

Data Path : Z:\HPCHEM1\BNA N\DATA\BN031418\
 Data File : BN000381.D
 Acq On : 14 Mar 2018 19:06
 Operator : JU/SJ
 Sample : J1865-16
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Mar 15 07:06:40 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN030918MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Mar 15 07:02:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.45	152	174083	20.00	ng/ul	0.00
2) Naphthalene-d8	11.29	136	880024	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.06	164	521971	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.79	188	1196261	20.00	ng/ul	0.00
17) Chrysene-d12	21.90	240	1178546	20.00	ng/ul	0.00
22) Perylene-d12	24.39	264	1088937	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	14.76	160	1572978	30.36	ng/ul	0.00
10) Fluorene-d10	16.04	176	1050421	29.94	ng/ul	0.00
14) Anthracene-d10	17.88	188	1661800	29.73	ng/ul	0.00
18) Pyrene-d10	20.13	212	1888515	32.75	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.23	264	1523971	30.65	ng/ul	0.00

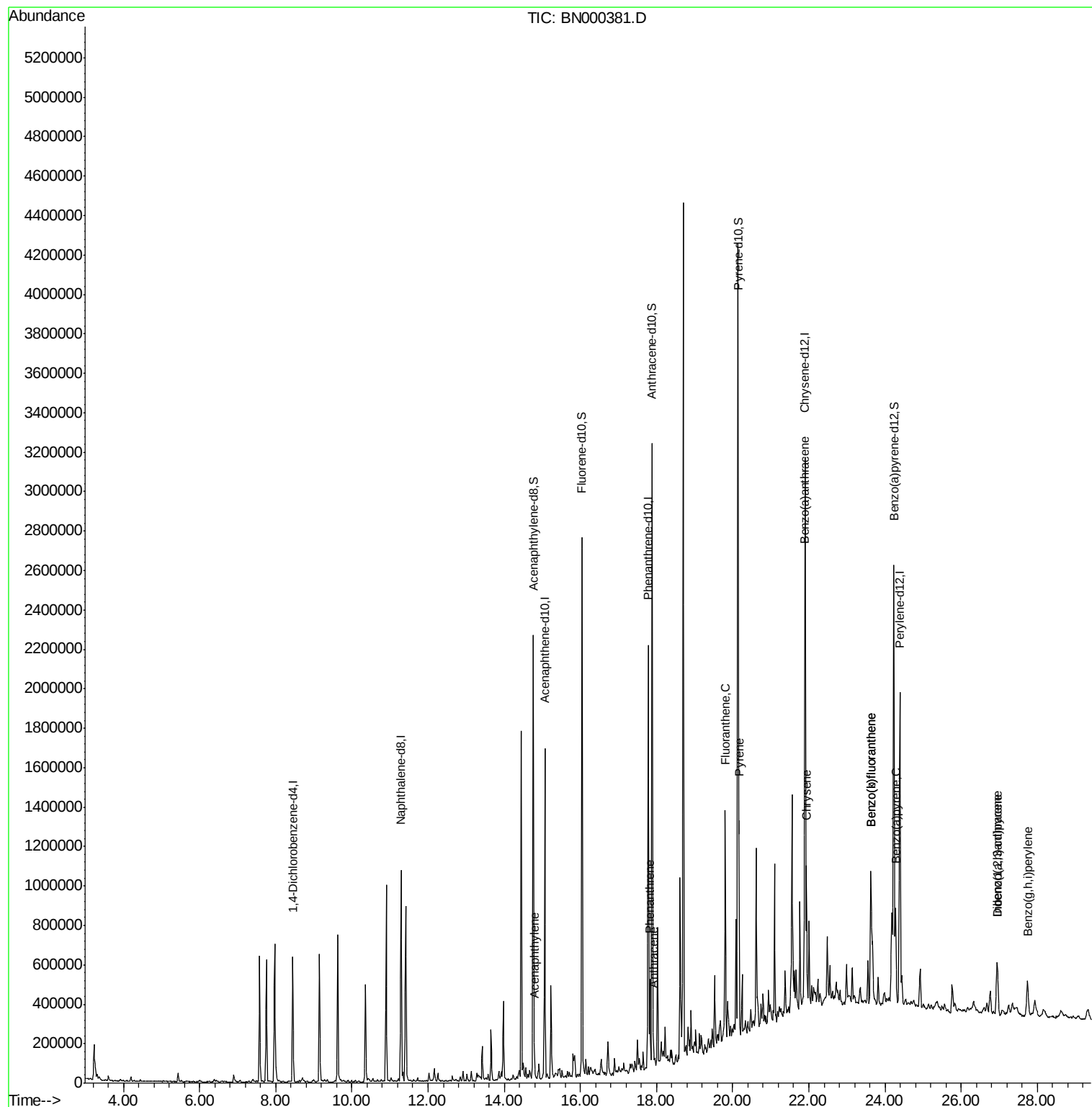
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Acenaphthylene	14.79	152	54849	1.054	ng/ul	97
13) Phenanthrene	17.83	178	204939	2.987	ng/ul	100
15) Anthracene	17.92	178	71434	1.026	ng/ul	99
16) Fluoranthene	19.80	202	626729	8.455	ng/ul#	93
19) Pyrene	20.16	202	556111	7.474	ng/ul#	89
20) Benzo(a)anthracene	21.89	228	365094	4.983	ng/ul	97
21) Chrysene	21.94	228	396691	5.705	ng/ul	97
23) Benzo(b)fluoranthene	23.63	252	739465	11.388	ng/ul#	96
24) Benzo(k)fluoranthene	23.63	252	608508	10.011	ng/ul#	96
26) Benzo(a)pyrene	24.28	252	323555	5.236	ng/ul#	93
27) Indeno(1,2,3-cd)pyrene	26.94	276	255740	3.838	ng/ul#	85
28) Dibenzo(a,h)anthracene	26.95	278	67556	1.237	ng/ul#	82
29) Benzo(a,h,i)perylene	27.74	276	217514	3.909	ng/ul#	87

