

Data Path : Z:\HPCHEM1\BNA N\DATA\BN031318\
 Data File : BN000362.D
 Acq On : 13 Mar 2018 22:45
 Operator : JU/SJ
 Sample : J1843-12DL 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DAM69DL

Quant Time: Mar 14 08:15:25 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN030918MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Mar 14 08:11:44 2018
 Response via : Initial Calibration

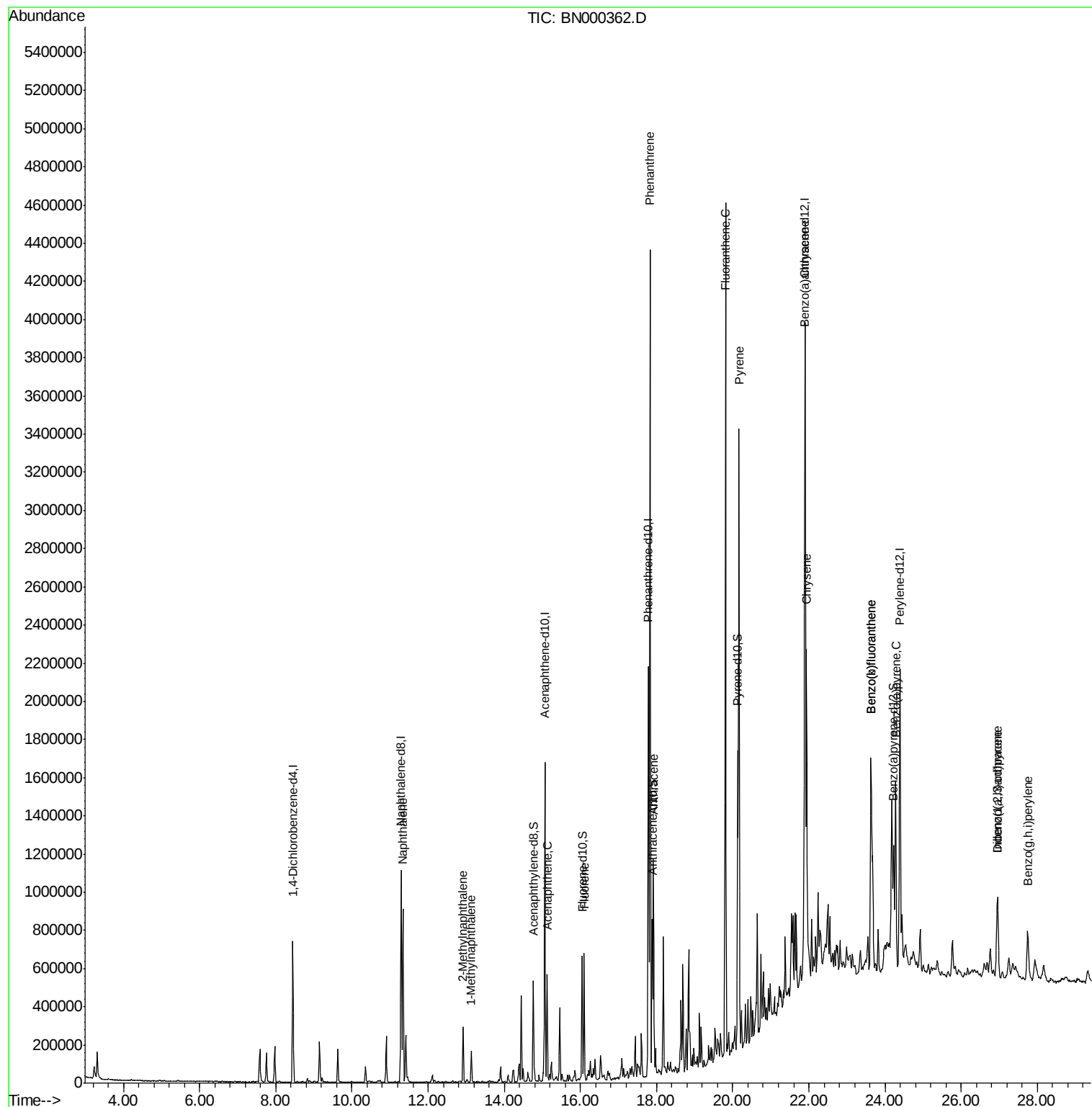
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.45	152	196738	20.00	ng/ul	0.00
2) Naphthalene-d8	11.29	136	933435	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.06	164	528708	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.79	188	1196422	20.00	ng/ul	0.00
17) Chrysene-d12	21.90	240	1195029	20.00	ng/ul	0.00
22) Perylene-d12	24.39	264	1146693	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	14.76	160	356298	6.79	ng/ul	0.00
10) Fluorene-d10	16.05	176	244792	6.89	ng/ul	0.00
14) Anthracene-d10	17.89	188	392642	7.02	ng/ul	0.00
18) Pyrene-d10	20.13	212	442327	7.57	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.23	264	364435	6.96	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	11.34	128	771496	15.662	ng/ul	100
4) 2-Methylnaphthalene	12.92	142	136460	3.936	ng/ul	97
5) 1-Methylnaphthalene	13.13	142	74299	2.135	ng/ul	89
9) Acenaphthene	15.13	153	212263	5.783	ng/ul	96
11) Fluorene	16.10	166	281701	6.959	ng/ul	94
13) Phenanthrene	17.83	178	2427306	35.376	ng/ul	99
15) Anthracene	17.92	178	664205	9.540	ng/ul	99
16) Fluoranthene	19.81	202	2571606	34.688	ng/ul#	94
19) Pyrene	20.17	202	1939229	25.703	ng/ul#	91
20) Benzo(a)anthracene	21.89	228	976294	13.141	ng/ul	97
21) Chrysene	21.94	228	792938	11.247	ng/ul	96
23) Benzo(b)fluoranthene	23.63	252	1049086	15.342	ng/ul#	96
24) Benzo(k)fluoranthene	23.63	252	1349210	21.080	ng/ul#	96
26) Benzo(a)pyrene	24.28	252	673035	10.342	ng/ul#	93
27) Indeno(1,2,3-cd)pyrene	26.96	276	400974	5.714	ng/ul#	88
28) Dibenzo(a,h)anthracene	26.95	278	110035	1.913	ng/ul#	78
29) Benzo(g,h,i)perylene	27.74	276	309864	5.289	ng/ul#	89

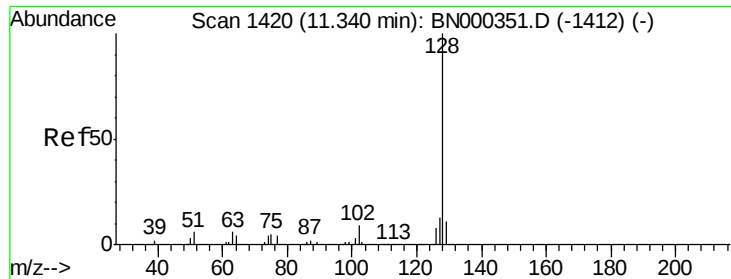
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 15.662 ng/ul

