

Data File : BN008615.D
Acq On : 18 Nov 2019 21:55
Operator : JU
Sample : K5678-15
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
JLMA0

Quant Time: Nov 19 01:52:15 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	3342	0.40	ng/ul	0.00
2) Naphthalene-d8	10.39	136	11882	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.26	164	7207	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.00	188	13807	0.40	ng/ul	0.00
16) Chrysene-d12	21.20	240	10897	0.40	ng/ul	0.00
20) Perylene-d12	23.38	264	11382	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.98	152	3812	0.20	ng/ul	0.00
14) Fluoranthene-d10	19.03	212	8378	0.20	ng/ul	0.00

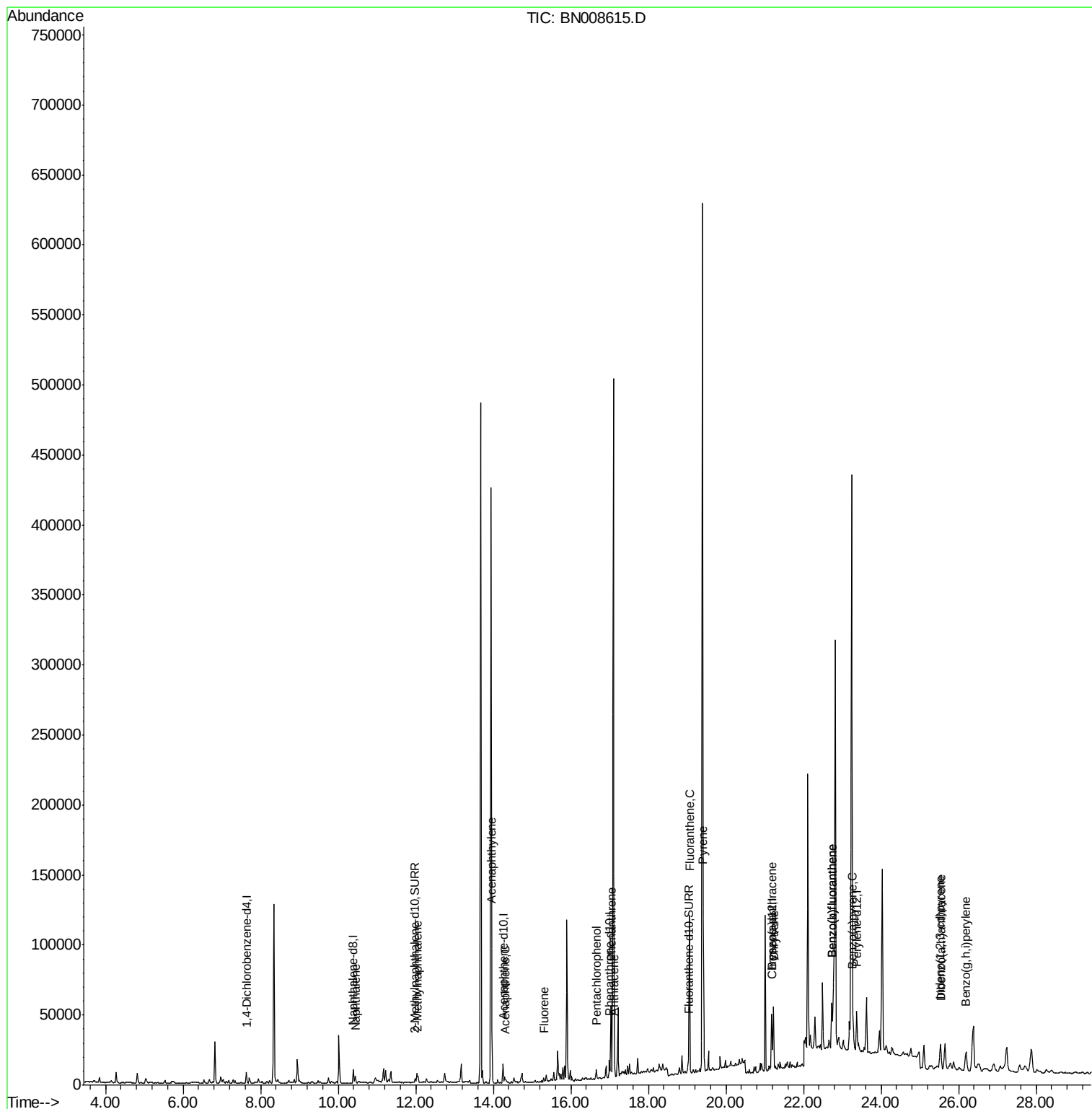
Target Compounds					Qvalue	
3) Naphthalene	10.44	128	7009	0.196	ng/ul	97
5) 2-Methylnaphthalene	12.06	142	3187	0.127	ng/ul	100
7) Acenaphthylene	13.97	152	2994	0.075	ng/ul#	86
8) Acenaphthene	14.32	153	1637	0.055	ng/ul	94
9) Fluorene	15.31	166	1563	0.045	ng/ul#	81
11) Pentachlorophenol	16.66	266	4314	0.826	ng/ul	100
12) Phenanthrene	17.04	178	52250	1.122	ng/ul	97
13) Anthracene	17.13	178	5534	0.126	ng/ul#	66
15) Fluoranthene	19.06	202	95541	1.670	ng/ul	99
17) Pyrene	19.42	202	90786	2.077	ng/ul	98
18) Benzo(a)anthracene	21.18	228	32345	0.738	ng/ul#	88
19) Chrysene	21.23	228	44052	1.023	ng/ul#	92
21) Benzo(b)fluoranthene	22.73	252	69634	1.484	ng/ul#	39
22) Benzo(k)fluoranthene	22.73	252	69634	1.496	ng/ul#	41
23) Benzo(a)pyrene	23.28	252	33587	0.762	ng/ul#	45
24) Indeno(1,2,3-cd)pyrene	25.53	276	24673	0.479	ng/ul#	99
25) Dibenzo(a,h)anthracene	25.55	278	5700	0.137	ng/ul#	1
26) Benzo(g,h,i)perylene	26.19	276	26519	0.615	ng/ul#	69

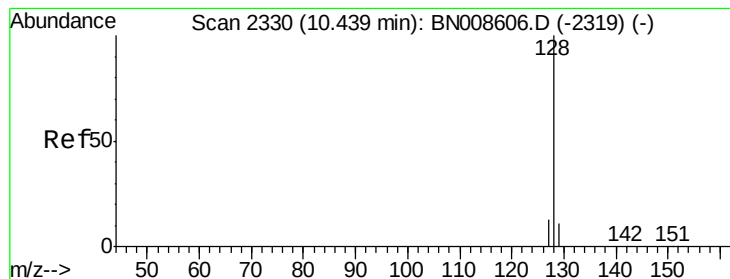
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.196 ng/ul

RT: 10.44 min Scan# 2330

Delta R.T. -0.00 min

Lab File: BN008615.D

Acq: 18 Nov 2019 21:55

Instrument :

BNA_N

ClientSampleId :

