

Data File : BN003405.D
Acq On : 02 Nov 2018 16:19
Operator : MJ/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTD0.435

Quant Time: Nov 02 23:17:54 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN110118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 02 23:13:48 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	9640	0.40	ng/ul	0.00
2) Naphthalene-d8	10.65	136	39707	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.49	164	21741	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.23	188	48945	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	45723	0.40	ng/ul	0.00
20) Perylene-d12	23.73	264	37340	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.24	152	25157	0.40	ng/ul	0.00
14) Fluoranthene-d10	19.26	212	57261	0.42	ng/ul	0.00

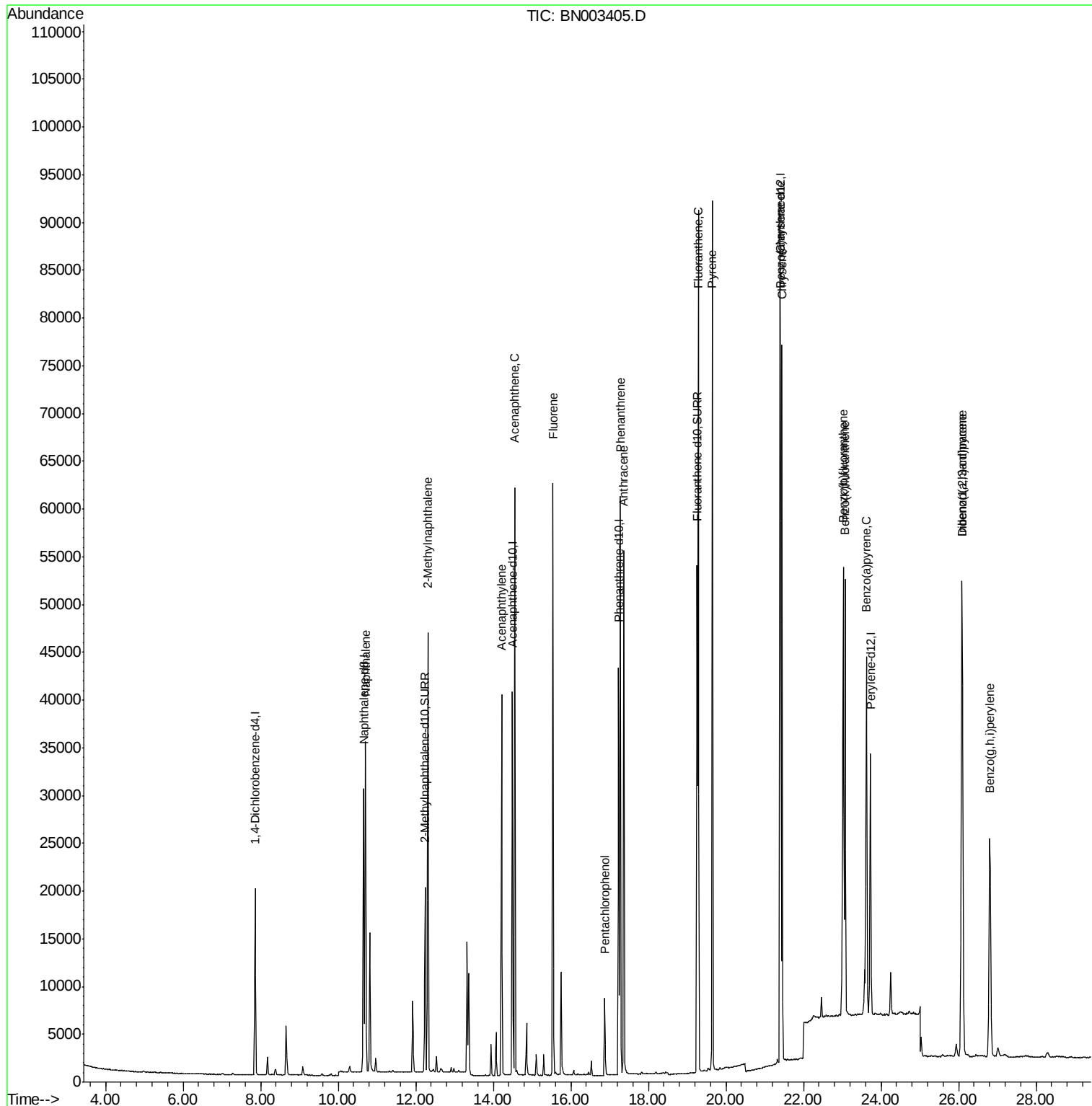
Target Compounds					Qvalue
3) Naphthalene	10.70	128	45764	0.411	ng/ul 100
5) 2-Methylnaphthalene	12.31	142	32565	0.407	ng/ul 100
7) Acenaphthylene	14.21	152	44979	0.476	ng/ul 99
8) Acenaphthene	14.55	153	34279	0.406	ng/ul 99
9) Fluorene	15.54	166	38892	0.391	ng/ul 100
11) Pentachlorophenol	16.88	266	5375	0.548	ng/ul 99
12) Phenanthrene	17.28	178	63661	0.397	ng/ul 100
13) Anthracene	17.36	178	58782	0.449	ng/ul 100
15) Fluoranthene	19.29	202	74241	0.412	ng/ul 100
17) Pyrene	19.65	202	74846	0.450	ng/ul 99
18) Benzo(a)anthracene	21.40	228	68414	0.477	ng/ul 99
19) Chrysene	21.45	228	64099	0.393	ng/ul 99
21) Benzo(b)fluoranthene	23.02	252	59368	0.369	ng/ul 97
22) Benzo(k)fluoranthene	23.07	252	56997	0.366	ng/ul 96
23) Benzo(a)pyrene	23.62	252	53954	0.402	ng/ul 96
24) Indeno(1,2,3-cd)pyrene	26.09	276	59100	0.411	ng/ul 100
25) Dibenzo(a,h)anthracene	26.10	278	47878	0.408	ng/ul 96
26) Benzo(g,h,i)perylene	26.81	276	49398	0.400	ng/ul 97

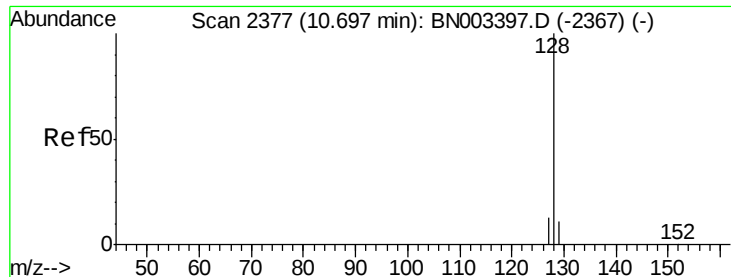
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.411 ng/ul

RT: 10.70 min Scan# 2378

Delta R.T. 0.01 min

Lab File: BN003405.D

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Instrument :

BNA_N

ClientSampleId :

