

Data File : BN008616.D
Acq On : 18 Nov 2019 22:31
Operator : JU
Sample : K5678-16
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
JLMA1

Quant Time: Nov 19 01:52:26 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	3240	0.40	ng/ul	0.00
2) Naphthalene-d8	10.39	136	11760	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.26	164	7743	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.00	188	13828	0.40	ng/ul	0.00
16) Chrysene-d12	21.19	240	10679	0.40	ng/ul	0.00
20) Perylene-d12	23.37	264	12271	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.98	152	3816	0.20	ng/ul	0.00
14) Fluoranthene-d10	19.03	212	8838	0.21	ng/ul	0.00

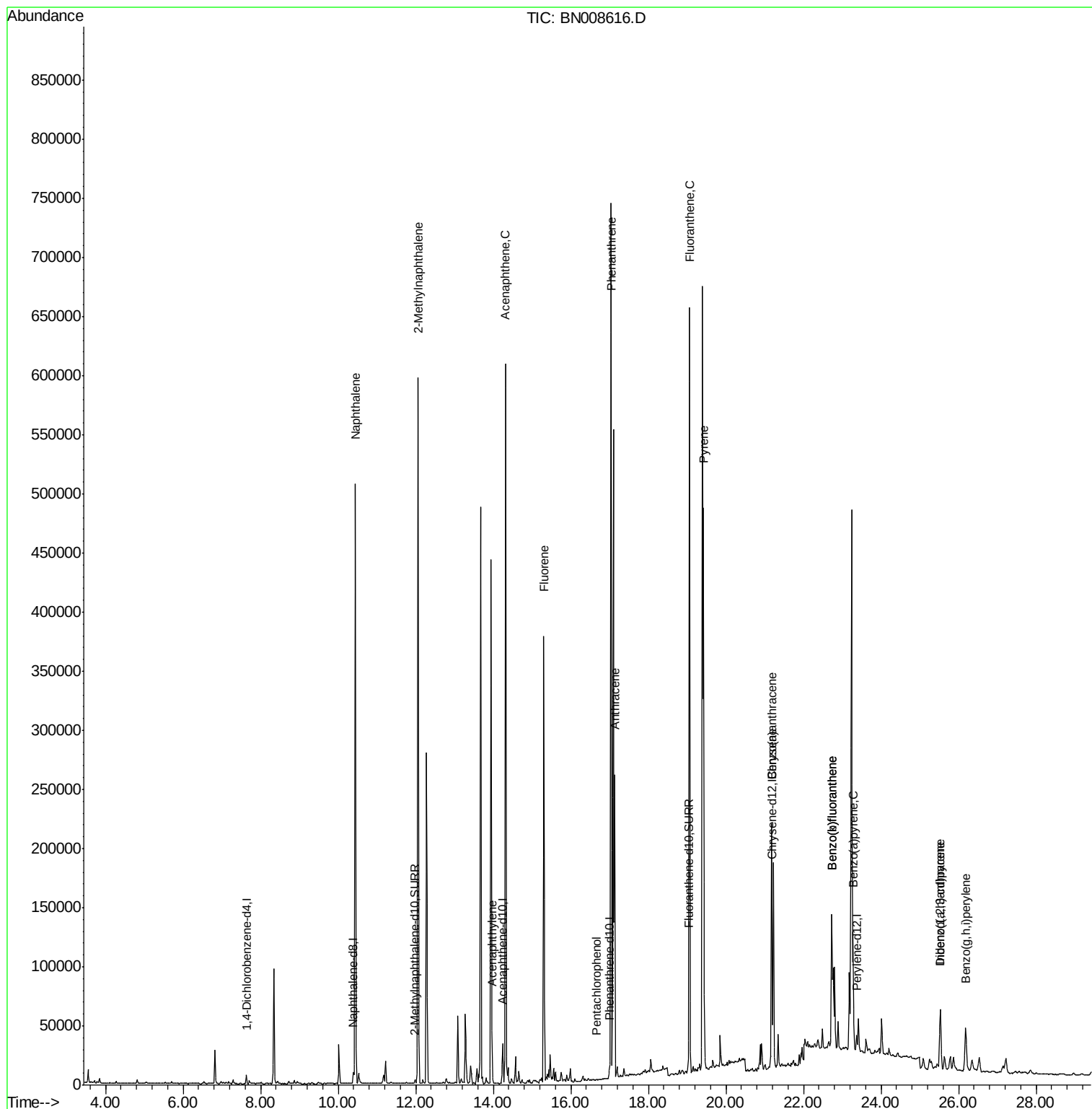
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.44	128	679223	19.159	ng/ul	98
5) 2-Methylnaphthalene	12.06	142	403394	16.295	ng/ul	100
7) Acenaphthylene	13.97	152	6740	0.157	ng/ul#	80
8) Acenaphthene	14.32	153	347285	10.932	ng/ul	99
9) Fluorene	15.31	166	230242	6.172	ng/ul	99
11) Pentachlorophenol	16.65	266	210	0.040	ng/ul#	75
12) Phenanthrene	17.04	178	787574	16.888	ng/ul	98
13) Anthracene	17.13	178	256723	5.826	ng/ul	99
15) Fluoranthene	19.06	202	566677	9.891	ng/ul	100
17) Pyrene	19.42	202	411168	9.597	ng/ul	97
18) Benzo(a)anthracene	21.18	228	174240	4.057	ng/ul	96
19) Chrysene	21.18	228	174240	4.131	ng/ul	95
21) Benzo(b)fluoranthene	22.73	252	238453	4.712	ng/ul#	83
22) Benzo(k)fluoranthene	22.73	252	238453	4.752	ng/ul#	87
23) Benzo(a)pyrene	23.28	252	131406	2.767	ng/ul#	89
24) Indeno(1,2,3-cd)pyrene	25.53	276	77975	1.404	ng/ul#	89
25) Dibenzo(a,h)anthracene	25.54	278	19876	0.443	ng/ul#	33
26) Benzo(g,h,i)perylene	26.18	276	73617	1.584	ng/ul#	93

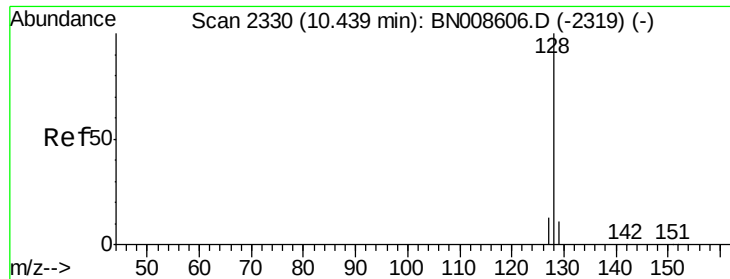
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 19.159 ng/ul

RT: 10.44 min Scan# 2330

Delta R.T. -0.00 min

Lab File: BN008616.D

Acq: 18 Nov 2019 22:31

Instrument :

BNA_N

ClientSampleId :

