

Data File : BN008693.D
Acq On : 22 Nov 2019 01:51
Operator : JU
Sample : K5854-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AC4

Quant Time: Nov 22 07:15:43 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 : Fri Nov 22 07:12:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	4350	0.40	ng/ul	0.00
2) Naphthalene-d8	10.37	136	15599	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.23	164	10857	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.97	188	19068	0.40	ng/ul	0.00
16) Chrysene-d12	21.17	240	13062	0.40	ng/ul	0.00
20) Perylene-d12	23.34	264	15659	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.96	152	5486	0.21	ng/ul	0.00
14) Fluoranthene-d10	19.01	212	14999	0.26	ng/ul	0.00

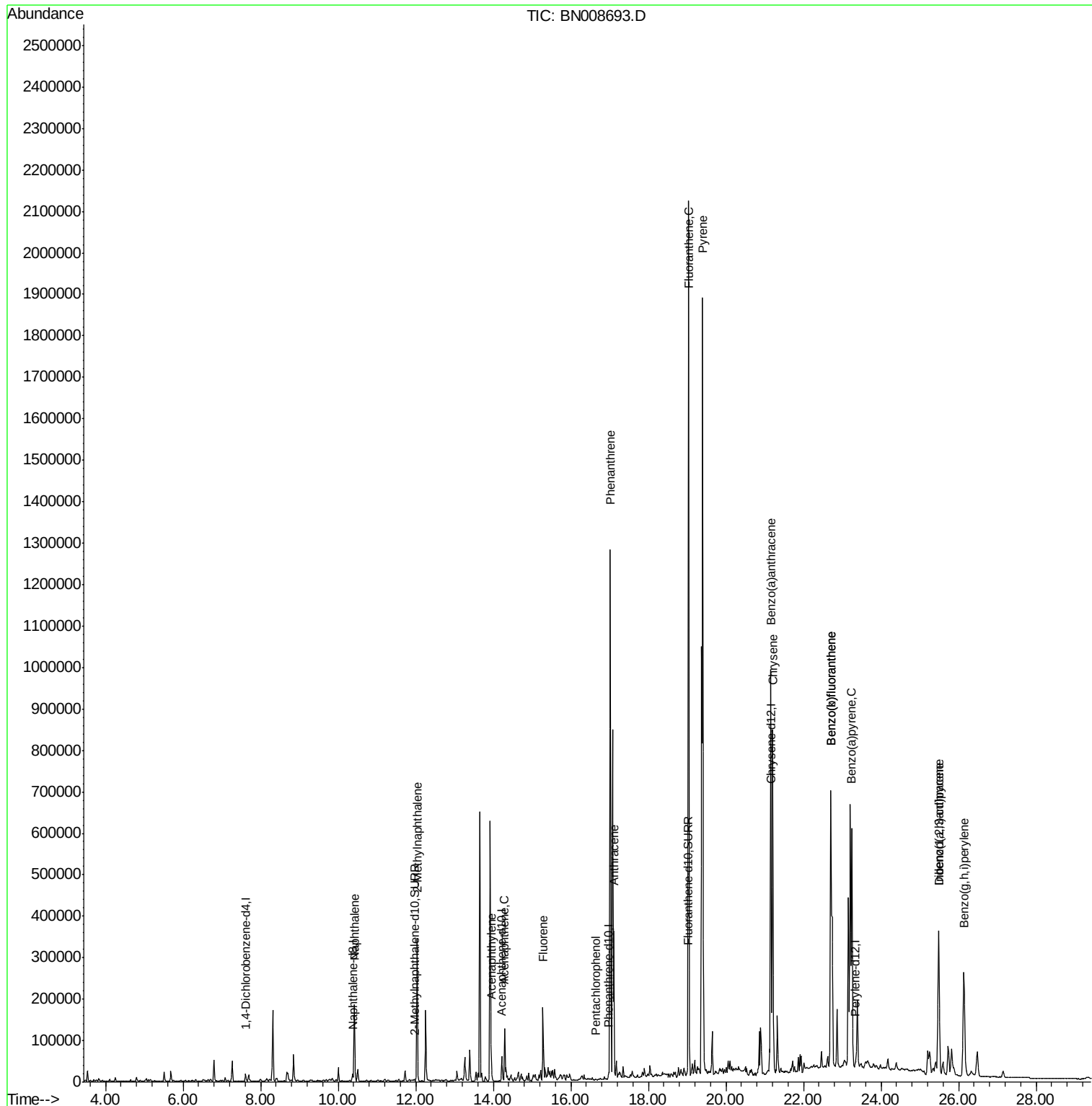
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.42	128	240254	5.109	ng/ul	98
5) 2-Methylnaphthalene	12.03	142	239091	7.281	ng/ul	100
7) Acenaphthylene	13.95	152	52104	0.868	ng/ul#	96
8) Acenaphthene	14.29	153	75317	1.691	ng/ul	100
9) Fluorene	15.29	166	97918	1.872	ng/ul#	96
11) Pentachlorophenol	16.63	266	256	0.035	ng/ul	89
12) Phenanthrene	17.02	178	1319137	20.513	ng/ul	98
13) Anthracene	17.11	178	364262	5.995	ng/ul	99
15) Fluoranthene	19.04	202	1775871	22.478	ng/ul	92
17) Pyrene	19.40	202	1576716	30.088	ng/ul	95
18) Benzo(a)anthracene	21.16	228	830712	15.814	ng/ul	97
19) Chrysene	21.21	228	813716	15.772	ng/ul	96
21) Benzo(b)fluoranthene	22.70	252	1423227	22.041	ng/ul	98
22) Benzo(k)fluoranthene	22.70	252	1423227	22.224	ng/ul	94
23) Benzo(a)pyrene	23.25	252	721059	11.897	ng/ul	95
24) Indeno(1,2,3-cd)pyrene	25.49	276	497668	7.021	ng/ul#	95
25) Dibenzo(a,h)anthracene	25.49	278	121982	2.131	ng/ul#	90
26) Benzo(g,h,i)perylene	26.14	276	494403	8.338	ng/ul	98

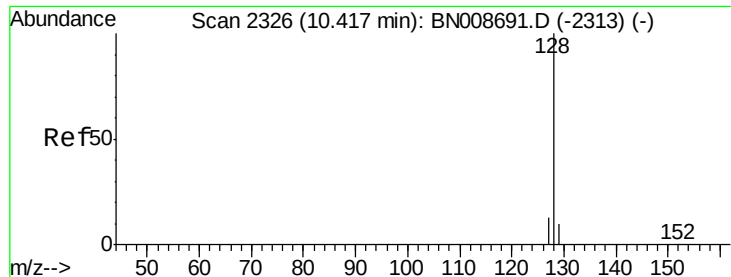
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 22 07:15:43 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN11519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 22 07:12:34 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 5.109 ng/ul

RT: 10.42 min Scan# 2326

Delta R.T. -0.00 min

Lab File: BN008693.D

Acq: 22 Nov 2019 01:51

Instrument :

