

Data Path : Z:\HPCHEM1\BNA N\DATA\BN031518\
 Data File : BN000416.D
 Acq On : 15 Mar 2018 15:24
 Operator : JU/SJ
 Sample : J1864-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Mar 16 05:45:26 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN030918MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Mar 16 05:42:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.45	152	236949	20.00	ng/ul	0.00
2) Naphthalene-d8	11.29	136	1109405	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.07	164	609514	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.79	188	1310431	20.00	ng/ul	0.00
17) Chrysene-d12	21.91	240	1063753	20.00	ng/ul	0.00
22) Perylene-d12	24.40	264	964579	20.00	ng/ul	0.00

System Monitoring Compounds

7) Acenaphthylene-d8	14.77	160	1621721	26.81	ng/ul	0.00
10) Fluorene-d10	16.05	176	1049437	25.62	ng/ul	0.00
14) Anthracene-d10	17.89	188	1586831	25.92	ng/ul	0.00
18) Pyrene-d10	20.14	212	1587257	30.50	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.24	264	1150589	26.12	ng/ul	0.00

Target Compounds

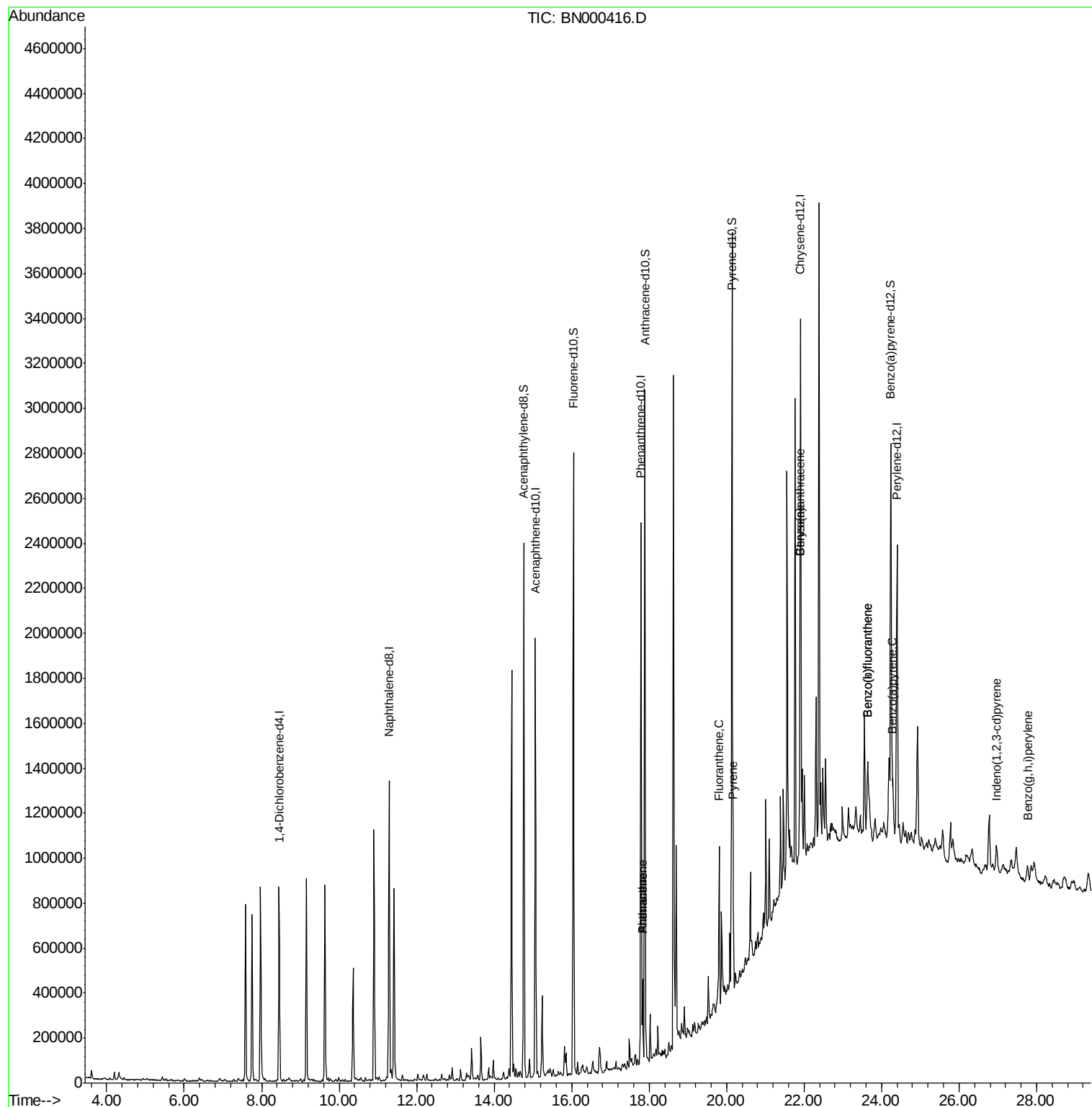
					Ovalue	
13) Phenanthrene	17.83	178	175490	2.335	ng/ul	99
15) Anthracene	17.83	178	176241	2.311	ng/ul	99
16) Fluoranthene	19.81	202	391752	4.825	ng/ul#	92
19) Pyrene	20.17	202	340055	5.063	ng/ul#	90
20) Benzo(a)anthracene	21.89	228	177443	2.683	ng/ul	94
21) Chrysene	21.89	228	181054	2.885	ng/ul	96
23) Benzo(b)fluoranthene	23.64	252	255007	4.433	ng/ul#	88
24) Benzo(k)fluoranthene	23.64	252	255007	4.736	ng/ul#	88
26) Benzo(a)pyrene	24.29	252	150614	2.751	ng/ul#	85
27) Indeno(1,2,3-cd)pyrene	26.97	276	103099	1.747	ng/ul#	78
29) Benzo(g,h,i)perylene	27.77	276	88976	1.805	ng/ul#	80

