

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121119\
 Data File : BN008930.D
 Acq On : 11 Dec 2019 22:56
 Operator : JU
 Sample : K6088-15
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 12 00:23:05 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 : Wed Dec 11 10:35:08 2019
 Response via : Initial Calibration

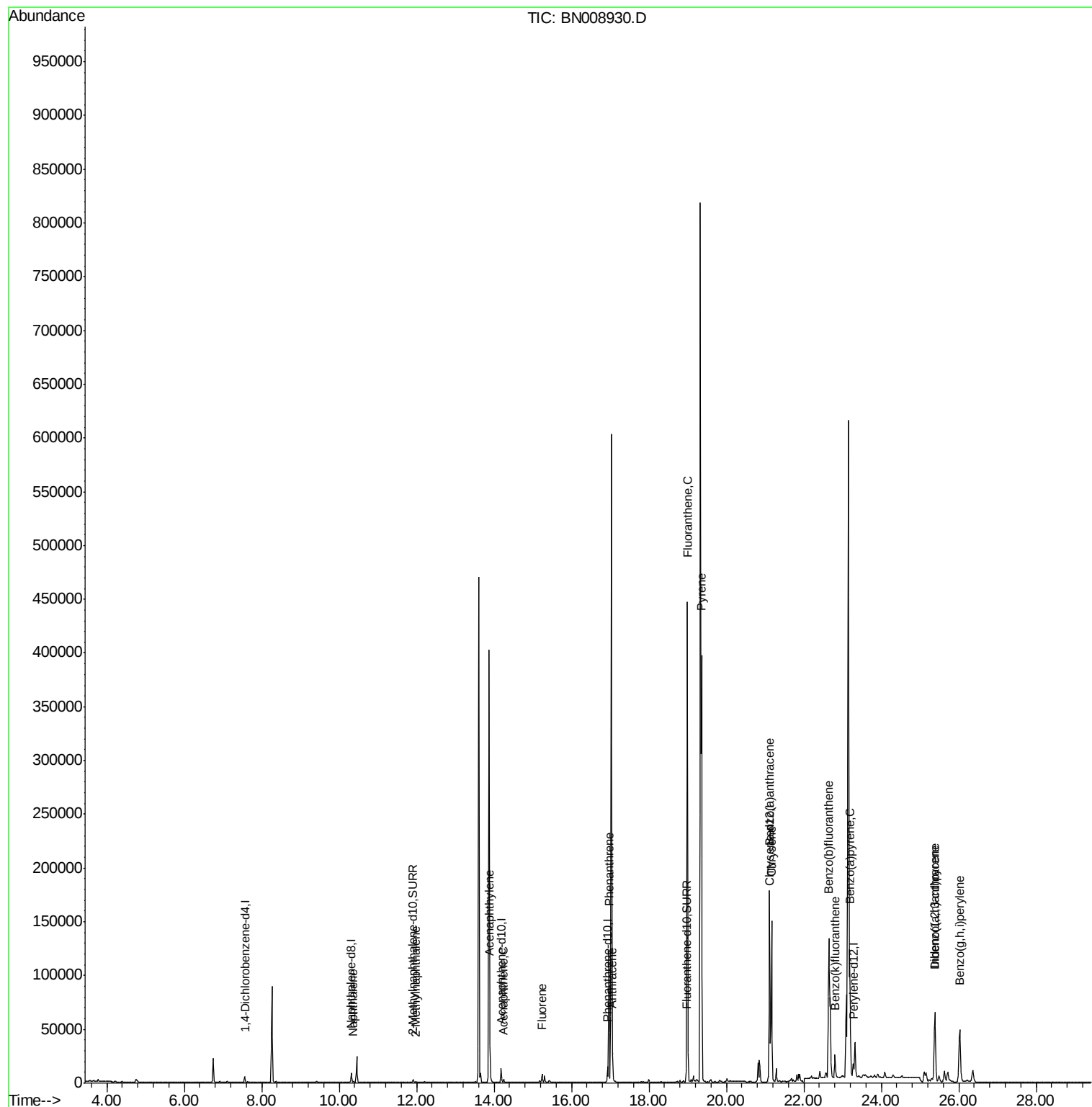
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	2523	0.40	ng/ul	0.00
2) Naphthalene-d8	10.31	136	10879	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.19	164	7036	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.93	188	16277	0.40	ng/ul	0.00
16) Chrysene-d12	21.13	240	14471	0.40	ng/ul	0.00
20) Perylene-d12	23.28	264	15709	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.91	152	3116	0.17	ng/ul	0.00
14) Fluoranthene-d10	18.96	212	9791	0.20	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.36	128	1687	0.051	ng/ul#	90
5) 2-Methylnaphthalene	11.98	142	498	0.022	ng/ul	100
7) Acenaphthylene	13.90	152	15179	0.390	ng/ul	99
8) Acenaphthene	14.25	153	1628	0.056	ng/ul	97
9) Fluorene	15.24	166	4984	0.147	ng/ul	98
12) Phenanthrene	16.97	178	127919	2.330	ng/ul	99
13) Anthracene	17.06	178	23195	0.447	ng/ul	99
15) Fluoranthene	19.00	202	372917	5.530	ng/ul	99
17) Pyrene	19.36	202	308407	5.312	ng/ul	98
18) Benzo(a)anthracene	21.12	228	146976	2.526	ng/ul	99
19) Chrysene	21.17	228	142238	2.488	ng/ul	98
21) Benzo(b)fluoranthene	22.64	252	277643	4.286	ng/ul	95
22) Benzo(k)fluoranthene	22.81	252	24668	0.384	ng/ul	94
23) Benzo(a)pyrene	23.19	252	144096	2.370	ng/ul#	93
24) Indeno(1,2,3-cd)pyrene	25.38	276	94998	1.336	ng/ul	90
25) Dibenzo(a,h)anthracene	25.39	278	20354	0.354	ng/ul	99
26) Benzo(a,h,i)perylene	26.03	276	90437	1.520	ng/ul	96

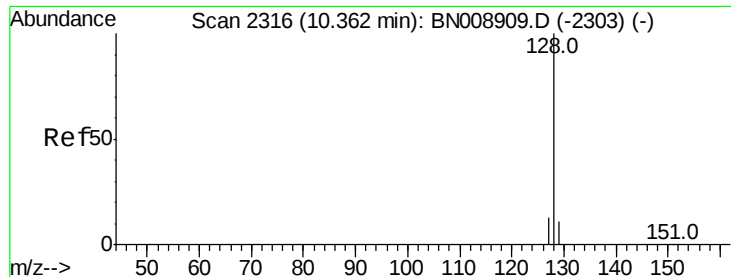
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Dec 11 10:35:08 2019
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#3

