

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
 Data File : BN006227.D
 Acq On : 10 Jun 2019 17:42
 Operator : JU/SJ
 Sample : SSTDC00.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SSTD0.407

Quant Time: Jun 11 00:18:59 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN053019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Jun 09 05:10:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	3856	0.40	ng/ul	0.00
2) Naphthalene-d8	10.42	136	15116	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.30	164	7472	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.05	188	14786	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	11280	0.40	ng/ul	0.00
20) Perylene-d12	23.50	264	12655	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.02	152	8855	0.38	ng/ul	0.00
14) Fluoranthene-d10	19.09	212	16480	0.41	ng/ul	0.00

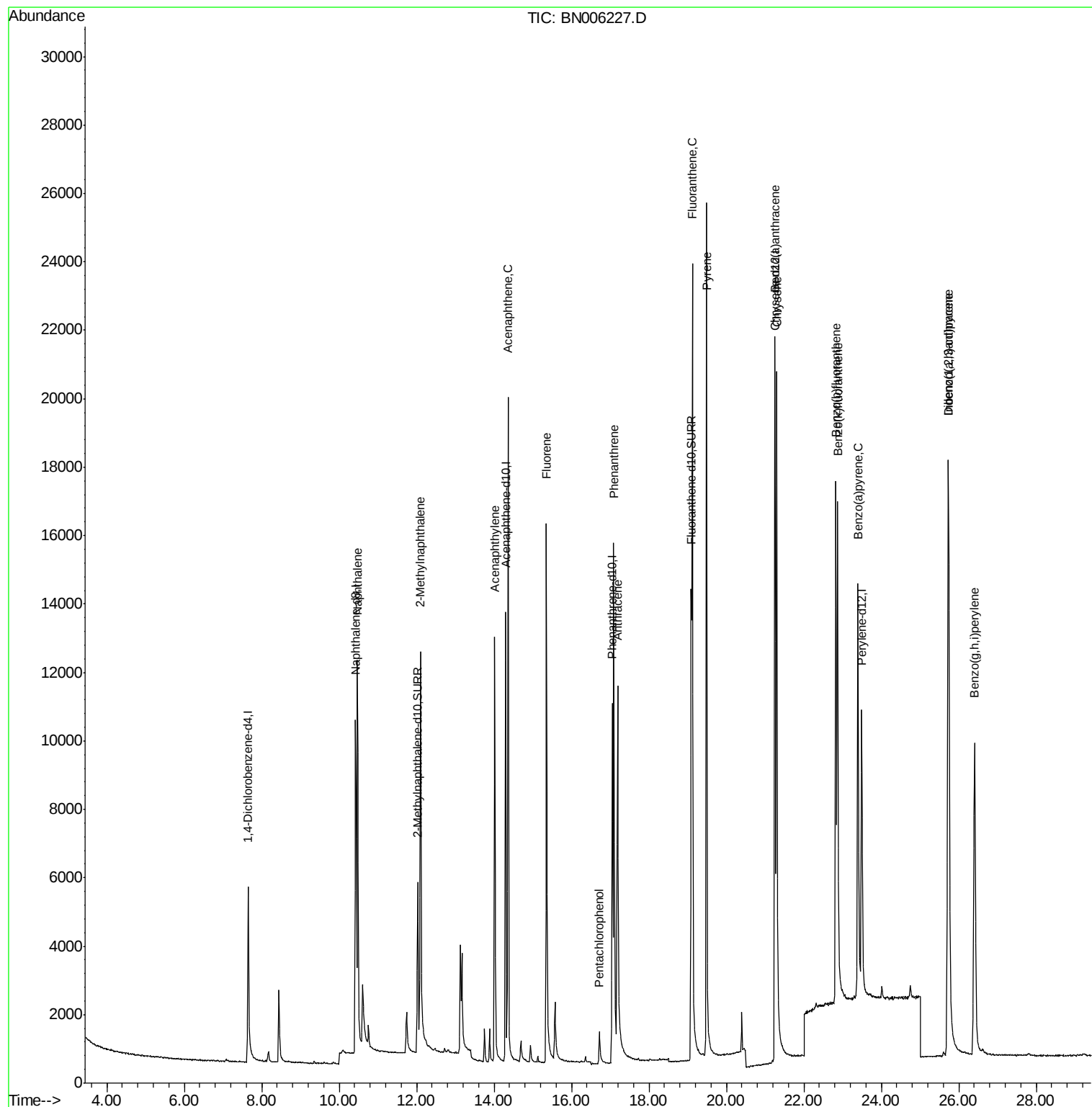
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.47	128	17863	0.428	ng/ul	100
5) 2-Methylnaphthalene	12.10	142	11123	0.383	ng/ul	98
7) Acenaphthylene	14.01	152	16113	0.388	ng/ul	99
8) Acenaphthene	14.36	153	11976	0.416	ng/ul	99
9) Fluorene	15.35	166	12497	0.371	ng/ul	96
11) Pentachlorophenol	16.72	266	1142	0.304	ng/ul	99
12) Phenanthrene	17.09	178	18763	0.395	ng/ul	100
13) Anthracene	17.19	178	16014	0.353	ng/ul	99
15) Fluoranthene	19.12	202	21534	0.411	ng/ul	94
17) Pyrene	19.49	202	22772	0.383	ng/ul	99
18) Benzo(a)anthracene	21.25	228	18134	0.363	ng/ul	99
19) Chrysene	21.30	228	22317	0.476	ng/ul	99
21) Benzo(b)fluoranthene	22.83	252	19813	0.375	ng/ul	94
22) Benzo(k)fluoranthene	22.87	252	21818	0.424	ng/ul	96
23) Benzo(a)pyrene	23.40	252	20129	0.410	ng/ul#	92
24) Indeno(1,2,3-cd)pyrene	25.72	276	23429	0.440	ng/ul#	98
25) Dibenzo(a,h)anthracene	25.74	278	18436	0.434	ng/ul	94
26) Benzo(g,h,i)perylene	26.41	276	20242	0.454	ng/ul	95

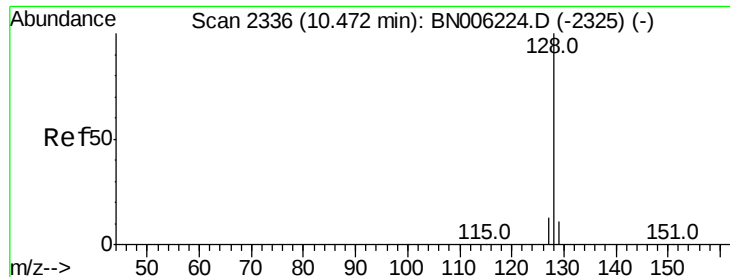
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061019\
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#3

Naphthalene

Concen: 0.428 ng/ul

RT: 10.47 min Scan# 2336

Delta R.T. -0.00 min

Lab File: BN006227.D

Acq: 10 Jun 2019 17:42

Instrument :

BNA_N

ClientSampleId :