SSTD0.435

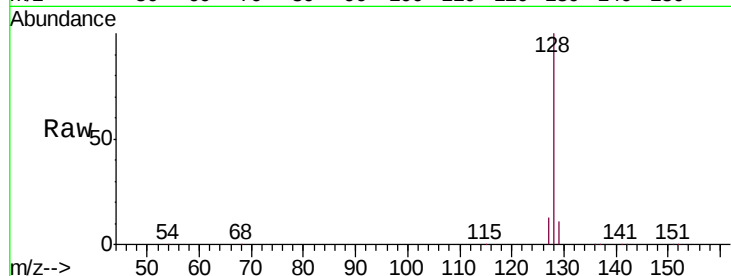
Tgt Ion:128 Resp: 45764

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.6

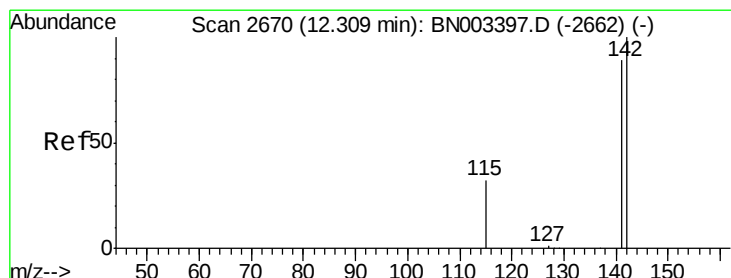
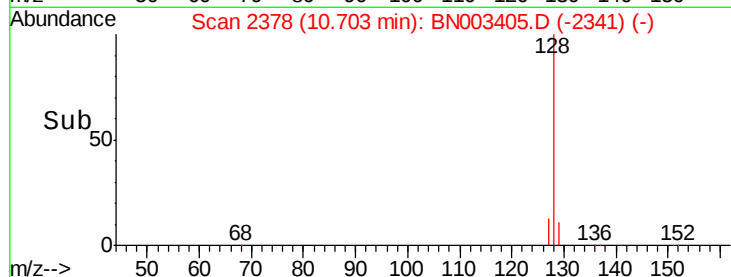
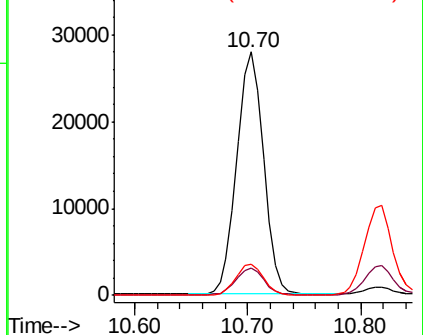
127 13.0 10.5 15.7



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: 0.407 ng/ul

RT: 12.31 min Scan# 2671

Delta R.T. 0.01 min

Lab File: BN003405.D

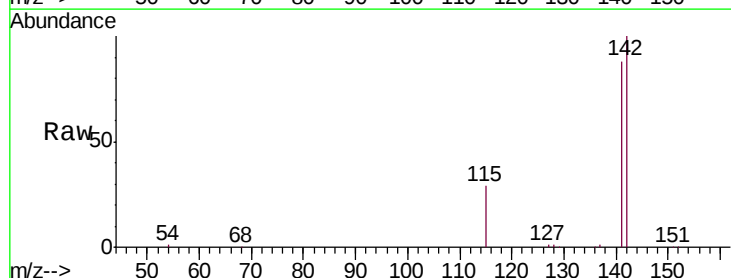
Acq: 02 Nov 2018 16:19

Tgt Ion:142 Resp: 32565

Ion Ratio Lower Upper

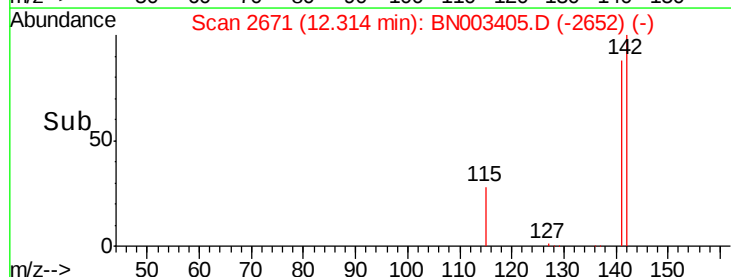
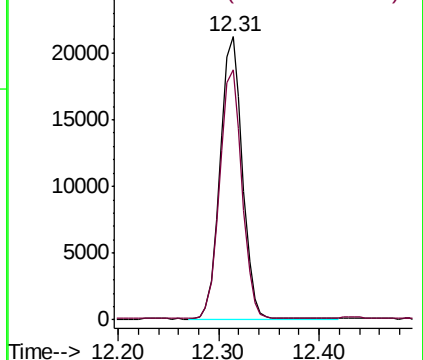
142 100

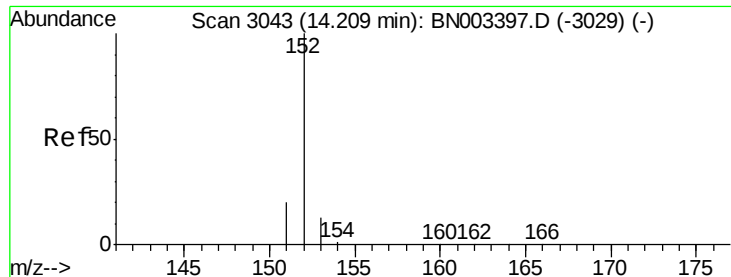
141 88.8 71.2 106.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.476 ng/ul

RT: 14.21 min Scan# 3044

Delta R.T. 0.00 min

Lab File: BN003405.D

Acq: 02 Nov 2018 16:19

Instrument :

BNA_N

ClientSampleId :

SSTD0.435

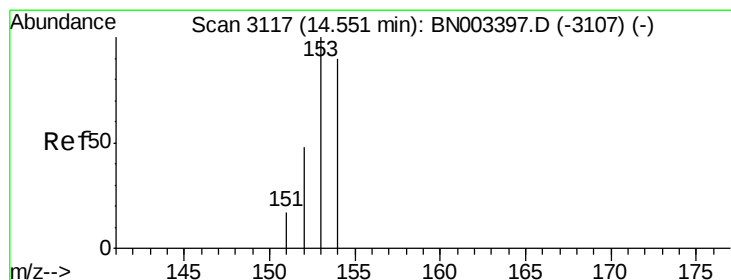
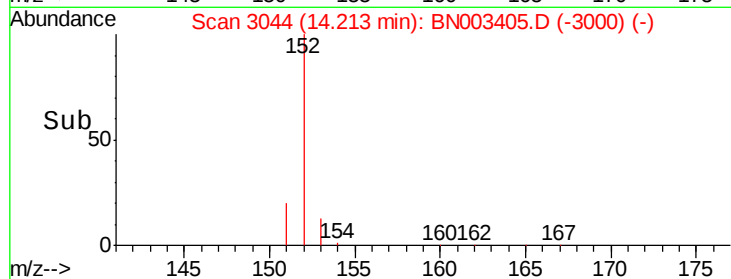
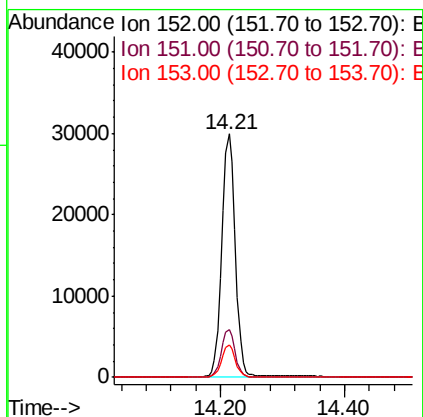
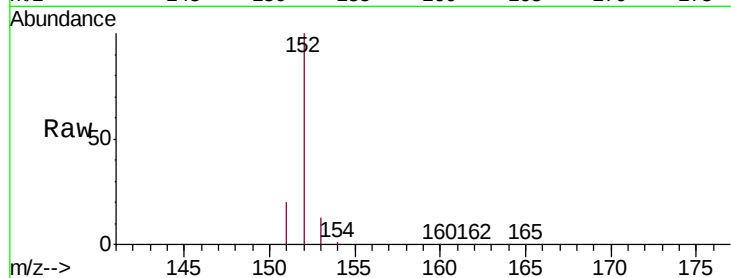
Tgt Ion:152 Resp: 44979

