

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120219\
 Data File : BN008821.D
 Acq On : 02 Dec 2019 19:05
 Operator : JU
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 03 00:14:41 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN111519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 02 12:46:36 2019
 Response via : Initial Calibration

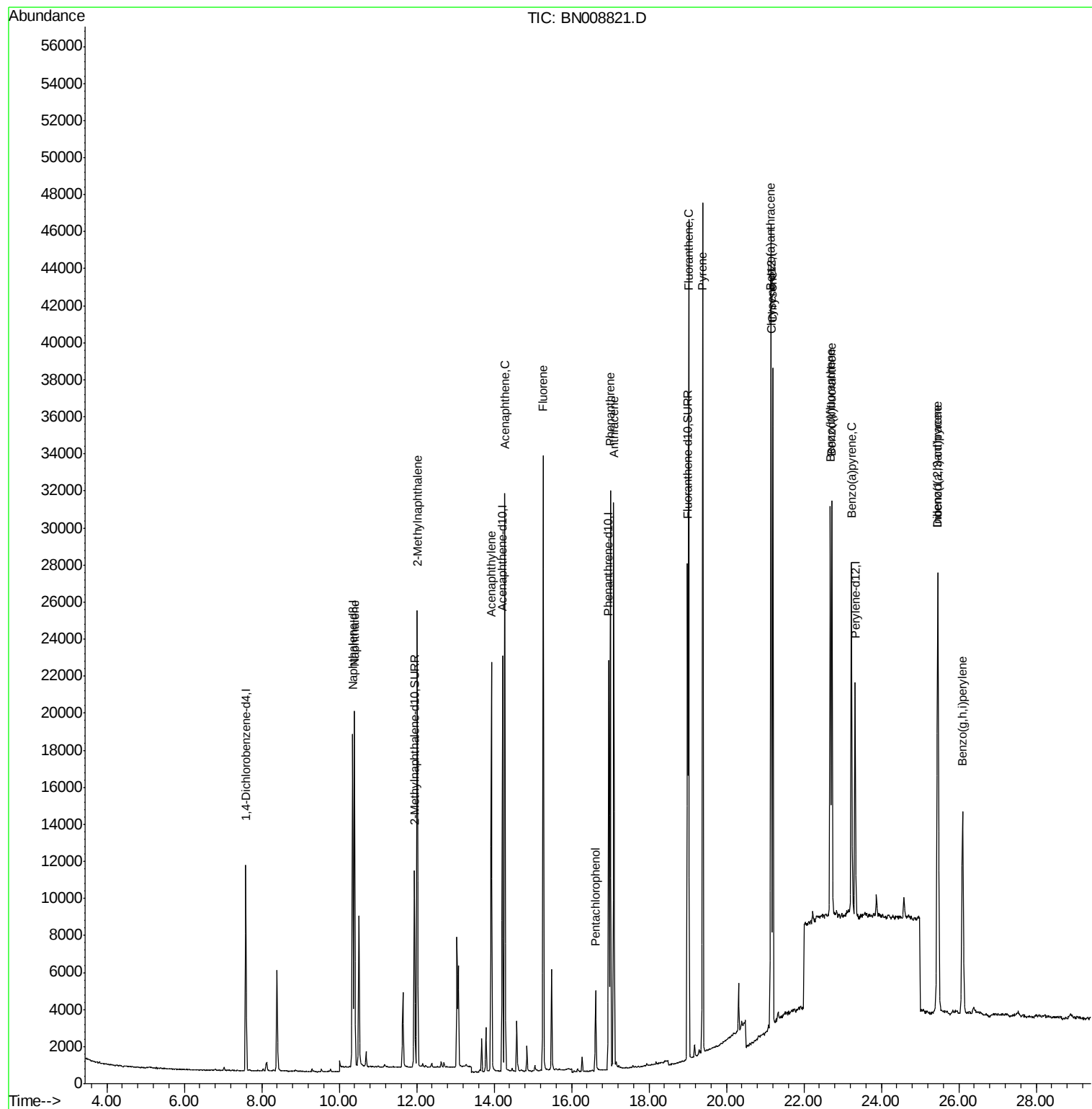
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	5430	0.40	ng/ul	0.00
2) Naphthalene-d8	10.35	136	21897	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.21	164	12018	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.96	188	23941	0.40	ng/ul	0.00
16) Chrysene-d12	21.16	240	17618	0.40	ng/ul	0.00
20) Perylene-d12	23.32	264	15219	0.40	ng/ul	0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.94	152	13619	0.38	ng/ul	0.00
14) Fluoranthene-d10	18.99	212	28258	0.39	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.39	128	25553	0.387	ng/ul	99
5) 2-Methylnaphthalene	12.02	142	17445	0.378	ng/ul	98
7) Acenaphthylene	13.93	152	26032	0.392	ng/ul	99
8) Acenaphthene	14.27	153	18020	0.365	ng/ul	99
9) Fluorene	15.27	166	20059	0.346	ng/ul	100
11) Pentachlorophenol	16.62	266	3024	0.334	ng/ul	98
12) Phenanthrene	17.00	178	32246	0.399	ng/ul	99
13) Anthracene	17.09	178	31921	0.418	ng/ul	100
15) Fluoranthene	19.02	202	37469	0.378	ng/ul	100
17) Pyrene	19.39	202	37999	0.538	ng/ul	99
18) Benzo(a)anthracene	21.15	228	32285	0.456	ng/ul	96
19) Chrysene	21.20	228	29812	0.428	ng/ul	96
21) Benzo(b)fluoranthene	22.68	252	26365	0.420	ng/ul	89
22) Benzo(k)fluoranthene	22.72	252	25573	0.411	ng/ul#	89
23) Benzo(a)pyrene	23.23	252	24238	0.411	ng/ul#	90
24) Indeno(1,2,3-cd)pyrene	25.45	276	24924	0.362	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.46	278	20179	0.363	ng/ul#	89
26) Benzo(g,h,i)perylene	26.10	276	21048	0.365	ng/ul	93

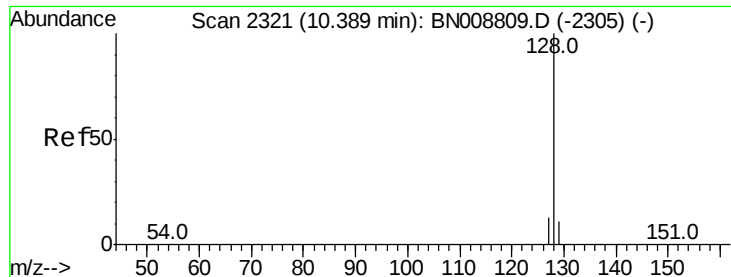
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampled :

Quant Time: Dec 03 00:14:41 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN11519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 02 12:46:36 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.387 ng/ul

RT: 10.39 min Scan# 2322

Delta R.T. 0.01 min

Lab File: BN008821.D

Acq: 02 Dec 2019 19:05

Instrument :

BNA_N

ClientSampleId :

