

Data File : BN003612.D
Acq On : 20 Nov 2018 01:41
Operator : MJ/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTD0.469

Quant Time: Nov 20 03:22:12 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 20 01:46:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	5285	0.40	ng/ul	0.00
2) Naphthalene-d8	10.64	136	20812	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.48	164	11378	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.22	188	27583	0.40	ng/ul	0.00
16) Chrysene-d12	21.40	240	33251	0.40	ng/ul	0.00
20) Perylene-d12	23.71	264	28937	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.23	152	12890	0.40	ng/ul	0.00
14) Fluoranthene-d10	19.24	212	32961	0.41	ng/ul	0.00

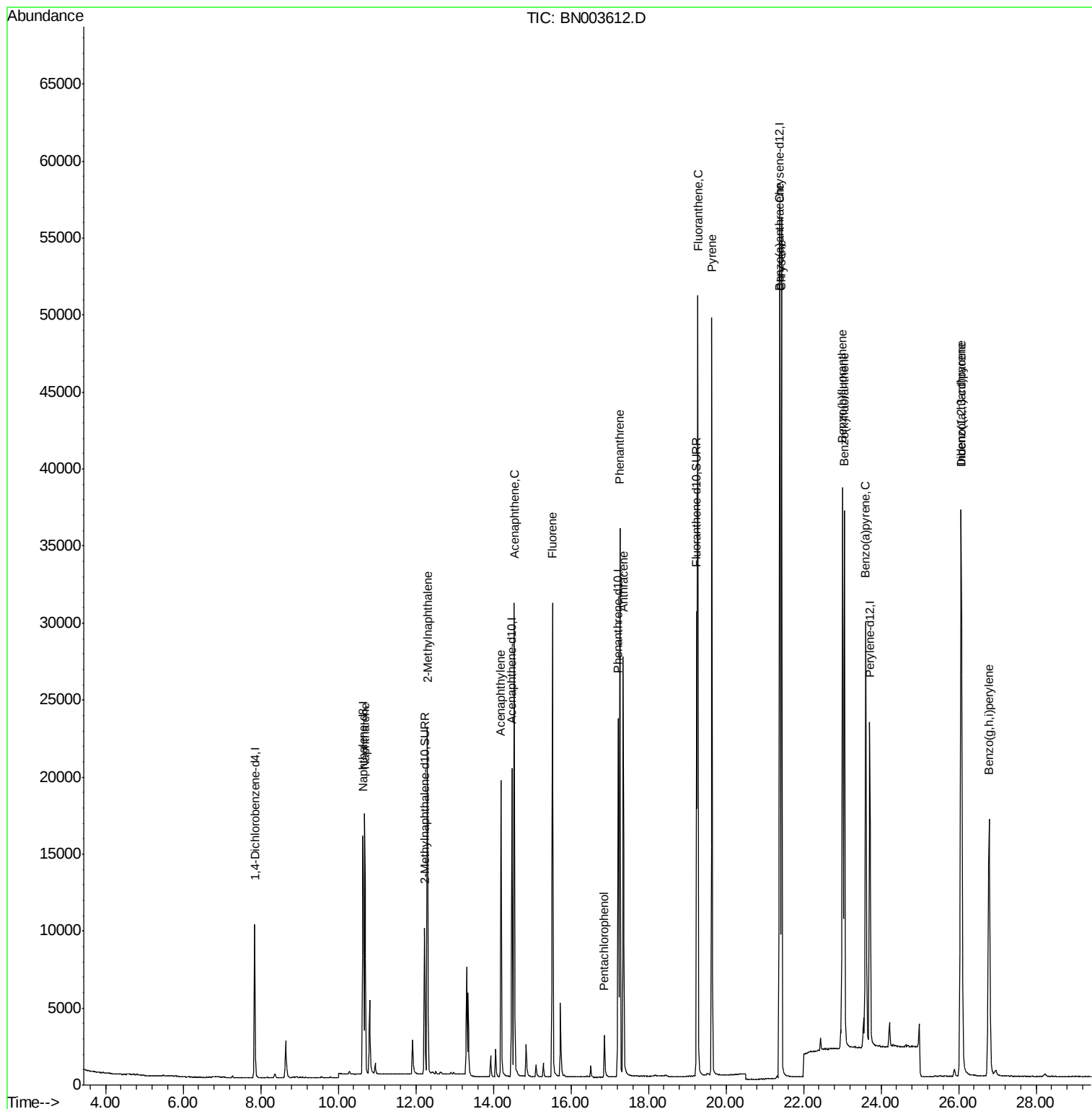
Target Compounds					Qvalue
3) Naphthalene	10.69	128	23565	0.403	ng/ul 100
5) 2-Methylnaphthalene	12.30	142	16557	0.406	ng/ul 100
7) Acenaphthylene	14.20	152	22392	0.437	ng/ul 100
8) Acenaphthene	14.54	153	17922	0.399	ng/ul 99
9) Fluorene	15.53	166	20921	0.400	ng/ul 99
11) Pentachlorophenol	16.87	266	2162	0.435	ng/ul 100
12) Phenanthrene	17.26	178	36403	0.402	ng/ul 99
13) Anthracene	17.35	178	30804	0.414	ng/ul 100
15) Fluoranthene	19.28	202	43152	0.404	ng/ul 100
17) Pyrene	19.64	202	42683	0.358	ng/ul 99
18) Benzo(a)anthracene	21.38	228	44004	0.419	ng/ul 99
19) Chrysene	21.43	228	46311	0.385	ng/ul 99
21) Benzo(b)fluoranthene	23.01	252	46773	0.391	ng/ul 100
22) Benzo(k)fluoranthene	23.05	252	45932	0.394	ng/ul 100
23) Benzo(a)pyrene	23.61	252	41821	0.403	ng/ul 99
24) Indeno(1,2,3-cd)pyrene	26.06	276	45750	0.385	ng/ul# 99
25) Dibenzo(a,h)anthracene	26.08	278	36825	0.385	ng/ul 99
26) Benzo(g,h,i)perylene	26.79	276	38196	0.370	ng/ul 99

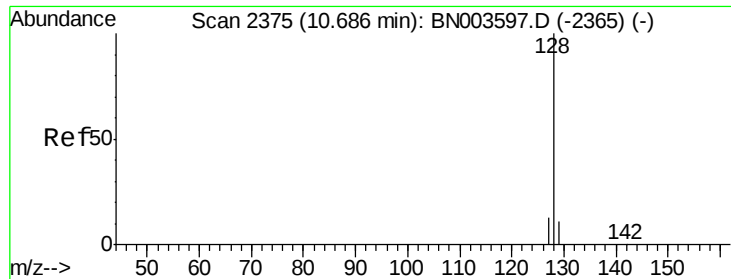
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.403 ng/ul

RT: 10.69 min Scan# 2375

Delta R.T. -0.00 min

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Instrument :

BNA_N

ClientSampleId :