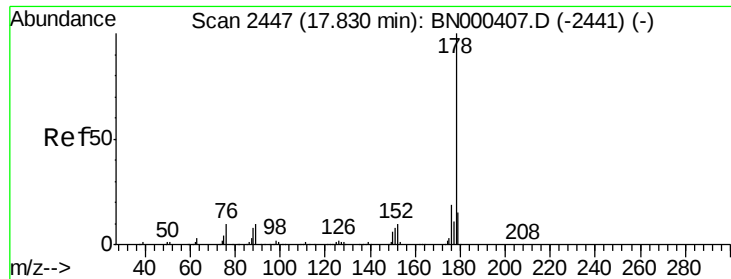
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 16 05:42:40 2018
Response via : Initial Calibration





#13

Phenanthrene

Concen: 2.335 ng/ul

RT: 17.83 min Scan# 2447

Delta R.T. 0.00 min

Lab File: BN000416.D

Acq: 15 Mar 2018 15:24

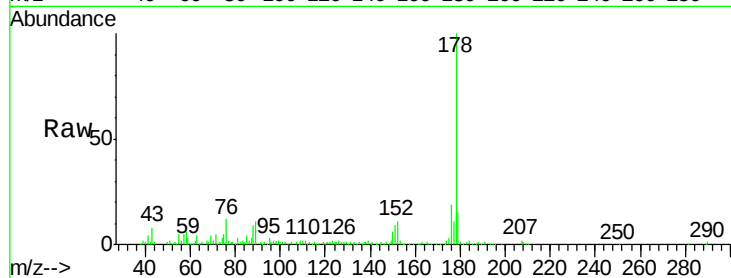
Instrument :

BNA_N

ClientSampleId :

Tot Ion:178 Resp: 175490

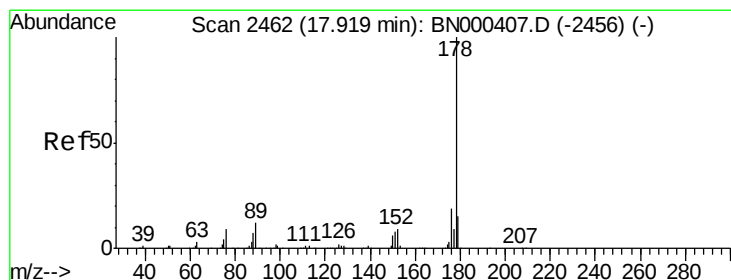
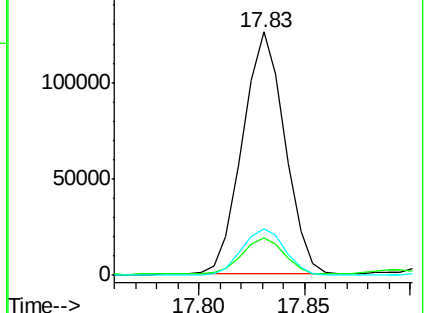
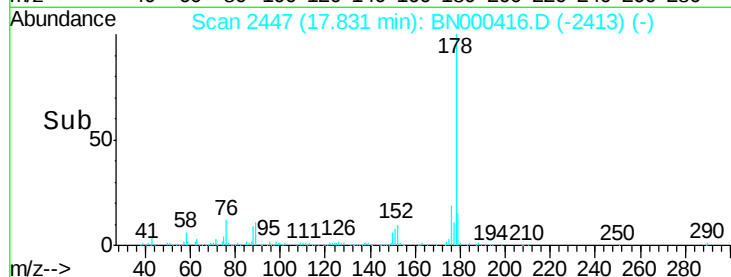
Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.3	18.5
176	19.3	15.1	22.7