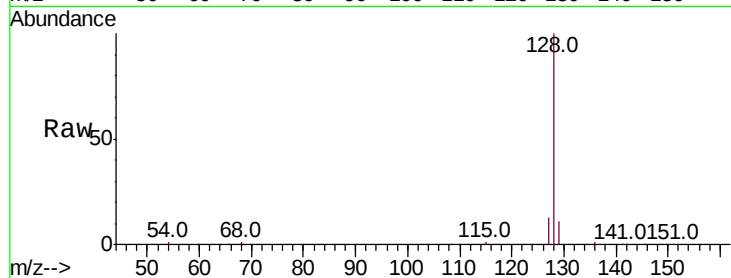
Tot Ion:128 Resp: 25553

Ion Ratio Lower Upper

128 100

129 11.2 9.1 13.7

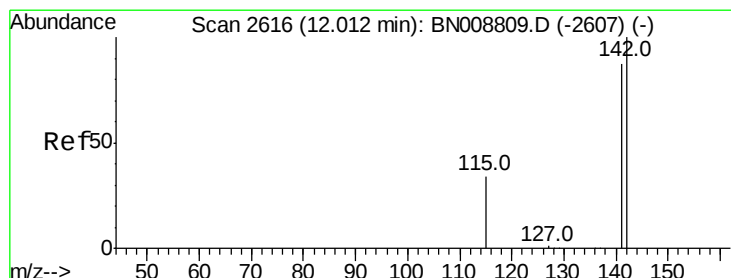
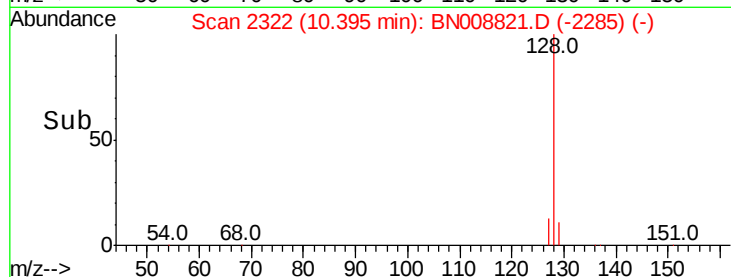
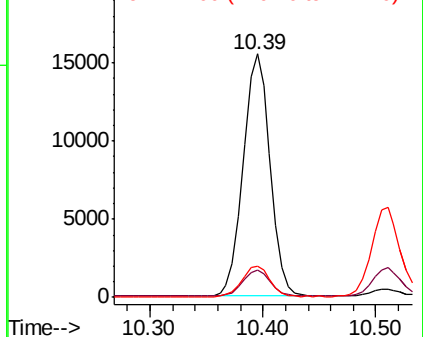
127 13.0 10.7 16.1



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: 0.378 ng/ul

RT: 12.02 min Scan# 2617

Delta R.T. 0.01 min

Lab File: BN008821.D

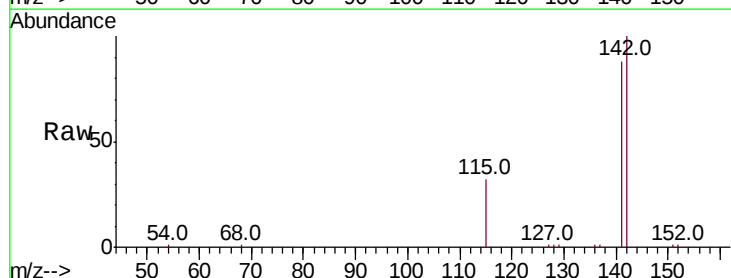
Acq: 02 Dec 2019 19:05

Tgt Ion:142 Resp: 17445

Ion Ratio Lower Upper

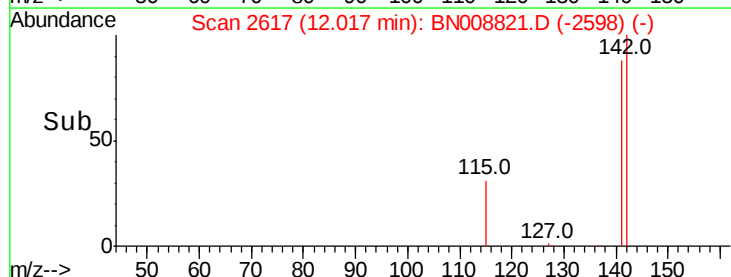
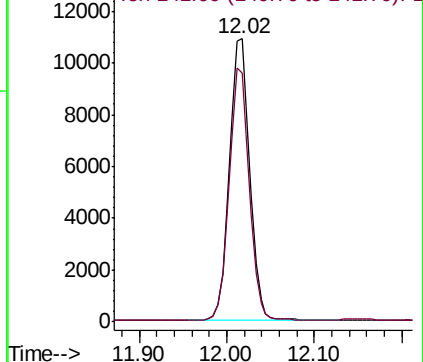
142 100

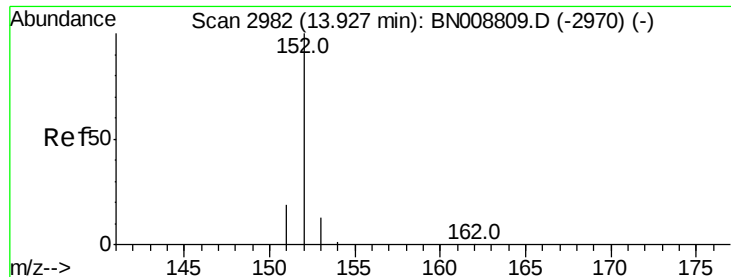
141 89.0 70.1 105.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.392 ng/ul

RT: 13.93 min Scan# 2982

Delta R.T. 0.00 min

Lab File: BN008821.D

Acq: 02 Dec 2019 19:05

Instrument :

BNA_N

ClientSampleId :