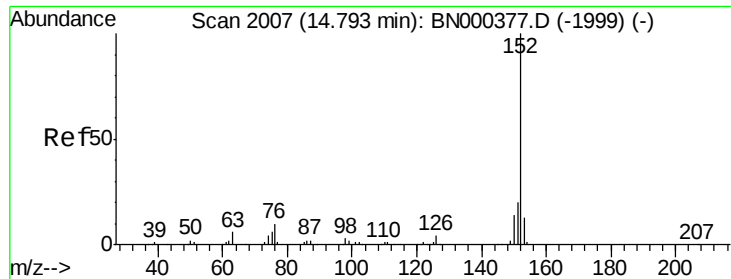
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Acenaphthylene

Concen: 1.054 ng/ul

RT: 14.79 min Scan# 2007

Delta R.T. 0.00 min

Lab File: BN000381.D

Acq: 14 Mar 2018 19:06

Instrument :

BNA_N

ClientSampleId :

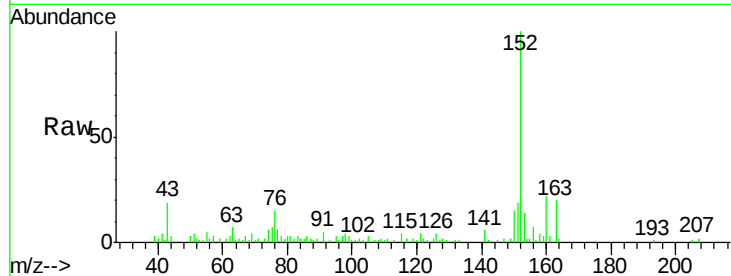
Tot Ion:152 Resp: 54849

Ion Ratio Lower Upper

152 100

151 19.0 16.7 25.1

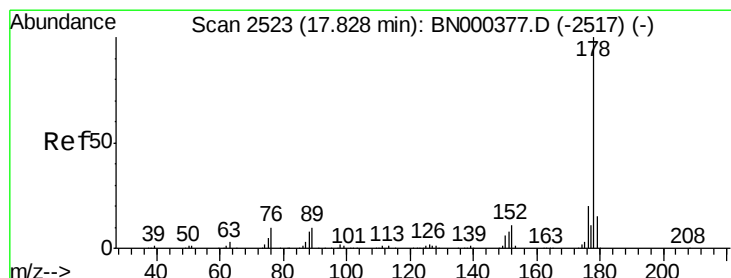
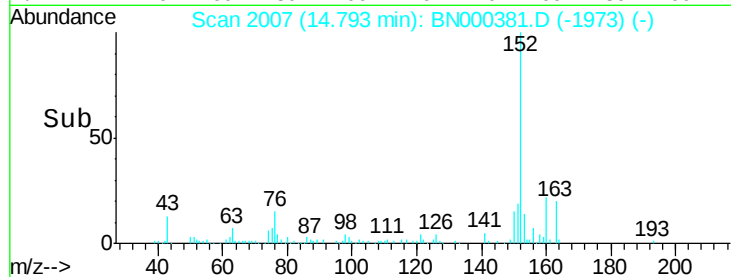
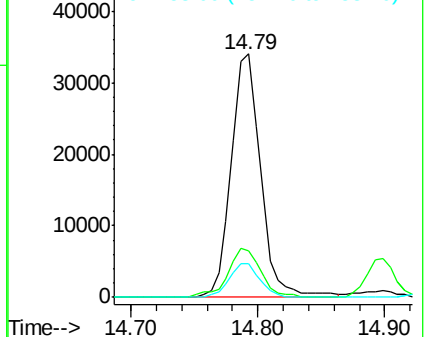
153 13.7 10.2 15.4



