

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111017\
 Data File : BM012924.D
 Acq On : 12 Nov 2017 04:16
 Operator : SJ/JU
 Sample : I6322-09
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Nov 13 02:12:12 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM111017MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Nov 13 02:06:47 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.78	152	80629	20.00	ng/ul	0.00
2) Naphthalene-d8	10.57	136	309678	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.42	164	182709	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.17	188	423656	20.00	ng/ul	0.00
17) Chrysene-d12	21.36	240	513715	20.00	ng/ul	0.00
22) Perylene-d12	23.63	264	577676	20.00	ng/ul	0.00

System Monitoring Compounds

7) Acenaphthylene-d8	14.12	160	403059	21.21	ng/ul	0.00
10) Fluorene-d10	15.42	176	293020	22.54	ng/ul	0.00
14) Anthracene-d10	17.27	188	454677	22.20	ng/ul	0.00
18) Pyrene-d10	19.56	212	510685	22.22	ng/ul	0.00
25) Benzo(a)pyrene-d12	23.49	264	613829	22.51	ng/ul	0.00

Target Compounds

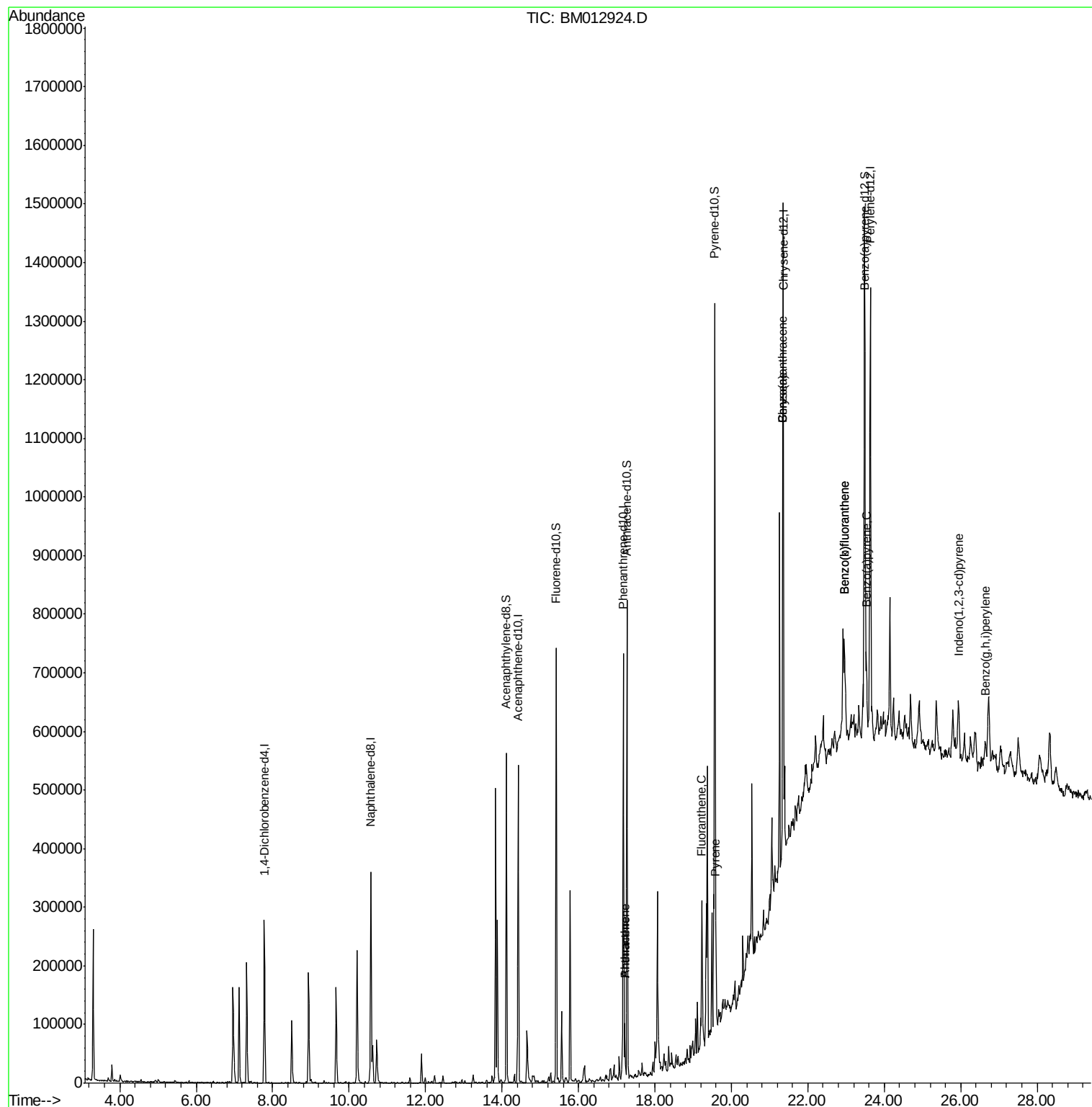
						Ovalue
13) Phenanthrene	17.22	178	55879	2.39	ng/ul	99
15) Anthracene	17.22	178	55879	2.30	ng/ul	99
16) Fluoranthene	19.23	202	123052	4.27	ng/ul#	90
19) Pyrene	19.59	202	101533	3.44	ng/ul	96
20) Benzo(a)anthracene	21.34	228	72021	2.28	ng/ul	96
21) Chrysene	21.34	228	72172	2.55	ng/ul	95
23) Benzo(b)fluoranthene	22.95	252	145907	4.25	ng/ul	95
24) Benzo(k)fluoranthene	22.95	252	145907	4.44	ng/ul	95
26) Benzo(a)pyrene	23.53	252	80977	2.43	ng/ul#	92
27) Indeno(1,2,3-cd)pyrene	25.94	276	69731	1.62	ng/ul#	89
29) Benzo(g,h,i)perylene	26.65	276	60765	1.69	ng/ul	94

