

Data File : BN008691.D
Acq On : 22 Nov 2019 00:39
Operator : JU
Sample : SSTDC00.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTD0.419

Quant Time: Nov 22 06:35:04 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 06:30:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	3920	0.40	ng/ul	0.00
2) Naphthalene-d8	10.37	136	13670	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.23	164	7858	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.97	188	15336	0.40	ng/ul	0.00
16) Chrysene-d12	21.17	240	13392	0.40	ng/ul	0.00
20) Perylene-d12	23.33	264	13646	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.96	152	8497	0.38	ng/ul	0.00
14) Fluoranthene-d10	19.00	212	18168	0.39	ng/ul	0.00

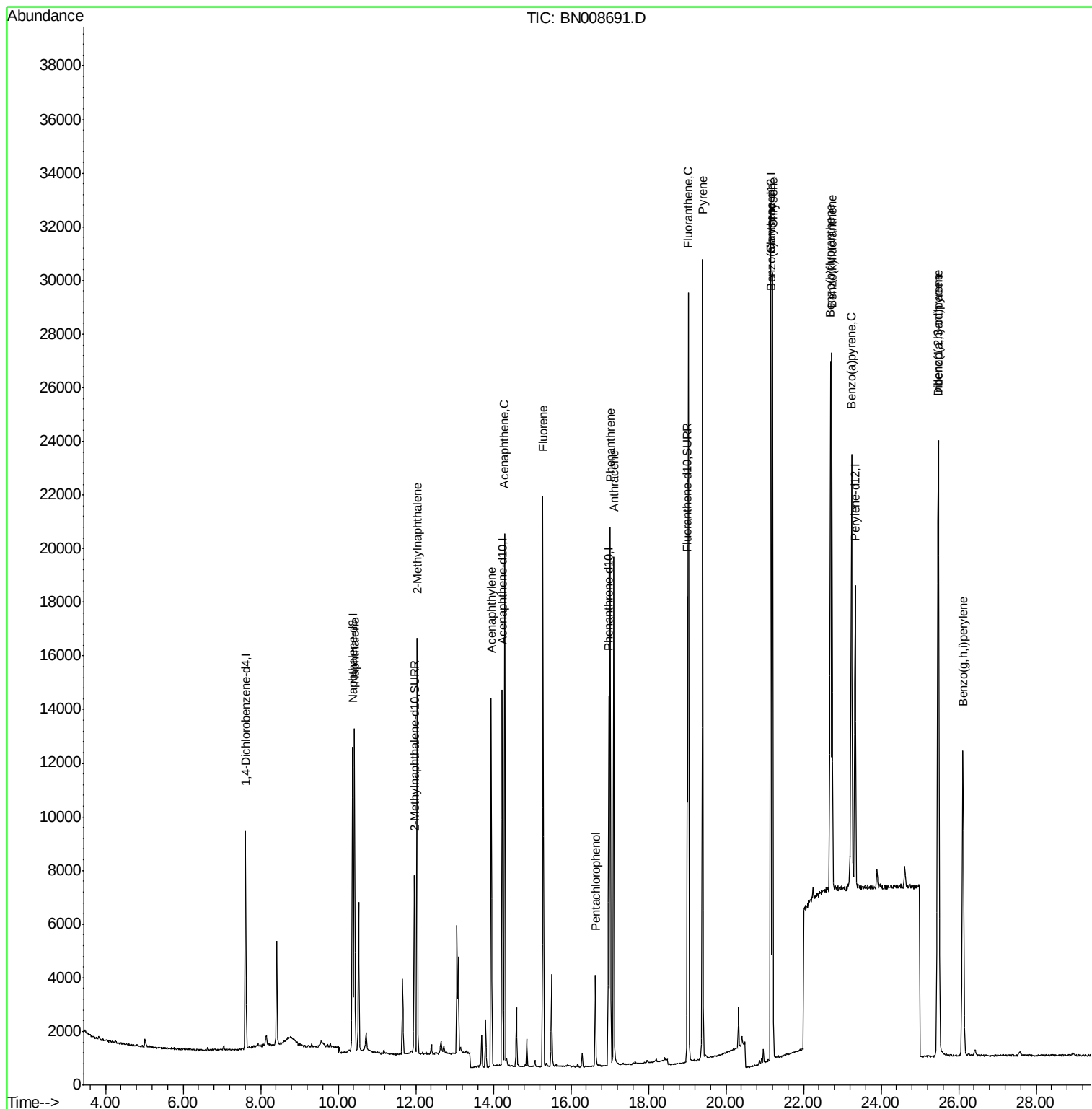
Target Compounds						Qvalue
3) Naphthalene	10.42	128	16002	0.388	ng/ul	99
5) 2-Methylnaphthalene	12.03	142	10844	0.377	ng/ul	100
7) Acenaphthylene	13.95	152	15482	0.356	ng/ul	98
8) Acenaphthene	14.29	153	11277	0.350	ng/ul	99
9) Fluorene	15.28	166	12840	0.339	ng/ul	99
11) Pentachlorophenol	16.63	266	2232	0.385	ng/ul	97
12) Phenanthrene	17.02	178	20960	0.405	ng/ul	99
13) Anthracene	17.11	178	19531	0.400	ng/ul	100
15) Fluoranthene	19.04	202	24307	0.383	ng/ul	94
17) Pyrene	19.40	202	24697	0.460	ng/ul	98
18) Benzo(a)anthracene	21.15	228	23663	0.439	ng/ul	100
19) Chrysene	21.20	228	23055	0.436	ng/ul	99
21) Benzo(b)fluoranthene	22.69	252	23281	0.414	ng/ul	97
22) Benzo(k)fluoranthene	22.73	252	22698	0.407	ng/ul	97
23) Benzo(a)pyrene	23.23	252	21593	0.409	ng/ul#	96
24) Indeno(1,2,3-cd)pyrene	25.47	276	25050	0.406	ng/ul	93
25) Dibenzo(a,h)anthracene	25.48	278	20157	0.404	ng/ul	99
26) Benzo(g,h,i)perylene	26.11	276	21293	0.412	ng/ul	97

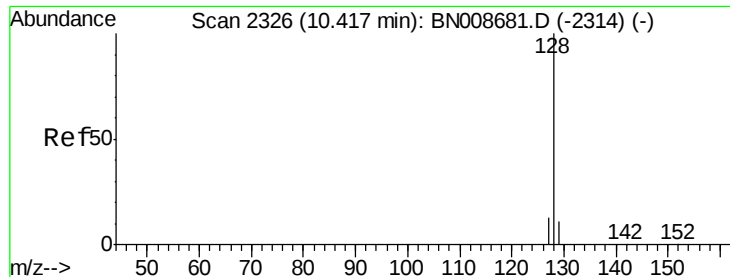
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Client Sample ID :
SSTD0.419

Quant Time: Nov 22 06:35:04 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 06:30:58 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.388 ng/ul

RT: 10.42 min Scan# 2326

Delta R.T. -0.00 min

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BNA_N

ClientSampleId :

