

Data File : BN008614.D
Acq On : 18 Nov 2019 21:19
Operator : JU
Sample : K5678-14
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
JLM99

Quant Time: Nov 19 01:52:04 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 : Tue Nov 19 01:47:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	3202	0.40	ng/ul	0.00
2) Naphthalene-d8	10.39	136	11680	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.26	164	6867	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.00	188	13657	0.40	ng/ul	0.00
16) Chrysene-d12	21.19	240	10410	0.40	ng/ul	0.00
20) Perylene-d12	23.37	264	11511	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.98	152	3513	0.18	ng/ul	0.00
14) Fluoranthene-d10	19.03	212	8000	0.19	ng/ul	0.00

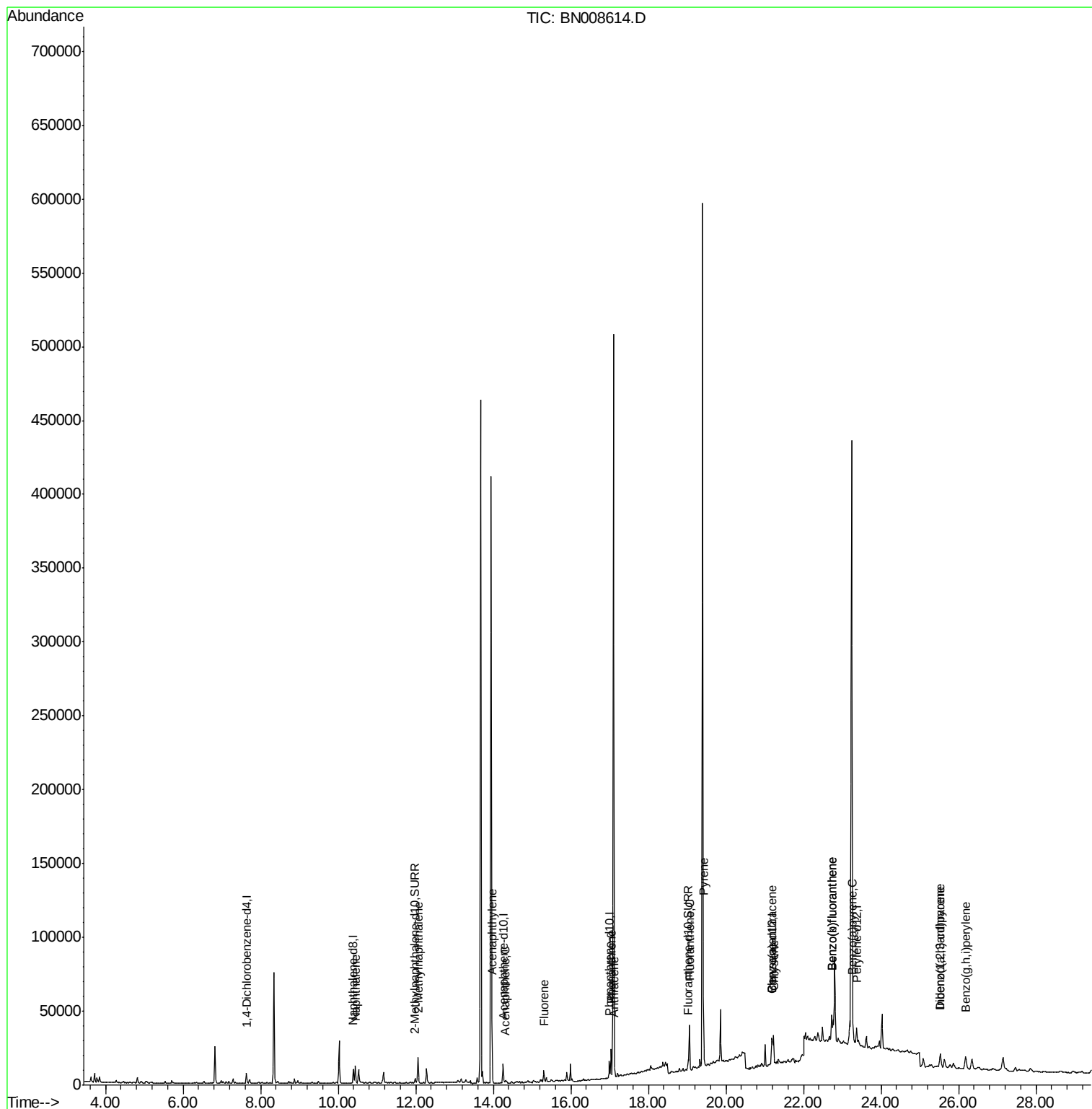
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.44	128	15701	0.446	ng/ul	100
5) 2-Methylnaphthalene	12.06	142	11475	0.467	ng/ul	100
7) Acenaphthylene	13.97	152	3403	0.090	ng/ul#	85
8) Acenaphthene	14.32	153	1445	0.051	ng/ul	94
9) Fluorene	15.31	166	1944	0.059	ng/ul#	66
12) Phenanthrene	17.04	178	20206	0.439	ng/ul#	93
13) Anthracene	17.13	178	4938	0.113	ng/ul#	64
15) Fluoranthene	19.06	202	23575	0.417	ng/ul	96
17) Pyrene	19.42	202	31602	0.757	ng/ul	99
18) Benzo(a)anthracene	21.18	228	11477	0.274	ng/ul#	60
19) Chrysene	21.23	228	23632	0.575	ng/ul#	73
21) Benzo(b)fluoranthene	22.73	252	29958	0.631	ng/ul#	1
22) Benzo(k)fluoranthene	22.73	252	29958	0.636	ng/ul#	1
23) Benzo(a)pyrene	23.28	252	15163	0.340	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	25.53	276	12111	0.232	ng/ul#	96
25) Dibenzo(a,h)anthracene	25.54	278	3878	0.092	ng/ul#	1
26) Benzo(g,h,i)perylene	26.18	276	16168	0.371	ng/ul#	54

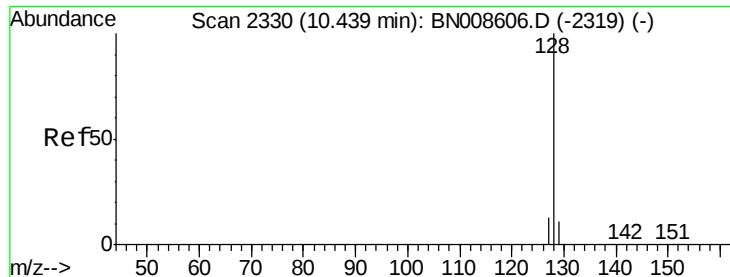
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.446 ng/ul

RT: 10.44 min Scan# 2330

Delta R.T. -0.00 min

Lab File: BN008614.D

Acq: 18 Nov 2019 21:19

Instrument :

