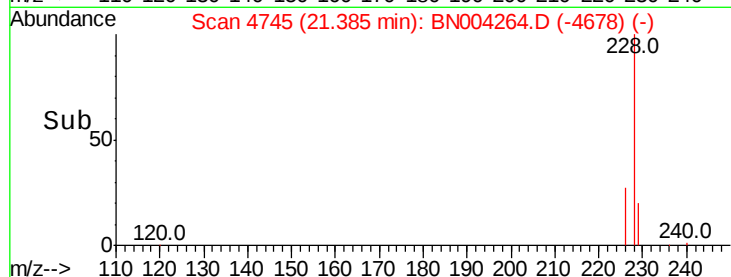
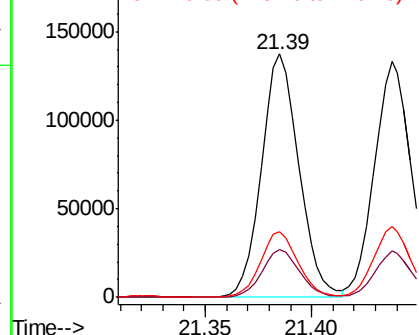
228 100

229 19.7 15.9 23.9

226 27.1 21.9 32.9



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: 2.109 ng/ul

RT: 21.44 min Scan# 4763

Delta R.T. -0.00 min

Lab File: BN004264.D

Acq: 28 Dec 2018 16:11

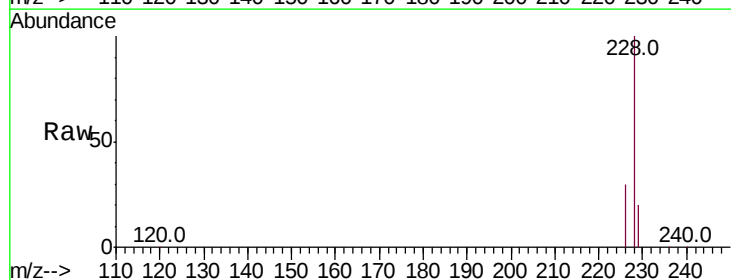
Tgt Ion:228 Resp: 163593

Ion Ratio Lower Upper

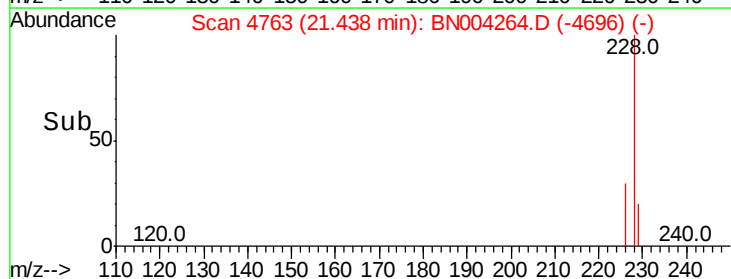
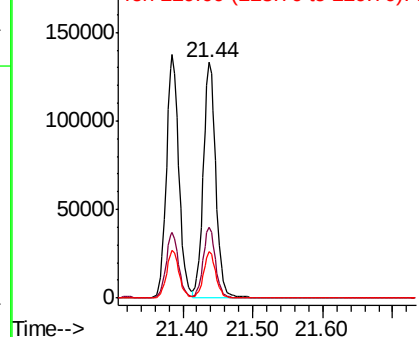
228 100

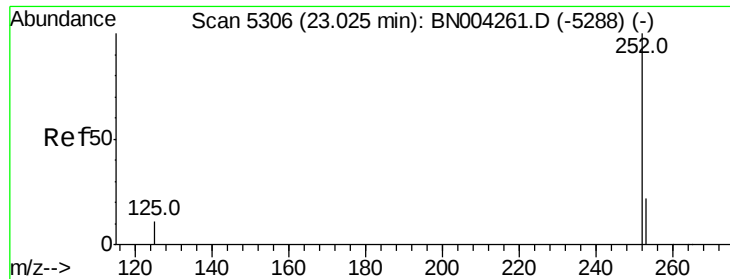
226 29.8 24.3 36.5

229 19.5 15.9 23.9



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: 2.172 ng/ul

RT: 23.02 min Scan# 5304

Delta R.T. -0.01 min

Lab File: BN004264.D

Acq: 28 Dec 2018 16:11

Instrument :