SSTD0.419

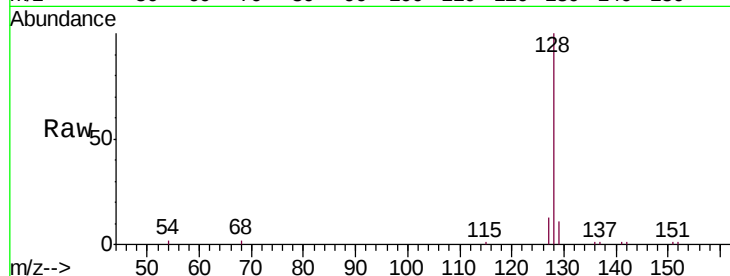
Tgt Ion:128 Resp: 16002

Ion Ratio Lower Upper

128 100

129 11.2 9.7 14.5

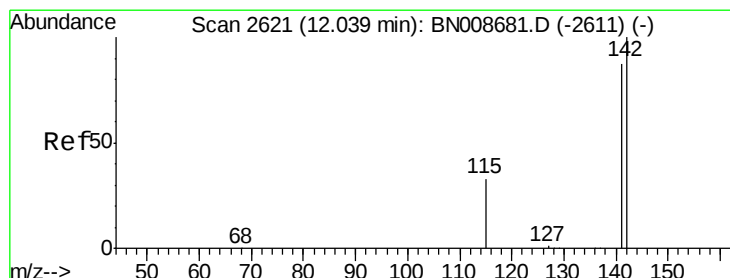
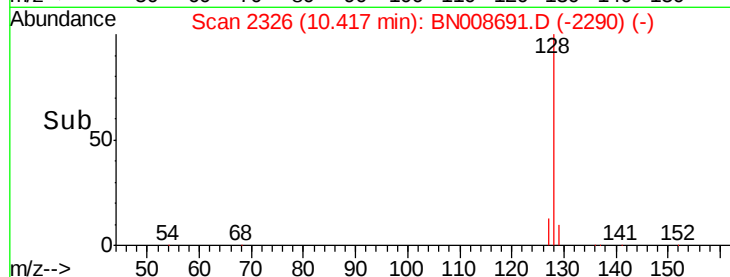
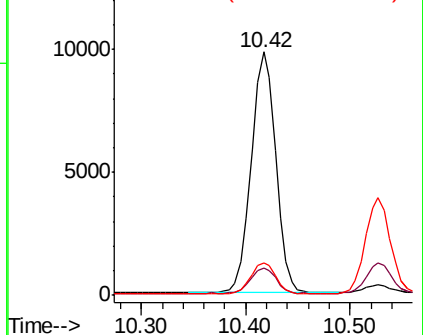
127 13.3 10.8 16.2



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



#5

2-Methylnaphthalene

Concen: 0.377 ng/ul

RT: 12.03 min Scan# 2620

Delta R.T. -0.01 min

Lab File: BN008691.D

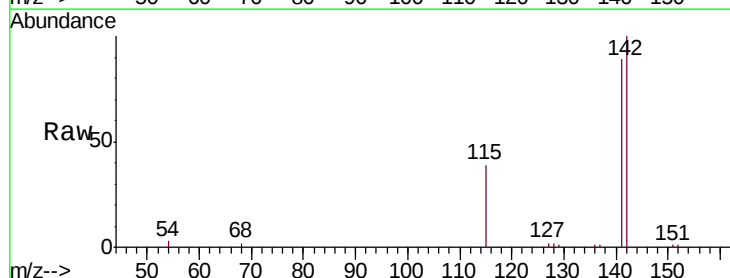
Acq: 22 Nov 2019 00:39

Tgt Ion:142 Resp: 10844

Ion Ratio Lower Upper

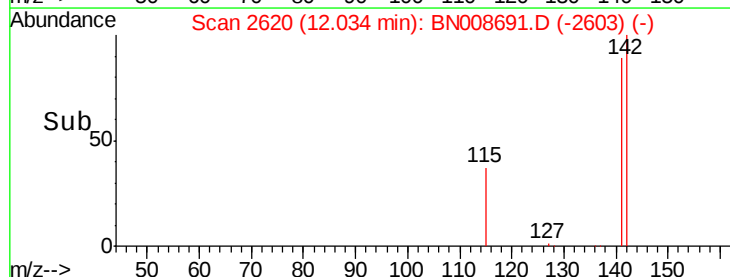
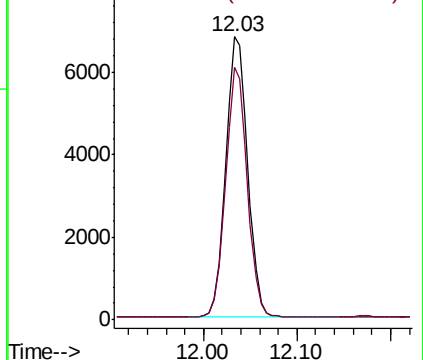
142 100

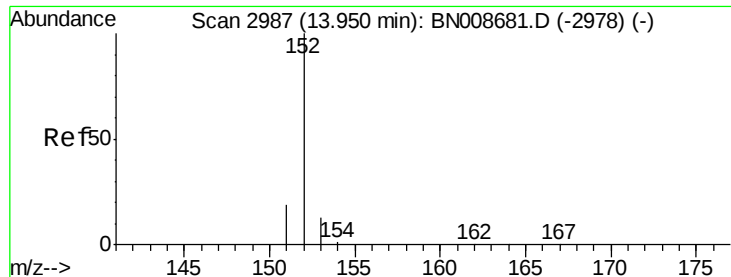
141 88.0 70.5 105.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.356 ng/ul

RT: 13.95 min Scan# 2986

Delta R.T. -0.00 min

Lab File: BN008691.D

Acq: 22 Nov 2019 00:39

Instrument :

BNA_N

ClientSampleId :