BNA_N

ClientSampleId :

C0AC4

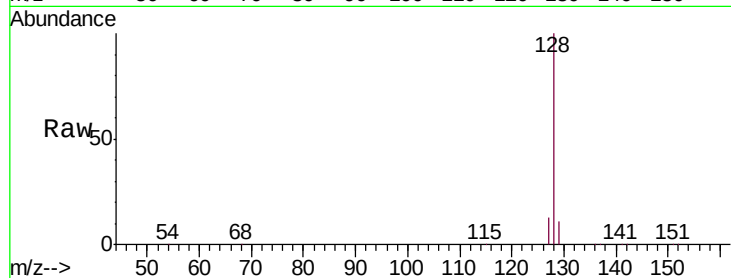
Tgt Ion:128 Resp: 240254

Ion Ratio Lower Upper

128 100

129 11.0 9.7 14.5

127 12.9 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

10.42

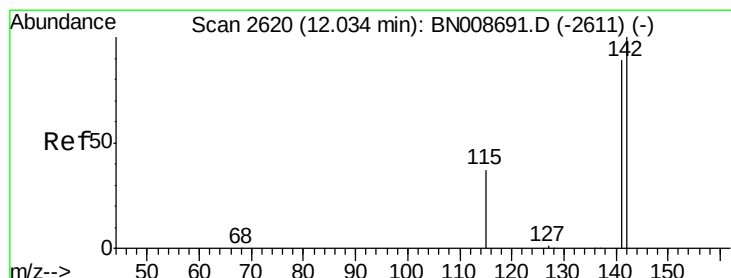
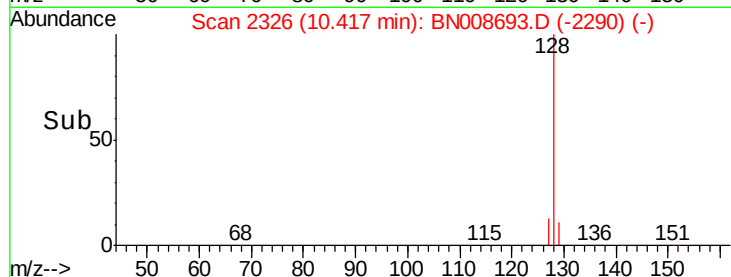
150000

100000

50000

0

Time-->



#5

2-Methylnaphthalene

Concen: 7.281 ng/ul

RT: 12.03 min Scan# 2620

Delta R.T. -0.00 min

Lab File: BN008693.D

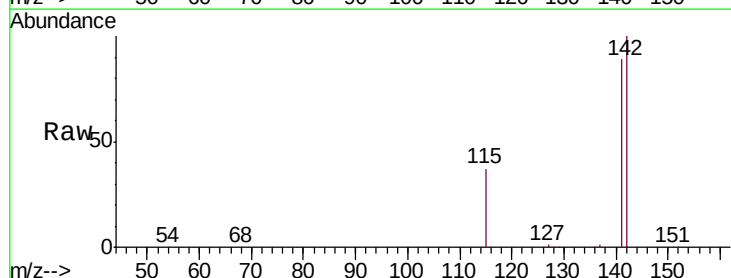
Acq: 22 Nov 2019 01:51

Tgt Ion:142 Resp: 239091

Ion Ratio Lower Upper

142 100

141 87.9 70.5 105.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.03

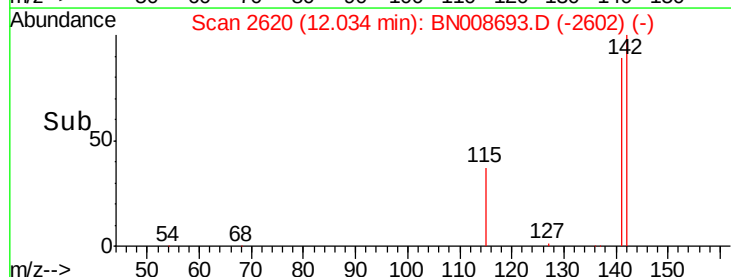
150000

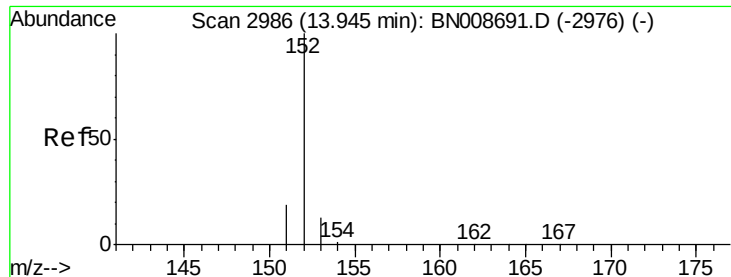
100000

50000

0

Time-->





#7

Acenaphthylene

Concen: 0.868 ng/ul

RT: 13.95 min Scan# 2987

Delta R.T. 0.00 min

Lab File: BN008693.D

Acq: 22 Nov 2019 01:51

Instrument :

BNA_N

ClientSampleId :

C0AC4

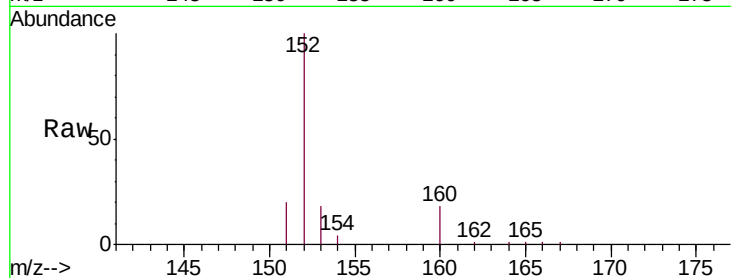
Tgt Ion:152 Resp: 52104

Ion Ratio Lower Upper

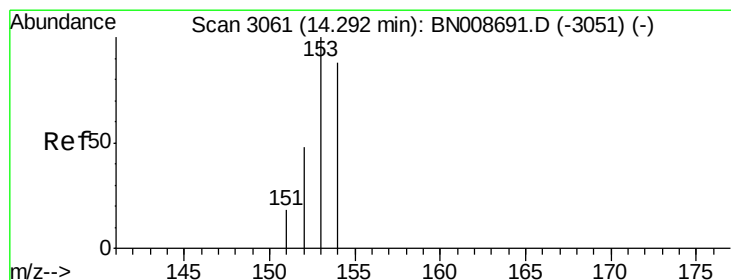
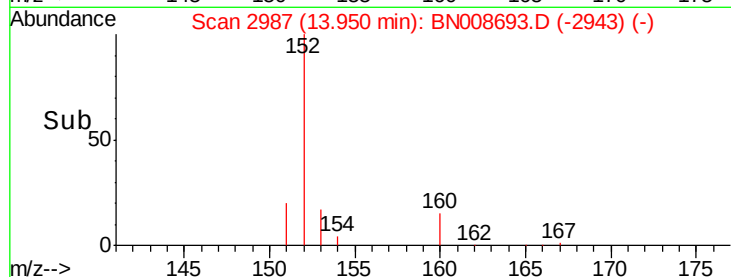
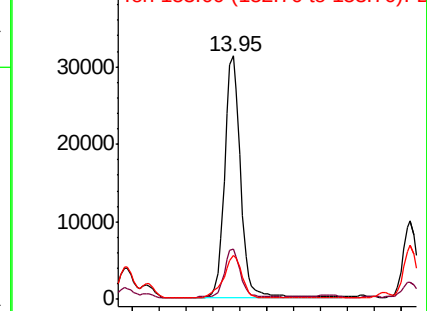
152 100