SSTD0.469

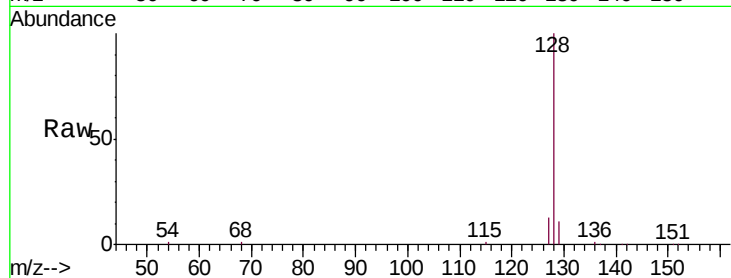
Tgt Ion:128 Resp: 23565

Ion Ratio Lower Upper

128 100

129 11.4 9.0 13.6

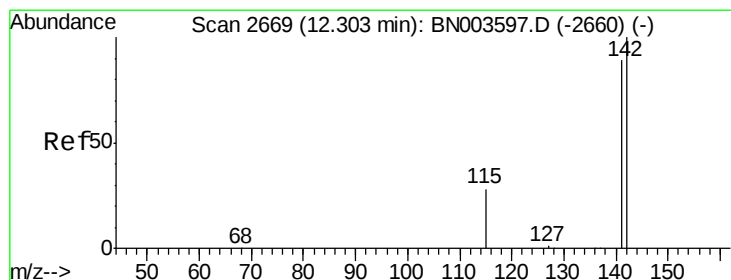
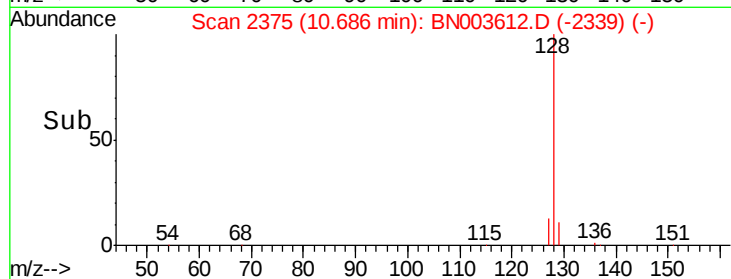
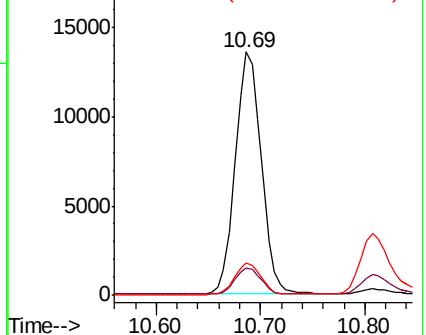
127 13.2 10.5 15.7



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: 0.406 ng/ul

RT: 12.30 min Scan# 2668

Delta R.T. -0.01 min

Lab File: BN003612.D

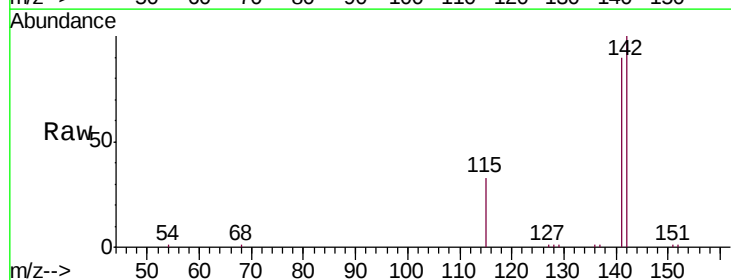
Acq: 20 Nov 2018 01:41

Tgt Ion:142 Resp: 16557

Ion Ratio Lower Upper

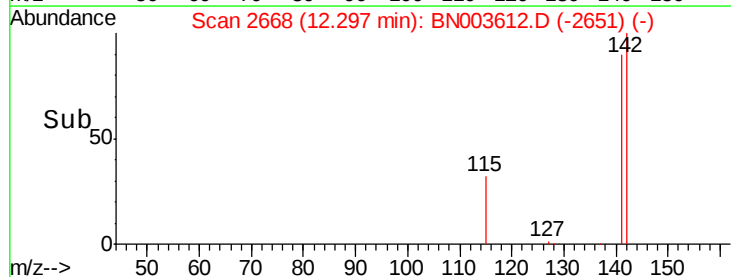
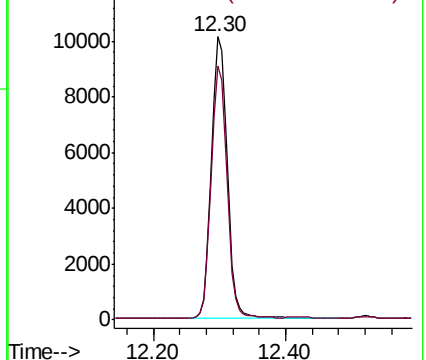
142 100

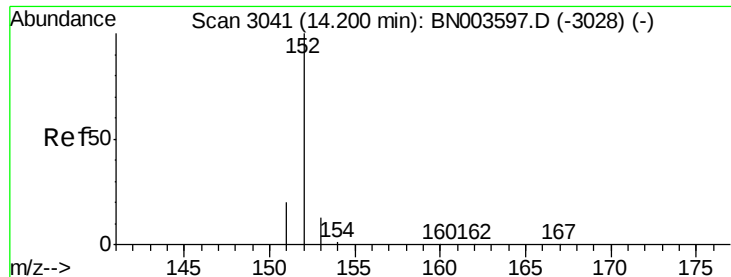
141 89.5 71.5 107.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.437 ng/ul

RT: 14.20 min Scan# 3041

Delta R.T. -0.00 min

Lab File: BN003612.D

Acq: 20 Nov 2018 01:41

Instrument :

BNA_N

ClientSampleId :

SSTD0.469

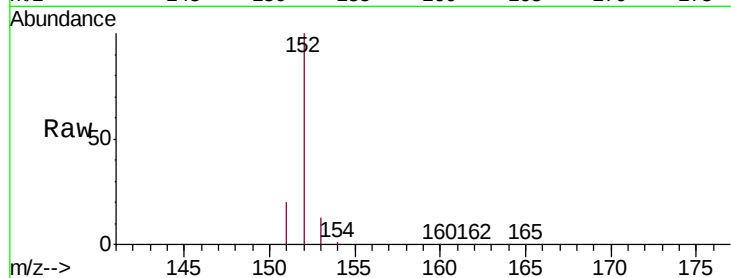
Tgt Ion:152 Resp: 22392

Ion Ratio Lower Upper

152 100

151 20.0 15.9 23.9

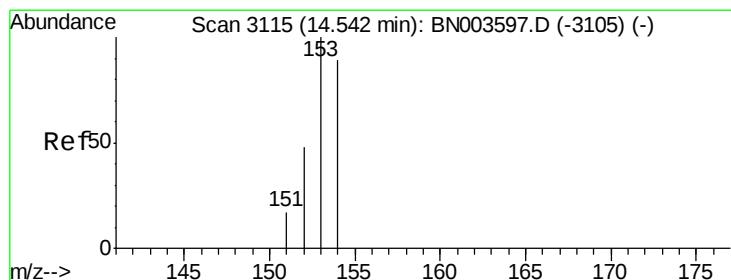
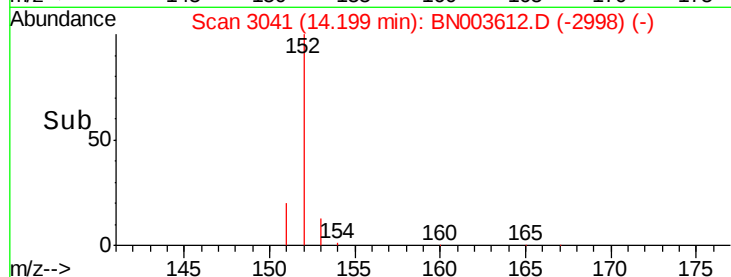
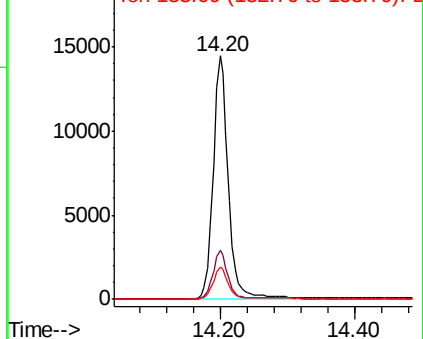
153 13.3 10.7 16.1



