

Data File : BN008497.D
Acq On : 07 Nov 2019 22:37
Operator : JU
Sample : SSTDCCC0.4EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTD0.405

Quant Time: Nov 08 06:47:33 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 06:44:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	1238	0.40	ng/ul	0.00
2) Naphthalene-d8	10.32	136	5267	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.19	164	2863	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.95	188	6243	0.40	ng/ul	0.00
16) Chrysene-d12	21.15	240	5367	0.40	ng/ul	0.00
20) Perylene-d12	23.32	264	5880	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.92	152	3128	0.38	ng/ul	0.00
14) Fluoranthene-d10	18.98	212	7469	0.40	ng/ul	0.00

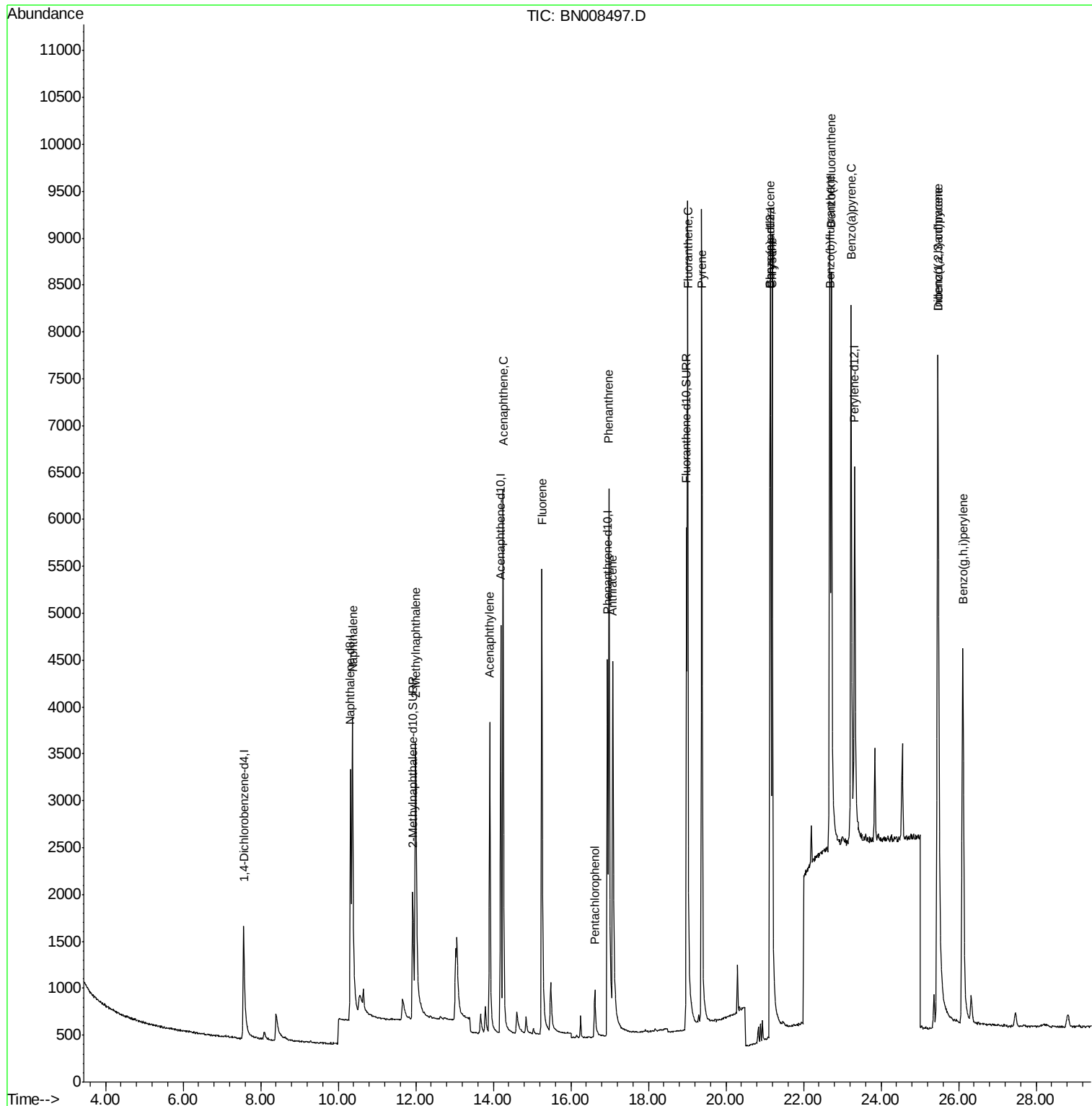
Target Compounds				Qvalue		
3) Naphthalene	10.37	128	6112	0.408	ng/ul	99
5) 2-Methylnaphthalene	12.00	142	3764	0.377	ng/ul	98
7) Acenaphthylene	13.91	152	5025	0.377	ng/ul	99
8) Acenaphthene	14.25	153	4090	0.379	ng/ul	98
9) Fluorene	15.25	166	4589	0.388	ng/ul	100
11) Pentachlorophenol	16.62	266	554	0.408	ng/ul	100
12) Phenanthrene	16.98	178	7641	0.403	ng/ul	99
13) Anthracene	17.08	178	6629	0.399	ng/ul	100
15) Fluoranthene	19.01	202	8844	0.406	ng/ul	98
17) Pyrene	19.38	202	9280	0.354	ng/ul	99
18) Benzo(a)anthracene	21.14	228	7637	0.409	ng/ul	99
19) Chrysene	21.19	228	9586	0.403	ng/ul	99
21) Benzo(b)fluoranthene	22.68	252	8612	0.393	ng/ul	94
22) Benzo(k)fluoranthene	22.72	252	9442	0.379	ng/ul	97
23) Benzo(a)pyrene	23.23	252	8806	0.399	ng/ul	91
24) Indeno(1,2,3-cd)pyrene	25.46	276	10536	0.420	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.47	278	8310	0.418	ng/ul	96
26) Benzo(g,h,i)perylene	26.11	276	9466	0.421	ng/ul	99

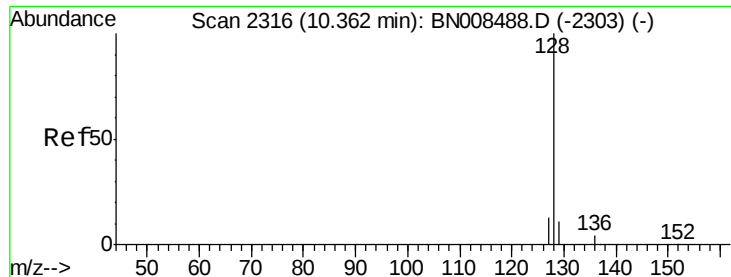
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.408 ng/ul

RT: 10.37 min Scan# 2317

Delta R.T. 0.01 min

Lab File: BN008497.D

Acq: 07 Nov 2019 22:37

Instrument :

BNA_N

ClientSampleId :