JLMA1

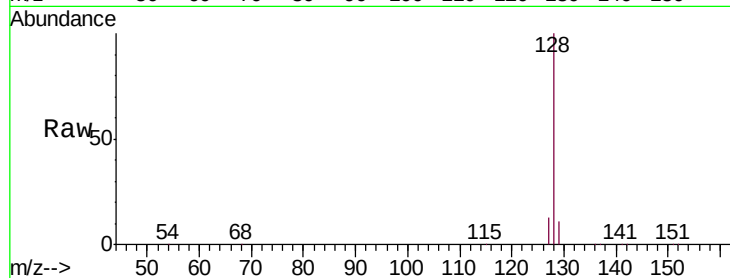
Tgt Ion:128 Resp: 679223

Ion Ratio Lower Upper

128 100

129 10.9 9.7 14.5

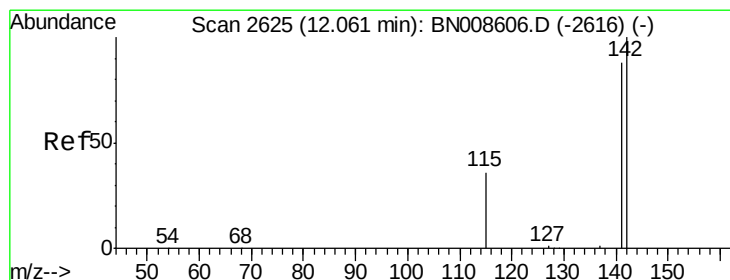
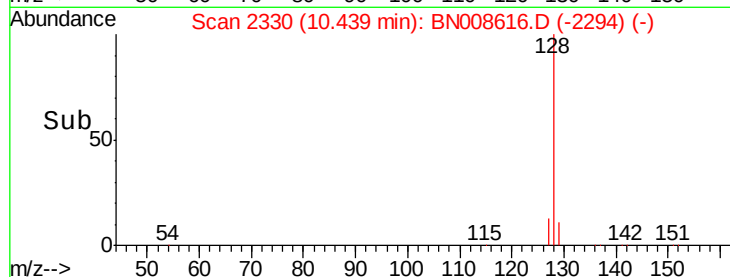
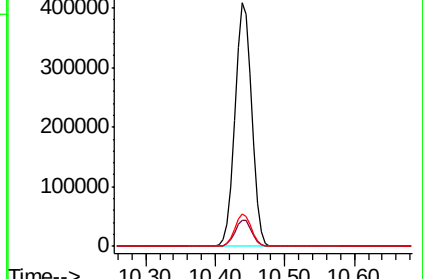
127 13.2 10.8 16.2



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: 16.295 ng/ul

RT: 12.06 min Scan# 2625

Delta R.T. -0.00 min

Lab File: BN008616.D

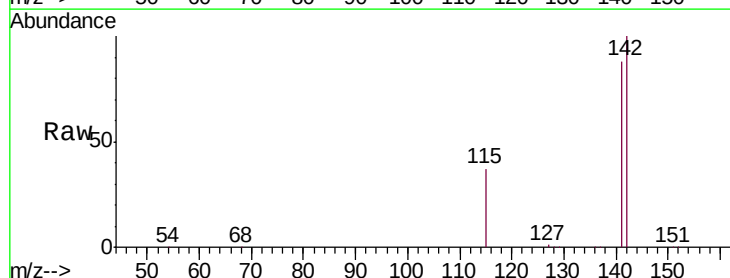
Acq: 18 Nov 2019 22:31

Tgt Ion:142 Resp: 403394

Ion Ratio Lower Upper

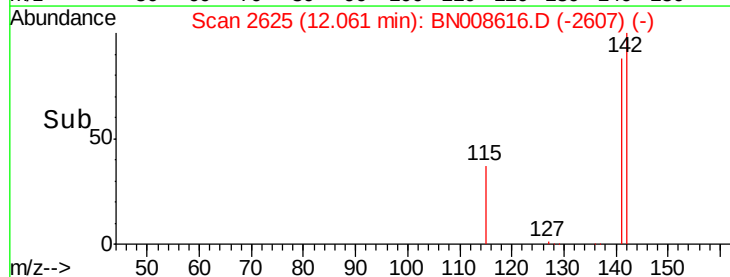
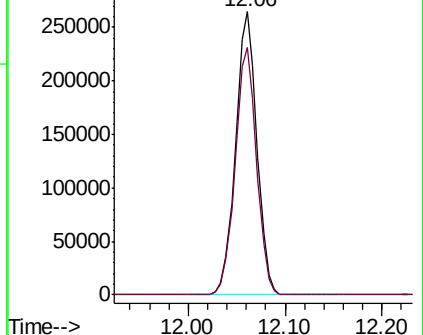
142 100

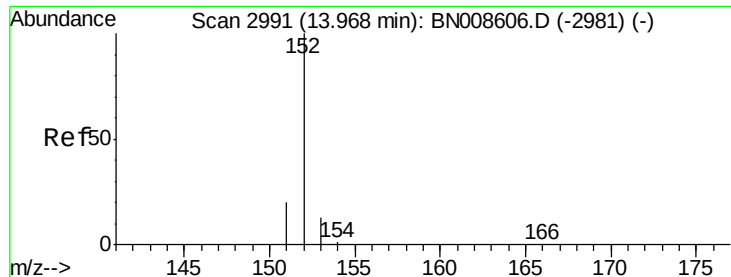
141 88.0 70.5 105.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.157 ng/ul

RT: 13.97 min Scan# 2992

Delta R.T. 0.00 min

Lab File: BN008616.D

Acq: 18 Nov 2019 22:31

Instrument :

BNA_N

ClientSampleId :