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: 0.399 ng/ul

RT: 14.54 min Scan# 3115

Delta R.T. -0.00 min

Lab File: BN003612.D

Acq: 20 Nov 2018 01:41

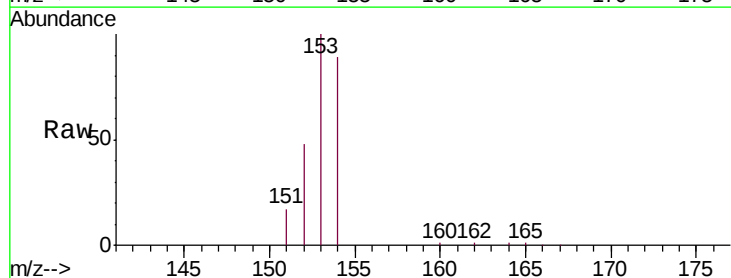
Tgt Ion:153 Resp: 17922

Ion Ratio Lower Upper

153 100

152 48.0 39.3 58.9

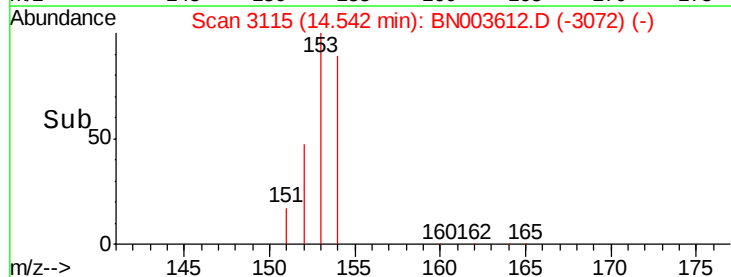
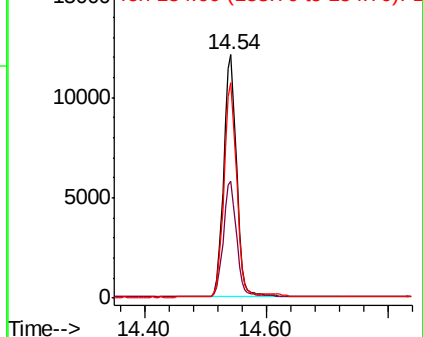
154 88.6 70.3 105.5

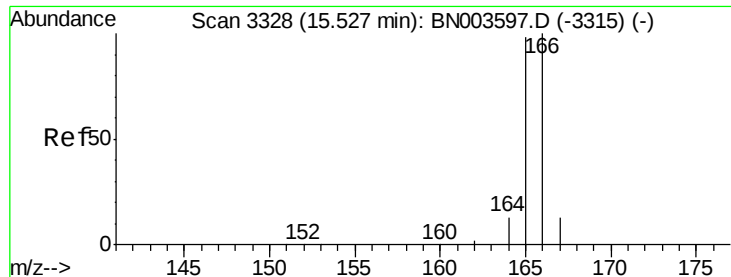


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.400 ng/ul

RT: 15.53 min Scan# 3328

Delta R.T. -0.00 min

Lab File: BN003612.D

Acq: 20 Nov 2018 01:41

Instrument :

BNA_N

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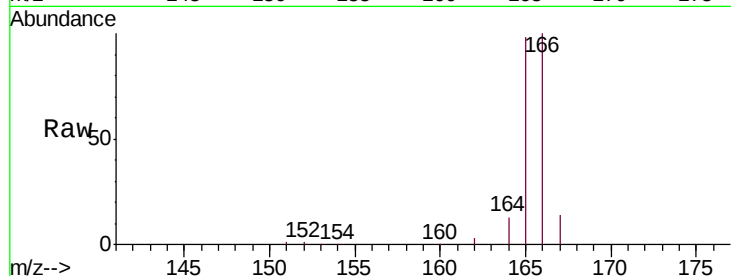
Tgt Ion:166 Resp: 20921

Ion Ratio Lower Upper

166 100

165 98.3 78.3 117.5

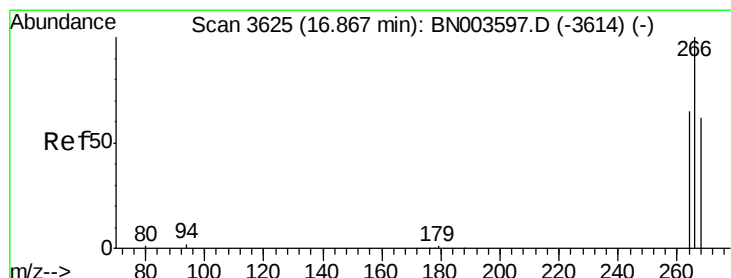
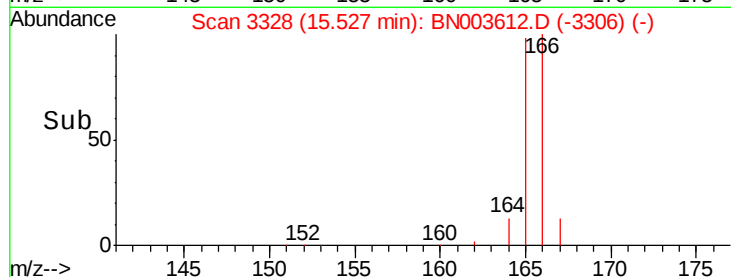
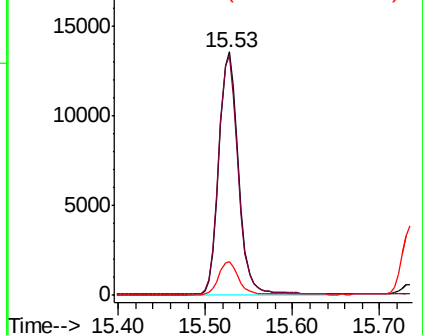
167 13.7 11.3 16.9