SSTD0.405

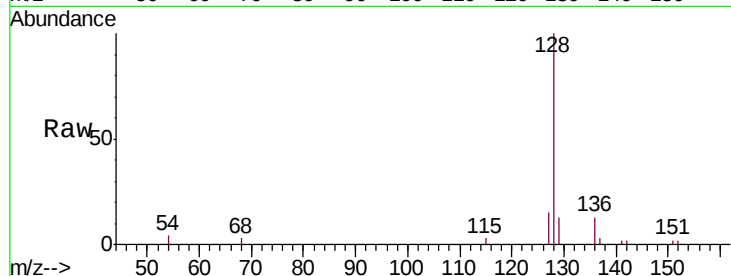
Tgt Ion:128 Resp: 6112

Ion Ratio Lower Upper

128 100

129 12.9 10.0 15.0

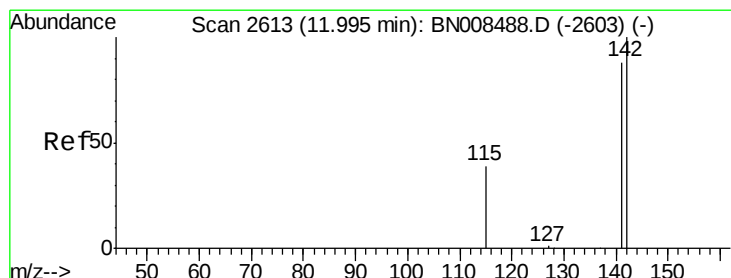
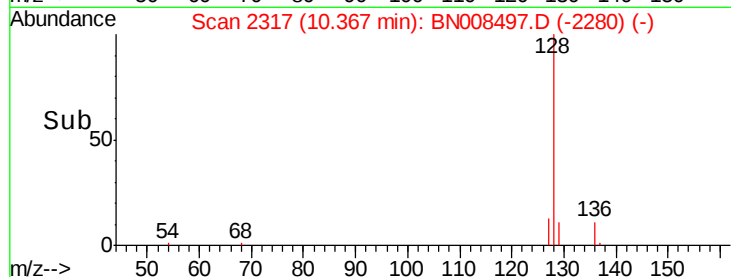
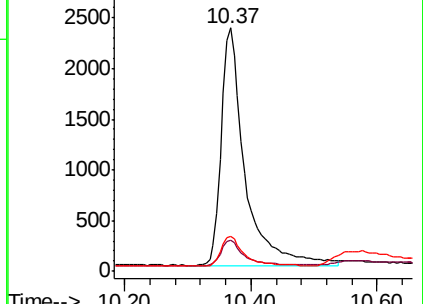
127 14.6 11.6 17.4



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: 0.377 ng/ul

RT: 12.00 min Scan# 2613

Delta R.T. 0.00 min

Lab File: BN008497.D

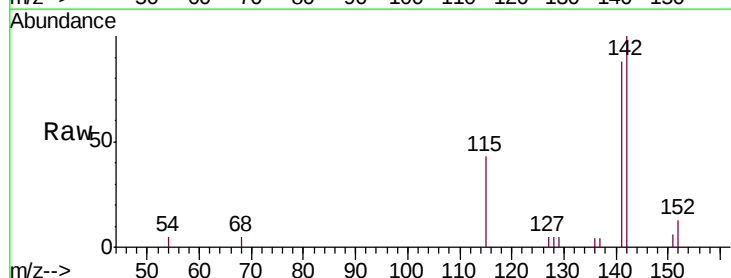
Acq: 07 Nov 2019 22:37

Tgt Ion:142 Resp: 3764

Ion Ratio Lower Upper

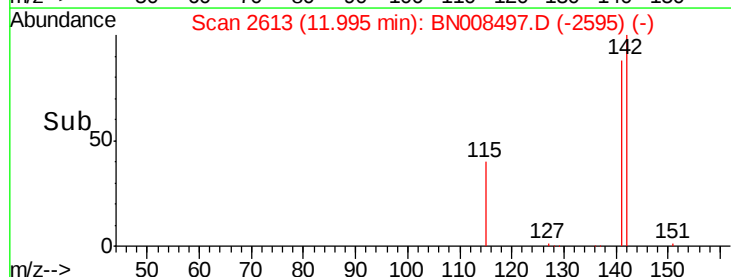
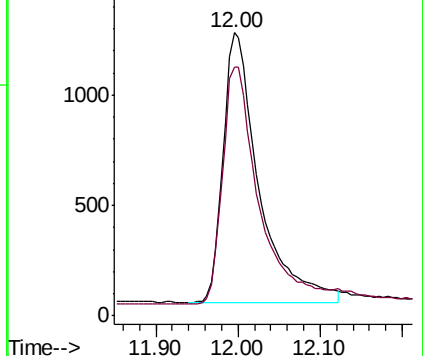
142 100

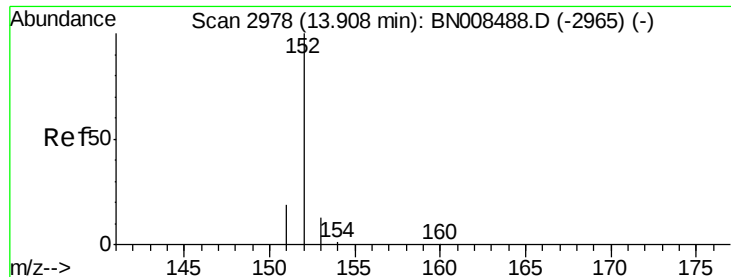
141 89.4 72.8 109.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.377 ng/ul

RT: 13.91 min Scan# 2978

Delta R.T. 0.00 min

Lab File: BN008497.D

Acq: 07 Nov 2019 22:37

Instrument :

BNA_N

ClientSampleId :