151 20.5 16.6 24.8

153 17.8 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: 1.691 ng/ul

RT: 14.29 min Scan# 3061

Delta R.T. -0.00 min

Lab File: BN008693.D

Acq: 22 Nov 2019 01:51

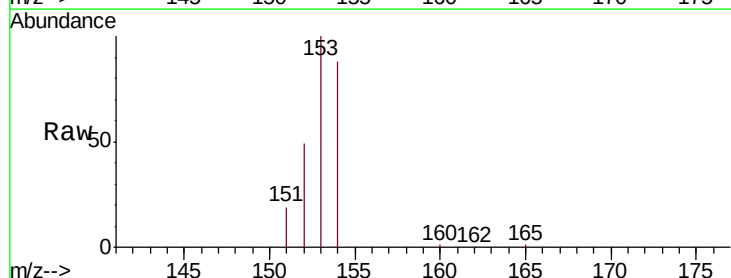
Tgt Ion:153 Resp: 75317

Ion Ratio Lower Upper

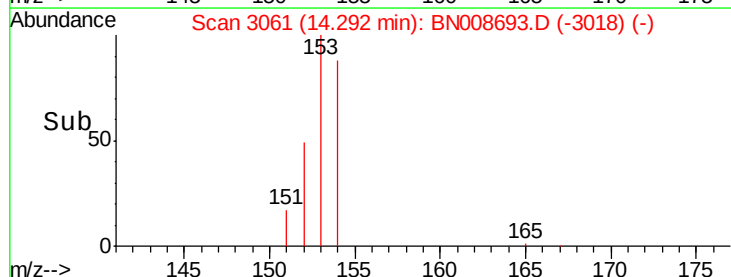
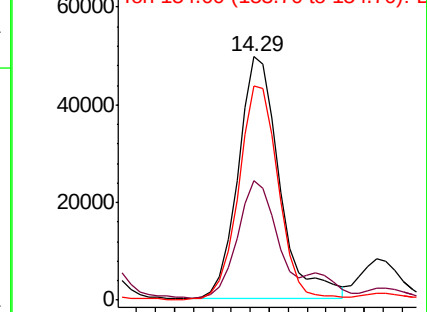
153 100

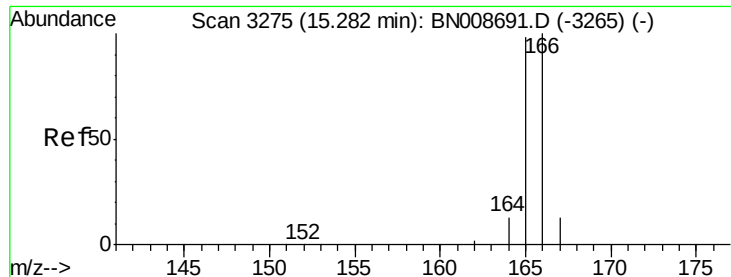
152 49.1 39.6 59.4

154 88.0 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: 1.872 ng/ul

RT: 15.29 min Scan# 3276

Delta R.T. 0.00 min

Lab File: BN008693.D

Acq: 22 Nov 2019 01:51

Instrument :

BNA_N

ClientSampleId :

C0AC4

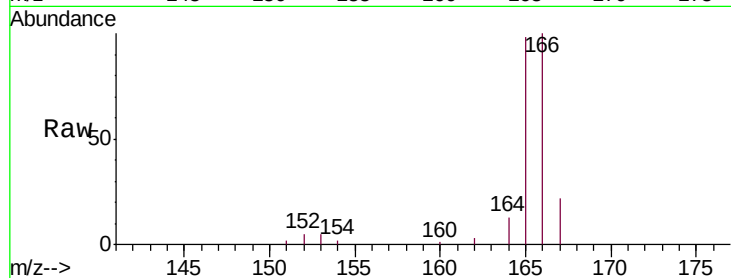
Tgt Ion:166 Resp: 97918

Ion Ratio Lower Upper

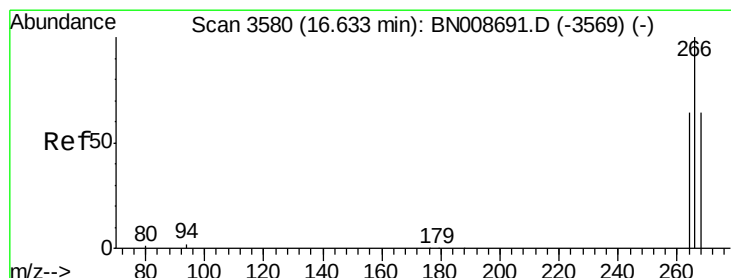
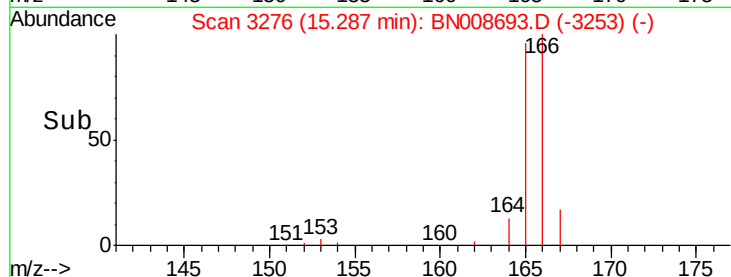
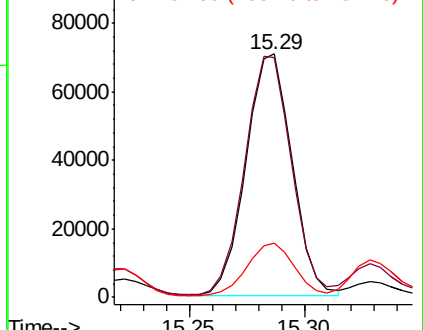
166 100