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: 0.435 ng/ul

RT: 16.87 min Scan# 3625

Delta R.T. -0.00 min

Lab File: BN003612.D

Acq: 20 Nov 2018 01:41

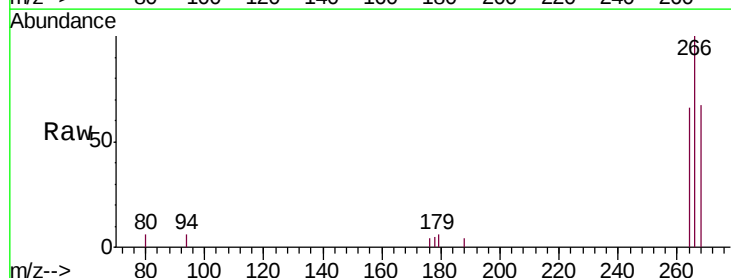
Tgt Ion:266 Resp: 2162

Ion Ratio Lower Upper

266 100

264 61.9 49.4 74.2

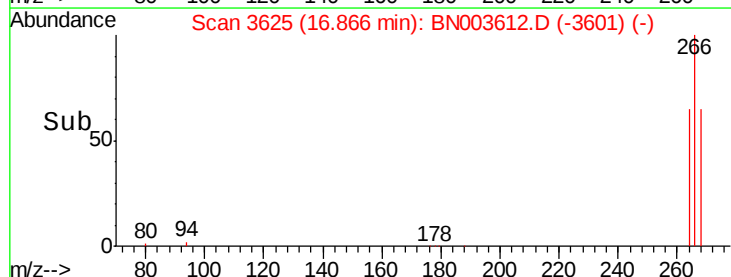
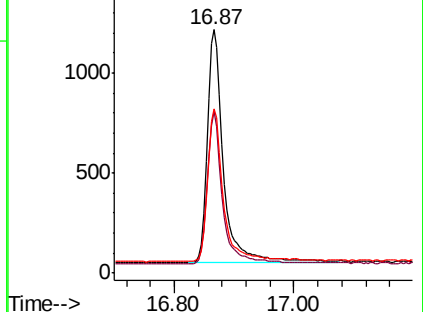
268 64.4 51.7 77.5

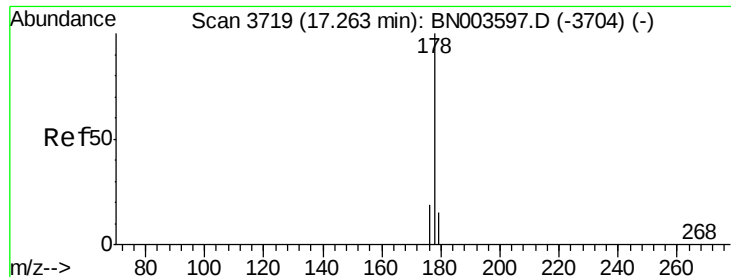


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

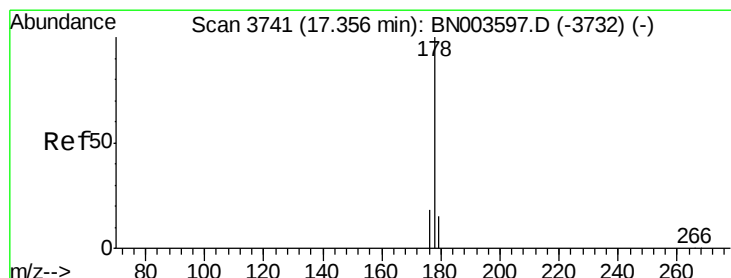
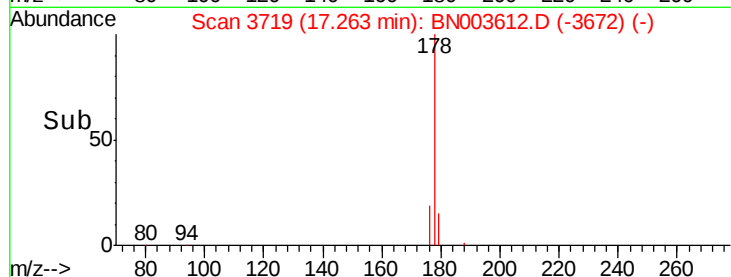
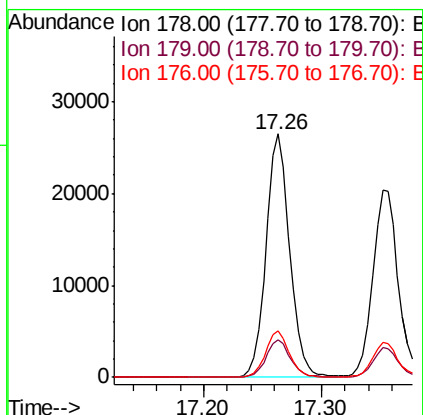
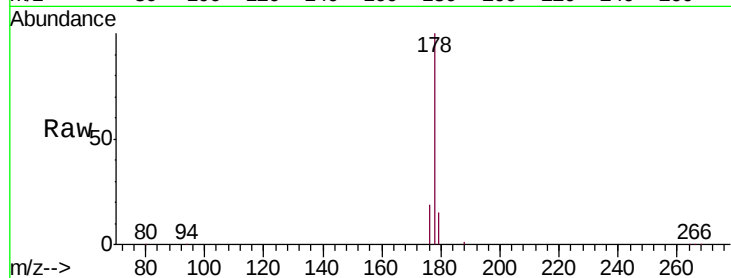




#12
Phenanthrene
Concen: 0.402 ng/ul
RT: 17.26 min Scan# 3719
Delta R.T. -0.00 min
Lab File: BN003612.D
Acq: 20 Nov 2018 01:41

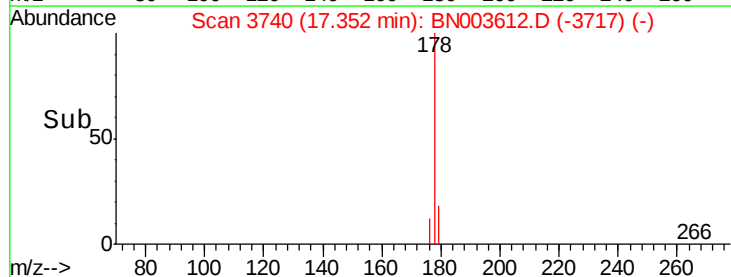
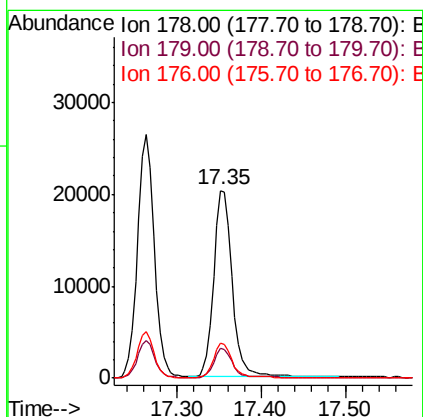
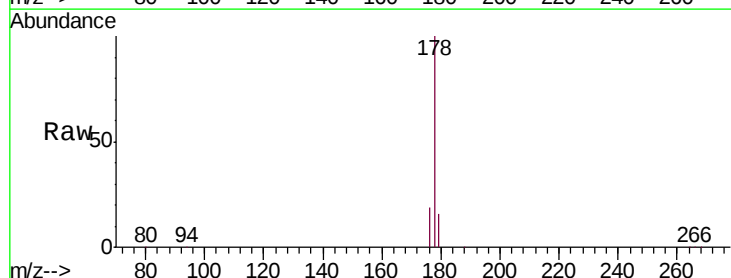
Instrument :
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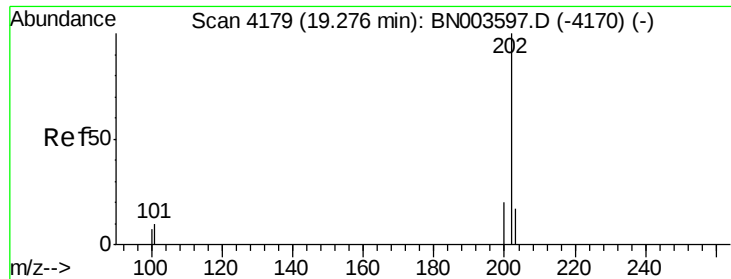
Tgt Ion:178 Resp: 36403
Ion Ratio Lower Upper
178 100
179 15.3 12.5 18.7
176 19.0 15.0 22.4