SSTD0.405

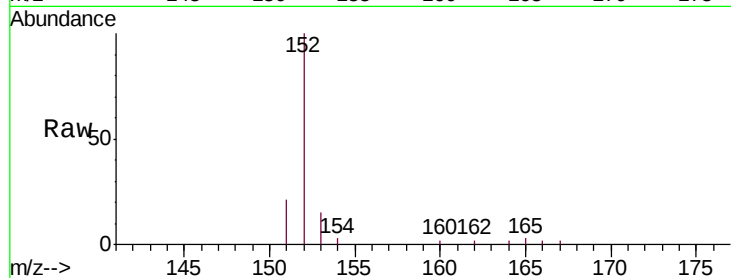
Tgt Ion:152 Resp: 5025

Ion Ratio Lower Upper

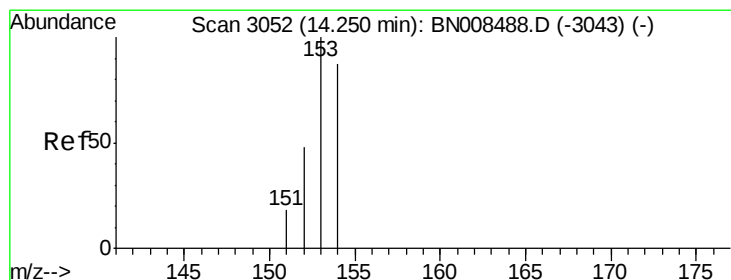
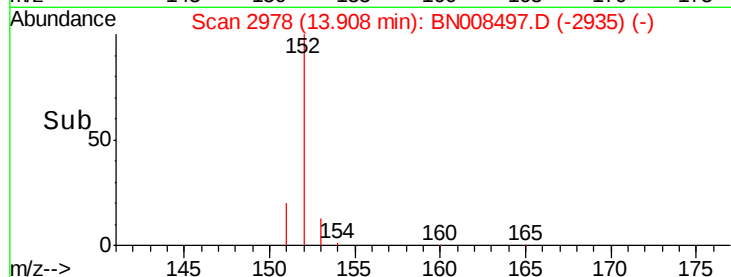
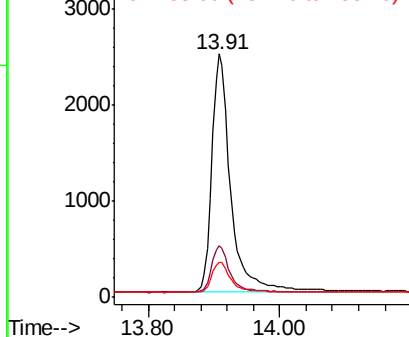
152 100

151 21.3 16.7 25.1

153 14.6 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: 0.379 ng/ul

RT: 14.25 min Scan# 3052

Delta R.T. 0.00 min

Lab File: BN008497.D

Acq: 07 Nov 2019 22:37

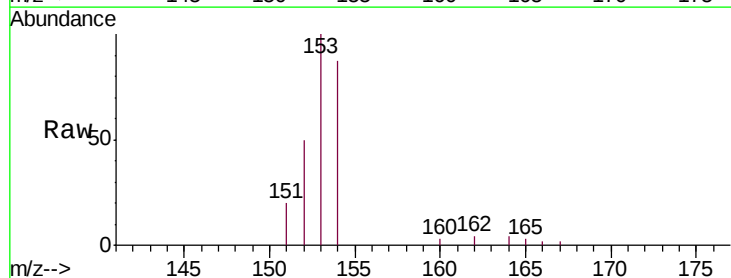
Tgt Ion:153 Resp: 4090

Ion Ratio Lower Upper

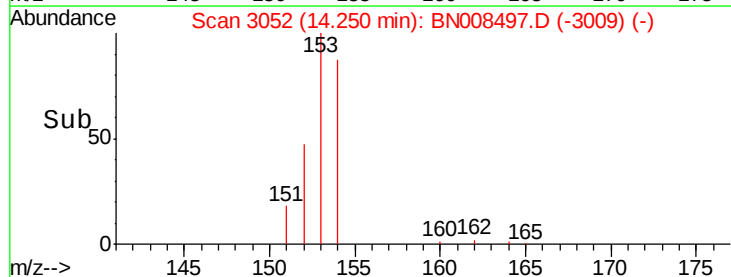
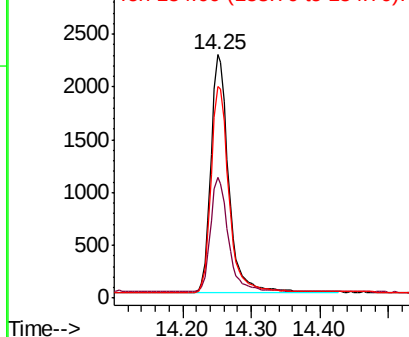
153 100

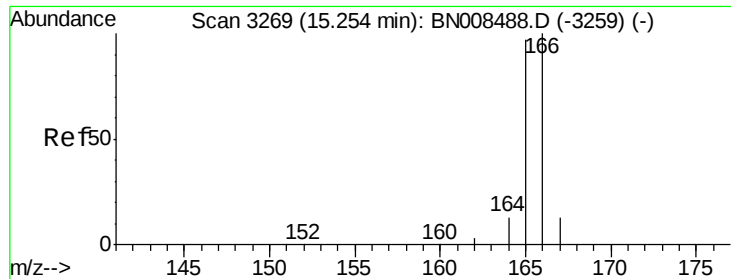
152 49.7 39.8 59.8

154 87.1 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: 0.388 ng/ul

RT: 15.25 min Scan# 3269

Delta R.T. 0.00 min

Lab File: BN008497.D

Acq: 07 Nov 2019 22:37

Instrument :

BNA_N

ClientSampleId :

SSTD0.405

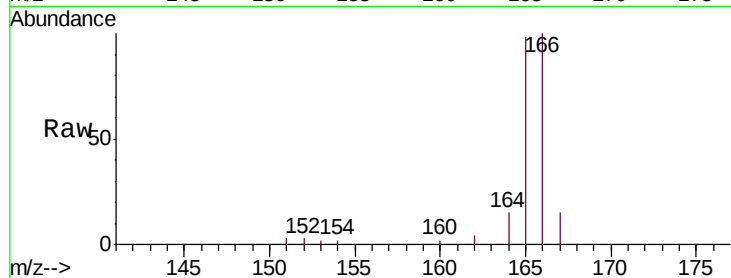
Tgt Ion:166 Resp: 4589

Ion Ratio Lower Upper

166 100

165 97.9 78.2 117.2

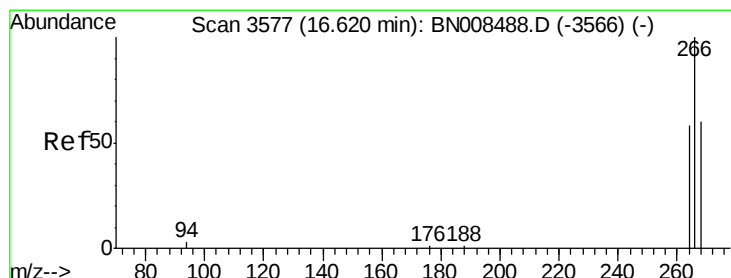
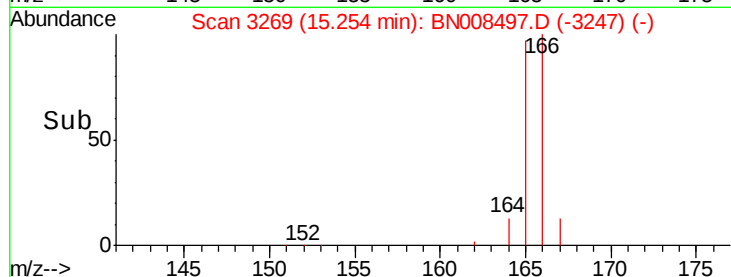
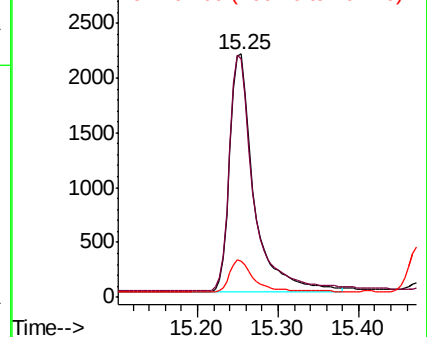
167 15.1 12.1 18.1