SSTD0.419

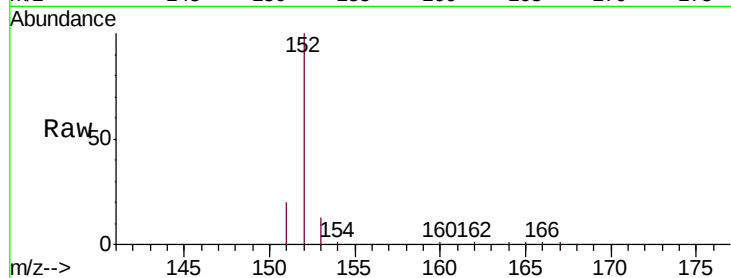
Tgt Ion:152 Resp: 15482

Ion Ratio Lower Upper

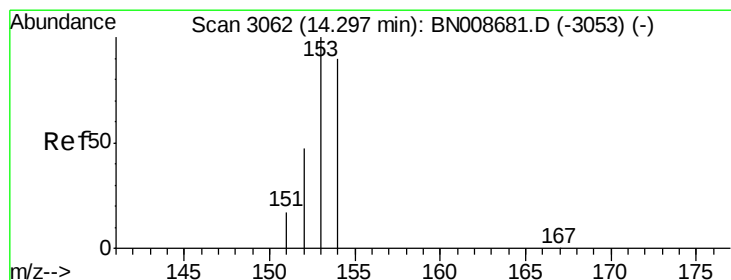
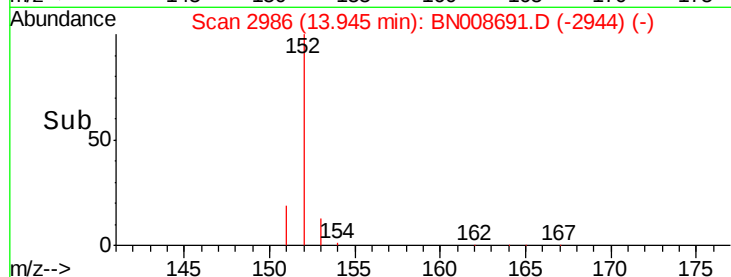
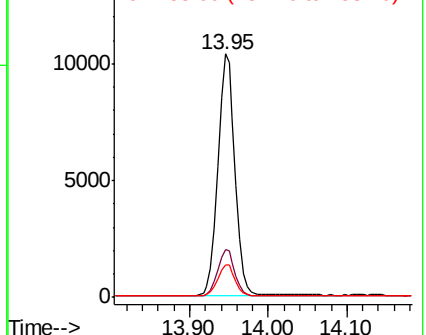
152 100

151 19.8 16.6 24.8

153 13.2 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: 0.350 ng/ul

RT: 14.29 min Scan# 3061

Delta R.T. -0.00 min

Lab File: BN008691.D

Acq: 22 Nov 2019 00:39

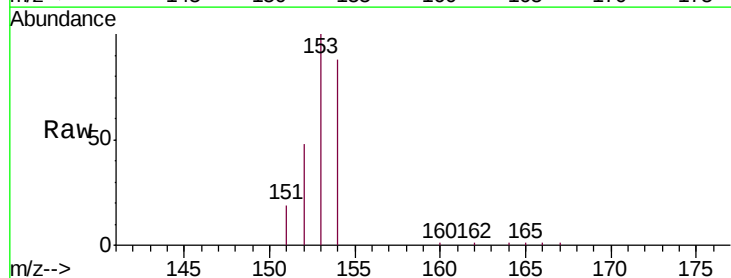
Tgt Ion:153 Resp: 11277

Ion Ratio Lower Upper

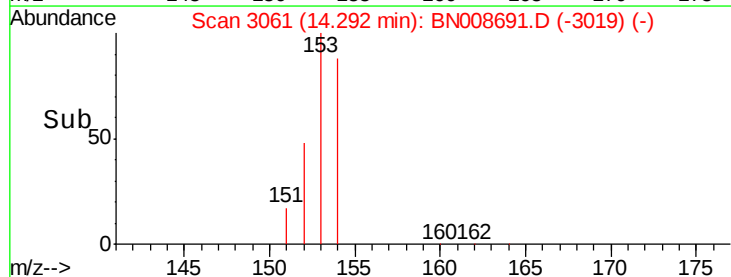
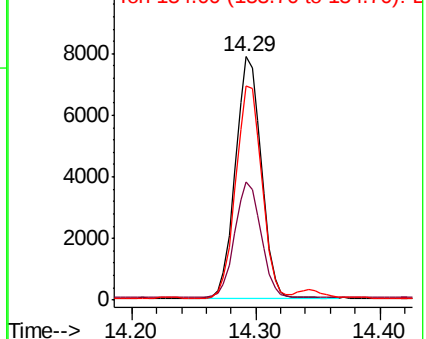
153 100

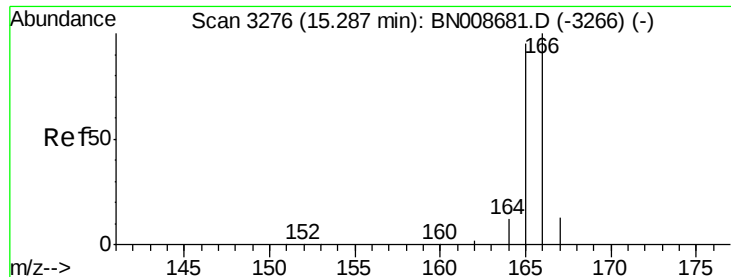
152 48.4 39.6 59.4

154 88.1 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: 0.339 ng/ul

RT: 15.28 min Scan# 3275

Delta R.T. -0.00 min

Lab File: BN008691.D

Acq: 22 Nov 2019 00:39

Instrument :

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ClientSampleId :

SSTD0.419

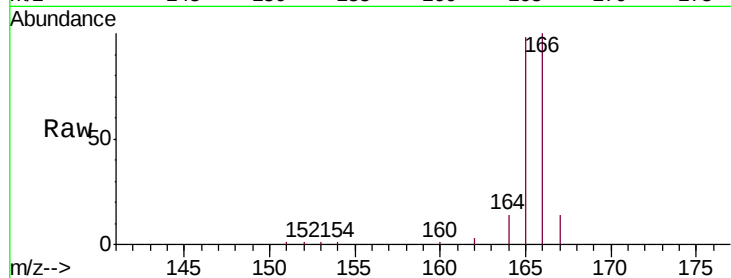
Tgt Ion:166 Resp: 12840

Ion Ratio Lower Upper

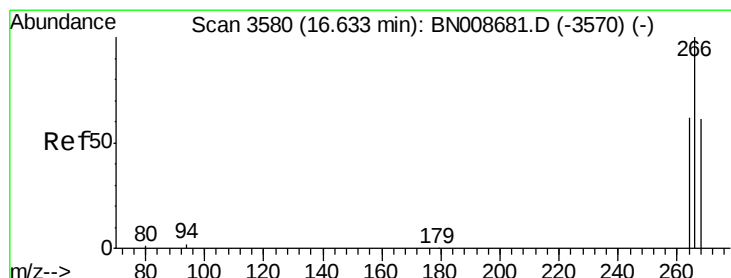
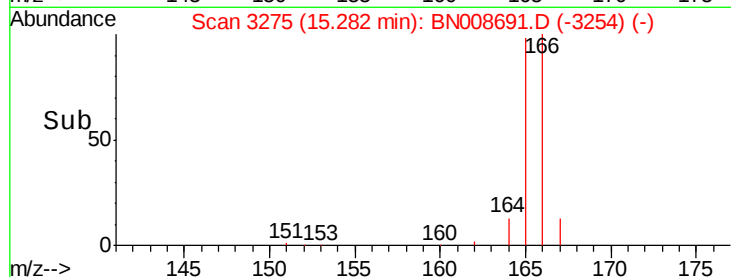
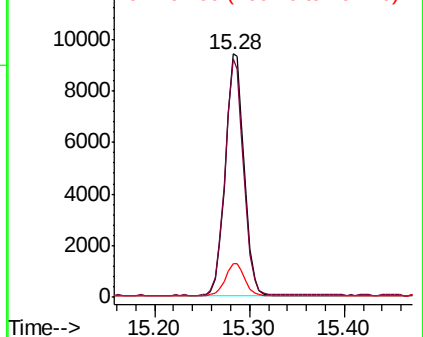
166 100