BNA_N

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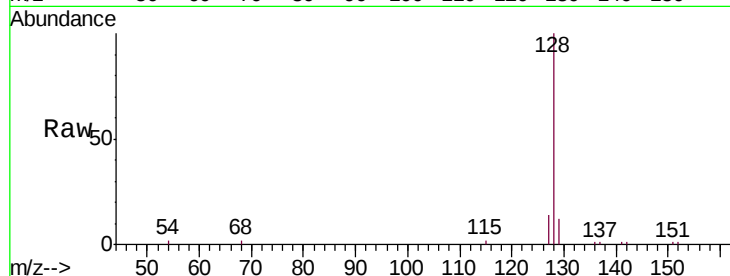
Tgt Ion:128 Resp: 15701

Ion Ratio Lower Upper

128 100

129 12.1 9.7 14.5

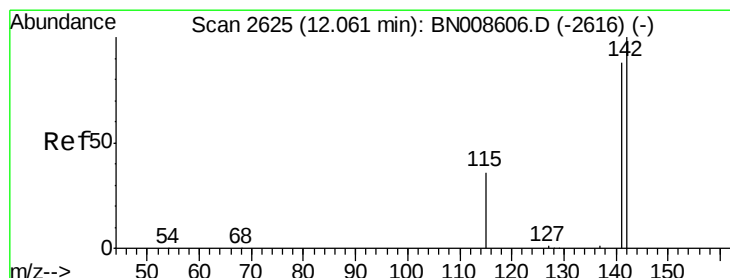
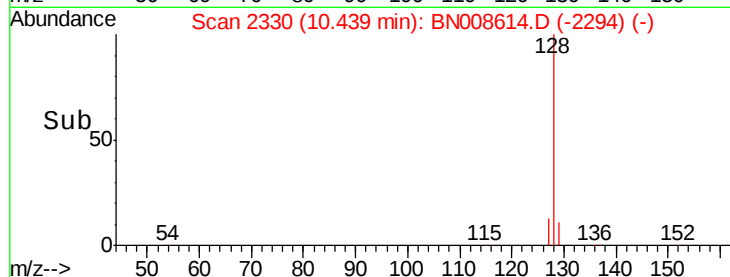
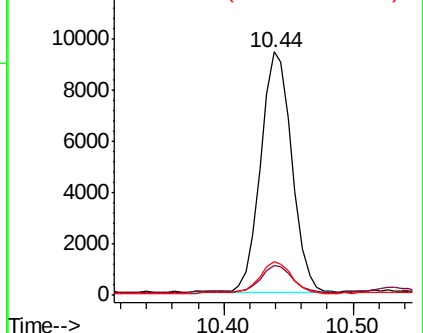
127 13.7 10.8 16.2



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: 0.467 ng/ul

RT: 12.06 min Scan# 2625

Delta R.T. -0.00 min

Lab File: BN008614.D

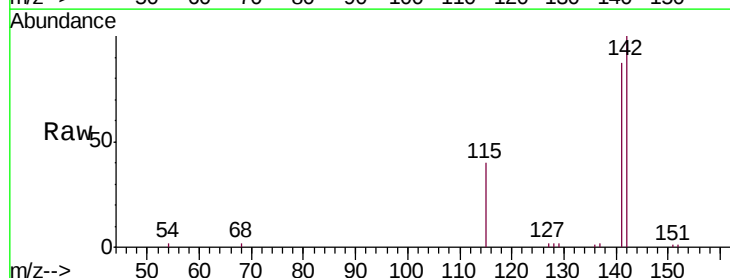
Acq: 18 Nov 2019 21:19

Tgt Ion:142 Resp: 11475

Ion Ratio Lower Upper

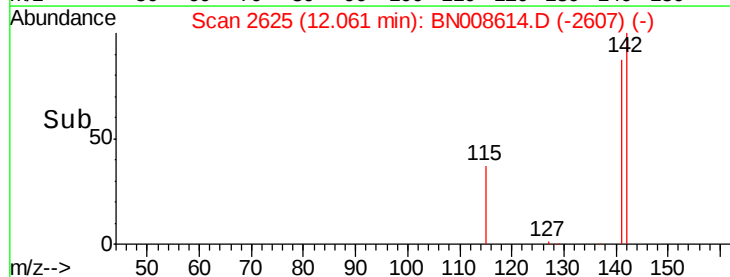
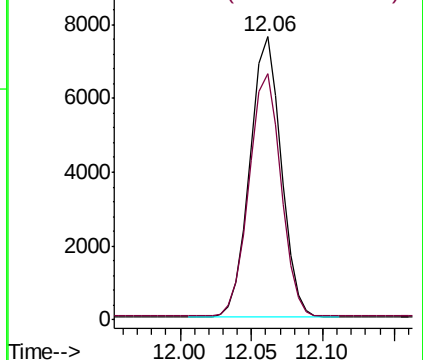
142 100

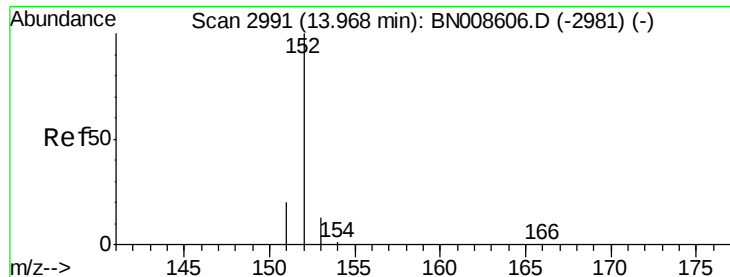
141 88.1 70.5 105.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.090 ng/ul

RT: 13.97 min Scan# 2992

Delta R.T. 0.00 min

Lab File: BN008614.D

Acq: 18 Nov 2019 21:19

Instrument :

BNA_N

ClientSampleId :