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: 0.408 ng/ul

RT: 16.62 min Scan# 3576

Delta R.T. -0.00 min

Lab File: BN008497.D

Acq: 07 Nov 2019 22:37

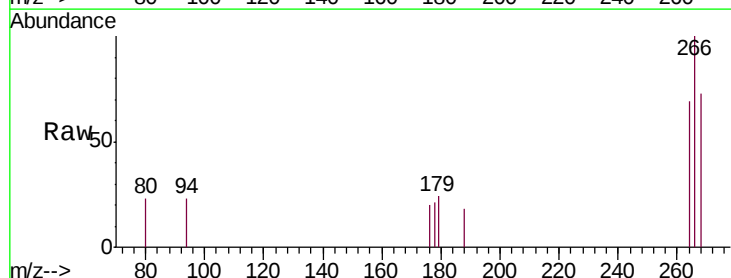
Tgt Ion:266 Resp: 554

Ion Ratio Lower Upper

266 100

264 62.6 49.8 74.8

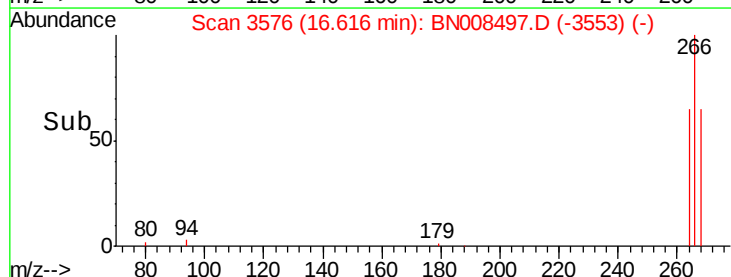
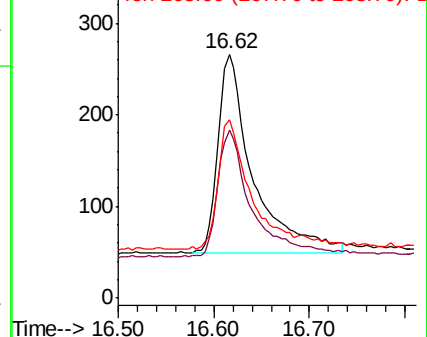
268 64.1 51.0 76.6

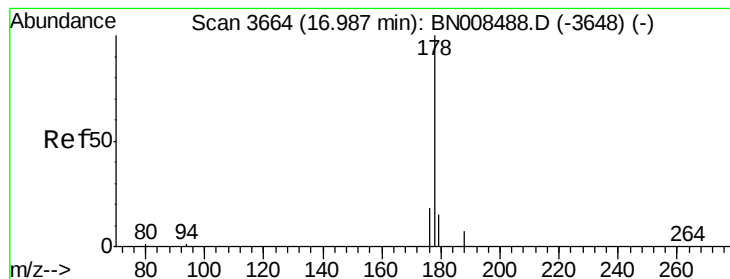


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.403 ng/ul

RT: 16.98 min Scan# 3663

Delta R.T. -0.00 min

Lab File: BN008497.D

Acq: 07 Nov 2019 22:37

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SSTD0.405

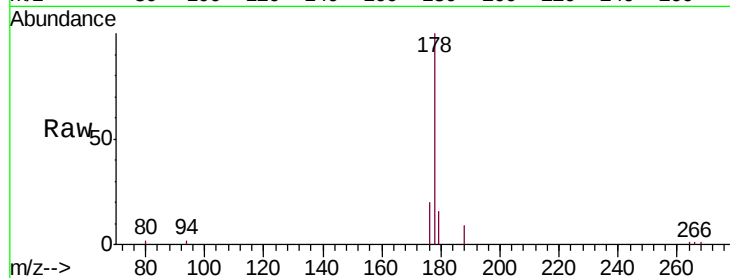
Tgt Ion:178 Resp: 7641

Ion Ratio Lower Upper

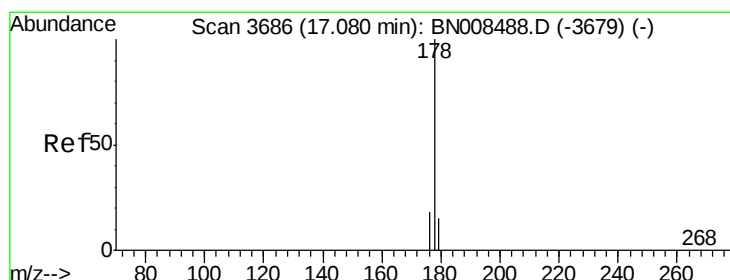
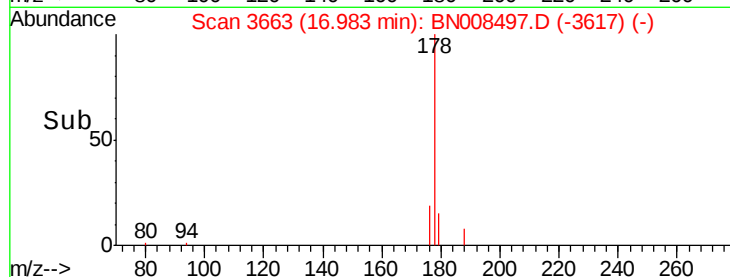
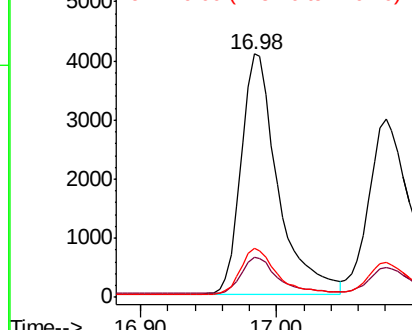
178 100

179 16.2 13.2 19.8

176 20.2 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: 0.399 ng/ul

RT: 17.08 min Scan# 3686

Delta R.T. 0.00 min

Lab File: BN008497.D

Acq: 07 Nov 2019 22:37

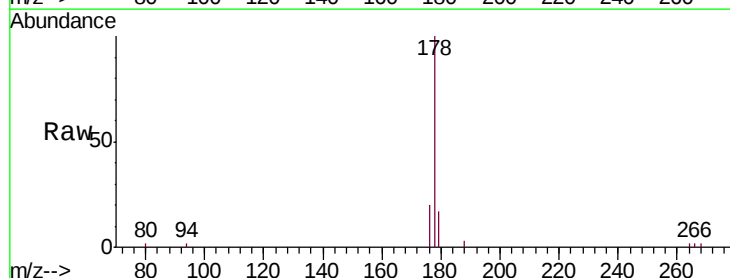
Tgt Ion:178 Resp: 6629

Ion Ratio Lower Upper

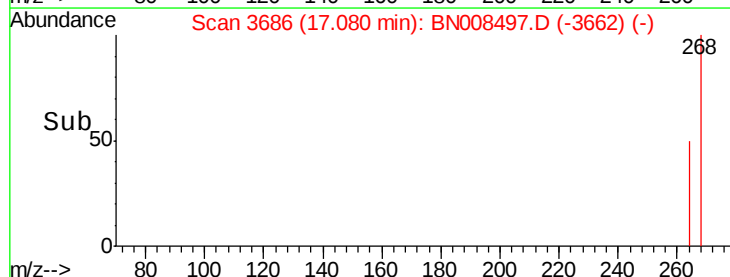
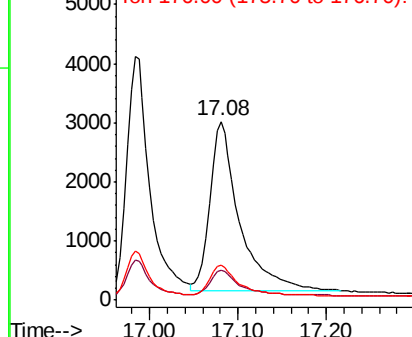
178 100