Naphthalene

Concen: 0.051 ng/ul

RT: 10.36 min Scan# 2316

Delta R.T. -0.00 min

Lab File: BN008930.D

Acq: 11 Dec 2019 22:56

Instrument :

BNA_N

ClientSampled :

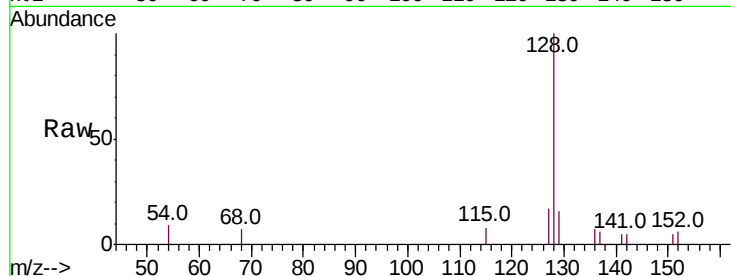
Tot Ion:128 Resp: 1687

Ion Ratio Lower Upper

128 100

129 15.8 9.1 13.7#

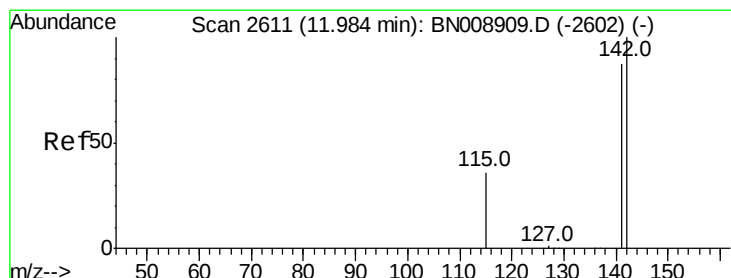
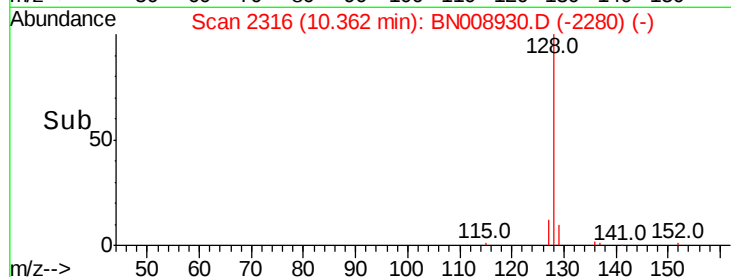
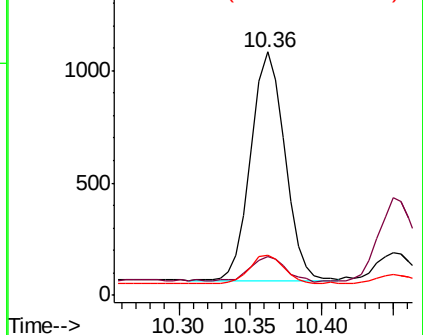
127 16.6 10.7 16.1#



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: 0.022 ng/ul

RT: 11.98 min Scan# 2611

Delta R.T. -0.00 min

Lab File: BN008930.D

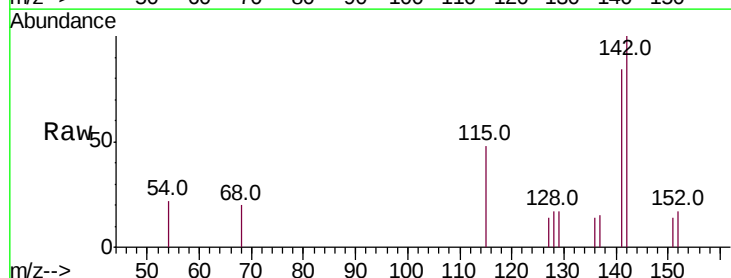
Acq: 11 Dec 2019 22:56

Tgt Ion:142 Resp: 498

Ion Ratio Lower Upper

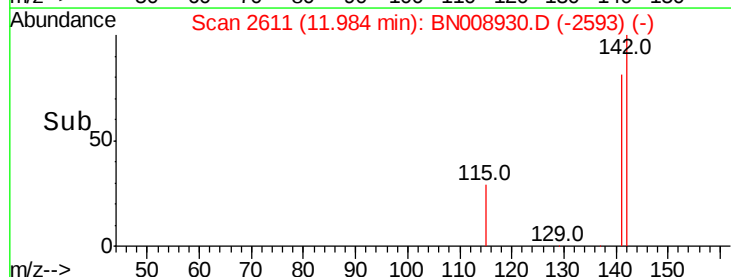
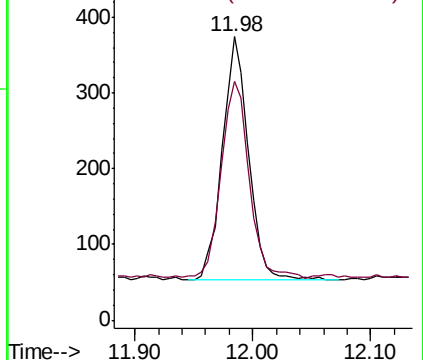
142 100

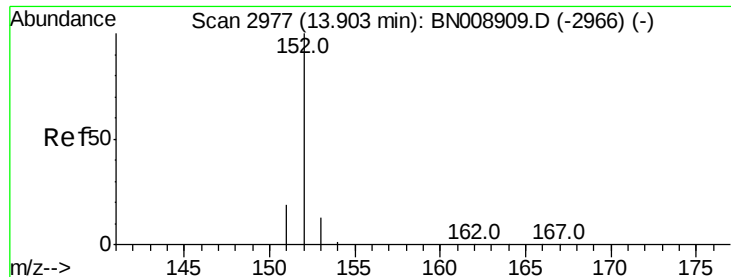
141 87.3 70.1 105.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.390 ng/ul

RT: 13.90 min Scan# 2976

Delta R.T. -0.00 min

Lab File: BN008930.D

Acq: 11 Dec 2019 22:56

Instrument :

BNA_N

ClientSampleId :