JLMA0

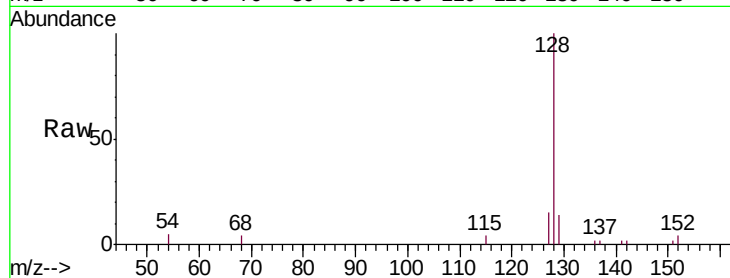
Tgt Ion:128 Resp: 7009

Ion Ratio Lower Upper

128 100

129 13.6 9.7 14.5

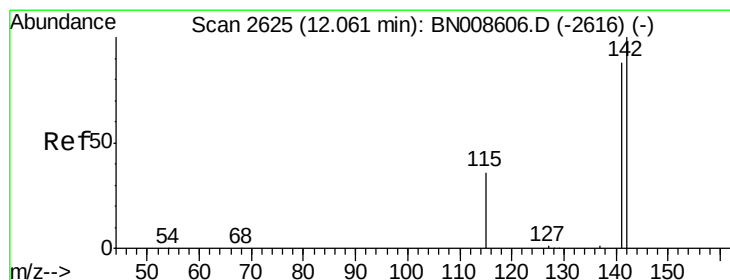
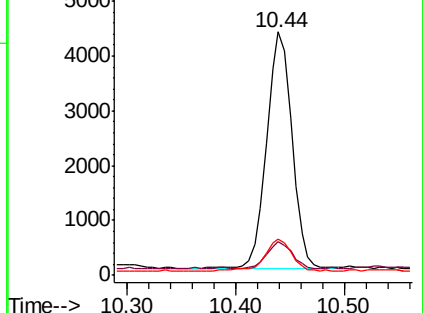
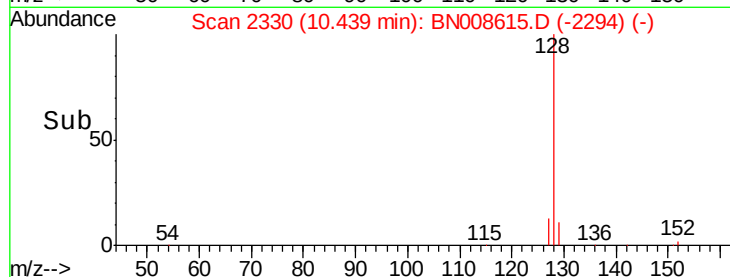
127 14.8 10.8 16.2



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: 0.127 ng/ul

RT: 12.06 min Scan# 2625

Delta R.T. -0.00 min

Lab File: BN008615.D

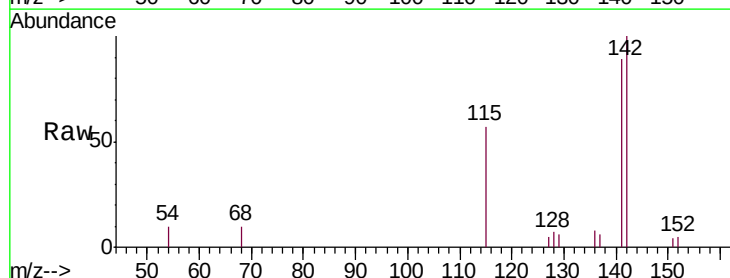
Acq: 18 Nov 2019 21:55

Tgt Ion:142 Resp: 3187

Ion Ratio Lower Upper

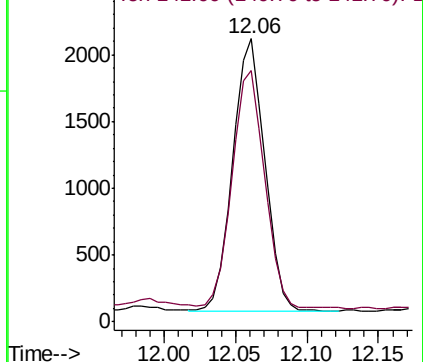
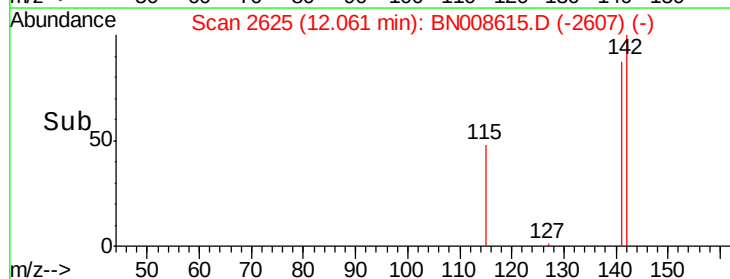
142 100

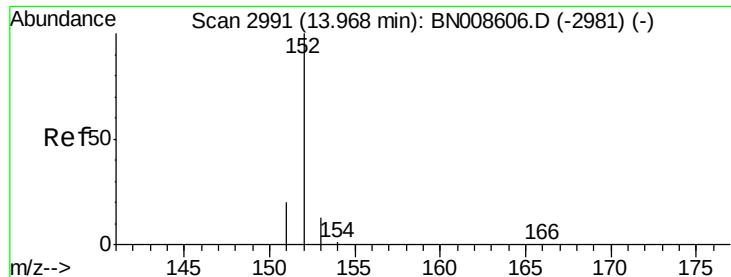
141 88.2 70.5 105.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.075 ng/ul

RT: 13.97 min Scan# 2991

Delta R.T. -0.00 min

Lab File: BN008615.D

Acq: 18 Nov 2019 21:55

Instrument :

BNA_N

ClientSampleId :