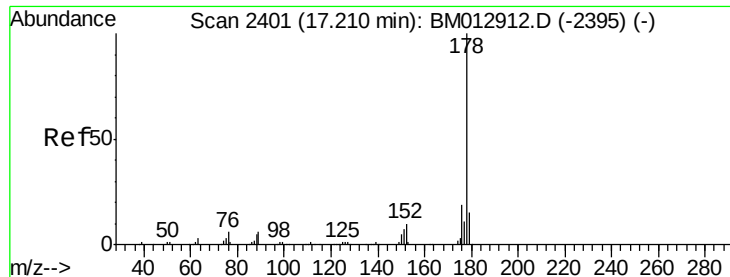
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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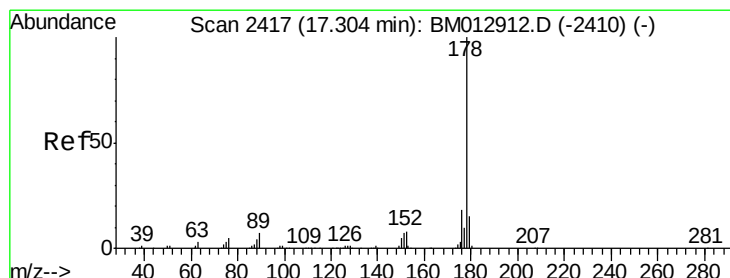
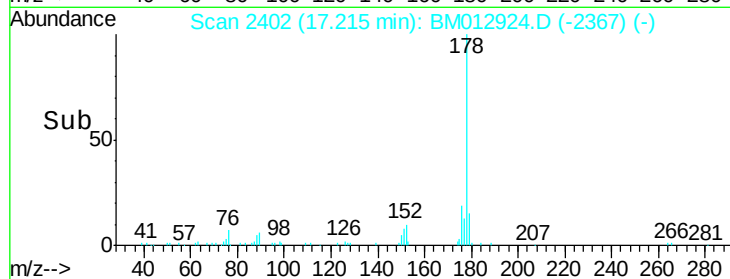
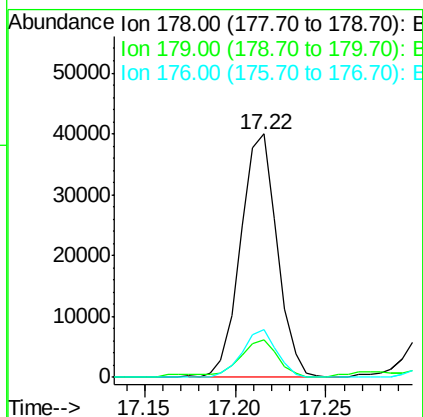
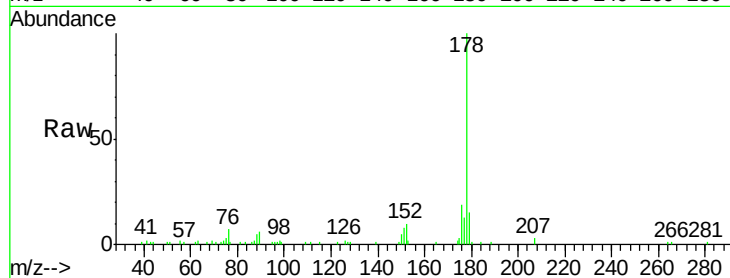




