

Data File : BN008515.D
Acq On : 08 Nov 2019 18:49
Operator : JU
Sample : SSTDC00.4EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTD0.408

Quant Time: Nov 08 23:05:54 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN110519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 08 23:03:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	1113	0.40	ng/ul	0.00
2) Naphthalene-d8	10.32	136	5130	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.19	164	3157	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.94	188	6087	0.40	ng/ul	0.00
16) Chrysene-d12	21.15	240	5087	0.40	ng/ul	0.00
20) Perylene-d12	23.32	264	4182	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.92	152	3163	0.39	ng/ul	0.00
14) Fluoranthene-d10	18.98	212	7796	0.43	ng/ul	0.00

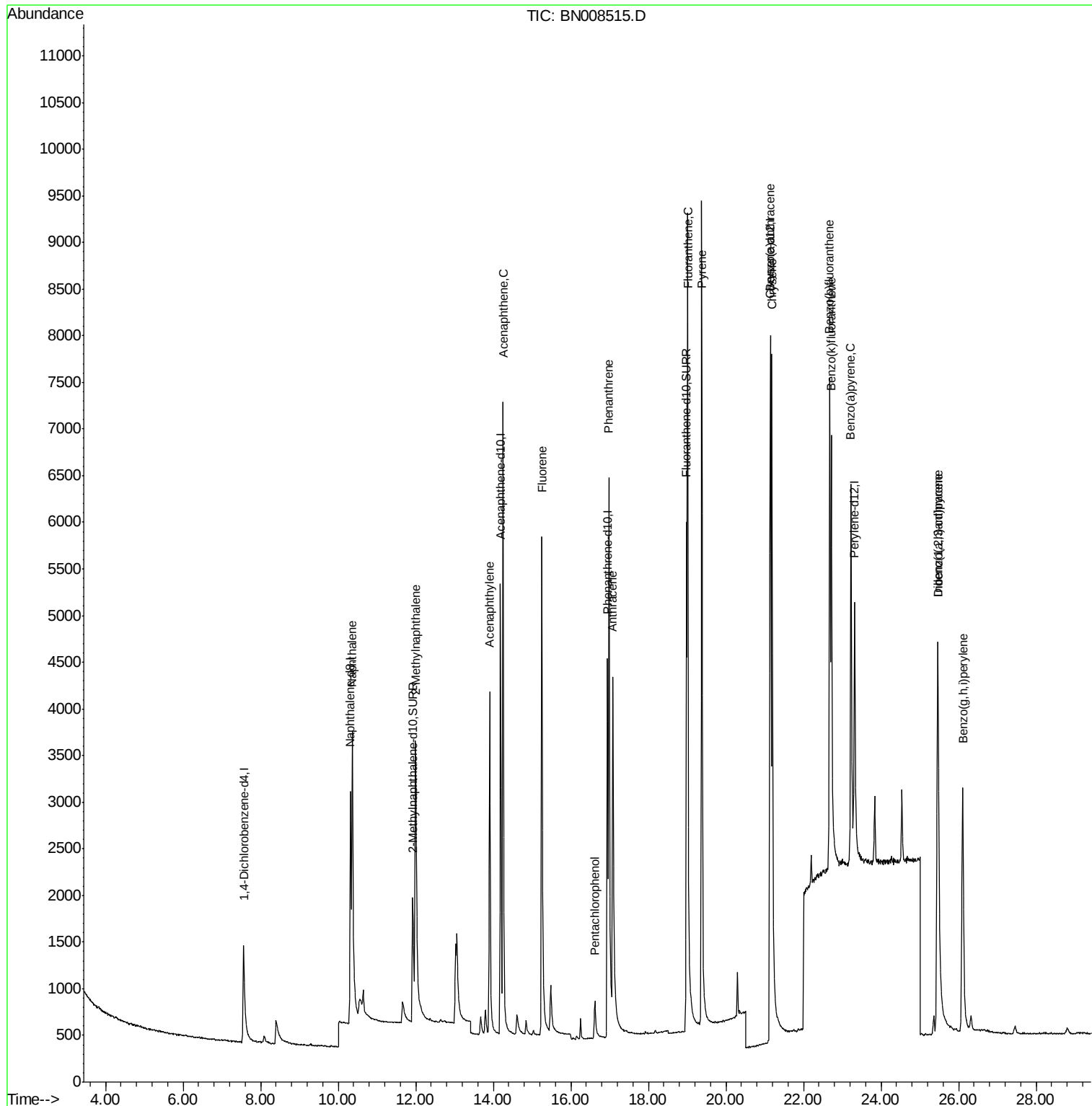
Target Compounds				Qvalue		
3) Naphthalene	10.36	128	5965	0.409	ng/ul	99
5) 2-Methylnaphthalene	12.00	142	3828	0.394	ng/ul	99
7) Acenaphthylene	13.91	152	5498	0.374	ng/ul	99
8) Acenaphthene	14.25	153	4622	0.388	ng/ul	98
9) Fluorene	15.25	166	4964	0.381	ng/ul	99
11) Pentachlorophenol	16.62	266	506	0.382	ng/ul	99
12) Phenanthrene	16.98	178	7745	0.419	ng/ul	99
13) Anthracene	17.08	178	6655	0.411	ng/ul	100
15) Fluoranthene	19.01	202	9195	0.433	ng/ul	100
17) Pyrene	19.38	202	9714	0.391	ng/ul	100
18) Benzo(a)anthracene	21.14	228	6979	0.394	ng/ul	99
19) Chrysene	21.19	228	9614	0.426	ng/ul	99
21) Benzo(b)fluoranthene	22.67	252	6765	0.434	ng/ul	95
22) Benzo(k)fluoranthene	22.71	252	7784	0.439	ng/ul	99
23) Benzo(a)pyrene	23.23	252	6499	0.414	ng/ul	91
24) Indeno(1,2,3-cd)pyrene	25.46	276	6738	0.378	ng/ul#	98
25) Dibenzo(a,h)anthracene	25.47	278	5290	0.374	ng/ul	99
26) Benzo(g,h,i)perylene	26.11	276	6136	0.384	ng/ul	99

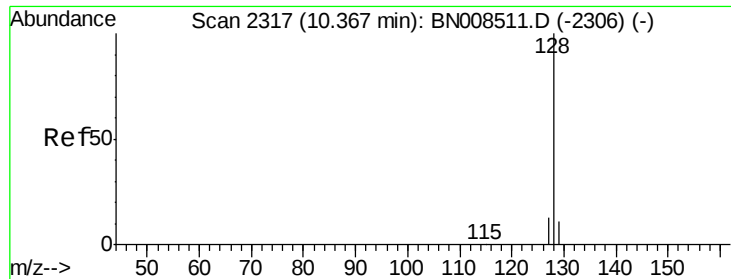
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.409 ng/ul

RT: 10.36 min Scan# 2316

Delta R.T. -0.01 min

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BNA_N

ClientSampleId :