JLMA0

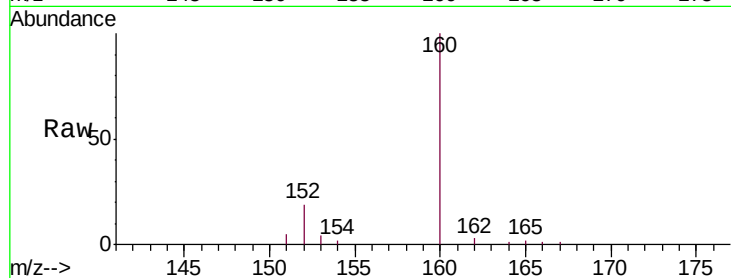
Tgt Ion:152 Resp: 2994

Ion Ratio Lower Upper

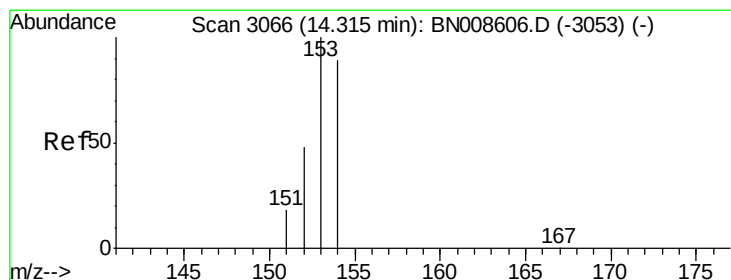
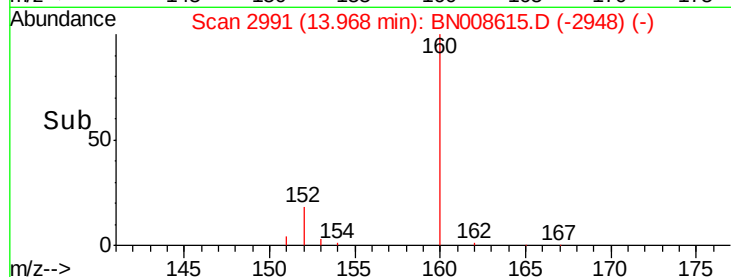
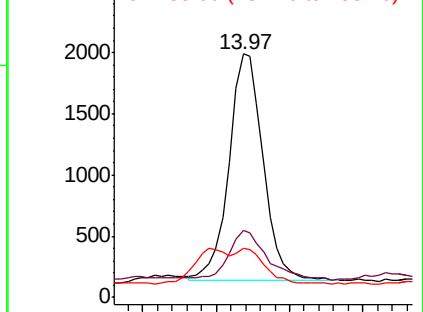
152 100

151 27.3 16.6 24.8#

153 19.9 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: 0.055 ng/ul

RT: 14.32 min Scan# 3066

Delta R.T. -0.00 min

Lab File: BN008615.D

Acq: 18 Nov 2019 21:55

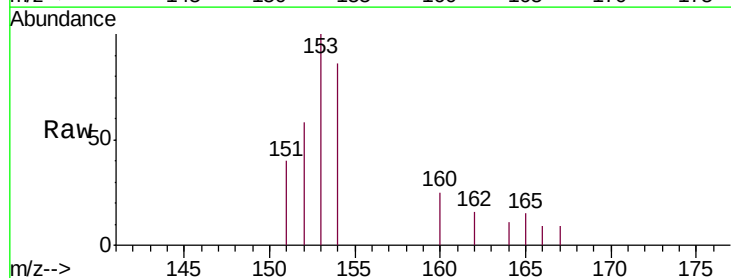
Tgt Ion:153 Resp: 1637

Ion Ratio Lower Upper

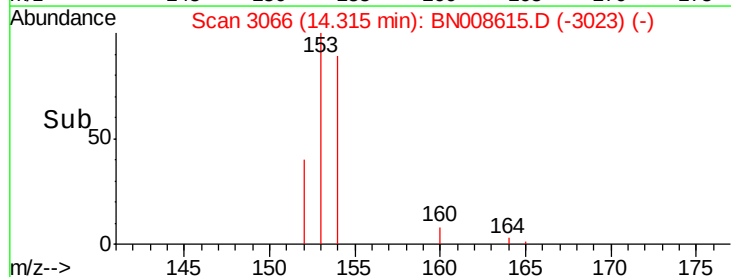
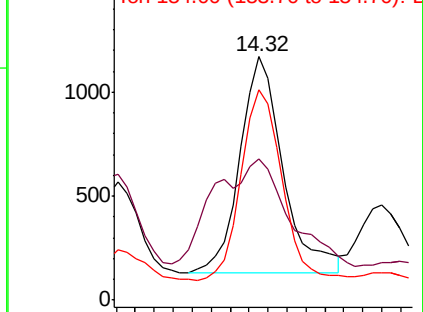
153 100

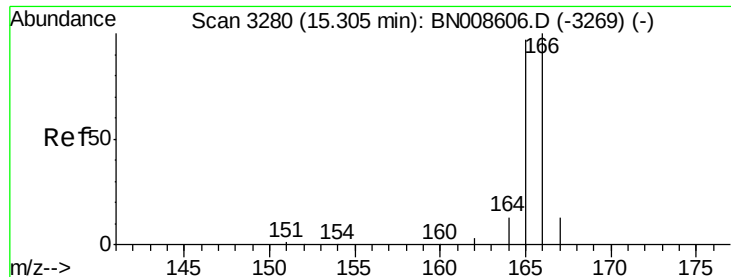
152 58.0 39.6 59.4

154 86.5 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: 0.045 ng/ul

RT: 15.31 min Scan# 3280

Delta R.T. -0.00 min

Lab File: BN008615.D

Acq: 18 Nov 2019 21:55

Instrument :

BNA_N

ClientSampleId :

JLMA0

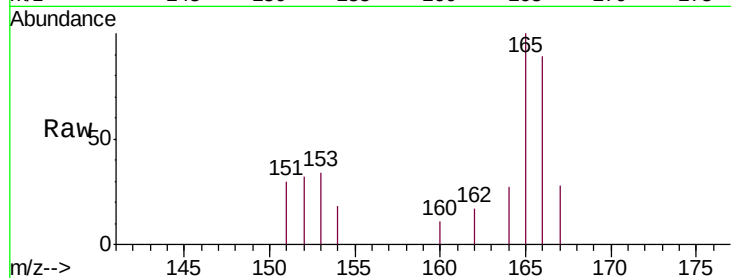
Tgt Ion:166 Resp: 1563

Ion Ratio Lower Upper

166 100

165 111.9 77.4 116.0

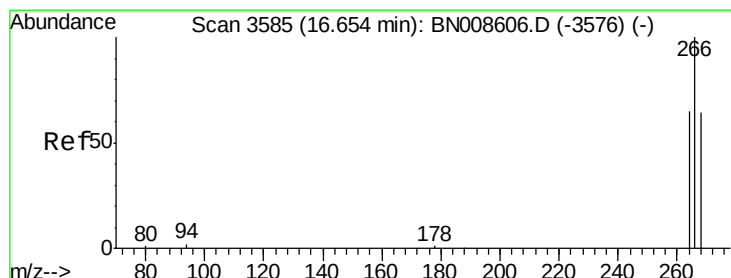
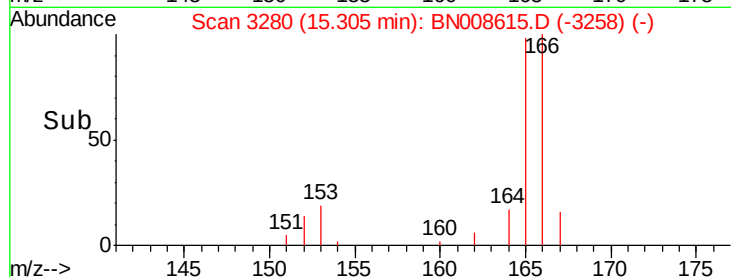
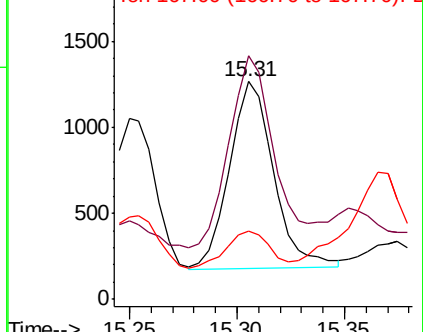
167 31.4 11.4 17.0#