165 98.2 77.4 116.0

167 13.8 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: 0.385 ng/ul

RT: 16.63 min Scan# 3580

Delta R.T. -0.00 min

Lab File: BN008691.D

Acq: 22 Nov 2019 00:39

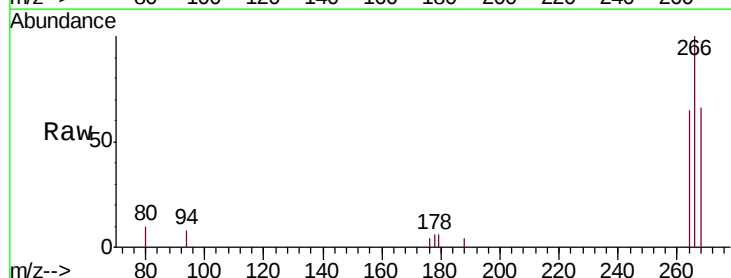
Tgt Ion:266 Resp: 2232

Ion Ratio Lower Upper

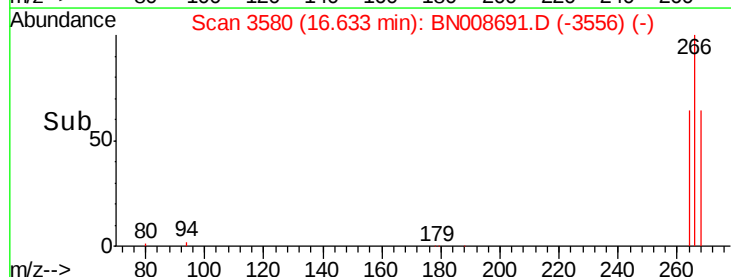
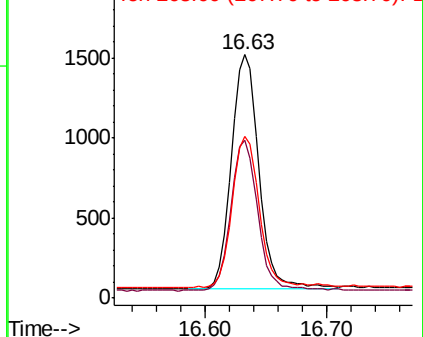
266 100

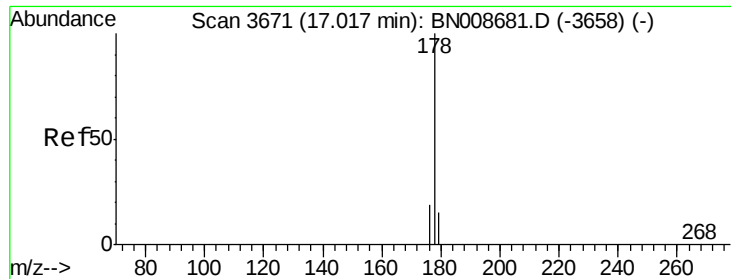
264 63.4 49.2 73.8

268 65.6 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: 0.405 ng/ul

RT: 17.02 min Scan# 3671

Delta R.T. -0.00 min

Lab File: BN008691.D

Acq: 22 Nov 2019 00:39

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ClientSampleId :

SSTD0.419

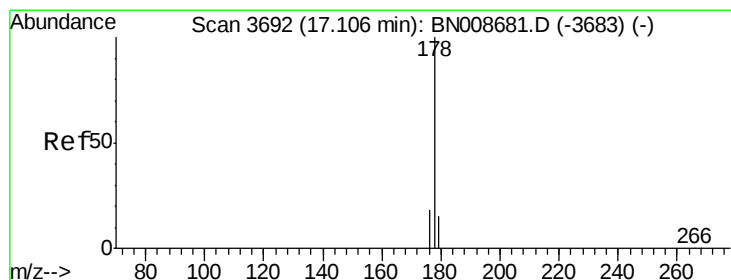
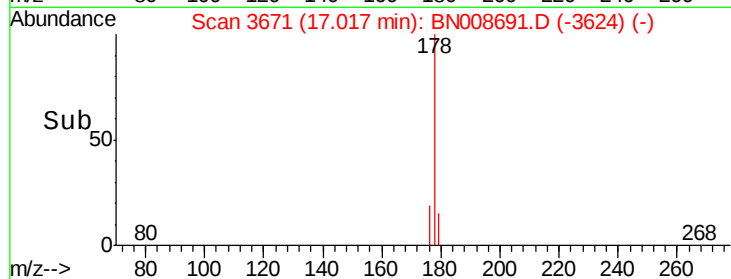
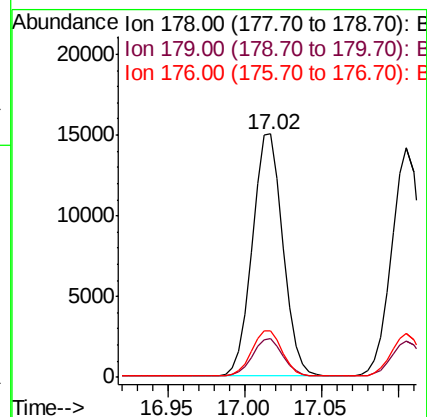
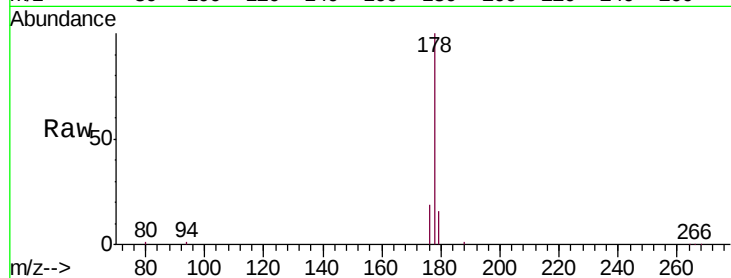
Tgt Ion:178 Resp: 20960

Ion Ratio Lower Upper

178 100

179 15.8 12.8 19.2

176 19.1 16.0 24.0



#13

Anthracene

Concen: 0.400 ng/ul

RT: 17.11 min Scan# 3692

Delta R.T. -0.00 min

Lab File: BN008691.D

Acq: 22 Nov 2019 00:39

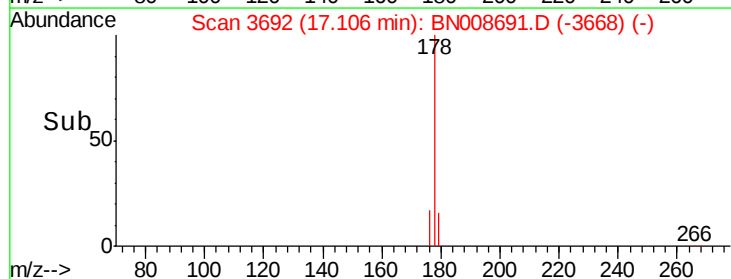
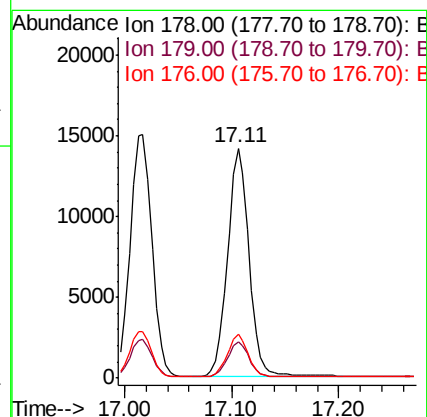
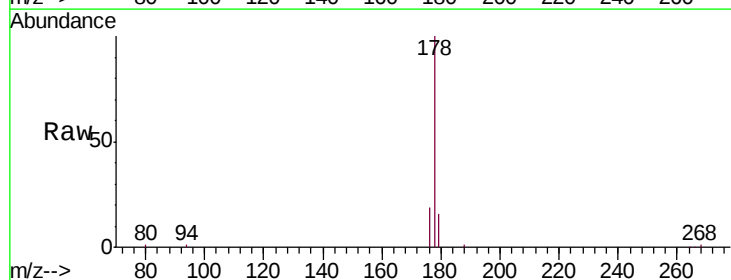
Tgt Ion:178 Resp: 19531