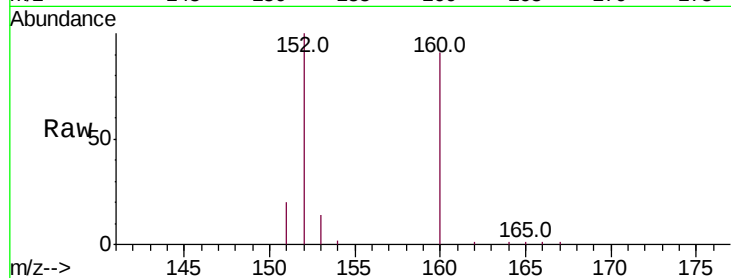
Tot Ion:152 Resp: 15179

Ion Ratio Lower Upper

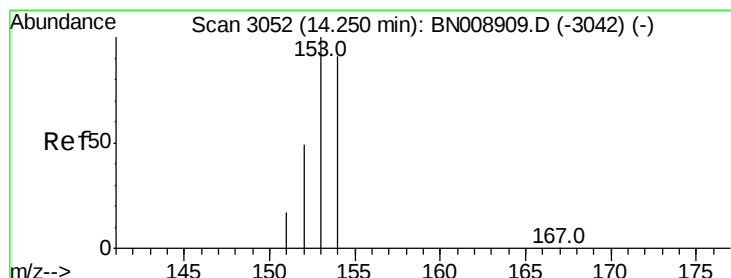
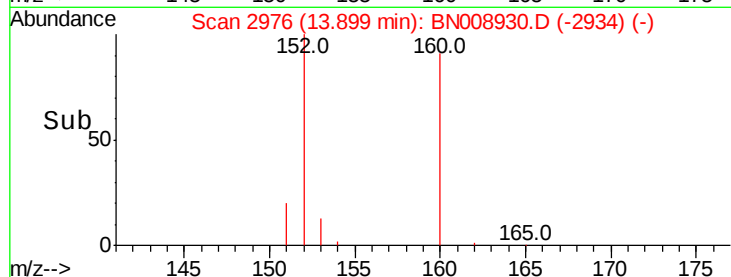
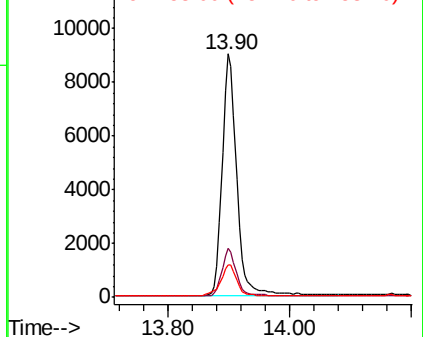
152 100

151 20.0 15.8 23.6

153 13.5 10.6 15.8



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: 0.056 ng/ul

RT: 14.25 min Scan# 3051

Delta R.T. -0.00 min

Lab File: BN008930.D

Acq: 11 Dec 2019 22:56

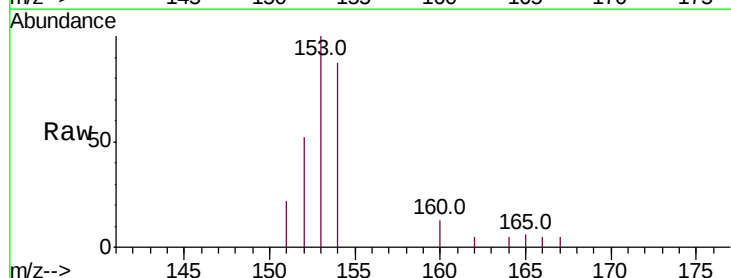
Tgt Ion:153 Resp: 1628

Ion Ratio Lower Upper

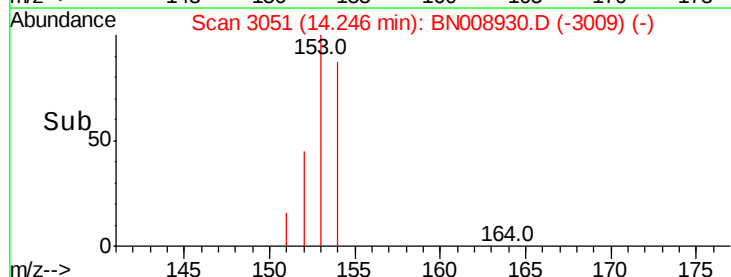
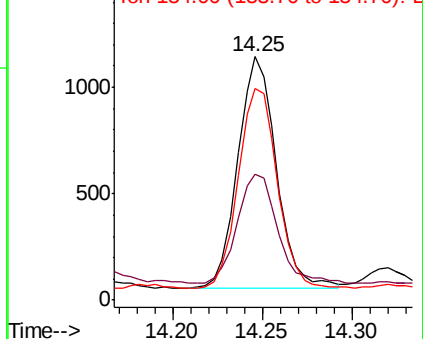
153 100

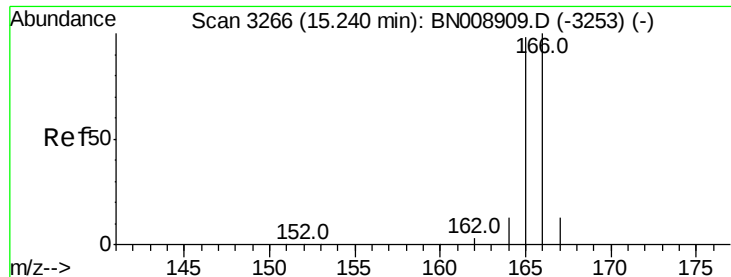
152 51.8 38.6 58.0

154 86.7 70.6 105.8



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: 0.147 ng/ul

RT: 15.24 min Scan# 3266

Delta R.T. 0.00 min

Lab File: BN008930.D

Acq: 11 Dec 2019 22:56

Instrument :

BNA_N

ClientSampleId :

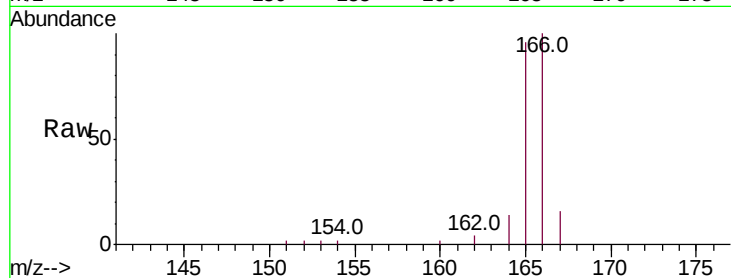
Tot Ion:166 Resp: 4984

Ion Ratio Lower Upper

166 100

165 95.8 77.7 116.5

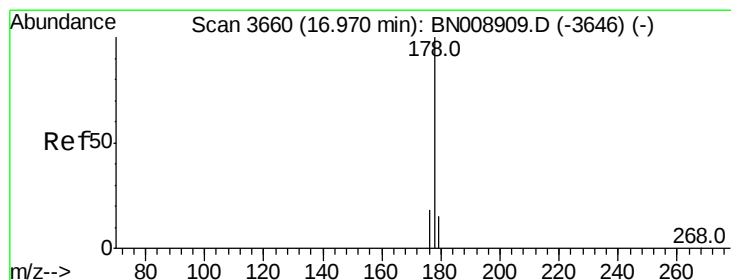
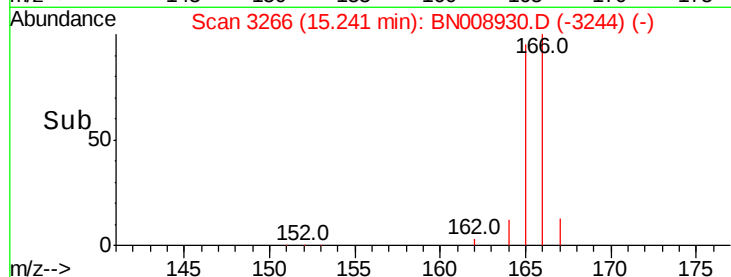
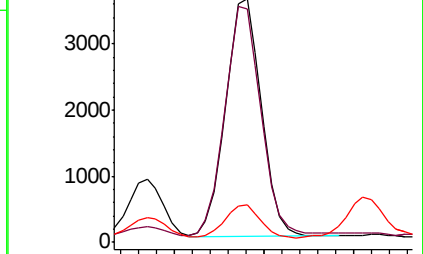
167 15.5 11.1 16.7