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: 0.826 ng/ul

RT: 16.66 min Scan# 3586

Delta R.T. 0.00 min

Lab File: BN008615.D

Acq: 18 Nov 2019 21:55

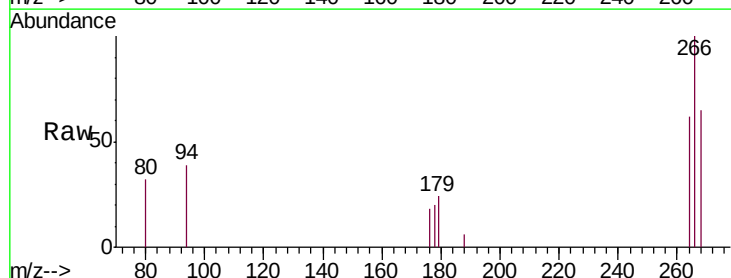
Tgt Ion:266 Resp: 4314

Ion Ratio Lower Upper

266 100

264 61.7 49.2 73.8

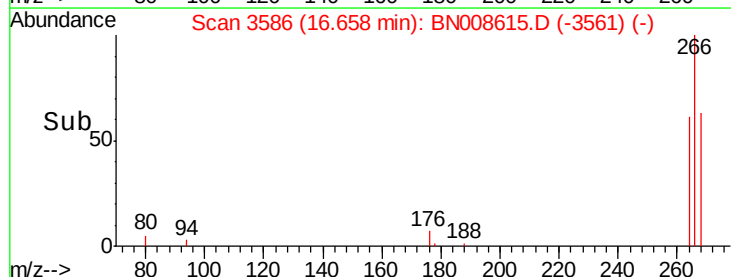
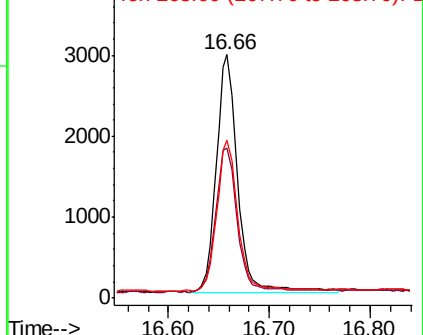
268 64.0 50.9 76.3

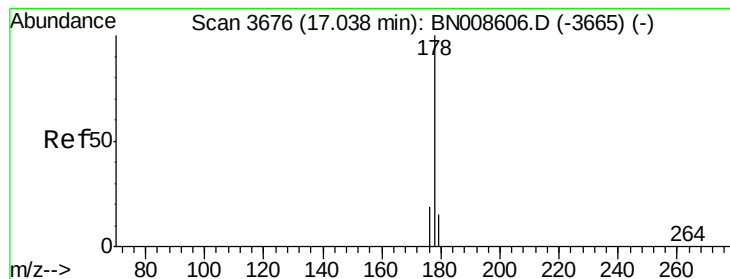


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 1.122 ng/ul

RT: 17.04 min Scan# 3676

Delta R.T. -0.00 min

Lab File: BN008615.D

Acq: 18 Nov 2019 21:55

Instrument :

BNA_N

ClientSampleId :

JLMA0

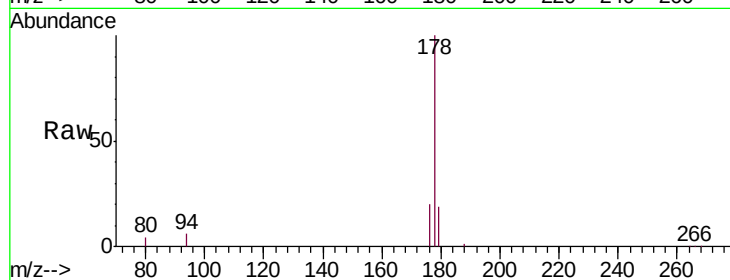
Tgt Ion:178 Resp: 52250

Ion Ratio Lower Upper

178 100

179 18.8 12.8 19.2

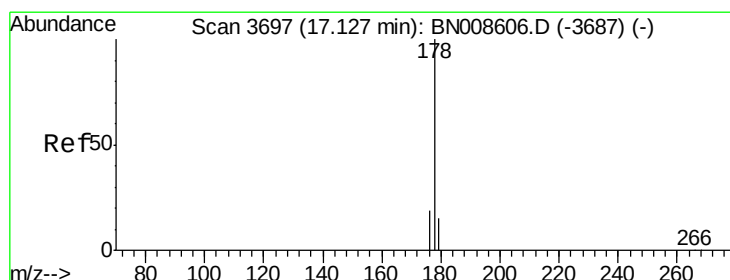
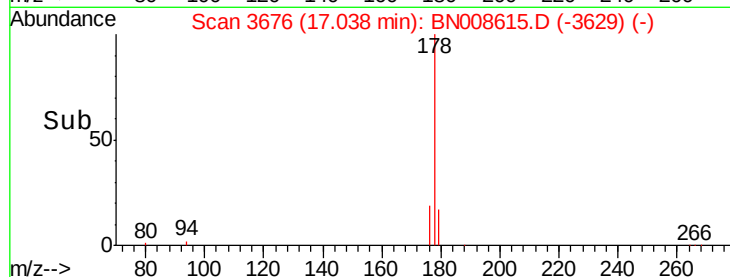
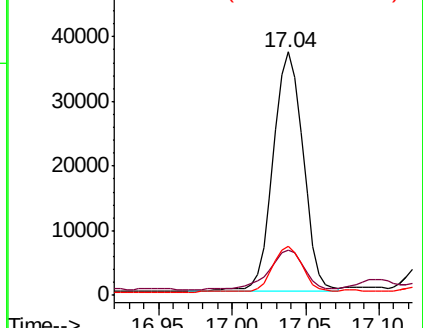
176 19.9 16.0 24.0



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: 0.126 ng/ul

RT: 17.13 min Scan# 3698

Delta R.T. 0.00 min

Lab File: BN008615.D

Acq: 18 Nov 2019 21:55

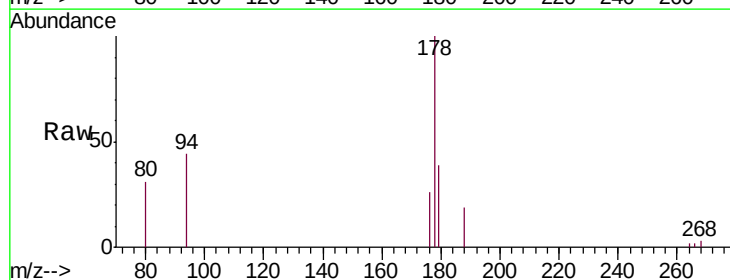
Tgt Ion:178 Resp: 5534

Ion Ratio Lower Upper

178 100

179 39.2 13.0 19.4#

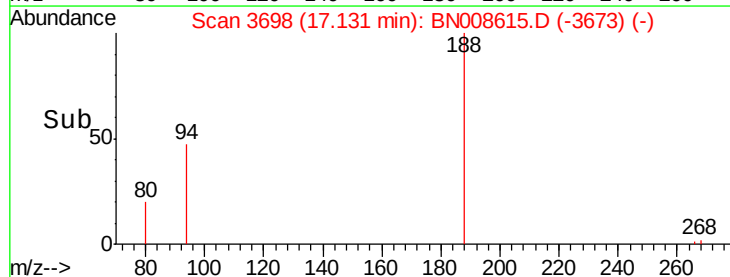
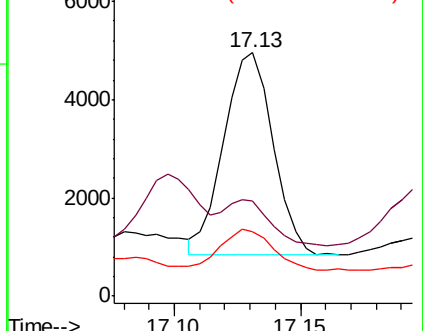
176 26.4 15.3 22.9#