165 98.3 77.4 116.0

167 22.3 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: 0.035 ng/ul

RT: 16.63 min Scan# 3580

Delta R.T. -0.00 min

Lab File: BN008693.D

Acq: 22 Nov 2019 01:51

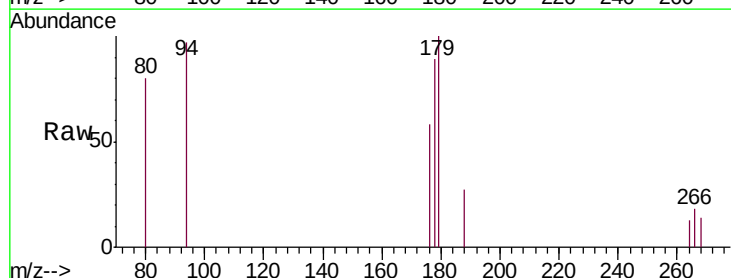
Tgt Ion:266 Resp: 256

Ion Ratio Lower Upper

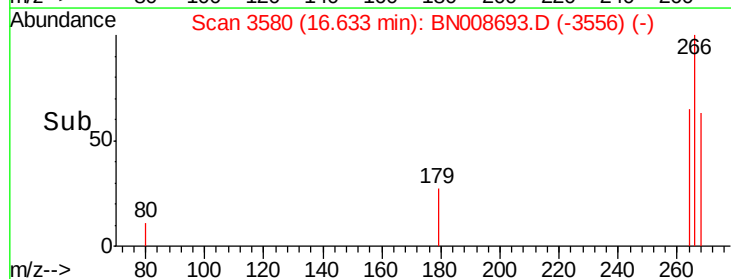
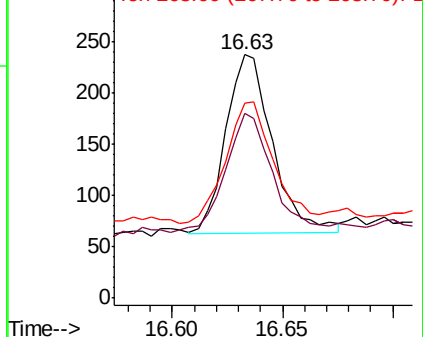
266 100

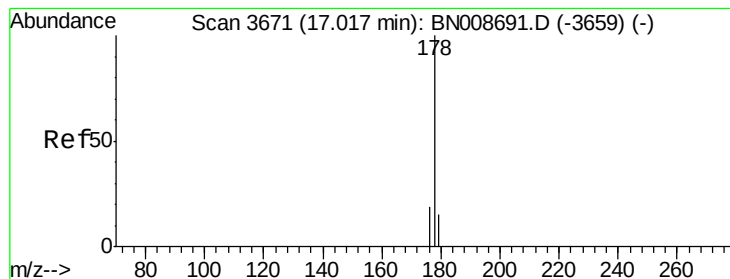
264 71.9 49.2 73.8

268 70.3 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: 20.513 ng/ul

RT: 17.02 min Scan# 3671

Delta R.T. -0.00 min

Lab File: BN008693.D

Acq: 22 Nov 2019 01:51

Instrument :

BNA_N

ClientSampleId :

C0AC4

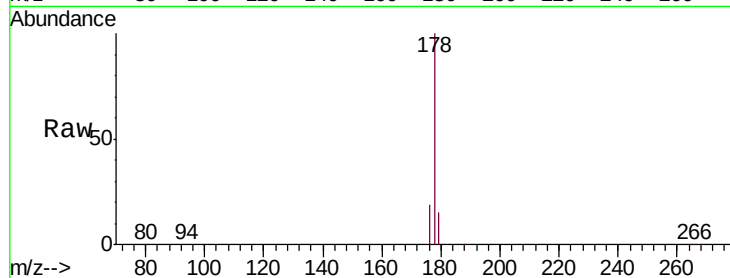
Tgt Ion:178 Resp: 1319137

Ion Ratio Lower Upper

178 100

179 15.5 12.8 19.2

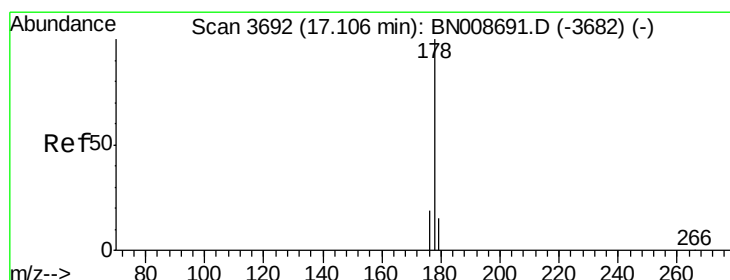
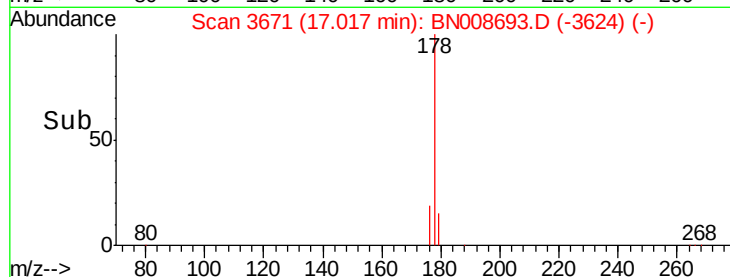
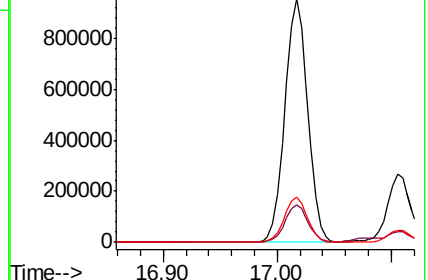
176 18.8 16.0 24.0



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: 5.995 ng/ul

RT: 17.11 min Scan# 3692

Delta R.T. -0.00 min

Lab File: BN008693.D

Acq: 22 Nov 2019 01:51

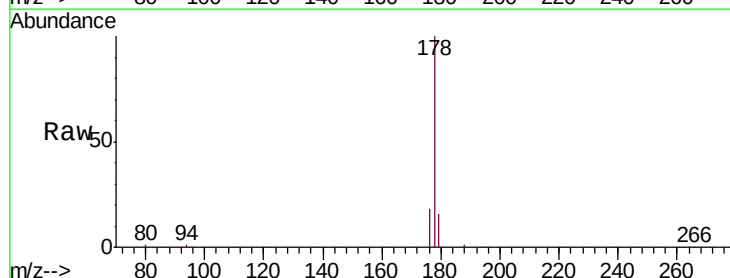
Tgt Ion:178 Resp: 364262

Ion Ratio Lower Upper

178 100

179 15.7 13.0 19.4

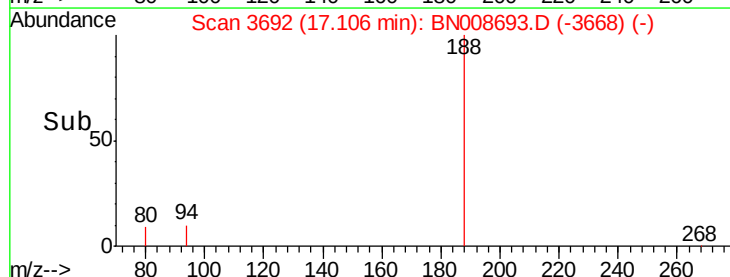
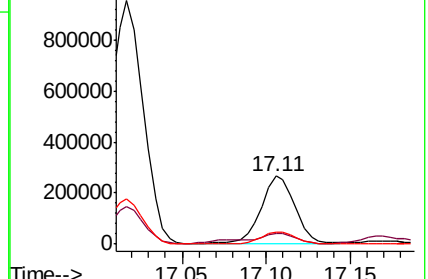
176 18.4 15.3 22.9