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



#12

Phenanthrene

Concen: 2.330 ng/ul

RT: 16.97 min Scan# 3660

Delta R.T. 0.00 min

Lab File: BN008930.D

Acq: 11 Dec 2019 22:56

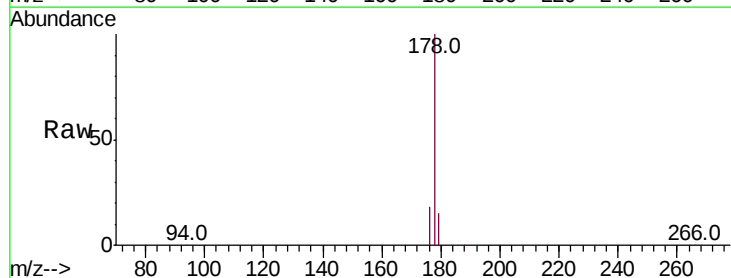
Tgt Ion:178 Resp: 127919

Ion Ratio Lower Upper

178 100

179 15.1 12.6 18.8

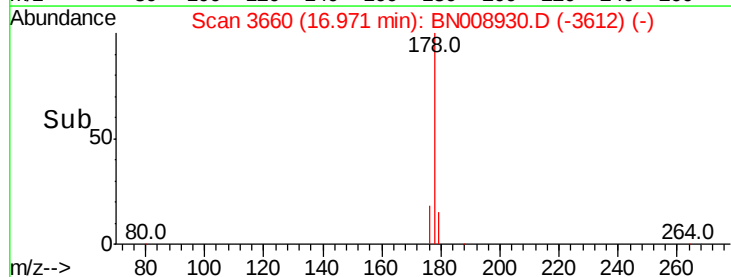
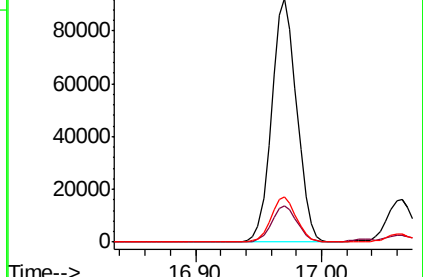
176 18.4 15.3 22.9

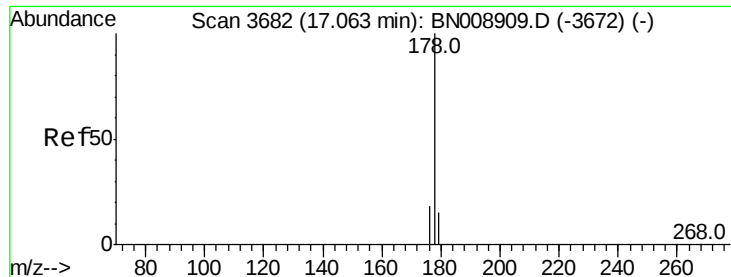


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#13

Anthracene

Concen: 0.447 ng/ul

RT: 17.06 min Scan# 3682

Delta R.T. 0.00 min

Lab File: BN008930.D

Acq: 11 Dec 2019 22:56

Instrument :

BNA_N

ClientSampleId :

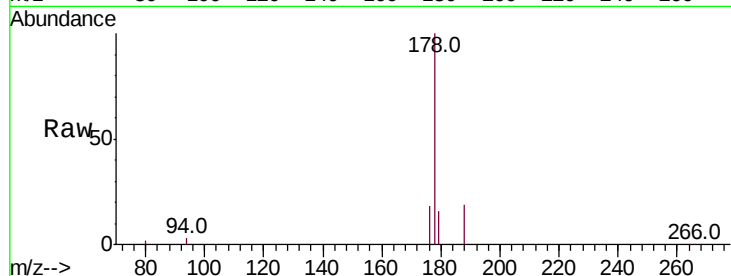
Tot Ion:178 Resp: 23195

Ion Ratio Lower Upper

178 100

179 15.8 12.2 18.4

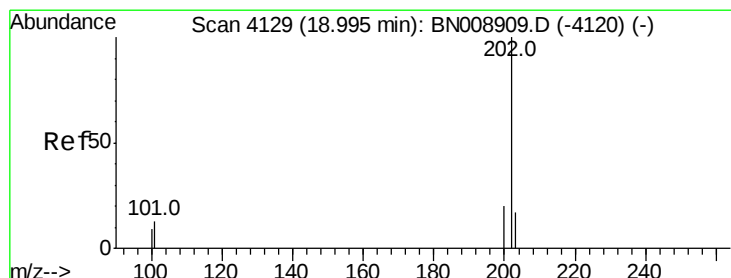
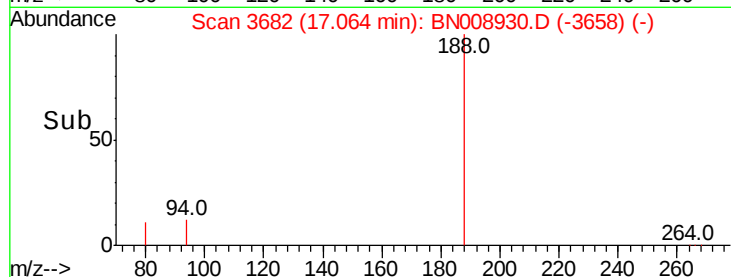
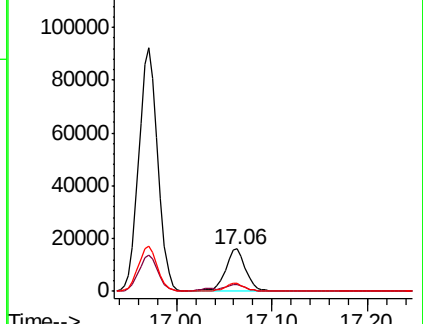
176 18.3 14.7 22.1