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



#13

Phenanthrene

Concen: 2.987 ng/ul

RT: 17.83 min Scan# 2523

Delta R.T. 0.00 min

Lab File: BN000381.D

Acq: 14 Mar 2018 19:06

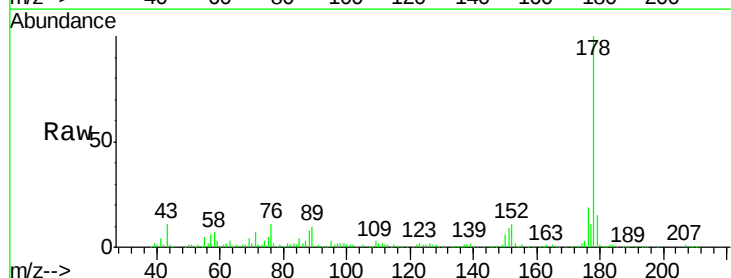
Tgt Ion:178 Resp: 204939

Ion Ratio Lower Upper

178 100

179 15.2 12.3 18.5

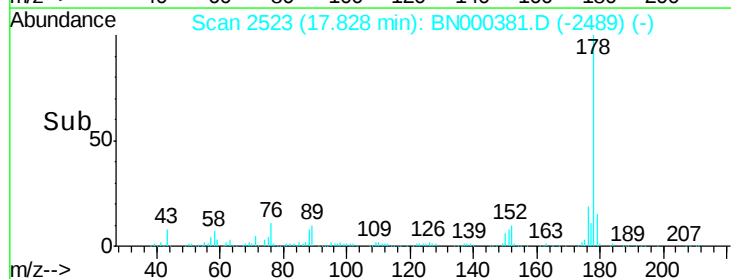
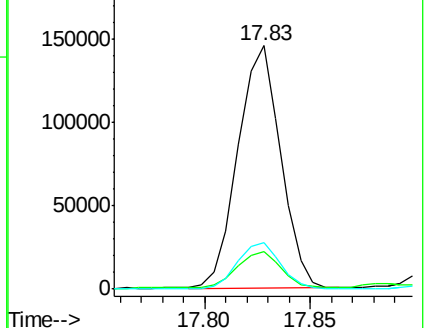
176 18.9 15.1 22.7

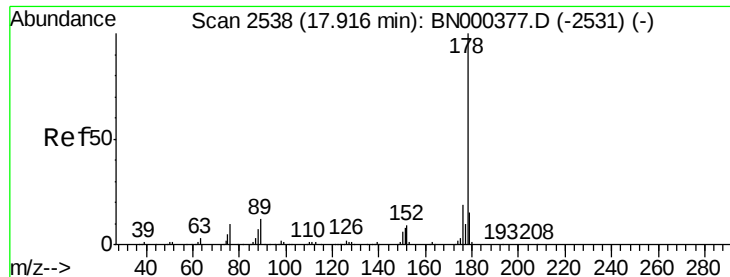


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Anthracene

Concen: 1.026 ng/ul

RT: 17.92 min Scan# 2538

Delta R.T. 0.00 min

Lab File: BN000381.D

Acq: 14 Mar 2018 19:06

Instrument :

BNA_N

ClientSampleId :

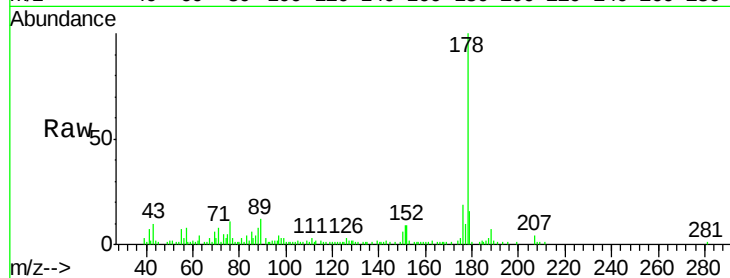
Tot Ion:178 Resp: 71434

Ion Ratio Lower Upper

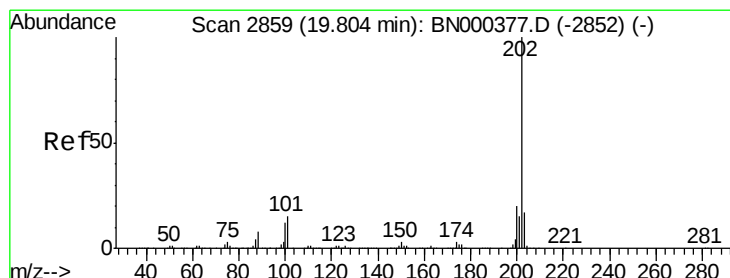
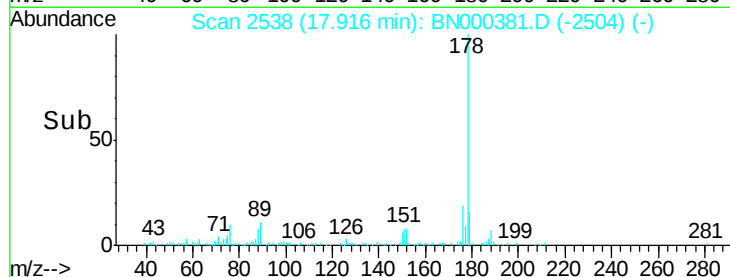
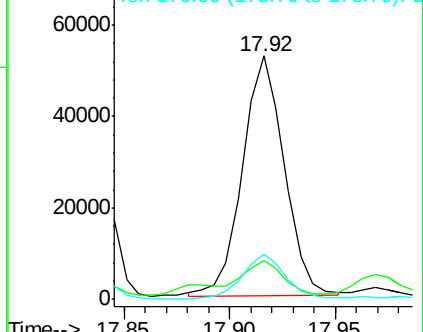
178 100