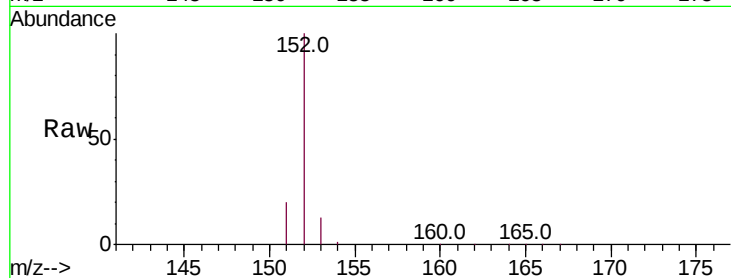
Tot Ion:152 Resp: 26032

Ion Ratio Lower Upper

152 100

151 20.2 15.8 23.6

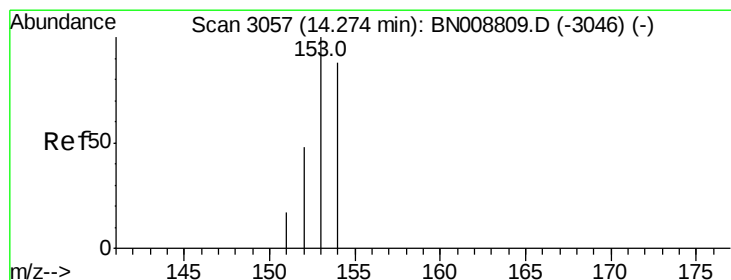
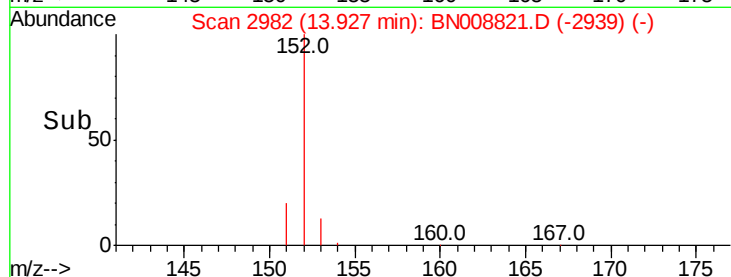
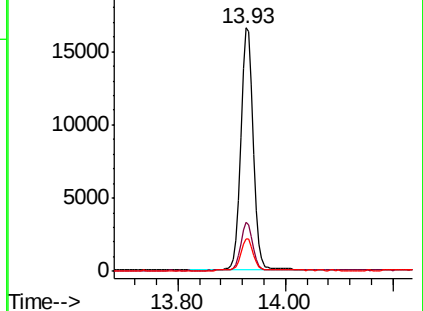
153 13.4 10.6 15.8



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: 0.365 ng/ul

RT: 14.27 min Scan# 3057

Delta R.T. 0.00 min

Lab File: BN008821.D

Acq: 02 Dec 2019 19:05

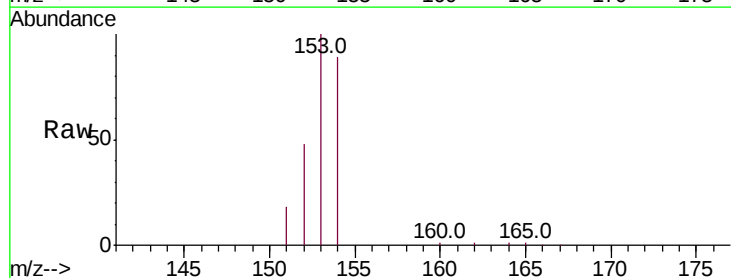
Tgt Ion:153 Resp: 18020

Ion Ratio Lower Upper

153 100

152 48.2 38.6 58.0

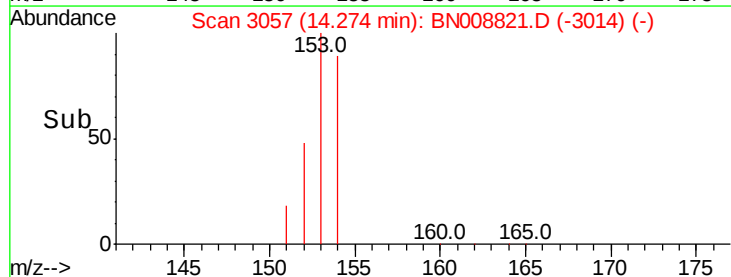
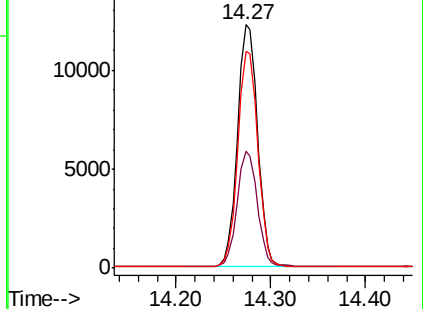
154 89.0 70.6 105.8

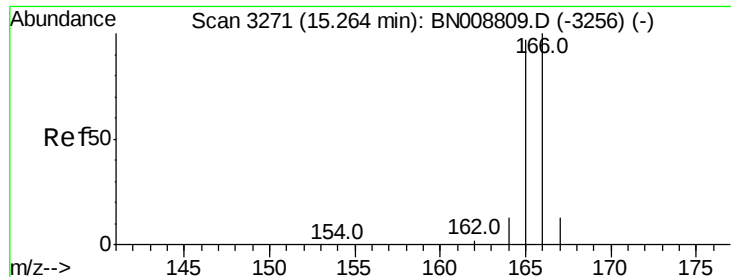


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.346 ng/ul

RT: 15.27 min Scan# 3272

Delta R.T. 0.00 min

Lab File: BN008821.D

Acq: 02 Dec 2019 19:05

Instrument :

BNA_N

ClientSampleId :

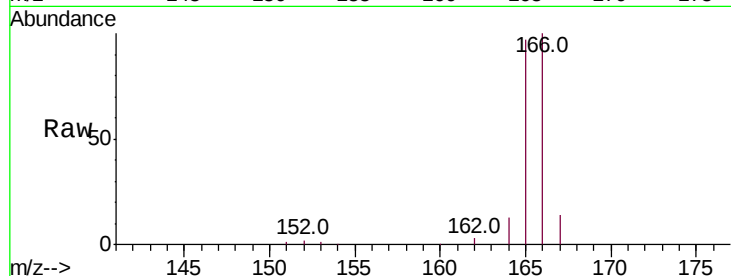
Tot Ion:166 Resp: 20059

Ion Ratio Lower Upper

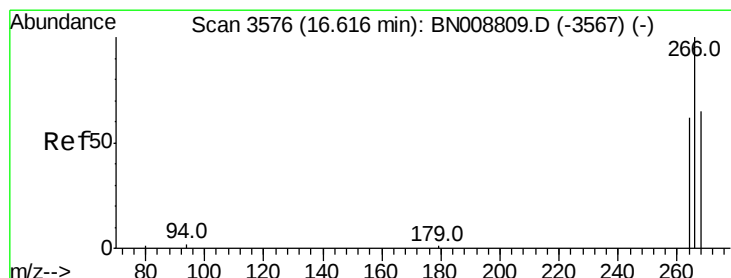
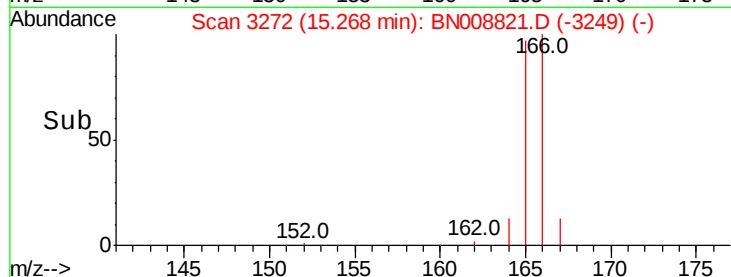
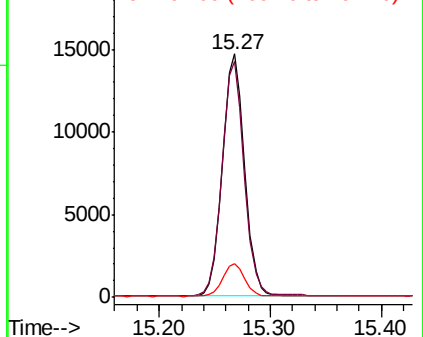
166 100

165 96.9 77.7 116.5

167 13.6 11.1 16.7



Abundance Ion 166.00 (165.70 to 166.70): E
20000
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#11

