

Data File : BN009076.D
Acq On : 20 Dec 2019 19:52
Operator : JU
Sample : SSTDC00.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTD0.417

Quant Time: Dec 20 22:59:34 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN121619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 20 22:55:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	3687	0.40	ng/ul	0.00
2) Naphthalene-d8	10.29	136	13849	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.16	164	7082	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.91	188	12875	0.40	ng/ul	0.00
16) Chrysene-d12	21.12	240	7334	0.40	ng/ul	0.00
20) Perylene-d12	23.26	264	7454	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.89	152	8690	0.35	ng/ul	0.00
14) Fluoranthene-d10	18.95	212	12921	0.34	ng/ul	0.00

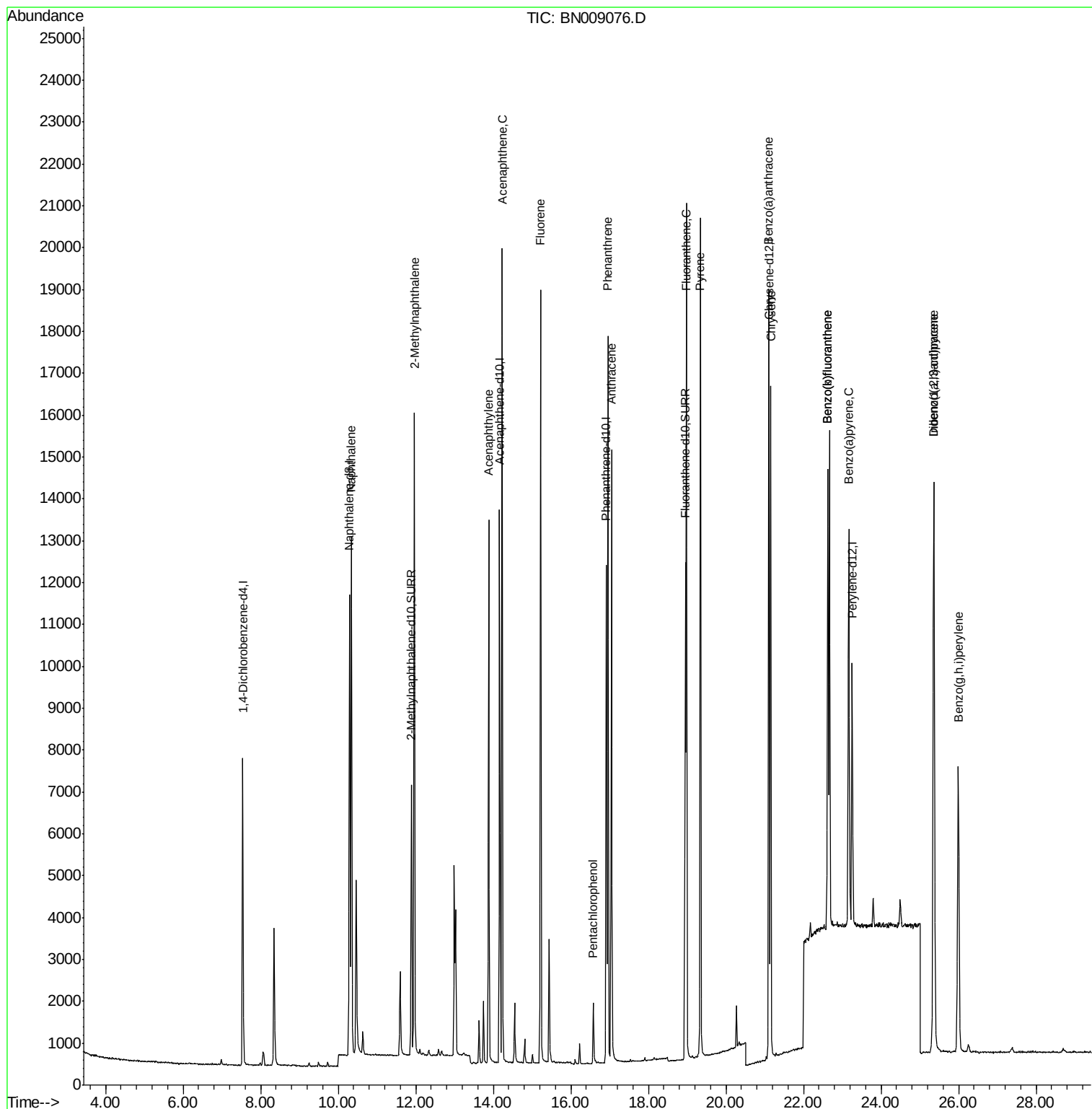
Target Compounds						Qvalue
3) Naphthalene	10.34	128	16637	0.396	ng/ul	99
5) 2-Methylnaphthalene	11.96	142	11231	0.354	ng/ul	100
7) Acenaphthylene	13.88	152	14746	0.396	ng/ul	100
8) Acenaphthene	14.23	153	11093	0.380	ng/ul	99
9) Fluorene	15.22	166	11984	0.347	ng/ul	99
11) Pentachlorophenol	16.58	266	1147	0.334	ng/ul	100
12) Phenanthrene	16.95	178	17707	0.395	ng/ul	100
13) Anthracene	17.05	178	16178	0.403	ng/ul	99
15) Fluoranthene	18.98	202	17203	0.336	ng/ul	97
17) Pyrene	19.34	202	16927	0.452	ng/ul	99
18) Benzo(a)anthracene	21.10	228	13873	0.426	ng/ul	99
19) Chrysene	21.15	228	13590	0.415	ng/ul	99
21) Benzo(b)fluoranthene	22.62	252	12947	0.372	ng/ul	95
22) Benzo(k)fluoranthene	22.62	252	12947	0.369	ng/ul	95
23) Benzo(a)pyrene	23.16	252	12616	0.414	ng/ul	94
24) Indeno(1,2,3-cd)pyrene	25.36	276	14785	0.445	ng/ul#	99
25) Dibenzo(a,h)anthracene	25.37	278	11877	0.449	ng/ul	98
26) Benzo(g,h,i)perylene	25.99	276	12586	0.450	ng/ul	98

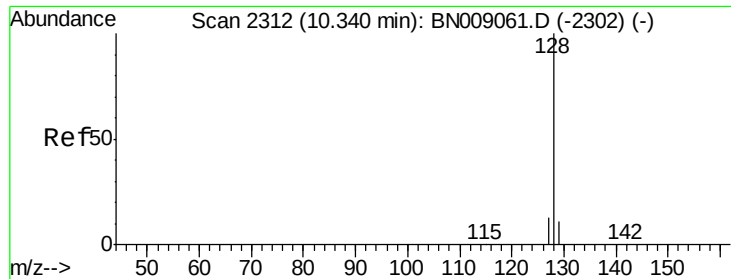
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.396 ng/ul

RT: 10.34 min Scan# 2312

Delta R.T. -0.01 min

Lab File: BN009076.D

Acq: 20 Dec 2019 19:52

Instrument :

BNA_N

ClientSampleId :