Ion Ratio Lower Upper

152 100

151 19.8 15.6 23.4

153 13.2 10.4 15.6



#8

Acenaphthene

Concen: 0.406 ng/ul

RT: 14.55 min Scan# 3117

Delta R.T. 0.00 min

Lab File: BN003405.D

Acq: 02 Nov 2018 16:19

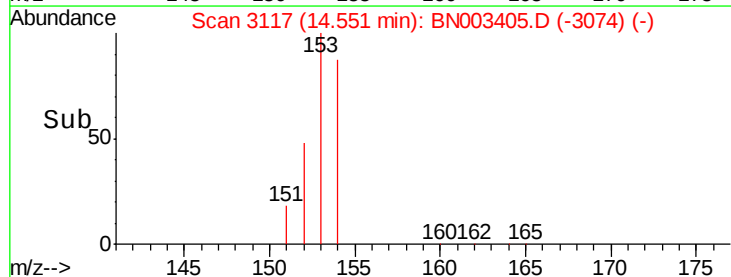
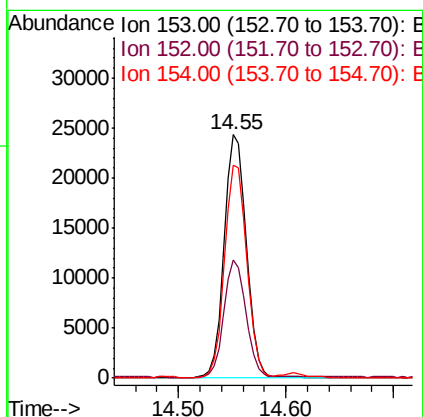
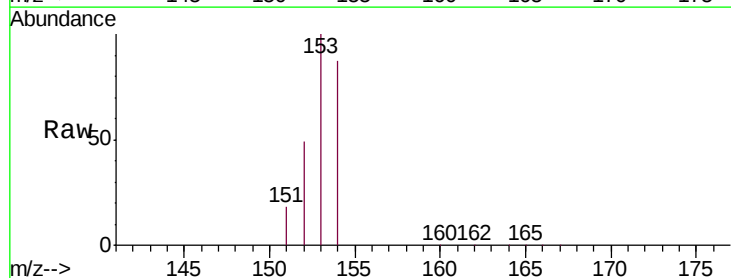
Tgt Ion:153 Resp: 34279

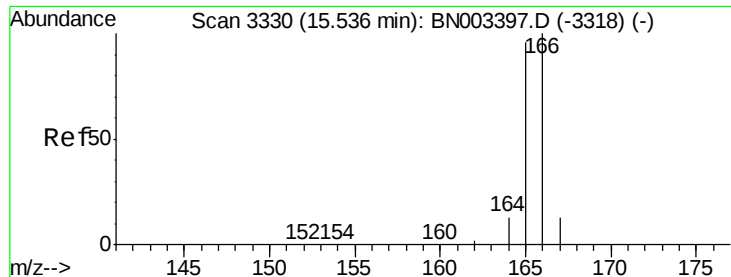
Ion Ratio Lower Upper

153 100

152 48.6 39.5 59.3

154 87.4 70.3 105.5





#9

Fluorene

Concen: 0.391 ng/ul

RT: 15.54 min Scan# 3330

Delta R.T. 0.00 min

Lab File: BN003405.D

Acq: 02 Nov 2018 16:19

Instrument :

BNA_N

ClientSampleId :

SSTD0.435

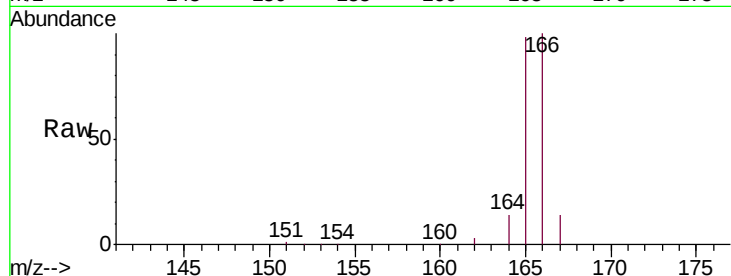
Tgt Ion:166 Resp: 38892

Ion Ratio Lower Upper

166 100

165 97.9 78.3 117.5

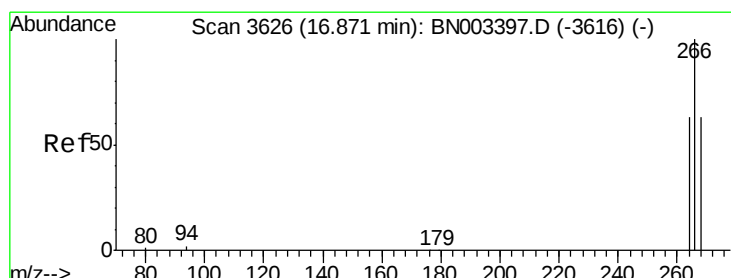
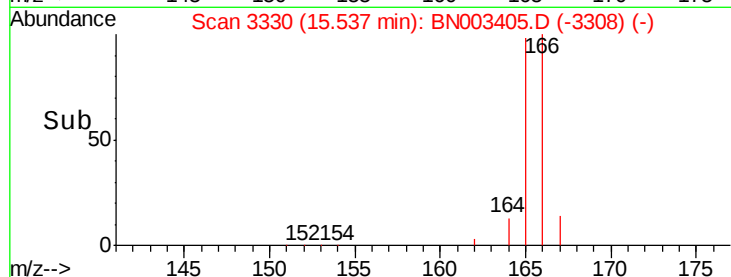
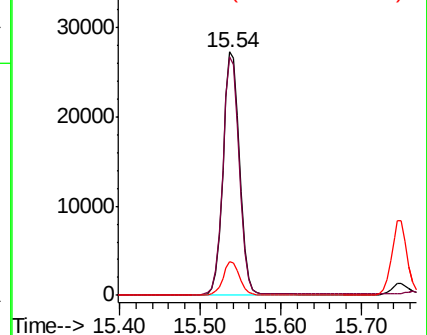
167 13.8 10.8 16.2