Pentachlorophenol

Concen: 0.334 ng/ul

RT: 16.62 min Scan# 3577

Delta R.T. 0.00 min

Lab File: BN008821.D

Acq: 02 Dec 2019 19:05

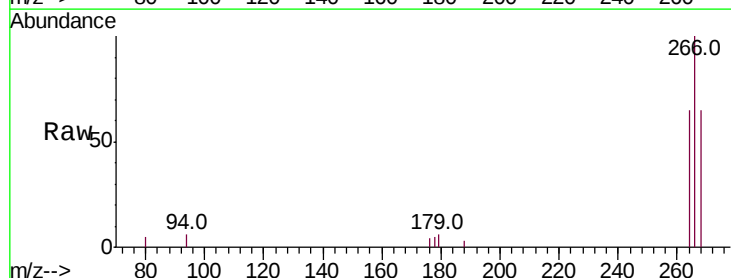
Tgt Ion:266 Resp: 3024

Ion Ratio Lower Upper

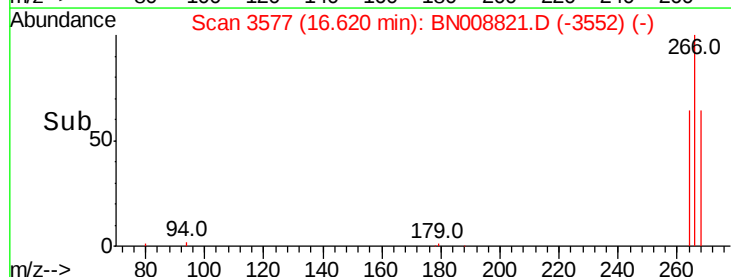
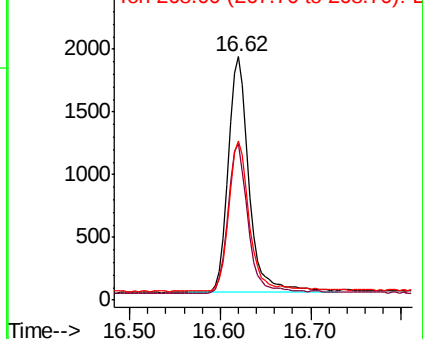
266 100

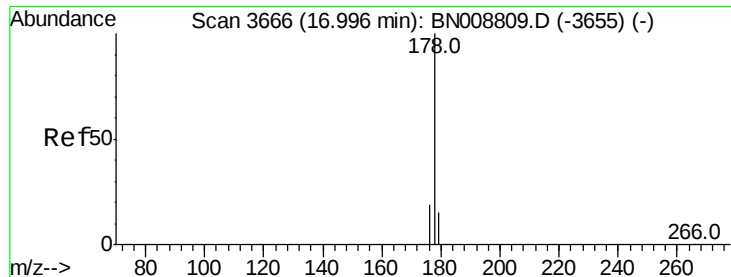
264 62.5 50.4 75.6

268 63.4 52.2 78.4



Abundance Ion 266.00 (265.70 to 266.70): E
2500
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.399 ng/ul

RT: 17.00 min Scan# 3667

Delta R.T. 0.00 min

Lab File: BN008821.D

Acq: 02 Dec 2019 19:05

Instrument :

BNA_N

ClientSampleId :

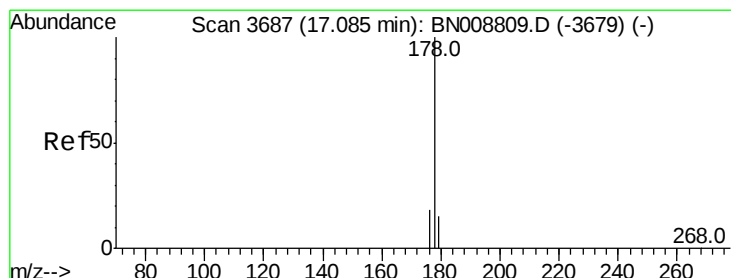
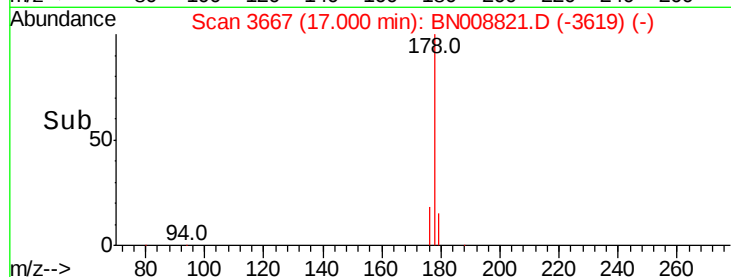
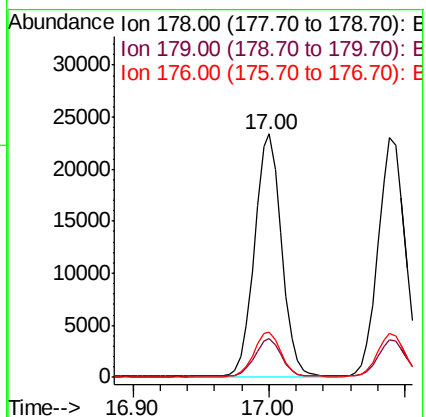
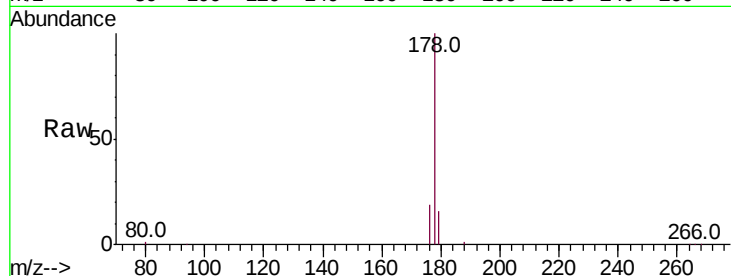
Tot Ion:178 Resp: 32246