RT: 11.34 min Scan# 1420

Delta R.T. -0.00 min

Lab File: BN000362.D

Acq: 13 Mar 2018 22:45

Instrument :

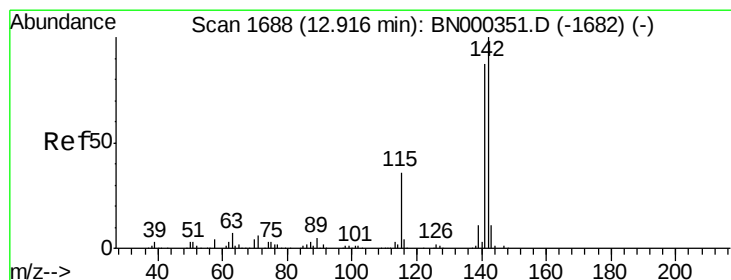
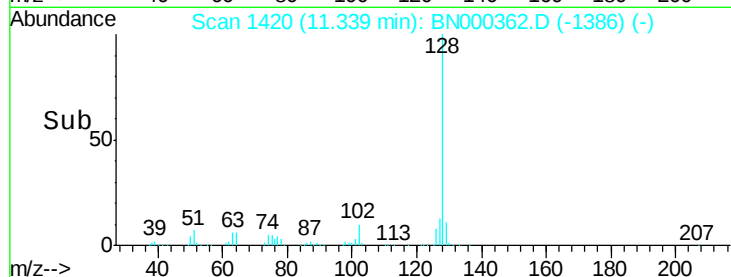
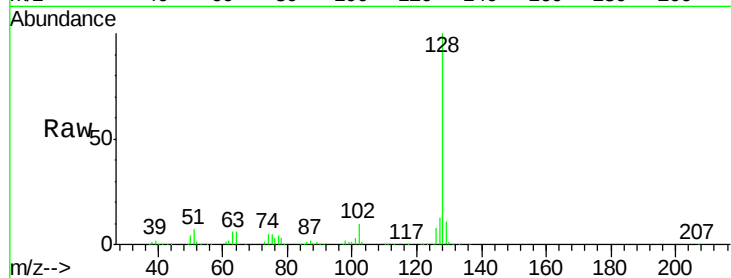
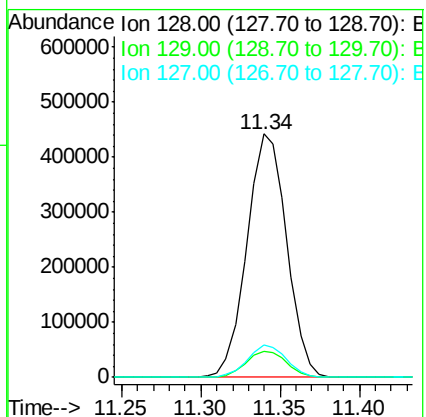
BNA_N

ClientSampleId :

DAM69DL

Tot Ion:128 Resp: 771496

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	13.2	10.6	16.0



#4

2-Methylnaphthalene

Concen: 3.936 ng/ul

RT: 12.92 min Scan# 1688

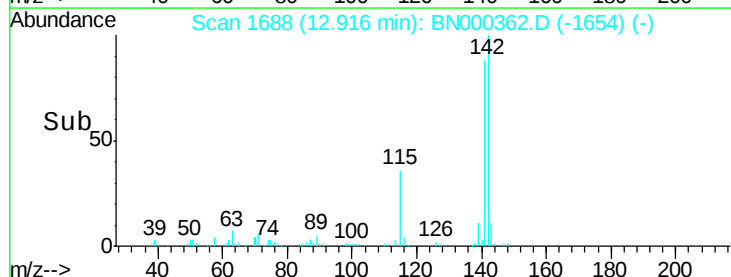
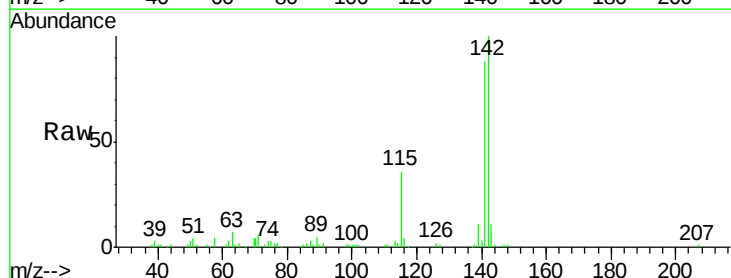
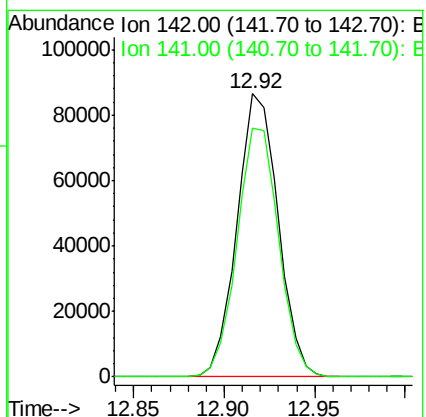
Delta R.T. -0.00 min

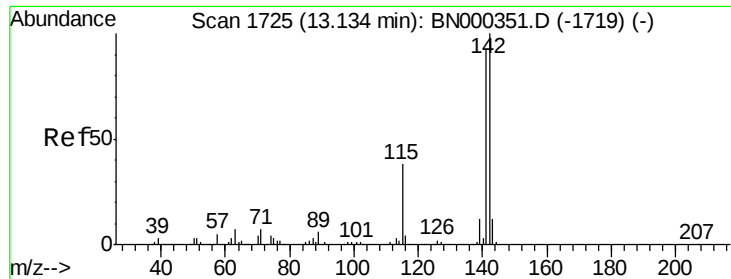
Lab File: BN000362.D

Acq: 13 Mar 2018 22:45

Tgt Ion:142 Resp: 136460

Ion	Ratio	Lower	Upper
142	100		
141	88.0	72.7	109.1





#5

1-Methylnaphthalene

Concen: 2.135 ng/ul

RT: 13.13 min Scan# 1725

Delta R.T. -0.00 min

Lab File: BN000362.D

Acq: 13 Mar 2018 22:45

Instrument :

BNA_N

ClientSampleId :