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: 2.311 ng/ul

RT: 17.83 min Scan# 2447

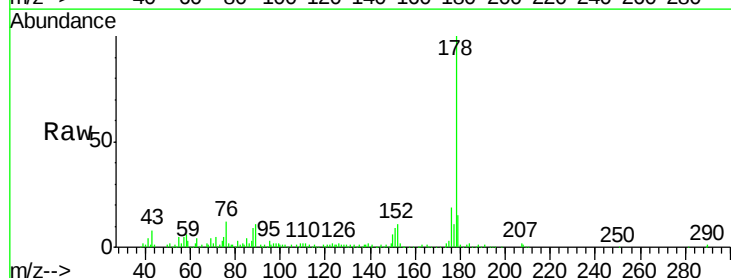
Delta R.T. -0.09 min

Lab File: BN000416.D

Acq: 15 Mar 2018 15:24

Tgt Ion:178 Resp: 176241

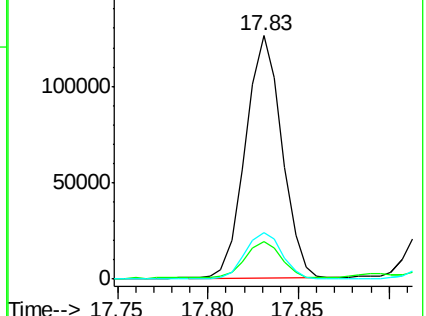
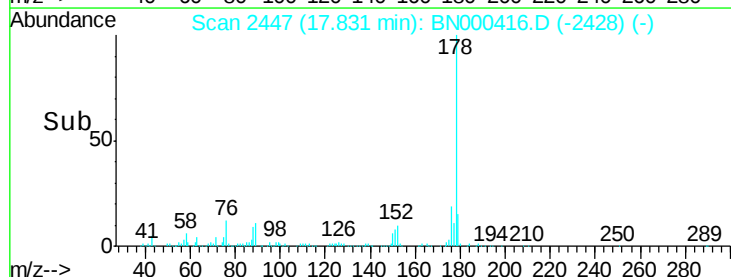
Ion	Ratio	Lower	Upper
178	100		
179	15.3	11.8	17.8
176	19.3	15.2	22.8

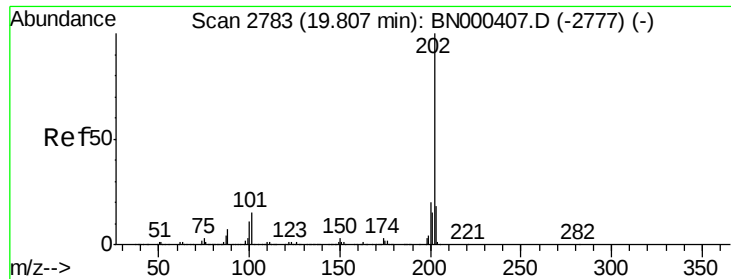


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

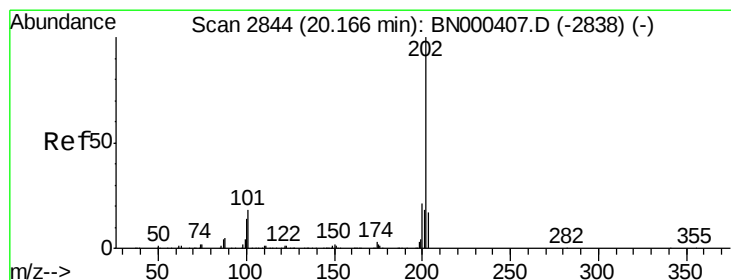
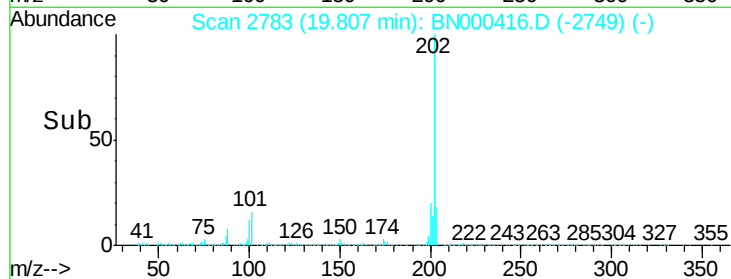
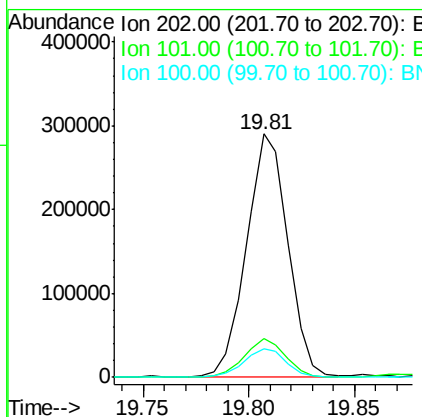
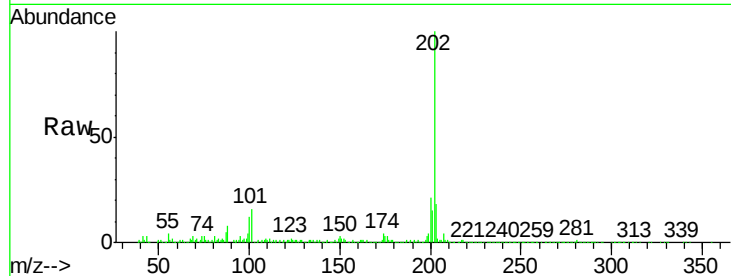