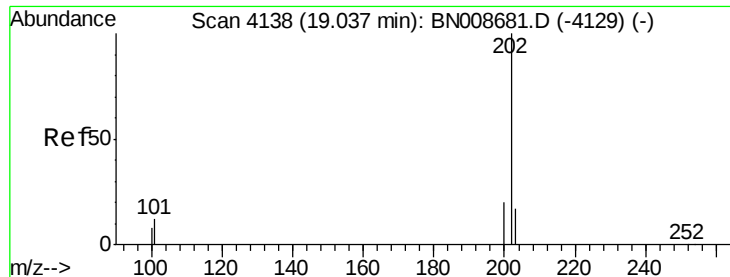
Ion Ratio Lower Upper

178 100

179 15.9 13.0 19.4

176 19.0 15.3 22.9

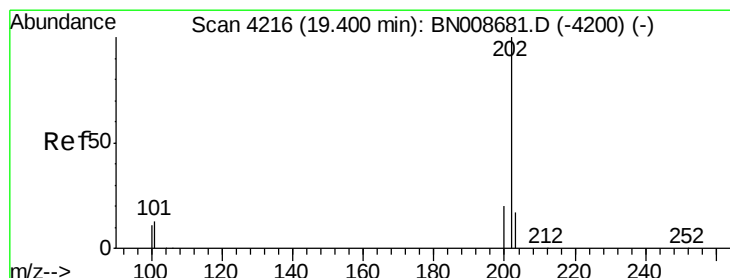
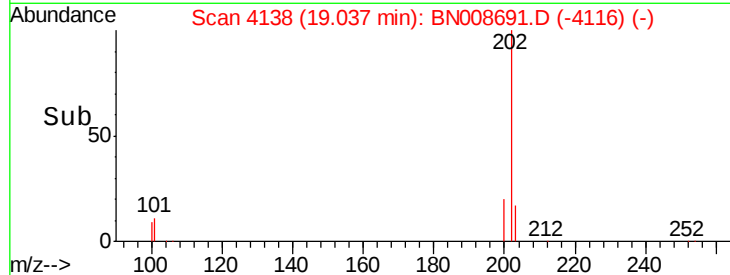
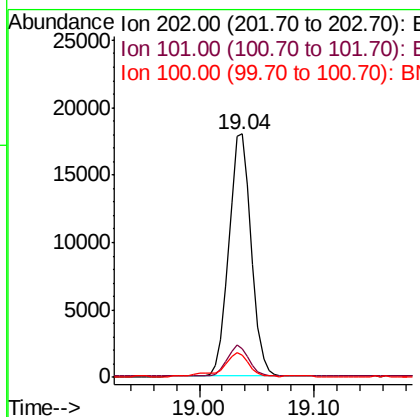
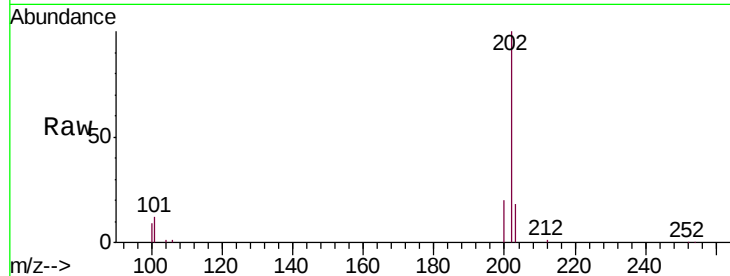




#15
Fluoranthene
 Concen: 0.383 ng/ul
 RT: 19.04 min Scan# 4138
 Delta R.T. -0.00 min
 Lab File: BN008691.D
 Acq: 22 Nov 2019 00:39

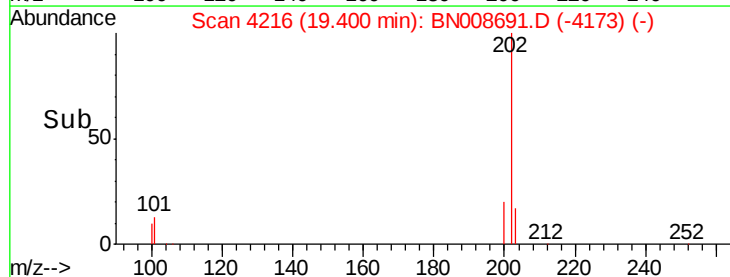
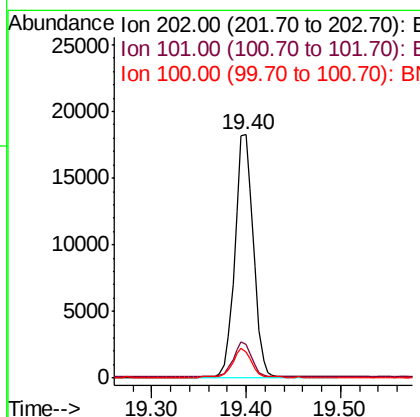
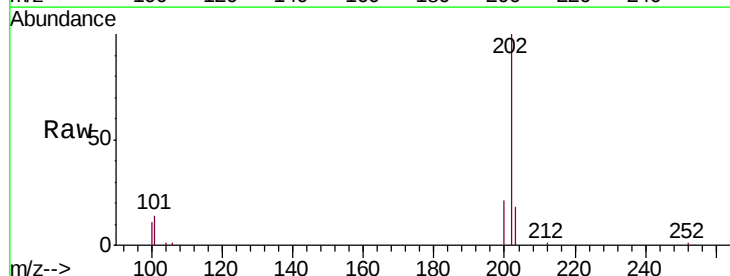
Instrument :
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 SST0.419

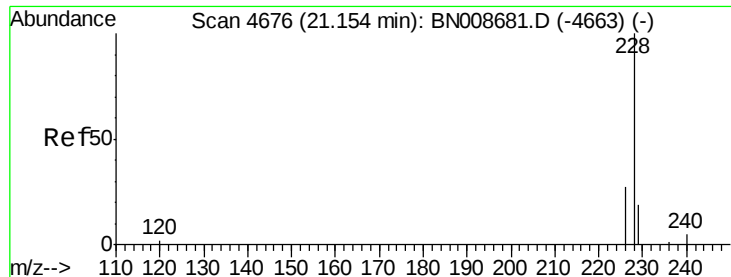
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	29.6
100	8.9	0.0	27.0