179 15.7 11.8 17.8

176 18.8 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: 8.455 ng/ul

RT: 19.80 min Scan# 2859

Delta R.T. 0.00 min

Lab File: BN000381.D

Acq: 14 Mar 2018 19:06

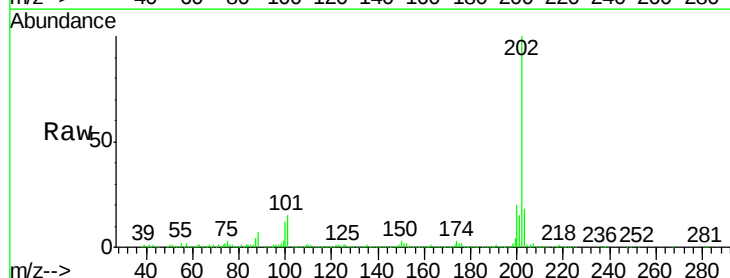
Tgt Ion:202 Resp: 626729

Ion Ratio Lower Upper

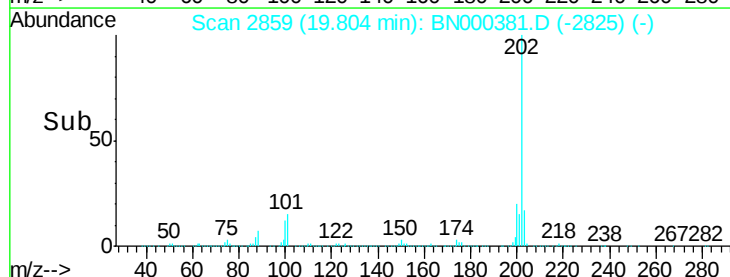
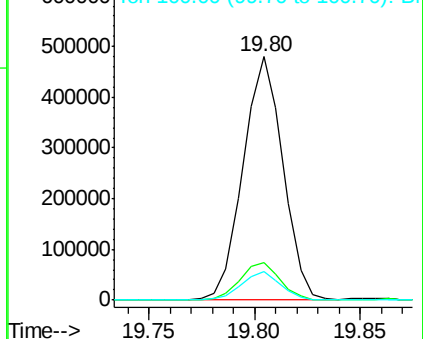
202 100

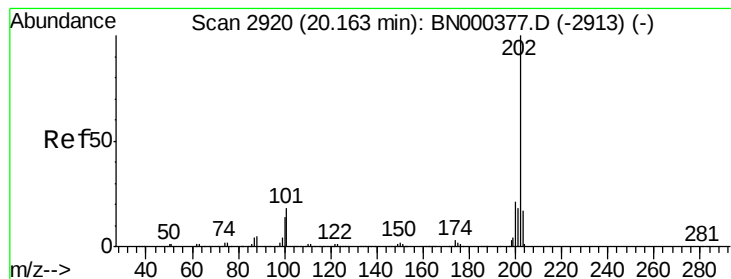
101 15.3 9.9 14.9#

100 11.6 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: 7.474 ng/ul

RT: 20.16 min Scan# 2920

Delta R.T. 0.00 min

Lab File: BN000381.D

Acq: 14 Mar 2018 19:06

Instrument :

BNA_N

ClientSampleId :

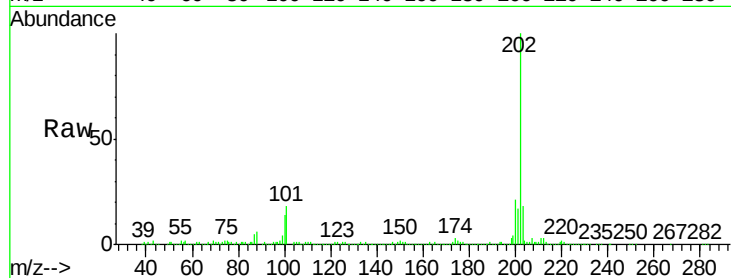
Tot Ion:202 Resp: 556111

Ion Ratio Lower Upper

202 100

101 17.8 11.0 16.4#

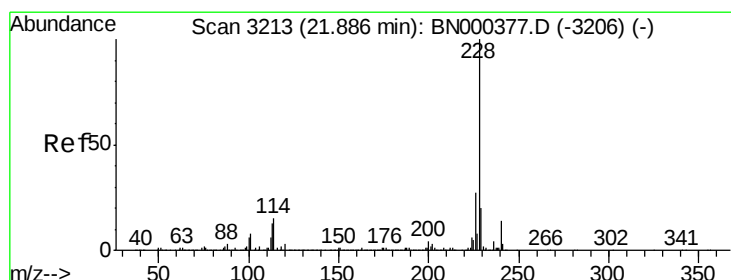
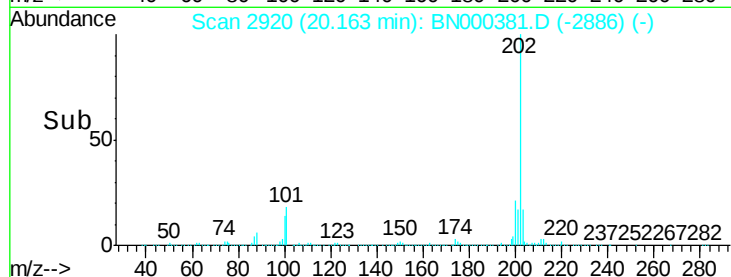
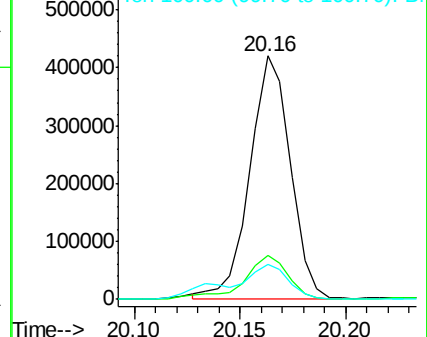
100 14.4 8.1 12.1#