Ion Ratio Lower Upper

178 100

179 15.8 12.6 18.8

176 18.5 15.3 22.9



#13

Anthracene

Concen: 0.418 ng/ul

RT: 17.09 min Scan# 3688

Delta R.T. 0.00 min

Lab File: BN008821.D

Acq: 02 Dec 2019 19:05

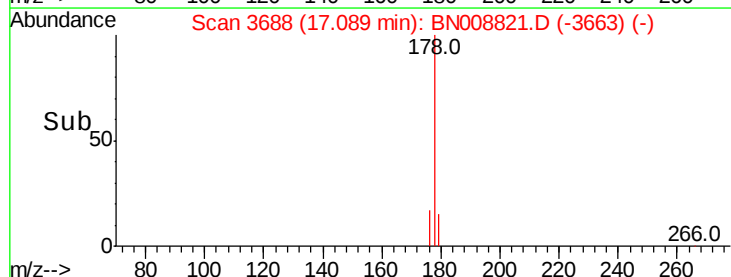
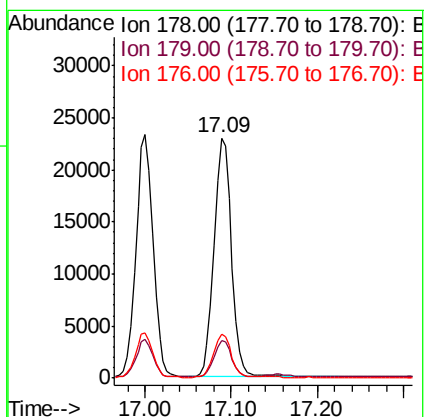
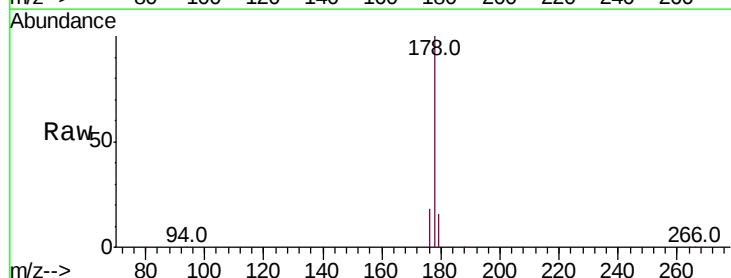
Tgt Ion:178 Resp: 31921

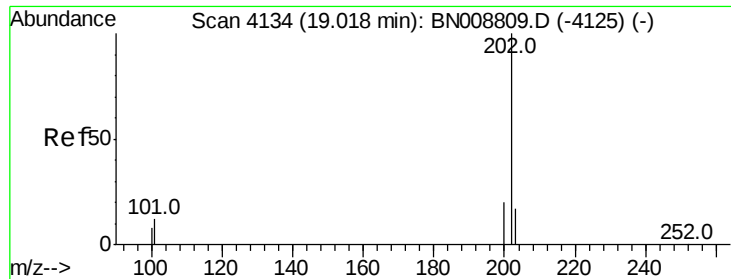
Ion Ratio Lower Upper

178 100

179 15.6 12.2 18.4

176 18.2 14.7 22.1





#15

Fluoranthene

Concen: 0.378 ng/ul

RT: 19.02 min Scan# 4135

Delta R.T. 0.00 min

Lab File: BN008821.D

Acq: 02 Dec 2019 19:05

Instrument :

BNA_N

ClientSampleId :

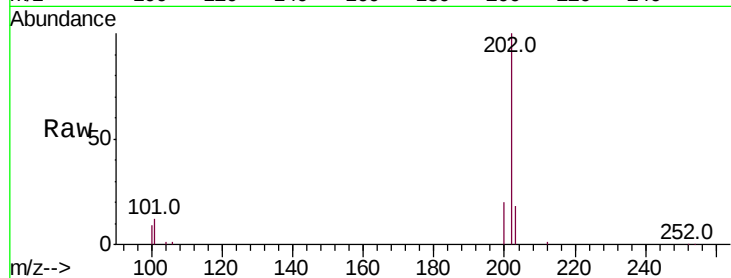
Tot Ion:202 Resp: 37469

Ion Ratio Lower Upper

202 100

101 12.4 0.0 32.4

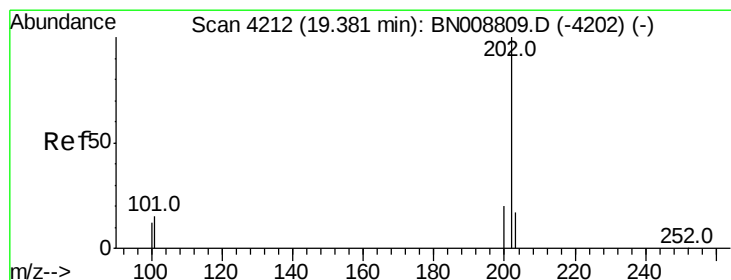
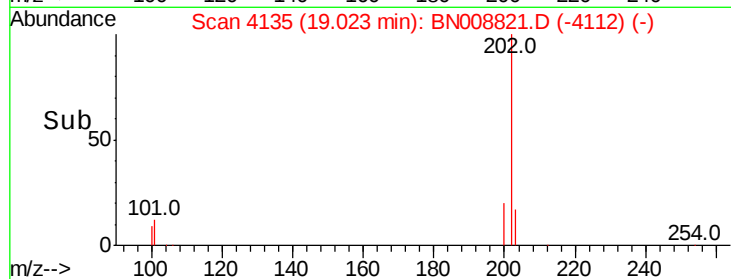
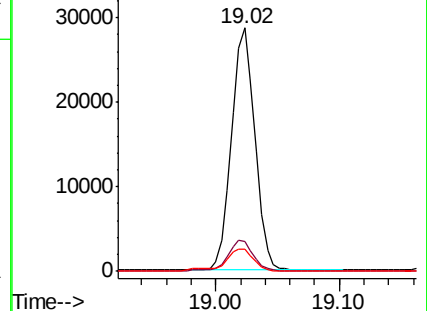
100 9.1 0.0 29.2



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: 0.538 ng/ul

RT: 19.39 min Scan# 4213

Delta R.T. 0.00 min

Lab File: BN008821.D

Acq: 02 Dec 2019 19:05

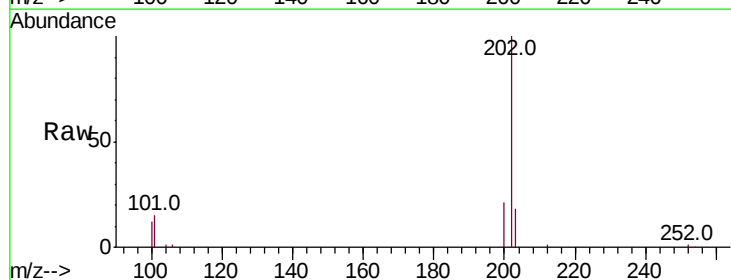
Tgt Ion:202 Resp: 37999

Ion Ratio Lower Upper

202 100

101 14.6 12.2 18.4

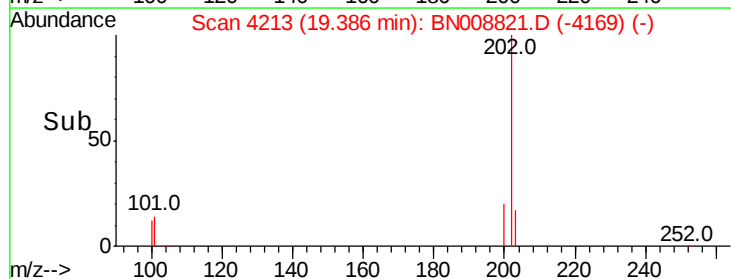
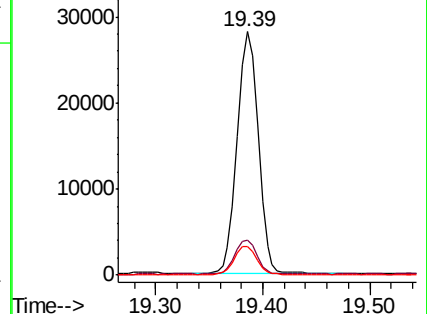
100 11.8 9.5 14.3