JLMA1

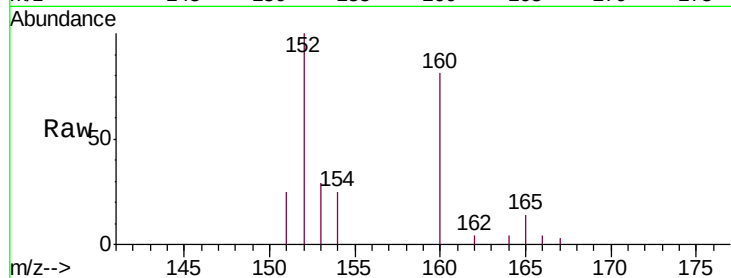
Tgt Ion:152 Resp: 6740

Ion Ratio Lower Upper

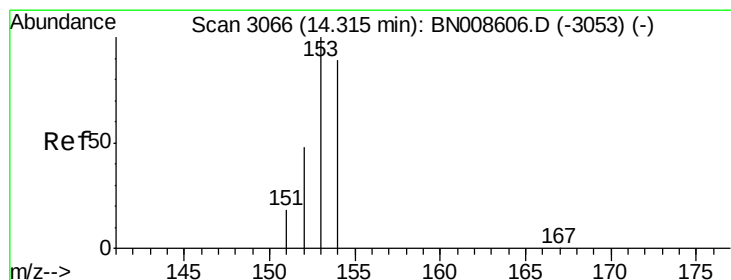
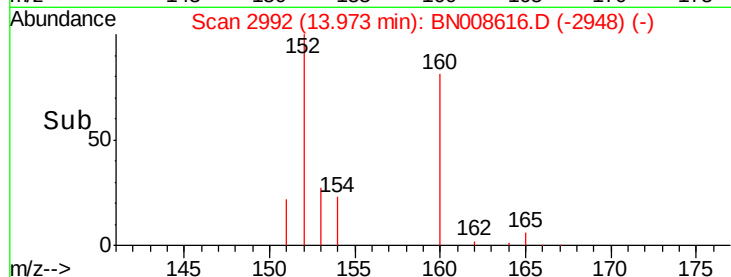
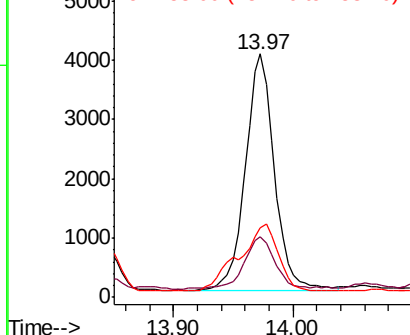
152 100

151 24.9 16.6 24.8#

153 28.7 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: 10.932 ng/ul

RT: 14.32 min Scan# 3066

Delta R.T. -0.00 min

Lab File: BN008616.D

Acq: 18 Nov 2019 22:31

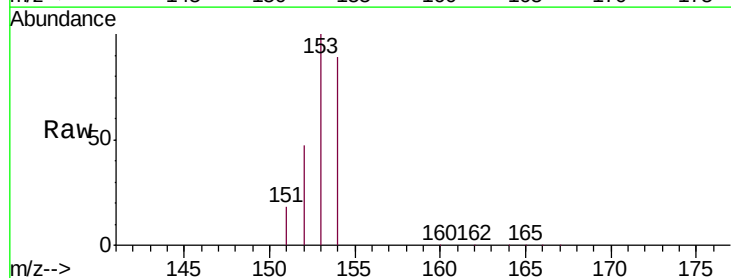
Tgt Ion:153 Resp: 347285

Ion Ratio Lower Upper

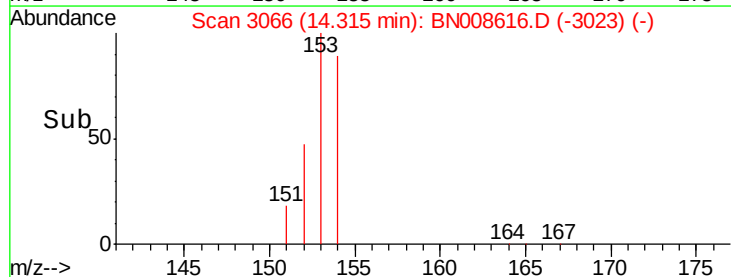
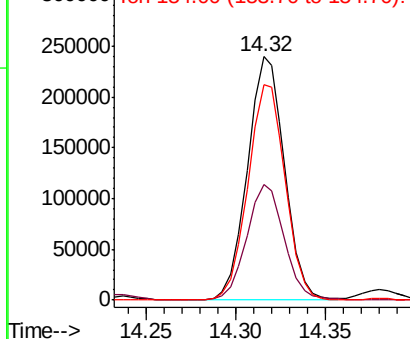
153 100

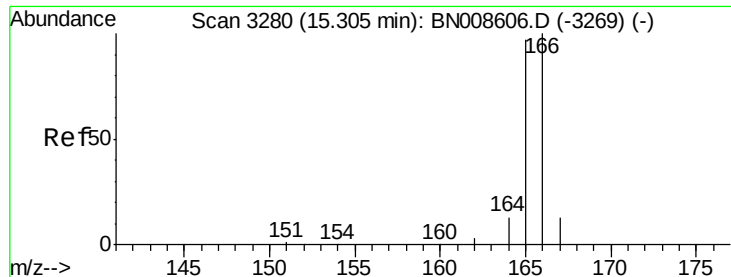
152 47.3 39.6 59.4

154 88.7 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: 6.172 ng/ul

RT: 15.31 min Scan# 3280

Delta R.T. -0.00 min

Lab File: BN008616.D

Acq: 18 Nov 2019 22:31

Instrument :

BNA_N

ClientSampleId :

JLMA1

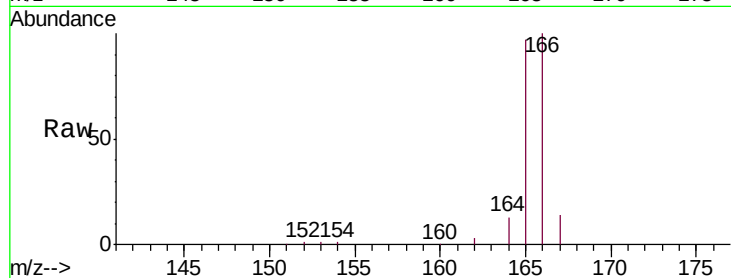
Tgt Ion:166 Resp: 230242

Ion Ratio Lower Upper

166 100

165 97.4 77.4 116.0

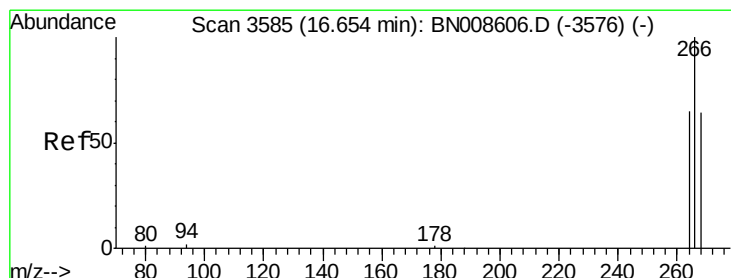
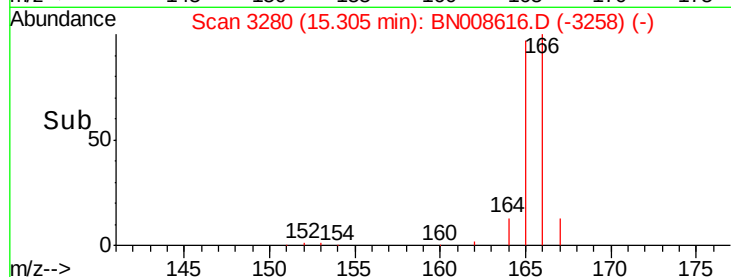
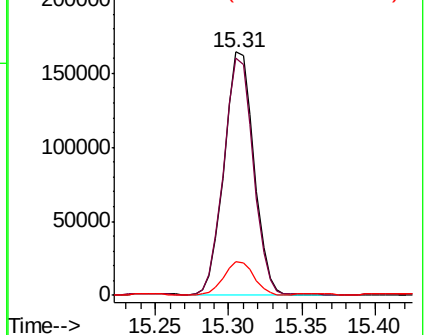
167 13.8 11.4 17.0