SSTD0.407

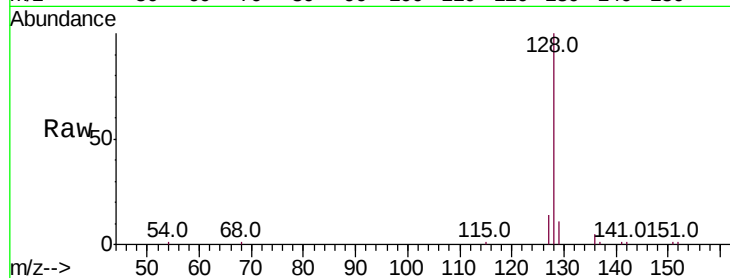
Tot Ion:128 Resp: 17863

Ion Ratio Lower Upper

128 100

129 11.5 9.3 13.9

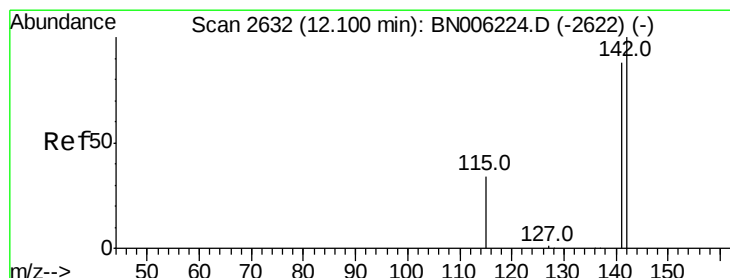
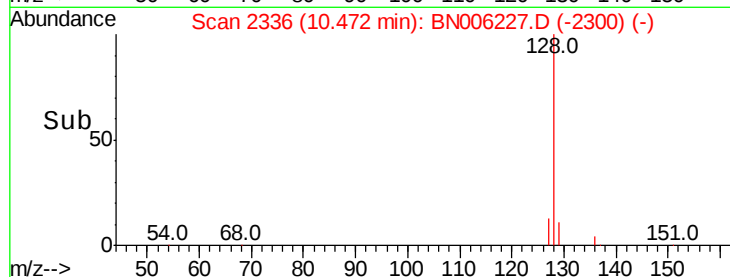
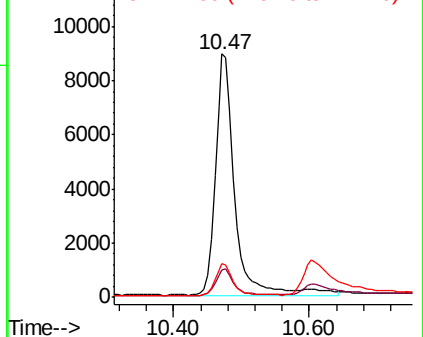
127 13.6 10.7 16.1



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: 0.383 ng/ul

RT: 12.10 min Scan# 2632

Delta R.T. -0.00 min

Lab File: BN006227.D

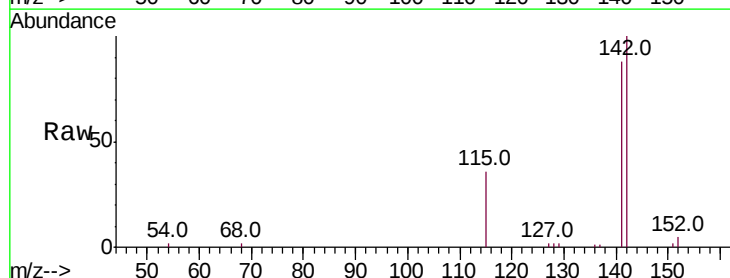
Acq: 10 Jun 2019 17:42

Tgt Ion:142 Resp: 11123

Ion Ratio Lower Upper

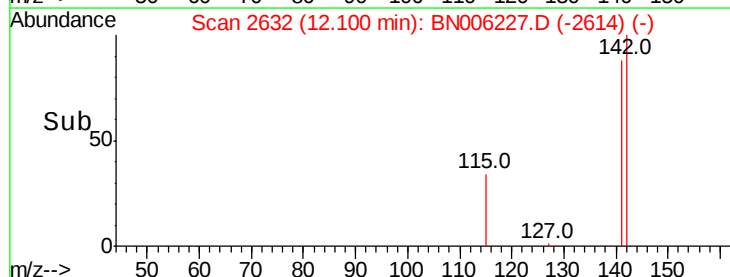
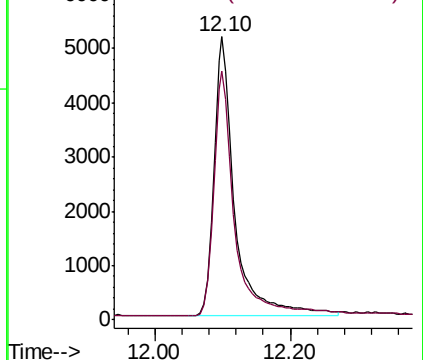
142 100

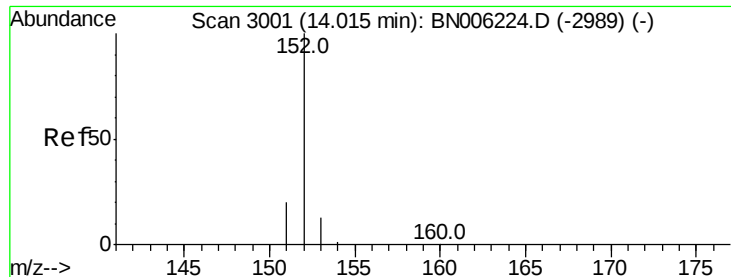
141 89.3 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.388 ng/ul

RT: 14.01 min Scan# 3001

Delta R.T. -0.00 min

Lab File: BN006227.D

Acq: 10 Jun 2019 17:42

Instrument :

BNA_N

ClientSampleId :