DAM69DL

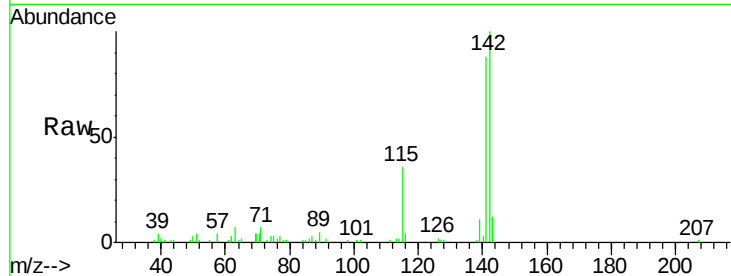
Tot Ion:142 Resp: 74299

Ion Ratio Lower Upper

142 100

141 87.8 79.3 118.9

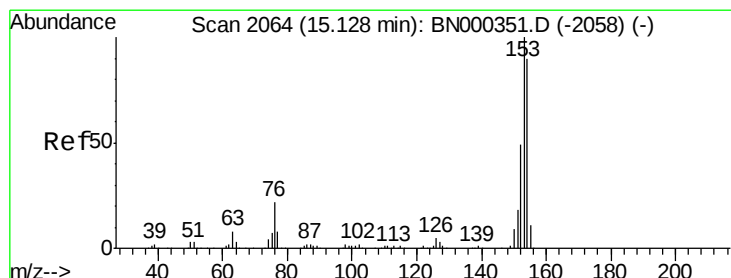
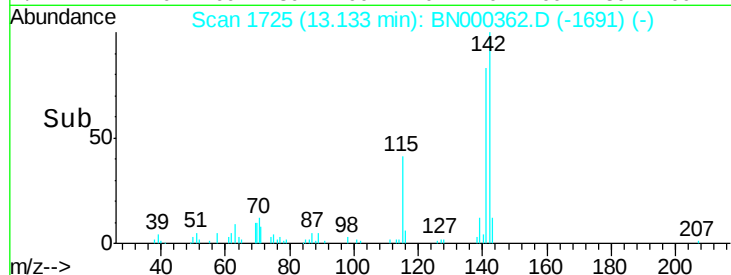
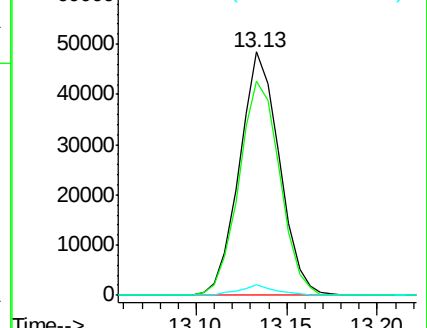
116 4.4 4.2 6.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#9

Acenaphthene

Concen: 5.783 ng/ul

RT: 15.13 min Scan# 2064

Delta R.T. -0.00 min

Lab File: BN000362.D

Acq: 13 Mar 2018 22:45

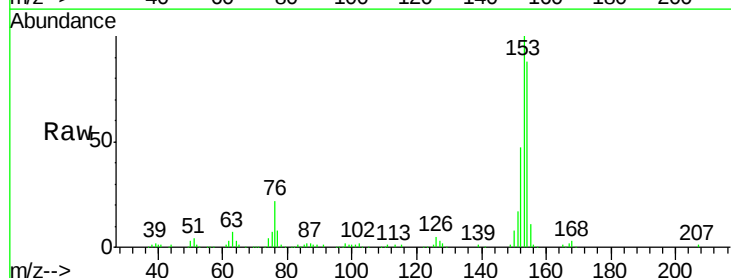
Tgt Ion:153 Resp: 212263

Ion Ratio Lower Upper

153 100

152 47.4 39.0 58.6

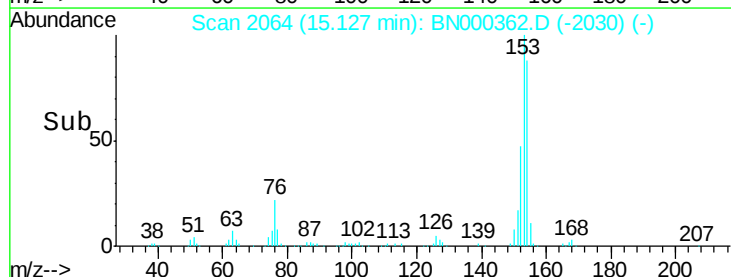
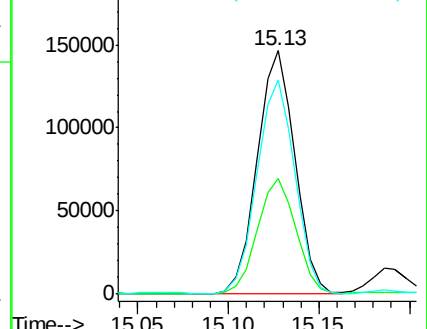
154 87.8 66.8 100.2

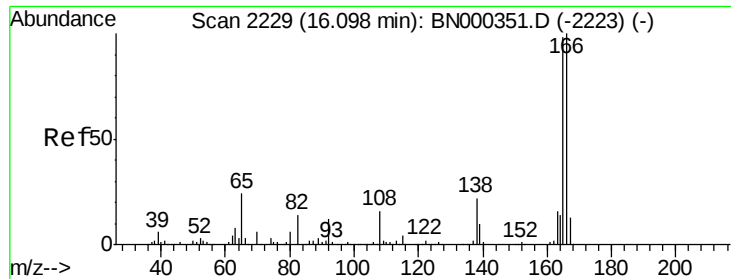


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 6.959 ng/ul

RT: 16.10 min Scan# 2229

Delta R.T. -0.00 min

Lab File: BN000362.D

Acq: 13 Mar 2018 22:45

Instrument :

BNA_N

ClientSampleId :

DAM69DL

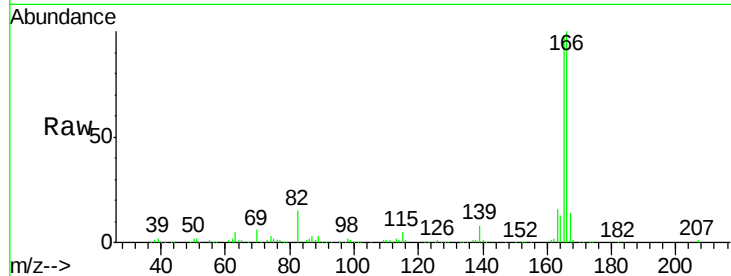
Tot Ion:166 Resp: 281701

Ion Ratio Lower Upper

166 100

165 98.3 83.8 125.8

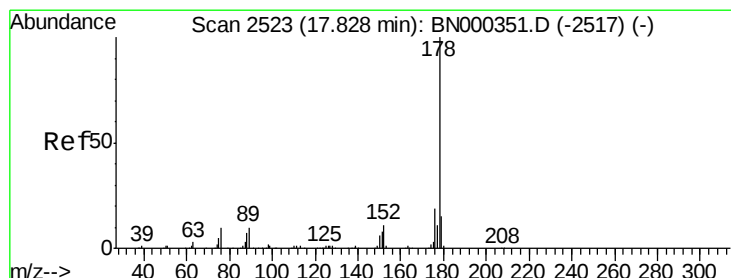
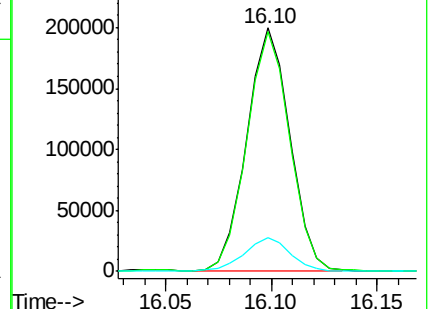
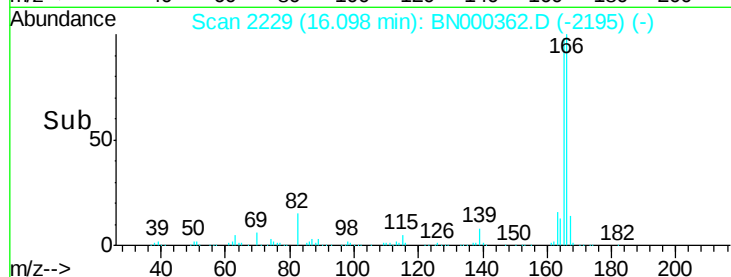
167 13.6 11.5 17.3