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: 0.040 ng/ul

RT: 16.65 min Scan# 3585

Delta R.T. -0.00 min

Lab File: BN008616.D

Acq: 18 Nov 2019 22:31

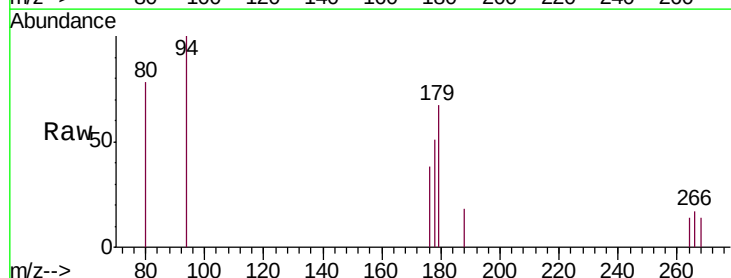
Tgt Ion:266 Resp: 210

Ion Ratio Lower Upper

266 100

264 71.0 49.2 73.8

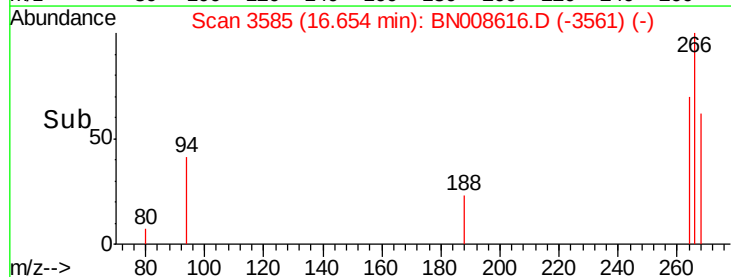
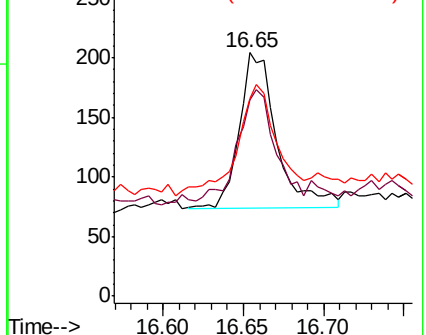
268 92.4 50.9 76.3#

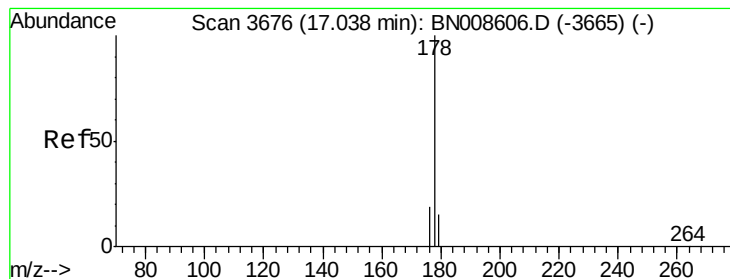


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 16.888 ng/ul

RT: 17.04 min Scan# 3676

Delta R.T. -0.00 min

Lab File: BN008616.D

Acq: 18 Nov 2019 22:31

Instrument :

BNA_N

ClientSampleId :

JLMA1

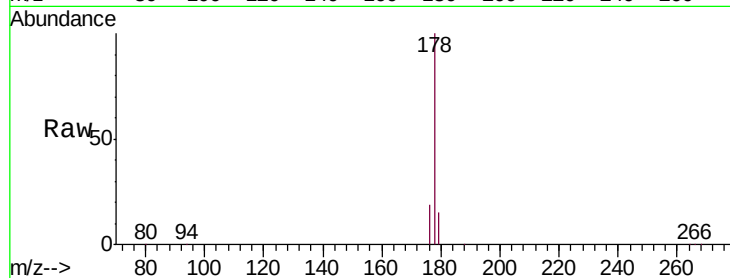
Tgt Ion:178 Resp: 787574

Ion Ratio Lower Upper

178 100

179 15.4 12.8 19.2

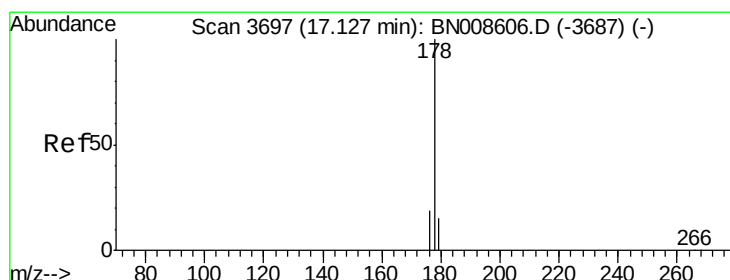
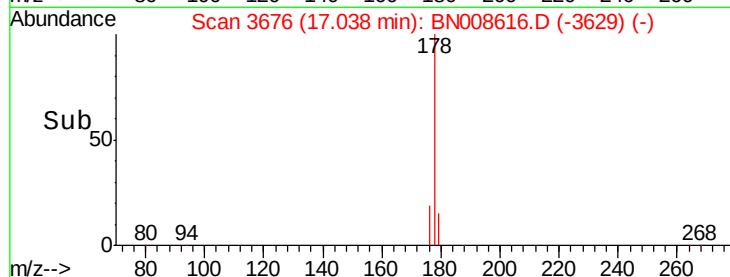
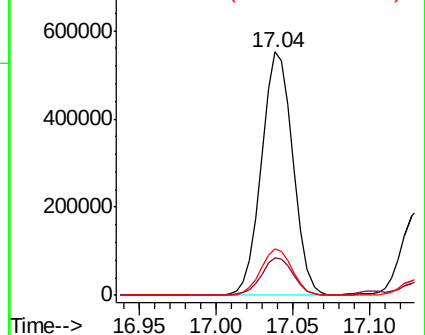
176 19.1 16.0 24.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#13

Anthracene

Concen: 5.826 ng/ul

RT: 17.13 min Scan# 3698

Delta R.T. 0.00 min

Lab File: BN008616.D

Acq: 18 Nov 2019 22:31

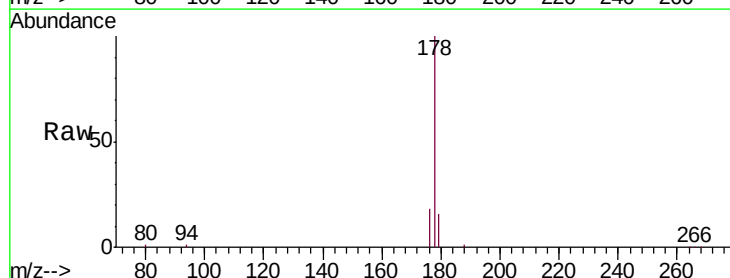
Tgt Ion:178 Resp: 256723

Ion Ratio Lower Upper

178 100

179 15.8 13.0 19.4

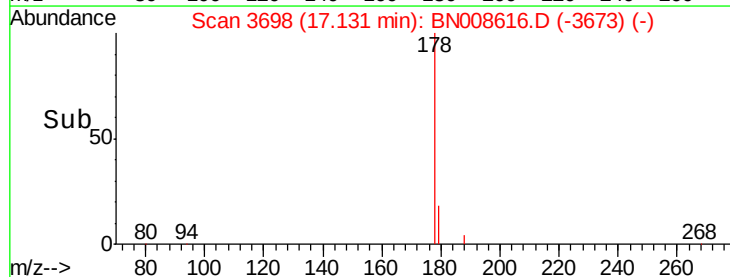
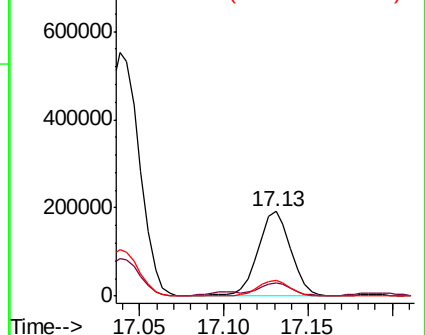
176 18.5 15.3 22.9