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: 0.548 ng/ul

RT: 16.88 min Scan# 3627

Delta R.T. 0.00 min

Lab File: BN003405.D

Acq: 02 Nov 2018 16:19

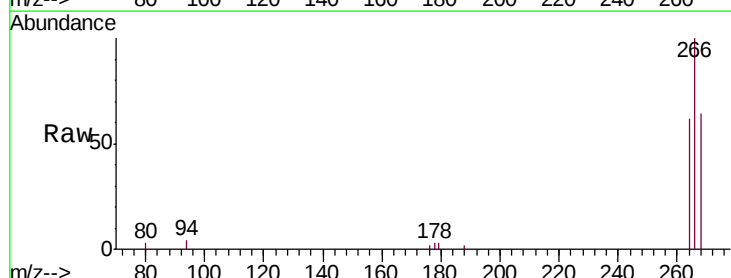
Tgt Ion:266 Resp: 5375

Ion Ratio Lower Upper

266 100

264 62.3 50.2 75.4

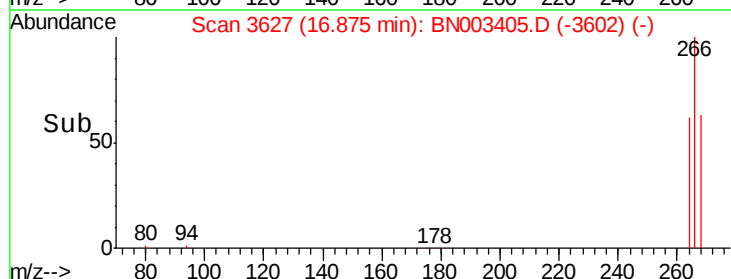
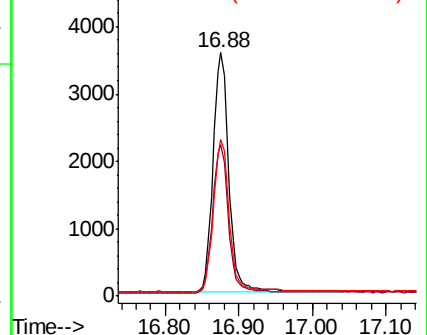
268 64.3 50.7 76.1

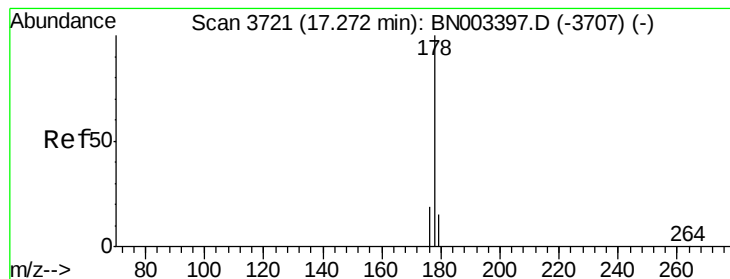


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.397 ng/ul

RT: 17.28 min Scan# 3722

Delta R.T. 0.00 min

Lab File: BN003405.D

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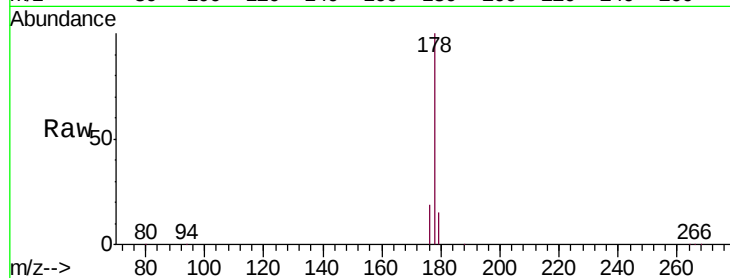
Tgt Ion:178 Resp: 63661

Ion Ratio Lower Upper

178 100

179 15.4 12.4 18.6

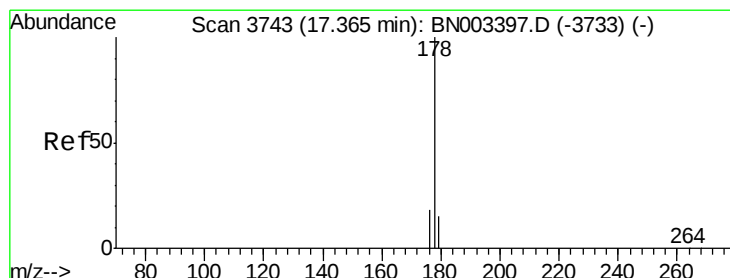
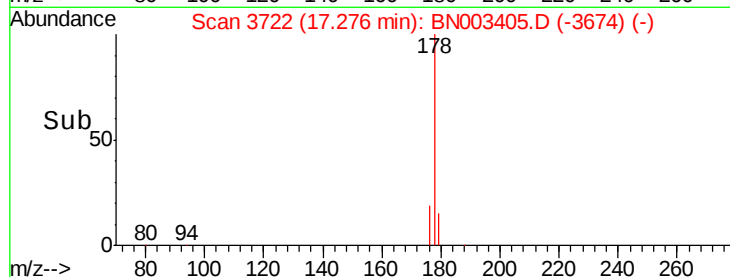
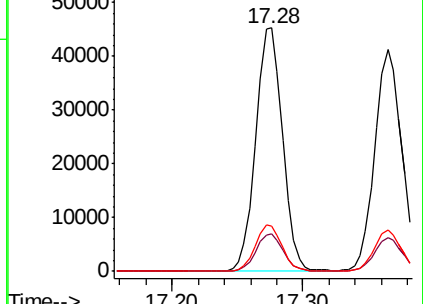
176 18.7 15.0 22.4



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: 0.449 ng/ul

RT: 17.36 min Scan# 3743

Delta R.T. 0.00 min

Lab File: BN003405.D

Acq: 02 Nov 2018 16:19

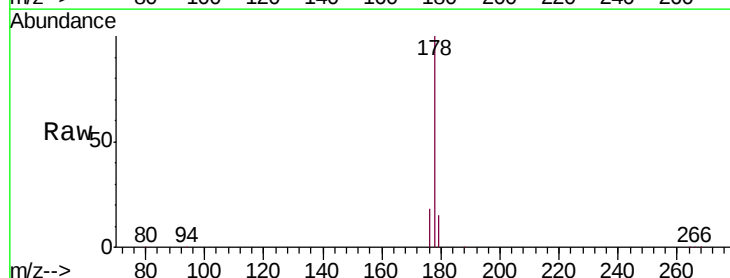
Tgt Ion:178 Resp: 58782

Ion Ratio Lower Upper

178 100

179 15.4 12.2 18.2

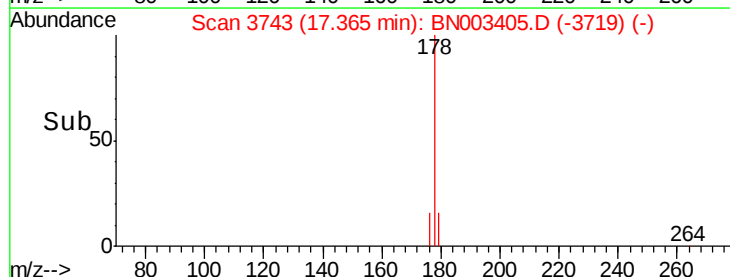
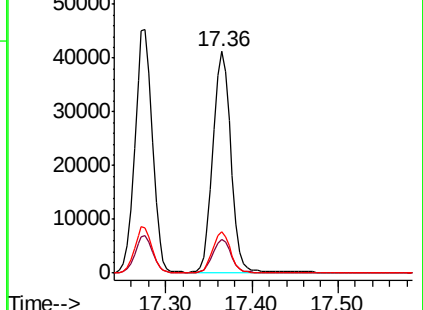
176 18.5 14.7 22.1