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



#13

Phenanthrene

Concen: 35.376 ng/ul

RT: 17.83 min Scan# 2523

Delta R.T. -0.00 min

Lab File: BN000362.D

Acq: 13 Mar 2018 22:45

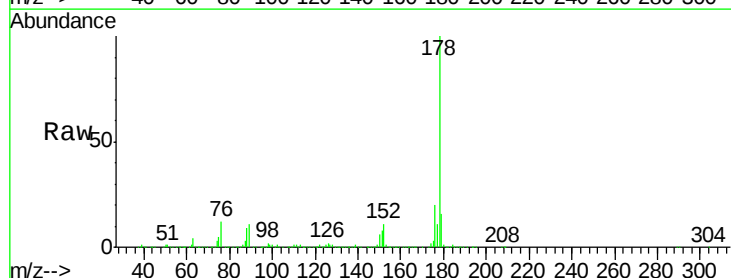
Tgt Ion:178 Resp: 2427306

Ion Ratio Lower Upper

178 100

179 15.8 12.3 18.5

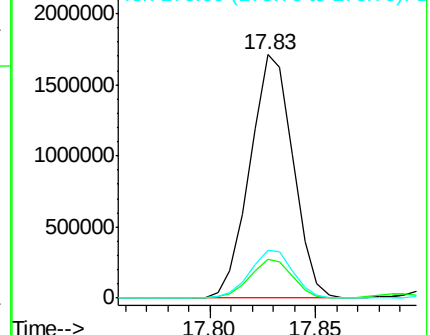
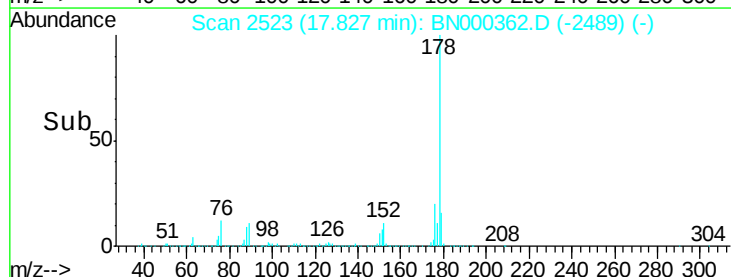
176 19.7 15.1 22.7

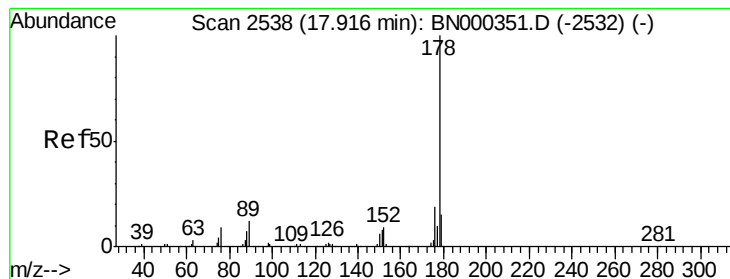


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Anthracene

Concen: 9.540 ng/ul

RT: 17.92 min Scan# 2538

Delta R.T. -0.00 min

Lab File: BN000362.D

Acq: 13 Mar 2018 22:45

Instrument :

BNA_N

ClientSampleId :

DAM69DL

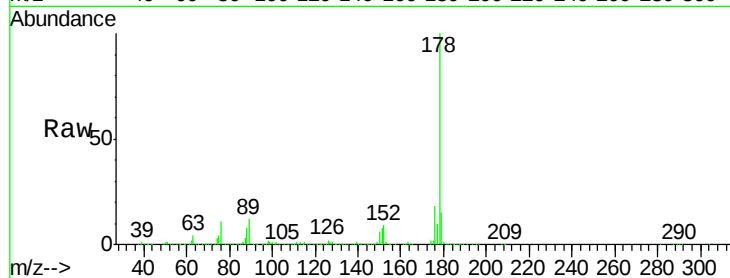
Tot Ion:178 Resp: 664205

Ion Ratio Lower Upper

178 100

179 15.2 11.8 17.8

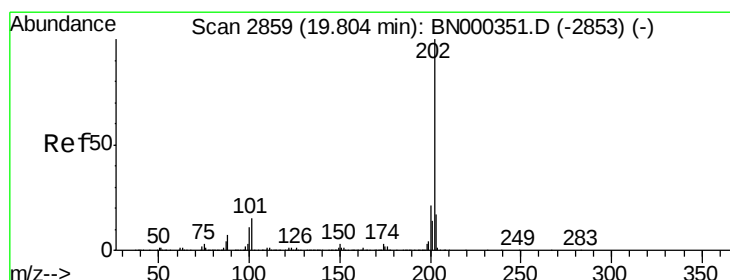
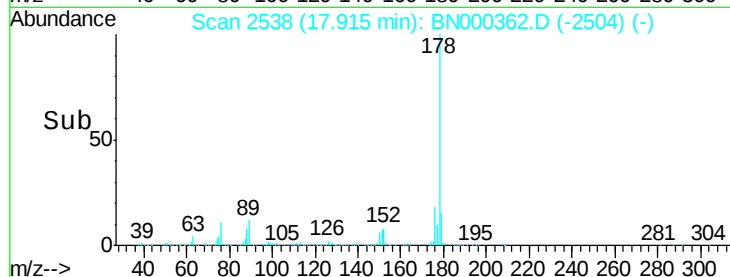
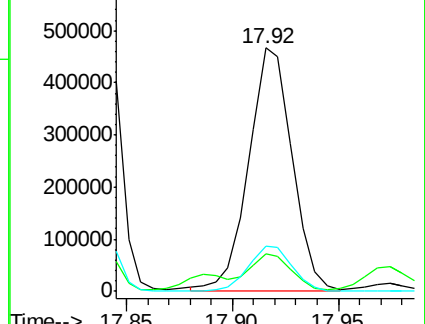
176 18.5 15.2 22.8