#13
Anthracene
Concen: 0.414 ng/ul
RT: 17.35 min Scan# 3740
Delta R.T. -0.00 min
Lab File: BN003612.D
Acq: 20 Nov 2018 01:41

Tgt Ion:178 Resp: 30804
Ion Ratio Lower Upper
178 100
179 15.6 12.3 18.5
176 18.7 14.8 22.2

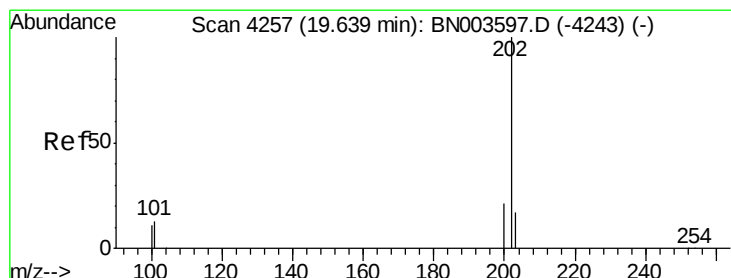
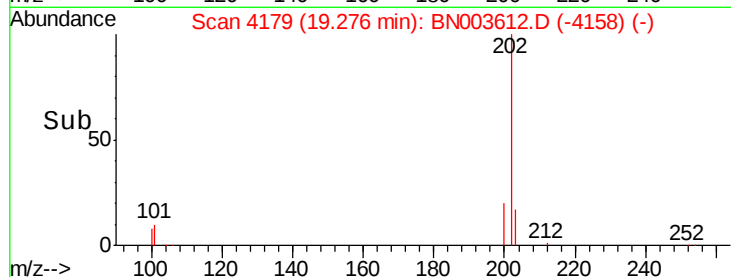
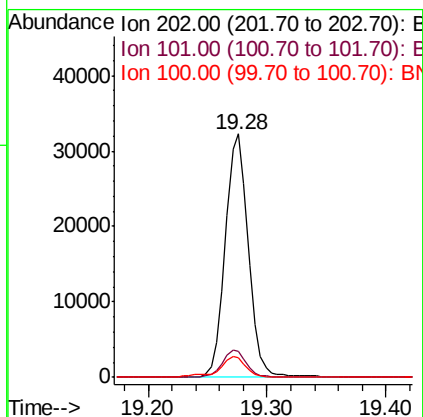
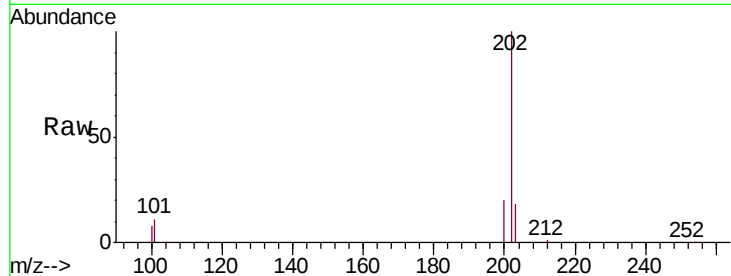




#15
Fluoranthene
 Concen: 0.404 ng/ul
 RT: 19.28 min Scan# 4179
 Delta R.T. -0.00 min
 Lab File: BN003612.D
 Acq: 20 Nov 2018 01:41

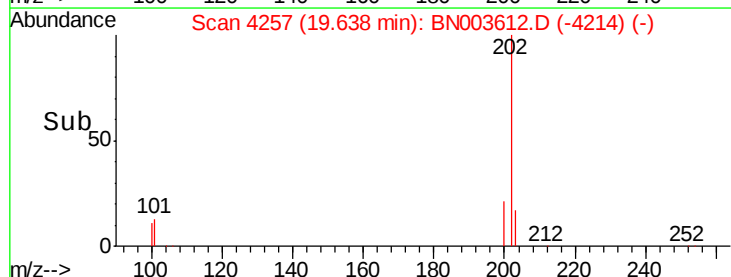
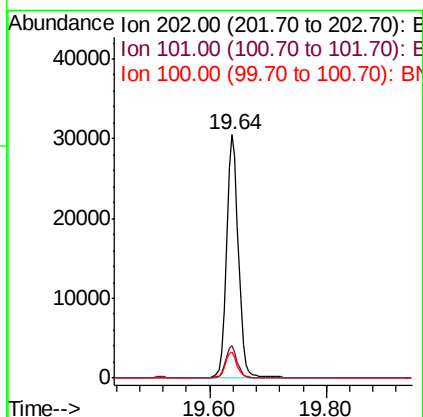
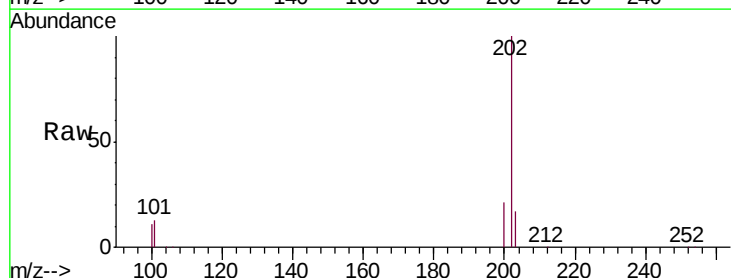
Instrument :
 BNA_N
 ClientSampleId :
 SST0.469

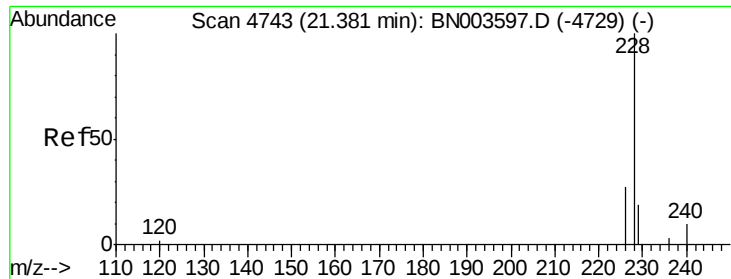
Tgt Ion:202 Resp: 43152
 Ion Ratio Lower Upper
 202 100
 101 10.5 0.0 30.7
 100 8.0 0.0 28.1



#17
Pyrene
 Concen: 0.358 ng/ul
 RT: 19.64 min Scan# 4257
 Delta R.T. -0.00 min
 Lab File: BN003612.D
 Acq: 20 Nov 2018 01:41