SSTD0.408

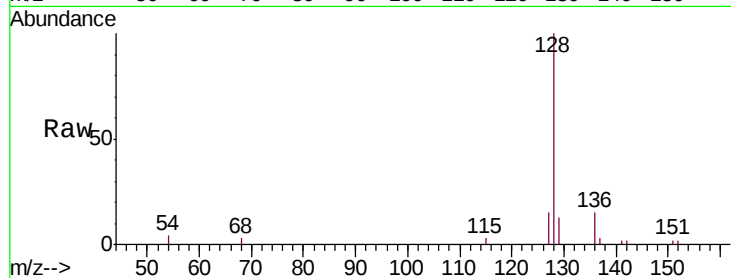
Tgt Ion:128 Resp: 5965

Ion Ratio Lower Upper

128 100

129 12.6 10.0 15.0

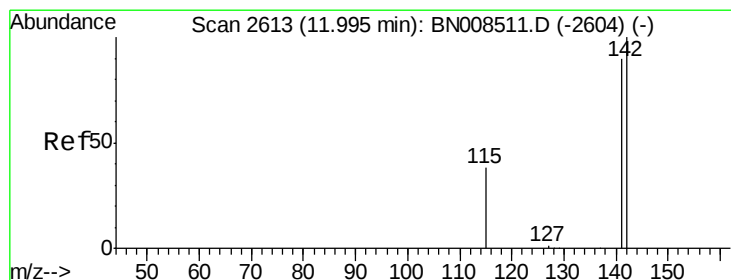
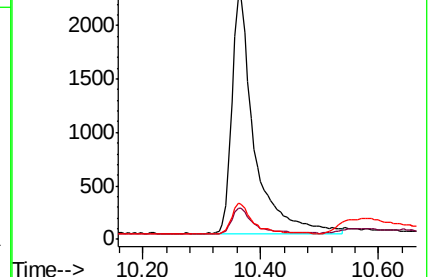
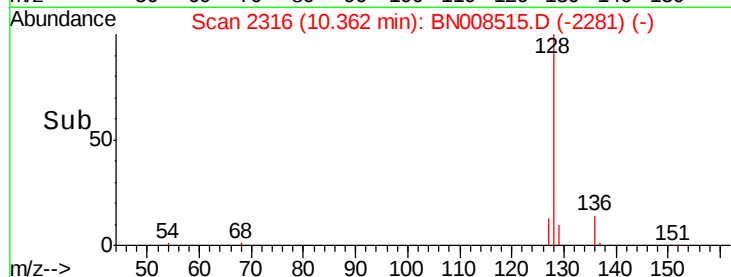
127 15.1 11.6 17.4



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: 0.394 ng/ul

RT: 12.00 min Scan# 2613

Delta R.T. -0.00 min

Lab File: BN008515.D

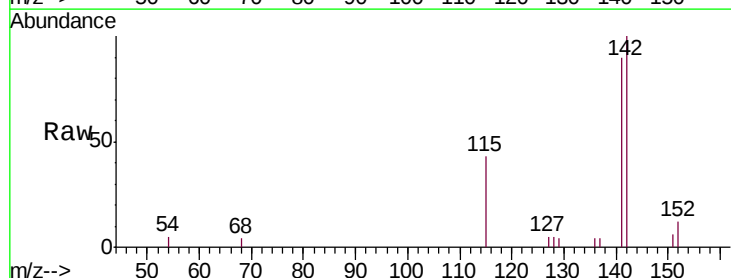
Acq: 08 Nov 2019 18:49

Tgt Ion:142 Resp: 3828

Ion Ratio Lower Upper

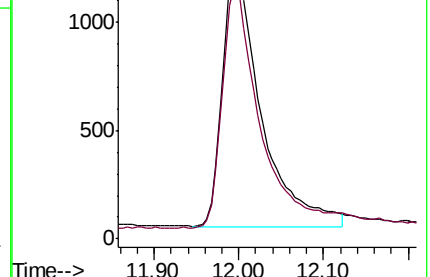
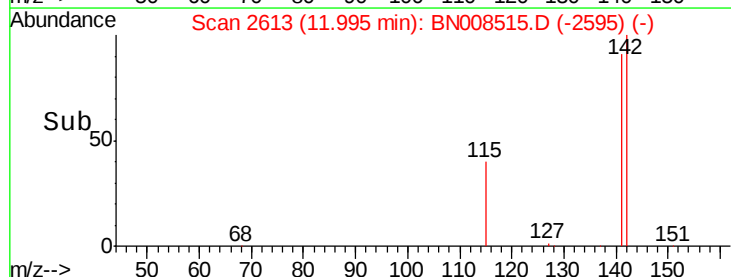
142 100

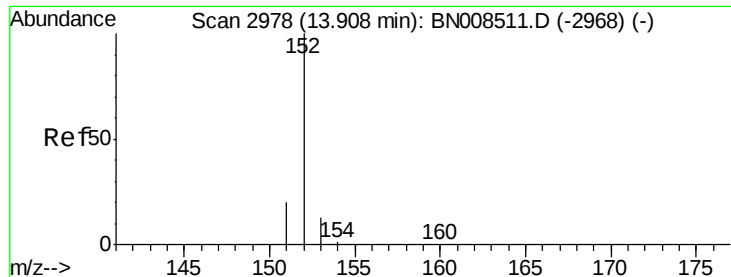
141 90.4 72.8 109.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.374 ng/ul

RT: 13.91 min Scan# 2978

Delta R.T. -0.00 min

Lab File: BN008515.D

Acq: 08 Nov 2019 18:49

Instrument :

BNA_N

ClientSampleId :