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



#16

Fluoranthene

Concen: 34.688 ng/ul

RT: 19.81 min Scan# 2860

Delta R.T. 0.01 min

Lab File: BN000362.D

Acq: 13 Mar 2018 22:45

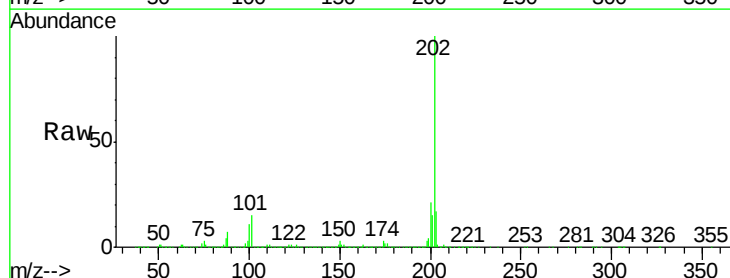
Tgt Ion:202 Resp: 2571606

Ion Ratio Lower Upper

202 100

101 14.8 9.9 14.9

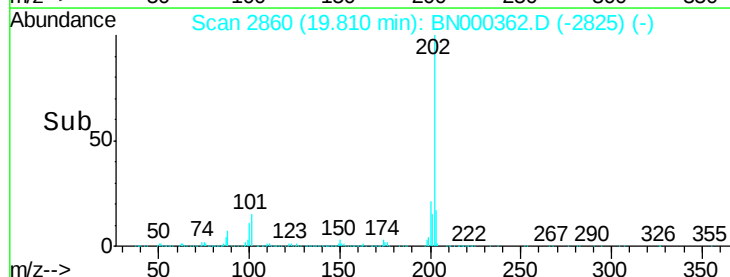
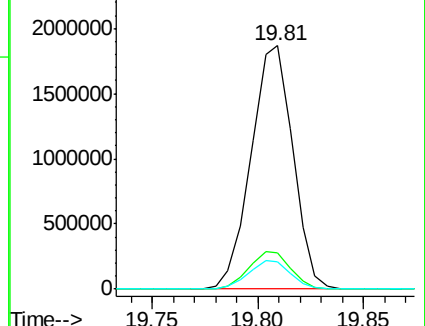
100 11.4 7.4 11.0#

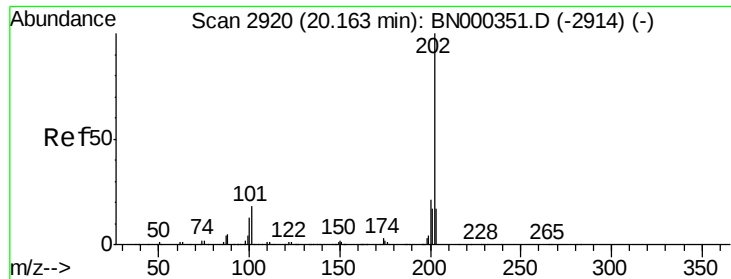


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#19

Pvrene

Concen: 25.703 ng/ul

RT: 20.17 min Scan# 2921

Delta R.T. 0.01 min

Lab File: BN000362.D

Acq: 13 Mar 2018 22:45

Instrument :

BNA_N

ClientSampleId :

DAM69DL

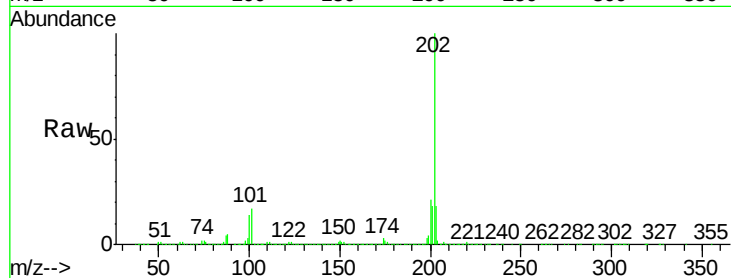
Tot Ion:202 Resp: 1939229

Ion Ratio Lower Upper

202 100

101 17.1 11.0 16.4#

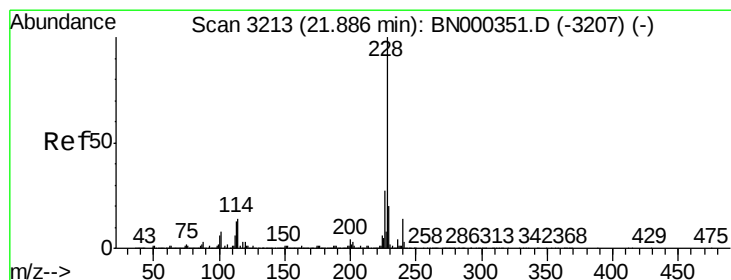
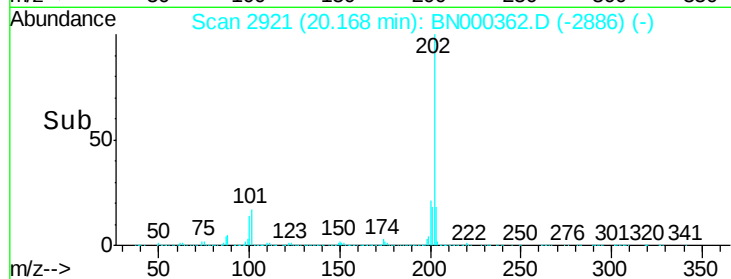
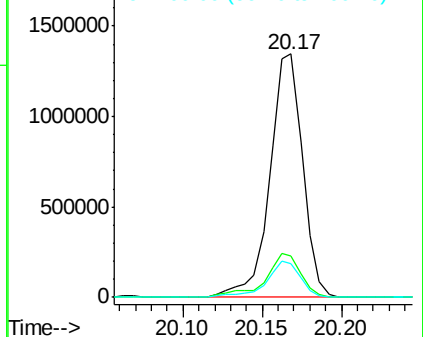
100 13.9 8.1 12.1#



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



#20

Benzo(a)anthracene

Concen: 13.141 ng/ul

RT: 21.89 min Scan# 3213

Delta R.T. -0.00 min

Lab File: BN000362.D

Acq: 13 Mar 2018 22:45

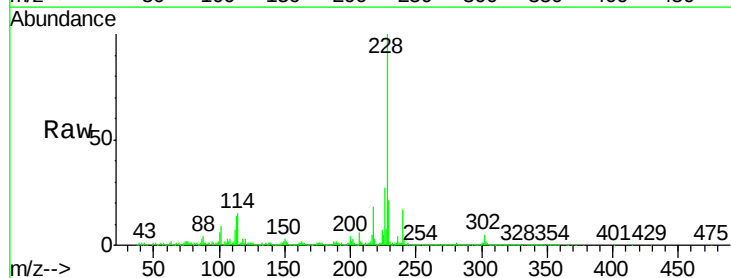
Tgt Ion:228 Resp: 976294

Ion Ratio Lower Upper

228 100

229 21.1 15.7 23.5

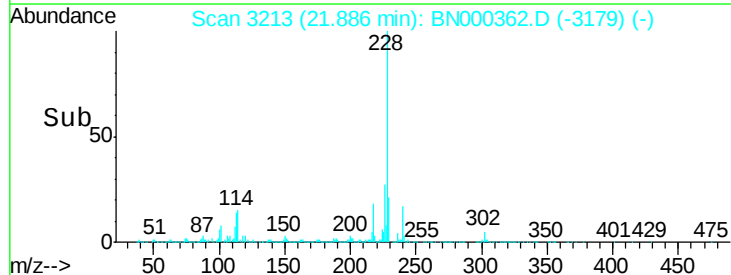
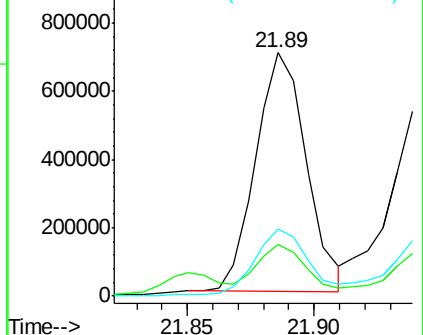
226 27.4 21.1 31.7