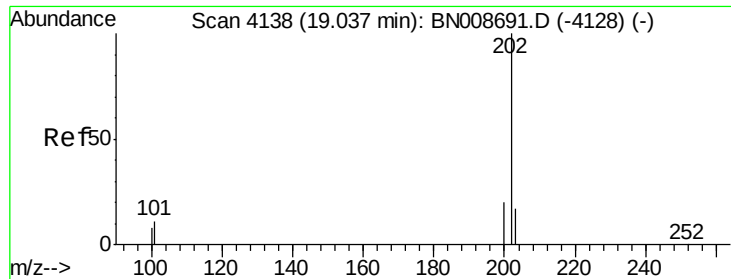


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

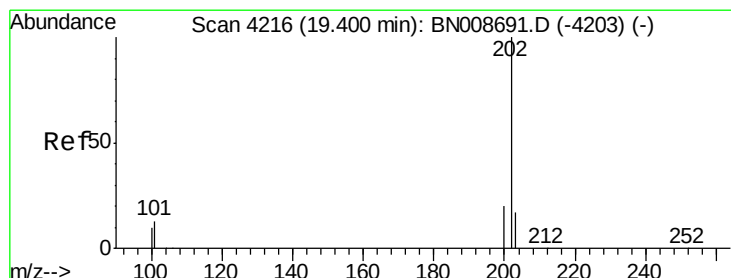
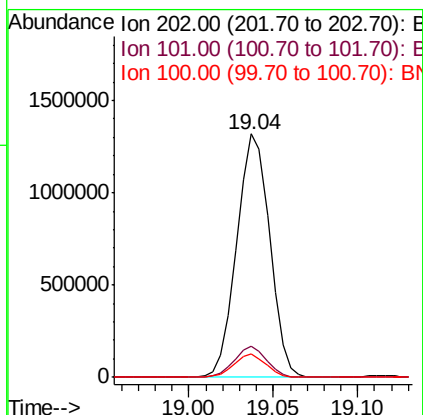
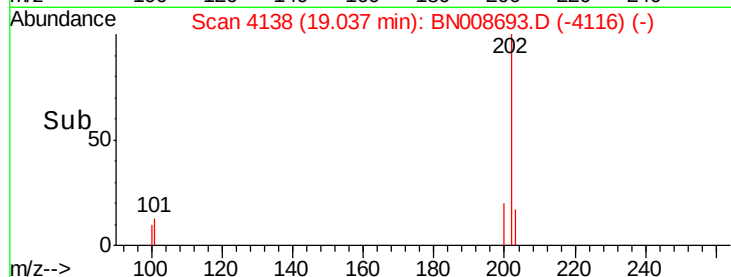
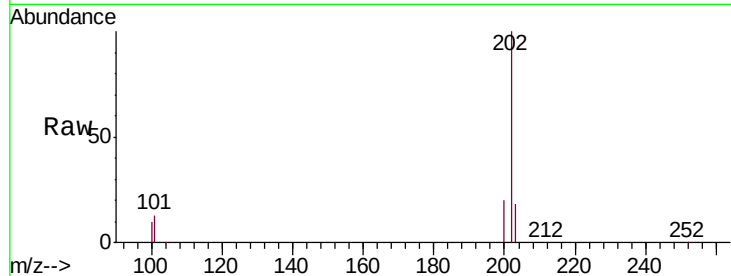




#15
Fluoranthene
Concen: 22.478 ng/ul
RT: 19.04 min Scan# 4138
Delta R.T. -0.00 min
Lab File: BN008693.D
Acq: 22 Nov 2019 01:51

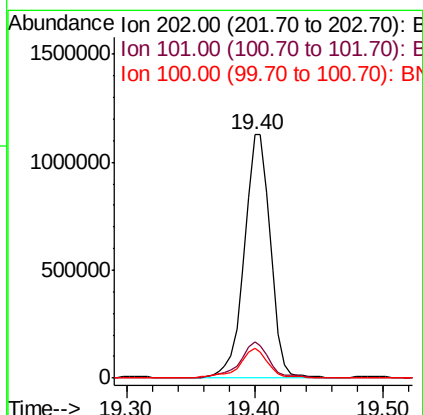
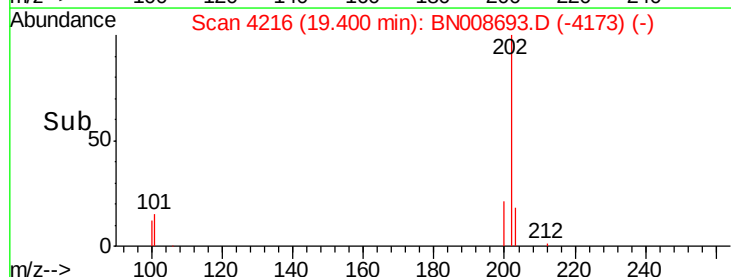
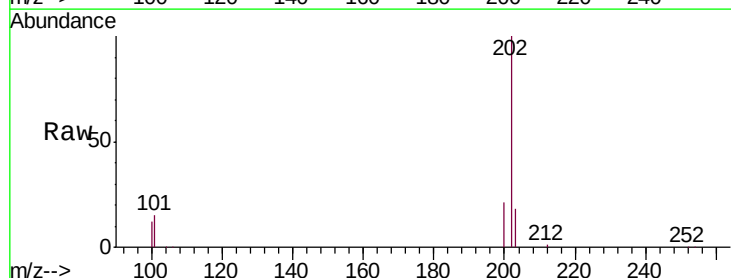
Instrument :
BNA_N
ClientSampleId :
C0AC4

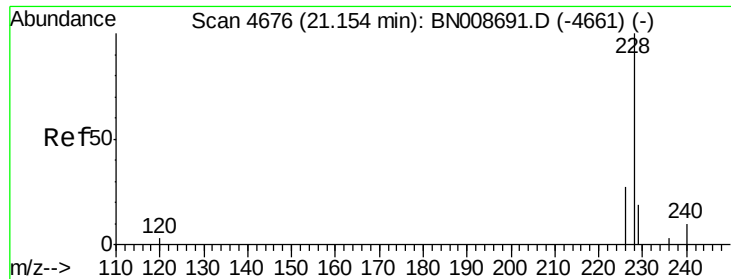
Tgt Ion:202 Resp: 1775871
Ion Ratio Lower Upper
202 100
101 12.8 0.0 29.6
100 9.6 0.0 27.0



#17
Pyrene
Concen: 30.088 ng/ul
RT: 19.40 min Scan# 4216
Delta R.T. -0.00 min
Lab File: BN008693.D
Acq: 22 Nov 2019 01:51

Tgt Ion:202 Resp: 1576716
Ion Ratio Lower Upper
202 100
101 14.9 10.2 15.2
100 12.2 8.2 12.2