SSTD0.408

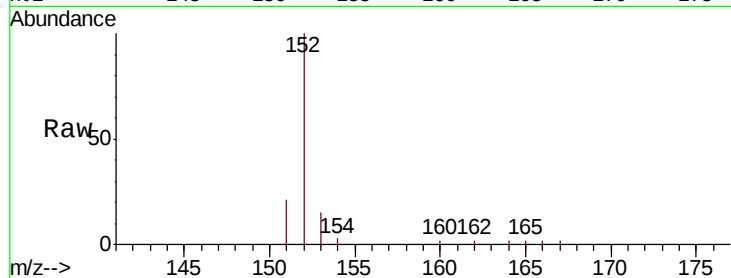
Tgt Ion:152 Resp: 5498

Ion Ratio Lower Upper

152 100

151 21.2 16.7 25.1

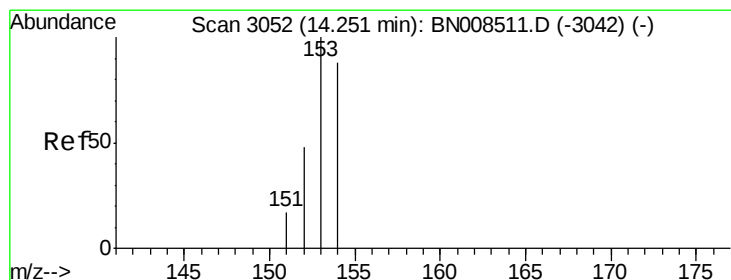
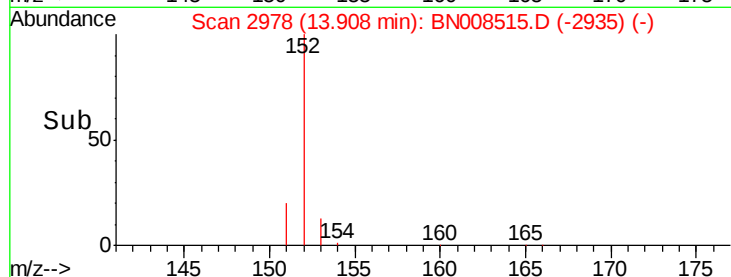
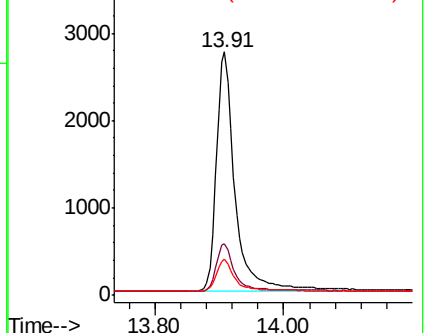
153 14.9 11.4 17.2



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: 0.388 ng/ul

RT: 14.25 min Scan# 3052

Delta R.T. -0.00 min

Lab File: BN008515.D

Acq: 08 Nov 2019 18:49

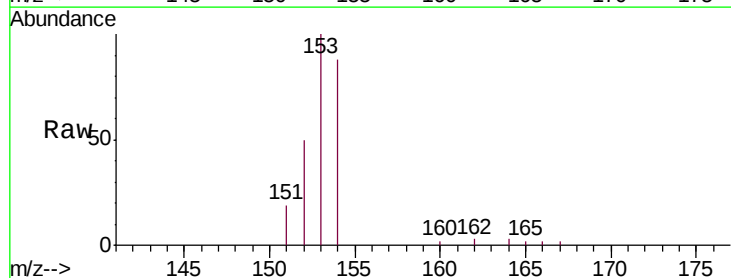
Tgt Ion:153 Resp: 4622

Ion Ratio Lower Upper

153 100

152 50.2 39.8 59.8

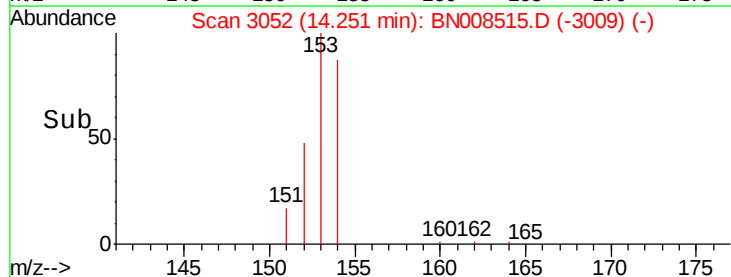
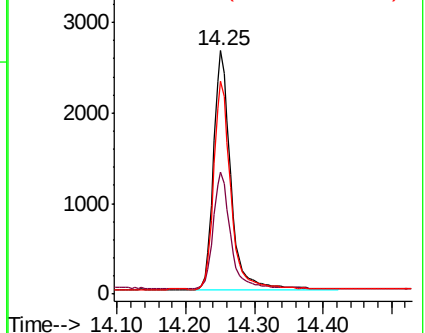
154 87.5 71.6 107.4

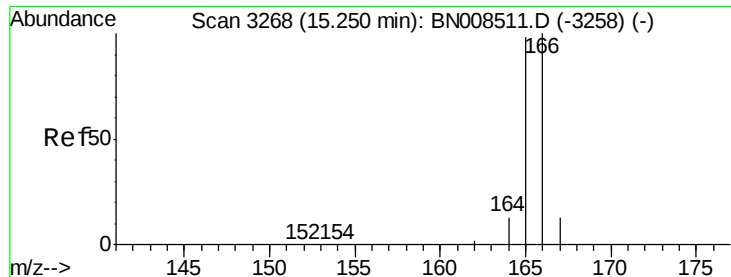


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.381 ng/ul

RT: 15.25 min Scan# 3268

Delta R.T. -0.00 min

Lab File: BN008515.D

Acq: 08 Nov 2019 18:49

Instrument :

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SSTD0.408

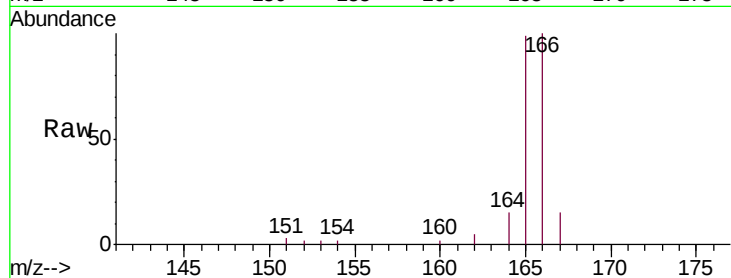
Tgt Ion:166 Resp: 4964

Ion Ratio Lower Upper

166 100

165 99.2 78.2 117.2

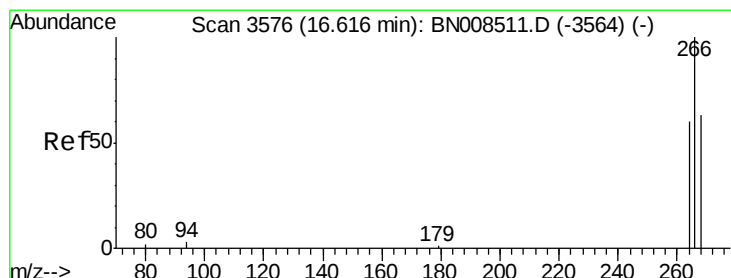
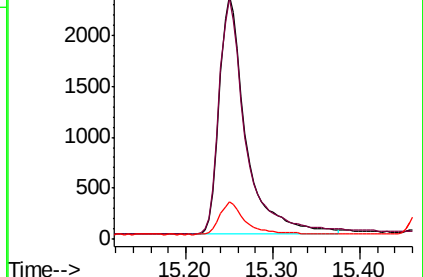
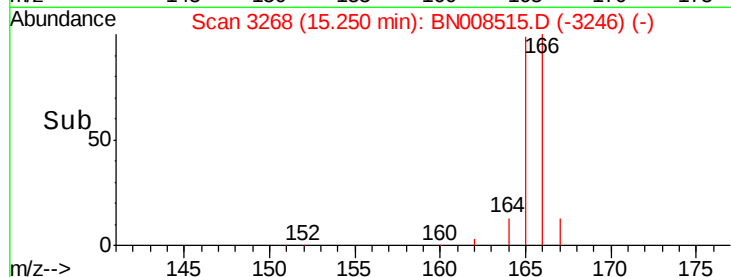
167 15.2 12.1 18.1