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: 5.530 ng/ul

RT: 19.00 min Scan# 4129

Delta R.T. 0.00 min

Lab File: BN008930.D

Acq: 11 Dec 2019 22:56

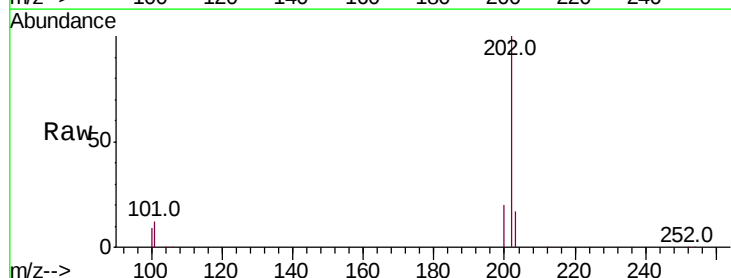
Tgt Ion:202 Resp: 372917

Ion Ratio Lower Upper

202 100

101 11.9 0.0 32.4

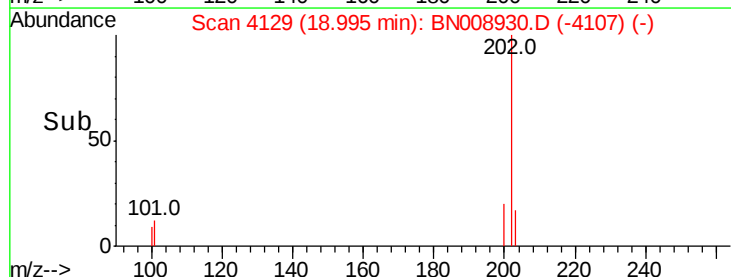
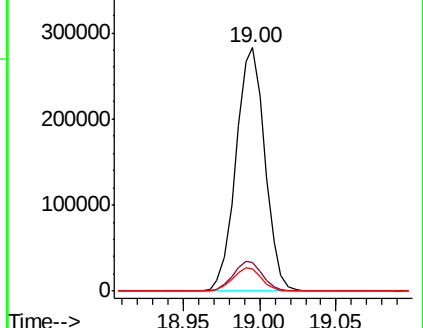
100 8.9 0.0 29.2

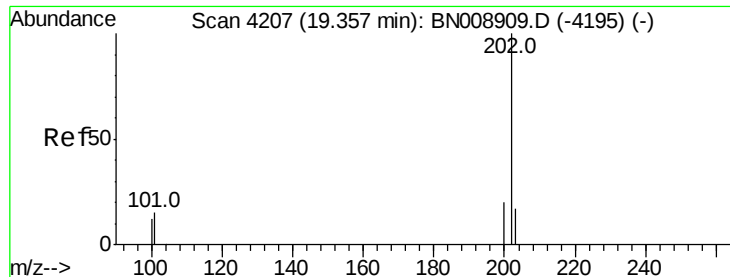


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

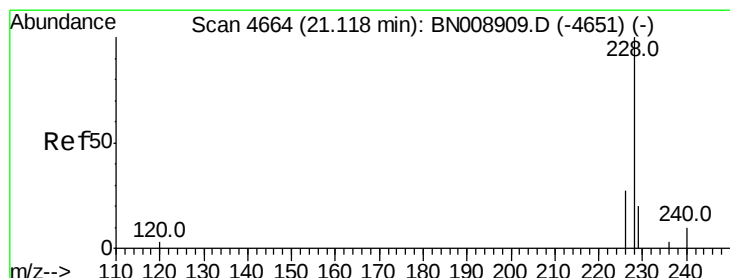
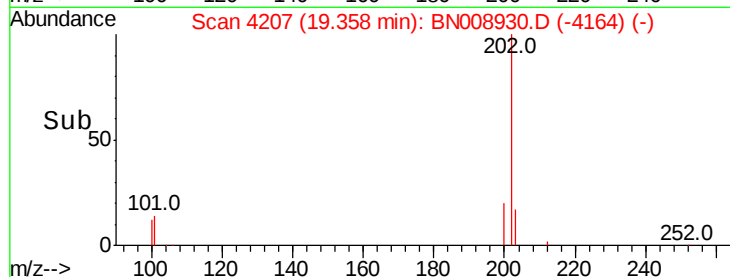
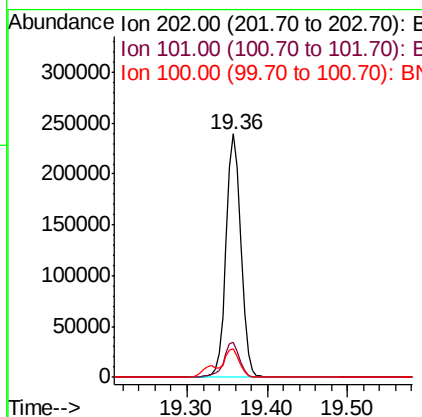
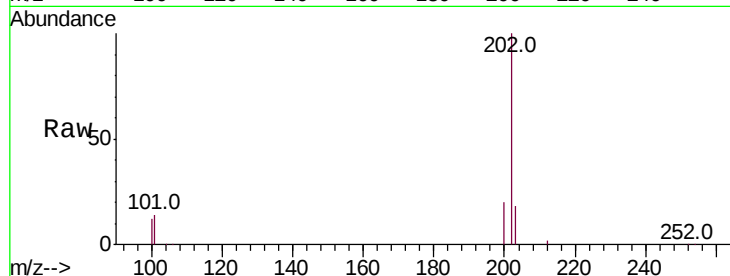




#17
Pvrene
Concen: 5.312 ng/ul
RT: 19.36 min Scan# 4207
Delta R.T. 0.00 min
Lab File: BN008930.D
Acq: 11 Dec 2019 22:56

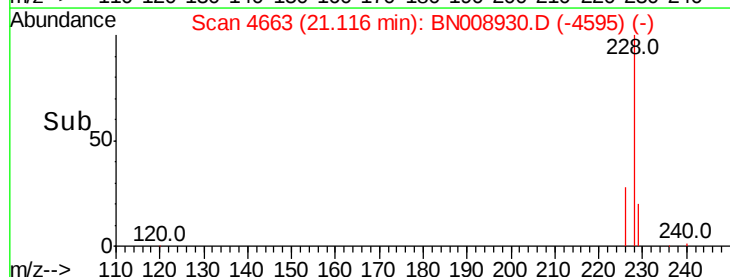
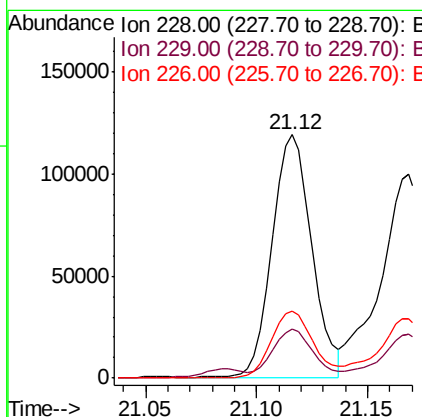
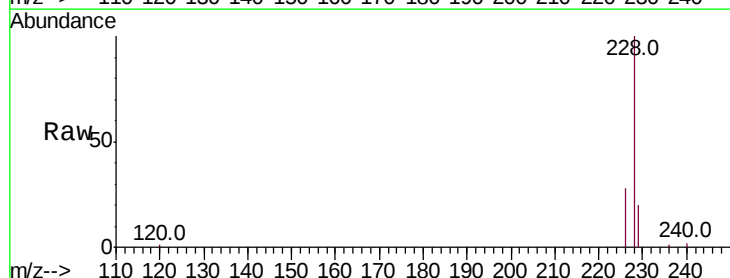
Instrument :
BNA_N
ClientSampleId :