Tgt Ion:202 Resp: 42683
 Ion Ratio Lower Upper
 202 100
 101 13.3 10.3 15.5
 100 10.9 8.5 12.7





#18

Benzo(a)anthracene

Concen: 0.419 ng/ul

RT: 21.38 min Scan# 4743

Delta R.T. -0.00 min

Lab File: BN003612.D

Acq: 20 Nov 2018 01:41

Instrument :

BNA_N

ClientSampleId :

SSTD0.469

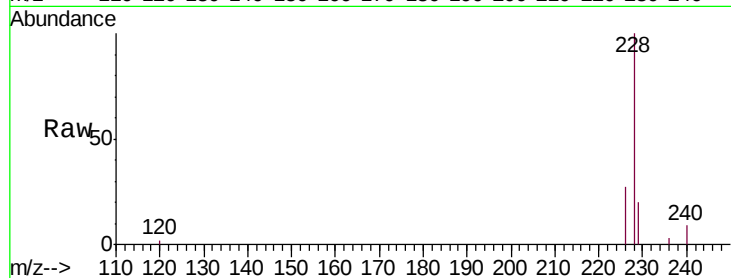
Tgt Ion:228 Resp: 44004

Ion Ratio Lower Upper

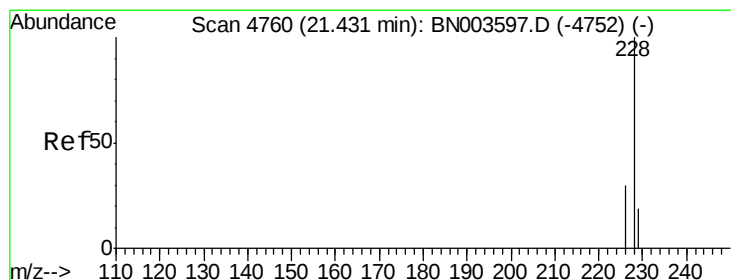
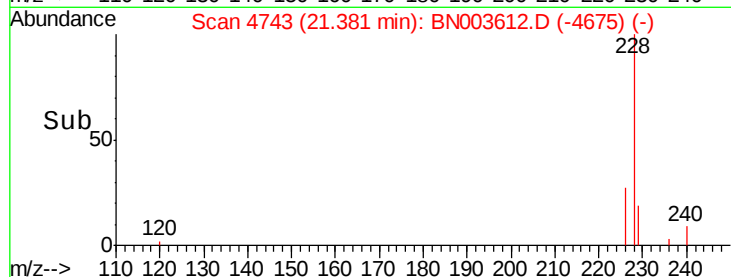
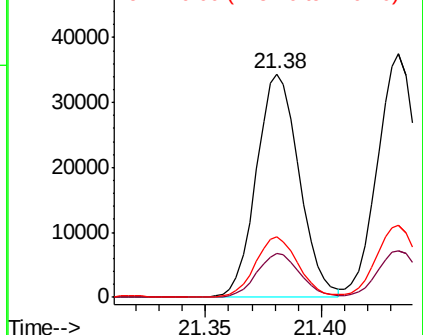
228 100

229 19.6 15.6 23.4

226 27.2 21.1 31.7



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: 0.385 ng/ul

RT: 21.43 min Scan# 4761

Delta R.T. 0.00 min

Lab File: BN003612.D

Acq: 20 Nov 2018 01:41

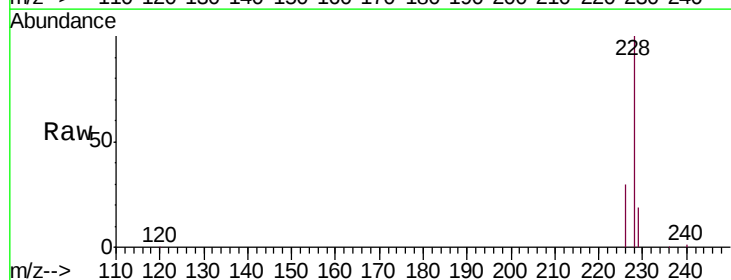
Tgt Ion:228 Resp: 46311

Ion Ratio Lower Upper

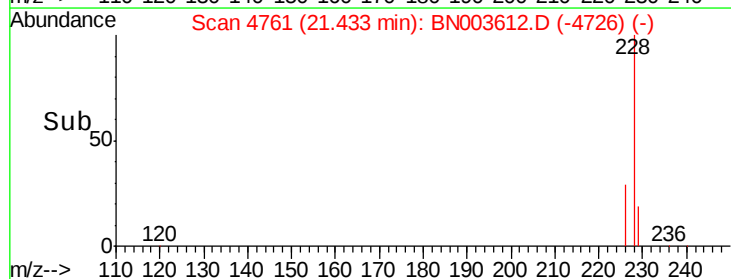
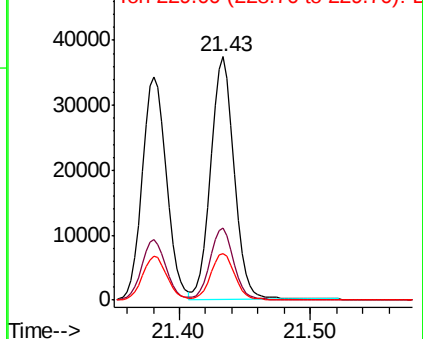
228 100

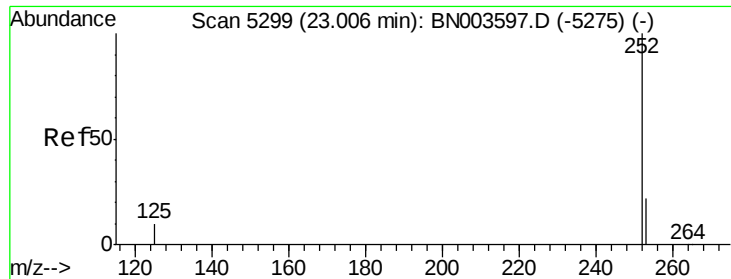
226 29.7 24.0 36.0

229 19.3 15.7 23.5



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: 0.391 ng/ul

RT: 23.01 min Scan# 5299

Delta R.T. -0.00 min

Lab File: BN003612.D

Acq: 20 Nov 2018 01:41

Instrument :

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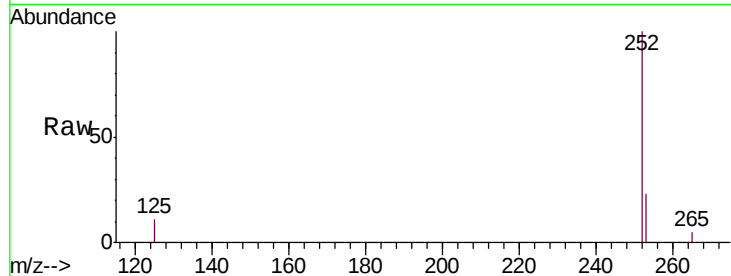
Tgt Ion:252 Resp: 46773