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: 4.983 ng/ul

RT: 21.89 min Scan# 3213

Delta R.T. 0.00 min

Lab File: BN000381.D

Acq: 14 Mar 2018 19:06

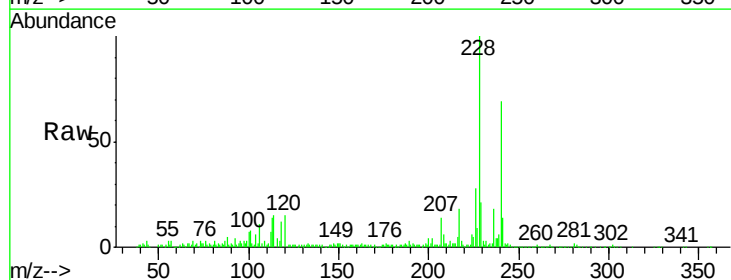
Tgt Ion:228 Resp: 365094

Ion Ratio Lower Upper

228 100

229 20.9 15.7 23.5

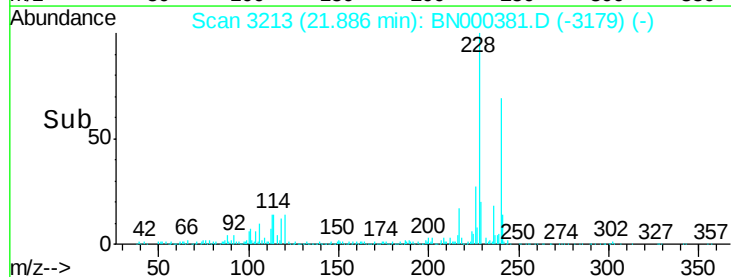
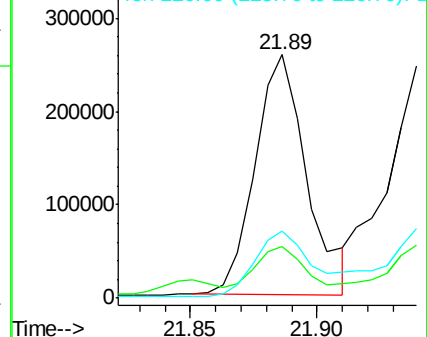
226 27.5 21.1 31.7

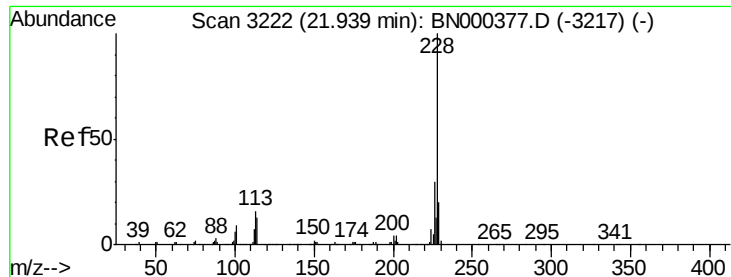


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#21

Chrysene

Concen: 5.705 ng/ul

RT: 21.94 min Scan# 3222

Delta R.T. 0.00 min

Lab File: BN000381.D

Acq: 14 Mar 2018 19:06

Instrument :

BNA_N

ClientSampleId :

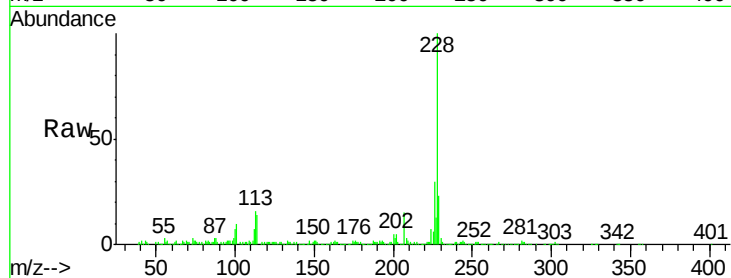
Tot Ion:228 Resp: 396691

Ion Ratio Lower Upper

228 100

226 30.2 24.5 36.7

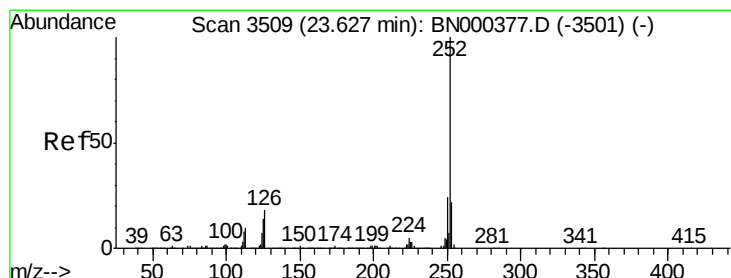
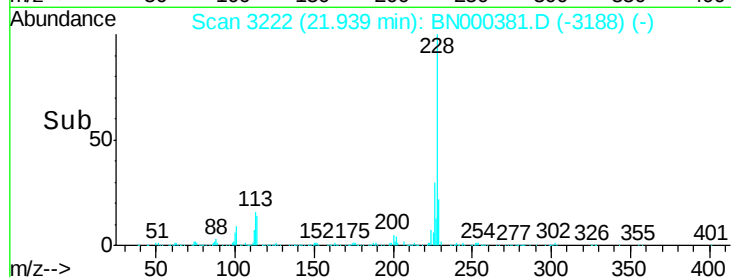
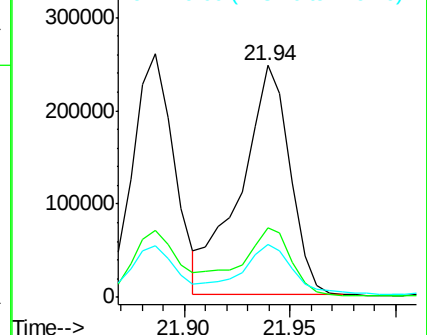
229 22.6 15.8 23.8