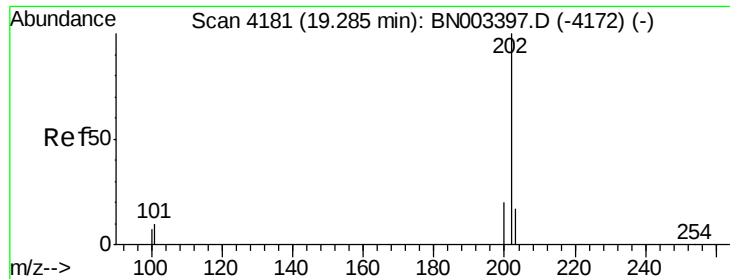


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.412 ng/ul

RT: 19.29 min Scan# 4181

Delta R.T. 0.00 min

Lab File: BN003405.D

Acq: 02 Nov 2018 16:19

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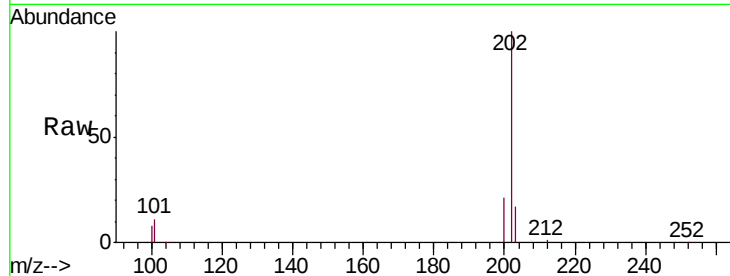
Tgt Ion:202 Resp: 74241

Ion Ratio Lower Upper

202 100

101 10.8 0.0 30.7

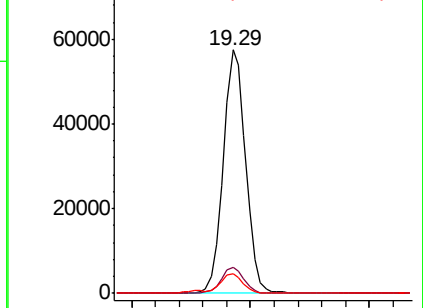
100 8.2 0.0 28.0



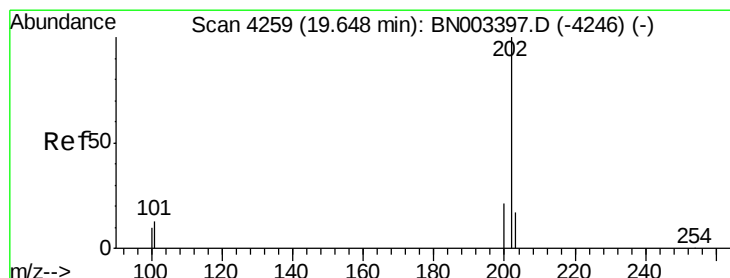
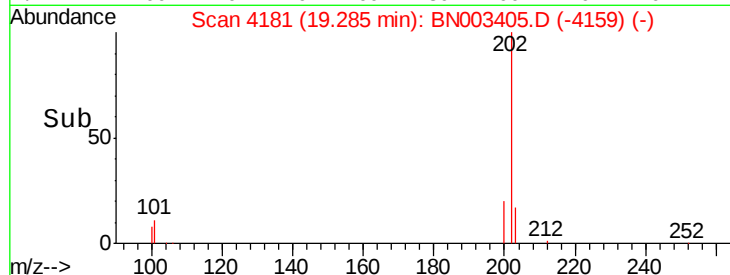
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time--> 19.20 19.30 19.40



#17

Pyrene

Concen: 0.450 ng/ul

RT: 19.65 min Scan# 4260

Delta R.T. 0.00 min

Lab File: BN003405.D

Acq: 02 Nov 2018 16:19

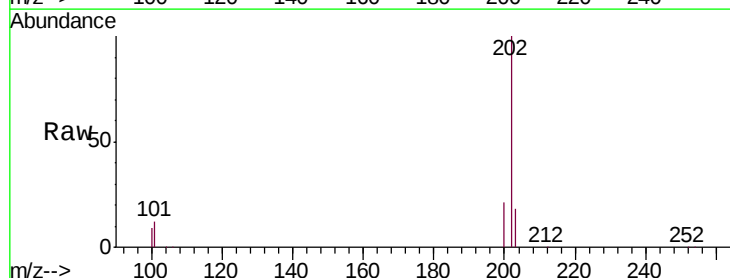
Tgt Ion:202 Resp: 74846

Ion Ratio Lower Upper

202 100

101 11.7 9.5 14.3

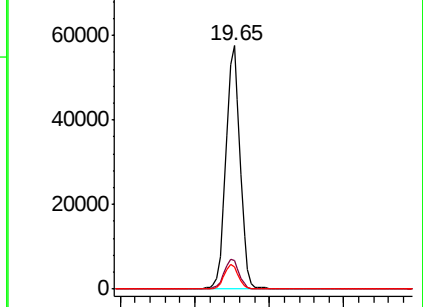
100 9.2 7.5 11.3



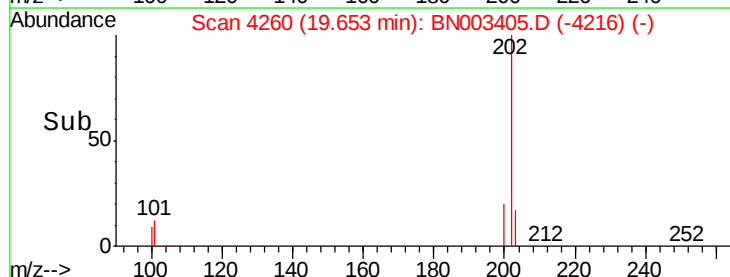
Abundance Ion 202.00 (201.70 to 202.70): E

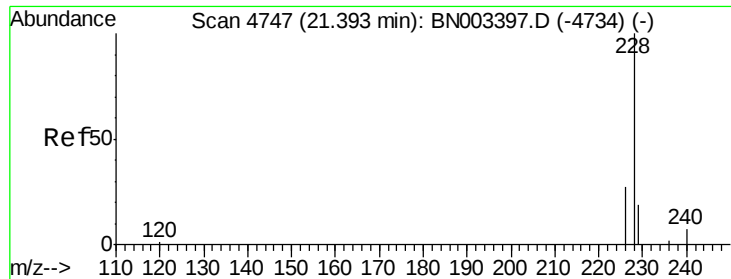
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time--> 19.50 19.60 19.70 19.80