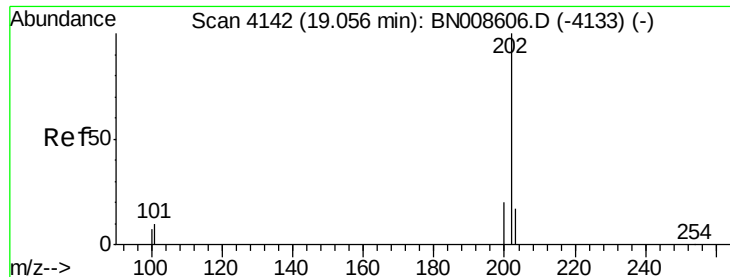


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 1.670 ng/ul

RT: 19.06 min Scan# 4143

Delta R.T. 0.00 min

Lab File: BN008615.D

Acq: 18 Nov 2019 21:55

Instrument :

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ClientSampleId :

JLMA0

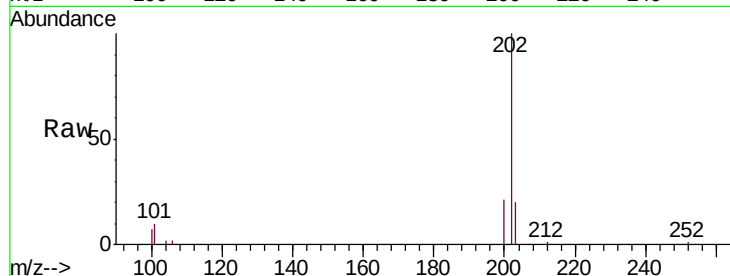
Tgt Ion:202 Resp: 95541

Ion Ratio Lower Upper

202 100

101 10.0 0.0 29.6

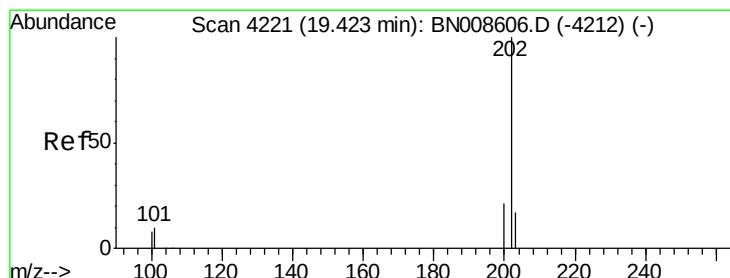
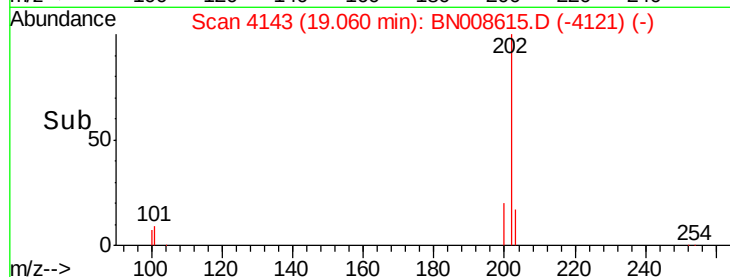
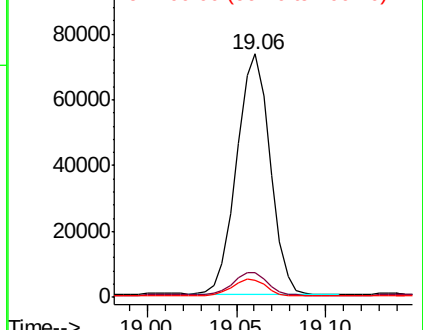
100 7.2 0.0 27.0



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: 2.077 ng/ul

RT: 19.42 min Scan# 4221

Delta R.T. -0.00 min

Lab File: BN008615.D

Acq: 18 Nov 2019 21:55

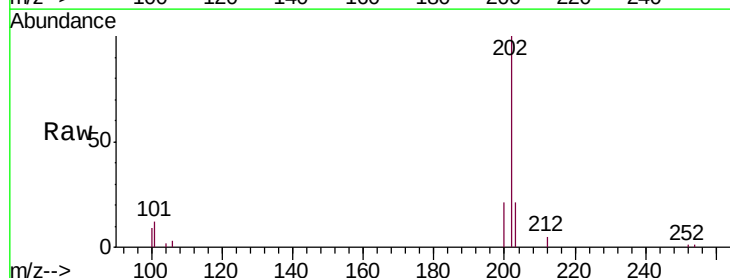
Tgt Ion:202 Resp: 90786

Ion Ratio Lower Upper

202 100

101 11.9 10.2 15.2

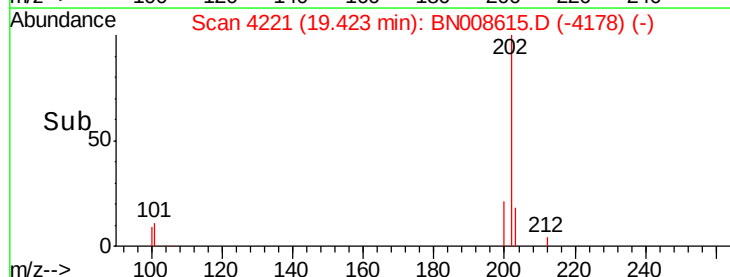
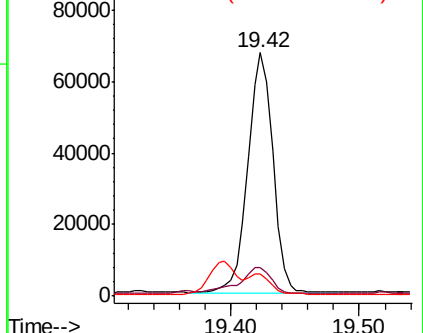
100 9.2 8.2 12.2