SSTD0.417

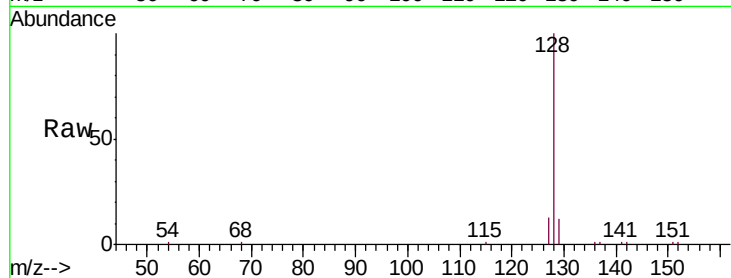
Tgt Ion:128 Resp: 16637

Ion Ratio Lower Upper

128 100

129 11.6 9.0 13.4

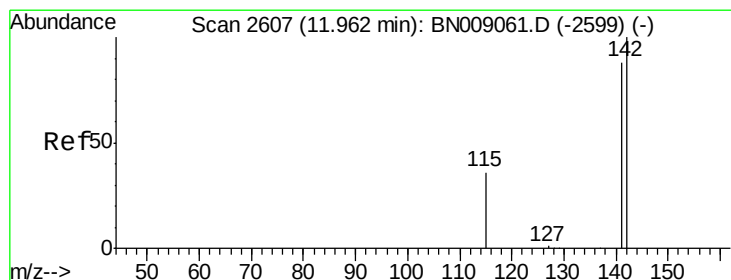
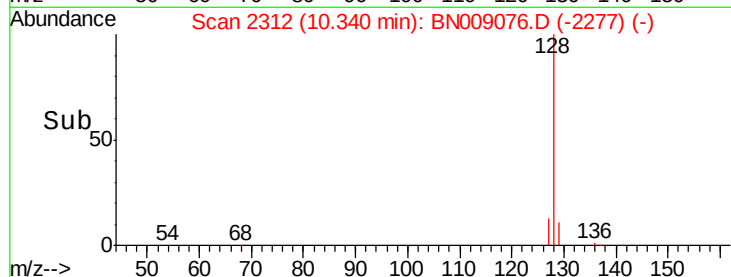
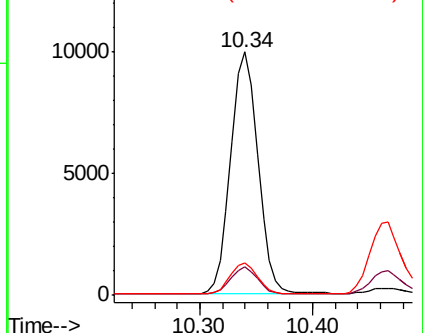
127 13.2 10.9 16.3



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: 0.354 ng/ul

RT: 11.96 min Scan# 2607

Delta R.T. -0.01 min

Lab File: BN009076.D

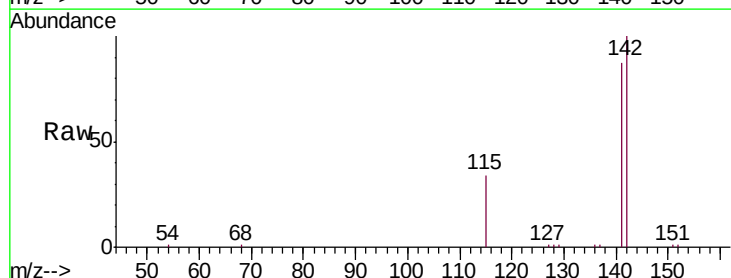
Acq: 20 Dec 2019 19:52

Tgt Ion:142 Resp: 11231

Ion Ratio Lower Upper

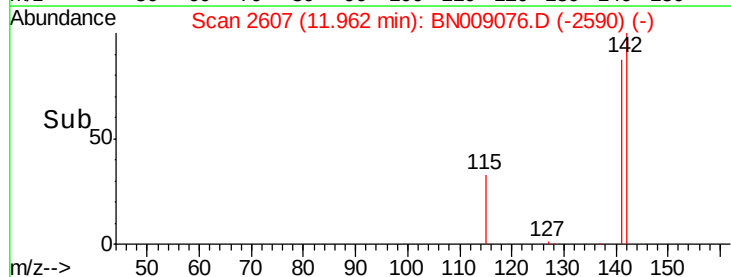
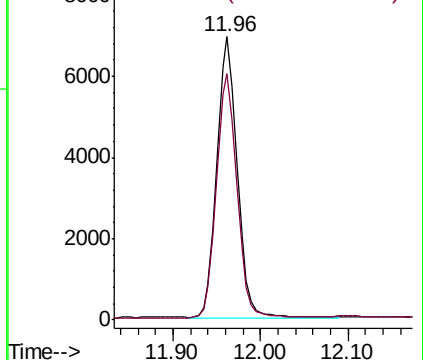
142 100

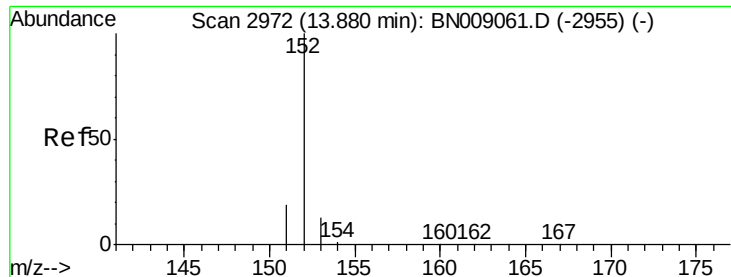
141 87.9 70.2 105.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.396 ng/ul

RT: 13.88 min Scan# 2972

Delta R.T. -0.00 min

Lab File: BN009076.D

Acq: 20 Dec 2019 19:52

Instrument :

BNA_N

ClientSampleId :