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: 11.388 ng/ul

RT: 23.63 min Scan# 3509

Delta R.T. 0.00 min

Lab File: BN000381.D

Acq: 14 Mar 2018 19:06

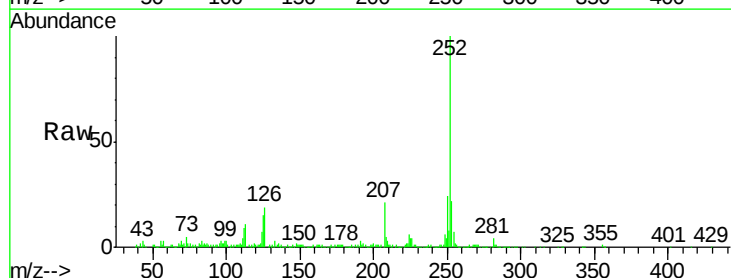
Tgt Ion:252 Resp: 739465

Ion Ratio Lower Upper

252 100

253 22.5 18.0 27.0

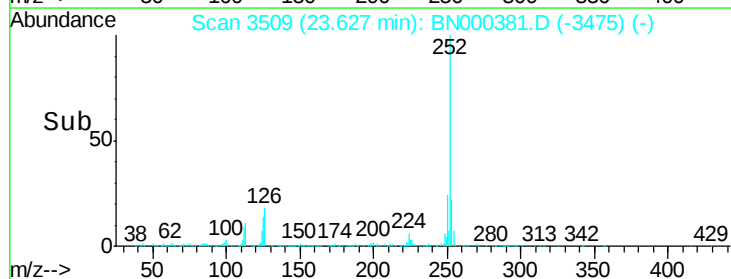
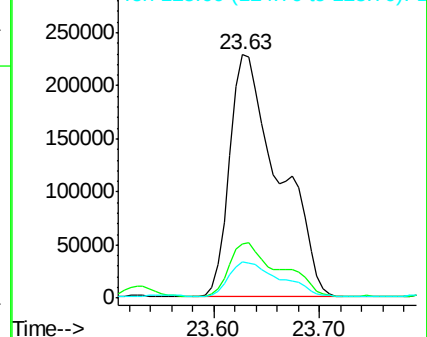
125 15.0 8.0 12.0#

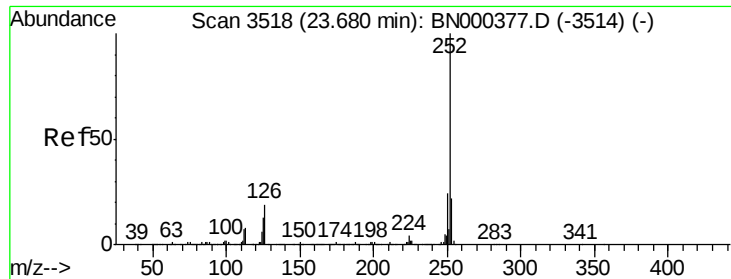


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 10.011 ng/ul

RT: 23.63 min Scan# 3509

Delta R.T. -0.05 min

Lab File: BN000381.D

Acq: 14 Mar 2018 19:06

Instrument :

BNA_N

ClientSampleId :

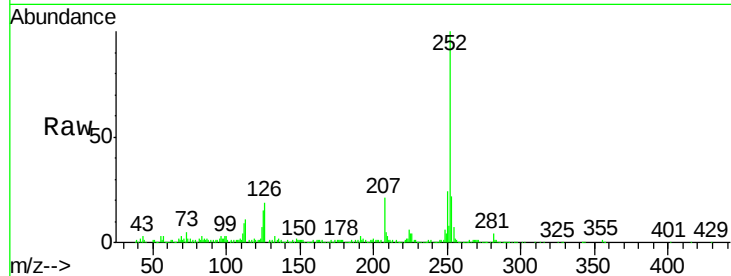
Tot Ion:252 Resp: 608508

Ion Ratio Lower Upper

252 100

253 22.5 18.0 27.0

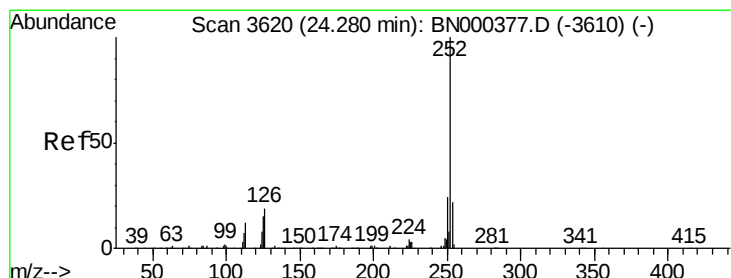
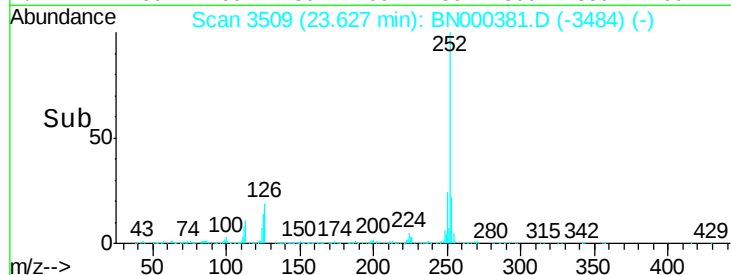
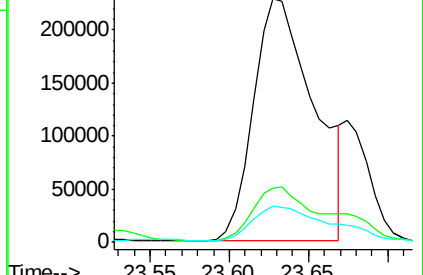
125 15.0 8.1 12.1#