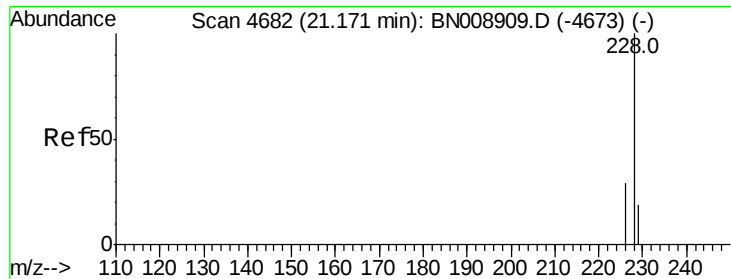
Tot Ion	Ratio	Lower	Upper
202	100		
101	14.3	12.2	18.4
100	11.5	9.5	14.3



#18
Benzo(a)anthracene
Concen: 2.526 ng/ul
RT: 21.12 min Scan# 4663
Delta R.T. -0.00 min
Lab File: BN008930.D
Acq: 11 Dec 2019 22:56

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.0	15.7	23.5
226	27.7	21.5	32.3





#19

Chrysene

Concen: 2.488 ng/ul

RT: 21.17 min Scan# 4681

Delta R.T. -0.00 min

Lab File: BN008930.D

Acq: 11 Dec 2019 22:56

Instrument :

BNA_N

ClientSampleId :

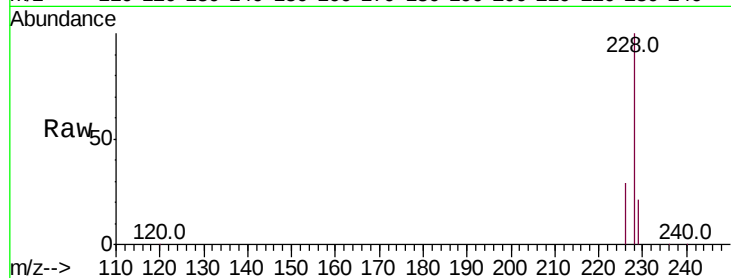
Tot Ion:228 Resp: 142238

Ion Ratio Lower Upper

228 100

226 29.0 23.8 35.6

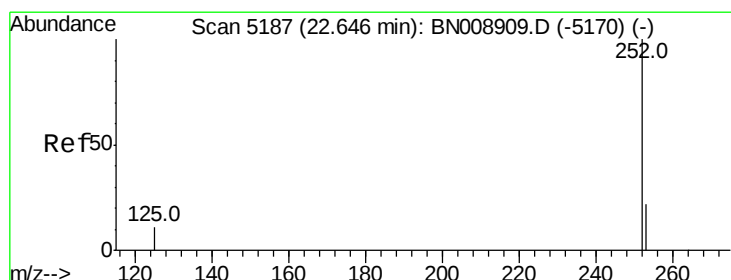
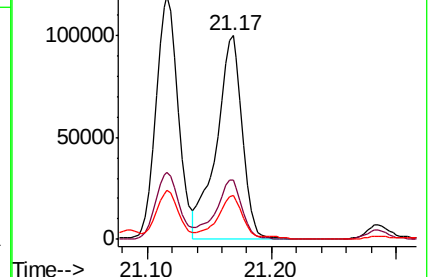
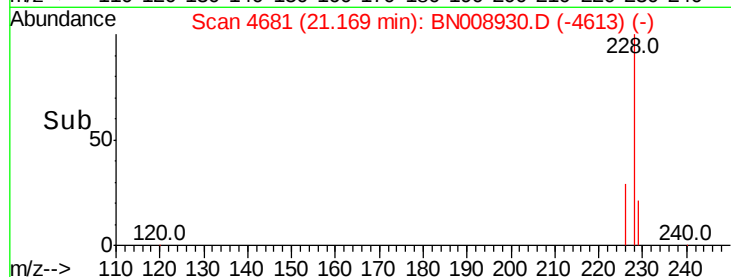
229 21.4 15.6 23.4



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: 4.286 ng/ul

RT: 22.64 min Scan# 5186

Delta R.T. -0.00 min

Lab File: BN008930.D

Acq: 11 Dec 2019 22:56

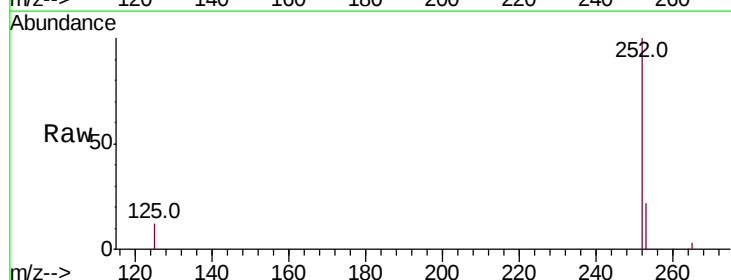
Tgt Ion:252 Resp: 277643

Ion Ratio Lower Upper

252 100

253 22.4 0.0 48.6

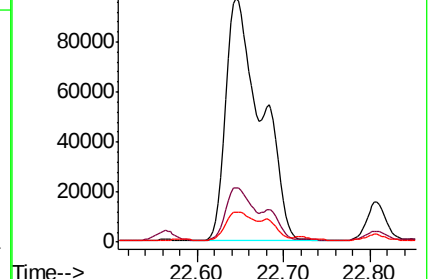
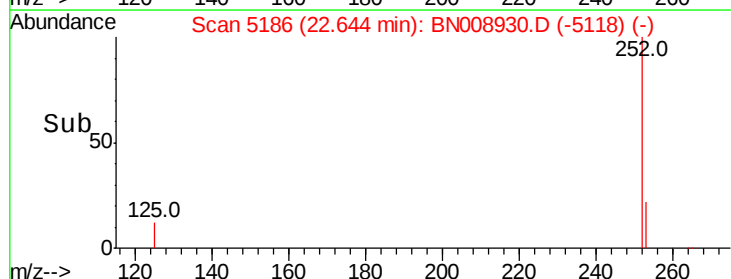
125 12.5 0.0 31.6