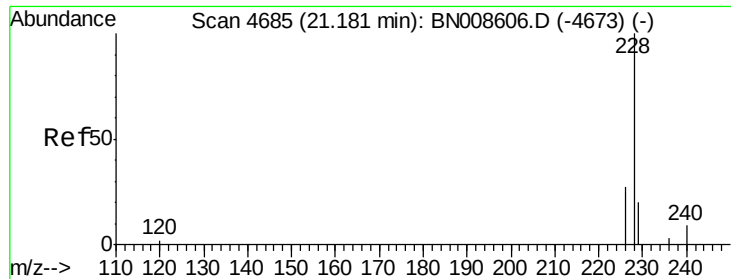


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.738 ng/ul

RT: 21.18 min Scan# 4684

Delta R.T. -0.00 min

Lab File: BN008615.D

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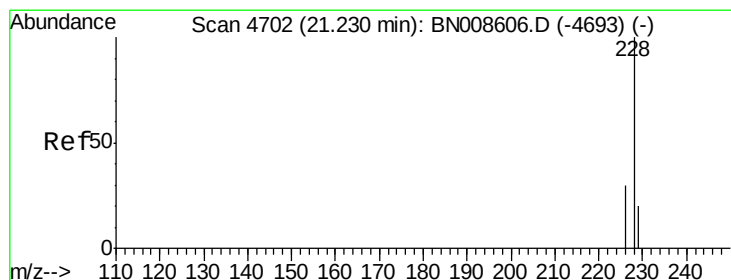
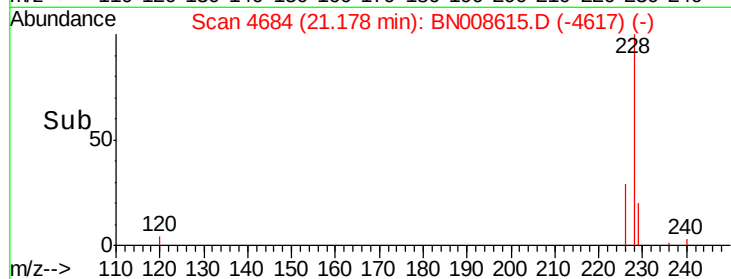
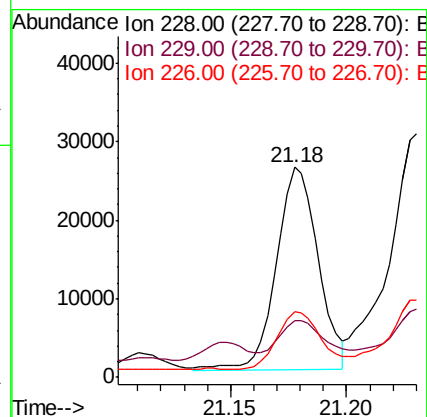
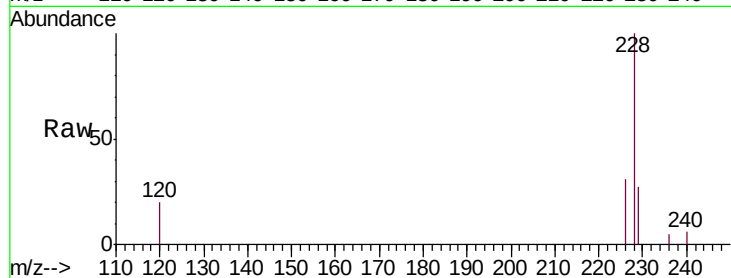
Tgt Ion:228 Resp: 32345

Ion Ratio Lower Upper

228 100

229 27.0 15.8 23.6#

226 31.4 21.6 32.4



#19

Chrysene

Concen: 1.023 ng/ul

RT: 21.23 min Scan# 4702

Delta R.T. -0.00 min

Lab File: BN008615.D

Acq: 18 Nov 2019 21:55

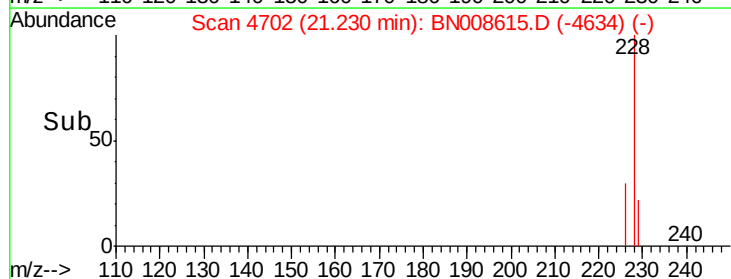
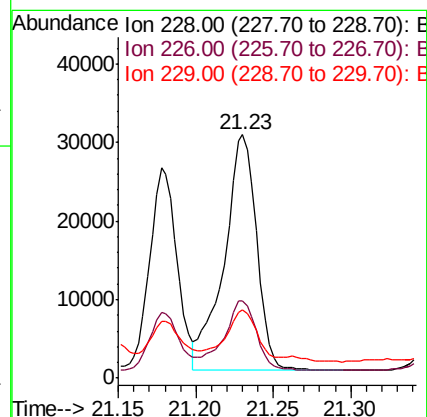
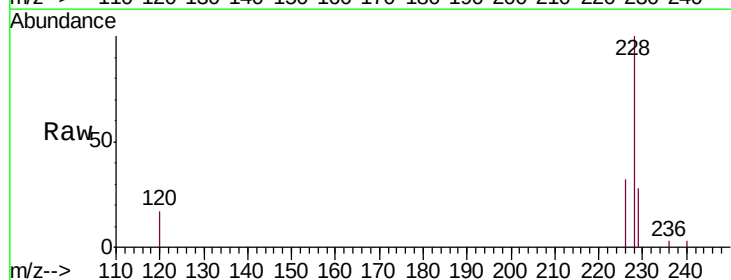
Tgt Ion:228 Resp: 44052