JLM99

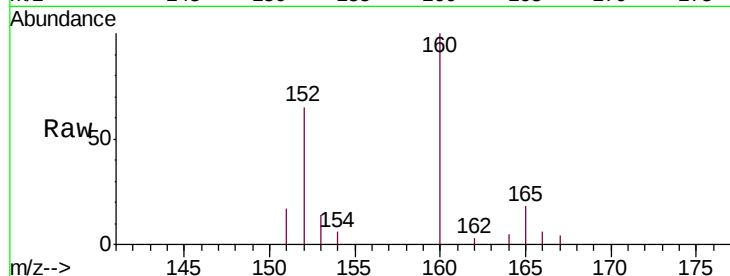
Tgt Ion:152 Resp: 3403

Ion Ratio Lower Upper

152 100

151 26.5 16.6 24.8#

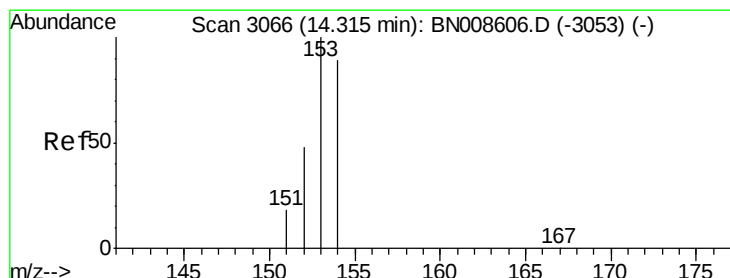
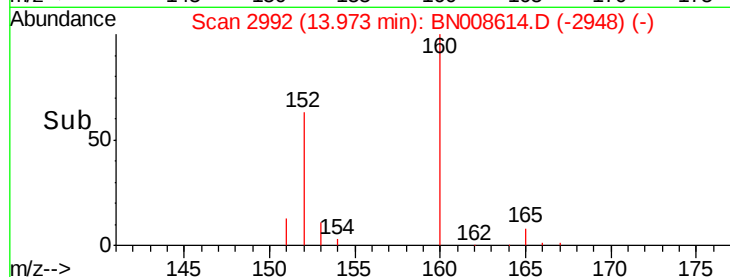
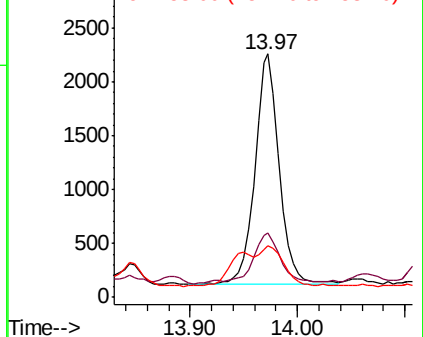
153 21.2 11.1 16.7#



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: 0.051 ng/ul

RT: 14.32 min Scan# 3066

Delta R.T. -0.00 min

Lab File: BN008614.D

Acq: 18 Nov 2019 21:19

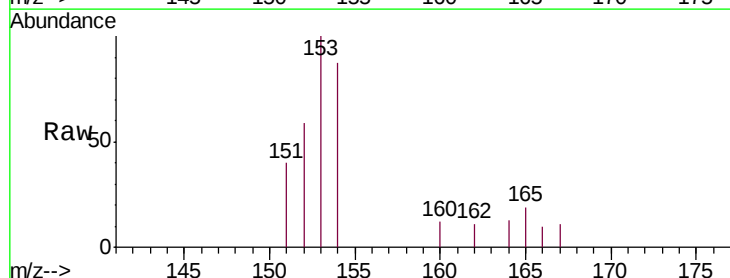
Tgt Ion:153 Resp: 1445

Ion Ratio Lower Upper

153 100

152 58.9 39.6 59.4

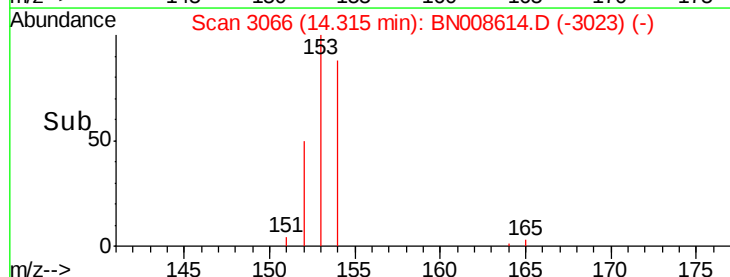
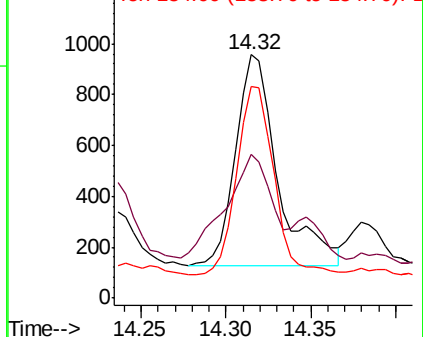
154 86.8 70.6 106.0

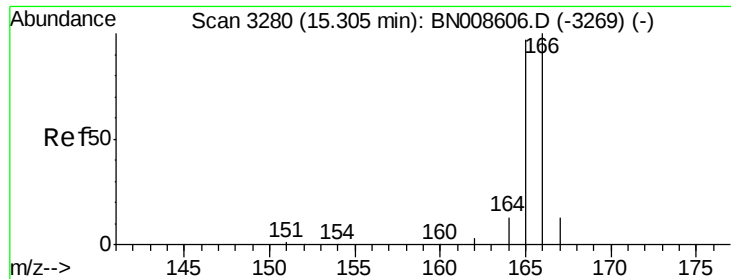


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.059 ng/ul

RT: 15.31 min Scan# 3280

Delta R.T. -0.00 min

Lab File: BN008614.D

Acq: 18 Nov 2019 21:19

Instrument :

BNA_N

ClientSampleId :

JLM99

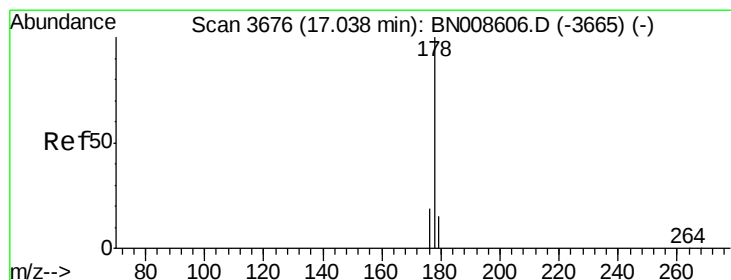
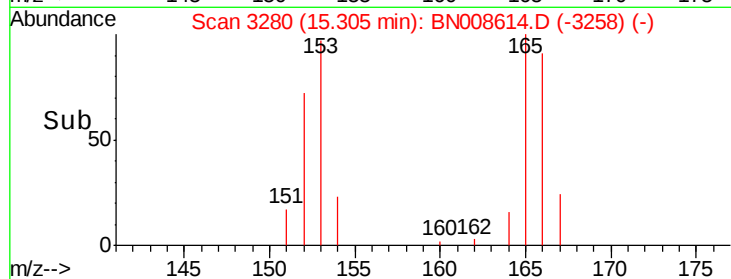
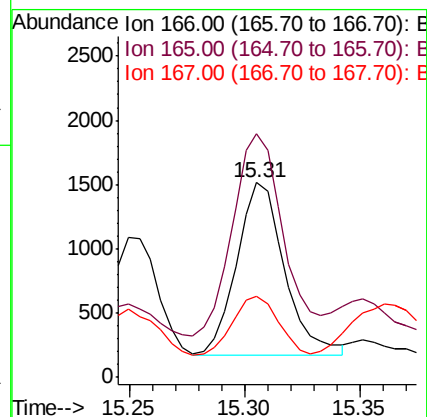
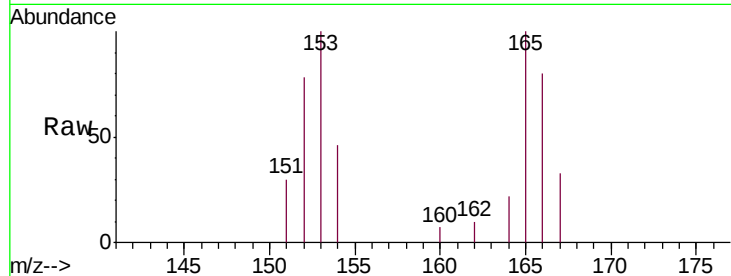
Tgt Ion:166 Resp: 1944