#16
 Fluoranthene
 Concen: 4.825 ng/ul
 RT: 19.81 min Scan# 2783
 Delta R.T. 0.00 min
 Lab File: BN000416.D
 Acq: 15 Mar 2018 15:24

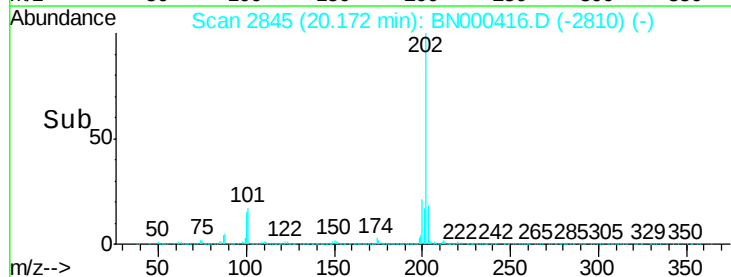
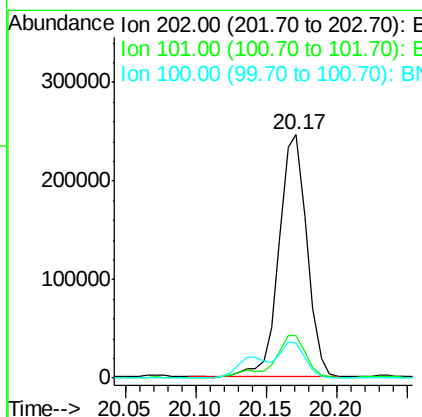
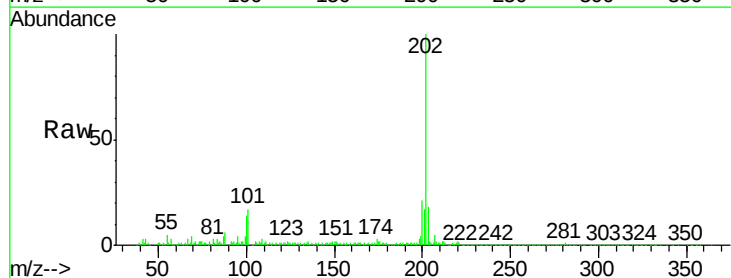
Instrument :
 BNA_N
 ClientSampleId :

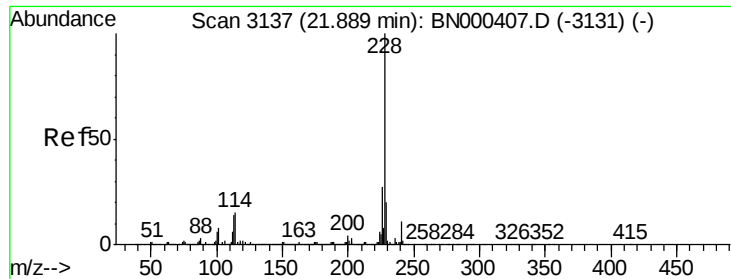
Tot Ion	Ratio	Lower	Upper
202	100		
101	16.0	9.9	14.9#
100	11.8	7.4	11.0#



#19
 Pyrene
 Concen: 5.063 ng/ul
 RT: 20.17 min Scan# 2845
 Delta R.T. 0.01 min
 Lab File: BN000416.D
 Acq: 15 Mar 2018 15:24

Tgt Ion	Ratio	Lower	Upper
202	100		
101	17.4	11.0	16.4#
100	14.5	8.1	12.1#





#20

Benzo(a)anthracene

Concen: 2.683 ng/ul

RT: 21.89 min Scan# 3137

Delta R.T. 0.00 min

Lab File: BN000416.D

Acq: 15 Mar 2018 15:24

Instrument :