#17
Pyrene
 Concen: 0.460 ng/ul
 RT: 19.40 min Scan# 4216
 Delta R.T. -0.00 min
 Lab File: BN008691.D
 Acq: 22 Nov 2019 00:39

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.9	10.2	15.2
100	10.7	8.2	12.2





#18

Benzo(a)anthracene

Concen: 0.439 ng/ul

RT: 21.15 min Scan# 4676

Delta R.T. -0.00 min

Lab File: BN008691.D

Acq: 22 Nov 2019 00:39

Instrument :

BNA_N

ClientSampleId :

SSTD0.419

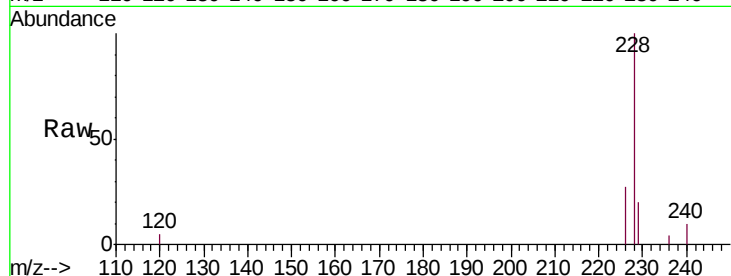
Tgt Ion:228 Resp: 23663

Ion Ratio Lower Upper

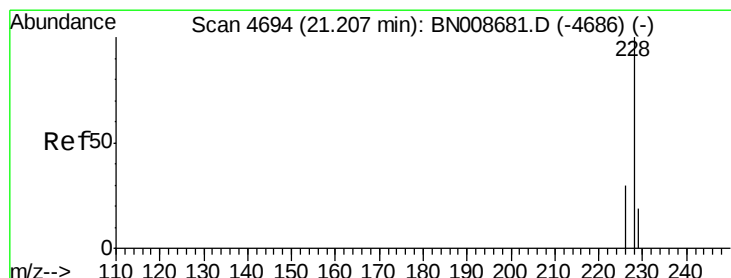
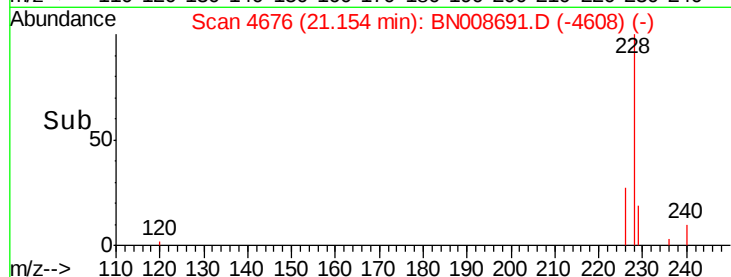
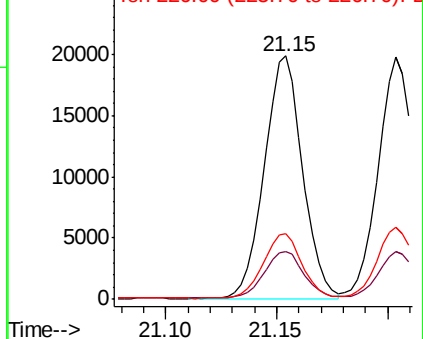
228 100

229 19.8 15.8 23.6

226 27.0 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: 0.436 ng/ul

RT: 21.20 min Scan# 4693

Delta R.T. -0.00 min

Lab File: BN008691.D

Acq: 22 Nov 2019 00:39

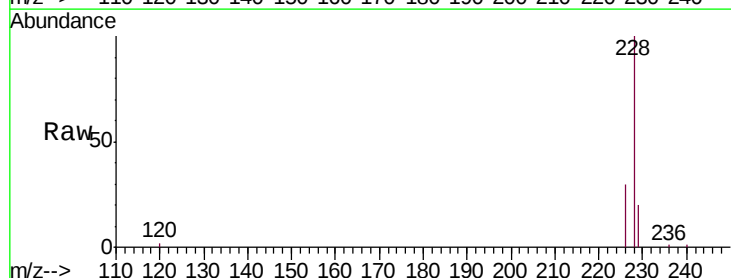
Tgt Ion:228 Resp: 23055

Ion Ratio Lower Upper

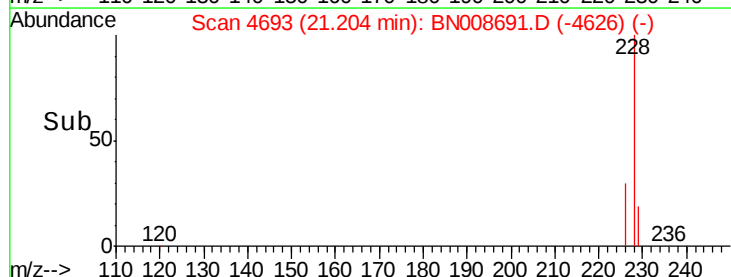
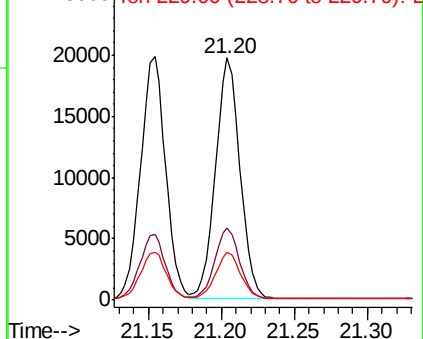
228 100

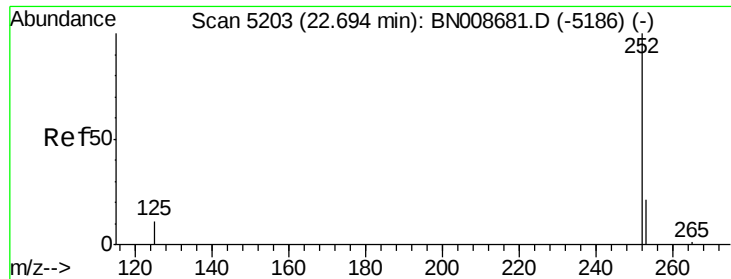
226 30.0 24.5 36.7

229 19.9 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: 0.414 ng/ul

RT: 22.69 min Scan# 5202

Delta R.T. -0.00 min

Lab File: BN008691.D

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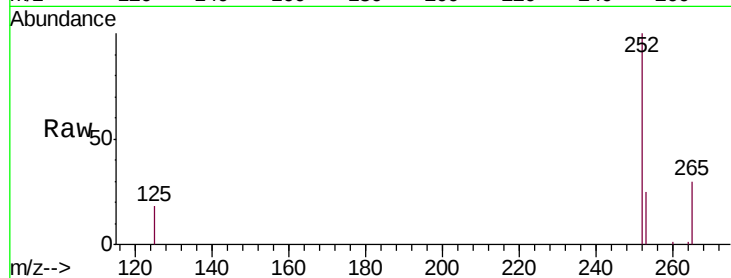
Tgt Ion:252 Resp: 23281