SSTD0.417

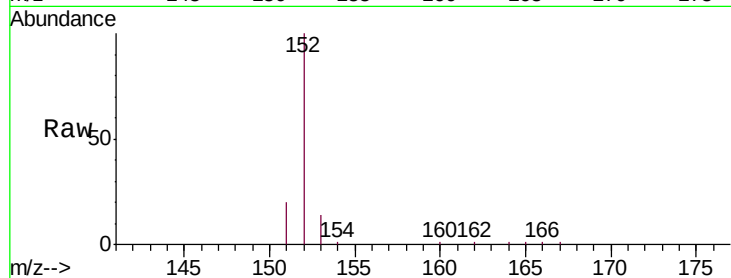
Tgt Ion:152 Resp: 14746

Ion Ratio Lower Upper

152 100

151 19.7 15.7 23.5

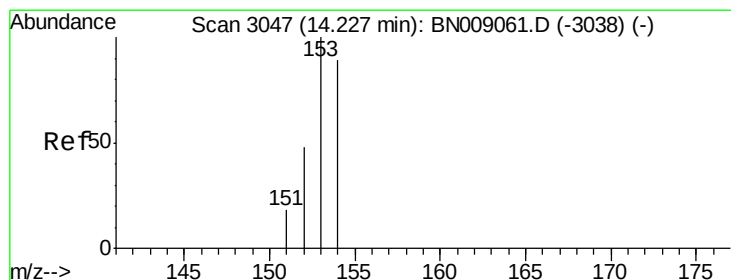
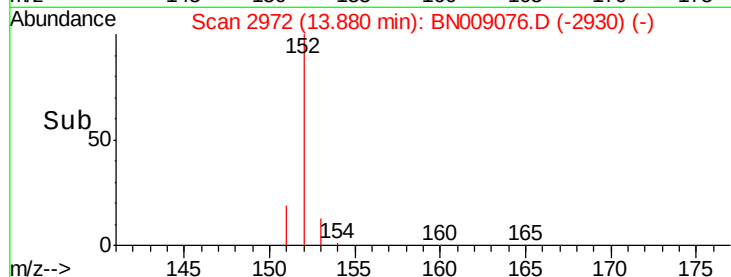
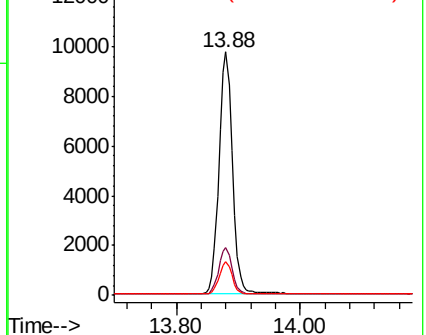
153 13.7 10.8 16.2



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: 0.380 ng/ul

RT: 14.23 min Scan# 3047

Delta R.T. -0.00 min

Lab File: BN009076.D

Acq: 20 Dec 2019 19:52

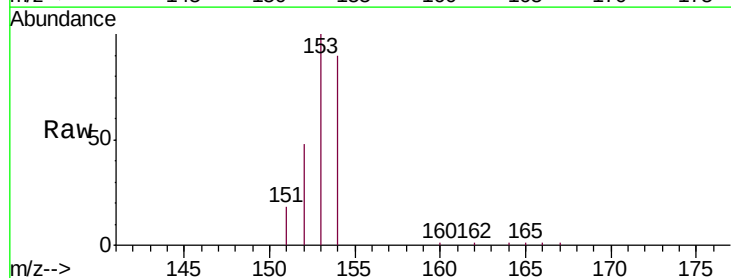
Tgt Ion:153 Resp: 11093

Ion Ratio Lower Upper

153 100

152 48.2 39.5 59.3

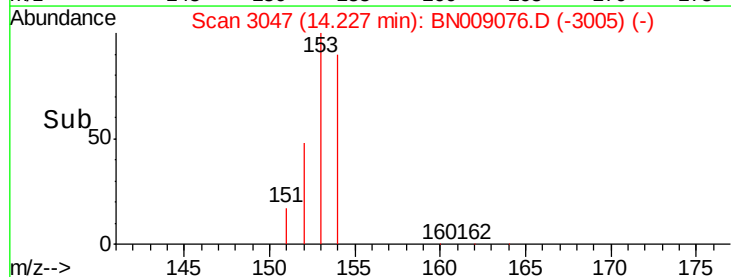
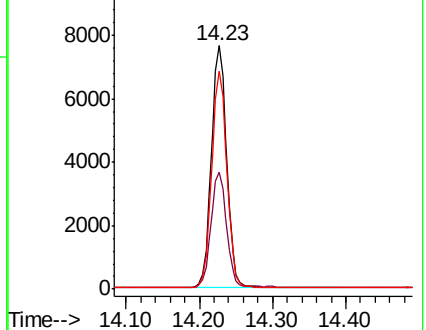
154 89.8 71.3 106.9

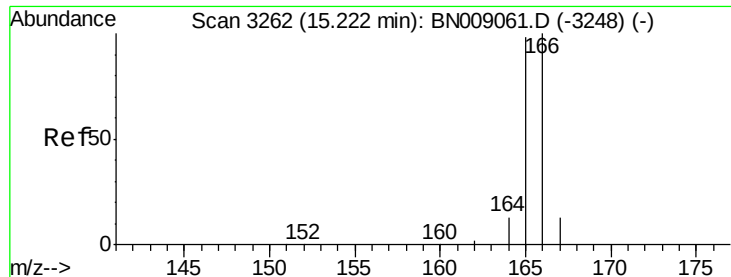


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.347 ng/ul

RT: 15.22 min Scan# 3262

Delta R.T. -0.00 min

Lab File: BN009076.D

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Instrument :

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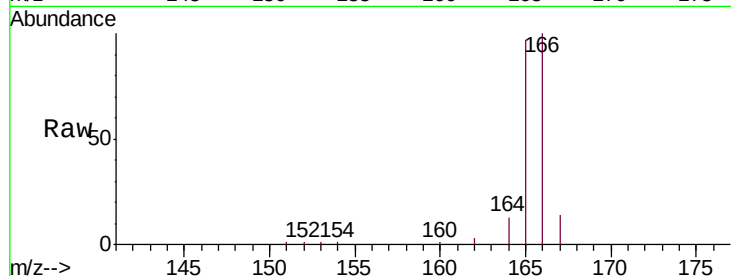
Tgt Ion:166 Resp: 11984

Ion Ratio Lower Upper

166 100

165 96.7 78.2 117.4

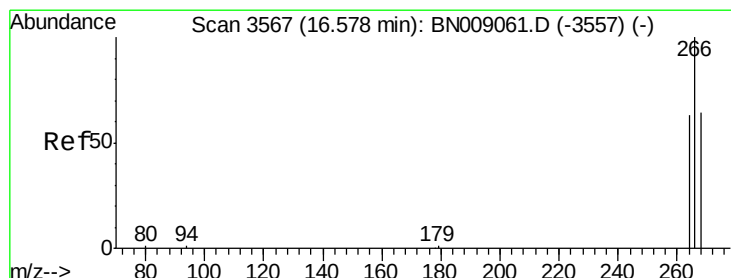
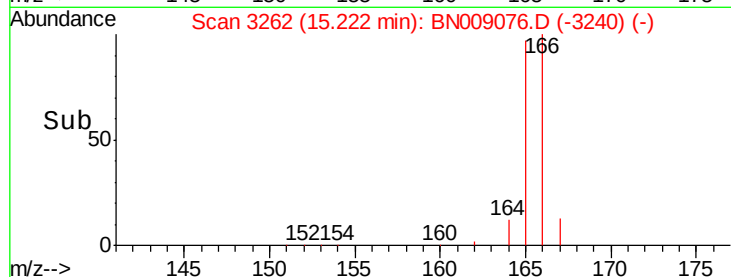
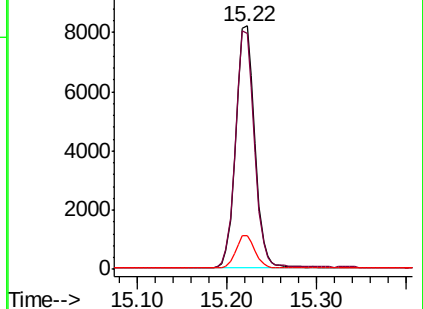
167 14.0 11.0 16.6