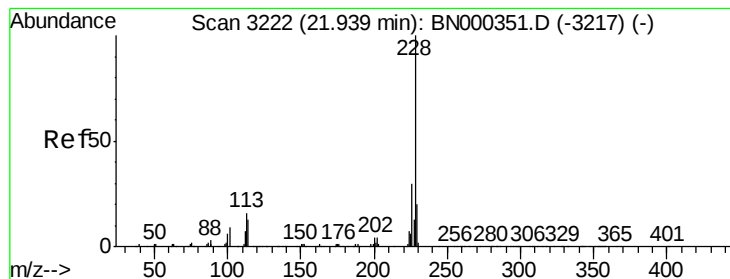


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





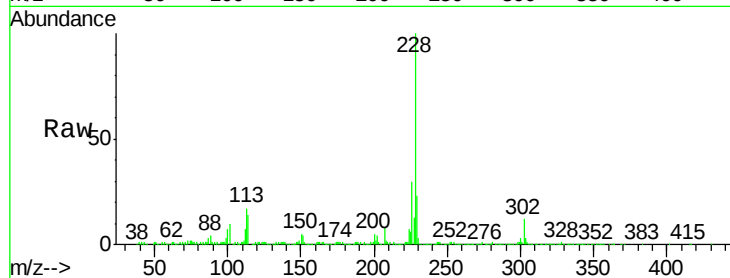
#21

Chrysene

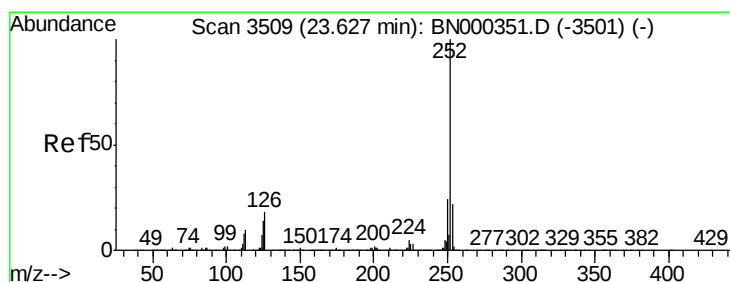
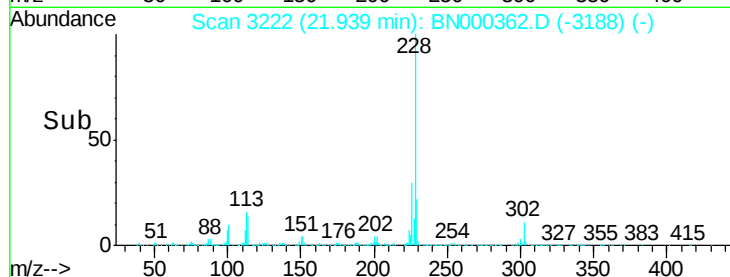
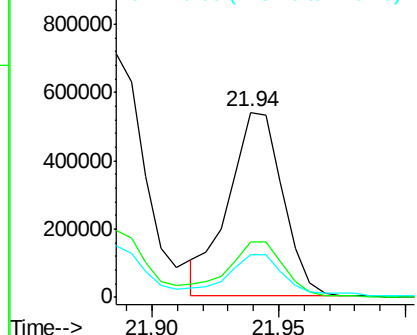
Concen: 11.247 ng/ul
 RT: 21.94 min Scan# 3222
 Delta R.T. -0.00 min
 Lab File: BN000362.D
 Acq: 13 Mar 2018 22:45

Instrument :
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 DAM69DL

Tot Ion:228 Resp: 792938
 Ion Ratio Lower Upper
 228 100
 226 29.7 24.5 36.7
 229 22.8 15.8 23.8



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

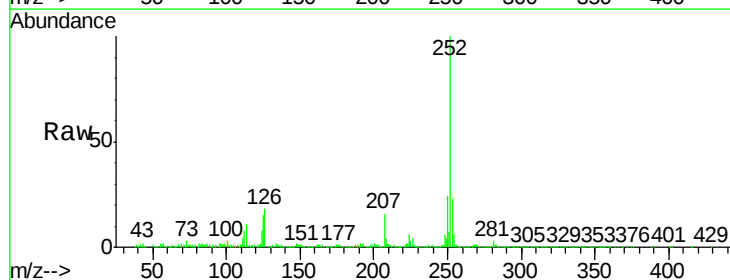


#23

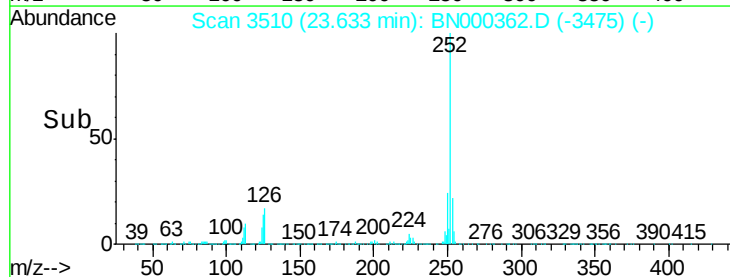
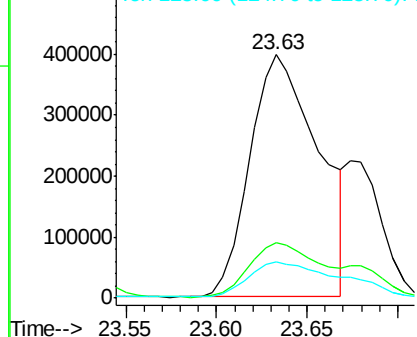
Benzo(b)fluoranthene