BNA_N

ClientSampleId :

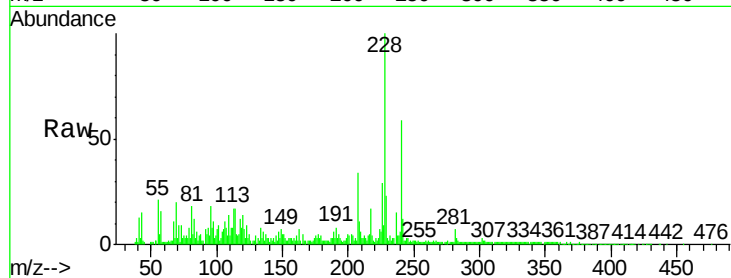
Tot Ion:228 Resp: 177443

Ion Ratio Lower Upper

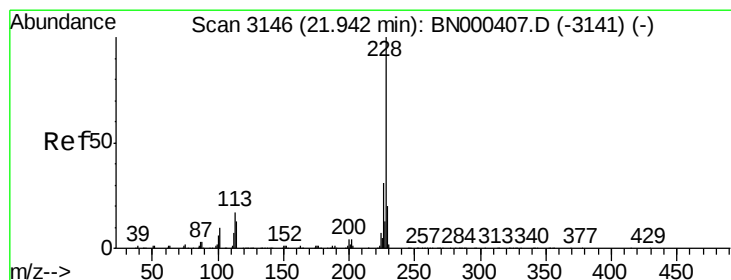
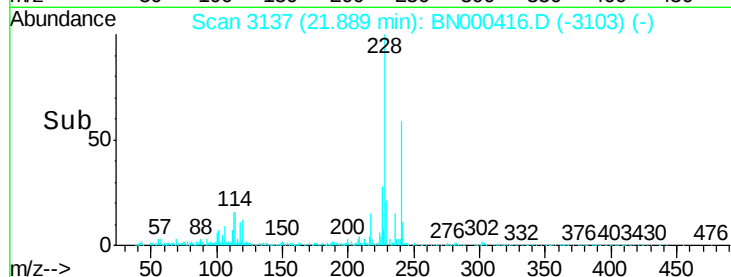
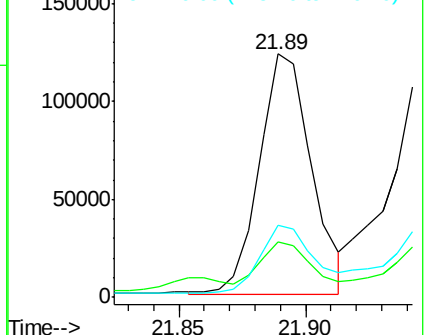
228 100

229 22.9 15.7 23.5

226 29.4 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: 2.885 ng/ul

RT: 21.89 min Scan# 3137

Delta R.T. -0.05 min

Lab File: BN000416.D

Acq: 15 Mar 2018 15:24

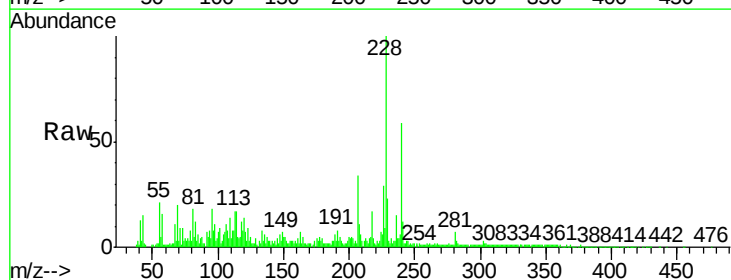
Tgt Ion:228 Resp: 181054

Ion Ratio Lower Upper

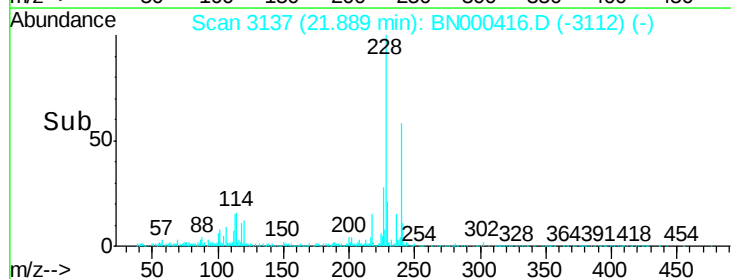
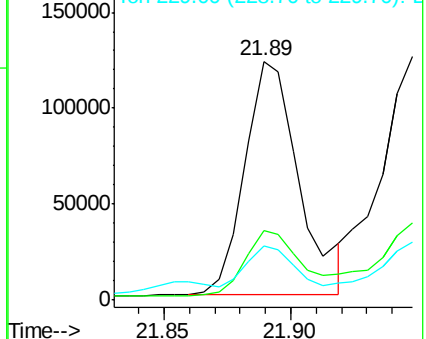
228 100