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: 0.334 ng/ul

RT: 16.58 min Scan# 3567

Delta R.T. -0.00 min

Lab File: BN009076.D

Acq: 20 Dec 2019 19:52

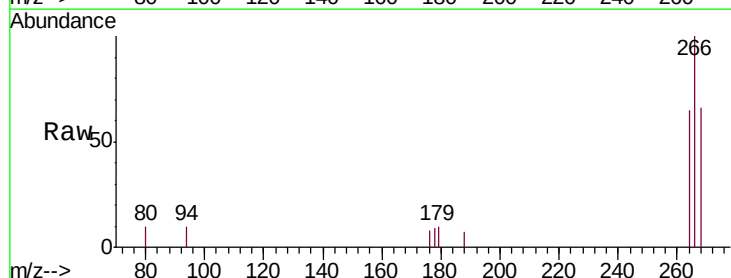
Tgt Ion:266 Resp: 1147

Ion Ratio Lower Upper

266 100

264 62.4 49.9 74.9

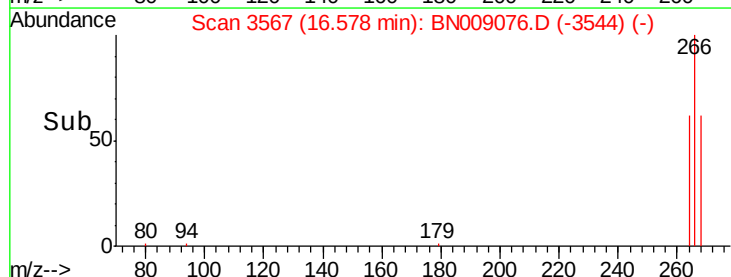
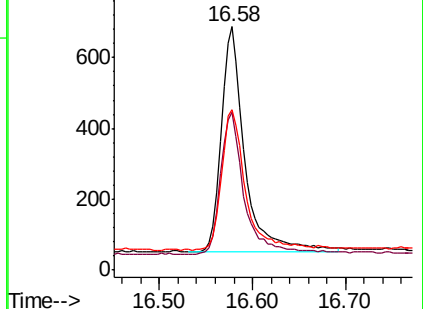
268 65.0 52.1 78.1

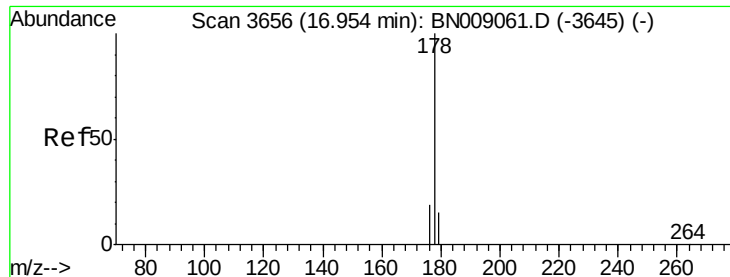


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.395 ng/ul

RT: 16.95 min Scan# 3656

Delta R.T. -0.00 min

Lab File: BN009076.D

Acq: 20 Dec 2019 19:52

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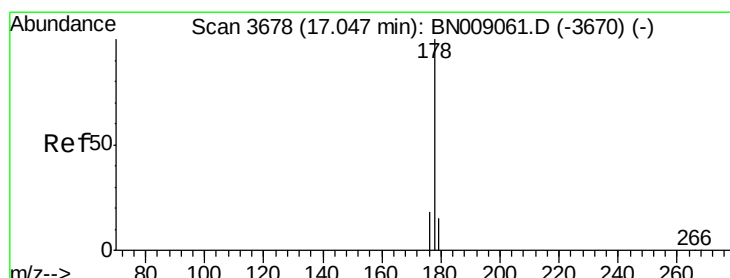
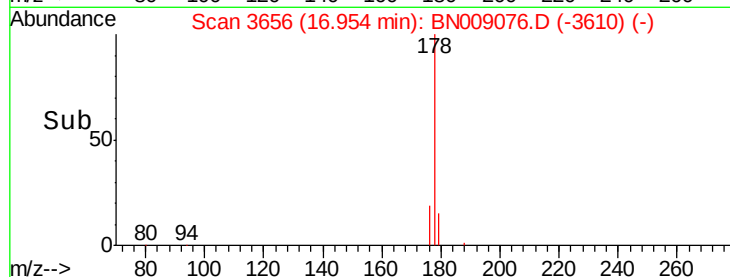
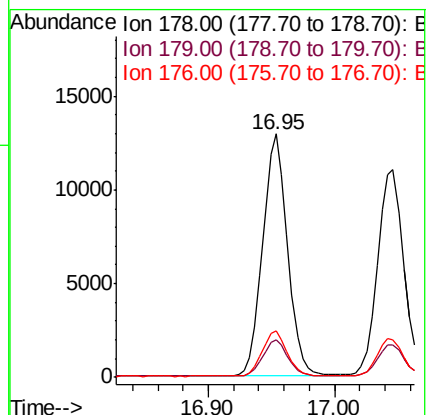
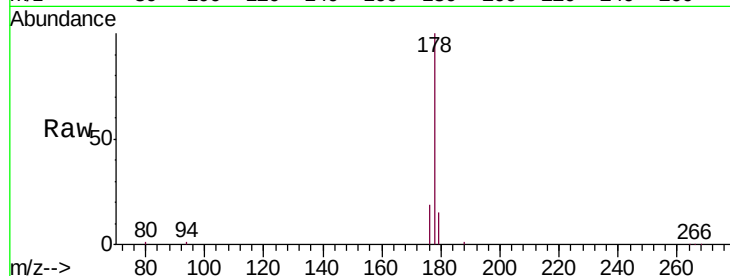
Tgt Ion:178 Resp: 17707

Ion Ratio Lower Upper

178 100

179 15.4 12.3 18.5

176 19.1 15.1 22.7



#13

Anthracene

Concen: 0.403 ng/ul

RT: 17.05 min Scan# 3678

Delta R.T. -0.00 min

Lab File: BN009076.D

Acq: 20 Dec 2019 19:52

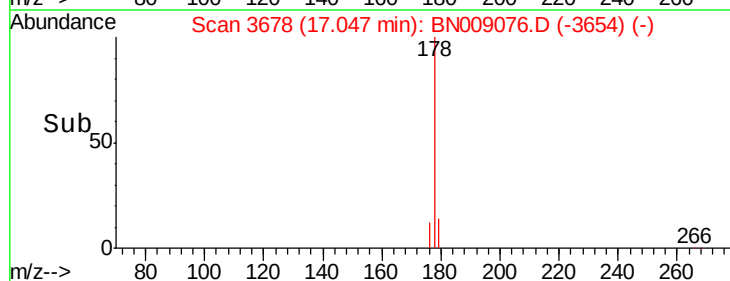
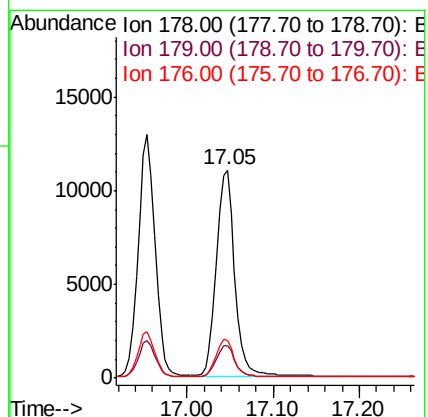
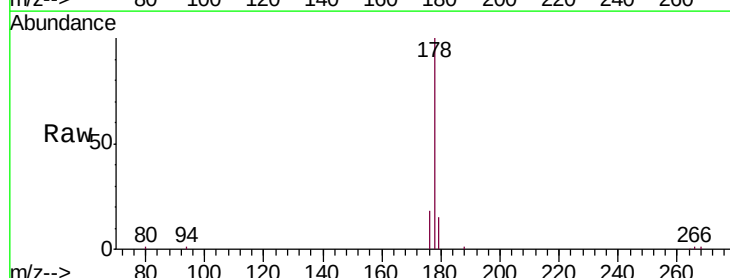
Tgt Ion:178 Resp: 16178