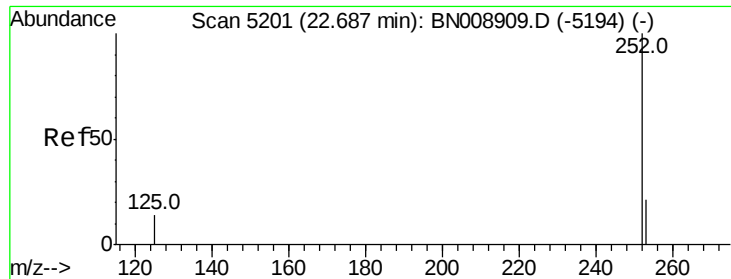


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 0.384 ng/u1

RT: 22.81 min Scan# 5242

Delta R.T. 0.12 min

Lab File: BN008930.D

Acq: 11 Dec 2019 22:56

Instrument :

BNA_N

ClientSampleId :

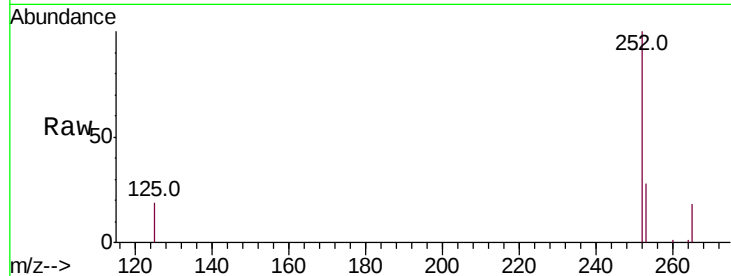
Tot Ion:252 Resp: 24668

Ion Ratio Lower Upper

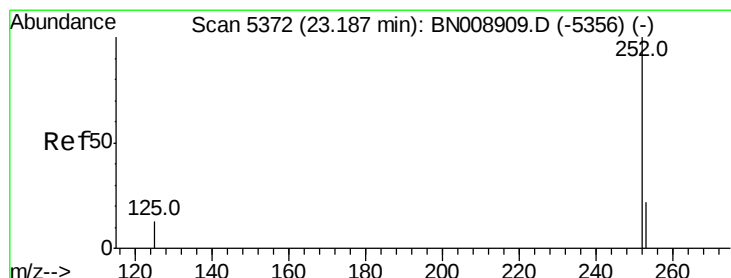
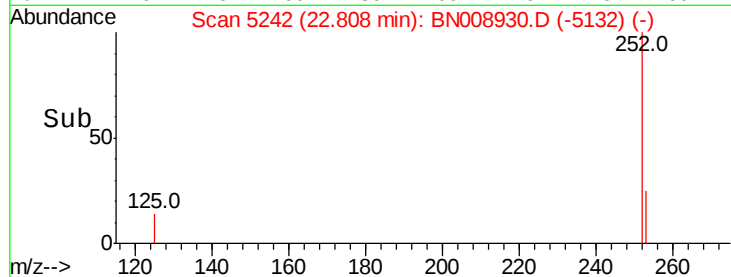
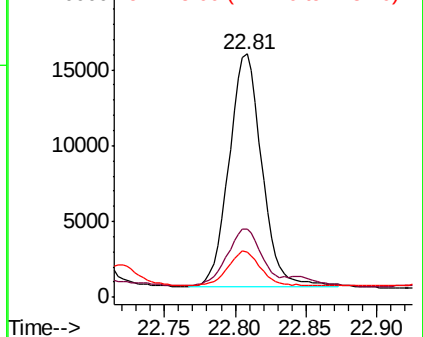
252 100

253 28.0 19.6 29.4

125 18.7 13.8 20.6



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: 2.370 ng/u1

RT: 23.19 min Scan# 5372

Delta R.T. 0.00 min

Lab File: BN008930.D

Acq: 11 Dec 2019 22:56

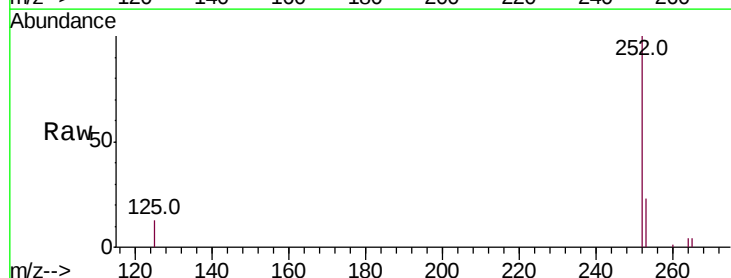
Tgt Ion:252 Resp: 144096

Ion Ratio Lower Upper

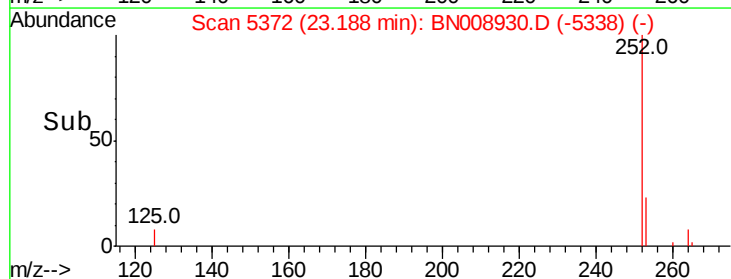
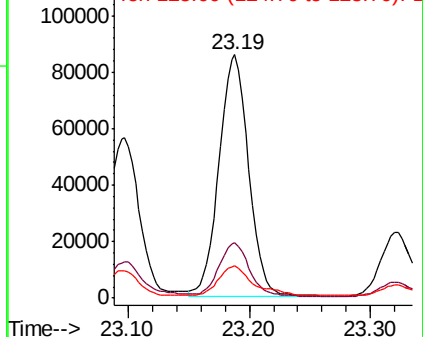
252 100