Ion Ratio Lower Upper

252 100

253 23.1 0.0 46.0

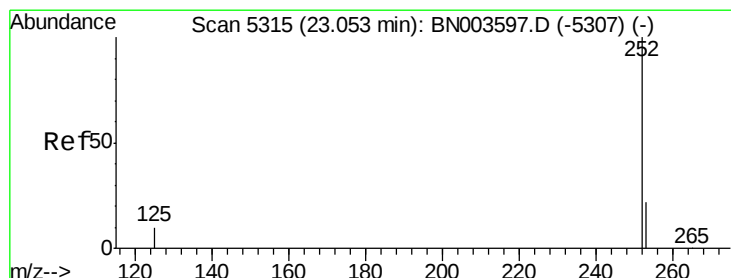
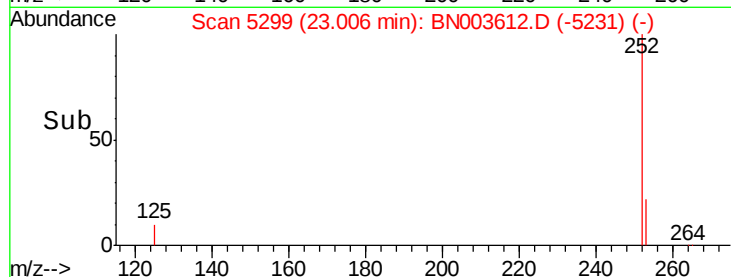
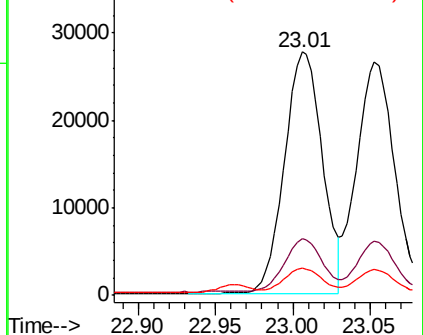
125 11.0 0.0 22.4



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: 0.394 ng/ul

RT: 23.05 min Scan# 5315

Delta R.T. -0.00 min

Lab File: BN003612.D

Acq: 20 Nov 2018 01:41

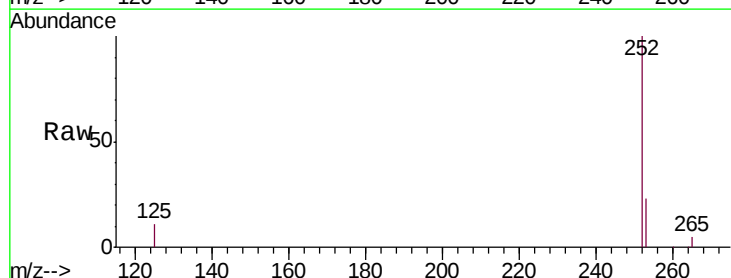
Tgt Ion:252 Resp: 45932

Ion Ratio Lower Upper

252 100

253 23.2 18.5 27.7

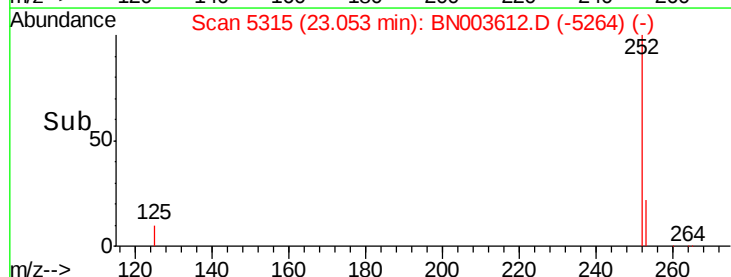
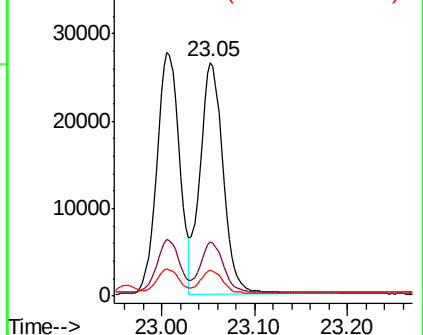
125 11.0 9.0 13.6

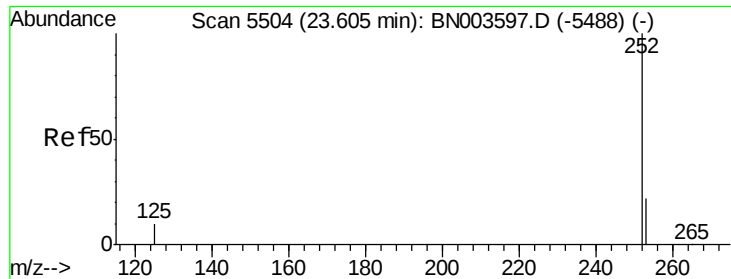


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.403 ng/u1

RT: 23.61 min Scan# 5504

Delta R.T. -0.00 min

Lab File: BN003612.D

Acq: 20 Nov 2018 01:41

Instrument :

BNA_N

ClientSampleId :

SSTD0.469

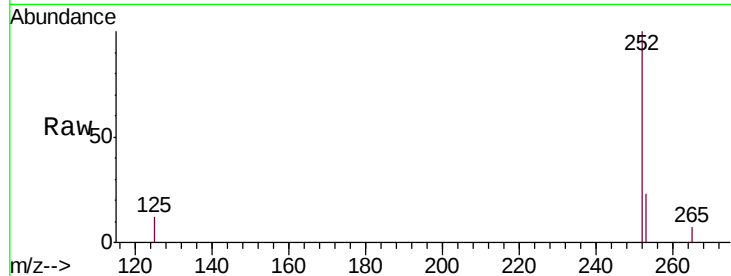
Tgt Ion:252 Resp: 41821

Ion Ratio Lower Upper

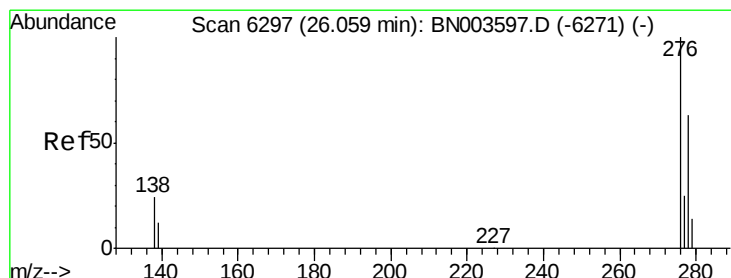
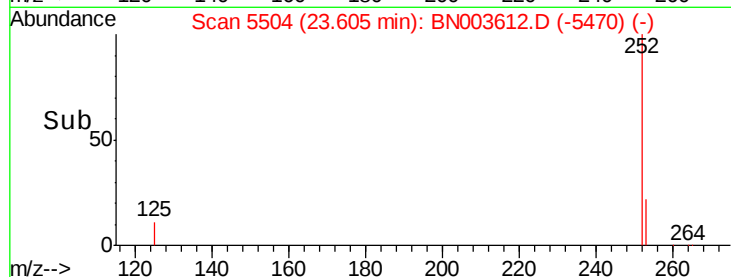
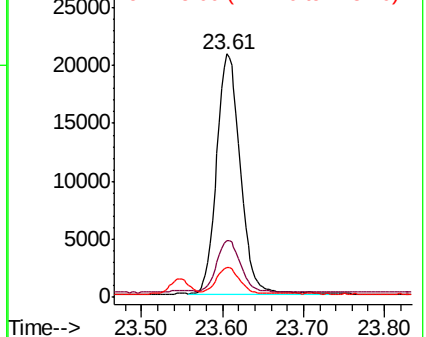
252 100