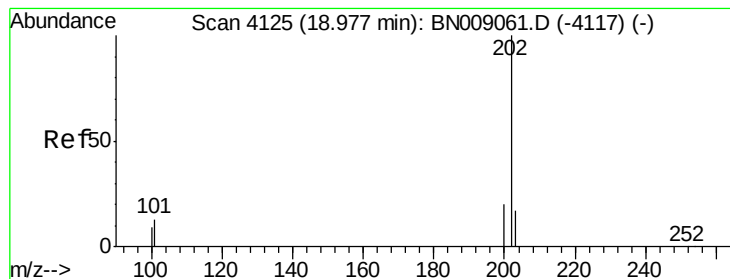
Ion Ratio Lower Upper

178 100

179 15.5 12.5 18.7

176 18.1 14.9 22.3





#15

Fluoranthene

Concen: 0.336 ng/ul

RT: 18.98 min Scan# 4125

Delta R.T. -0.00 min

Lab File: BN009076.D

Acq: 20 Dec 2019 19:52

Instrument :

BNA_N

ClientSampleId :

SSTD0.417

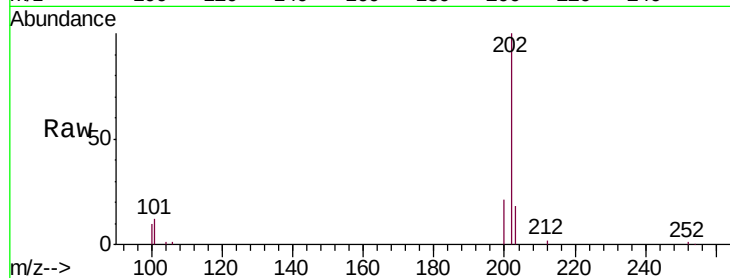
Tgt Ion:202 Resp: 17203

Ion Ratio Lower Upper

202 100

101 12.5 0.0 31.5

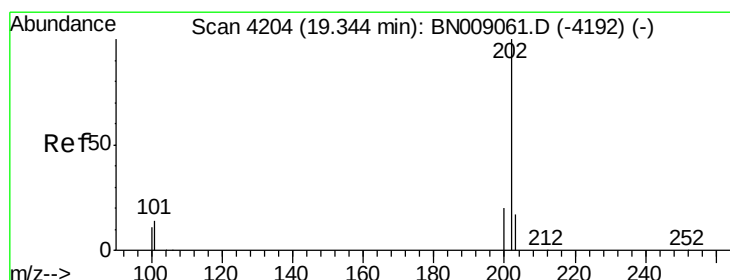
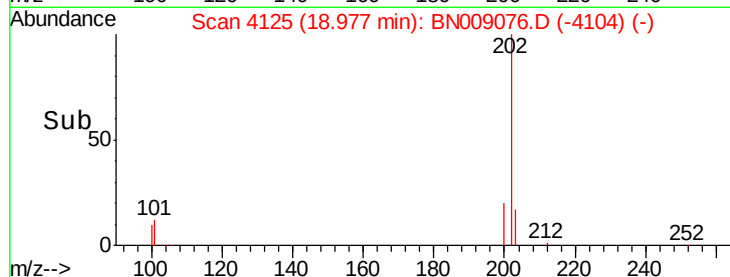
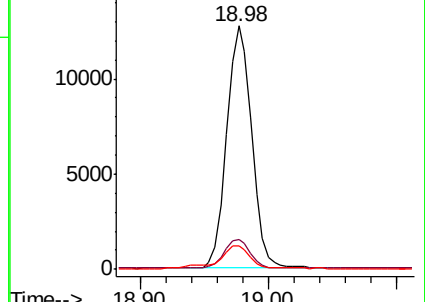
100 9.9 0.0 28.9



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: 0.452 ng/ul

RT: 19.34 min Scan# 4204

Delta R.T. 0.00 min

Lab File: BN009076.D

Acq: 20 Dec 2019 19:52

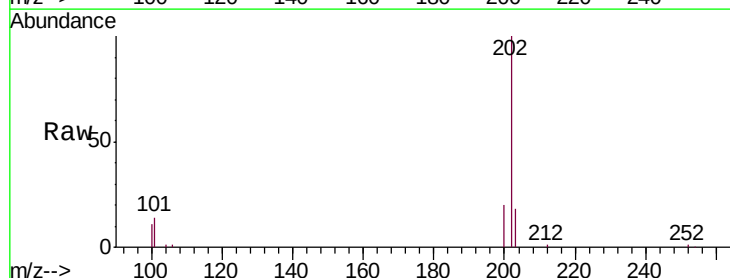
Tgt Ion:202 Resp: 16927

Ion Ratio Lower Upper

202 100

101 13.6 10.9 16.3

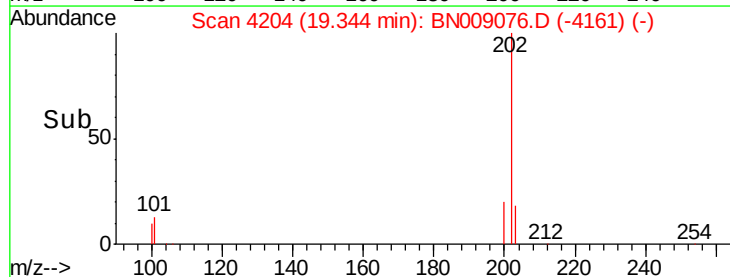
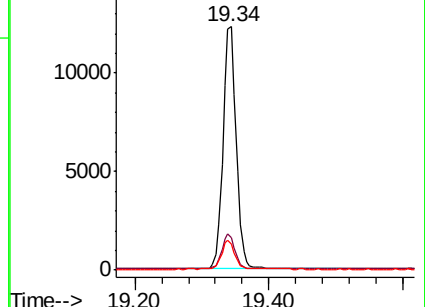
100 10.8 9.0 13.6