BNA_N

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SSTD3.257

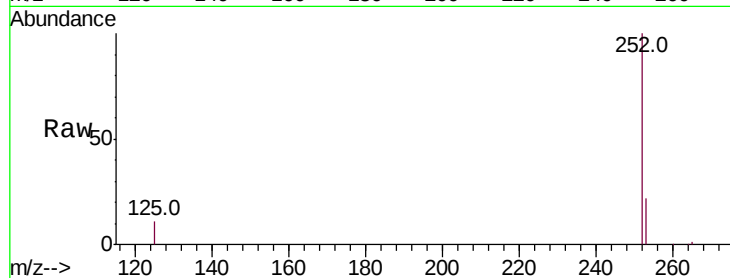
Tot Ion:252 Resp: 158315

Ion Ratio Lower Upper

252 100

253 22.1 0.0 47.6

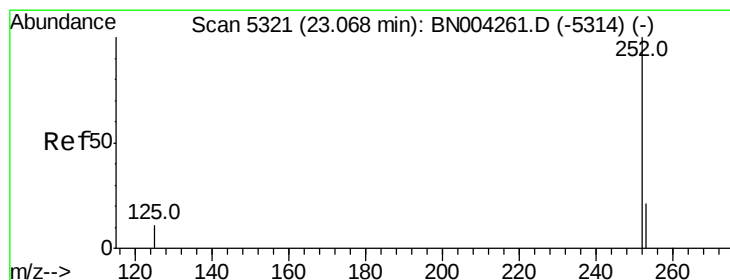
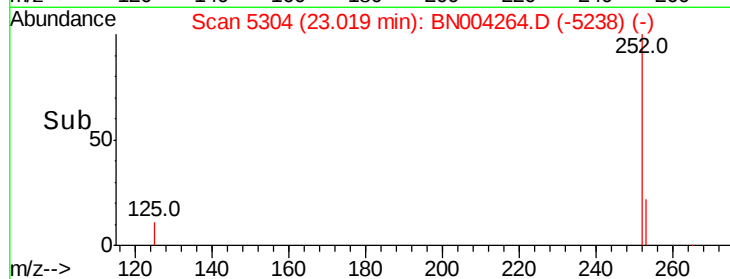
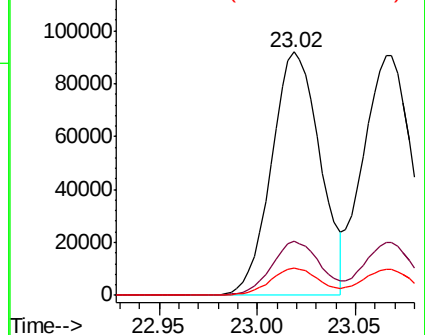
125 11.0 0.0 25.0