Ion Ratio Lower Upper

166 100

165 125.0 77.4 116.0#

167 41.7 11.4 17.0#



#12

Phenanthrene

Concen: 0.439 ng/ul

RT: 17.04 min Scan# 3676

Delta R.T. -0.00 min

Lab File: BN008614.D

Acq: 18 Nov 2019 21:19

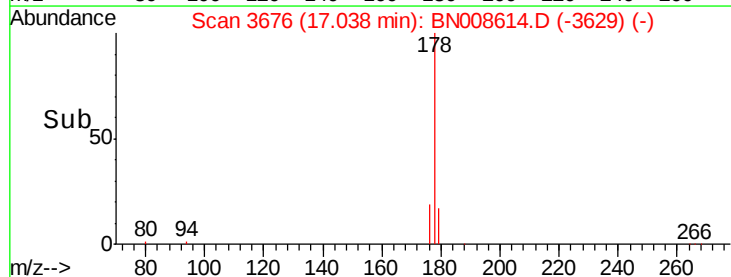
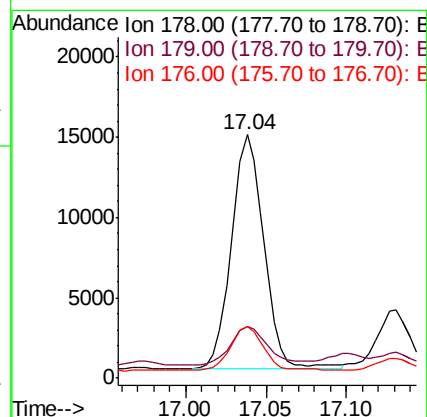
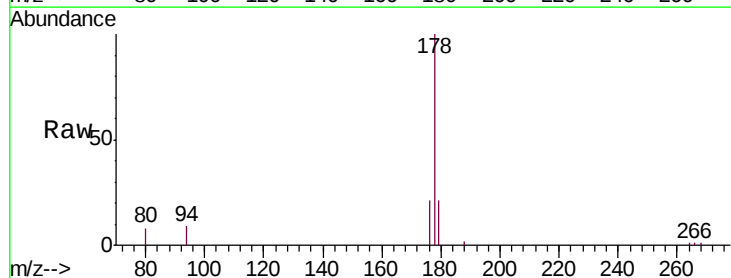
Tgt Ion:178 Resp: 20206

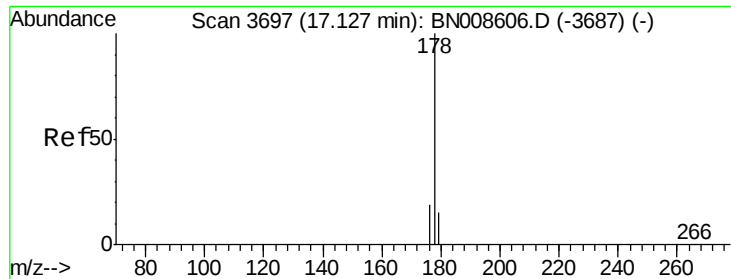
Ion Ratio Lower Upper

178 100

179 21.3 12.8 19.2#

176 21.3 16.0 24.0





#13

Anthracene

Concen: 0.113 ng/ul

RT: 17.13 min Scan# 3698

Delta R.T. 0.00 min

Lab File: BN008614.D

Acq: 18 Nov 2019 21:19

Instrument :

BNA_N

ClientSampleId :

JLM99

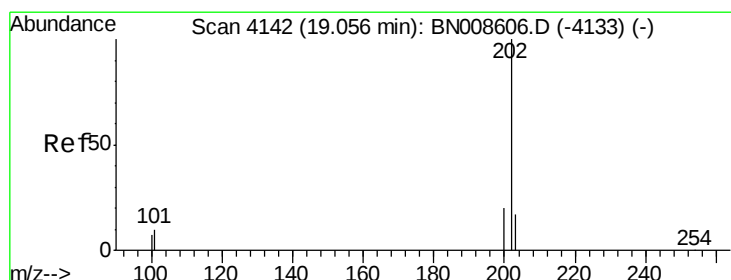
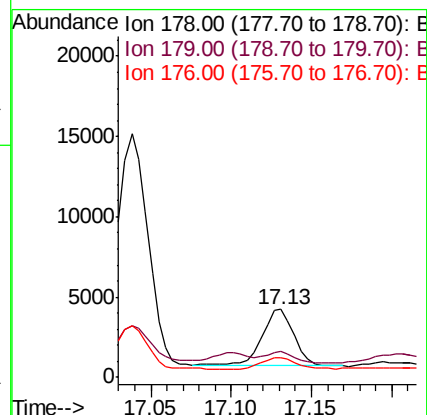
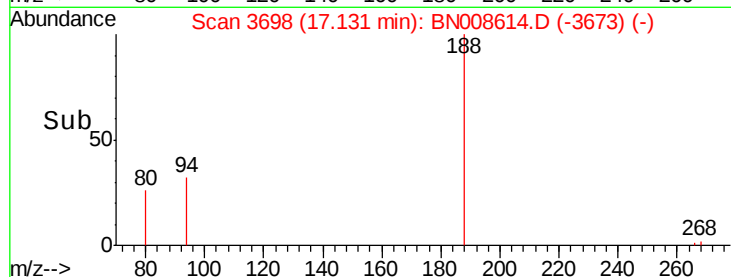
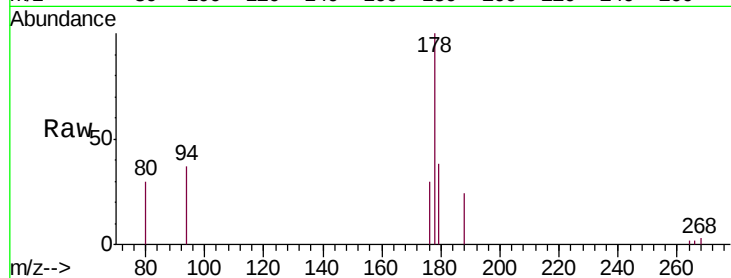
Tgt Ion:178 Resp: 4938