#18

Benzo(a)anthracene

Concen: 15.814 ng/ul

RT: 21.16 min Scan# 4677

Delta R.T. 0.00 min

Lab File: BN008693.D

Acq: 22 Nov 2019 01:51

Instrument :

BNA_N

ClientSampleId :

C0AC4

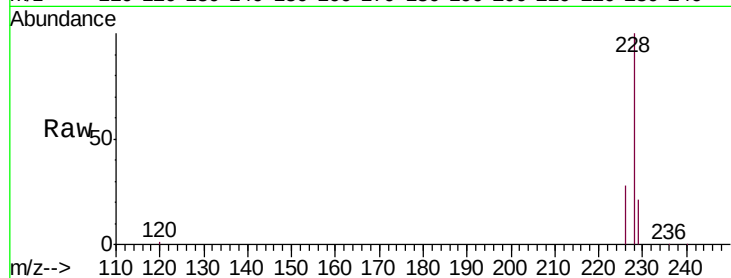
Tgt Ion:228 Resp: 830712

Ion Ratio Lower Upper

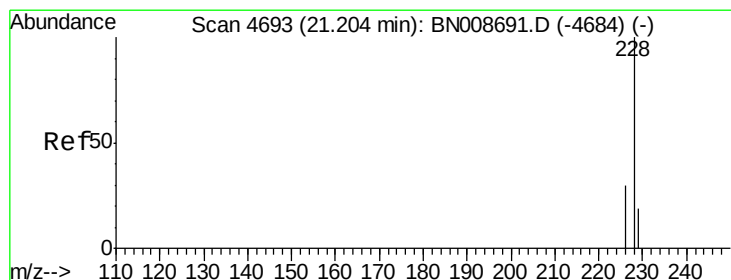
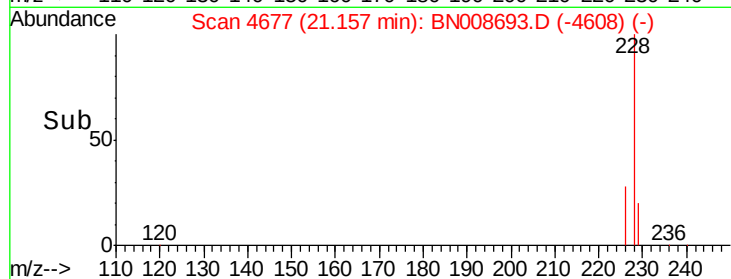
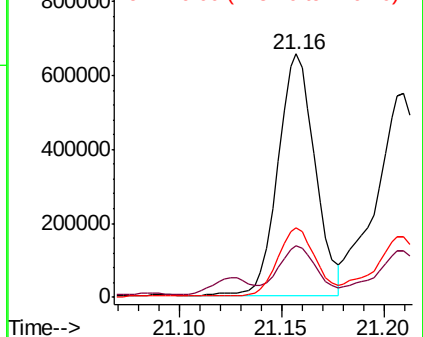
228 100

229 21.1 15.8 23.6

226 28.4 21.6 32.4



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: 15.772 ng/ul

RT: 21.21 min Scan# 4695

Delta R.T. 0.01 min

Lab File: BN008693.D

Acq: 22 Nov 2019 01:51

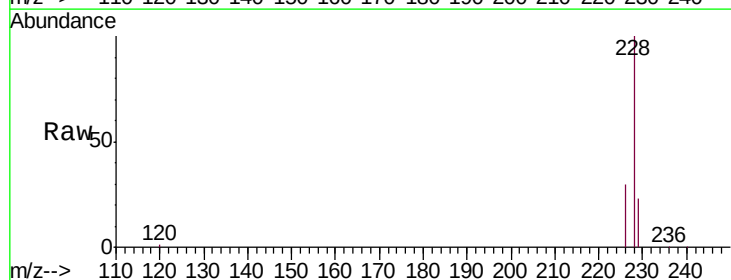
Tgt Ion:228 Resp: 813716

Ion Ratio Lower Upper

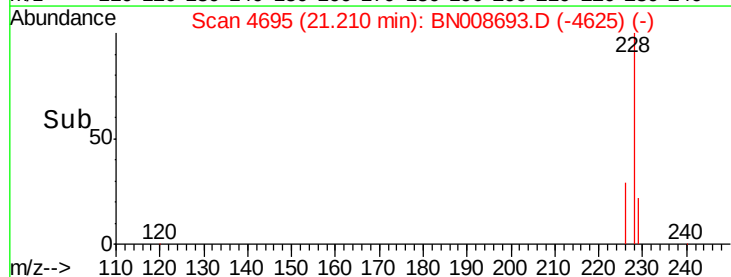
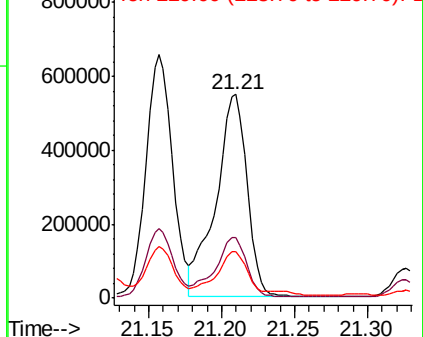
228 100

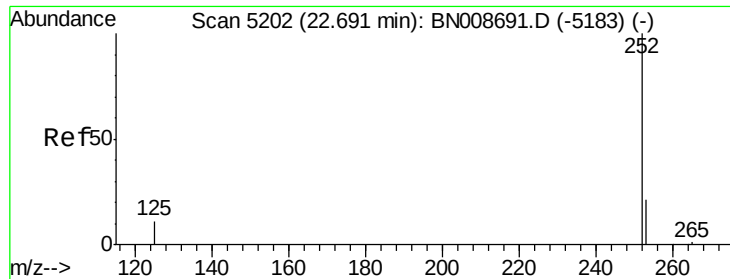
226 29.8 24.5 36.7

229 22.9 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: 22.041 ng/ul

RT: 22.70 min Scan# 5206

Delta R.T. 0.01 min

Lab File: BN008693.D

Acq: 22 Nov 2019 01:51

Instrument :

BNA_N

ClientSampleId :