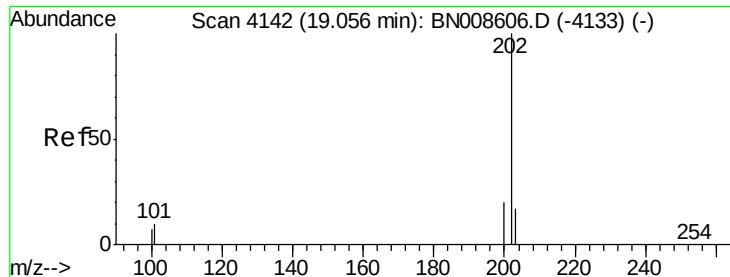


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 9.891 ng/ul

RT: 19.06 min Scan# 4143

Delta R.T. 0.00 min

Lab File: BN008616.D

Acq: 18 Nov 2019 22:31

Instrument :

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ClientSampleId :

JLMA1

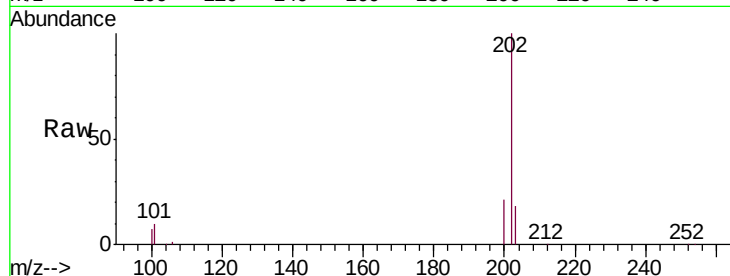
Tgt Ion:202 Resp: 566677

Ion Ratio Lower Upper

202 100

101 9.5 0.0 29.6

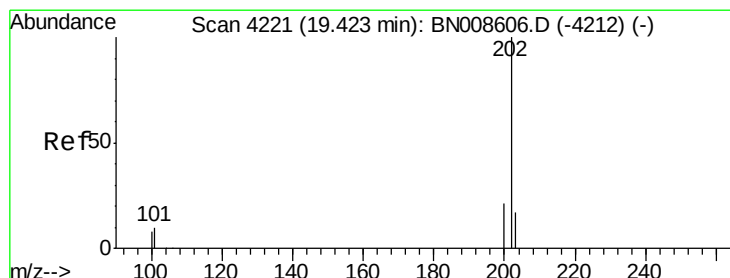
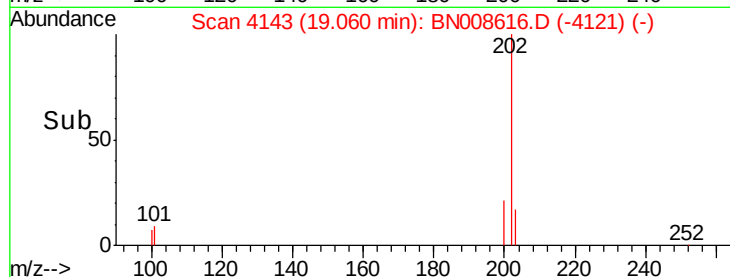
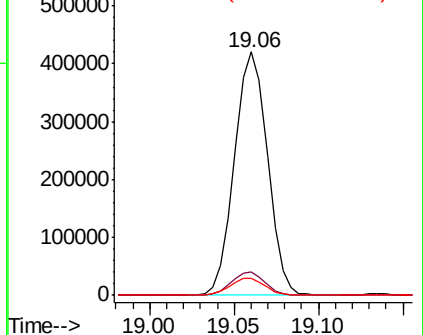
100 7.1 0.0 27.0



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: 9.597 ng/ul

RT: 19.42 min Scan# 4221

Delta R.T. -0.00 min

Lab File: BN008616.D

Acq: 18 Nov 2019 22:31

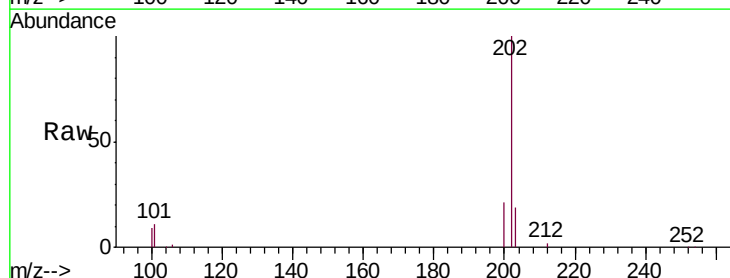
Tgt Ion:202 Resp: 411168

Ion Ratio Lower Upper

202 100

101 11.4 10.2 15.2

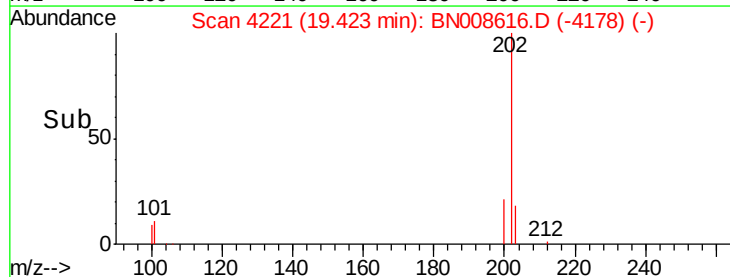
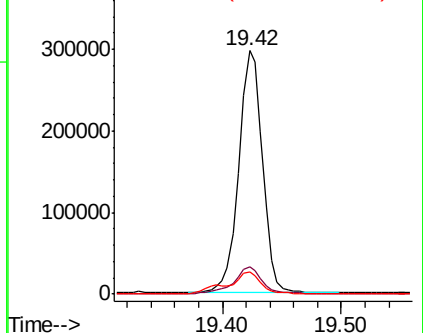
100 9.2 8.2 12.2