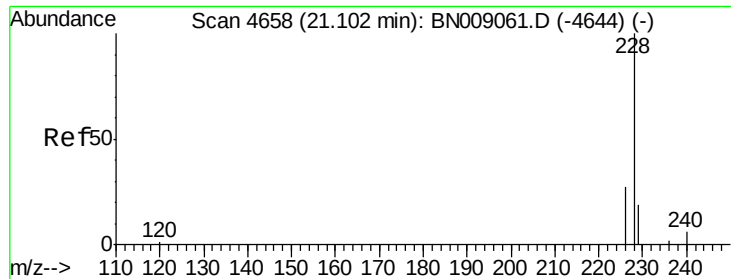


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.426 ng/ul

RT: 21.10 min Scan# 4658

Delta R.T. -0.00 min

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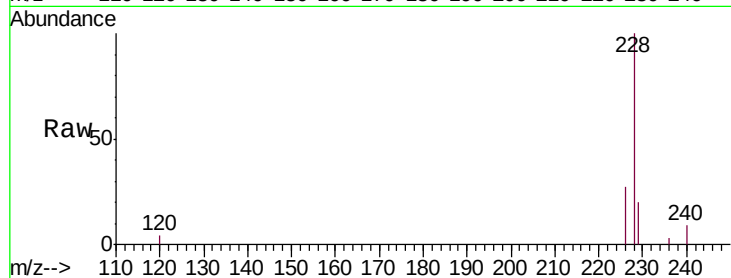
Tgt Ion:228 Resp: 13873

Ion Ratio Lower Upper

228 100

229 19.8 15.5 23.3

226 26.8 21.7 32.5

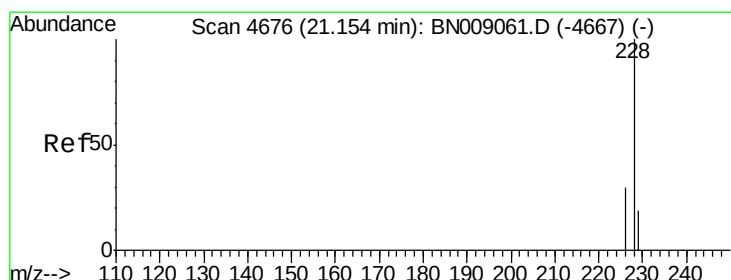
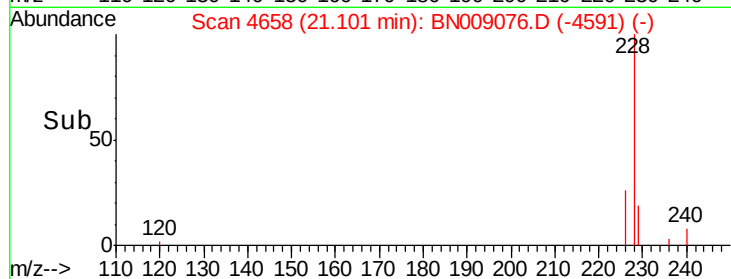
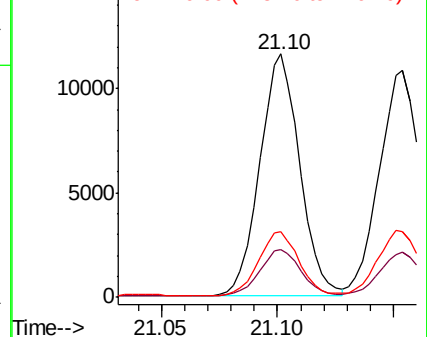


Abundance

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: 0.415 ng/ul

RT: 21.15 min Scan# 4676

Delta R.T. -0.00 min

Lab File: BN009076.D

Acq: 20 Dec 2019 19:52

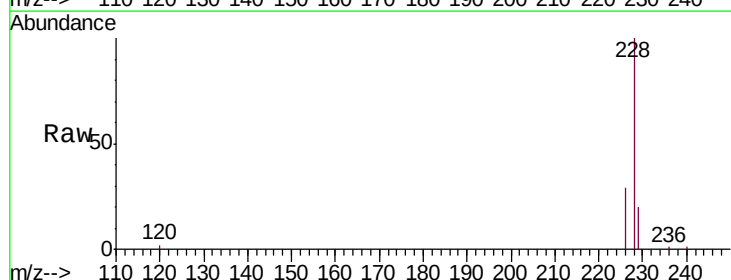
Tgt Ion:228 Resp: 13590

Ion Ratio Lower Upper

228 100

226 29.0 23.7 35.5

229 20.1 15.4 23.0

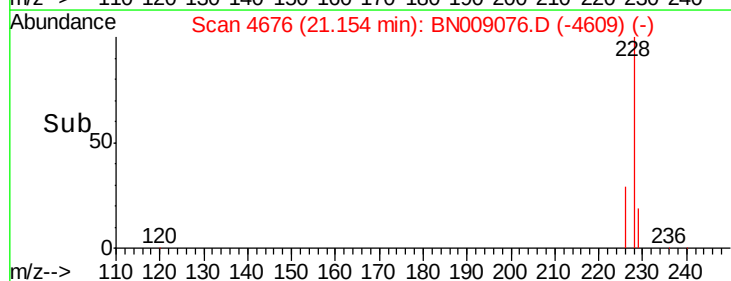
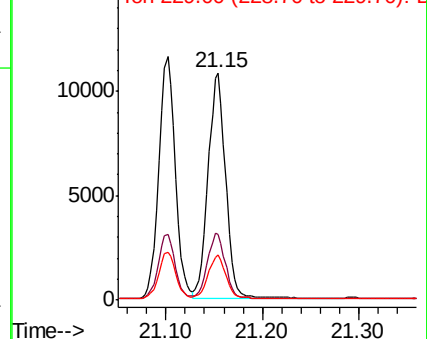


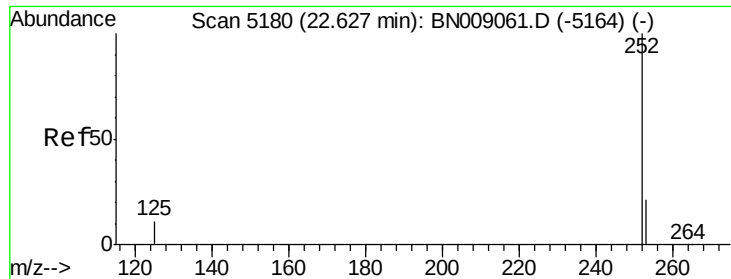
Abundance

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: 0.372 ng/ul

RT: 22.62 min Scan# 5179

Delta R.T. -0.00 min

Lab File: BN009076.D

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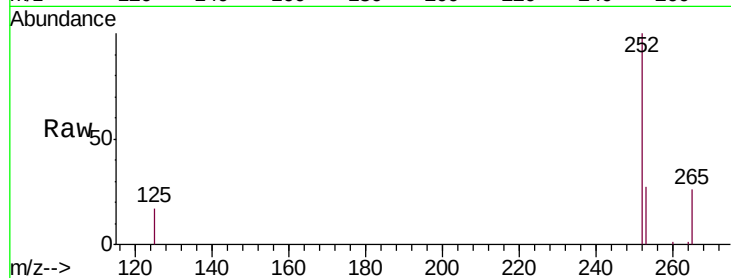
Tgt Ion:252 Resp: 12947