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: 2.351 ng/ul

RT: 23.07 min Scan# 5321

Delta R.T. 0.00 min

Lab File: BN004264.D

Acq: 28 Dec 2018 16:11

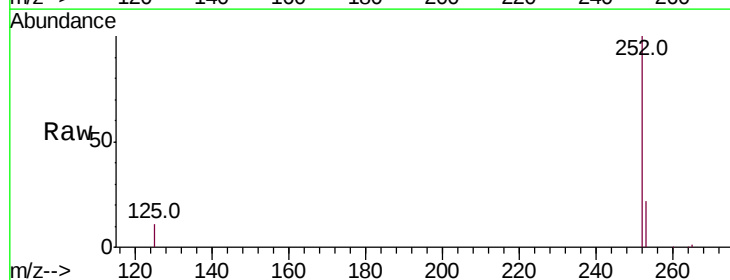
Tgt Ion:252 Resp: 161413

Ion Ratio Lower Upper

252 100

253 22.0 19.0 28.6

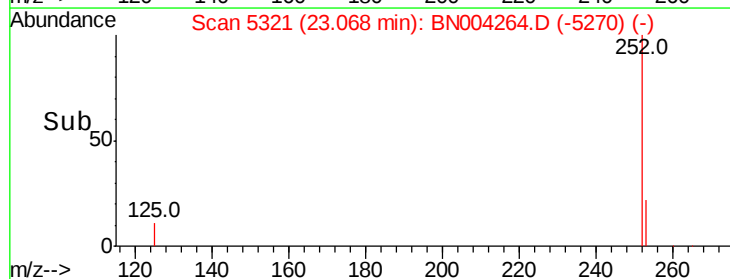
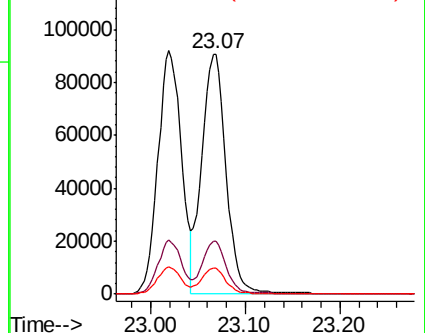
125 10.8 10.2 15.2

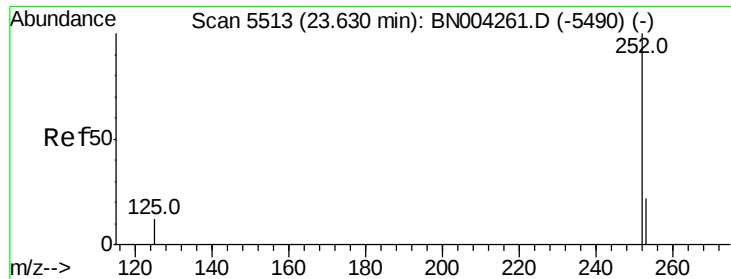


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 2.604 ng/ul

RT: 23.63 min Scan# 5512

Delta R.T. -0.00 min

Lab File: BN004264.D

Acq: 28 Dec 2018 16:11

Instrument :

BNA_N

ClientSampleId :