C0AC4

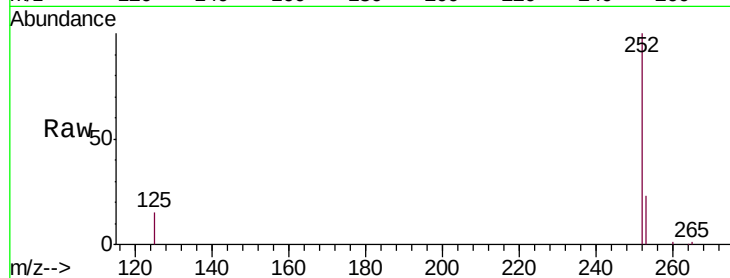
Tgt Ion:252 Resp: 1423227

Ion Ratio Lower Upper

252 100

253 23.4 0.0 50.2

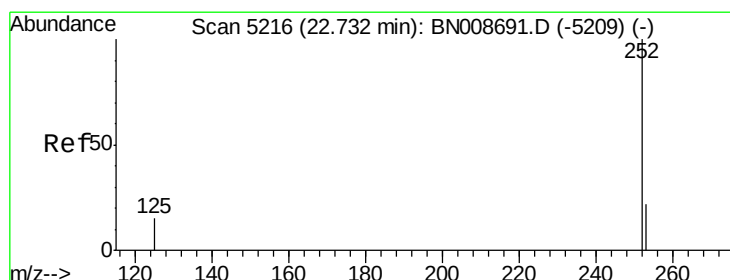
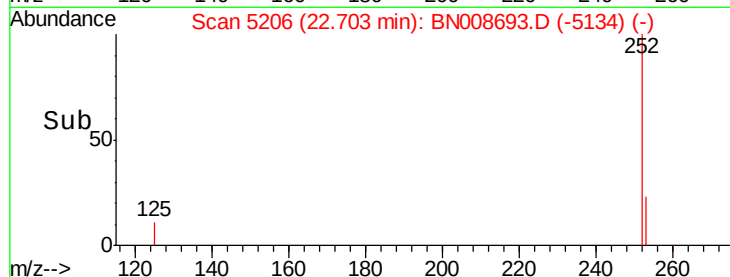
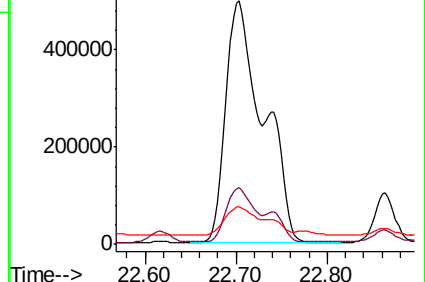
125 15.3 0.0 30.0



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: 22.224 ng/ul

RT: 22.70 min Scan# 5206

Delta R.T. -0.03 min

Lab File: BN008693.D

Acq: 22 Nov 2019 01:51

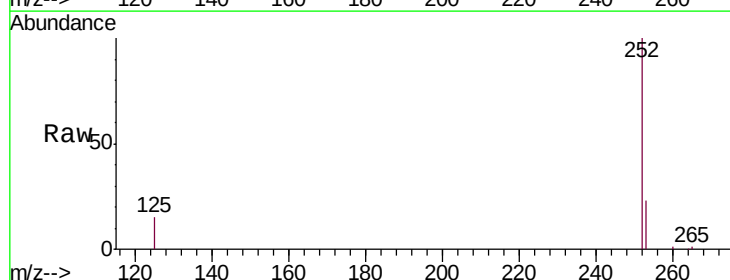
Tgt Ion:252 Resp: 1423227

Ion Ratio Lower Upper

252 100

253 23.4 20.5 30.7

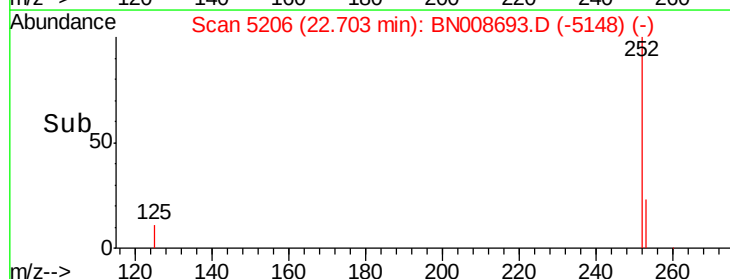
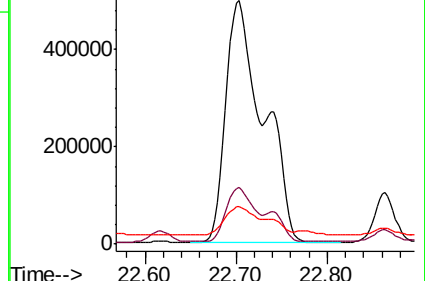
125 15.3 15.0 22.4

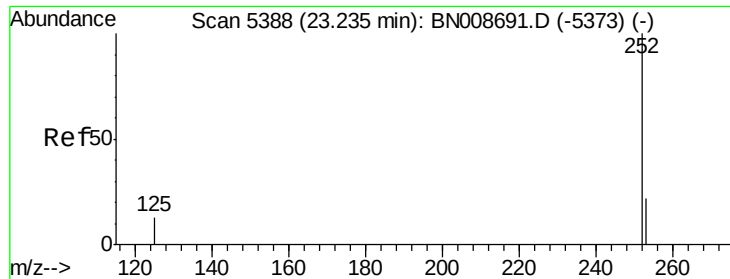


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 11.897 ng/ul

RT: 23.25 min Scan# 5392

Delta R.T. 0.01 min

Lab File: BN008693.D

Acq: 22 Nov 2019 01:51

Instrument :

BNA_N

ClientSampleId :

C0AC4

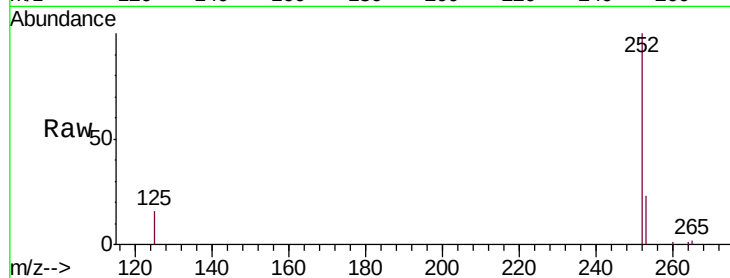
Tgt Ion:252 Resp: 721059

Ion Ratio Lower Upper

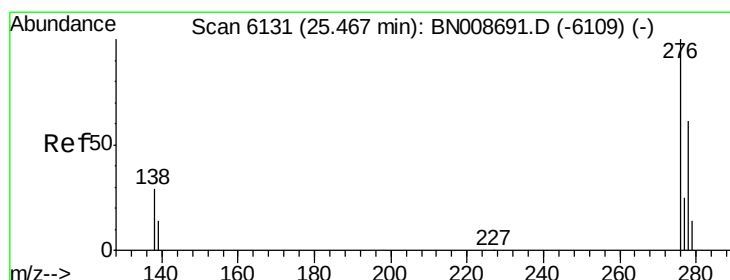
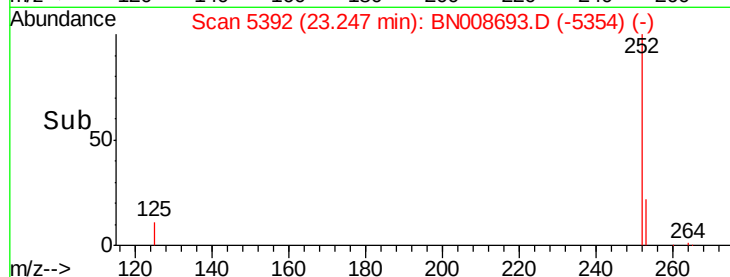
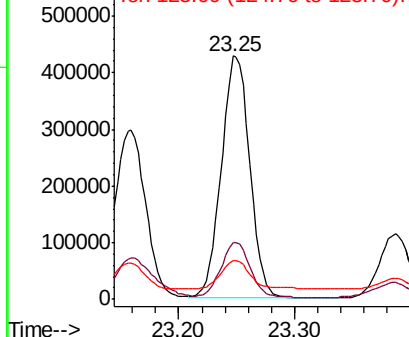
252 100