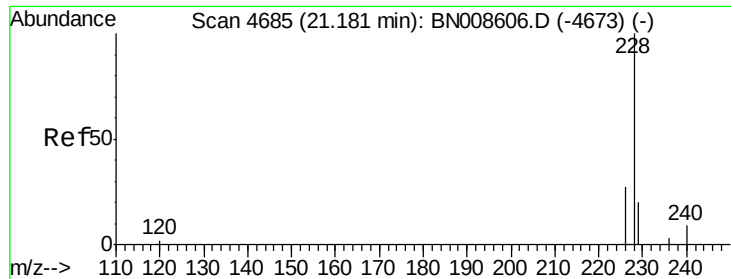


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 4.057 ng/ul

RT: 21.18 min Scan# 4685

Delta R.T. -0.00 min

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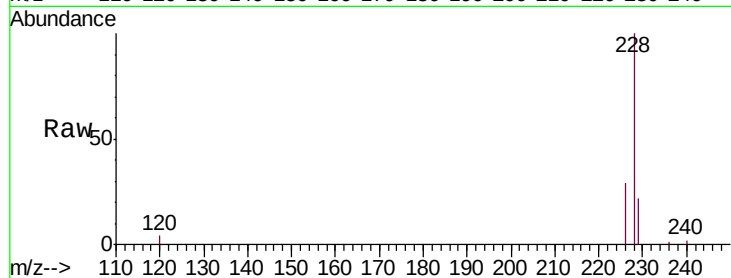
Tgt Ion:228 Resp: 174240

Ion Ratio Lower Upper

228 100

229 22.3 15.8 23.6

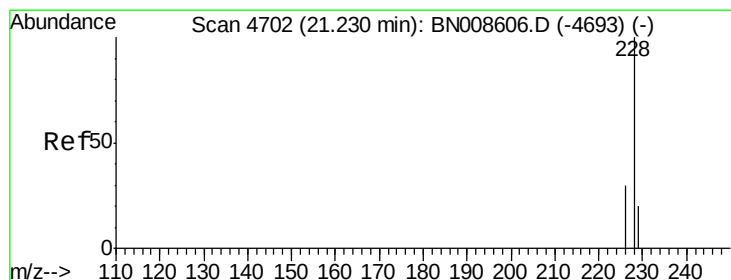
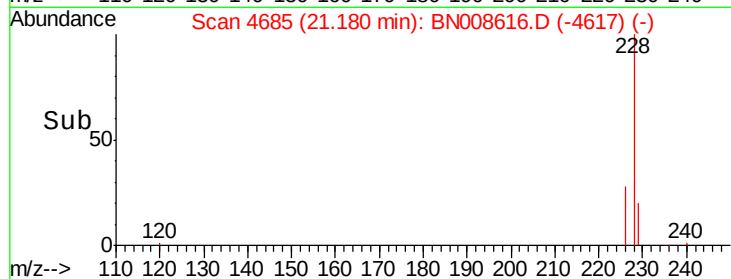
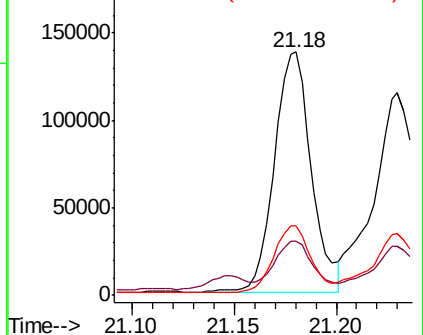
226 28.5 21.6 32.4



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: 4.131 ng/ul

RT: 21.18 min Scan# 4685

Delta R.T. -0.05 min

Lab File: BN008616.D

Acq: 18 Nov 2019 22:31

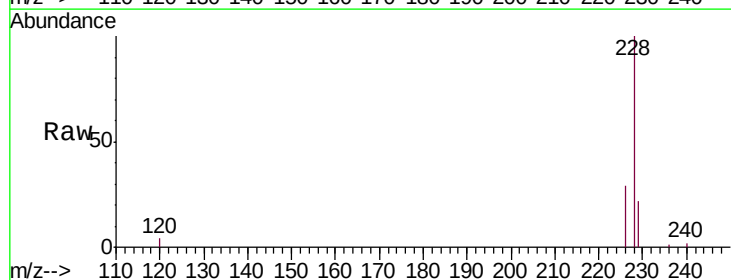
Tgt Ion:228 Resp: 174240

Ion Ratio Lower Upper

228 100

226 28.5 24.5 36.7

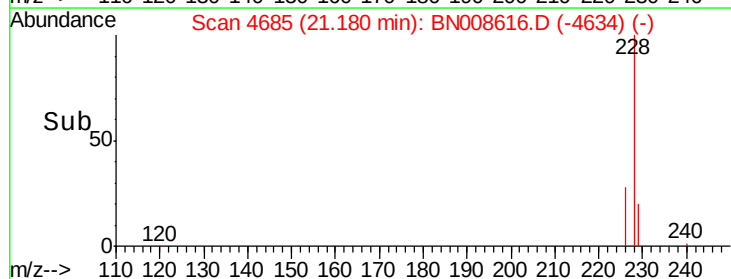
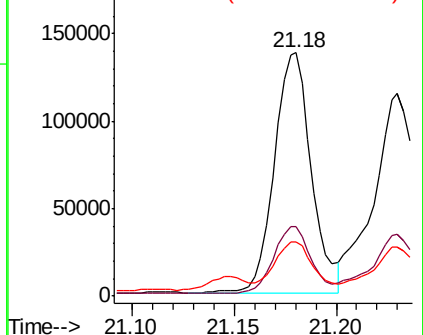
229 22.3 15.5 23.3

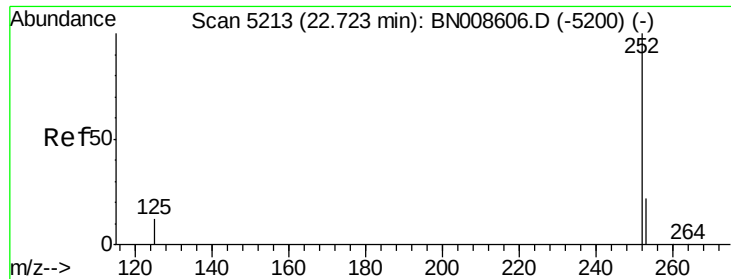


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 4.712 ng/ul

RT: 22.73 min Scan# 5215

Delta R.T. 0.01 min

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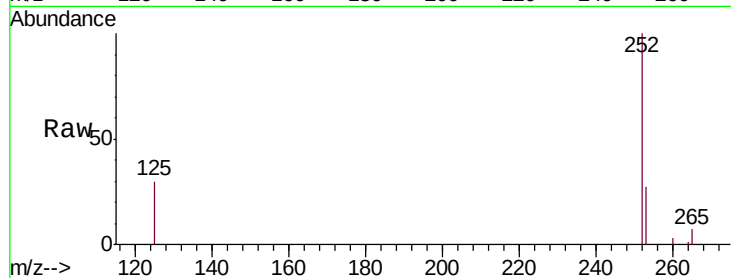
Tgt Ion:252 Resp: 238453