SSTD0.407

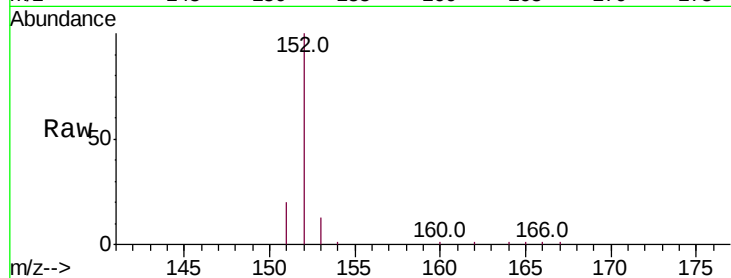
Tot Ion:152 Resp: 16113

Ion Ratio Lower Upper

152 100

151 20.2 15.8 23.8

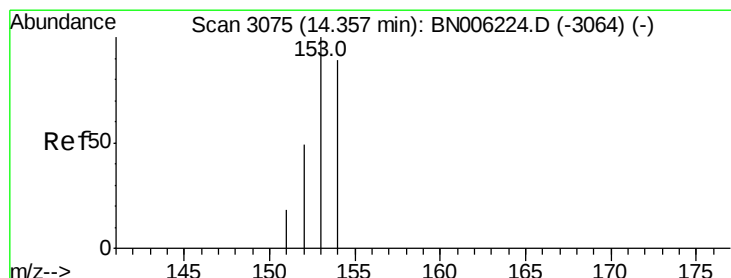
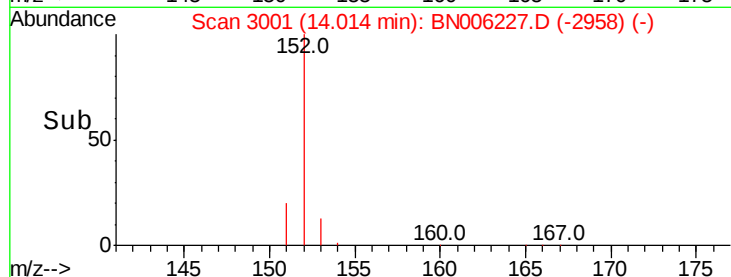
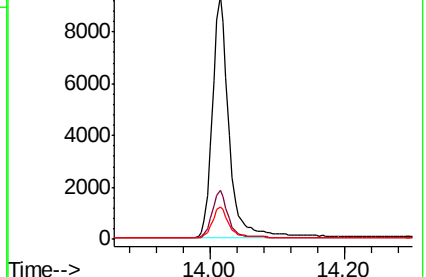
153 13.4 10.8 16.2



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: 0.416 ng/ul

RT: 14.36 min Scan# 3076

Delta R.T. -0.00 min

Lab File: BN006227.D

Acq: 10 Jun 2019 17:42

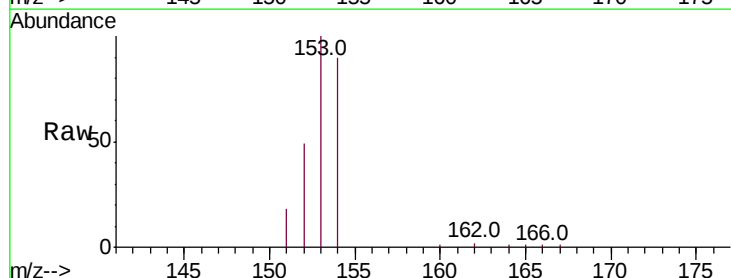
Tgt Ion:153 Resp: 11976

Ion Ratio Lower Upper

153 100

152 48.7 39.1 58.7

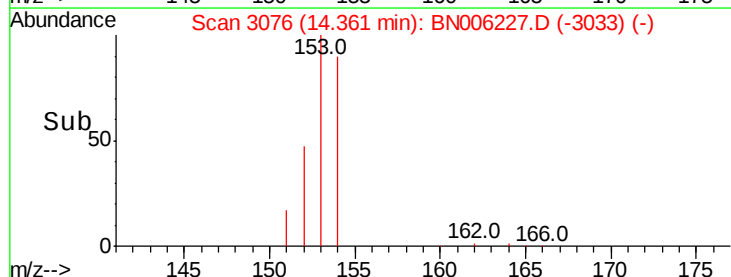
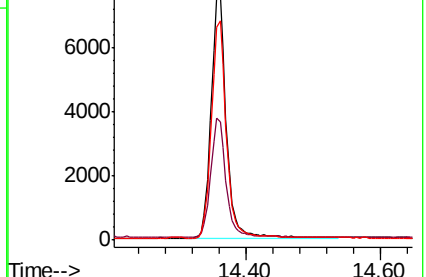
154 90.1 71.1 106.7

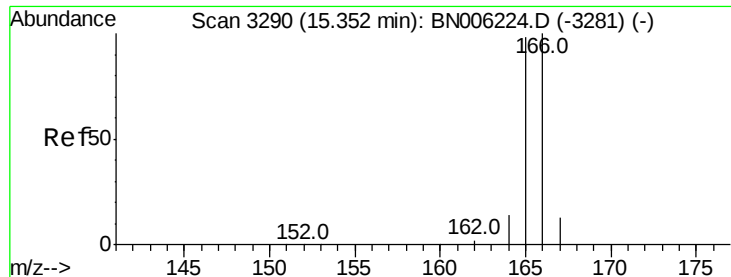


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

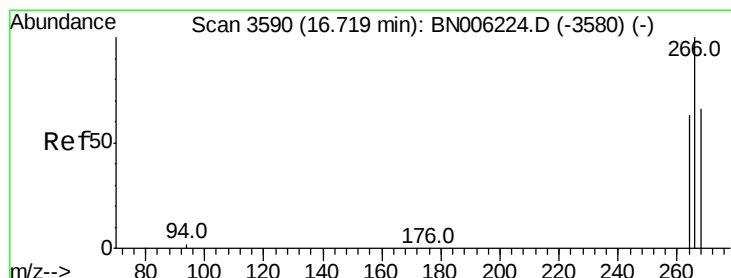
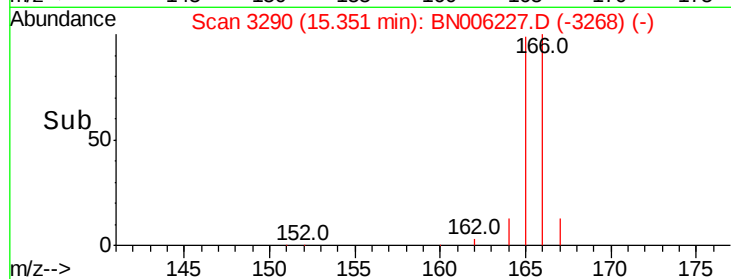
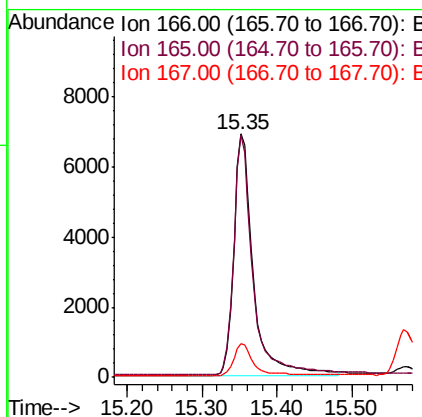
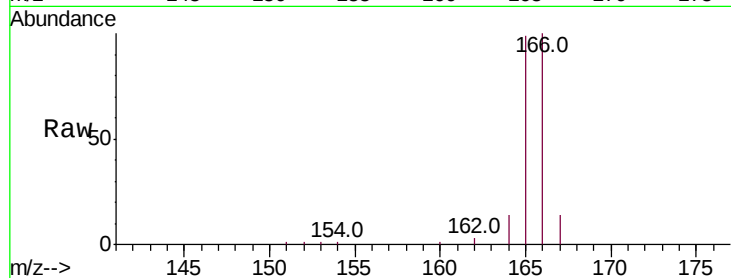




#9
Fluorene
 Concen: 0.371 ng/ul
 RT: 15.35 min Scan# 3290
 Delta R.T. -0.00 min
 Lab File: BN006227.D
 Acq: 10 Jun 2019 17:42