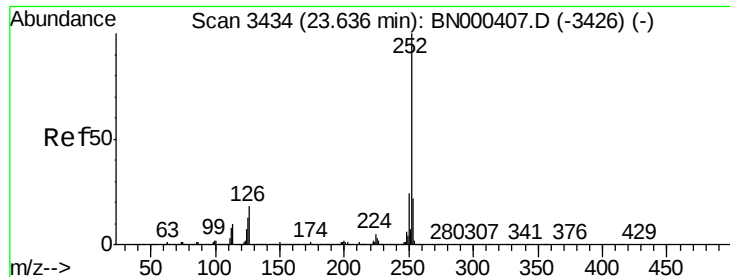
226 29.4 24.5 36.7

229 22.9 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: 4.433 ng/ul

RT: 23.64 min Scan# 3435

Delta R.T. 0.01 min

Lab File: BN000416.D

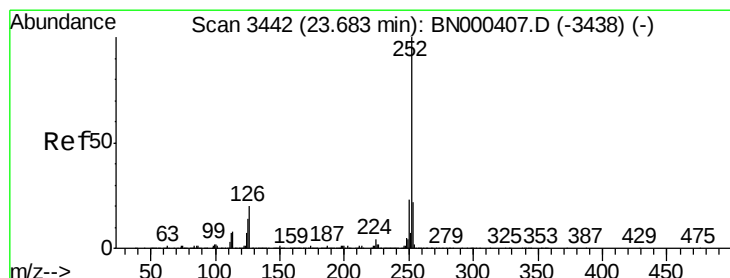
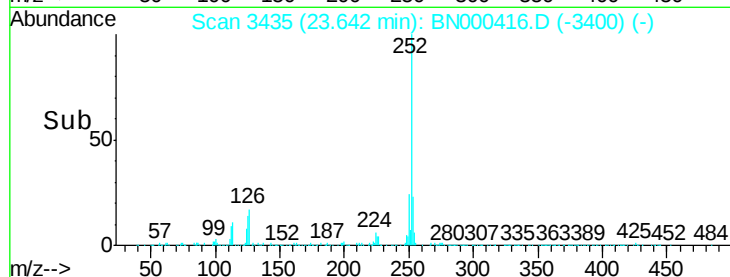
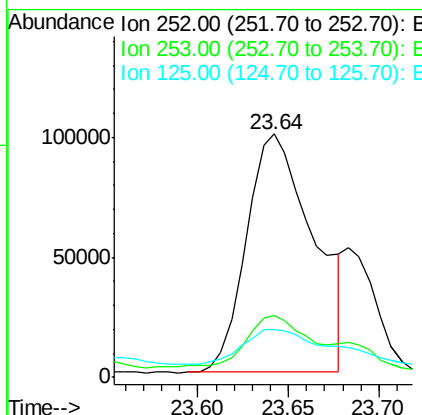
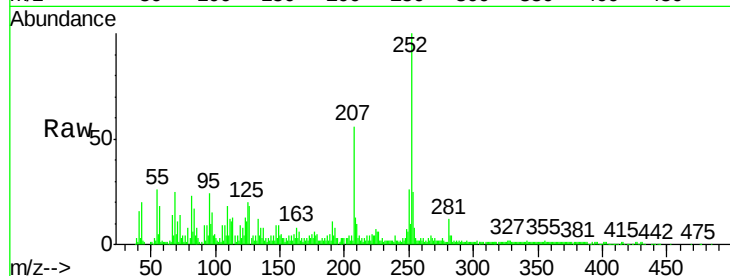
Acq: 15 Mar 2018 15:24

Instrument :

BNA_N

ClientSampleId :

Tot Ion:	252	Resp:	255007
Ion Ratio	Lower	Upper	
252	100		
253	25.2	18.0	27.0
125	19.6	8.0	12.0#