Ion Ratio Lower Upper

178 100

179 37.6 13.0 19.4#

176 29.6 15.3 22.9#



#15

Fluoranthene

Concen: 0.417 ng/ul

RT: 19.06 min Scan# 4143

Delta R.T. 0.00 min

Lab File: BN008614.D

Acq: 18 Nov 2019 21:19

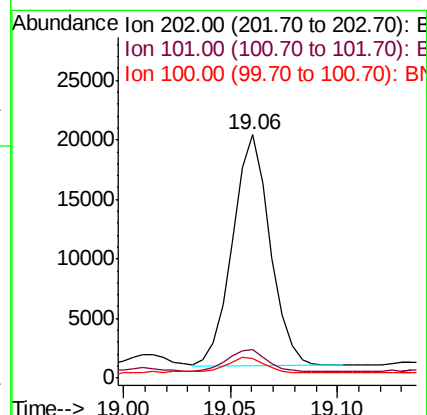
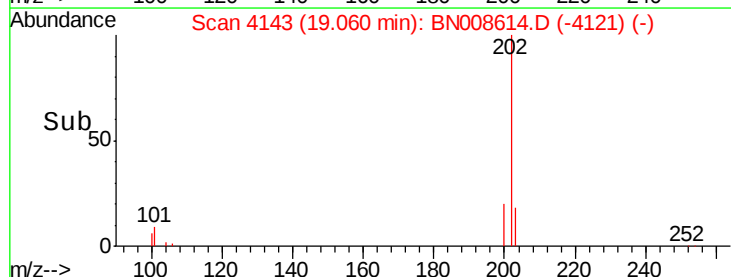
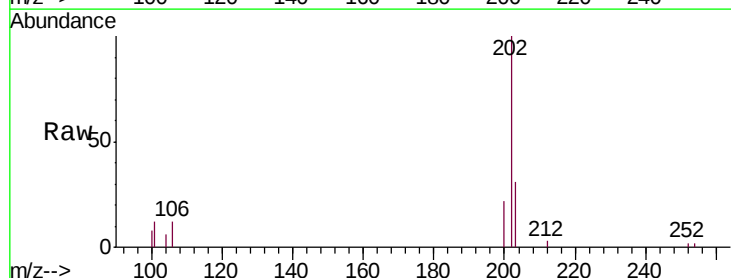
Tgt Ion:202 Resp: 23575

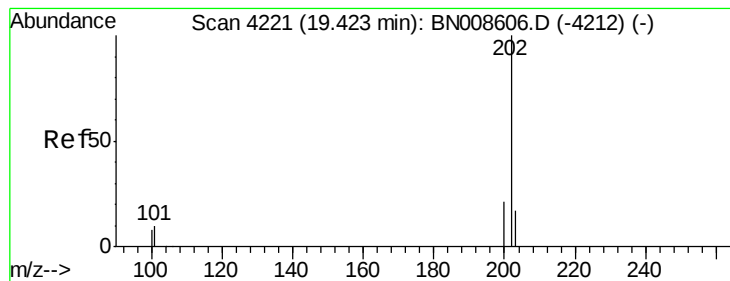
Ion Ratio Lower Upper

202 100

101 11.6 0.0 29.6

100 7.9 0.0 27.0





#17

Pyrene

Concen: 0.757 ng/ul

RT: 19.42 min Scan# 4221

Delta R.T. -0.00 min

Lab File: BN008614.D

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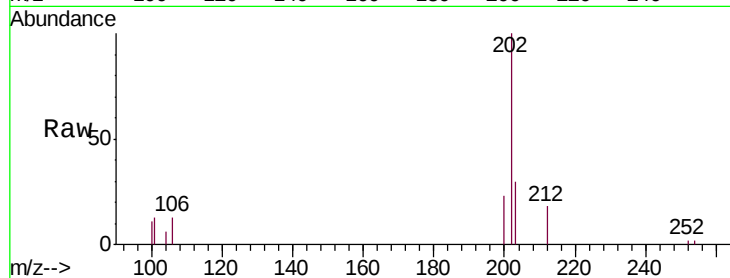
Tgt Ion:202 Resp: 31602

Ion Ratio Lower Upper

202 100

101 13.2 10.2 15.2

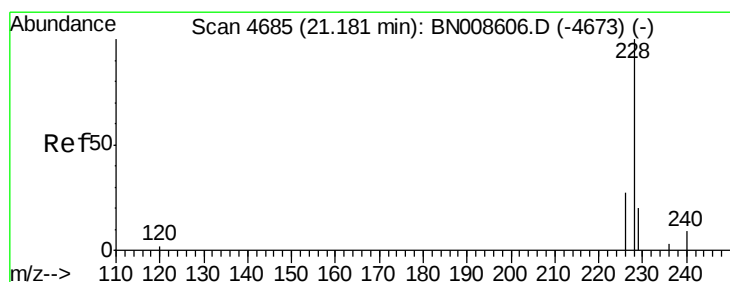
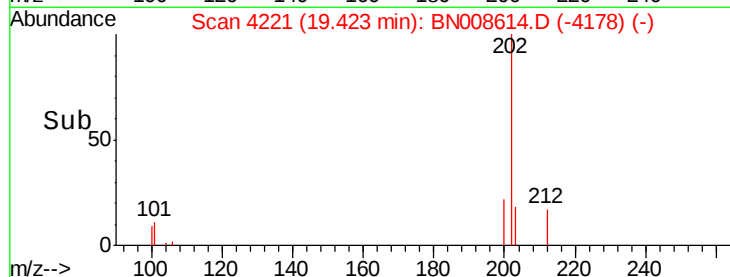
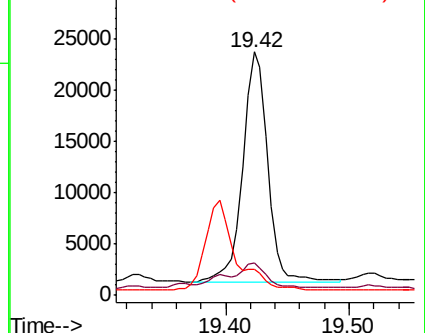
100 10.6 8.2 12.2