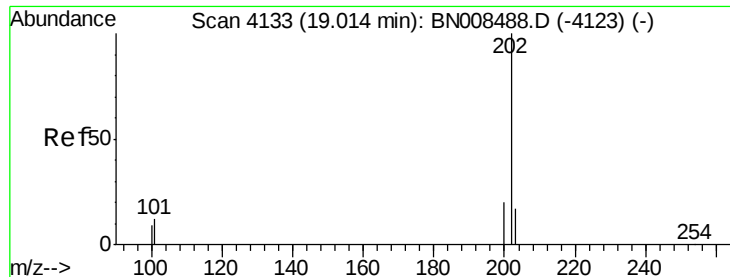
179 16.7 13.7 20.5

176 19.7 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: 0.406 ng/ul

RT: 19.01 min Scan# 4133

Delta R.T. 0.00 min

Lab File: BN008497.D

Acq: 07 Nov 2019 22:37

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BNA_N

ClientSampleId :

SSTD0.405

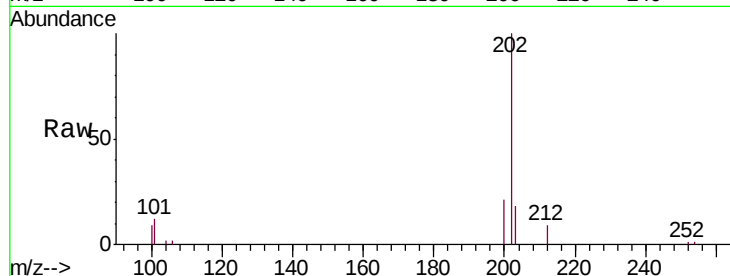
Tgt Ion:202 Resp: 8844

Ion Ratio Lower Upper

202 100

101 12.1 0.0 33.0

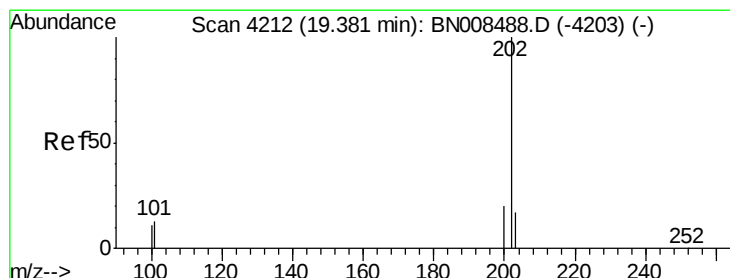
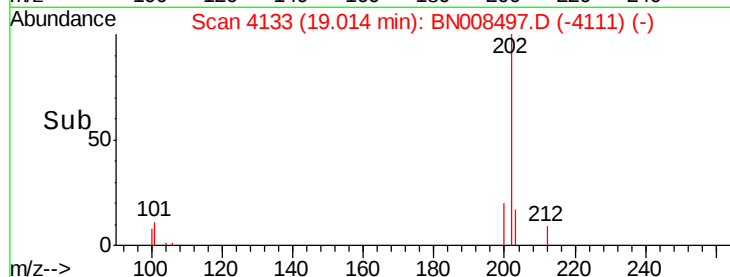
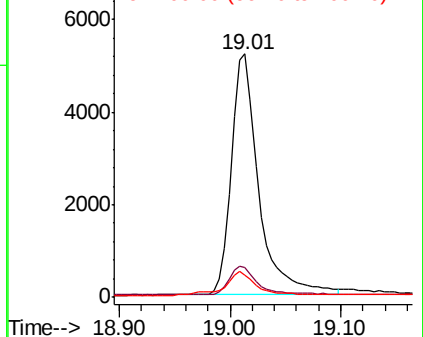
100 9.3 0.0 30.2



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: 0.354 ng/ul

RT: 19.38 min Scan# 4211

Delta R.T. -0.00 min

Lab File: BN008497.D

Acq: 07 Nov 2019 22:37

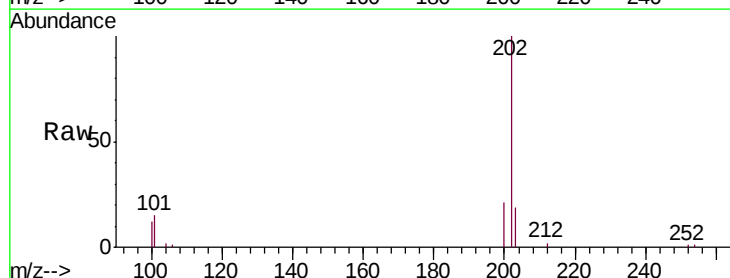
Tgt Ion:202 Resp: 9280

Ion Ratio Lower Upper

202 100

101 14.8 11.6 17.4

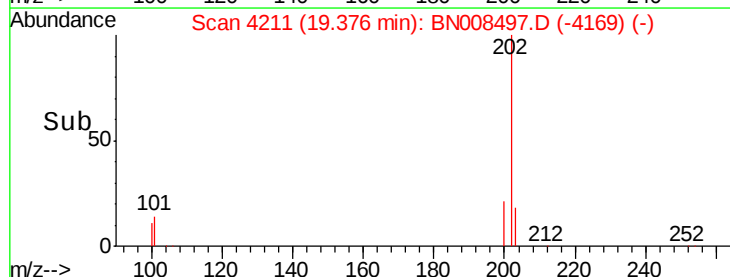
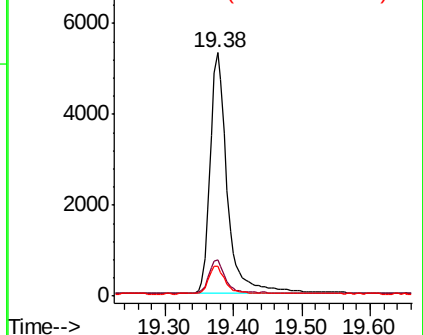
100 12.1 9.4 14.0