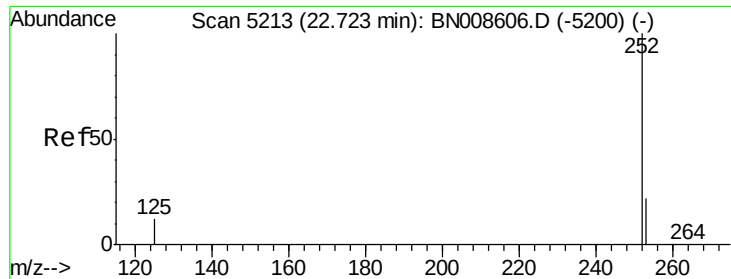
Ion Ratio Lower Upper

228 100

226 31.6 24.5 36.7

229 27.9 15.5 23.3#





#21

Benzo(b)fluoranthene

Concen: 1.484 ng/ul

RT: 22.73 min Scan# 5215

Delta R.T. 0.01 min

Lab File: BN008615.D

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JLMA0

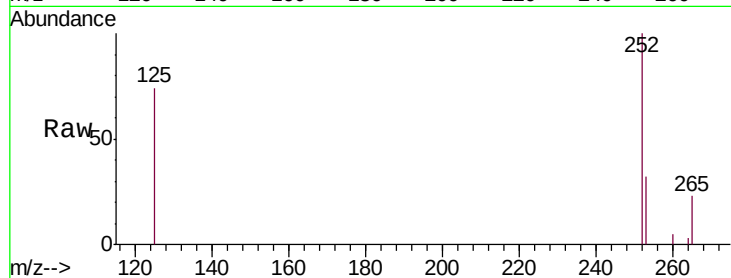
Tgt Ion:252 Resp: 69634

Ion Ratio Lower Upper

252 100

253 31.7 0.0 50.2

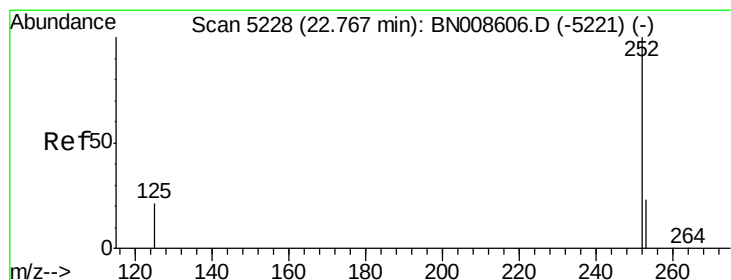
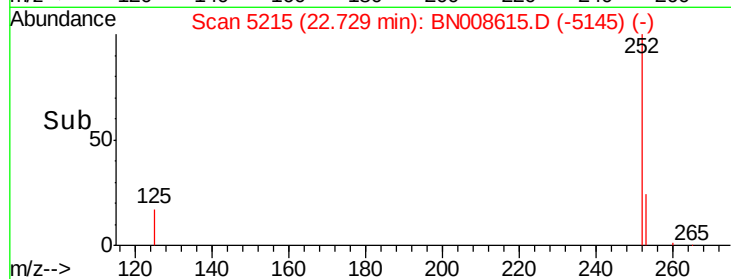
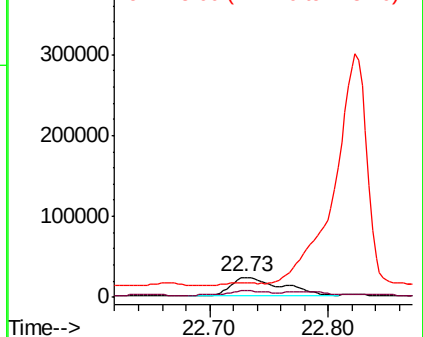
125 73.5 0.0 30.0#



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: 1.496 ng/ul

RT: 22.73 min Scan# 5215

Delta R.T. -0.04 min

Lab File: BN008615.D

Acq: 18 Nov 2019 21:55

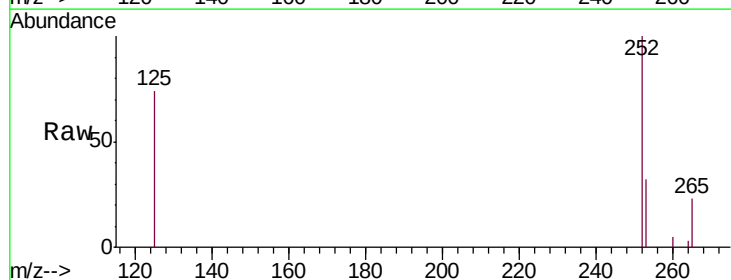
Tgt Ion:252 Resp: 69634

Ion Ratio Lower Upper

252 100

253 31.7 20.5 30.7#

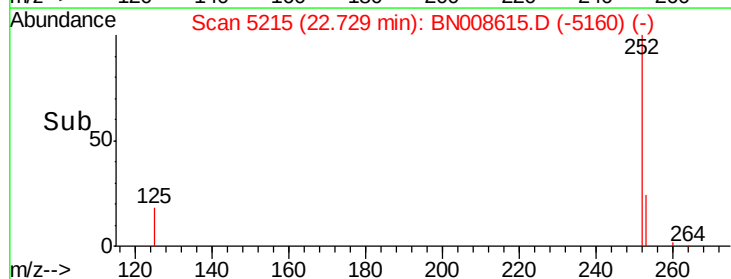
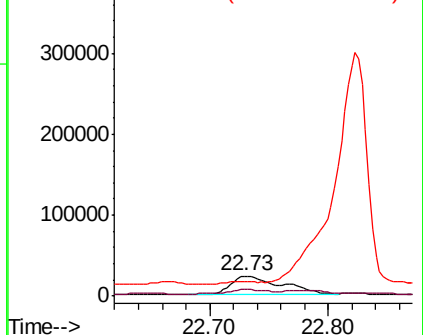
125 73.5 15.0 22.4#

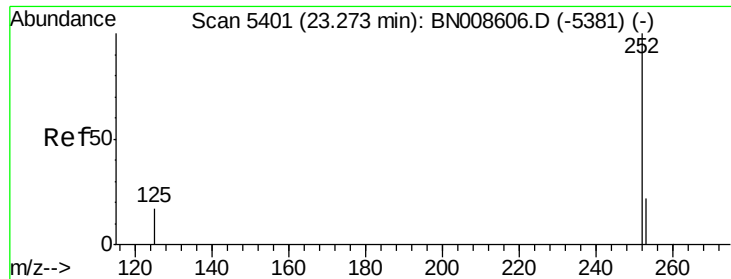


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.762 ng/ul

RT: 23.28 min Scan# 5404

Delta R.T. 0.01 min

Lab File: BN008615.D

Acq: 18 Nov 2019 21:55

Instrument :

BNA_N

ClientSampleId :

JLMA0

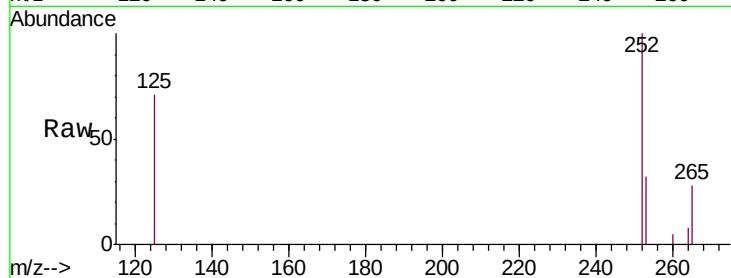
Tgt Ion:252 Resp: 33587

Ion Ratio Lower Upper

252 100

253 31.9 21.4 32.2

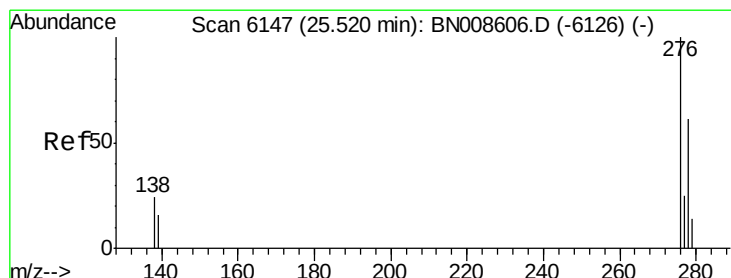
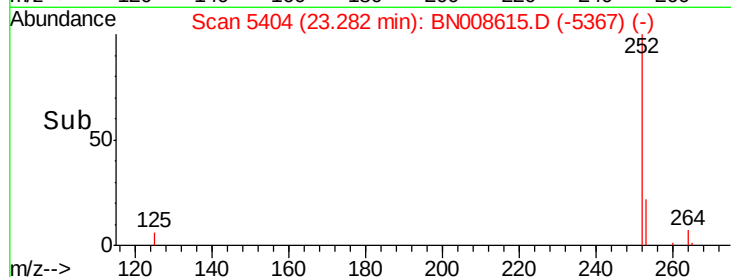
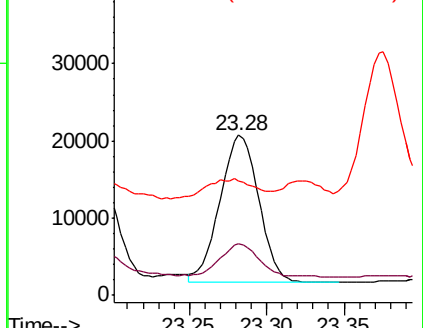
125 71.4 13.8 20.8#