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



#18

Benzo(a)anthracene

Concen: 0.274 ng/ul

RT: 21.18 min Scan# 4684

Delta R.T. -0.00 min

Lab File: BN008614.D

Acq: 18 Nov 2019 21:19

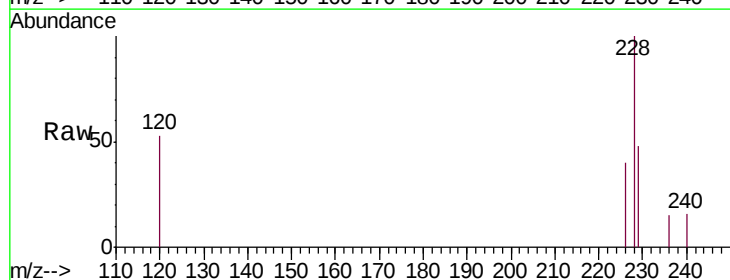
Tgt Ion:228 Resp: 11477

Ion Ratio Lower Upper

228 100

229 48.1 15.8 23.6#

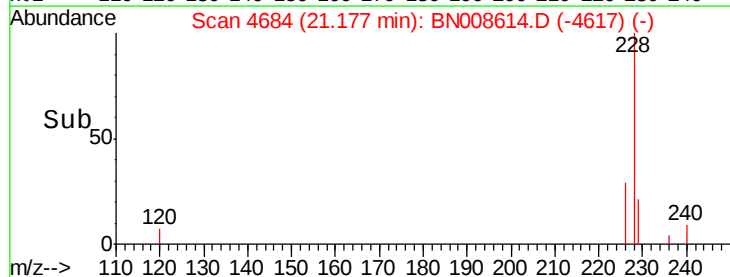
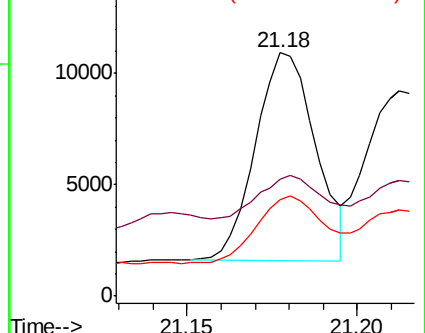
226 39.7 21.6 32.4#

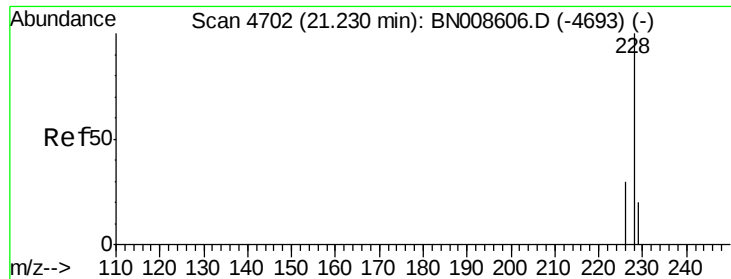


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.575 ng/ul

RT: 21.23 min Scan# 4702

Delta R.T. -0.00 min

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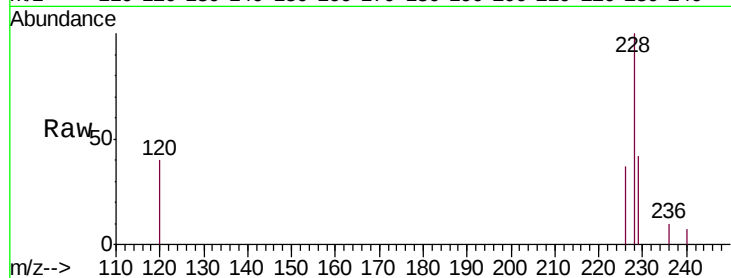
Tgt Ion:228 Resp: 23632

Ion Ratio Lower Upper

228 100

226 37.1 24.5 36.7#

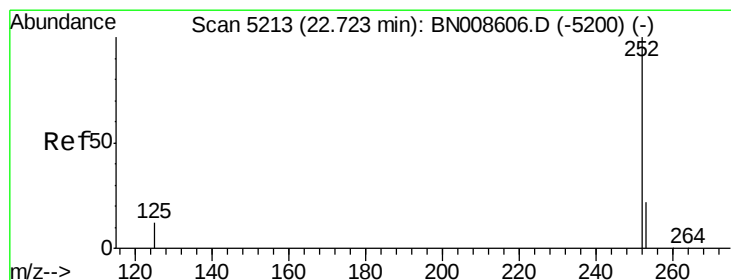
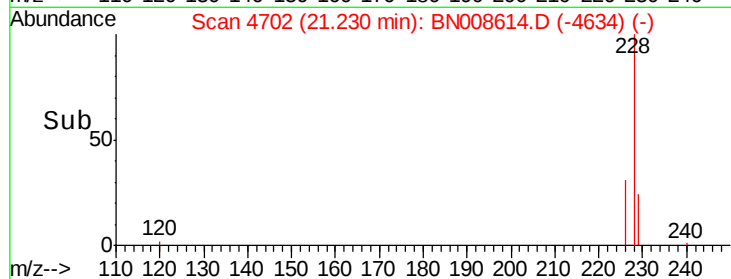
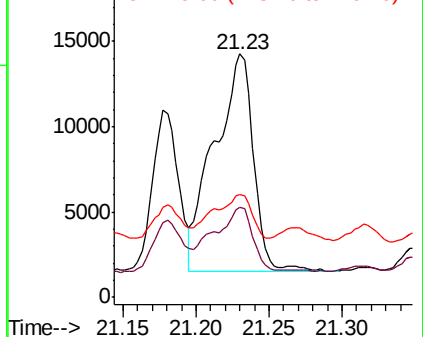
229 42.2 15.5 23.3#



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: 0.631 ng/ul

RT: 22.73 min Scan# 5215

Delta R.T. 0.01 min

Lab File: BN008614.D

Acq: 18 Nov 2019 21:19

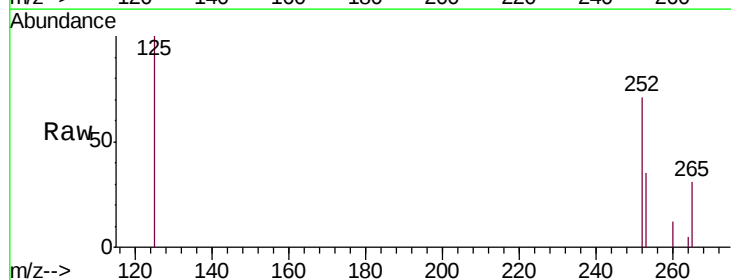
Tgt Ion:252 Resp: 29958

Ion Ratio Lower Upper

252 100

253 49.3 0.0 50.2

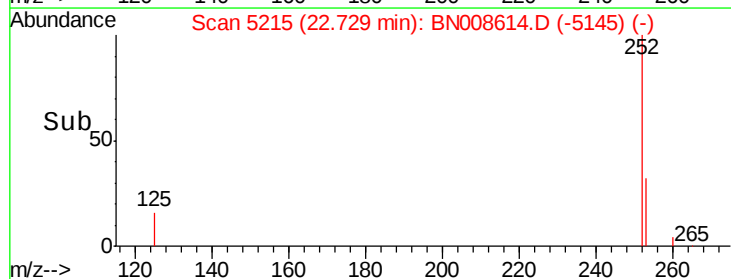
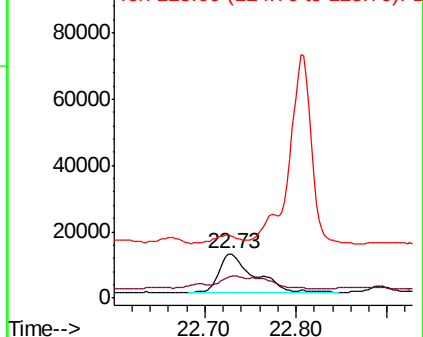
125 140.8 0.0 30.0#