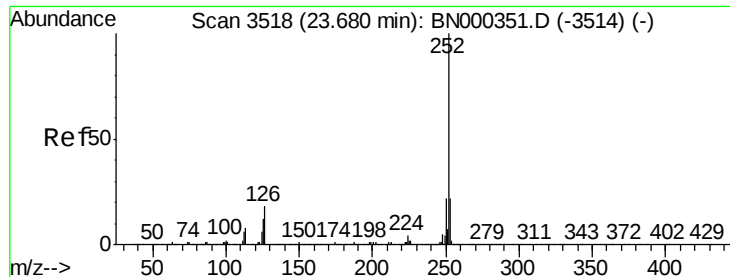
Concen: 15.342 ng/ul
 RT: 23.63 min Scan# 3510
 Delta R.T. 0.01 min
 Lab File: BN000362.D
 Acq: 13 Mar 2018 22:45

Tgt Ion:252 Resp: 1049086
 Ion Ratio Lower Upper
 252 100
 253 22.6 18.0 27.0
 125 14.8 8.0 12.0#



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

Benzo(k)fluoranthene

Concen: 21.080 ng/ul

RT: 23.63 min Scan# 3510

Delta R.T. -0.05 min

Lab File: BN000362.D

Acq: 13 Mar 2018 22:45

Instrument :

BNA_N

ClientSampleId :

DAM69DL

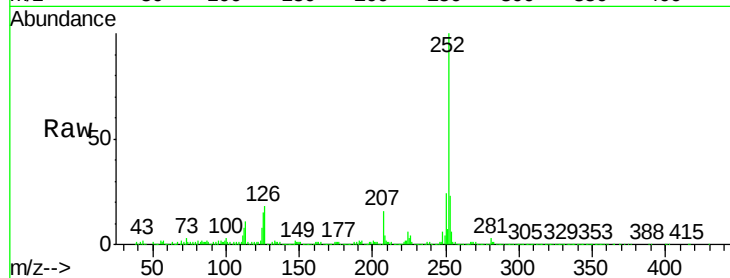
Tot Ion:252 Resp: 1349210

Ion Ratio Lower Upper

252 100

253 22.6 18.0 27.0

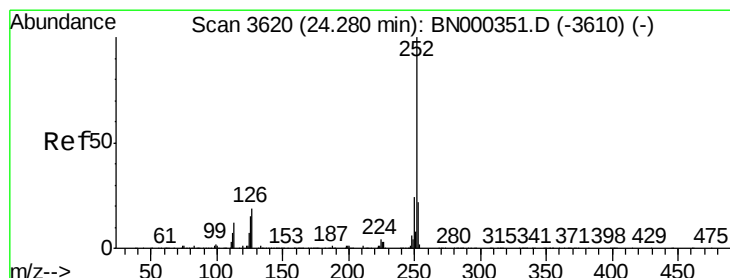
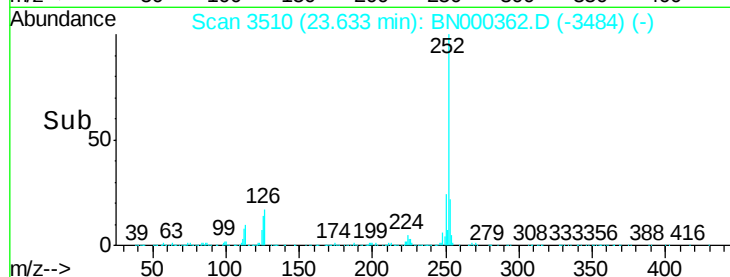
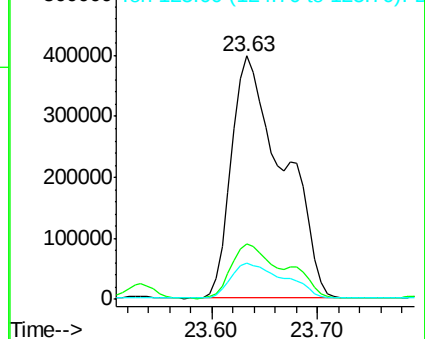
125 14.8 8.1 12.1#



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



#26

Benzo(a)pyrene

Concen: 10.342 ng/ul

RT: 24.28 min Scan# 3620

Delta R.T. -0.00 min

Lab File: BN000362.D

Acq: 13 Mar 2018 22:45

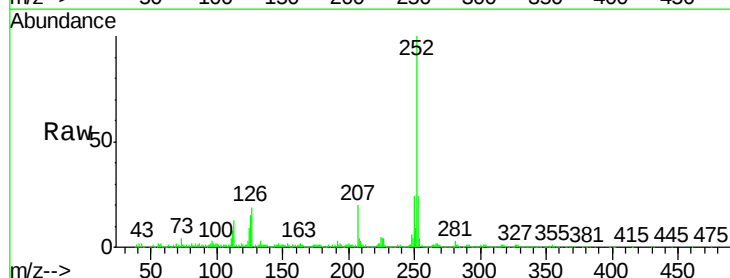
Tgt Ion:252 Resp: 673035

Ion Ratio Lower Upper

252 100

253 23.7 17.2 25.8

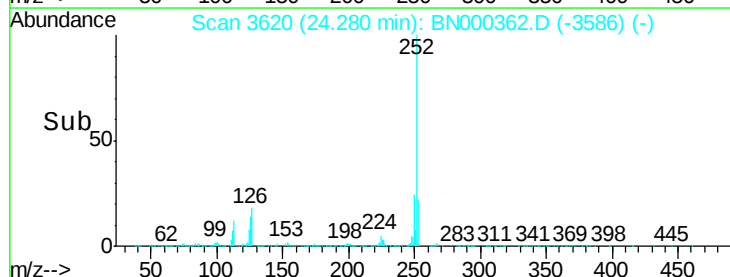
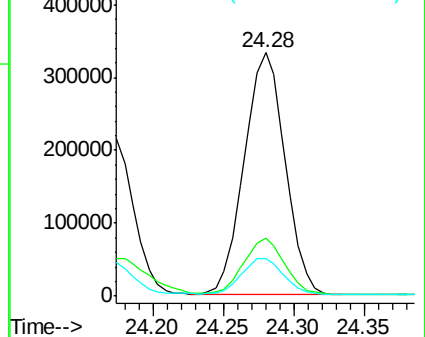
125 15.2 8.2 12.4#