#18

Benzo(a)anthracene

Concen: 0.477 ng/ul

RT: 21.40 min Scan# 4748

Delta R.T. 0.00 min

Lab File: BN003405.D

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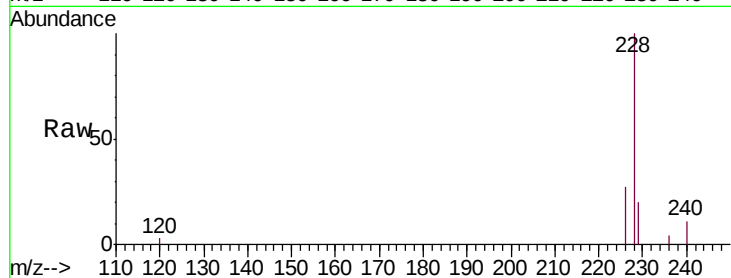
Tgt Ion:228 Resp: 68414

Ion Ratio Lower Upper

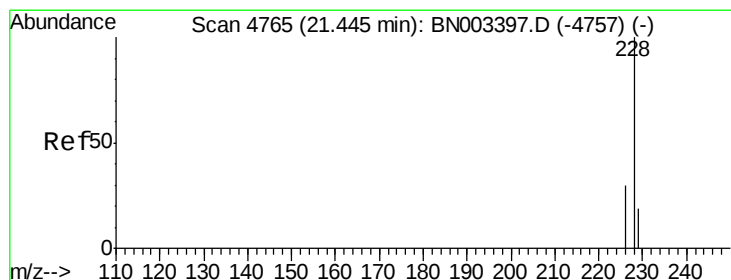
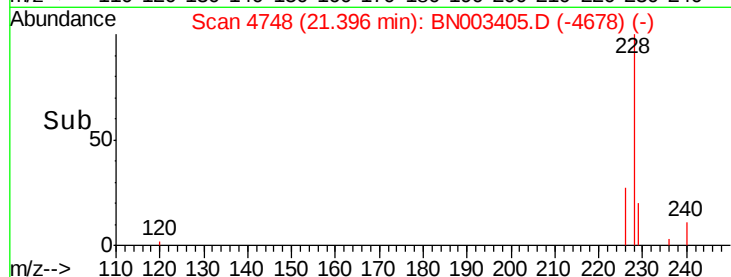
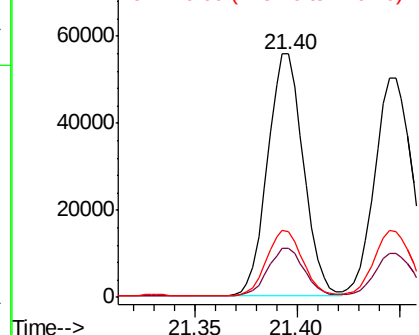
228 100

229 20.1 15.5 23.3

226 27.0 21.5 32.3



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: 0.393 ng/ul

RT: 21.45 min Scan# 4766

Delta R.T. 0.00 min

Lab File: BN003405.D

Acq: 02 Nov 2018 16:19

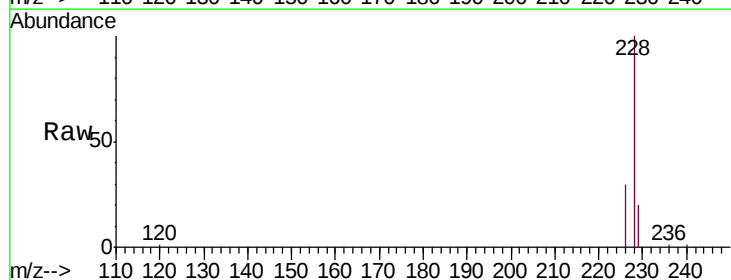
Tgt Ion:228 Resp: 64099

Ion Ratio Lower Upper

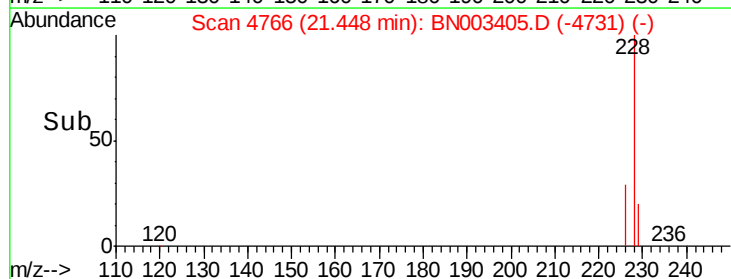
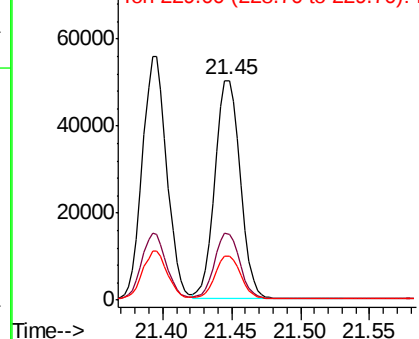
228 100

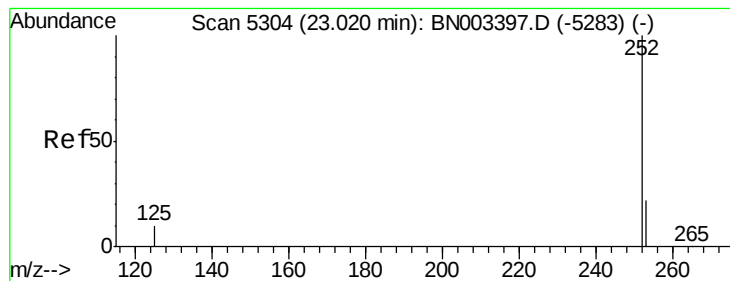
226 29.8 23.8 35.6

229 20.2 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: 0.369 ng/u1

RT: 23.02 min Scan# 5305

Delta R.T. 0.00 min

Lab File: BN003405.D

Acq: 02 Nov 2018 16:19

Instrument :

BNA_N

ClientSampleId :