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: 0.382 ng/ul

RT: 16.62 min Scan# 3577

Delta R.T. 0.00 min

Lab File: BN008515.D

Acq: 08 Nov 2019 18:49

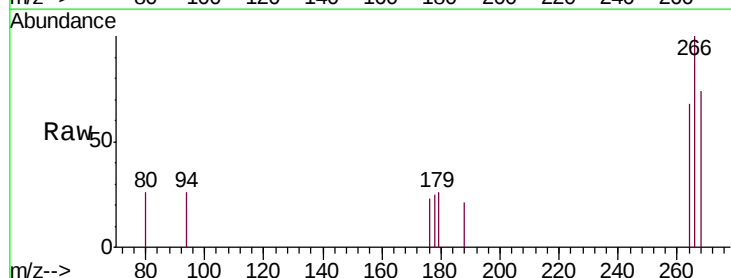
Tgt Ion:266 Resp: 506

Ion Ratio Lower Upper

266 100

264 61.3 49.8 74.8

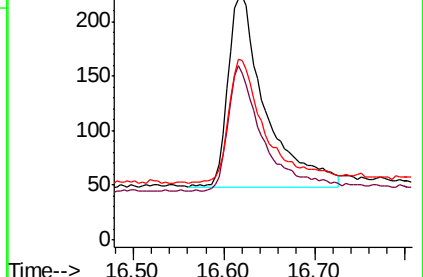
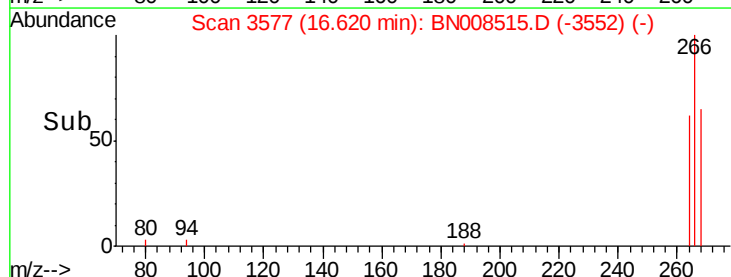
268 63.6 51.0 76.6

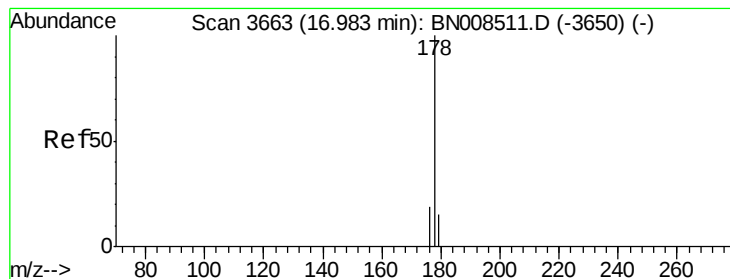


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.419 ng/ul

RT: 16.98 min Scan# 3663

Delta R.T. -0.00 min

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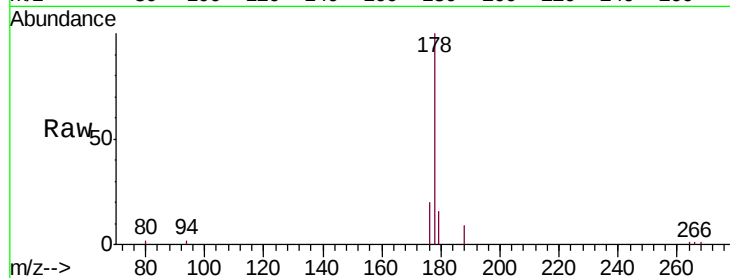
Tgt Ion:178 Resp: 7745

Ion Ratio Lower Upper

178 100

179 16.3 13.2 19.8

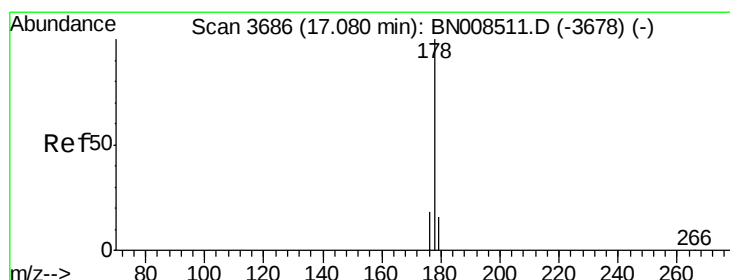
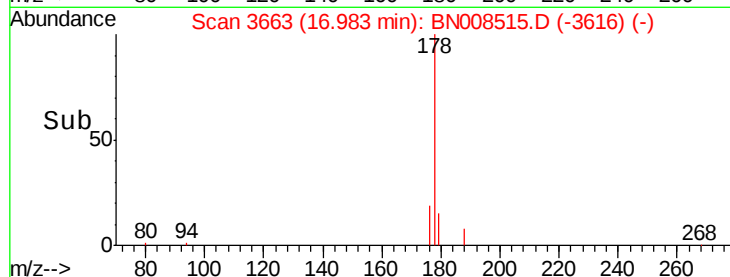
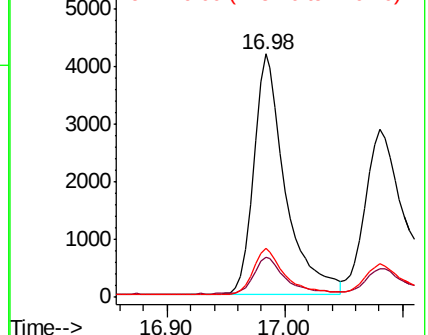
176 20.3 15.6 23.4



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: 0.411 ng/ul

RT: 17.08 min Scan# 3686

Delta R.T. -0.00 min

Lab File: BN008515.D

Acq: 08 Nov 2019 18:49

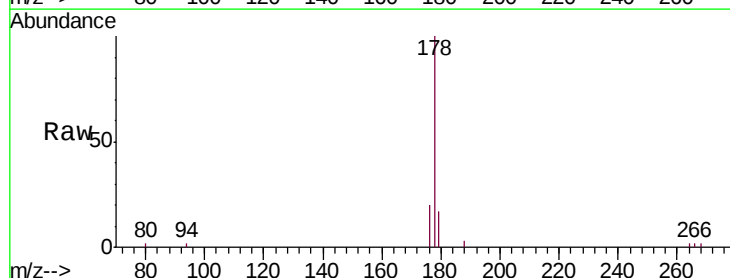
Tgt Ion:178 Resp: 6655

Ion Ratio Lower Upper

178 100

179 17.2 13.7 20.5

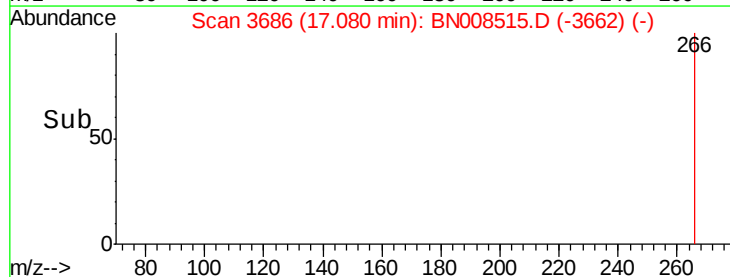
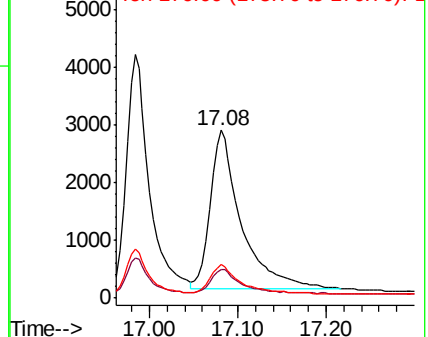
176 19.8 15.7 23.5