Ion Ratio Lower Upper

252 100

253 25.5 0.0 50.2

125 18.0 0.0 30.0

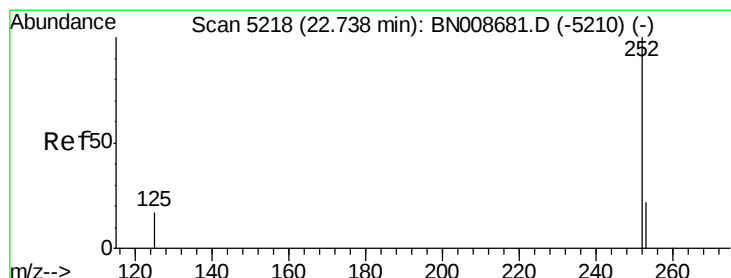
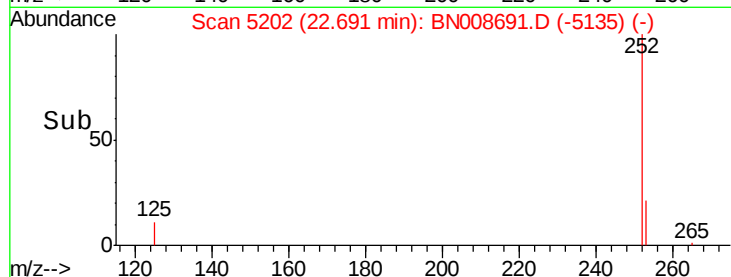
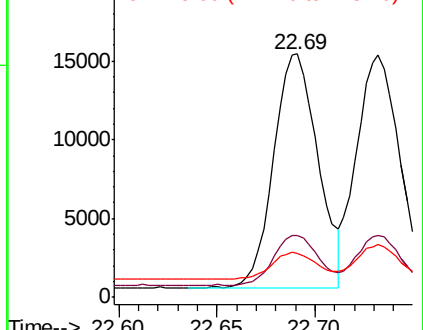


Abundance

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: 0.407 ng/ul

RT: 22.73 min Scan# 5216

Delta R.T. -0.01 min

Lab File: BN008691.D

Acq: 22 Nov 2019 00:39

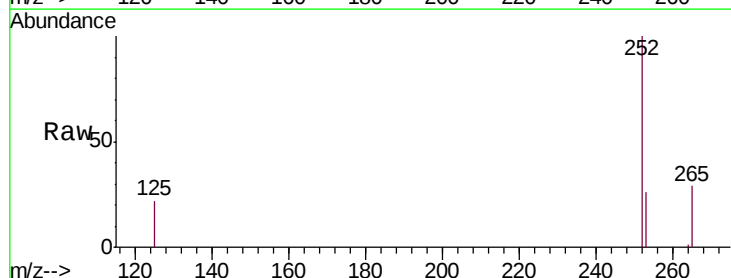
Tgt Ion:252 Resp: 22698

Ion Ratio Lower Upper

252 100

253 25.6 20.5 30.7

125 21.6 15.0 22.4

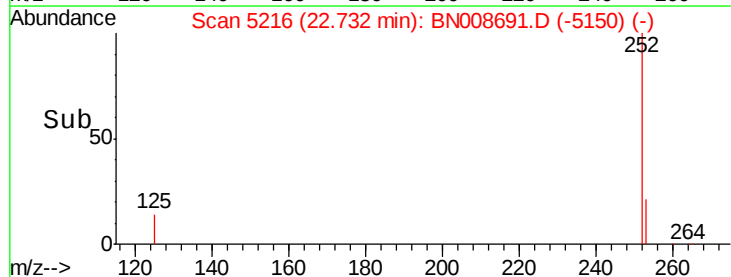
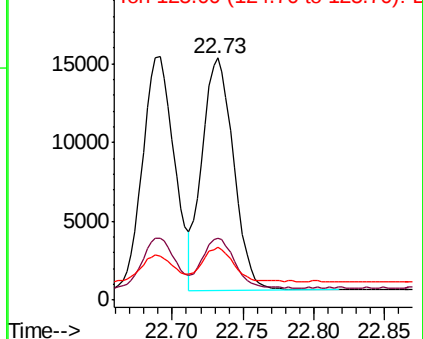


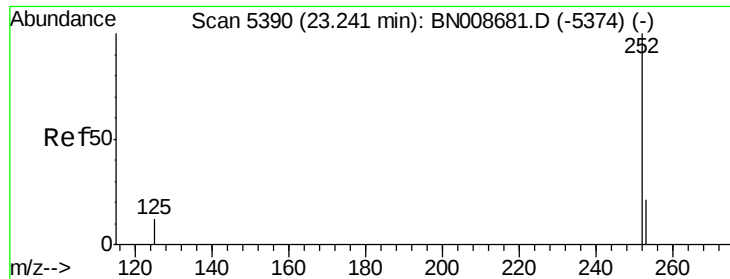
Abundance

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: 0.409 ng/u1

RT: 23.23 min Scan# 5388

Delta R.T. -0.01 min

Lab File: BN008691.D

Acq: 22 Nov 2019 00:39

Instrument :

BNA_N

ClientSampleId :

SSTD0.419

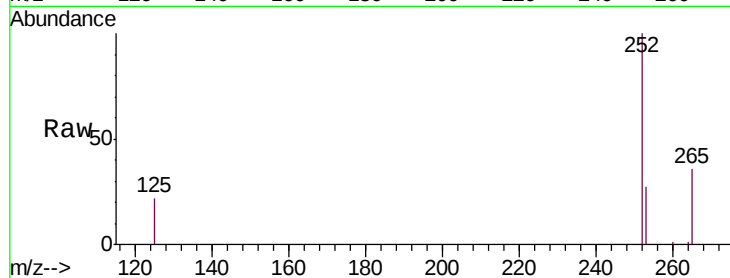
Tgt Ion:252 Resp: 21593

Ion Ratio Lower Upper

252 100

253 26.9 21.4 32.2

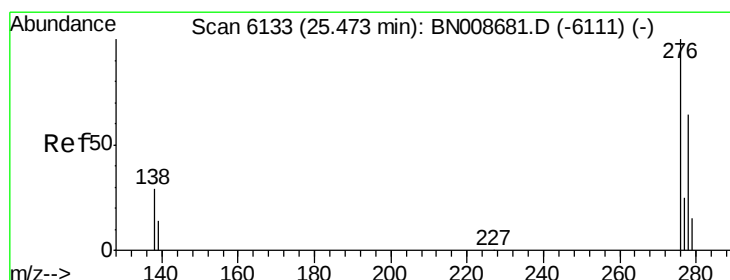
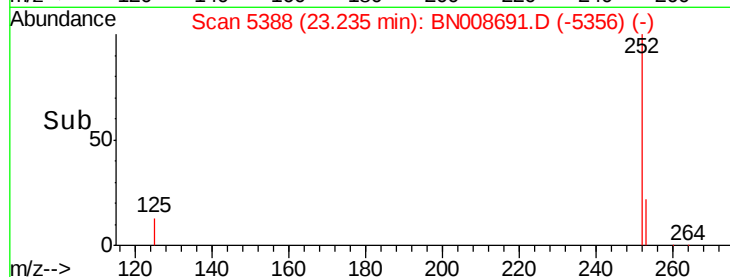
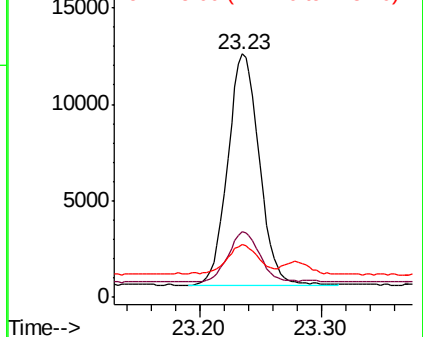
125 21.7 13.8 20.8#