Ion Ratio Lower Upper

252 100

253 26.7 0.0 48.2

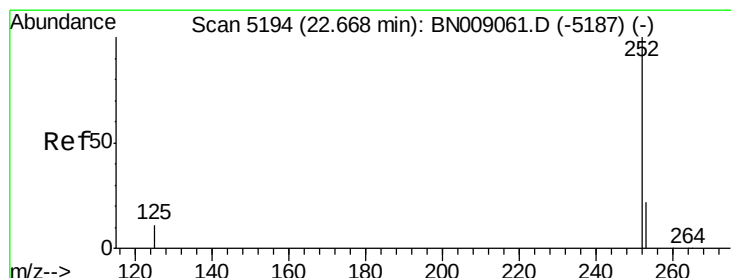
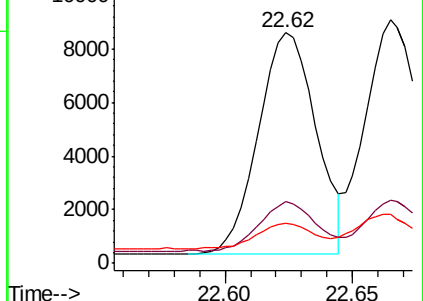
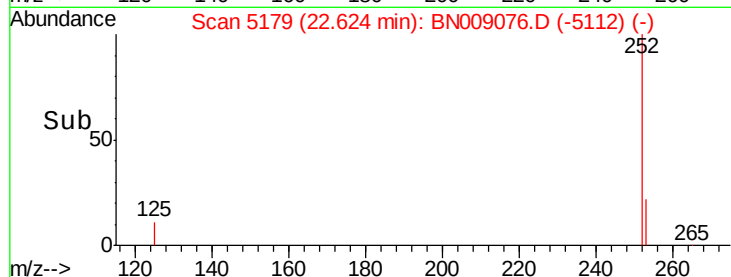
125 17.2 0.0 30.0



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: 0.369 ng/ul

RT: 22.62 min Scan# 5179

Delta R.T. -0.04 min

Lab File: BN009076.D

Acq: 20 Dec 2019 19:52

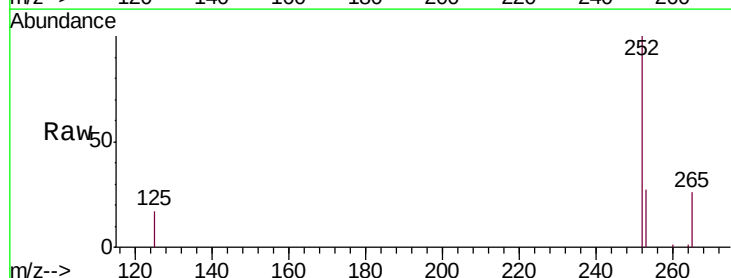
Tgt Ion:252 Resp: 12947

Ion Ratio Lower Upper

252 100

253 26.7 19.4 29.0

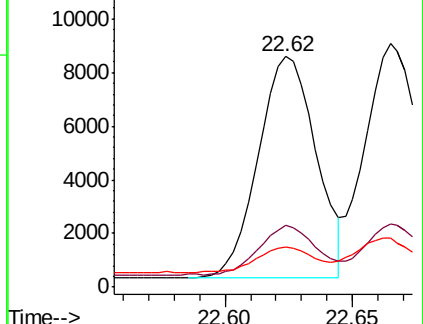
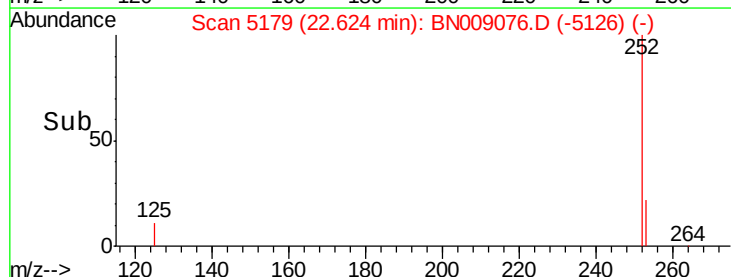
125 17.2 12.4 18.6

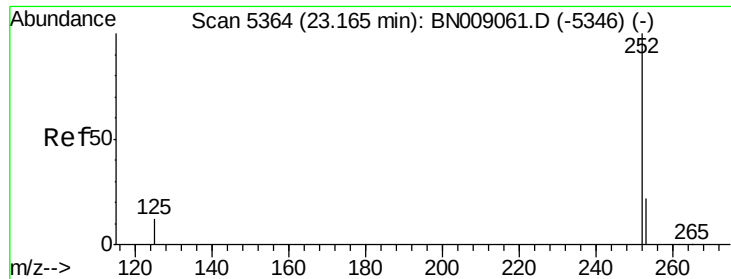


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.414 ng/ul

RT: 23.16 min Scan# 5364

Delta R.T. -0.00 min

Lab File: BN009076.D

Acq: 20 Dec 2019 19:52

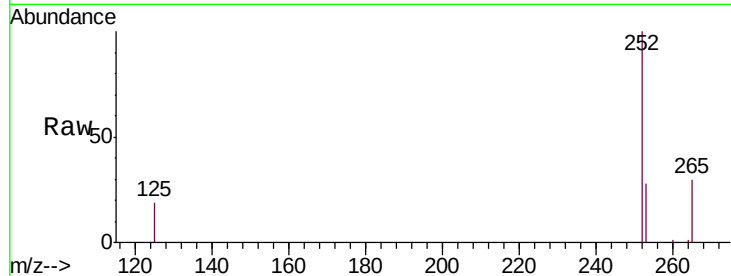
Instrument :

BNA_N

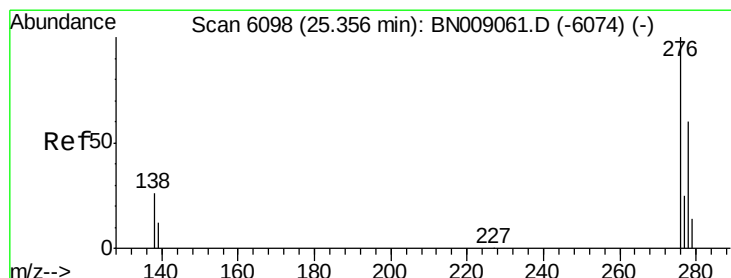
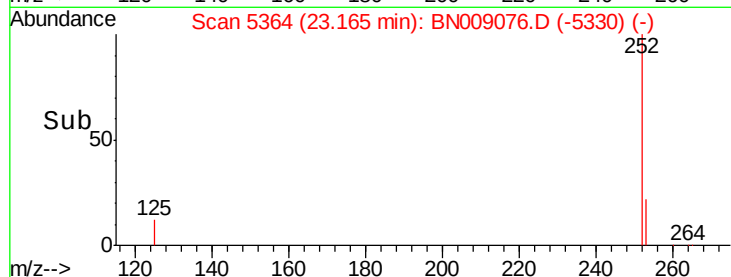
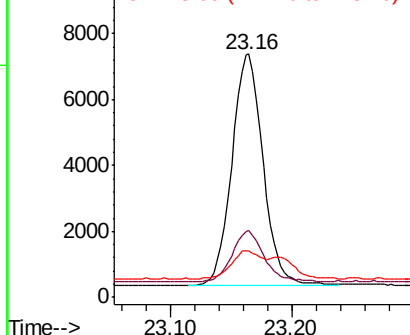
ClientSampleId :