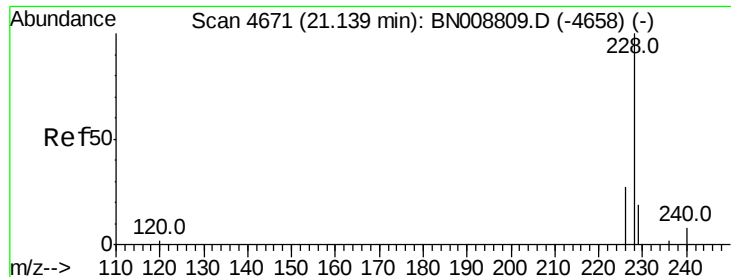


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.456 ng/ul

RT: 21.15 min Scan# 4673

Delta R.T. 0.01 min

Lab File: BN008821.D

Acq: 02 Dec 2019 19:05

Instrument :

BNA_N

ClientSampleId :

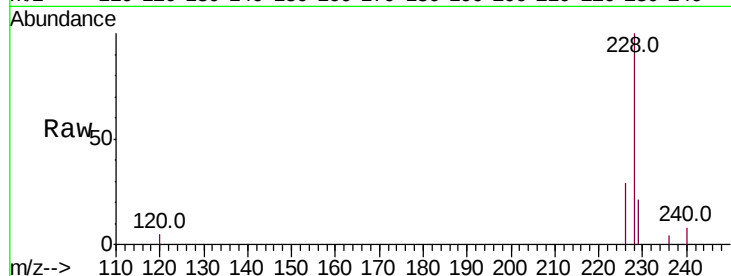
Tot Ion:228 Resp: 32285

Ion Ratio Lower Upper

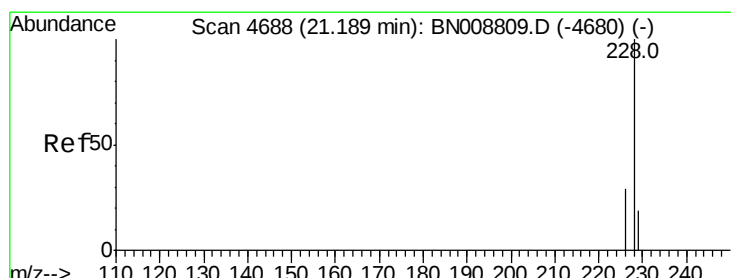
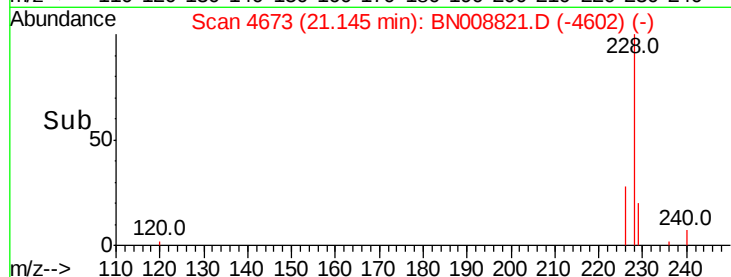
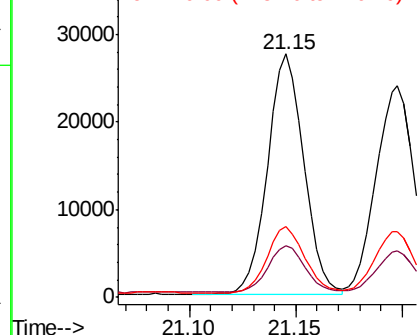
228 100

229 21.4 15.7 23.5

226 28.9 21.5 32.3



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: 0.428 ng/ul

RT: 21.20 min Scan# 4691

Delta R.T. 0.01 min

Lab File: BN008821.D

Acq: 02 Dec 2019 19:05

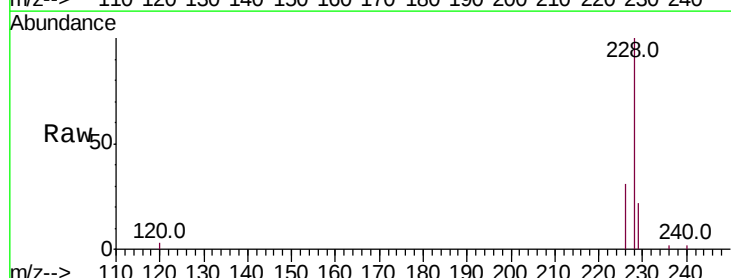
Tgt Ion:228 Resp: 29812

Ion Ratio Lower Upper

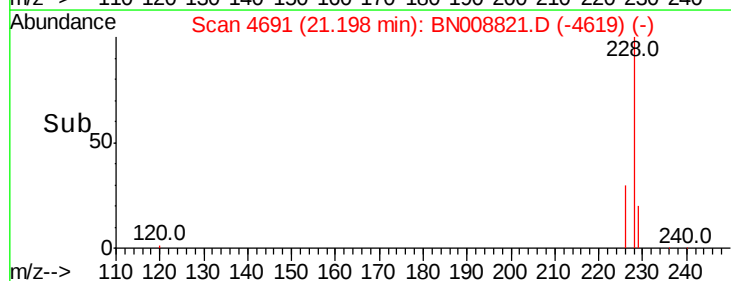
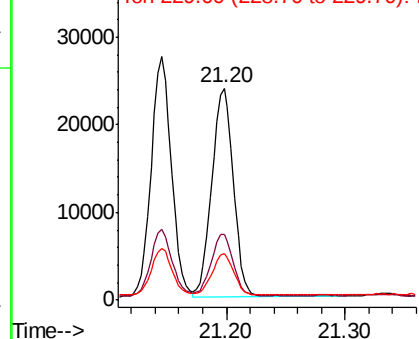
228 100

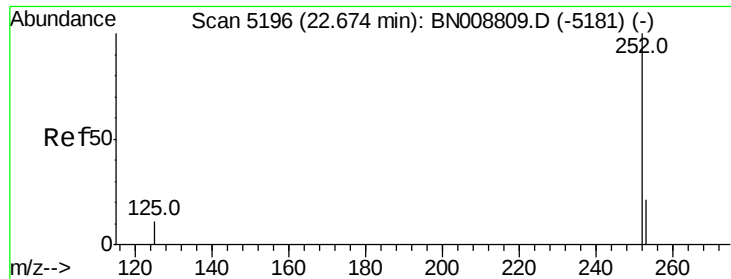
226 31.1 23.8 35.6

229 21.8 15.6 23.4



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: 0.420 ng/u1

RT: 22.68 min Scan# 5199

Delta R.T. 0.01 min

Lab File: BN008821.D

Acq: 02 Dec 2019 19:05

Instrument :

BNA_N

ClientSampleId :