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: 0.479 ng/ul

RT: 25.53 min Scan# 6150

Delta R.T. 0.01 min

Lab File: BN008615.D

Acq: 18 Nov 2019 21:55

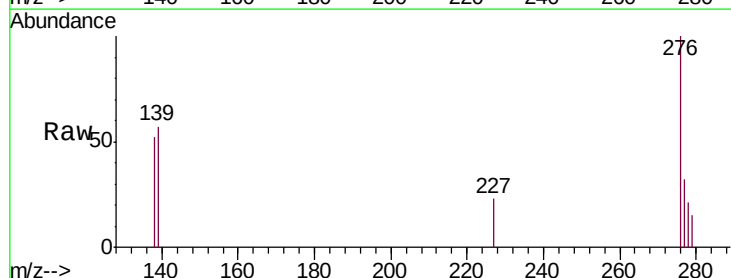
Tgt Ion:276 Resp: 24673

Ion Ratio Lower Upper

276 100

138 26.8 21.7 32.5

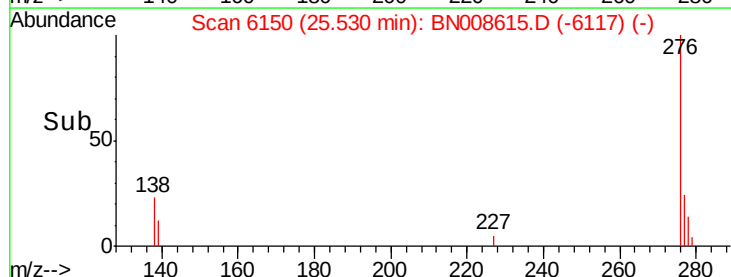
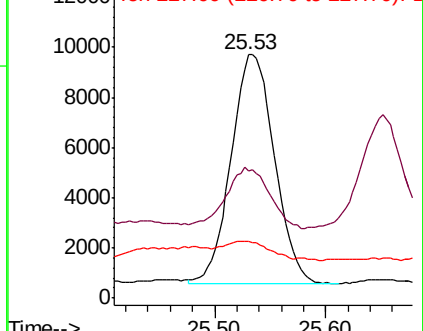
227 0.0 0.2 0.2#

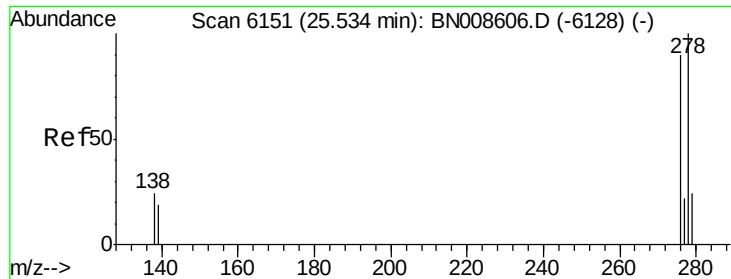


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.137 ng/ul

RT: 25.55 min Scan# 6155

Delta R.T. 0.01 min

Lab File: BN008615.D

Acq: 18 Nov 2019 21:55

Instrument :

BNA_N

ClientSampleId :

JLMA0

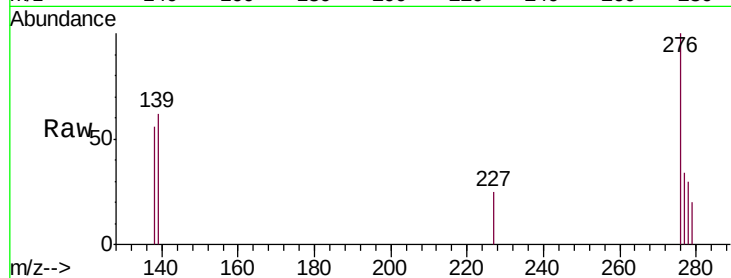
Tgt Ion: 278 Resp: 5700

Ion Ratio Lower Upper

278 100

139 205.4 18.7 28.1#

279 65.3 20.8 31.2#



Abundance

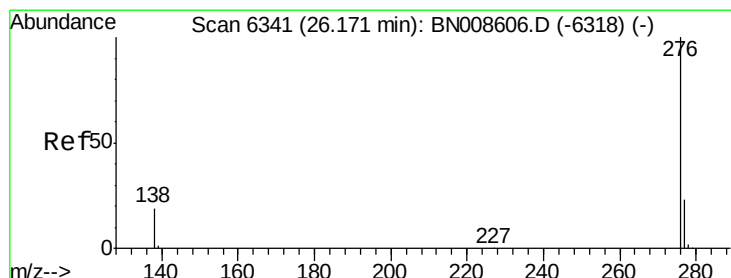
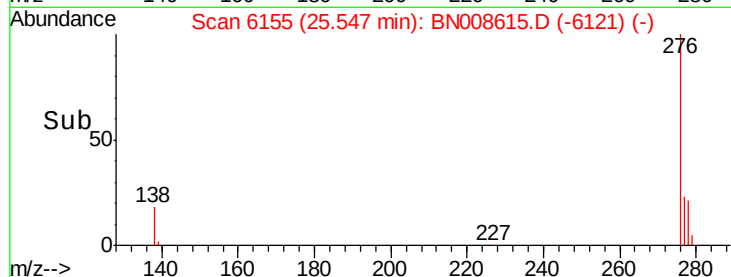
Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

25.55

Time-->



#26

Benzo(g,h,i)perylene

Concen: 0.615 ng/ul

RT: 26.19 min Scan# 6347

Delta R.T. 0.02 min

Lab File: BN008615.D

Acq: 18 Nov 2019 21:55

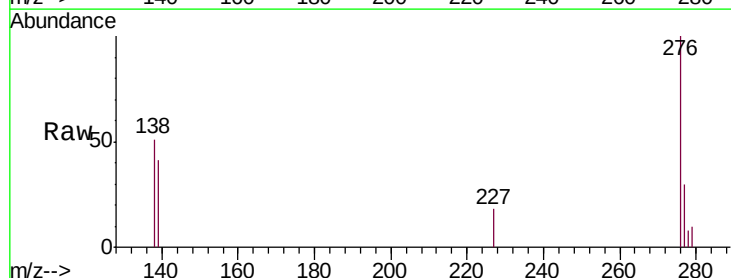
Tgt Ion: 276 Resp: 26519

Ion Ratio Lower Upper

276 100

138 50.5 20.0 30.0#

277 30.3 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

26.19

Time-->