SSTD3.257

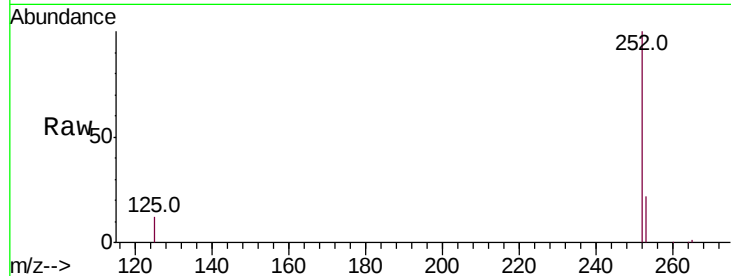
Tot Ion:252 Resp: 148437

Ion Ratio Lower Upper

252 100

253 21.9 20.0 30.0

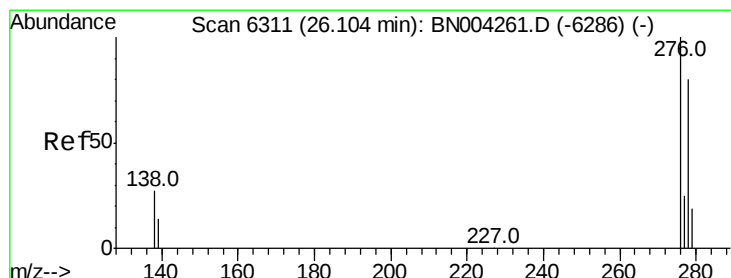
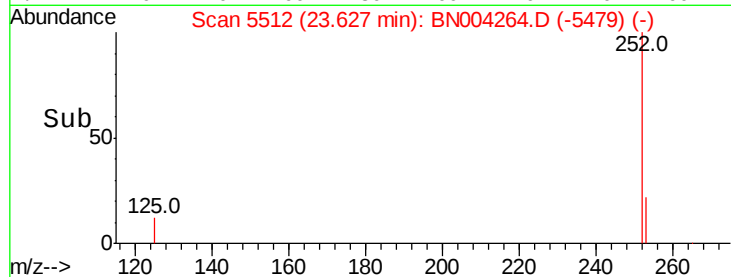
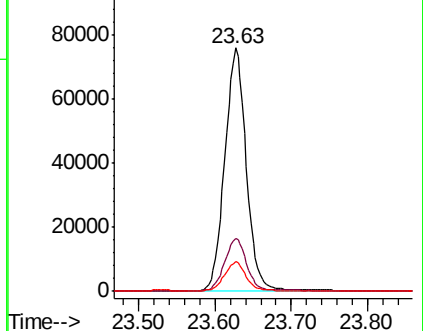
125 12.2 11.4 17.0



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: 2.589 ng/ul

RT: 26.09 min Scan# 6308

Delta R.T. -0.01 min

Lab File: BN004264.D

Acq: 28 Dec 2018 16:11

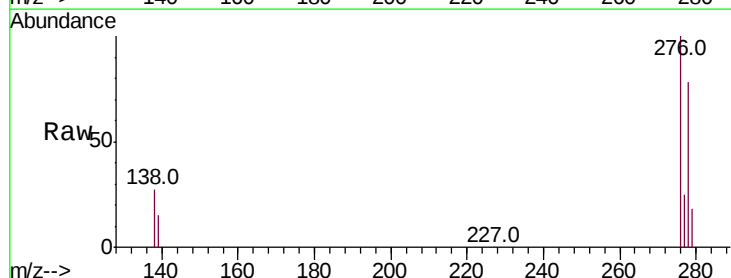
Tgt Ion:276 Resp: 166606

Ion Ratio Lower Upper

276 100

138 26.8 0.0 0.0#

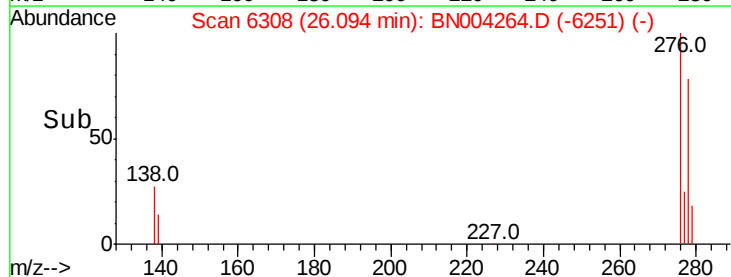
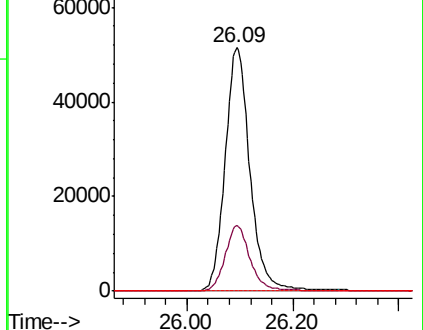
227 0.2 0.1 0.1#