#24

Benzo(k)fluoranthene

Concen: 4.736 ng/ul

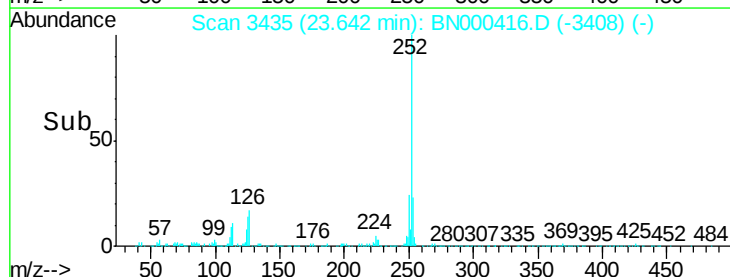
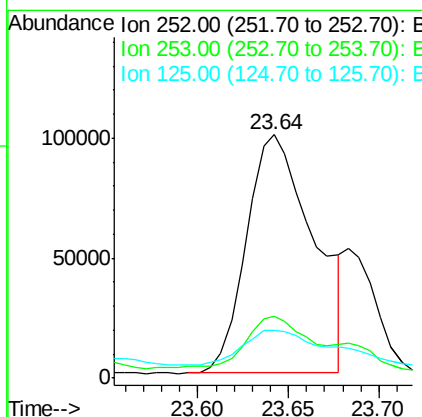
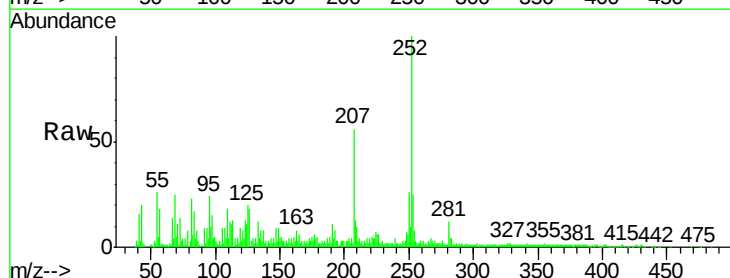
RT: 23.64 min Scan# 3435

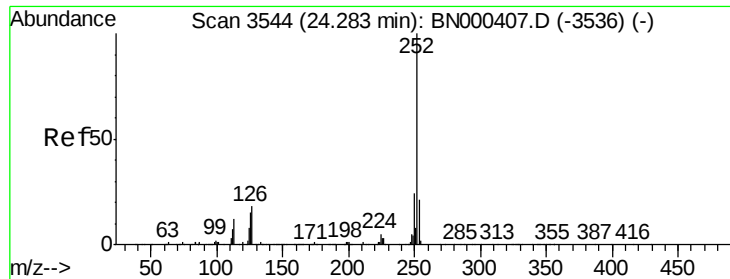
Delta R.T. -0.04 min

Lab File: BN000416.D

Acq: 15 Mar 2018 15:24

Tgt Ion:	252	Resp:	255007
Ion Ratio	Lower	Upper	
252	100		
253	25.2	18.0	27.0
125	19.6	8.1	12.1#





#26

Benzo(a)pyrene

Concen: 2.751 ng/ul

RT: 24.29 min Scan# 3545

Delta R.T. 0.01 min

Lab File: BN000416.D

Acq: 15 Mar 2018 15:24

Instrument :

BNA_N

ClientSampleId :

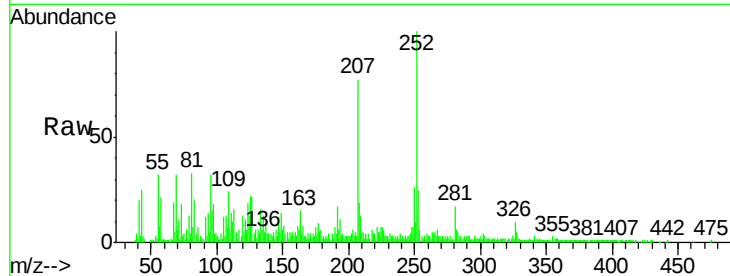
Tot Ion:252 Resp: 150614

Ion Ratio Lower Upper

252 100

253 25.0 17.2 25.8

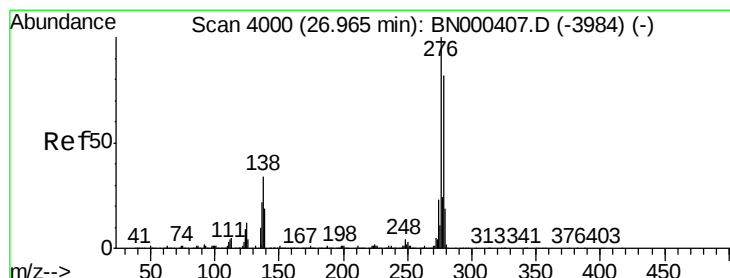
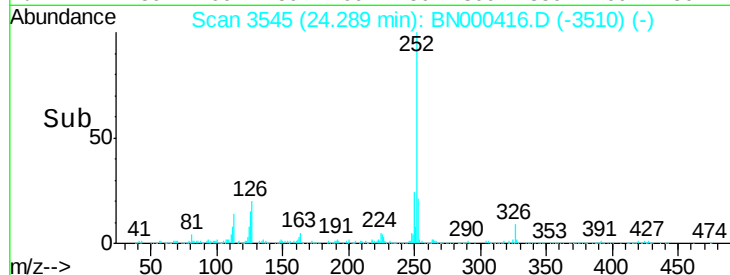
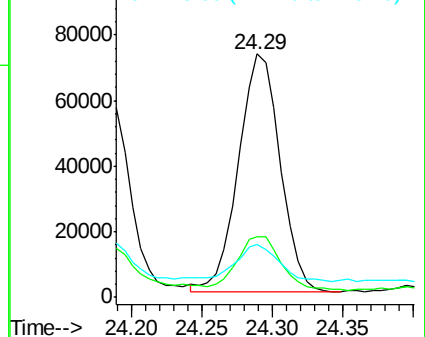
125 21.9 8.2 12.4#