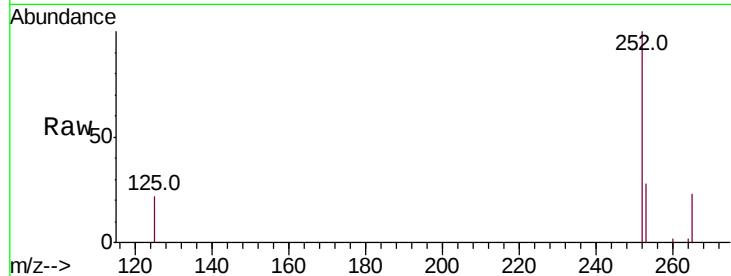
Tot Ion:252 Resp: 26365

Ion Ratio Lower Upper

252 100

253 27.9 0.0 48.6

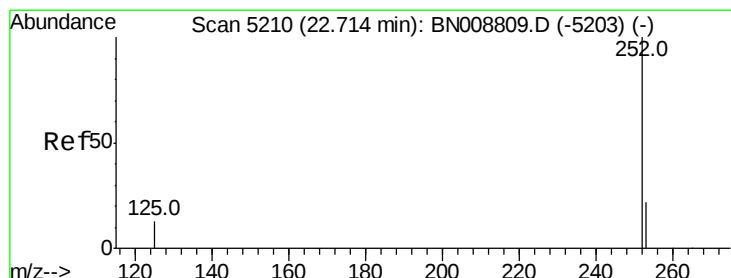
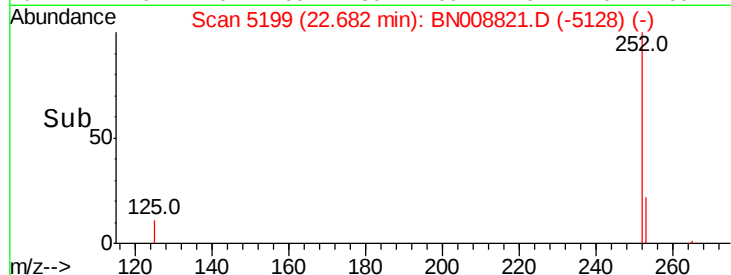
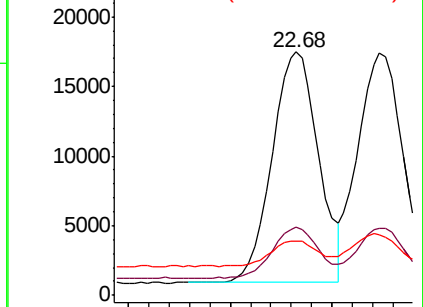
125 22.5 0.0 31.6



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



#22

Benzo(k)fluoranthene

Concen: 0.411 ng/u1

RT: 22.72 min Scan# 5213

Delta R.T. 0.01 min

Lab File: BN008821.D

Acq: 02 Dec 2019 19:05

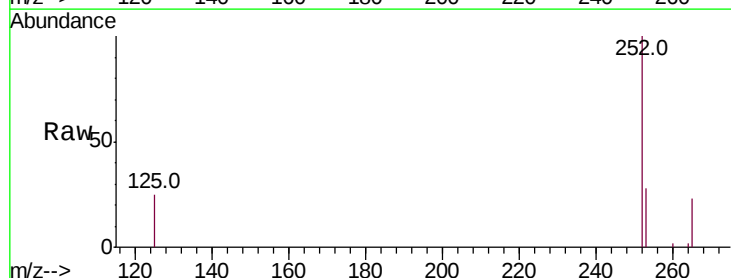
Tgt Ion:252 Resp: 25573

Ion Ratio Lower Upper

252 100

253 27.9 19.6 29.4

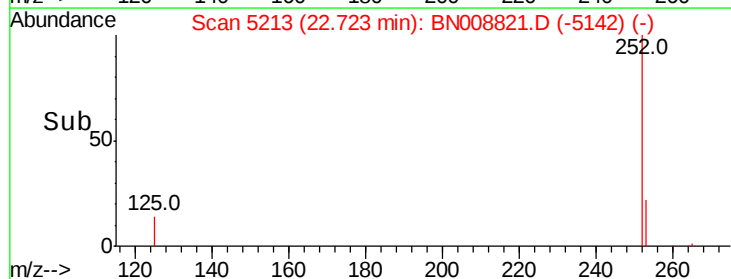
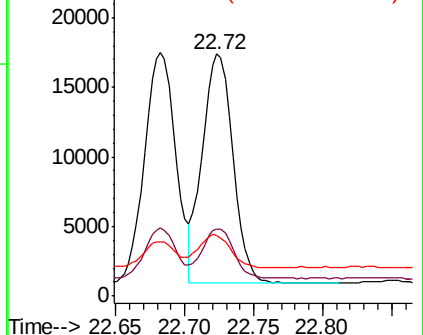
125 25.0 13.8 20.6#

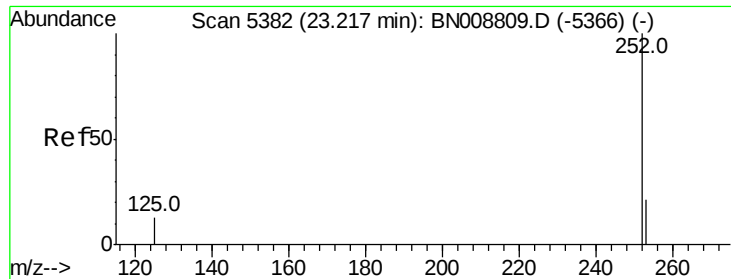


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.411 ng/ul

RT: 23.23 min Scan# 5385

Delta R.T. 0.01 min

Lab File: BN008821.D

Acq: 02 Dec 2019 19:05

Instrument :

BNA_N

ClientSampleId :

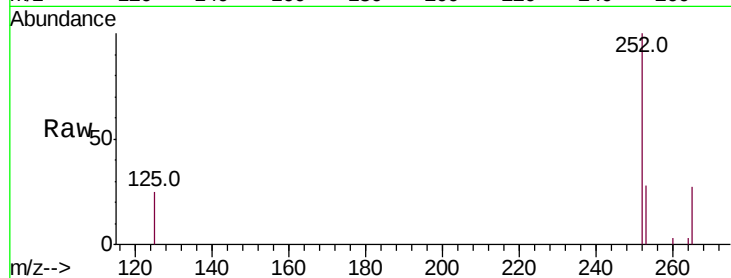
Tot Ion:252 Resp: 24238

Ion Ratio Lower Upper

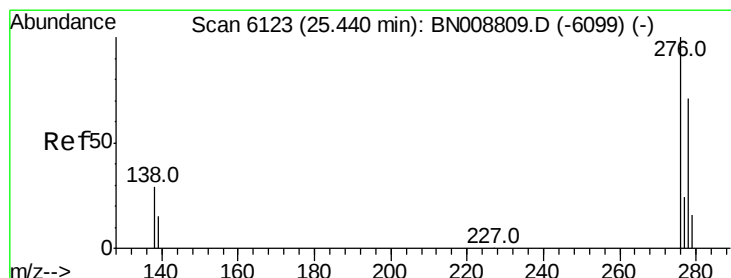
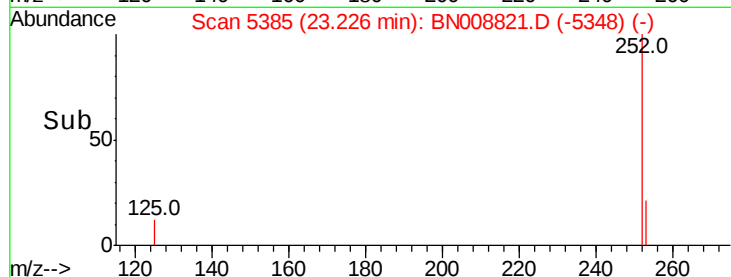
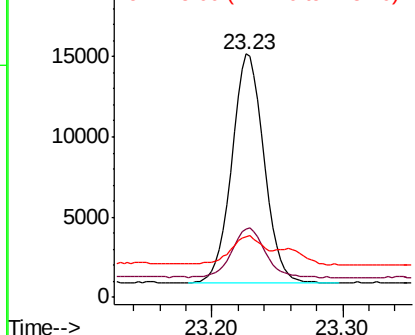
252 100