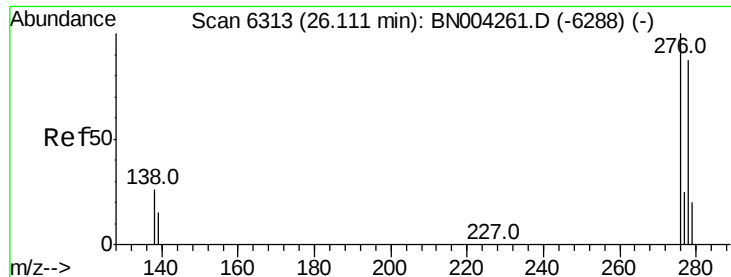


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E



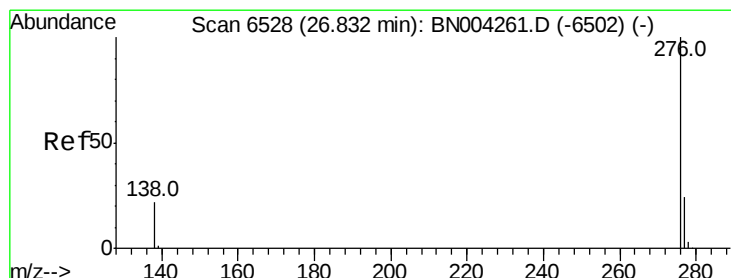
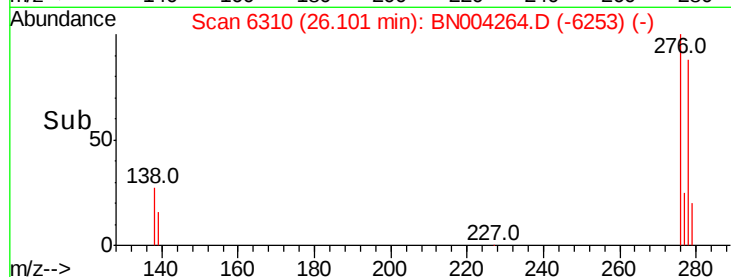
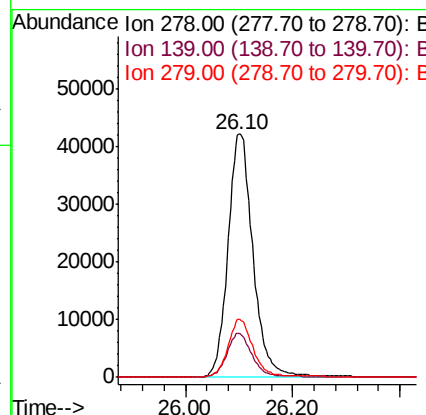
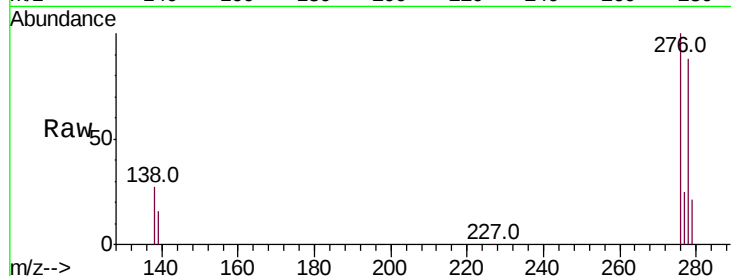


#25
Dibenzo(a,h)anthracene
Concen: 2.939 ng/ul
RT: 26.10 min Scan# 6310
Delta R.T. -0.01 min
Lab File: BN004264.D
Acq: 28 Dec 2018 16:11

Instrument :
BNA_N
ClientSampleId :
SSTD3.257

Tot Ion:278 Resp: 136444

Ion	Ratio	Lower	Upper
278	100		
139	18.1	15.4	23.2
279	23.7	21.0	31.6



#26
Benzo(g,h,i)perylene
Concen: 1.978 ng/ul
RT: 26.82 min Scan# 6525
Delta R.T. -0.01 min
Lab File: BN004264.D
Acq: 28 Dec 2018 16:11

Tgt Ion:276 Resp: 125412

Ion	Ratio	Lower	Upper
276	100		
138	22.9	19.4	29.0
277	23.8	20.4	30.6