SSTD0.435

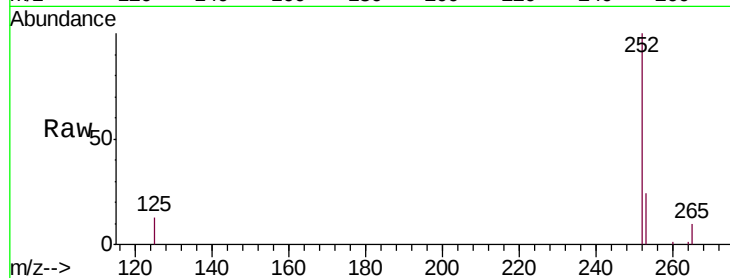
Tgt Ion:252 Resp: 59368

Ion Ratio Lower Upper

252 100

253 23.9 0.0 45.6

125 12.8 0.0 21.8

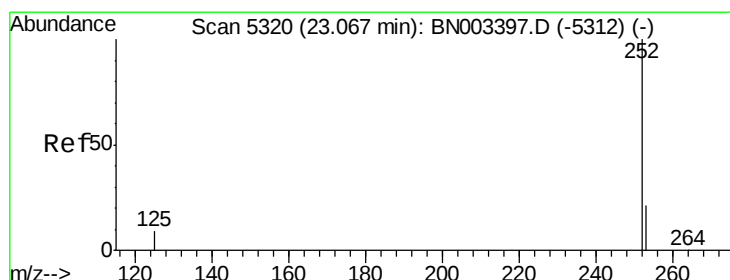
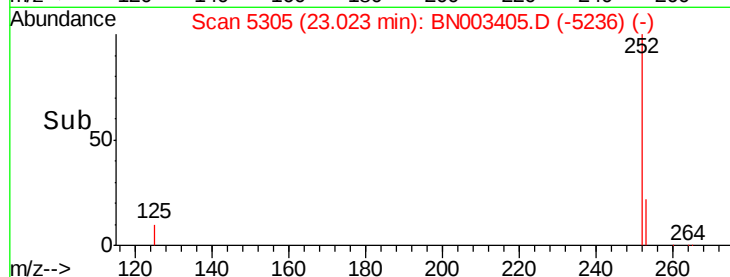
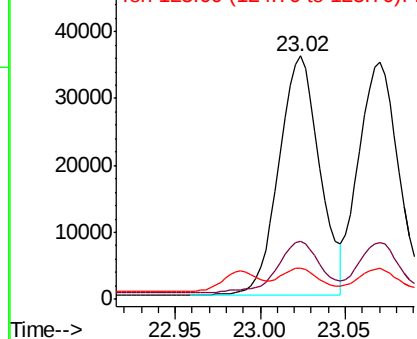


Abundance

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



#22

Benzo(k)fluoranthene

Concen: 0.366 ng/u1

RT: 23.07 min Scan# 5321

Delta R.T. 0.00 min

Lab File: BN003405.D

Acq: 02 Nov 2018 16:19

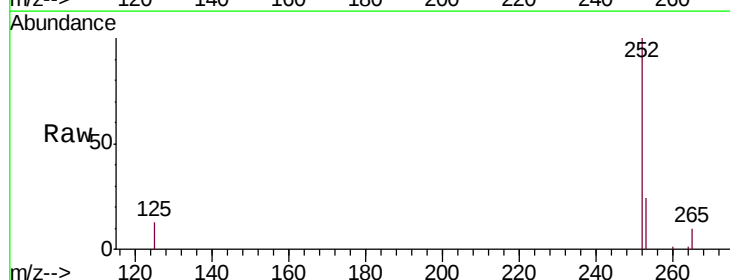
Tgt Ion:252 Resp: 56997

Ion Ratio Lower Upper

252 100

253 24.0 18.2 27.4

125 12.9 8.6 13.0

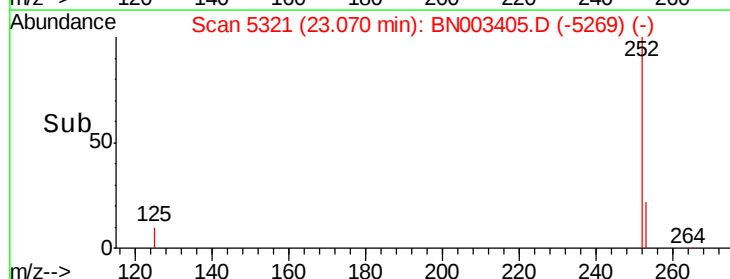
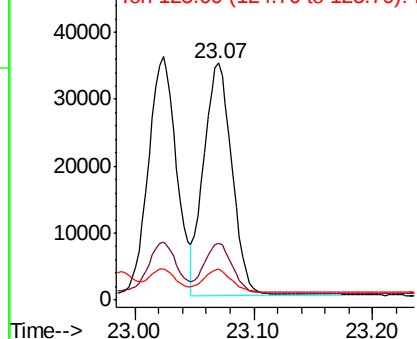


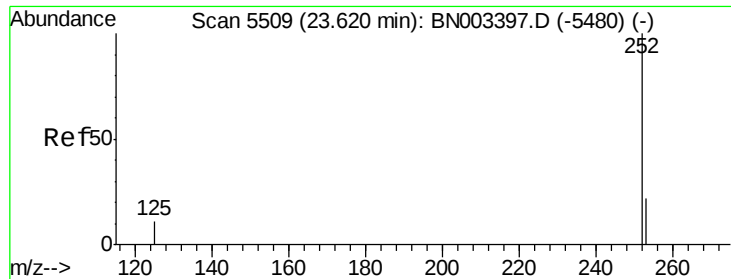
Abundance

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





#23

Benzo(a)pyrene

Concen: 0.402 ng/u1

RT: 23.62 min Scan# 5510

Delta R.T. 0.00 min

Lab File: BN003405.D

Acq: 02 Nov 2018 16:19

Instrument :

BNA_N

ClientSampleId :

SSTD0.435

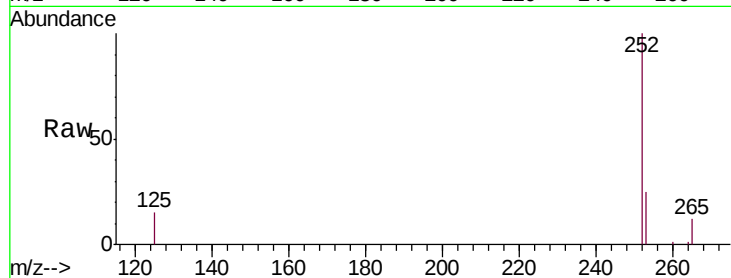
Tgt Ion:252 Resp: 53954

Ion Ratio Lower Upper

252 100

253 24.5 18.5 27.7

125 14.6 9.9 14.9

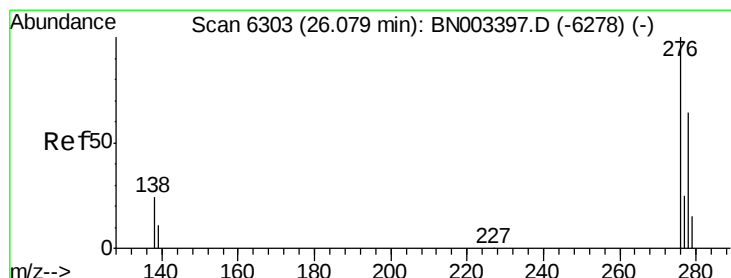
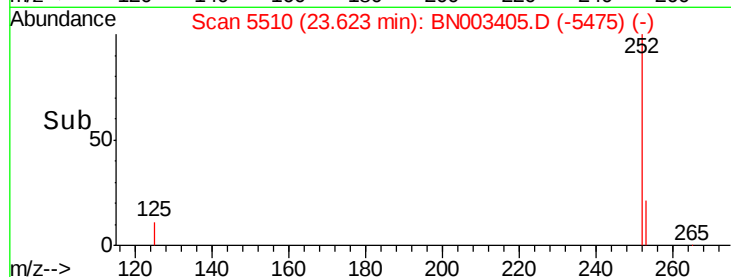
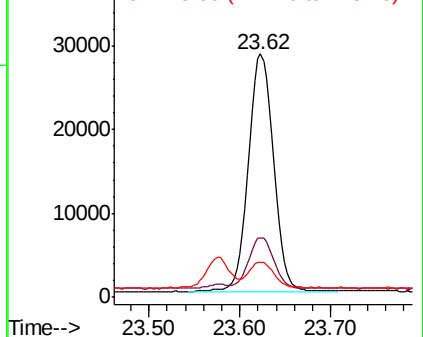