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: 0.406 ng/u1

RT: 25.47 min Scan# 6131

Delta R.T. -0.01 min

Lab File: BN008691.D

Acq: 22 Nov 2019 00:39

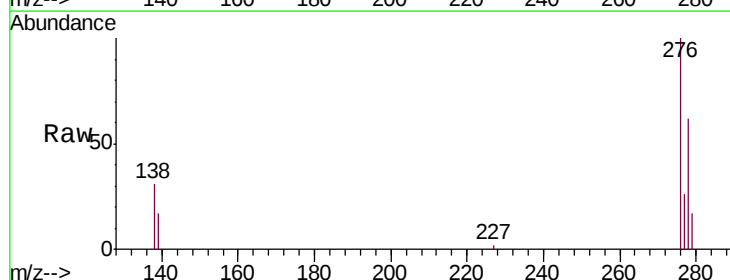
Tgt Ion:276 Resp: 25050

Ion Ratio Lower Upper

276 100

138 30.9 21.7 32.5

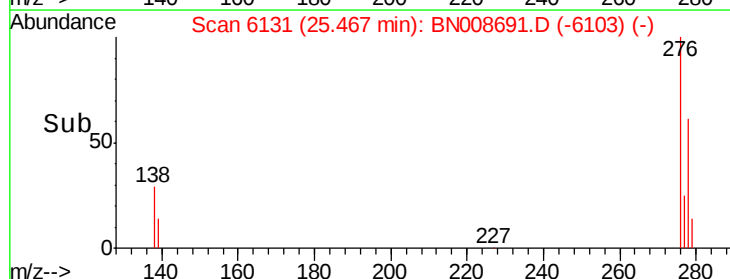
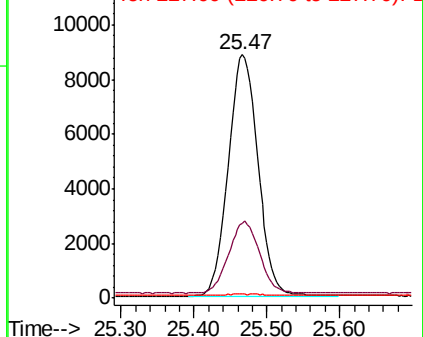
227 0.2 0.2 0.2

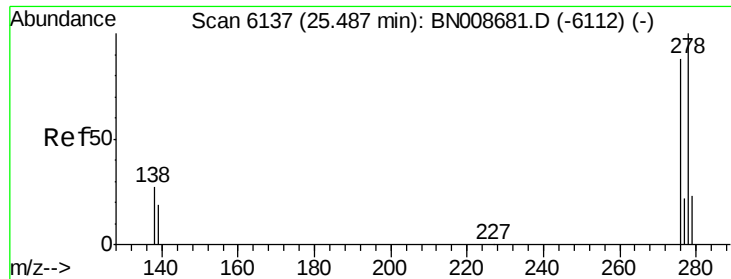


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

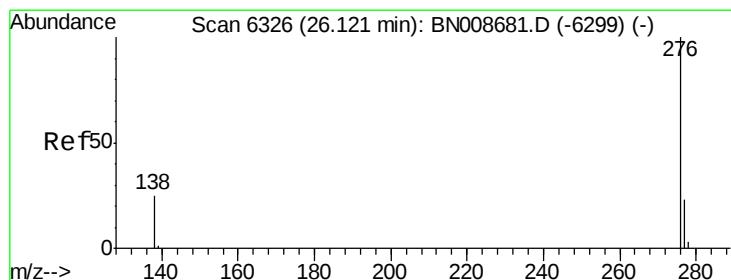
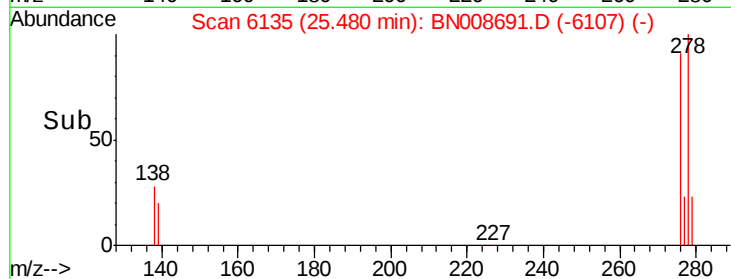
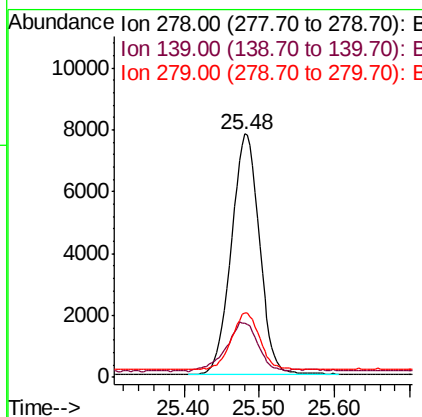
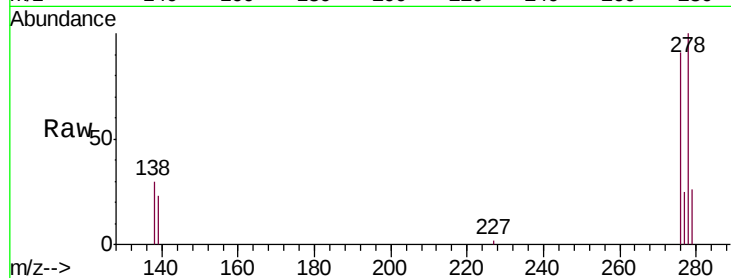




#25
Dibenzo(a,h)anthracene
Concen: 0.404 ng/ul
RT: 25.48 min Scan# 6135
Delta R.T. -0.01 min
Lab File: BN008691.D
Acq: 22 Nov 2019 00:39

Instrument :
BNA_N
ClientSampleId :
SSTD0.419

Tgt Ion: 278 Resp: 20157
Ion Ratio Lower Upper
278 100
139 22.5 18.7 28.1
279 26.2 20.8 31.2



#26
Benzo(g,h,i)perylene
Concen: 0.412 ng/ul
RT: 26.11 min Scan# 6323
Delta R.T. -0.01 min
Lab File: BN008691.D
Acq: 22 Nov 2019 00:39

Tgt Ion: 276 Resp: 21293
Ion Ratio Lower Upper
276 100
138 27.5 20.0 30.0
277 25.1 20.0 30.0