253 23.4 19.0 28.4

125 12.4 10.2 15.4



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.385 ng/u1

RT: 26.06 min Scan# 6298

Delta R.T. 0.00 min

Lab File: BN003612.D

Acq: 20 Nov 2018 01:41

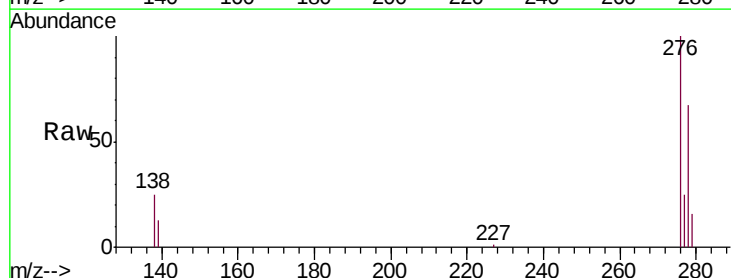
Tgt Ion:276 Resp: 45750

Ion Ratio Lower Upper

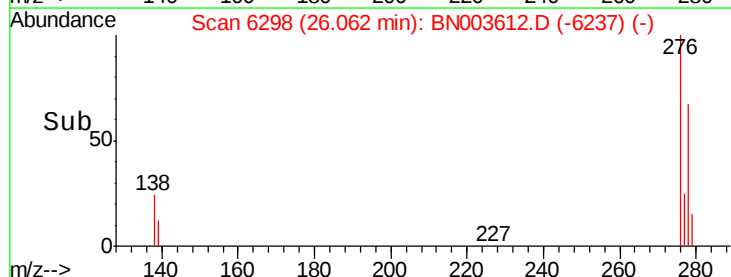
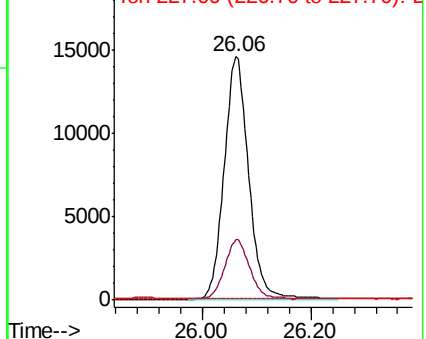
276 100

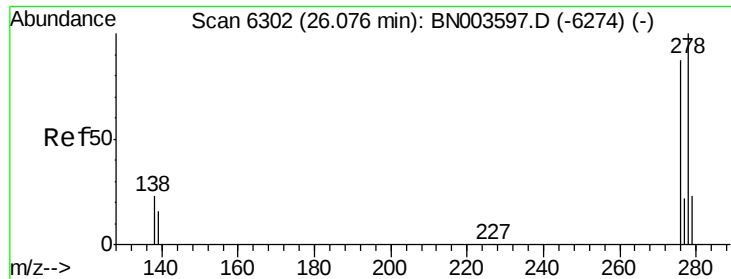
138 25.0 20.3 30.5

227 0.2 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: 0.385 ng/ul

RT: 26.08 min Scan# 6302

Delta R.T. -0.00 min

Lab File: BN003612.D

Acq: 20 Nov 2018 01:41

Instrument :

BNA_N

ClientSampleId :

SSTD0.469

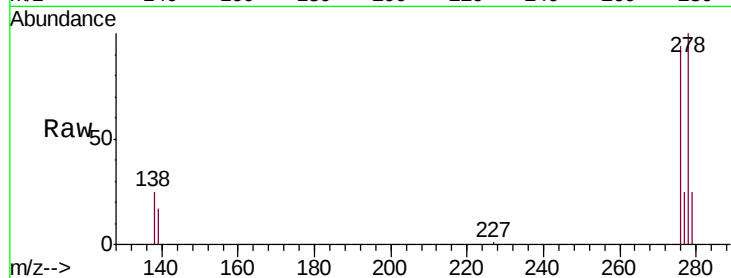
Tgt Ion:278 Resp: 36825

Ion Ratio Lower Upper

278 100

139 17.3 14.2 21.4

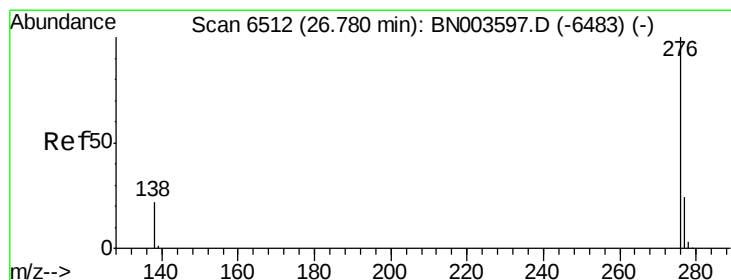
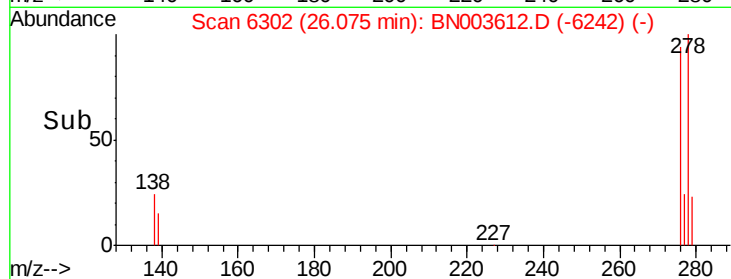
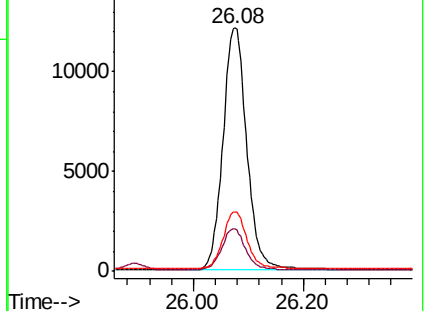
279 24.6 19.8 29.6



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: 0.370 ng/ul

RT: 26.79 min Scan# 6514

Delta R.T. 0.01 min

Lab File: BN003612.D

Acq: 20 Nov 2018 01:41

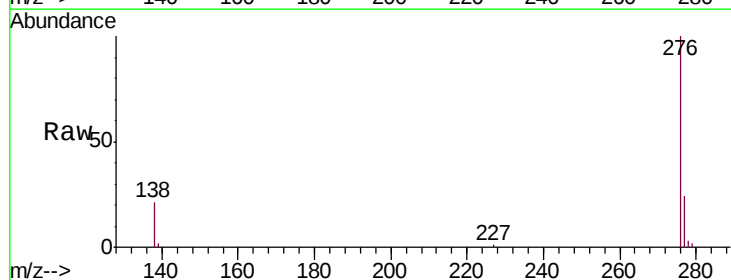
Tgt Ion:276 Resp: 38196

Ion Ratio Lower Upper

276 100

138 21.4 17.7 26.5

277 23.8 19.3 28.9



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