Ion Ratio Lower Upper

252 100

253 27.5 0.0 50.2

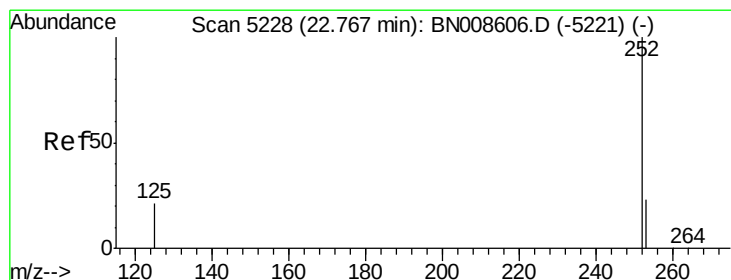
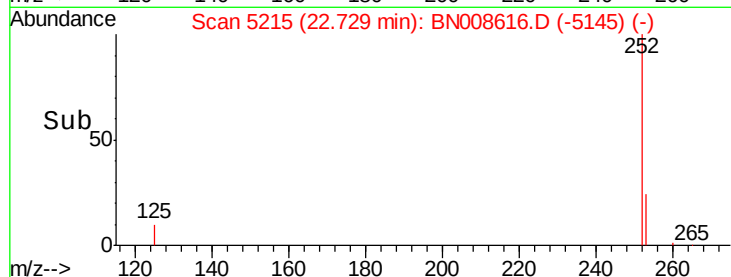
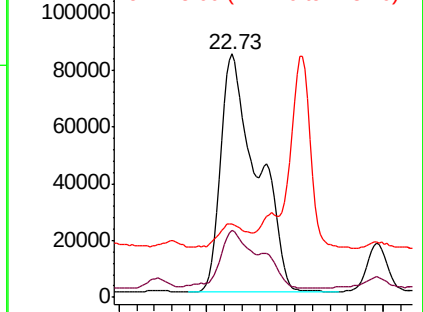
125 30.3 0.0 30.0#



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: 4.752 ng/ul

RT: 22.73 min Scan# 5215

Delta R.T. -0.04 min

Lab File: BN008616.D

Acq: 18 Nov 2019 22:31

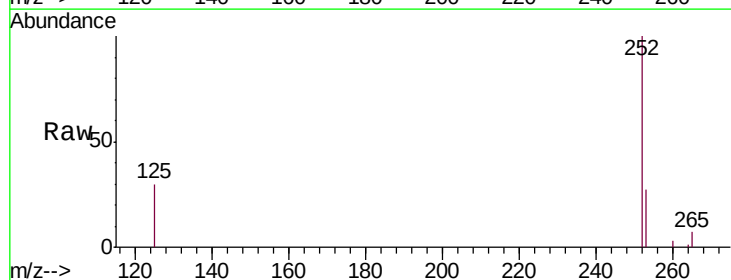
Tgt Ion:252 Resp: 238453

Ion Ratio Lower Upper

252 100

253 27.5 20.5 30.7

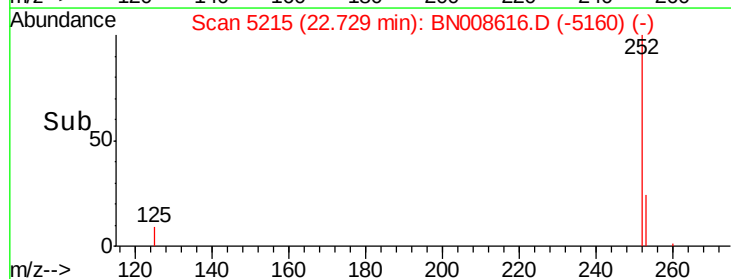
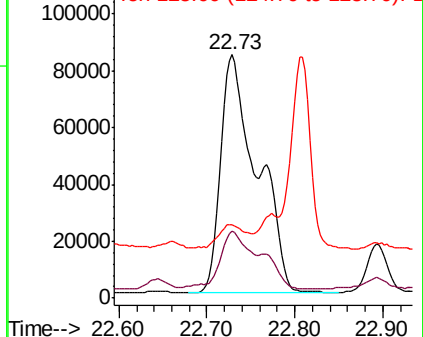
125 30.3 15.0 22.4#

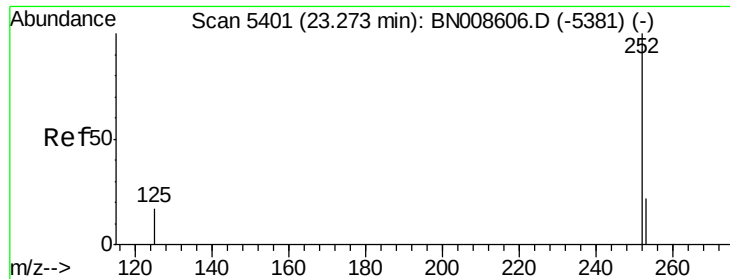


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 2.767 ng/ul

RT: 23.28 min Scan# 5403

Delta R.T. 0.01 min

Lab File: BN008616.D

Acq: 18 Nov 2019 22:31

Instrument :

BNA_N

ClientSampleId :

JLMA1

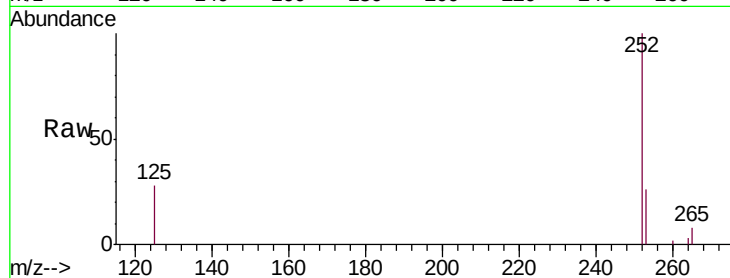
Tgt Ion:252 Resp: 131406

Ion Ratio Lower Upper

252 100

253 25.5 21.4 32.2

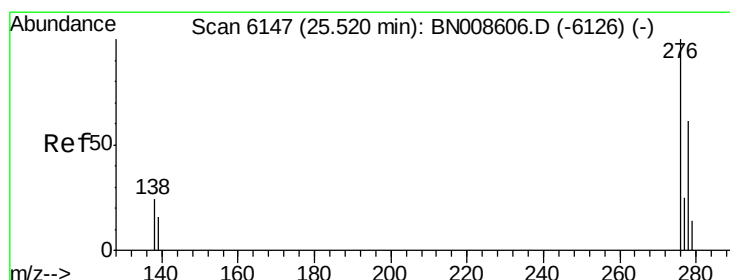
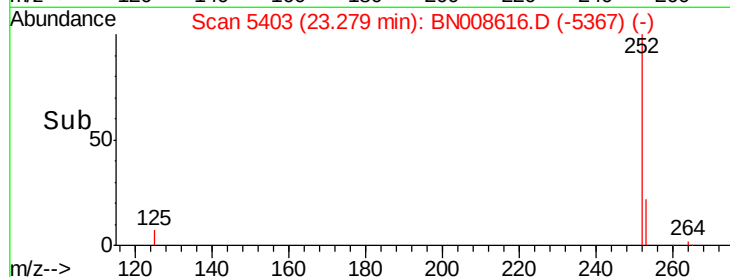
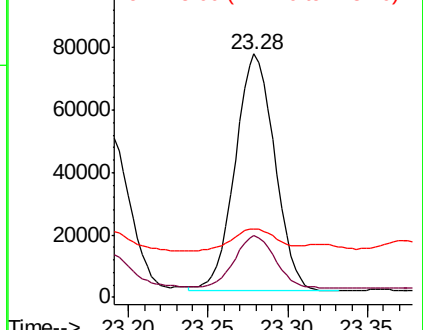
125 28.3 13.8 20.8#