SSTD0.417

Tgt Ion:	252	Resp:	12616
Ion	Ratio	Lower	Upper
252	100		
253	27.7	20.2	30.4
125	19.3	13.2	19.8



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: 0.445 ng/ul

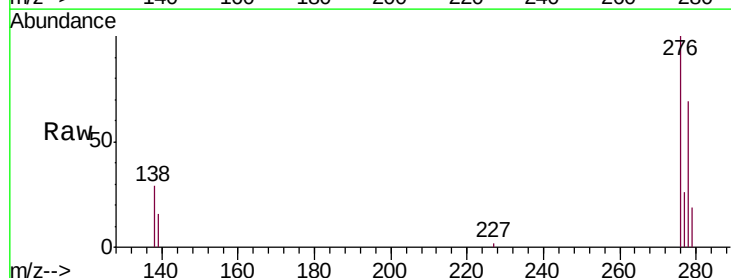
RT: 25.36 min Scan# 6098

Delta R.T. -0.00 min

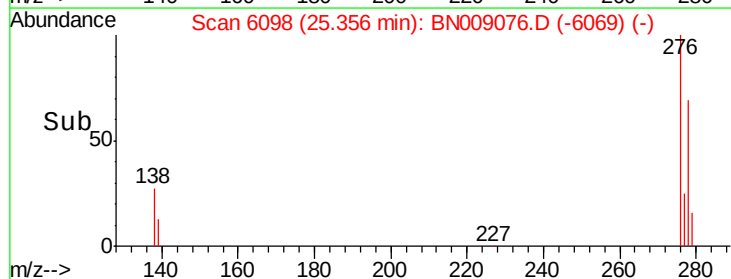
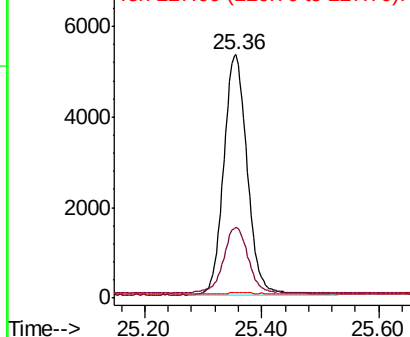
Lab File: BN009076.D

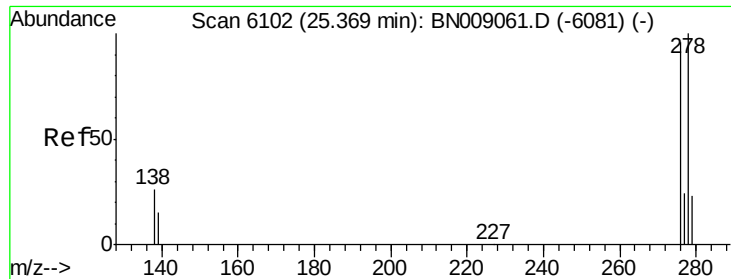
Acq: 20 Dec 2019 19:52

Tgt Ion:	276	Resp:	14785
Ion	Ratio	Lower	Upper
276	100		
138	28.4	22.4	33.6
227	0.4	0.2	0.4#



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: 0.449 ng/ul

RT: 25.37 min Scan# 6101

Delta R.T. -0.01 min

Lab File: BN009076.D

Acq: 20 Dec 2019 19:52

Instrument :

BNA_N

ClientSampleId :

SSTD0.417

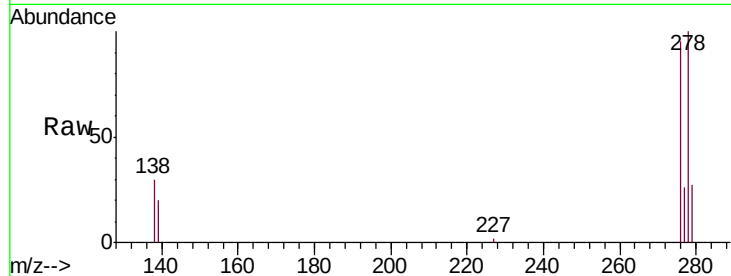
Tgt Ion: 278 Resp: 11877

Ion Ratio Lower Upper

278 100

139 19.9 16.2 24.2

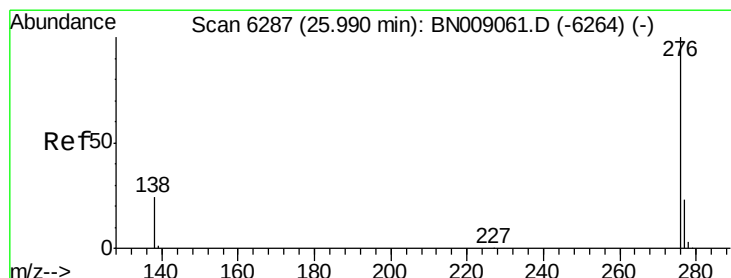
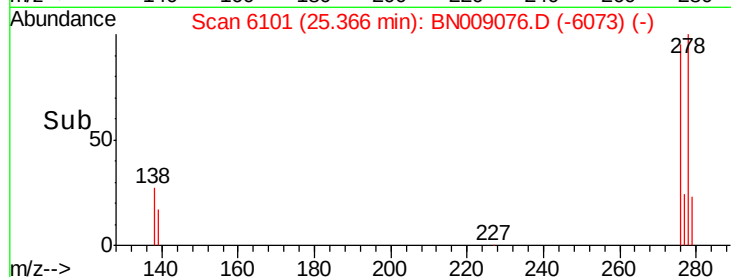
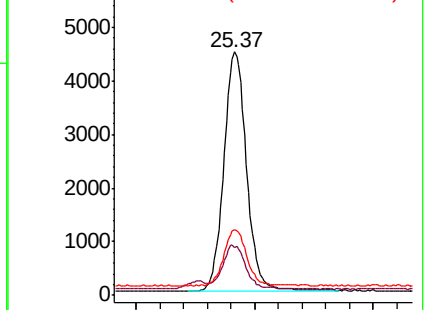
279 26.8 20.3 30.5



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: 0.450 ng/ul

RT: 25.99 min Scan# 6287

Delta R.T. -0.00 min

Lab File: BN009076.D

Acq: 20 Dec 2019 19:52

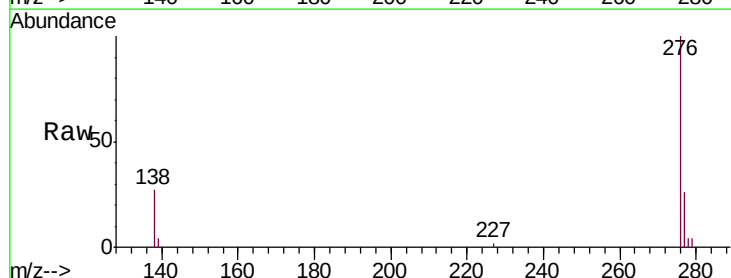
Tgt Ion: 276 Resp: 12586

Ion Ratio Lower Upper

276 100

138 26.6 20.6 30.8

277 25.5 19.6 29.4



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