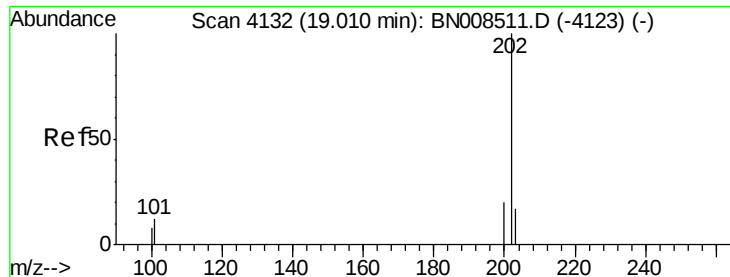


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.433 ng/ul

RT: 19.01 min Scan# 4132

Delta R.T. -0.00 min

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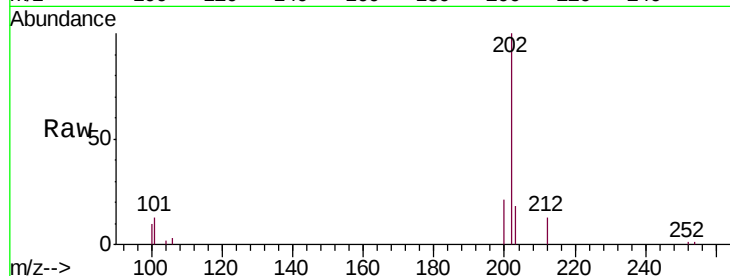
Tgt Ion:202 Resp: 9195

Ion Ratio Lower Upper

202 100

101 13.0 0.0 33.0

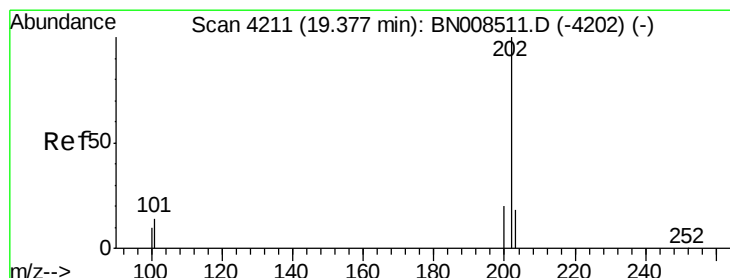
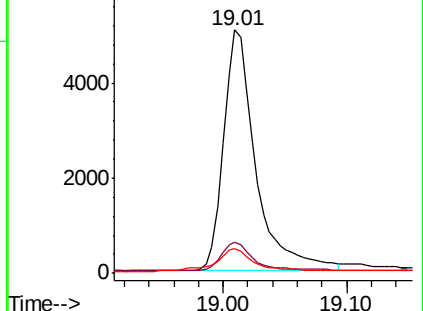
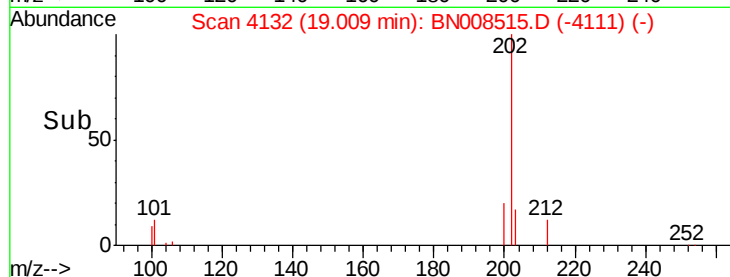
100 10.2 0.0 30.2



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: 0.391 ng/ul

RT: 19.38 min Scan# 4211

Delta R.T. -0.00 min

Lab File: BN008515.D

Acq: 08 Nov 2019 18:49

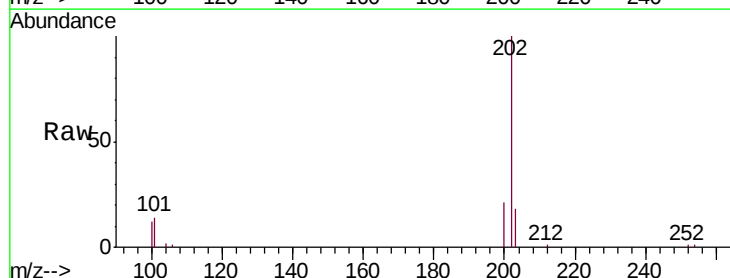
Tgt Ion:202 Resp: 9714

Ion Ratio Lower Upper

202 100

101 14.3 11.6 17.4

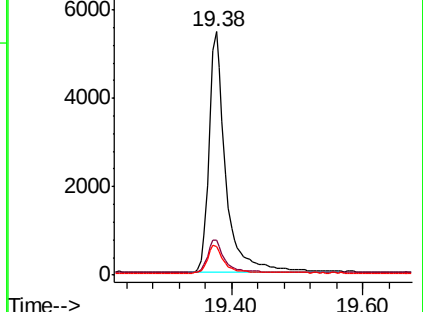
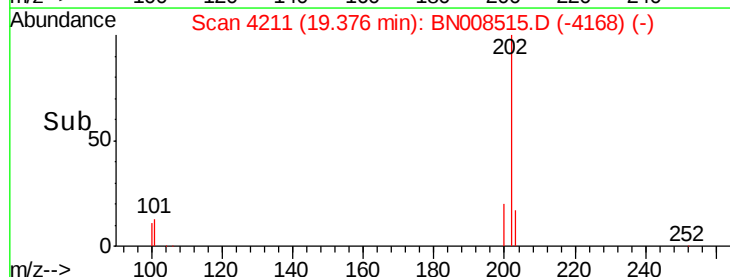
100 11.6 9.4 14.0