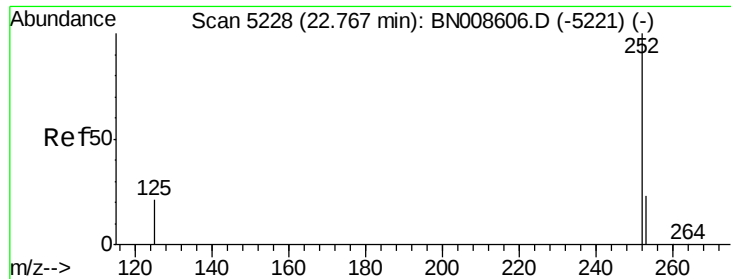


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.636 ng/ul

RT: 22.73 min Scan# 5215

Delta R.T. -0.04 min

Lab File: BN008614.D

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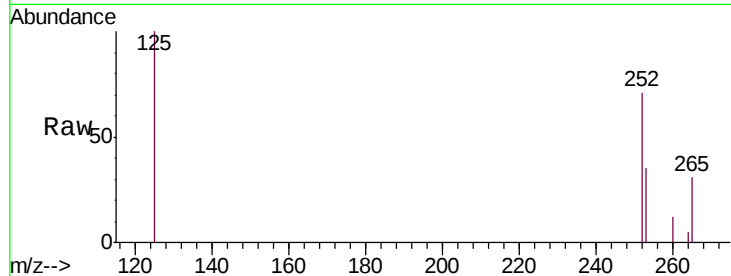
Tgt Ion:252 Resp: 29958

Ion Ratio Lower Upper

252 100

253 49.3 20.5 30.7#

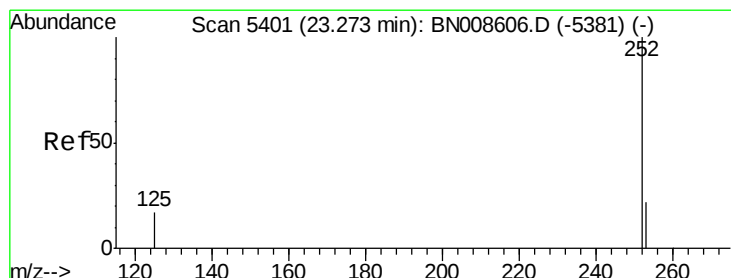
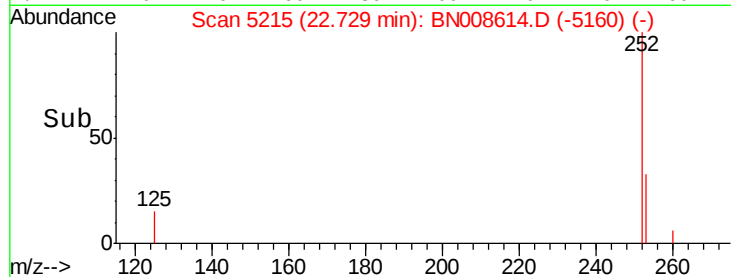
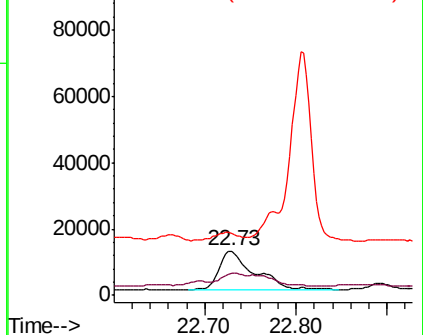
125 140.8 15.0 22.4#



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



#23

Benzo(a)pyrene

Concen: 0.340 ng/ul

RT: 23.28 min Scan# 5403

Delta R.T. 0.01 min

Lab File: BN008614.D

Acq: 18 Nov 2019 21:19

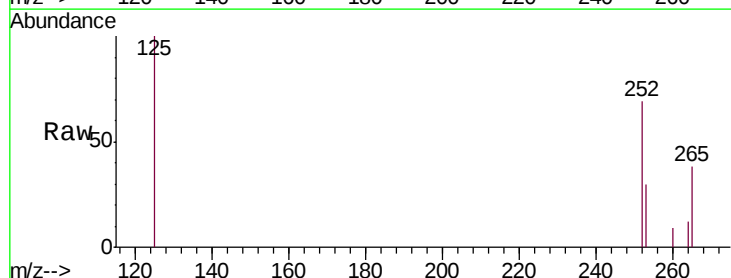
Tgt Ion:252 Resp: 15163

Ion Ratio Lower Upper

252 100

253 43.6 21.4 32.2#

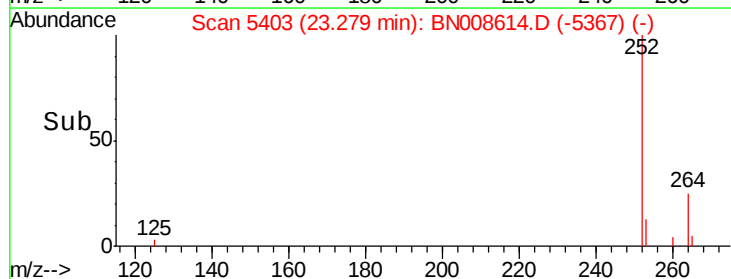
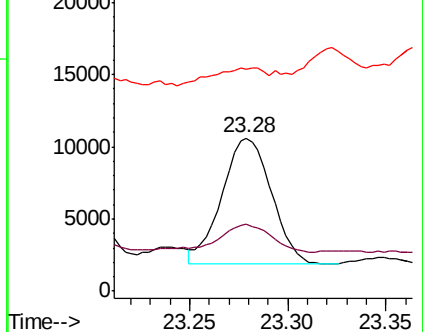
125 145.2 13.8 20.8#

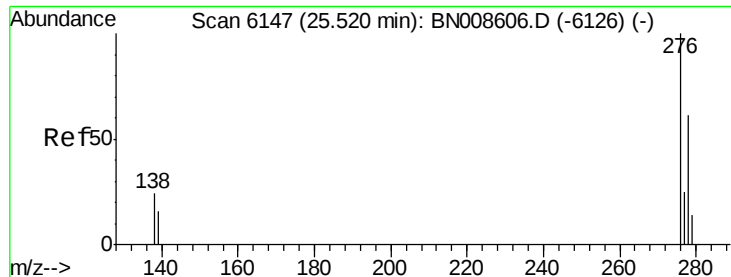


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.232 ng/ul

RT: 25.53 min Scan# 6149

Delta R.T. 0.01 min

Lab File: BN008614.D

Acq: 18 Nov 2019 21:19

Instrument :