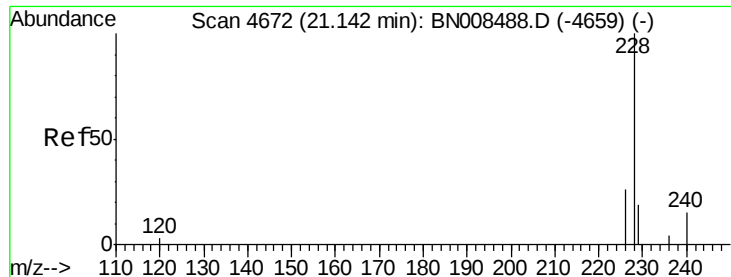


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.409 ng/ul

RT: 21.14 min Scan# 4670

Delta R.T. -0.01 min

Lab File: BN008497.D

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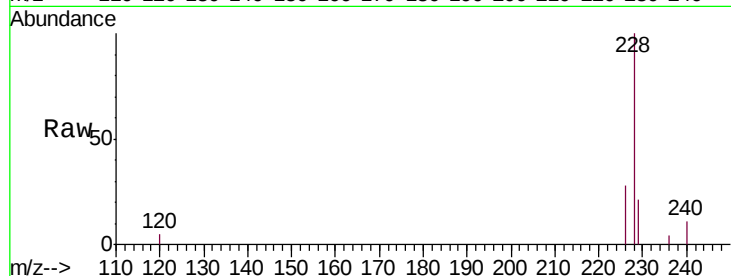
Tgt Ion:228 Resp: 7637

Ion Ratio Lower Upper

228 100

229 20.7 16.6 24.8

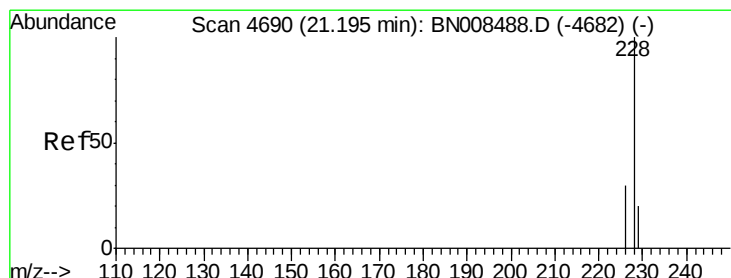
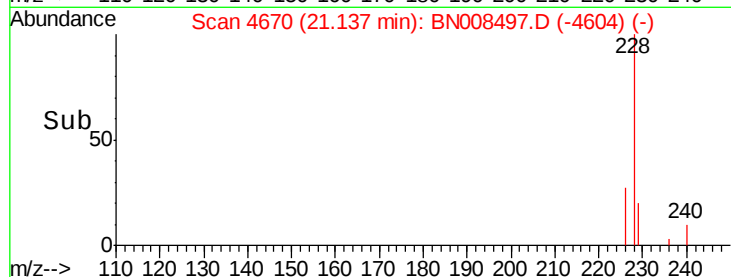
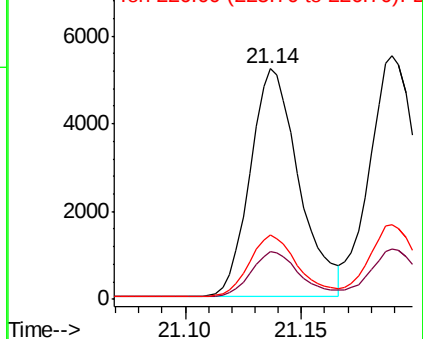
226 27.8 22.8 34.2



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: 0.403 ng/ul

RT: 21.19 min Scan# 4688

Delta R.T. -0.01 min

Lab File: BN008497.D

Acq: 07 Nov 2019 22:37

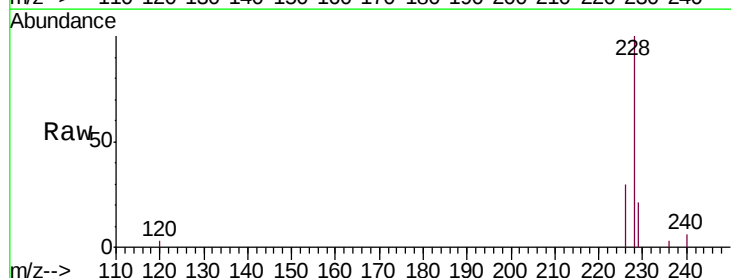
Tgt Ion:228 Resp: 9586

Ion Ratio Lower Upper

228 100

226 30.5 24.9 37.3

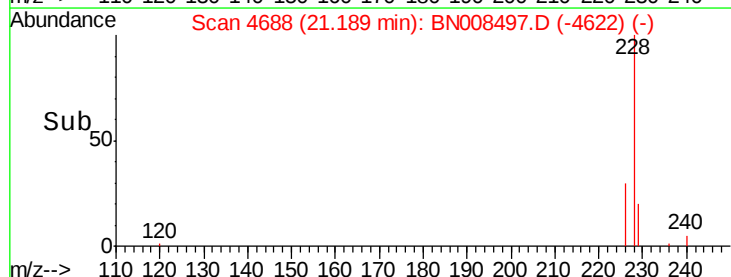
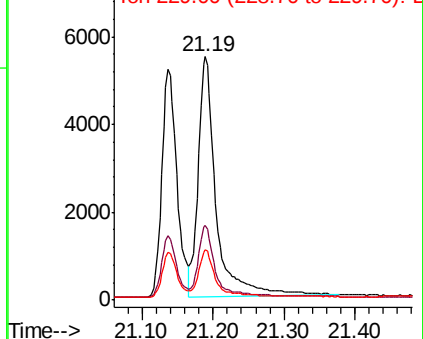
229 20.6 16.6 25.0

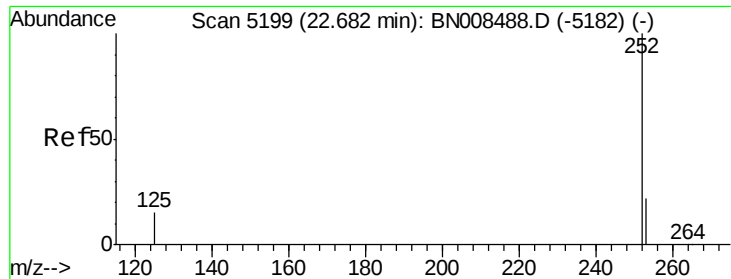


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.393 ng/ul

RT: 22.68 min Scan# 5197

Delta R.T. -0.01 min

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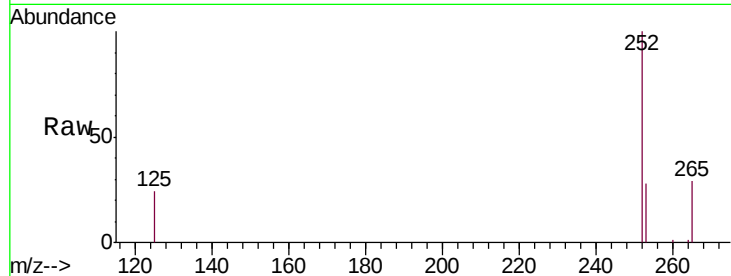
Tgt Ion:252 Resp: 8612