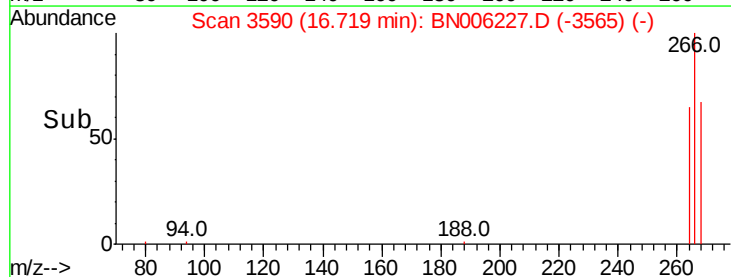
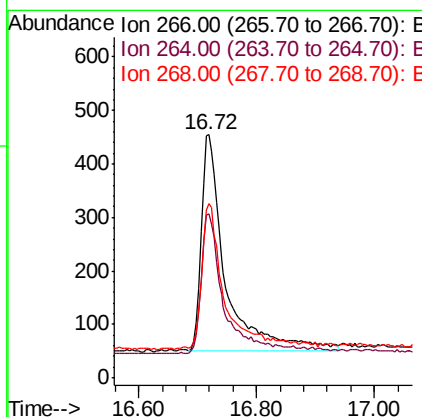
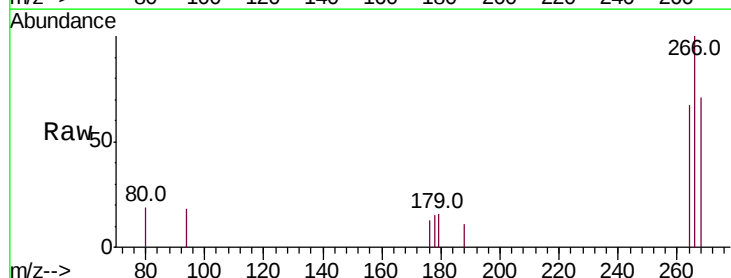
Instrument :
 BNA_N
 ClientSampleId :
 SST00.407

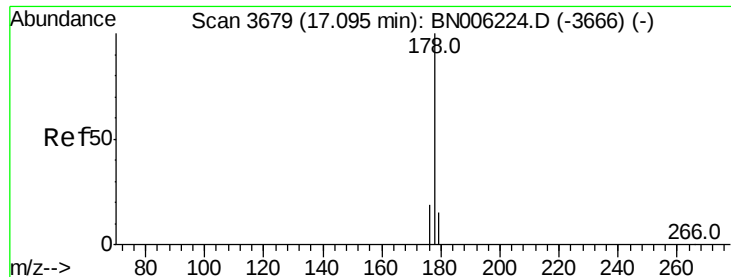
Tot Ion:166 Resp: 12497
 Ion Ratio Lower Upper
 166 100
 165 99.4 76.4 114.6
 167 13.8 11.0 16.6



#11
Pentachlorophenol
 Concen: 0.304 ng/ul
 RT: 16.72 min Scan# 3590
 Delta R.T. 0.00 min
 Lab File: BN006227.D
 Acq: 10 Jun 2019 17:42

Tgt Ion:266 Resp: 1142
 Ion Ratio Lower Upper
 266 100
 264 63.9 50.3 75.5
 268 63.0 51.3 76.9





#12

Phenanthrene

Concen: 0.395 ng/ul

RT: 17.09 min Scan# 3678

Delta R.T. -0.00 min

Lab File: BN006227.D

Acq: 10 Jun 2019 17:42

Instrument :

BNA_N

ClientSampleId :

SSTD0.407

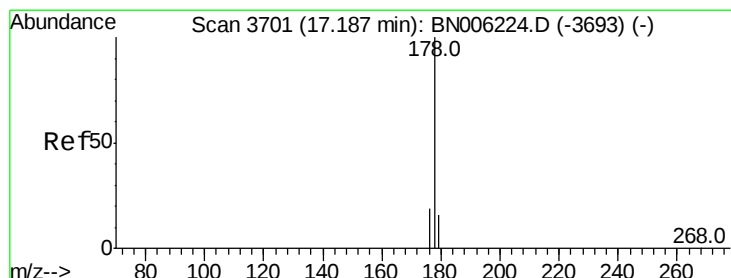
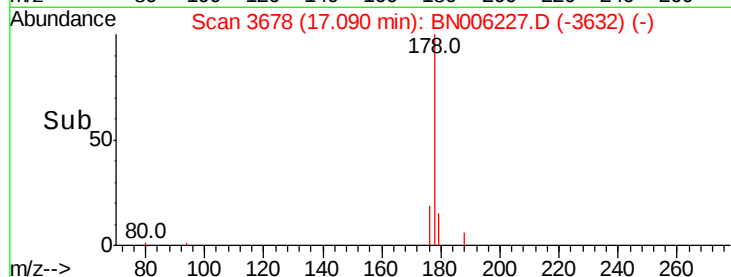
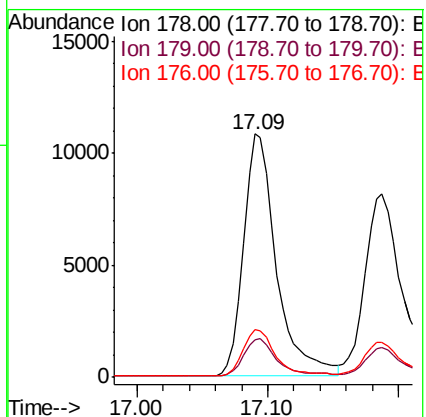
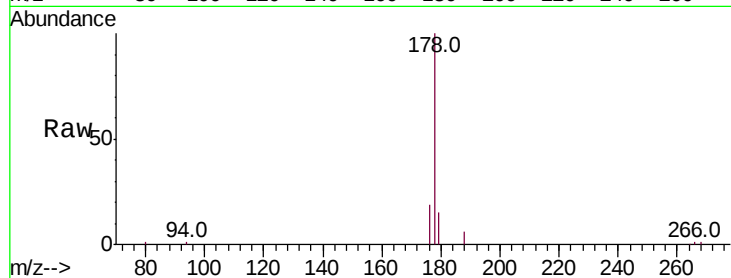
Tot Ion:178 Resp: 18763

Ion Ratio Lower Upper

178 100

179 15.4 12.3 18.5

176 19.4 15.3 22.9



#13

Anthracene

Concen: 0.353 ng/ul

RT: 17.19 min Scan# 3701

Delta R.T. 0.00 min

Lab File: BN006227.D

Acq: 10 Jun 2019 17:42

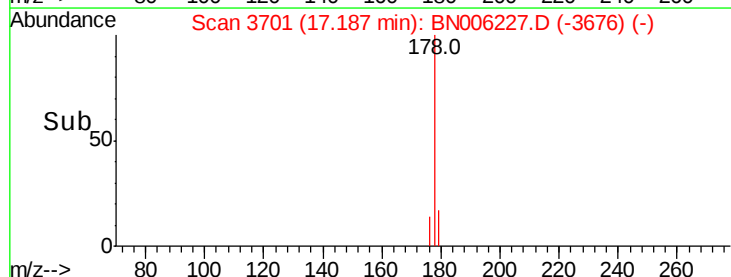
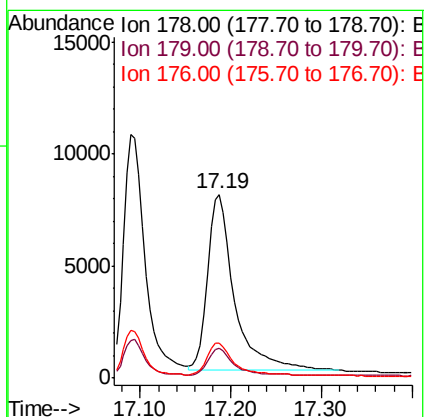
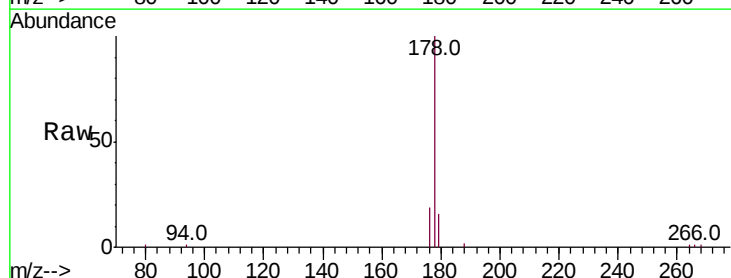
Tgt Ion:178 Resp: 16014