#13
Phenanthrene
Concen: 2.39 ng/ul
RT: 17.22 min Scan# 2402
Delta R.T. 0.01 min
Lab File: BM012924.D
Acq: 12 Nov 2017 04:16

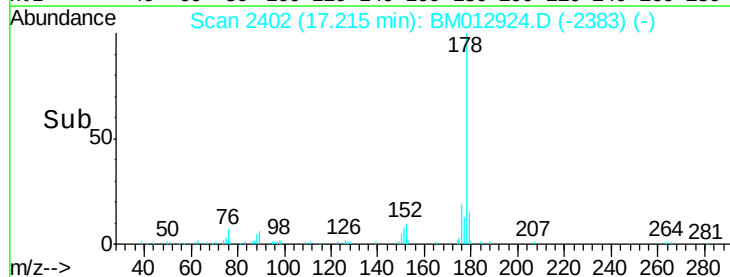
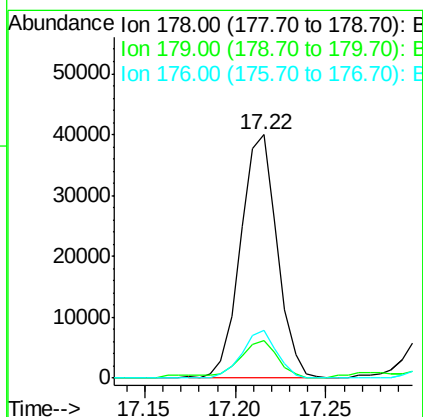
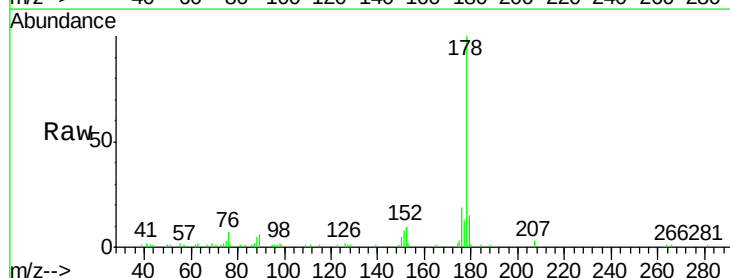
Instrument :
BNA_M
ClientSampled :