Ion Ratio Lower Upper

252 100

253 28.2 0.0 58.4

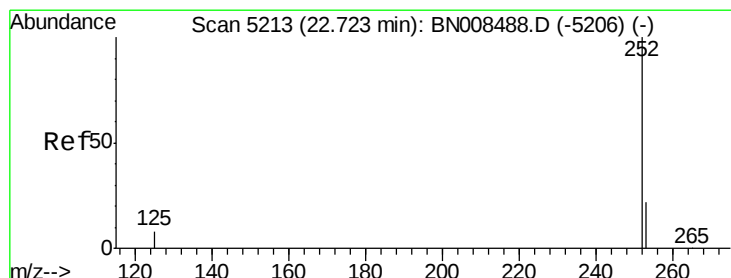
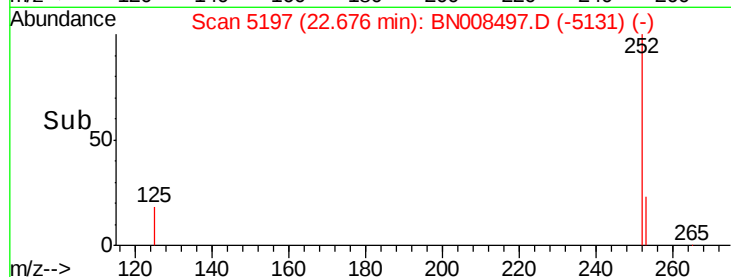
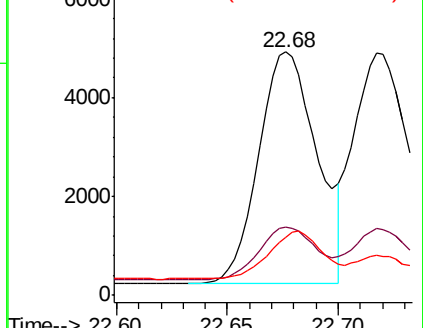
125 24.1 0.0 58.6



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



#22

Benzo(k)fluoranthene

Concen: 0.379 ng/ul

RT: 22.72 min Scan# 5211

Delta R.T. -0.01 min

Lab File: BN008497.D

Acq: 07 Nov 2019 22:37

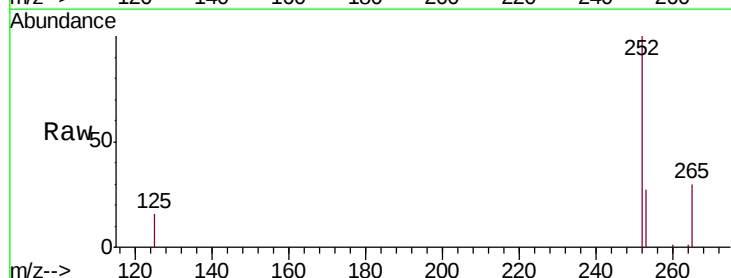
Tgt Ion:252 Resp: 9442

Ion Ratio Lower Upper

252 100

253 27.4 22.6 34.0

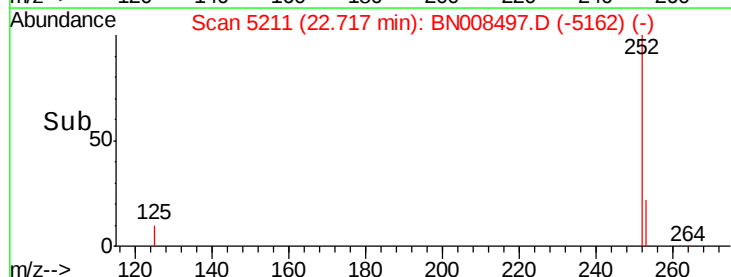
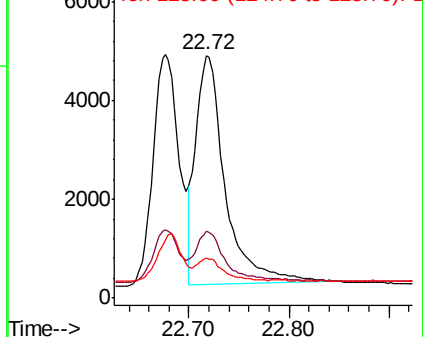
125 16.4 14.7 22.1

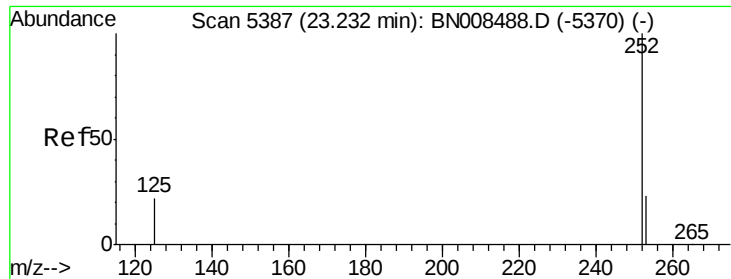


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.399 ng/u1

RT: 23.23 min Scan# 5385

Delta R.T. -0.01 min

Lab File: BN008497.D

Acq: 07 Nov 2019 22:37

Instrument :

BNA_N

ClientSampleId :

SSTD0.405

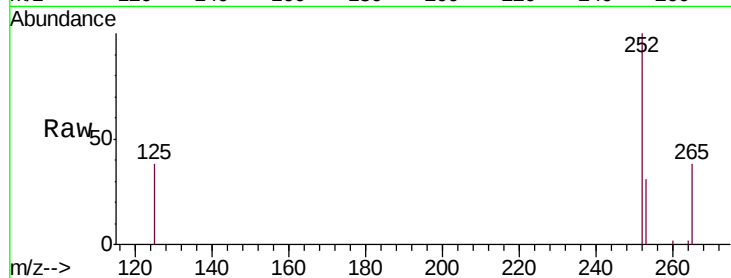
Tgt Ion:252 Resp: 8806

Ion Ratio Lower Upper

252 100

253 30.8 27.2 40.8

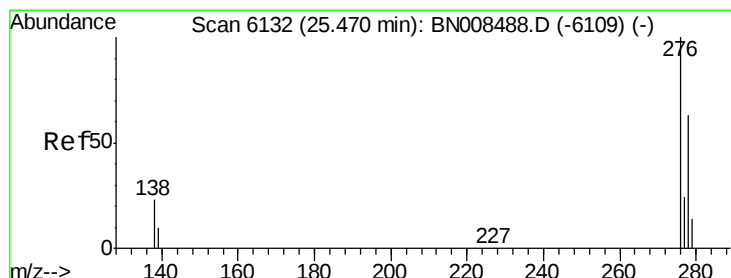
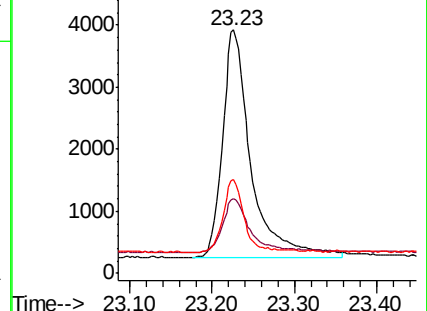
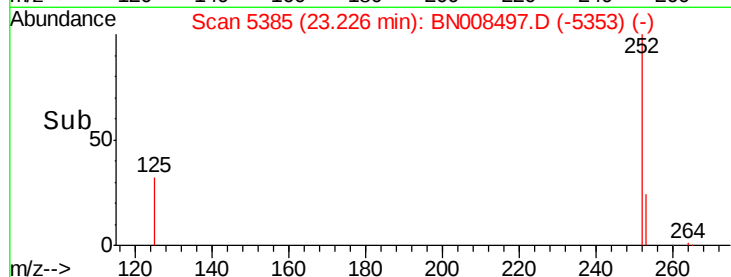
125 38.5 37.0 55.6