BNA_N

ClientSampleId :

JLM99

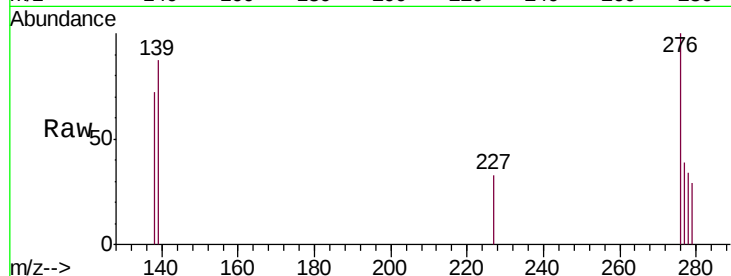
Tgt Ion:276 Resp: 12111

Ion Ratio Lower Upper

276 100

138 25.1 21.7 32.5

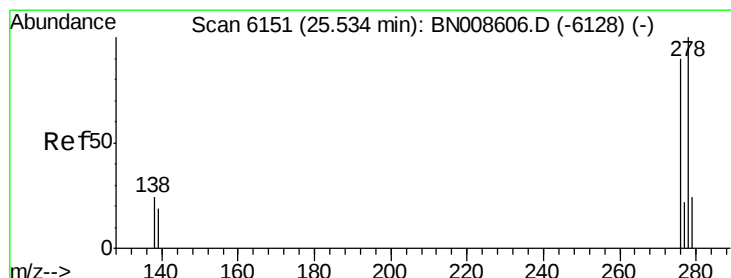
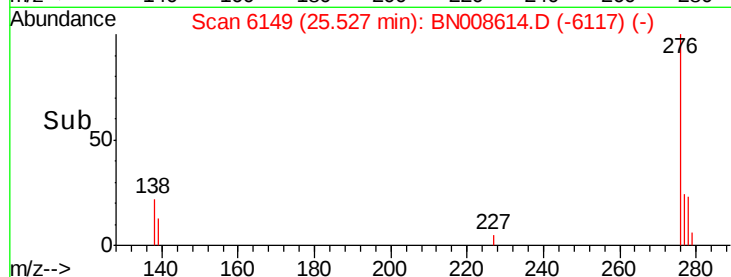
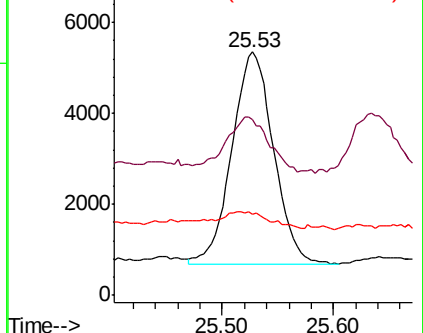
227 7.8 0.2 0.2#



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: 0.092 ng/ul

RT: 25.54 min Scan# 6152

Delta R.T. 0.00 min

Lab File: BN008614.D

Acq: 18 Nov 2019 21:19

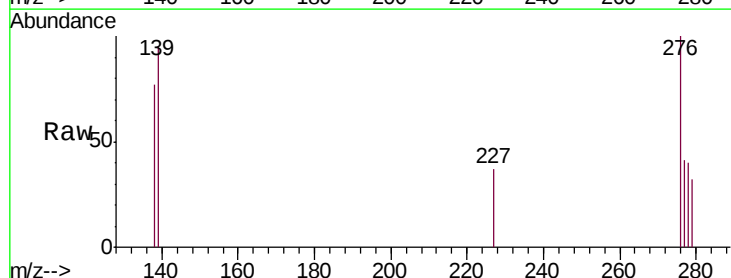
Tgt Ion:278 Resp: 3878

Ion Ratio Lower Upper

278 100

139 239.0 18.7 28.1#

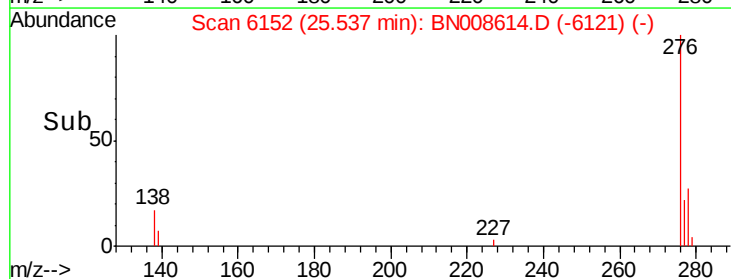
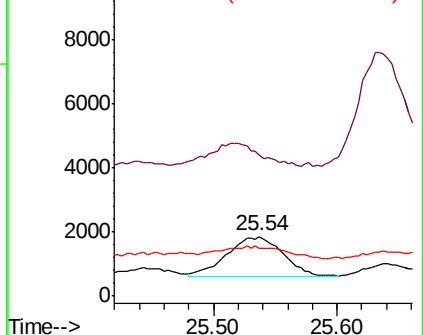
279 80.5 20.8 31.2#

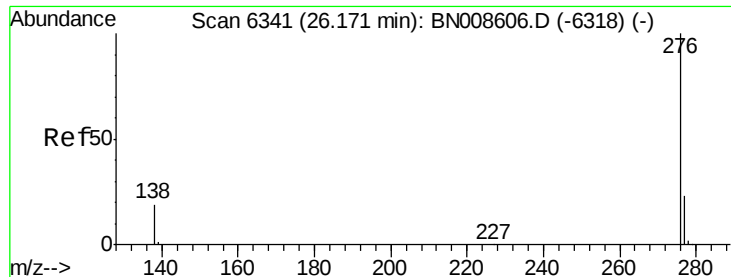


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.371 ng/ul

RT: 26.18 min Scan# 6344

Delta R.T. 0.01 min

Lab File: BN008614.D

Acq: 18 Nov 2019 21:19

Instrument :

BNA_N

ClientSampleId :

JLM99

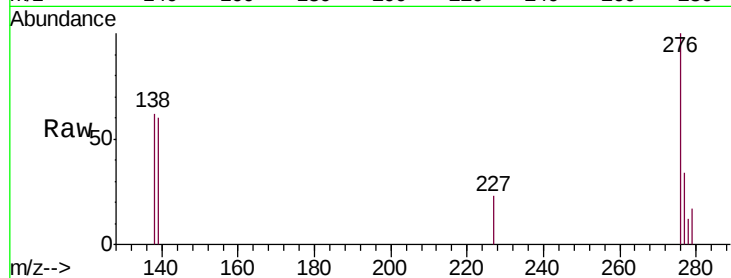
Tgt Ion: 276 Resp: 16168

Ion Ratio Lower Upper

276 100

138 62.2 20.0 30.0#

277 34.5 20.0 30.0#



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