253 28.3 19.9 29.9

125 25.1 14.6 22.0#



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: 0.362 ng/ul

RT: 25.45 min Scan# 6126

Delta R.T. 0.01 min

Lab File: BN008821.D

Acq: 02 Dec 2019 19:05

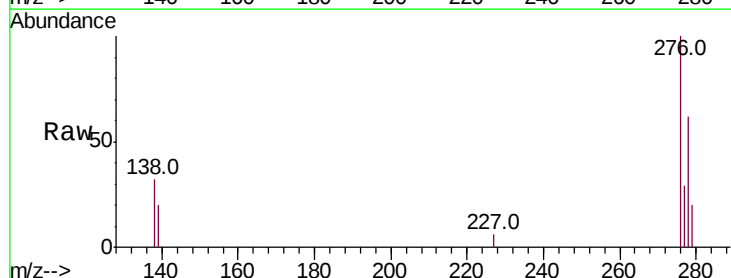
Tgt Ion:276 Resp: 24924

Ion Ratio Lower Upper

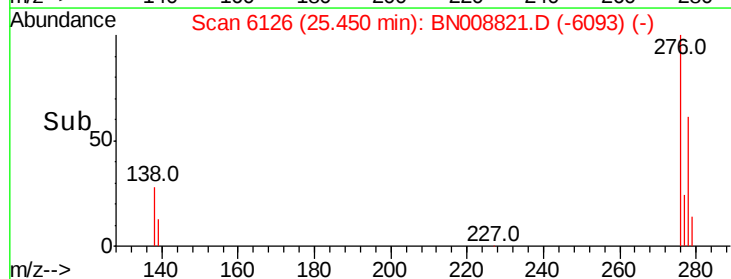
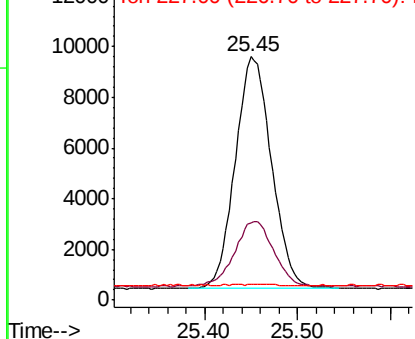
276 100

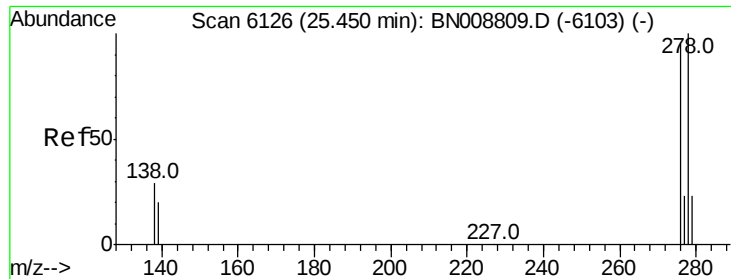
138 30.0 23.8 35.6

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

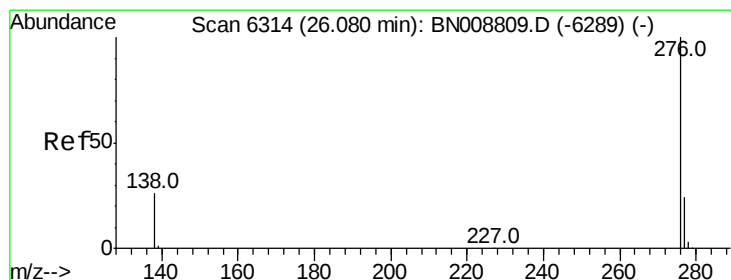
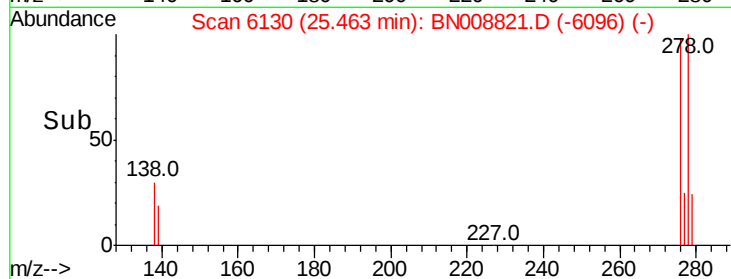
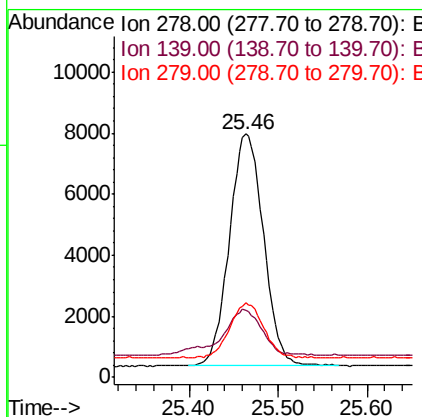
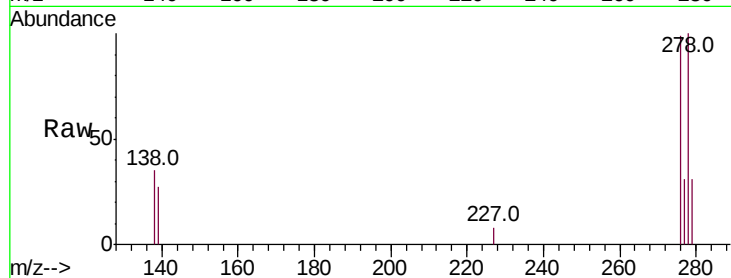




#25
Dibenzo(a,h)anthracene
Concen: 0.363 ng/ul
RT: 25.46 min Scan# 6130
Delta R.T. 0.01 min
Lab File: BN008821.D
Acq: 02 Dec 2019 19:05

Instrument :
BNA_N
ClientSampled :

Tot Ion:278 Resp: 20179
Ion Ratio Lower Upper
278 100
139 27.3 17.4 26.0#
279 30.8 20.5 30.7#



#26
Benzo(g,h,i)perylene
Concen: 0.365 ng/ul
RT: 26.10 min Scan# 6320
Delta R.T. 0.02 min
Lab File: BN008821.D
Acq: 02 Dec 2019 19:05

Tgt Ion:276 Resp: 21048
Ion Ratio Lower Upper
276 100
138 30.0 21.9 32.9
277 29.4 19.9 29.9