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: 5.236 ng/ul

RT: 24.28 min Scan# 3620

Delta R.T. 0.00 min

Lab File: BN000381.D

Acq: 14 Mar 2018 19:06

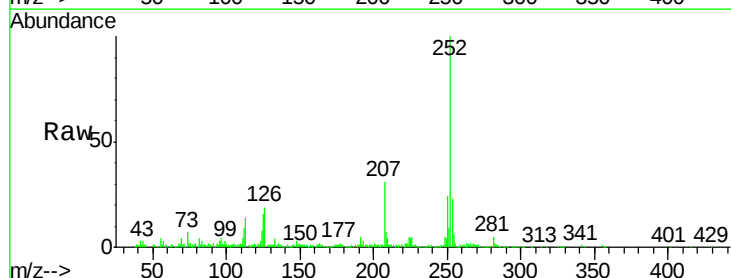
Tgt Ion:252 Resp: 323555

Ion Ratio Lower Upper

252 100

253 23.4 17.2 25.8

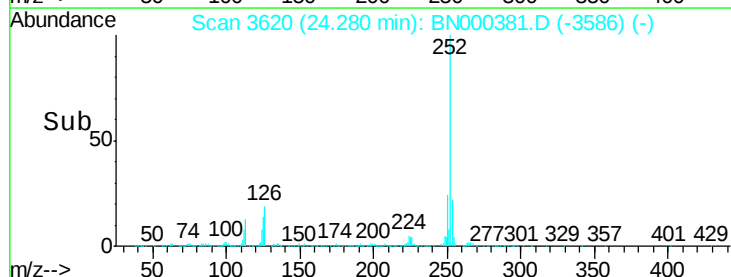
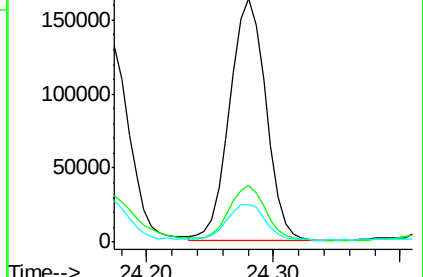
125 15.5 8.2 12.4#

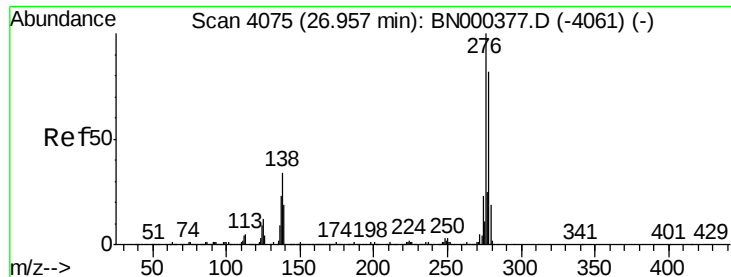


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



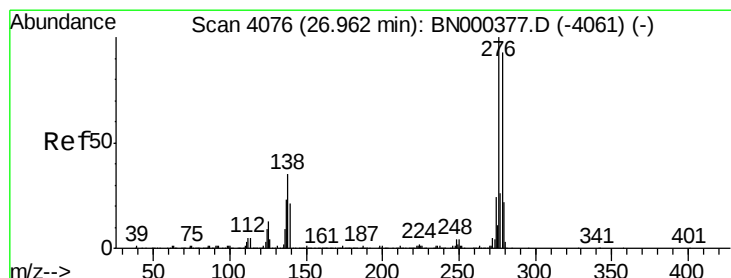
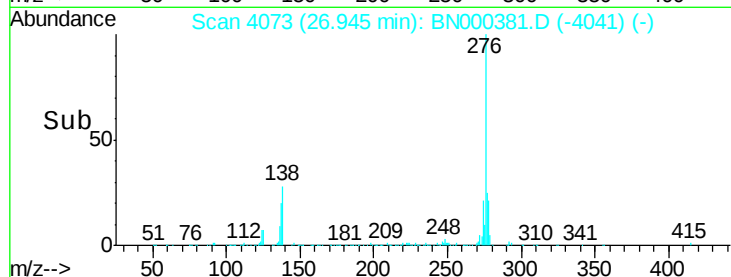
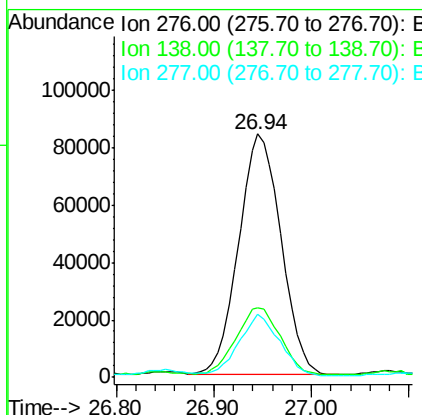
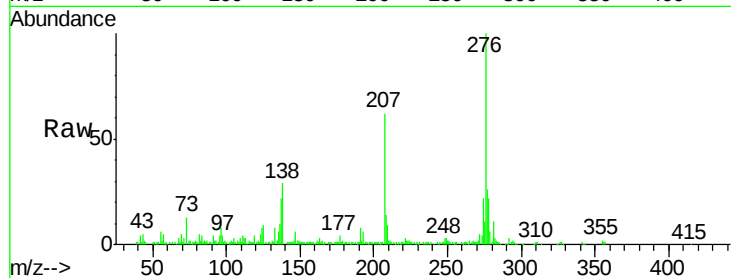