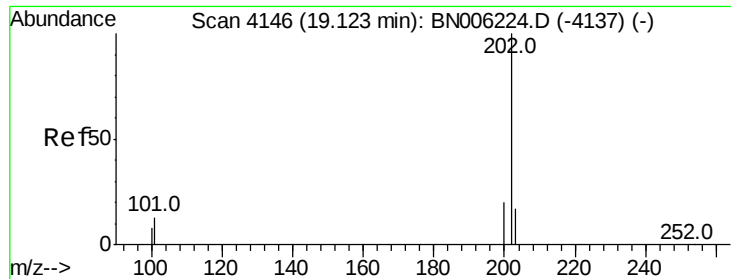
Ion Ratio Lower Upper

178 100

179 16.2 12.2 18.4

176 19.2 15.1 22.7

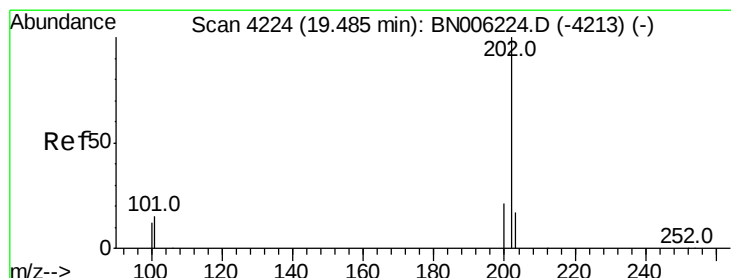
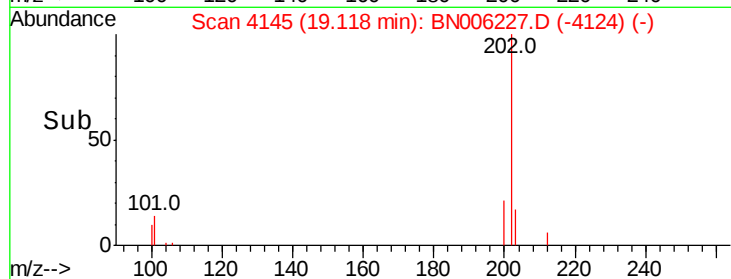
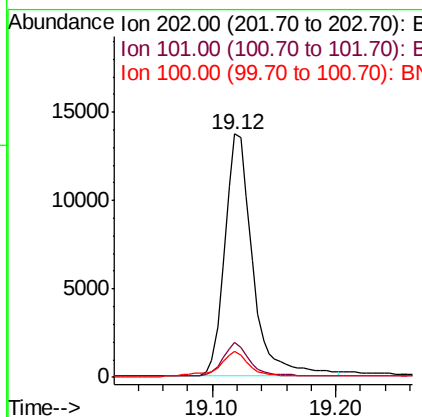
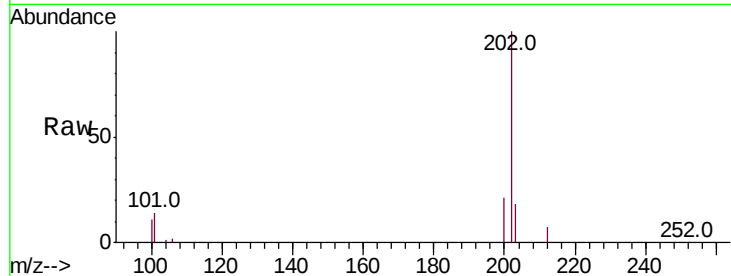




#15
Fluoranthene
Concen: 0.411 ng/ul
RT: 19.12 min Scan# 4145
Delta R.T. -0.00 min
Lab File: BN006227.D
Acq: 10 Jun 2019 17:42

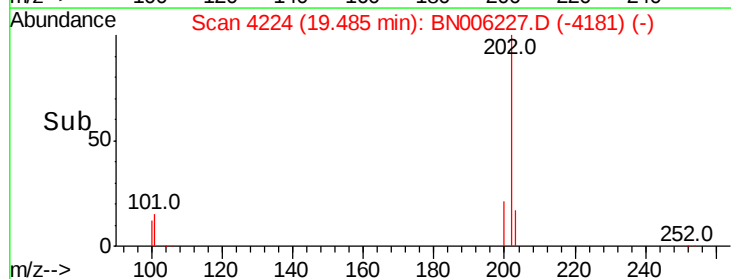
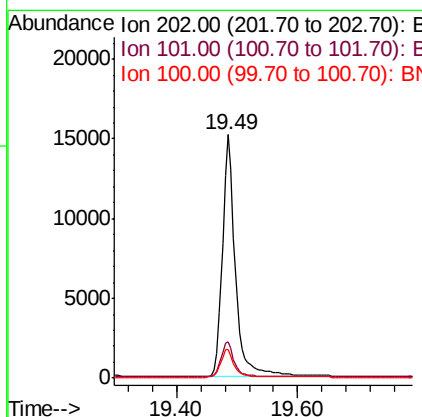
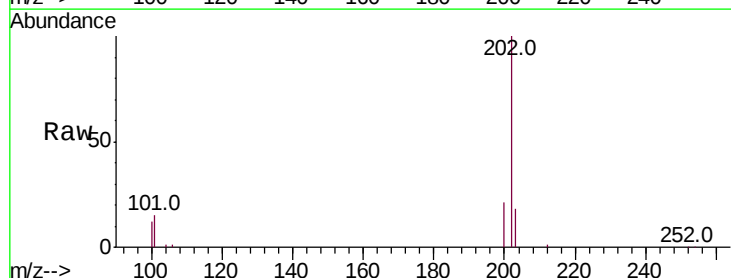
Instrument :
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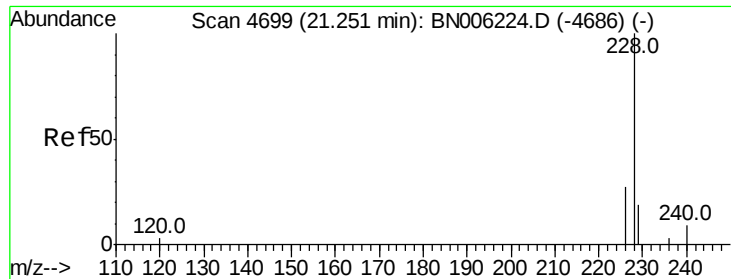
Tot Ion:202 Resp: 21534
Ion Ratio Lower Upper
202 100
101 14.3 0.0 32.1
100 10.7 0.0 28.7