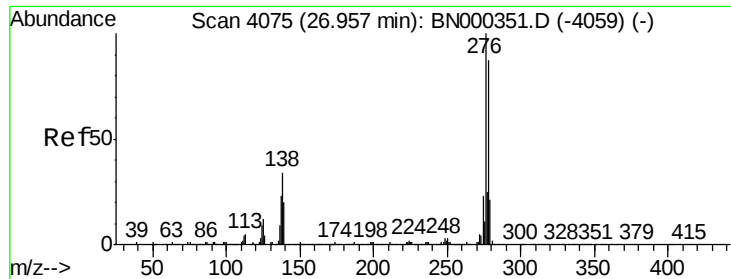


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#27

Indeno(1,2,3-cd)pyrene

Concen: 5.714 ng/ul

RT: 26.96 min Scan# 4075

Delta R.T. -0.00 min

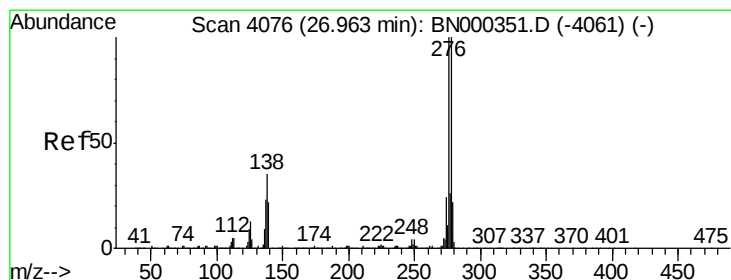
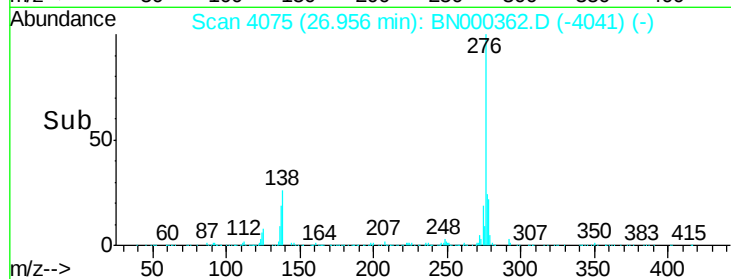
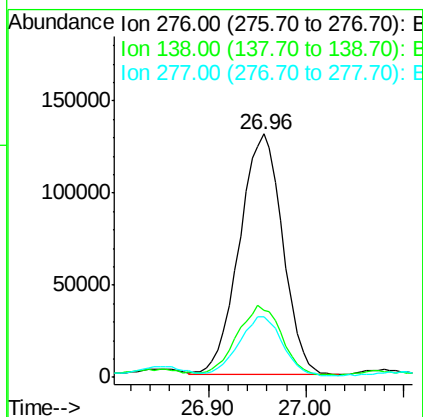
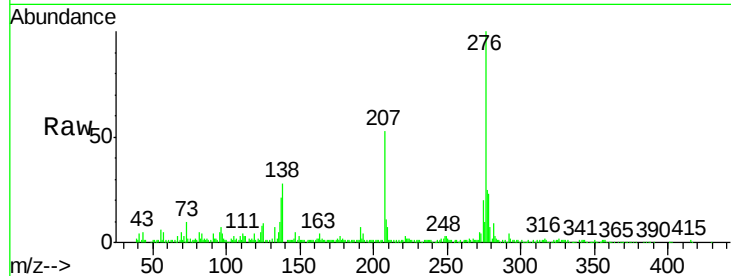
Lab File: BN000362.D

Acq: 13 Mar 2018 22:45

Instrument :
BNA_N
ClientSampleId :
DAM69DL

Tot Ion:276 Resp: 400974

Ion	Ratio	Lower	Upper
276	100		
138	27.6	14.4	21.6#
277	24.7	18.0	27.0



#28

Dibenzo(a,h)anthracene

Concen: 1.913 ng/ul

RT: 26.95 min Scan# 4074

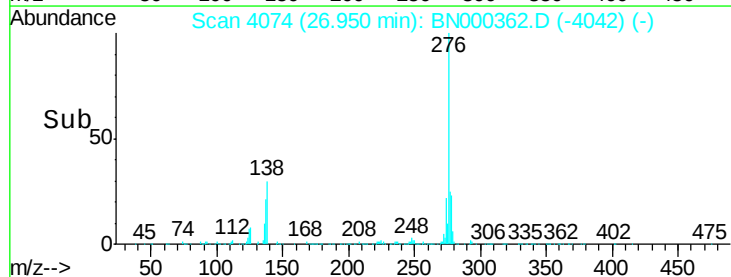
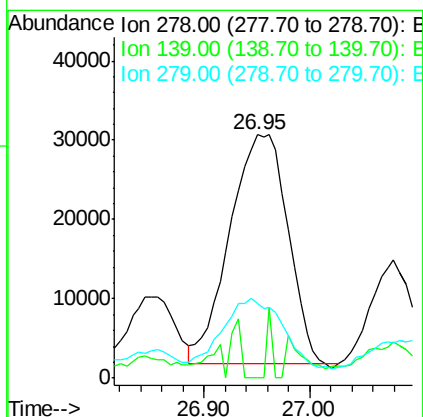
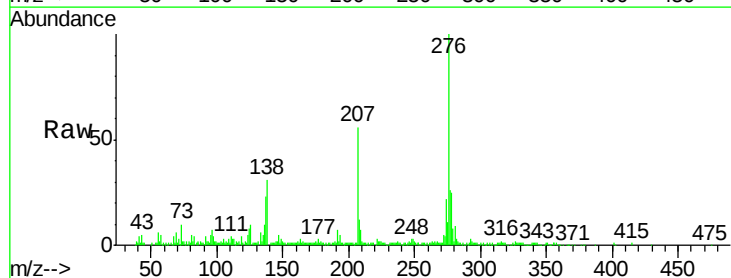
Delta R.T. -0.01 min

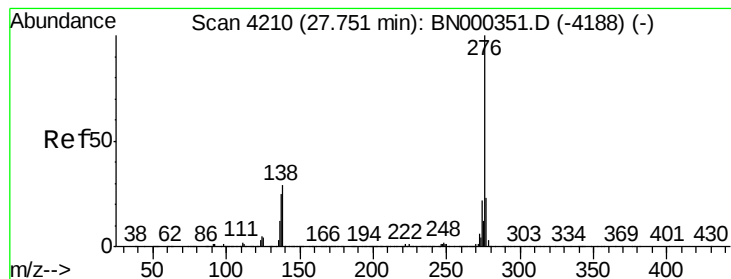
Lab File: BN000362.D

Acq: 13 Mar 2018 22:45

Tgt Ion:278 Resp: 110035

Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.2	18.4#
279	30.6	19.2	28.8#





#29

Benzo(a,h,i)perylene

Concen: 5.289 ng/ul

RT: 27.74 min Scan# 4209

Delta R.T. -0.01 min

Lab File: BN000362.D

Acq: 13 Mar 2018 22:45

Instrument :

BNA_N

ClientSampleId :

DAM69DL

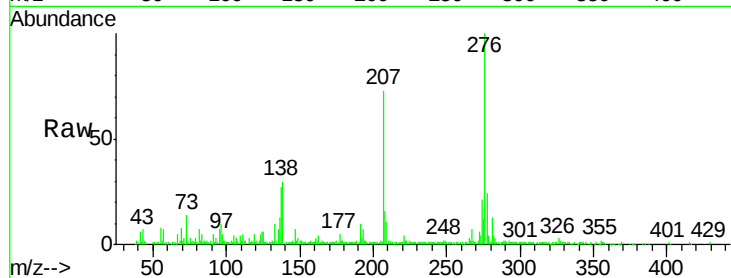
Tot Ion:276 Resp: 309864

Ion Ratio Lower Upper

276 100

138 29.8 15.3 22.9#

277 23.9 19.0 28.4



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