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: 1.404 ng/ul

RT: 25.53 min Scan# 6150

Delta R.T. 0.01 min

Lab File: BN008616.D

Acq: 18 Nov 2019 22:31

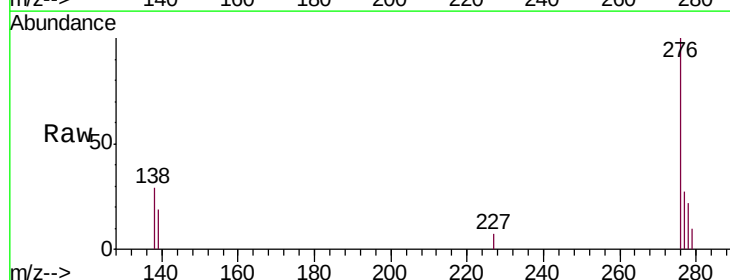
Tgt Ion:276 Resp: 77975

Ion Ratio Lower Upper

276 100

138 21.4 21.7 32.5#

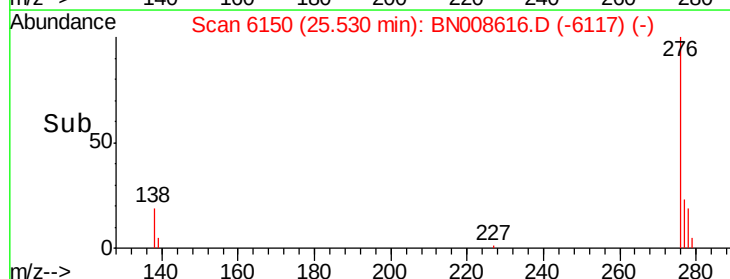
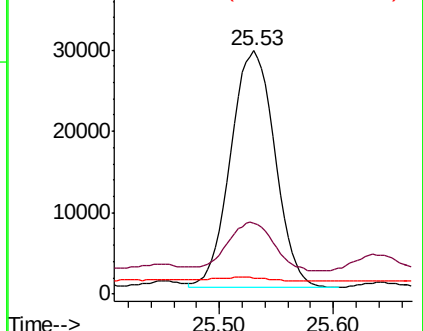
227 2.1 0.2 0.2#

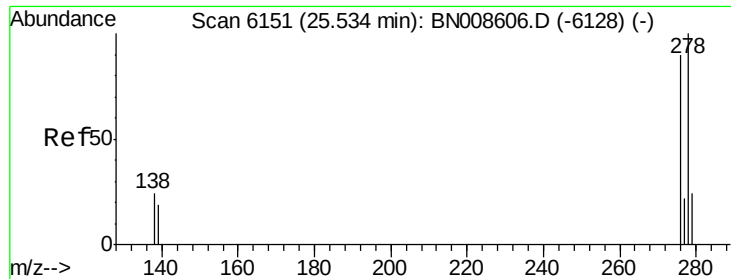


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

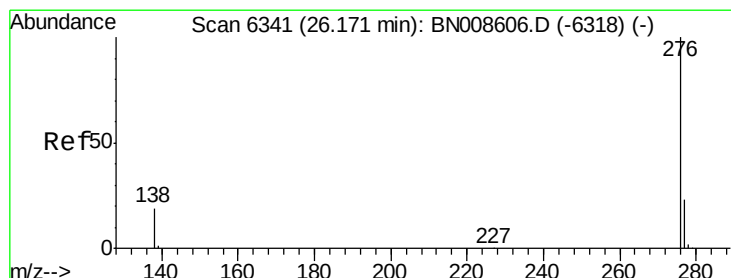
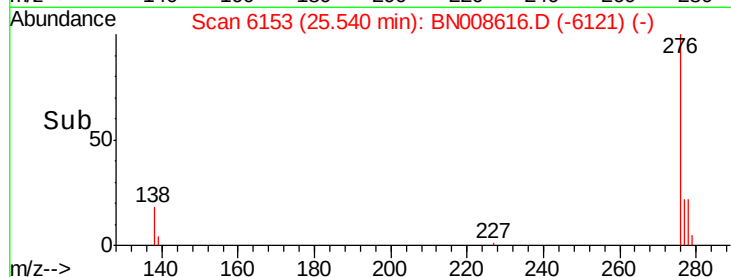
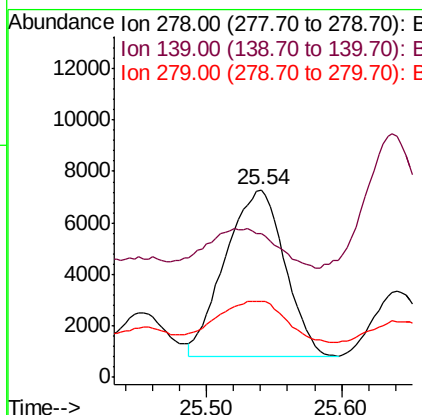
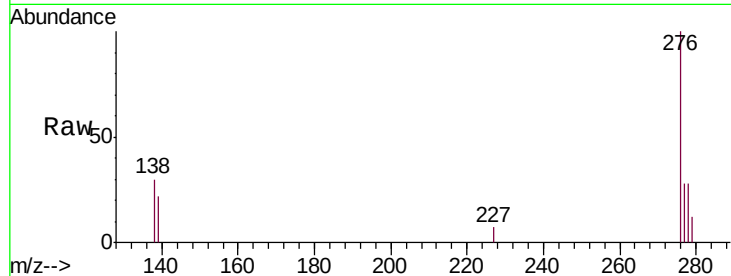




#25
Dibenzo(a,h)anthracene
Concen: 0.443 ng/ul
RT: 25.54 min Scan# 6153
Delta R.T. 0.01 min
Lab File: BN008616.D
Acq: 18 Nov 2019 22:31

Instrument :
BNA_N
ClientSampleId :
JLMA1

Tgt Ion: 278 Resp: 19876
Ion Ratio Lower Upper
278 100
139 76.8 18.7 28.1#
279 40.8 20.8 31.2#



#26
Benzo(g,h,i)perylene
Concen: 1.584 ng/ul
RT: 26.18 min Scan# 6345
Delta R.T. 0.01 min
Lab File: BN008616.D
Acq: 18 Nov 2019 22:31

Tgt Ion: 276 Resp: 73617
Ion Ratio Lower Upper
276 100
138 30.5 20.0 30.0#
277 26.9 20.0 30.0