#17
Pyrene
Concen: 0.383 ng/ul
RT: 19.49 min Scan# 4224
Delta R.T. -0.00 min
Lab File: BN006227.D
Acq: 10 Jun 2019 17:42

Tgt Ion:202 Resp: 22772
Ion Ratio Lower Upper
202 100
101 15.1 12.2 18.2
100 11.8 9.8 14.6





#18

Benzo(a)anthracene

Concen: 0.363 ng/ul

RT: 21.25 min Scan# 4698

Delta R.T. -0.00 min

Lab File: BN006227.D

Acq: 10 Jun 2019 17:42

Instrument :

BNA_N

ClientSampleId :

SSTD0.407

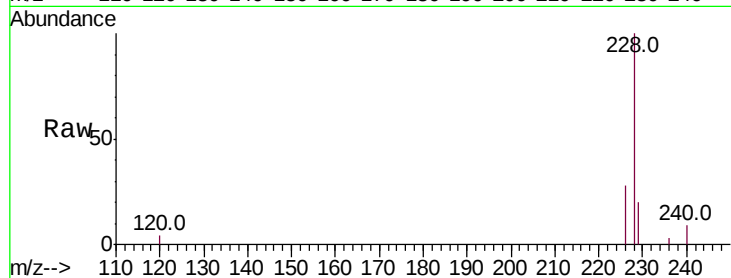
Tot Ion:228 Resp: 18134

Ion Ratio Lower Upper

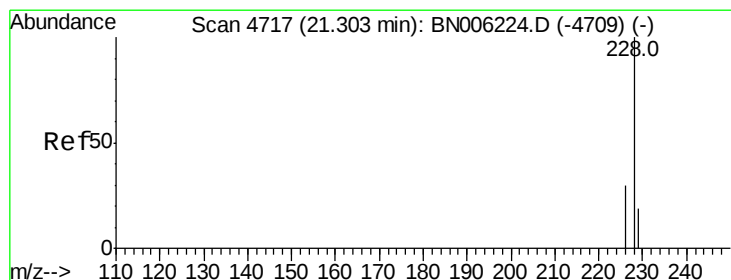
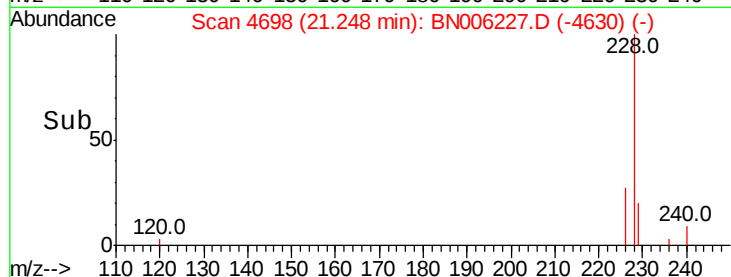
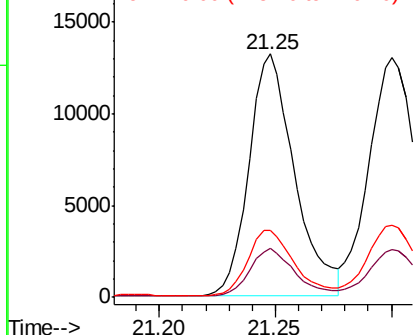
228 100

229 20.2 16.5 24.7

226 27.6 22.8 34.2



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: 0.476 ng/ul

RT: 21.30 min Scan# 4716

Delta R.T. -0.00 min

Lab File: BN006227.D

Acq: 10 Jun 2019 17:42

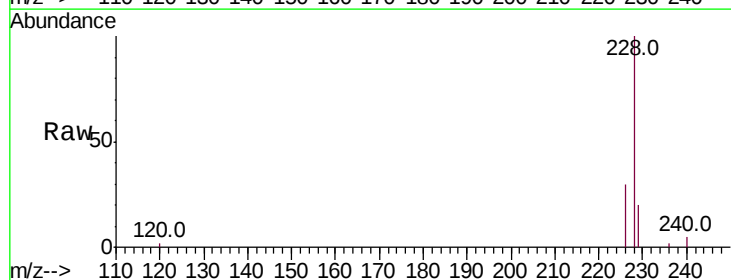
Tgt Ion:228 Resp: 22317

Ion Ratio Lower Upper

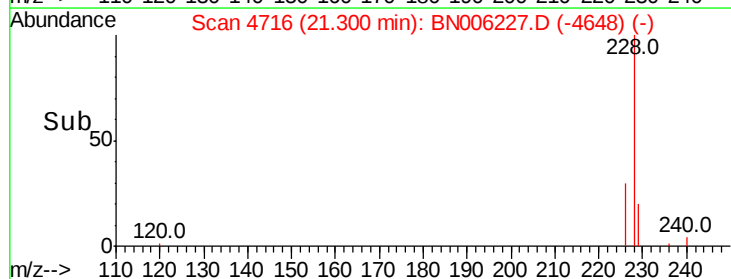
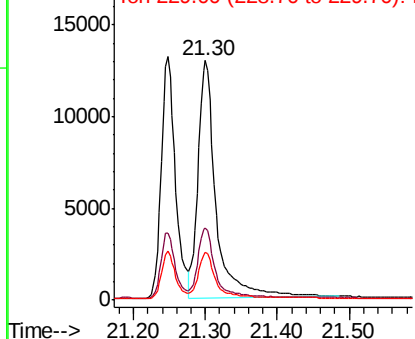
228 100

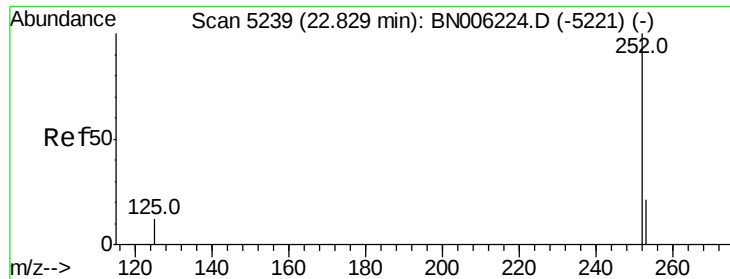
226 30.4 25.0 37.6

229 20.1 16.3 24.5



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: 0.375 ng/u1

RT: 22.83 min Scan# 5238

Delta R.T. 0.00 min

Lab File: BN006227.D

Acq: 10 Jun 2019 17:42

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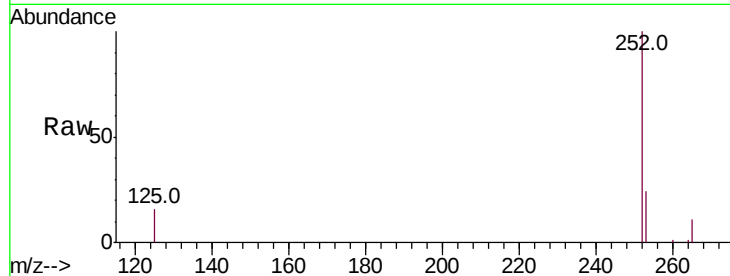
Tot Ion:252 Resp: 19813