Abundance

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: 0.411 ng/u1

RT: 26.09 min Scan# 6305

Delta R.T. 0.01 min

Lab File: BN003405.D

Acq: 02 Nov 2018 16:19

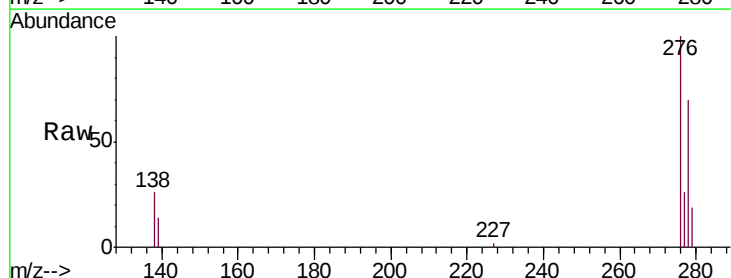
Tgt Ion:276 Resp: 59100

Ion Ratio Lower Upper

276 100

138 24.7 19.8 29.8

227 0.2 0.2 0.2

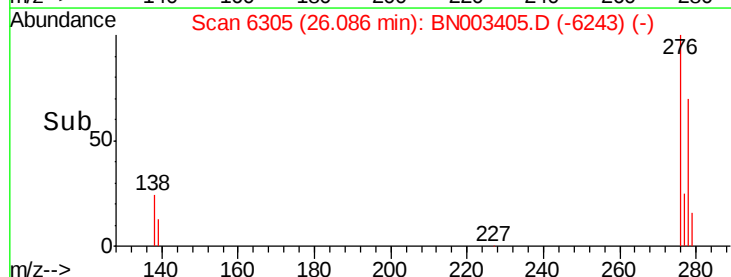
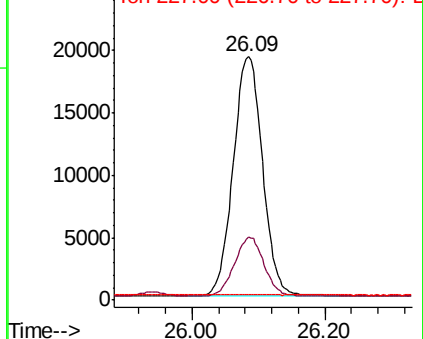


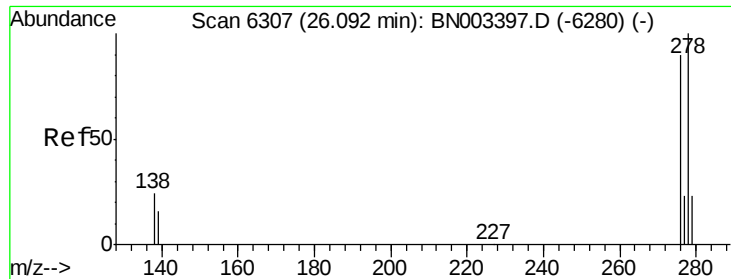
Abundance

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

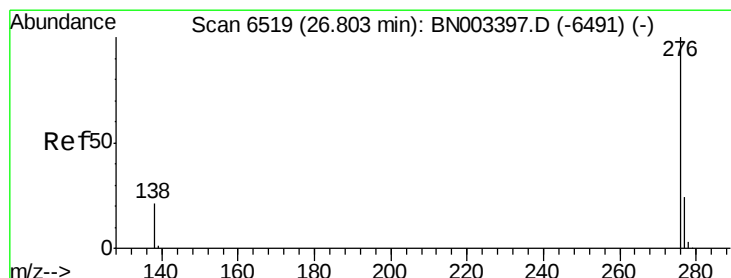
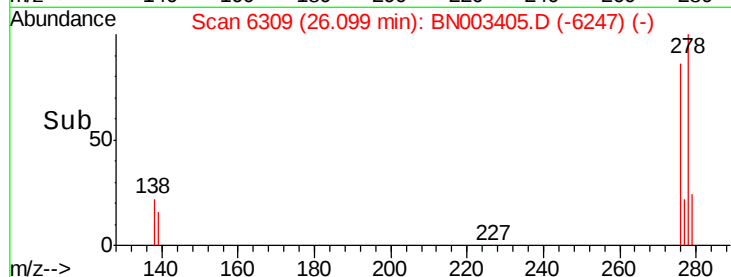
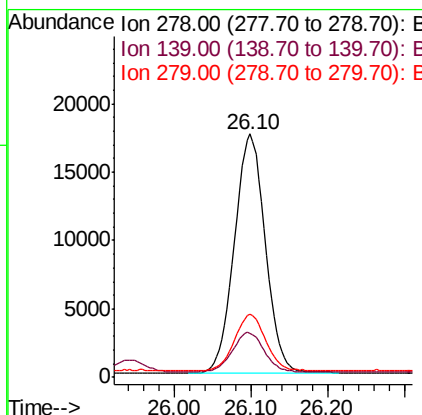
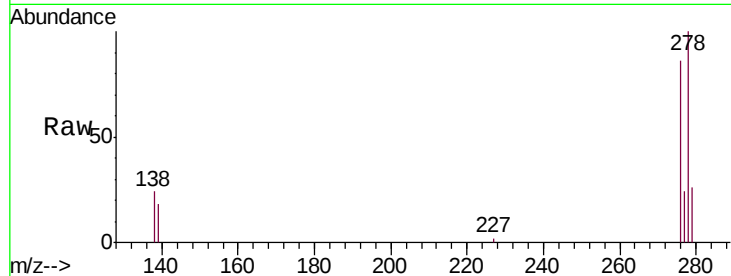




#25
Dibenzo(a,h)anthracene
Concen: 0.408 ng/u1
RT: 26.10 min Scan# 6309
Delta R.T. 0.01 min
Lab File: BN003405.D
Acq: 02 Nov 2018 16:19

Instrument :
BNA_N
ClientSampleId :
SSTD0.435

Tgt Ion:278 Resp: 47878
Ion Ratio Lower Upper
278 100
139 18.2 13.1 19.7
279 26.1 19.5 29.3



#26
Benzo(g,h,i)perylene
Concen: 0.400 ng/u1
RT: 26.81 min Scan# 6520
Delta R.T. 0.00 min
Lab File: BN003405.D
Acq: 02 Nov 2018 16:19

Tgt Ion:276 Resp: 49398
Ion Ratio Lower Upper
276 100
138 22.8 17.0 25.6
277 25.4 19.2 28.8