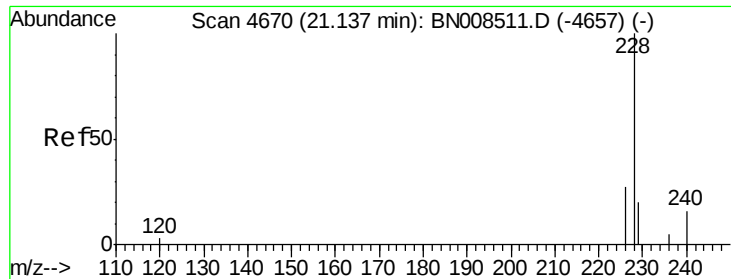


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.394 ng/ul

RT: 21.14 min Scan# 4670

Delta R.T. -0.00 min

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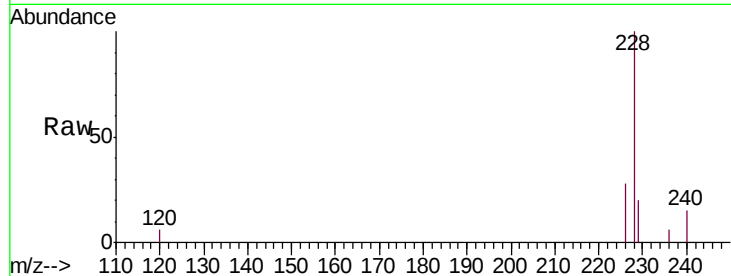
Tgt Ion:228 Resp: 6979

Ion Ratio Lower Upper

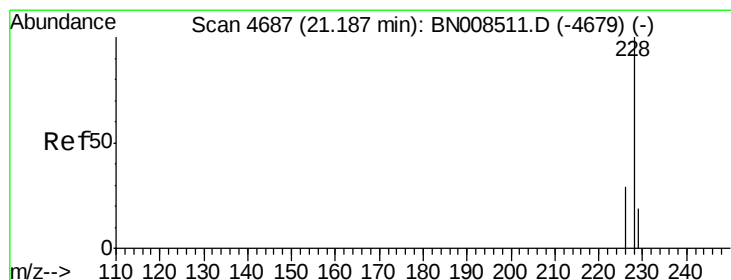
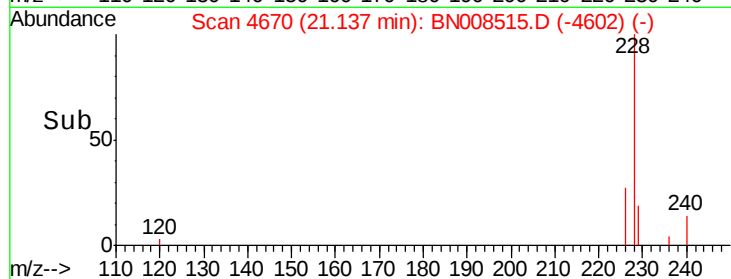
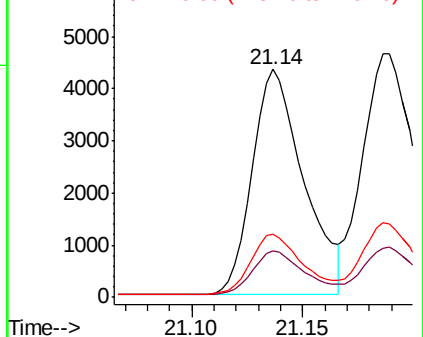
228 100

229 20.4 16.6 24.8

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: 0.426 ng/ul

RT: 21.19 min Scan# 4687

Delta R.T. -0.00 min

Lab File: BN008515.D

Acq: 08 Nov 2019 18:49

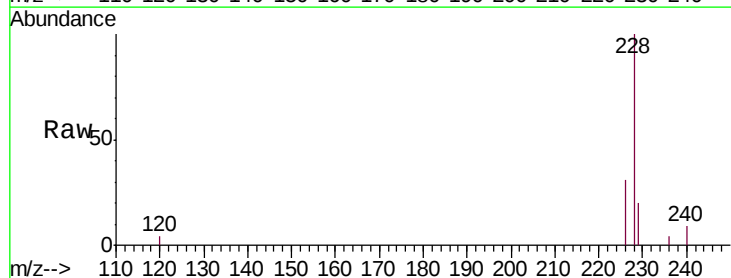
Tgt Ion:228 Resp: 9614

Ion Ratio Lower Upper

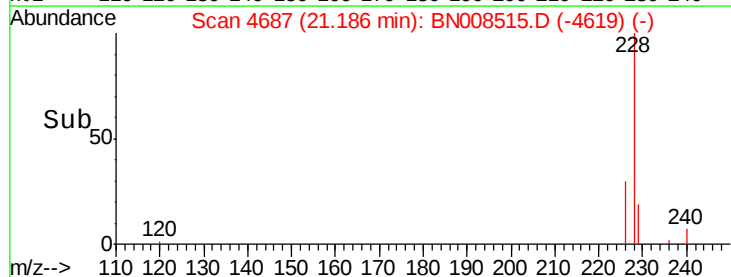
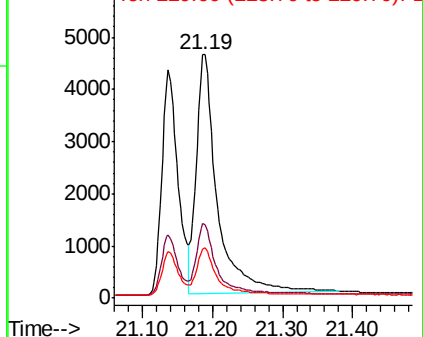
228 100

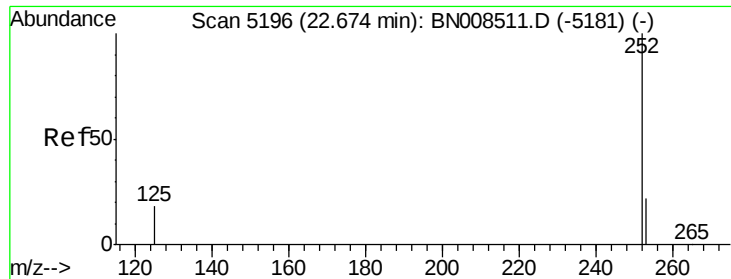
226 30.6 24.9 37.3

229 20.4 16.6 25.0



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: 0.434 ng/ul

RT: 22.67 min Scan# 5196

Delta R.T. -0.00 min

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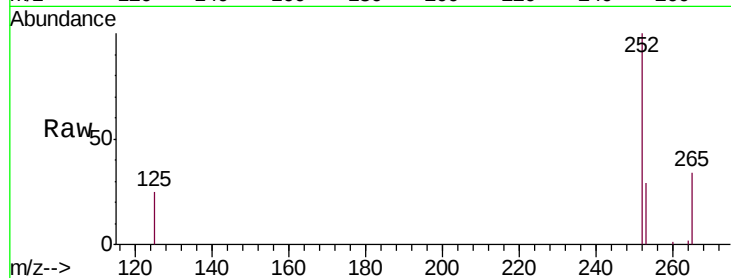
Tgt Ion:252 Resp: 6765