Ion Ratio Lower Upper

252 100

253 24.0 0.0 51.4

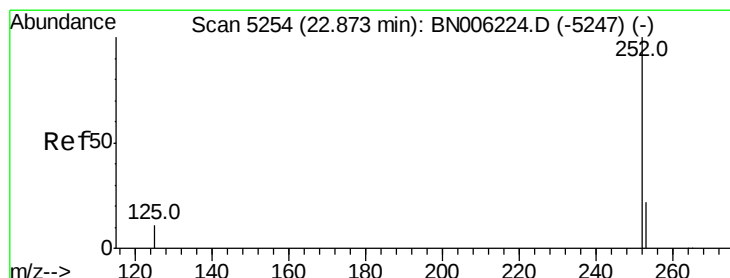
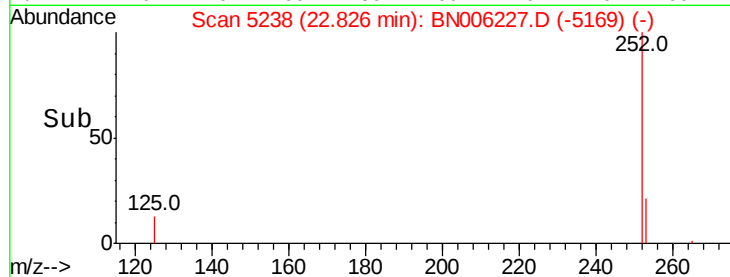
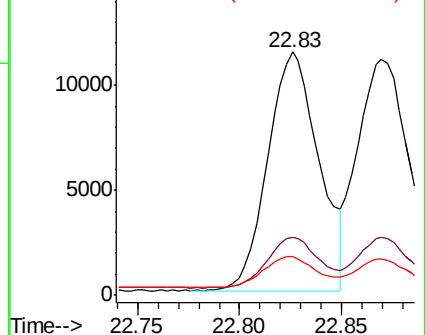
125 15.9 0.0 41.0



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: 0.424 ng/u1

RT: 22.87 min Scan# 5253

Delta R.T. 0.00 min

Lab File: BN006227.D

Acq: 10 Jun 2019 17:42

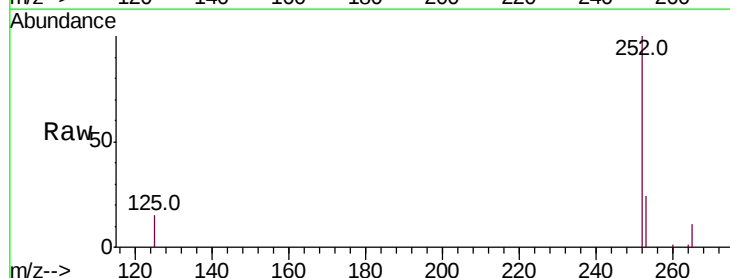
Tgt Ion:252 Resp: 21818

Ion Ratio Lower Upper

252 100

253 24.3 20.3 30.5

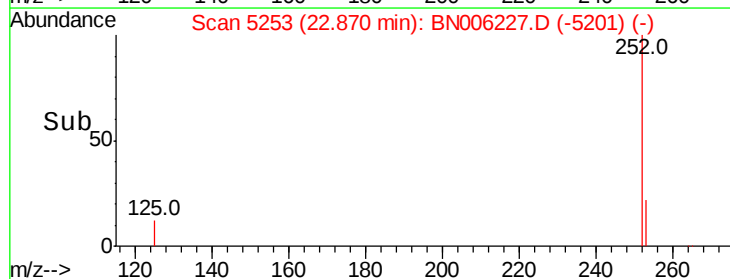
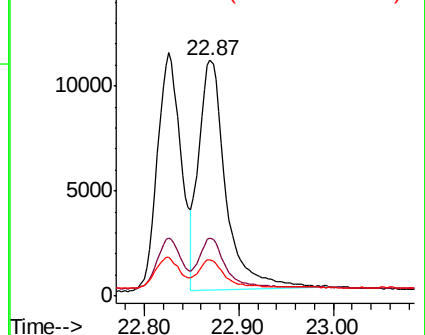
125 15.1 14.3 21.5

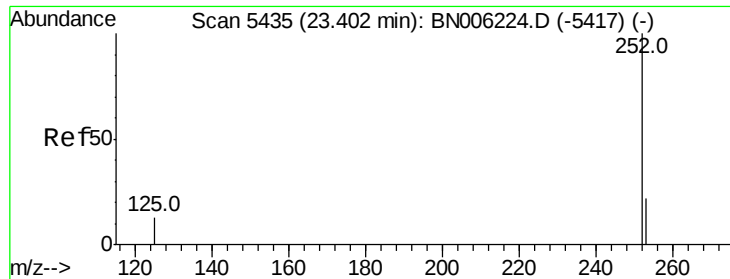


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.410 ng/ul

RT: 23.40 min Scan# 5433

Delta R.T. -0.00 min

Lab File: BN006227.D

Acq: 10 Jun 2019 17:42

Instrument :

BNA_N

ClientSampleId :

SSTD0.407

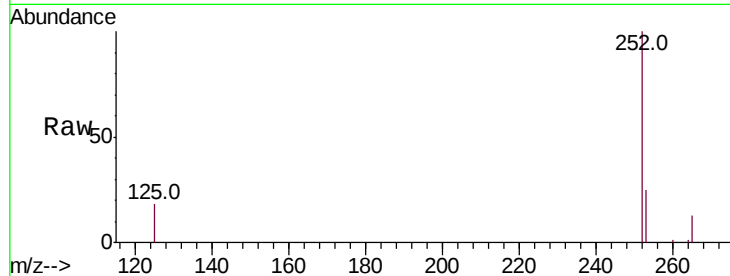
Tot Ion:252 Resp: 20129

Ion Ratio Lower Upper

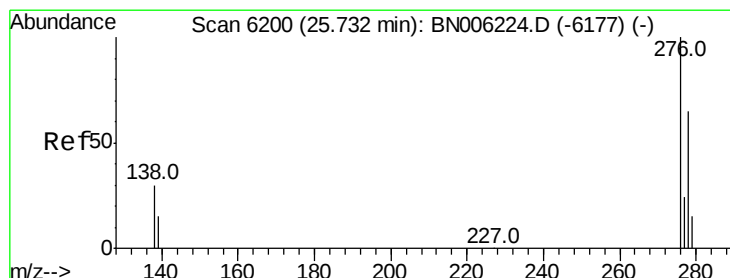
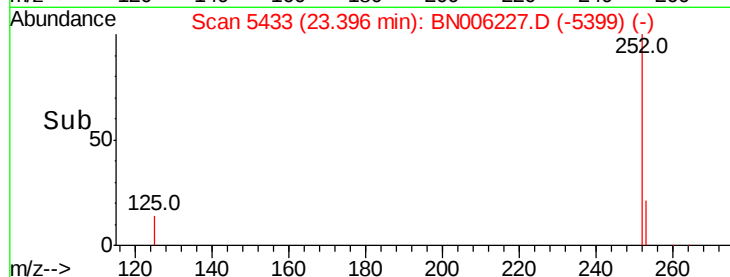
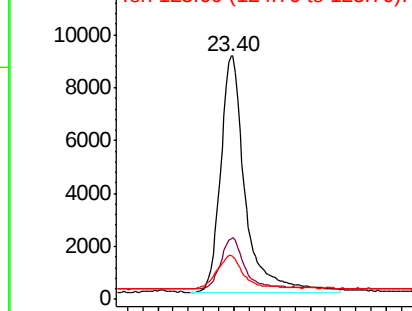
252 100