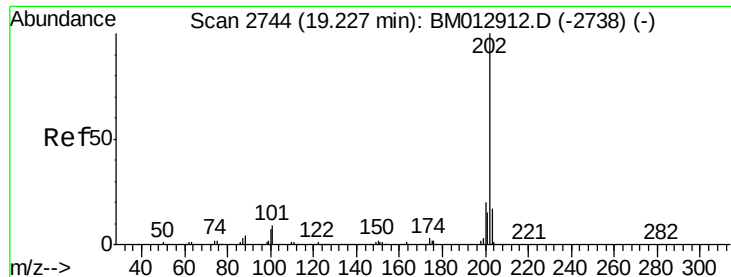
Tot Ion:178 Resp: 55879
Ion Ratio Lower Upper
178 100
179 15.2 12.3 18.5
176 19.5 15.1 22.7



#15
Anthracene
Concen: 2.30 ng/ul
RT: 17.22 min Scan# 2402
Delta R.T. -0.09 min
Lab File: BM012924.D
Acq: 12 Nov 2017 04:16

Tgt Ion:178 Resp: 55879
Ion Ratio Lower Upper
178 100
179 15.2 11.8 17.8
176 19.5 15.2 22.8

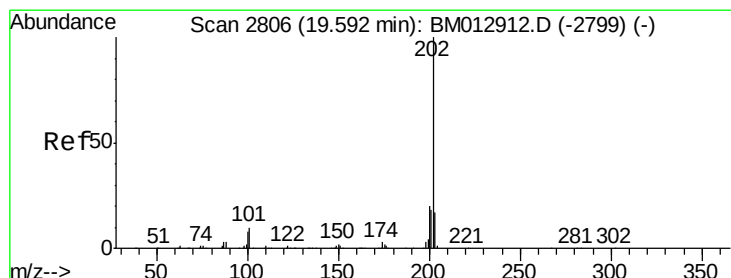
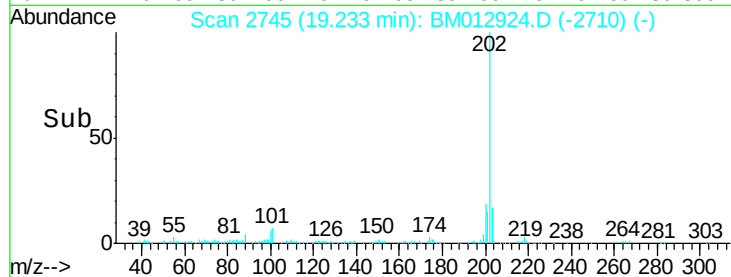
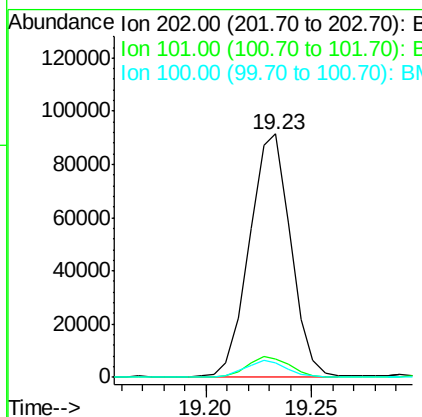
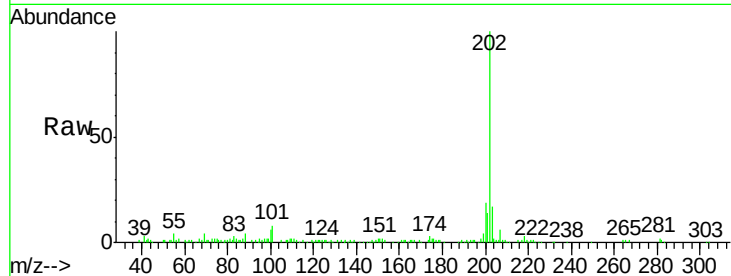




#16
Fluoranthene
 Concen: 4.27 ng/ul
 RT: 19.23 min Scan# 2745
 Delta R.T. 0.01 min
 Lab File: BM012924.D
 Acq: 12 Nov 2017 04:16