Ion Ratio Lower Upper

252 100

253 28.6 0.0 58.4

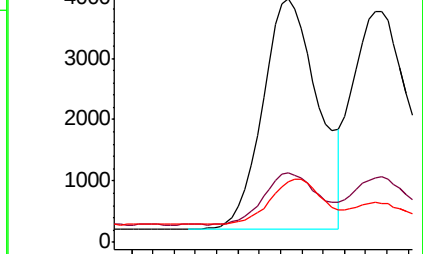
125 25.0 0.0 58.6



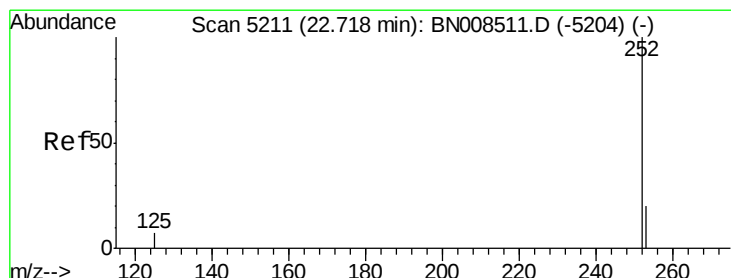
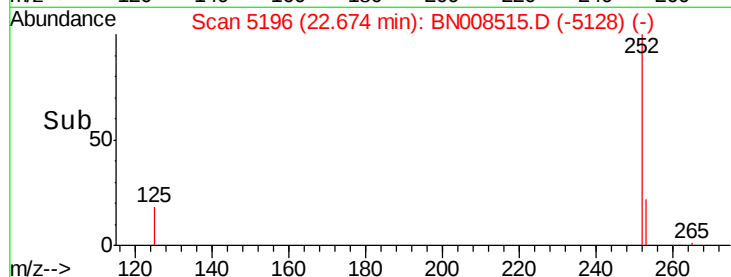
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#22

Benzo(k)fluoranthene

Concen: 0.439 ng/ul

RT: 22.71 min Scan# 5210

Delta R.T. -0.00 min

Lab File: BN008515.D

Acq: 08 Nov 2019 18:49

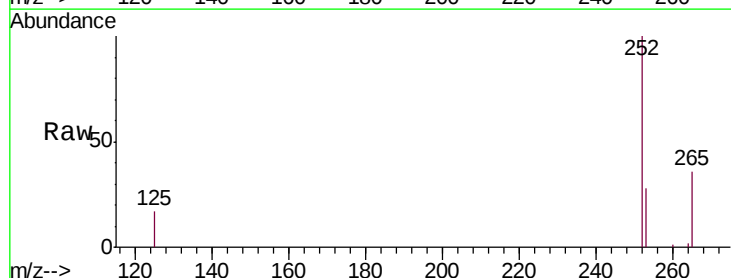
Tgt Ion:252 Resp: 7784

Ion Ratio Lower Upper

252 100

253 28.0 22.6 34.0

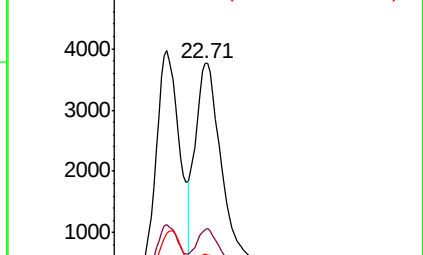
125 17.4 14.7 22.1



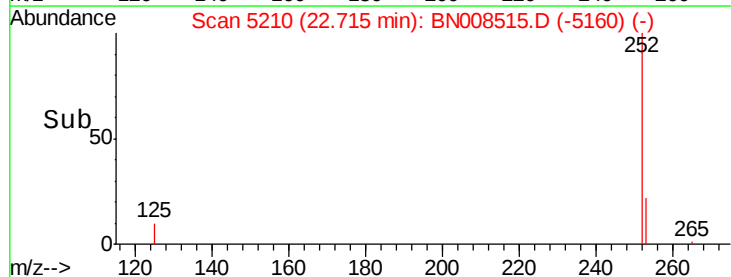
Abundance Ion 252.00 (251.70 to 252.70): E

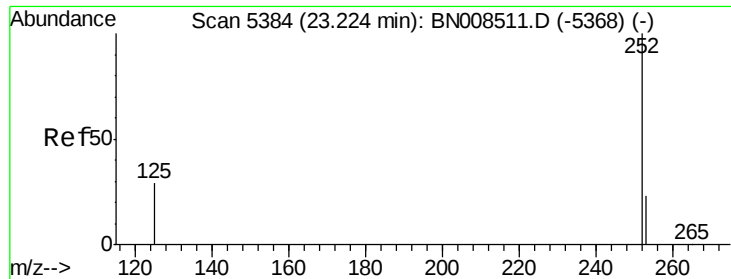
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#23

Benzo(a)pyrene

Concen: 0.414 ng/u1

RT: 23.23 min Scan# 5385

Delta R.T. 0.00 min

Lab File: BN008515.D

Acq: 08 Nov 2019 18:49

Instrument :

BNA_N

ClientSampleId :

SSTD0.408

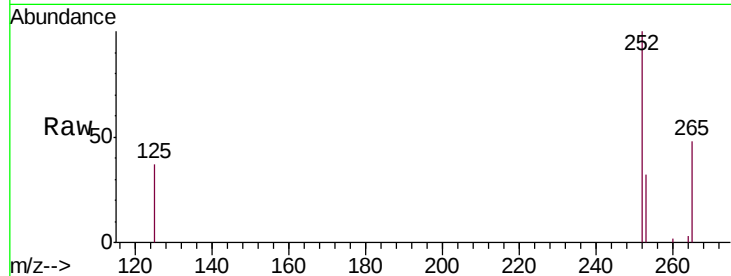
Tgt Ion:252 Resp: 6499

Ion Ratio Lower Upper

252 100

253 31.9 27.2 40.8

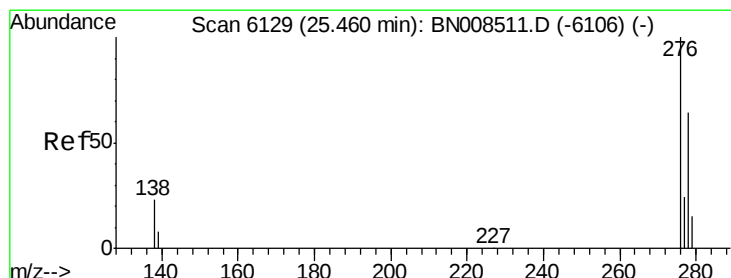
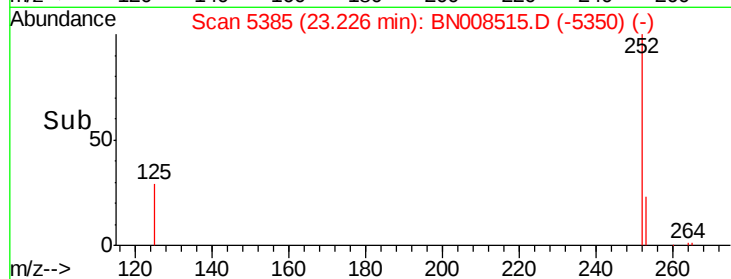
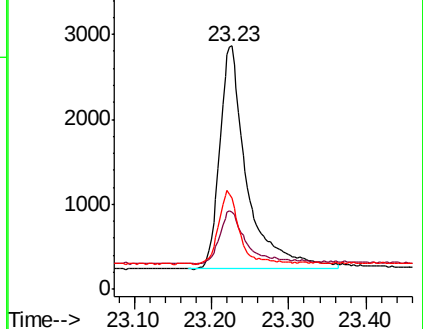
125 37.3 37.0 55.6