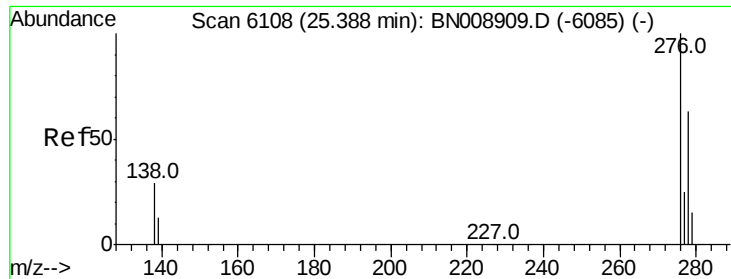
253 22.7 19.9 29.9

125 13.2 14.6 22.0#



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

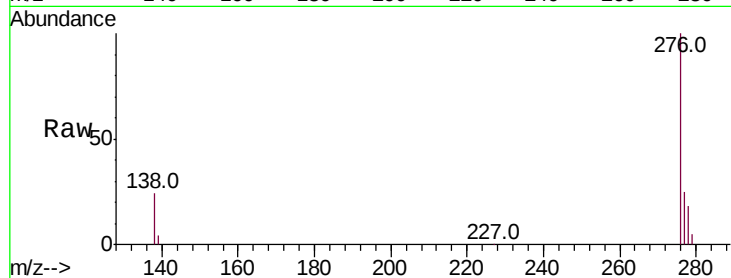




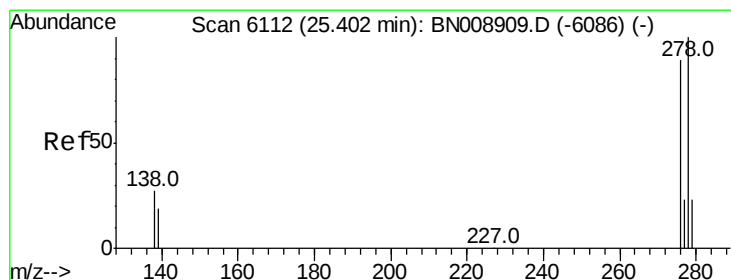
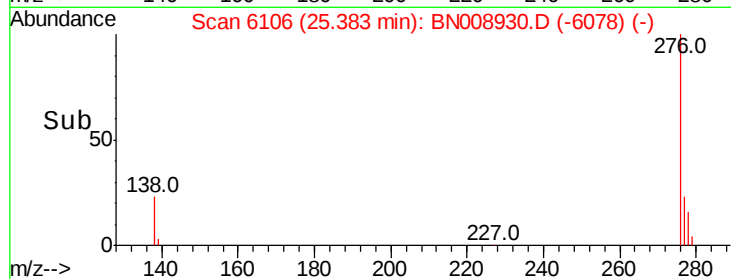
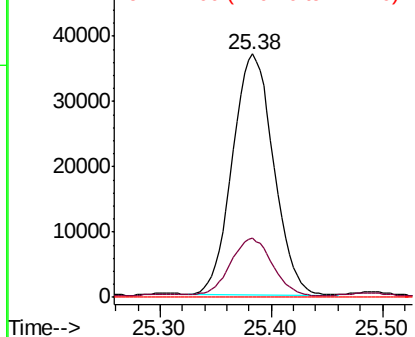
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 1.336 ng/ul
 RT: 25.38 min Scan# 6106
 Delta R.T. -0.01 min
 Lab File: BN008930.D
 Acq: 11 Dec 2019 22:56

Instrument :
 BNA_N
 ClientSampled :

Tot Ion:276 Resp: 94998
 Ion Ratio Lower Upper
 276 100
 138 24.2 23.8 35.6
 227 0.2 0.2 0.2

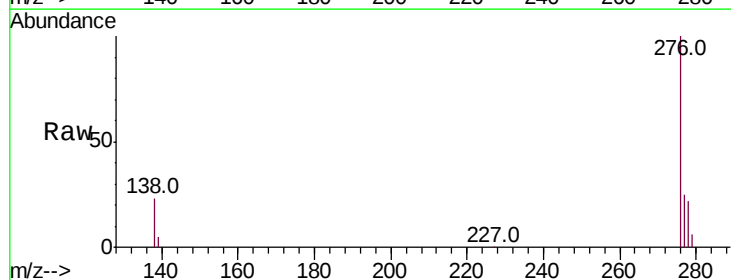


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 227.00 (226.70 to 227.70): E

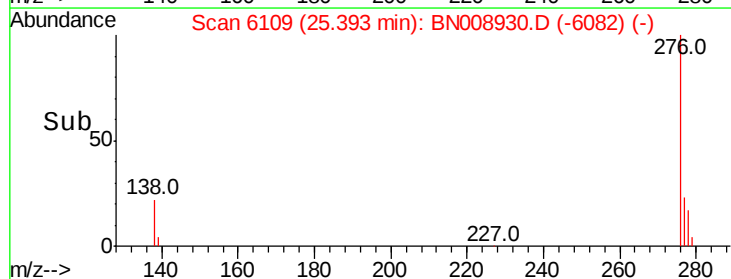
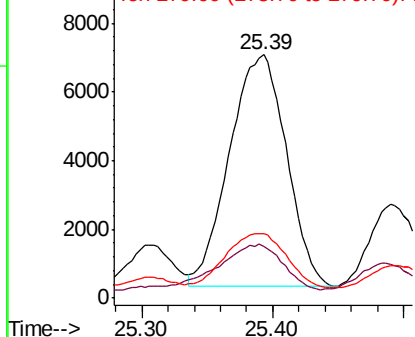


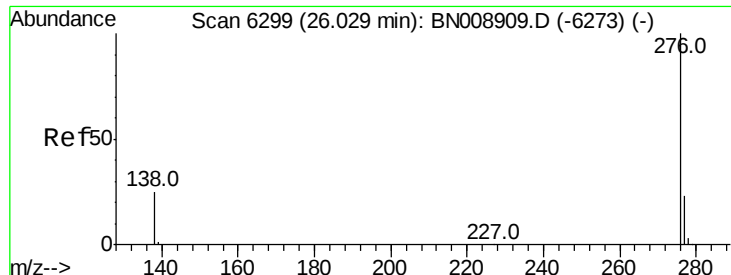
#25
 Dibenzo(a,h)anthracene
 Concen: 0.354 ng/ul
 RT: 25.39 min Scan# 6109
 Delta R.T. -0.01 min
 Lab File: BN008930.D
 Acq: 11 Dec 2019 22:56

Tgt Ion:278 Resp: 20354
 Ion Ratio Lower Upper
 278 100
 139 21.0 17.4 26.0
 279 26.2 20.5 30.7



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(a,h,i)perylene

Concen: 1.520 ng/ul

RT: 26.03 min Scan# 6298

Delta R.T. -0.00 min

Lab File: BN008930.D

Acq: 11 Dec 2019 22:56

Instrument :

BNA_N

ClientSampleId :

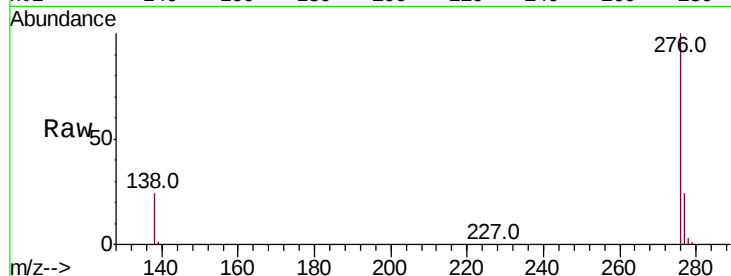
Tot Ion:276 Resp: 90437

Ion Ratio Lower Upper

276 100

138 24.3 21.9 32.9

277 24.1 19.9 29.9



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