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: 1.747 ng/ul

RT: 26.97 min Scan# 4001

Delta R.T. 0.01 min

Lab File: BN000416.D

Acq: 15 Mar 2018 15:24

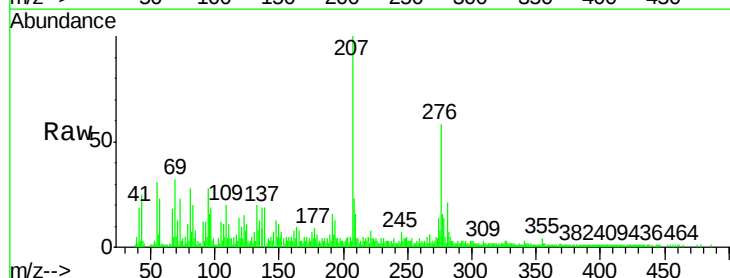
Tgt Ion:276 Resp: 103099

Ion Ratio Lower Upper

276 100

138 32.8 14.4 21.6#

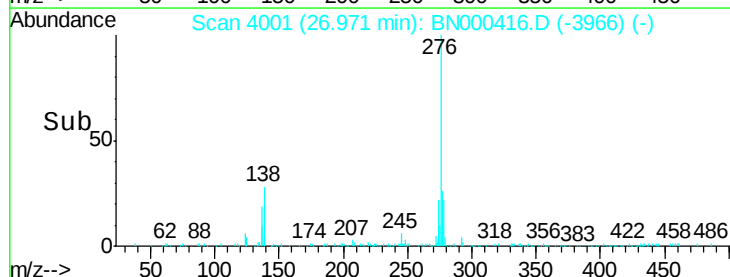
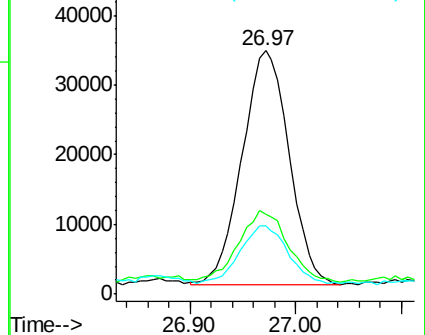
277 28.3 18.0 27.0#

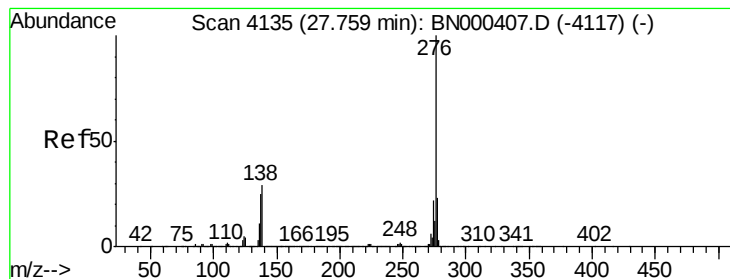


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#29

Benzo(a,h,i)perylene

Concen: 1.805 ng/ul

RT: 27.77 min Scan# 4137

Delta R.T. 0.01 min

Lab File: BN000416.D

Acq: 15 Mar 2018 15:24

Instrument :

BNA_N

ClientSampleId :

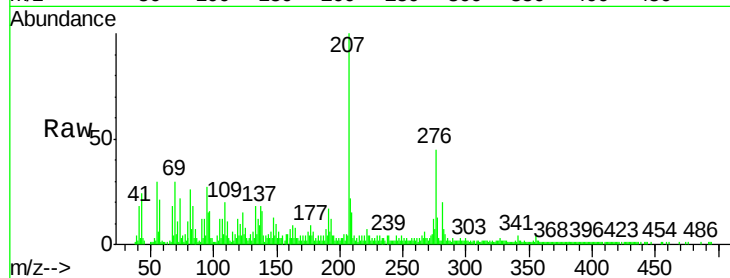
Tot Ion:276 Resp: 88976

Ion Ratio Lower Upper

276 100

138 34.7 15.3 22.9#

277 28.0 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