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: 0.420 ng/u1

RT: 25.46 min Scan# 6129

Delta R.T. -0.01 min

Lab File: BN008497.D

Acq: 07 Nov 2019 22:37

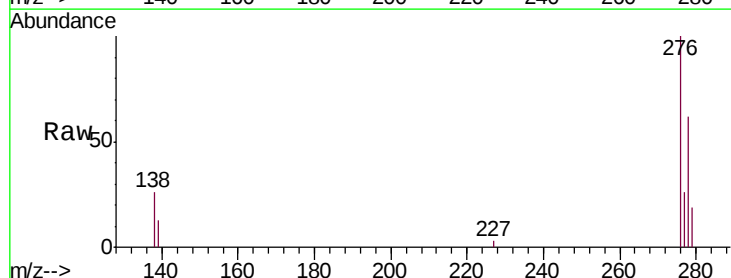
Tgt Ion:276 Resp: 10536

Ion Ratio Lower Upper

276 100

138 22.8 18.3 27.5

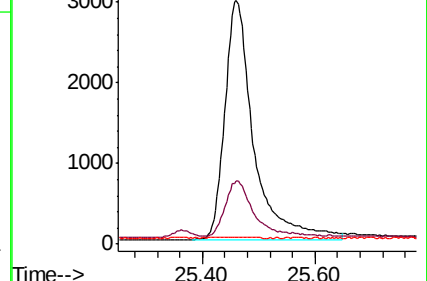
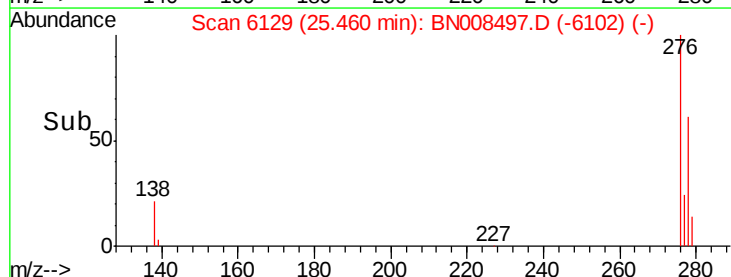
227 0.1 0.0 0.0#

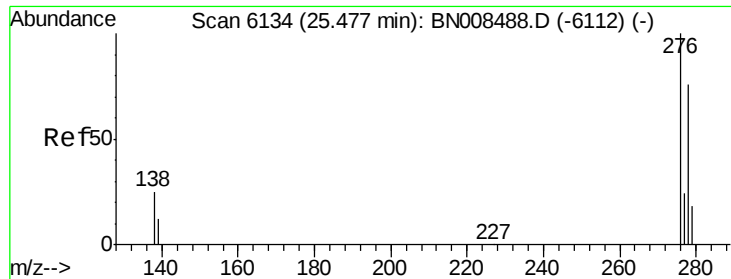


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.418 ng/ul

RT: 25.47 min Scan# 6132

Delta R.T. -0.01 min

Lab File: BN008497.D

Acq: 07 Nov 2019 22:37

Instrument :

BNA_N

ClientSampleId :

SSTD0.405

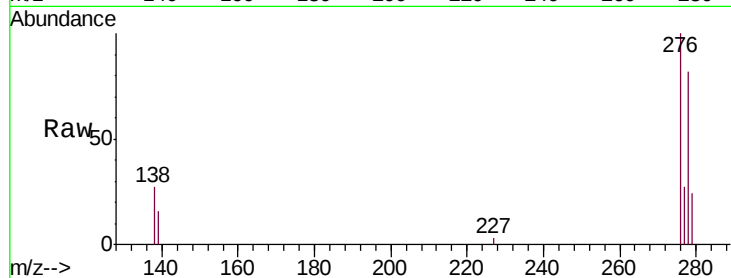
Tgt Ion:278 Resp: 8310

Ion Ratio Lower Upper

278 100

139 19.9 17.6 26.4

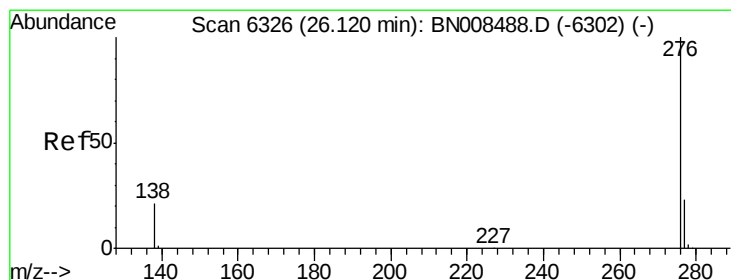
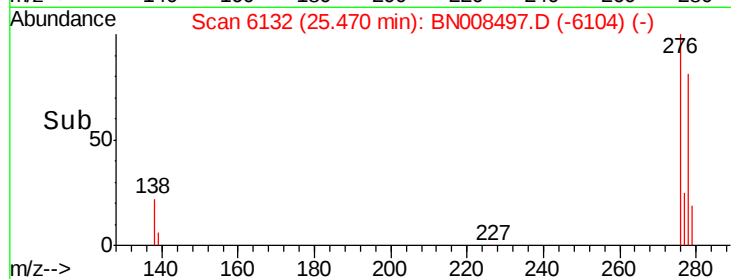
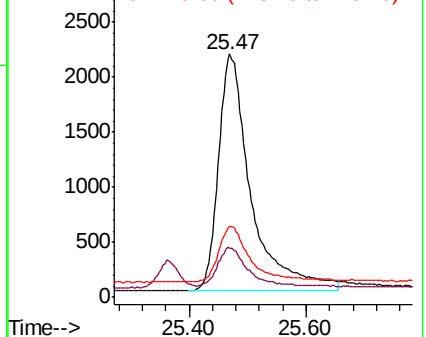
279 29.3 25.1 37.7



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: 0.421 ng/ul

RT: 26.11 min Scan# 6323

Delta R.T. -0.01 min

Lab File: BN008497.D

Acq: 07 Nov 2019 22:37

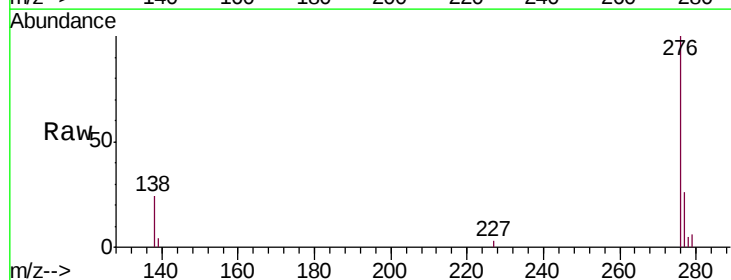
Tgt Ion:276 Resp: 9466

Ion Ratio Lower Upper

276 100

138 24.1 20.1 30.1

277 25.9 20.6 31.0



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