#27

Indeno(1,2,3-cd)pyrene
Concen: 3.838 ng/ul
RT: 26.94 min Scan# 4073
Delta R.T. -0.01 min
Lab File: BN000381.D
Acq: 14 Mar 2018 19:06

Instrument :
BNA_N
ClientSampleId :

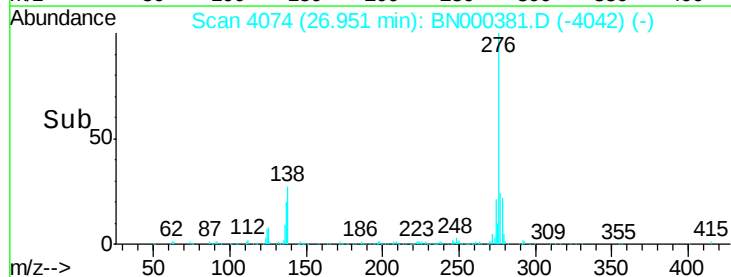
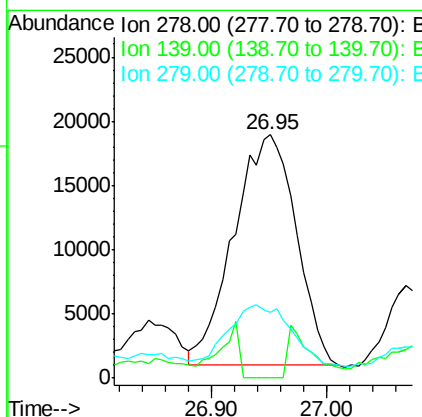
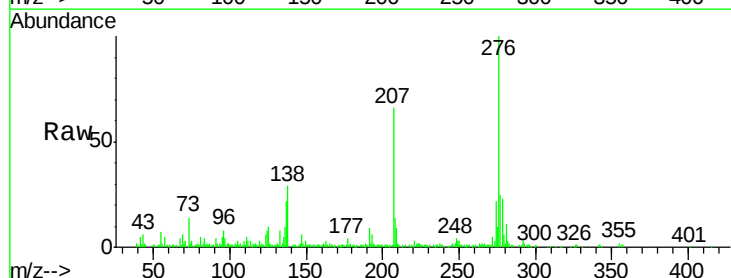
Tot Ion:276 Resp: 255740
Ion Ratio Lower Upper
276 100
138 28.7 14.4 21.6#
277 25.8 18.0 27.0

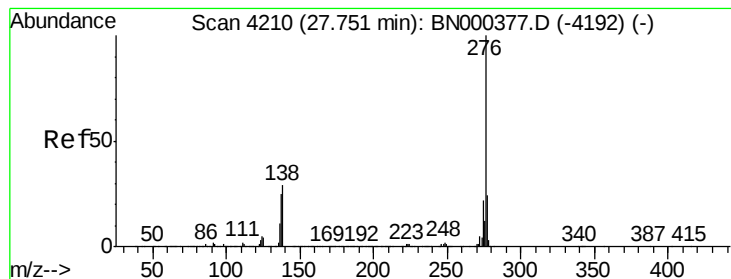


#28

Dibenzo(a,h)anthracene
Concen: 1.237 ng/ul
RT: 26.95 min Scan# 4074
Delta R.T. -0.01 min
Lab File: BN000381.D
Acq: 14 Mar 2018 19:06

Tgt Ion:278 Resp: 67556
Ion Ratio Lower Upper
278 100
139 0.0 12.2 18.4#
279 26.9 19.2 28.8





#29

Benzo(a,h,i)perylene

Concen: 3.909 ng/ul

RT: 27.74 min Scan# 4208

Delta R.T. -0.01 min

Lab File: BN000381.D

Acq: 14 Mar 2018 19:06

Instrument :

BNA_N

ClientSampleId :

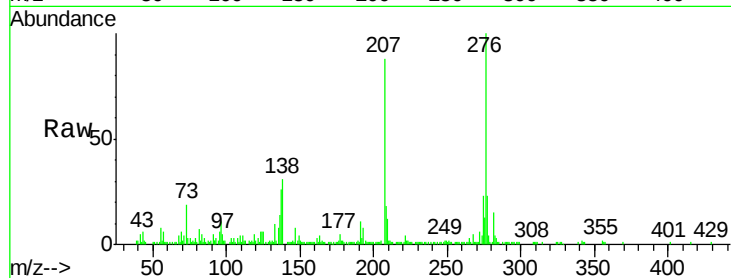
Tot Ion: 276 Resp: 217514

Ion Ratio Lower Upper

276 100

138 31.4 15.3 22.9#

277 23.3 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