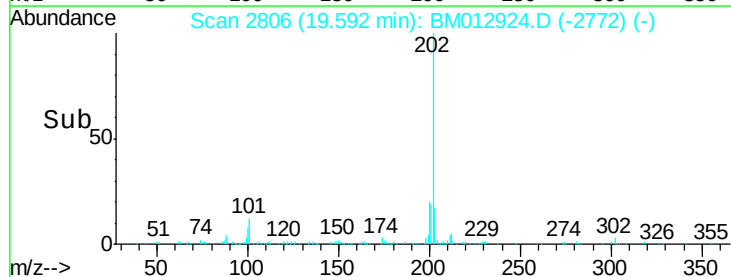
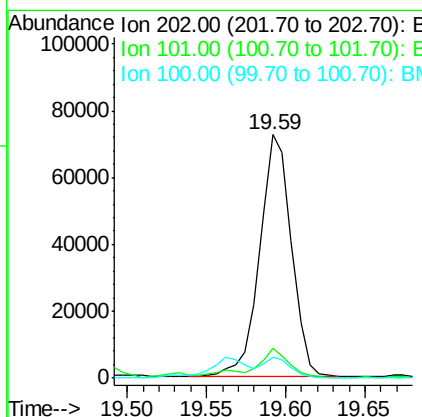
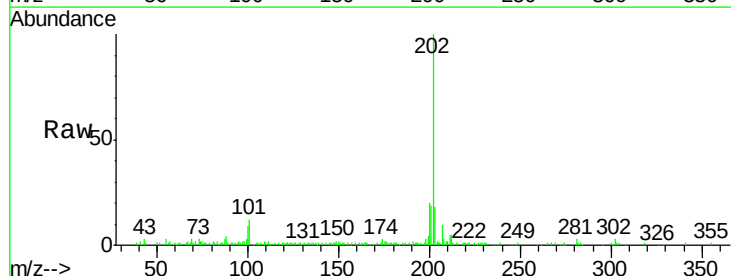
Instrument :
 BNA_M
 ClientSampleId :

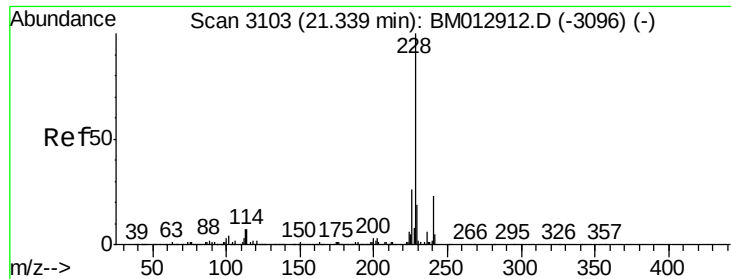
Tot Ion:	202	Resp:	123052
Ion	Ratio	Lower	Upper
202	100		
101	7.8	9.9	14.9#
100	6.1	7.4	11.0#



#19
Pyrene
 Concen: 3.44 ng/ul
 RT: 19.59 min Scan# 2806
 Delta R.T. 0.00 min
 Lab File: BM012924.D
 Acq: 12 Nov 2017 04:16

Tgt Ion:	202	Resp:	101533
Ion	Ratio	Lower	Upper
202	100		
101	12.2	11.0	16.4
100	8.7	8.1	12.1