253 23.1 21.4 32.2

125 16.1 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: 7.021 ng/ul

RT: 25.49 min Scan# 6137

Delta R.T. 0.02 min

Lab File: BN008693.D

Acq: 22 Nov 2019 01:51

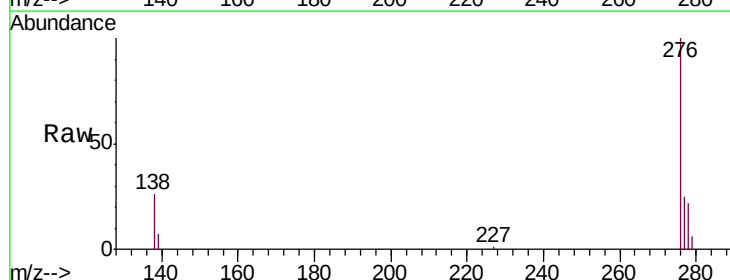
Tgt Ion:276 Resp: 497668

Ion Ratio Lower Upper

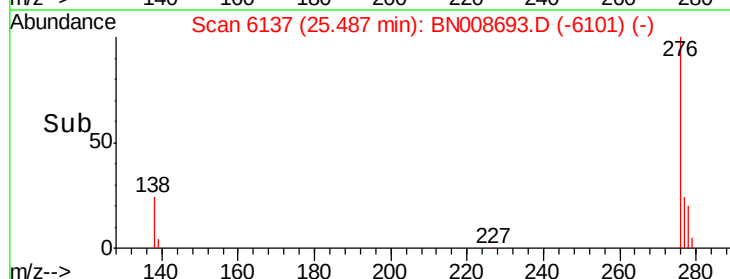
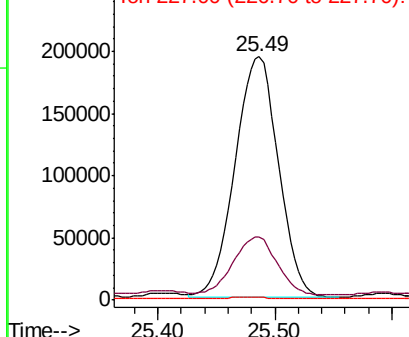
276 100

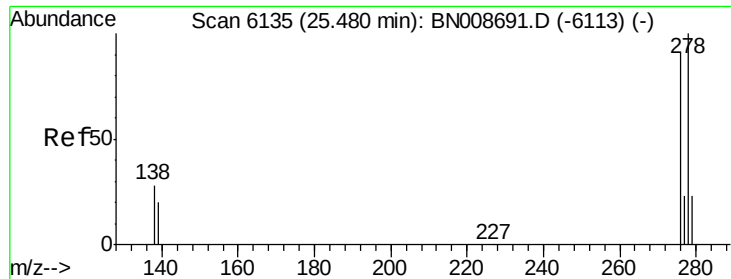
138 24.6 21.7 32.5

227 0.3 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



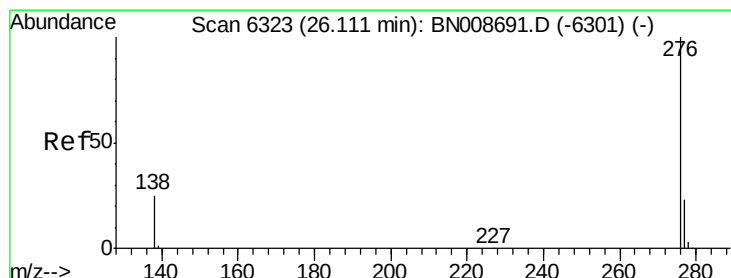
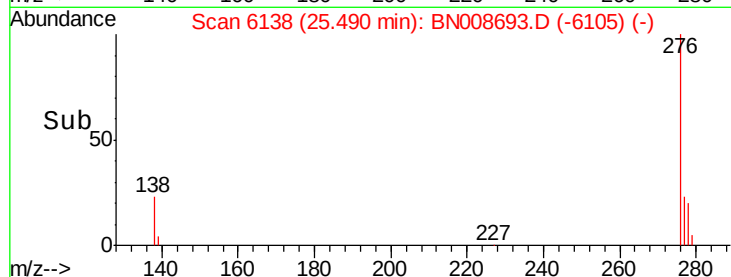
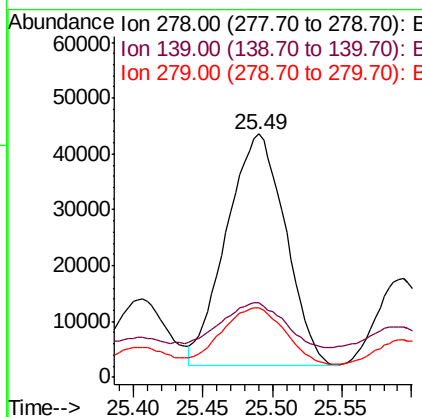
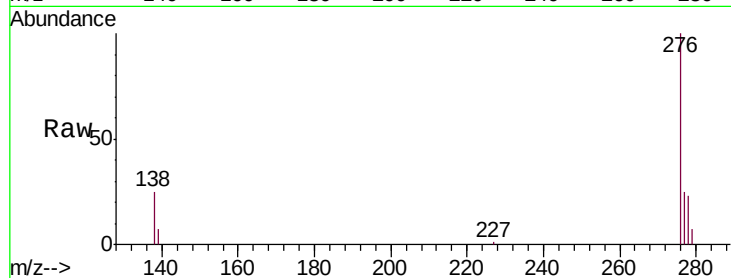


#25
Dibenzo(a,h)anthracene
Concen: 2.131 ng/ul
RT: 25.49 min Scan# 6138
Delta R.T. 0.01 min
Lab File: BN008693.D
Acq: 22 Nov 2019 01:51

Instrument :
BNA_N
ClientSampleId :
C0AC4

Tgt Ion: 278 Resp: 121982

Ion	Ratio	Lower	Upper
278	100		
139	30.9	18.7	28.1#
279	28.6	20.8	31.2



#26
Benzo(g,h,i)perylene
Concen: 8.338 ng/ul
RT: 26.14 min Scan# 6331
Delta R.T. 0.03 min
Lab File: BN008693.D
Acq: 22 Nov 2019 01:51

Tgt Ion: 276 Resp: 494403

Ion	Ratio	Lower	Upper
276	100		
138	26.3	20.0	30.0
277	24.3	20.0	30.0