253 25.0 21.1 31.7

125 18.3 20.3 30.5#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.440 ng/ul

RT: 25.72 min Scan# 6198

Delta R.T. -0.00 min

Lab File: BN006227.D

Acq: 10 Jun 2019 17:42

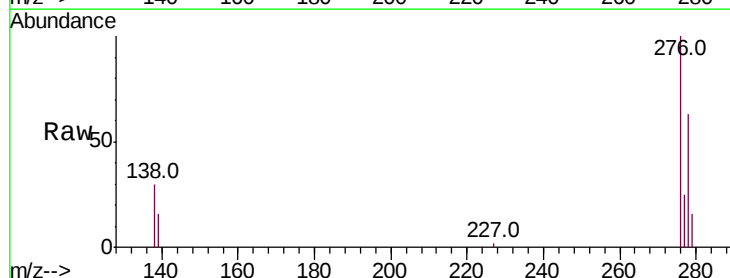
Tgt Ion:276 Resp: 23429

Ion Ratio Lower Upper

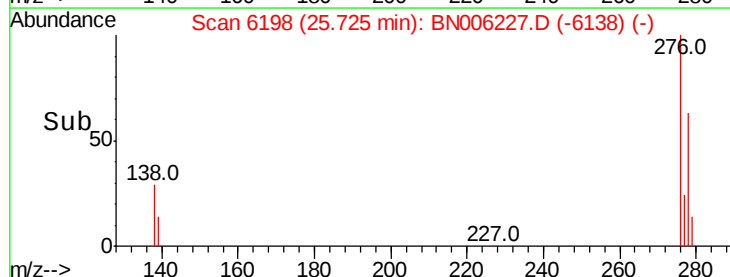
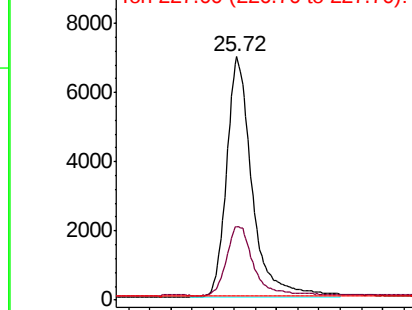
276 100

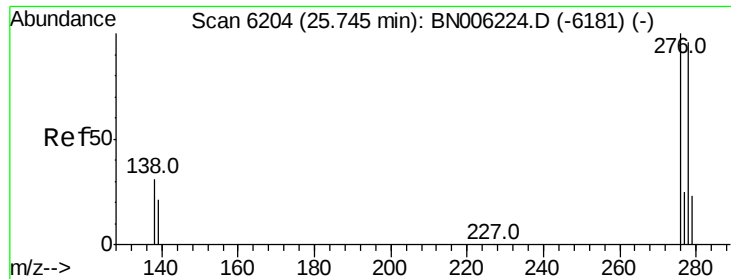
138 30.8 25.6 38.4

227 0.2 0.3 0.5#



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



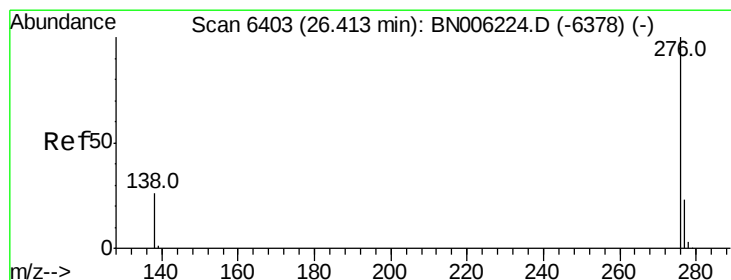
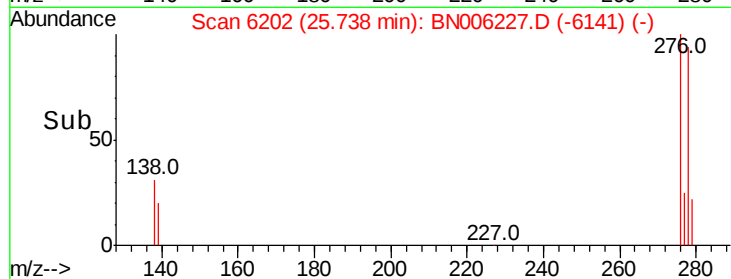
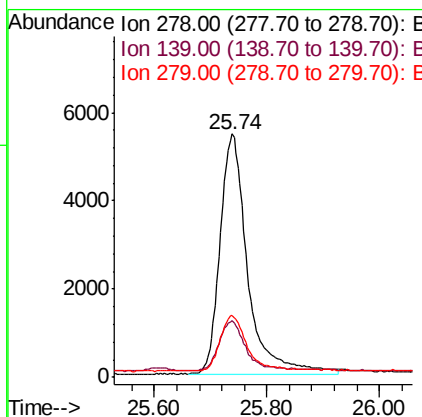
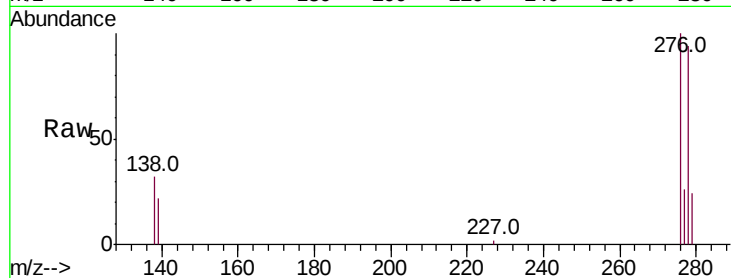


#25
Dibenzo(a,h)anthracene
Concen: 0.434 ng/ul
RT: 25.74 min Scan# 6202
Delta R.T. 0.00 min
Lab File: BN006227.D
Acq: 10 Jun 2019 17:42

Instrument :
BNA_N
ClientSampleId :
SSTD0.407

Tot Ion:278 Resp: 18436

Ion	Ratio	Lower	Upper
278	100		
139	23.3	21.2	31.8
279	25.4	22.6	33.8



#26
Benzo(g,h,i)perylene
Concen: 0.454 ng/ul
RT: 26.41 min Scan# 6402
Delta R.T. 0.01 min
Lab File: BN006227.D
Acq: 10 Jun 2019 17:42

Tgt Ion:276 Resp: 20242

Ion	Ratio	Lower	Upper
276	100		
138	27.5	24.2	36.4
277	24.4	21.5	32.3