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.378 ng/u1

RT: 25.46 min Scan# 6128

Delta R.T. -0.00 min

Lab File: BN008515.D

Acq: 08 Nov 2019 18:49

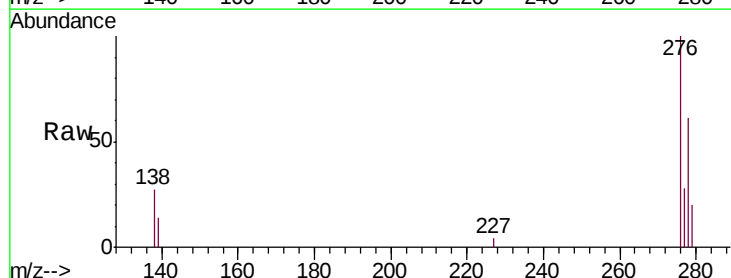
Tgt Ion:276 Resp: 6738

Ion Ratio Lower Upper

276 100

138 23.9 18.3 27.5

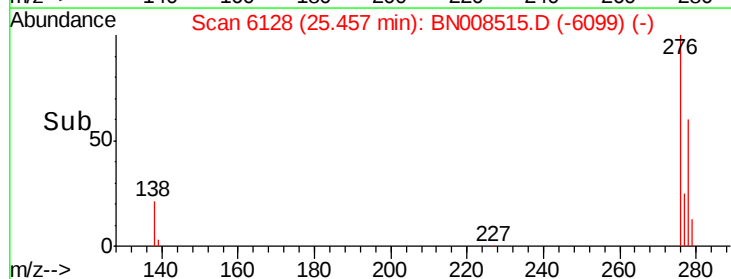
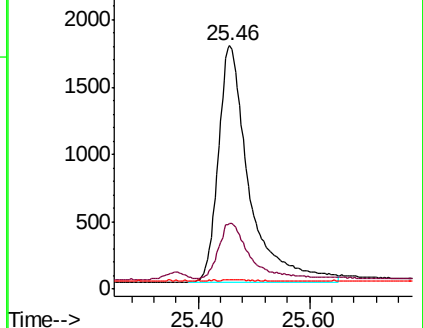
227 0.1 0.0 0.0#

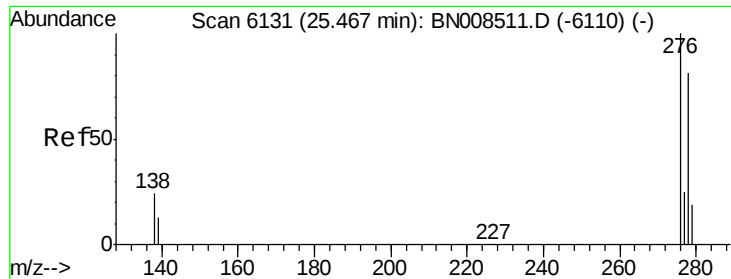


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

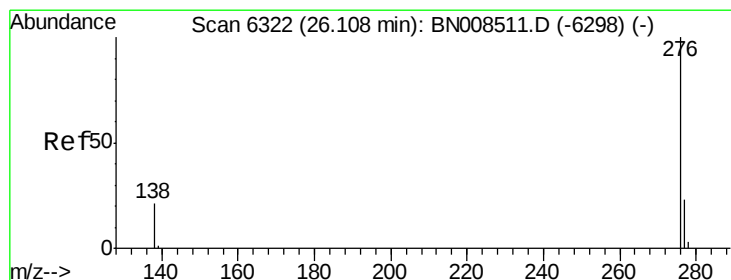
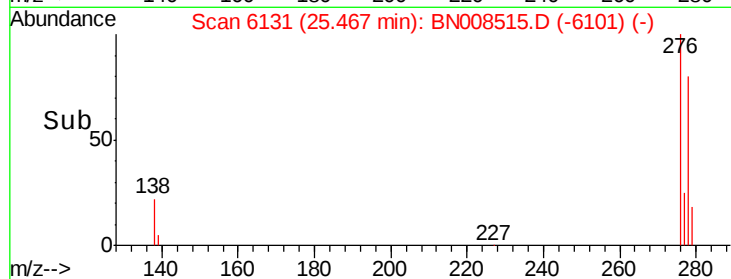
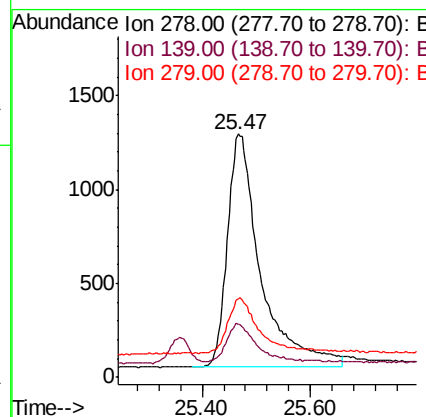
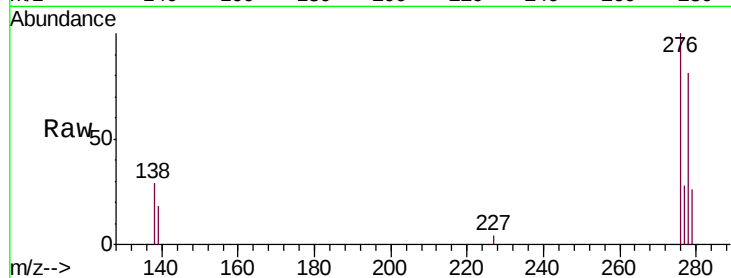




#25
Dibenzo(a,h)anthracene
Concen: 0.374 ng/ul
RT: 25.47 min Scan# 6131
Delta R.T. -0.00 min
Lab File: BN008515.D
Acq: 08 Nov 2019 18:49

Instrument :
BNA_N
ClientSampleId :
SSTD0.408

Tgt Ion: 278 Resp: 5290
Ion Ratio Lower Upper
278 100
139 21.9 17.6 26.4
279 32.1 25.1 37.7



#26
Benzo(g,h,i)perylene
Concen: 0.384 ng/ul
RT: 26.11 min Scan# 6322
Delta R.T. -0.00 min
Lab File: BN008515.D
Acq: 08 Nov 2019 18:49

Tgt Ion: 276 Resp: 6136
Ion Ratio Lower Upper
276 100
138 24.5 20.1 30.1
277 25.6 20.6 31.0