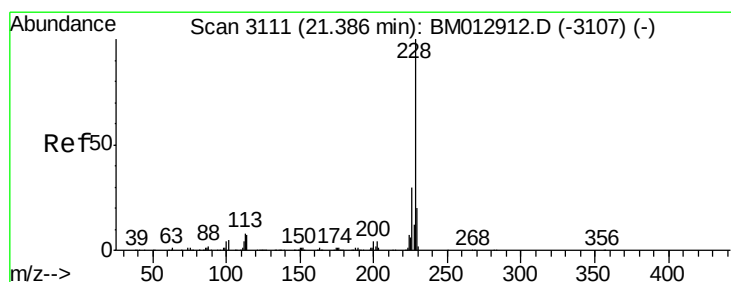
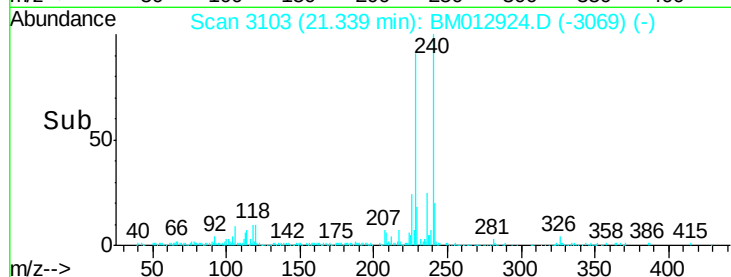
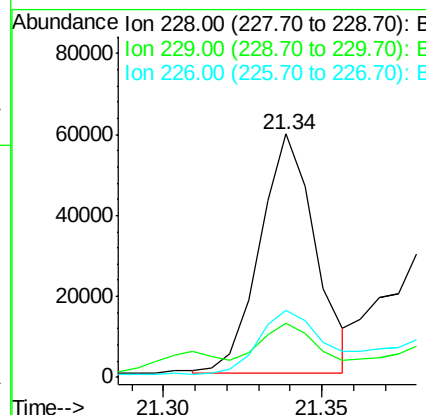
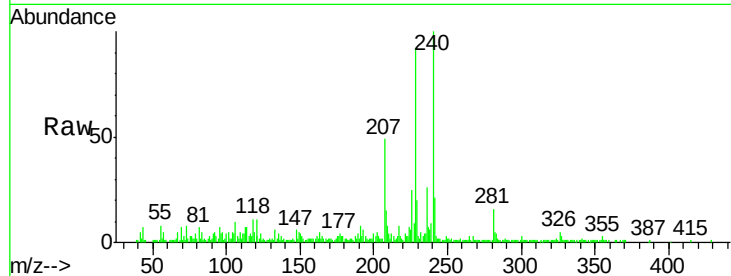




#20
Benzo(a)anthracene
Concen: 2.28 ng/ul
RT: 21.34 min Scan# 3103
Delta R.T. -0.00 min
Lab File: BM012924.D
Acq: 12 Nov 2017 04:16

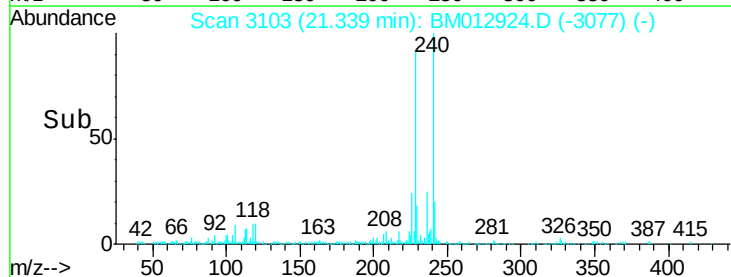
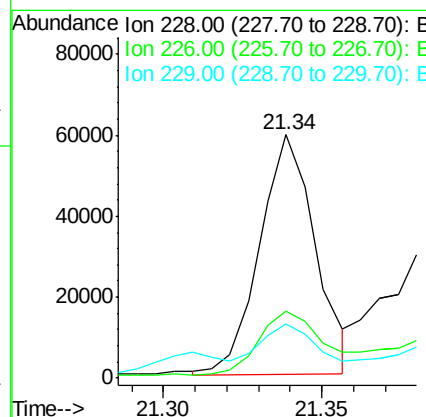
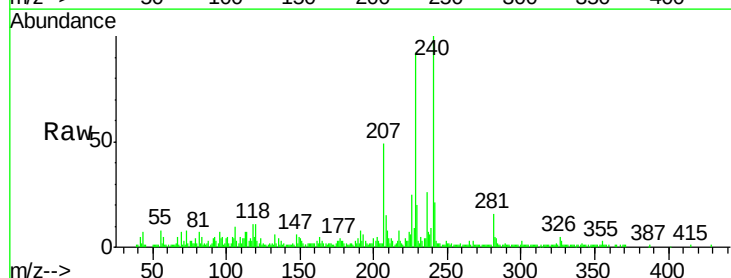
Instrument :
BNA_M
ClientSampleId :

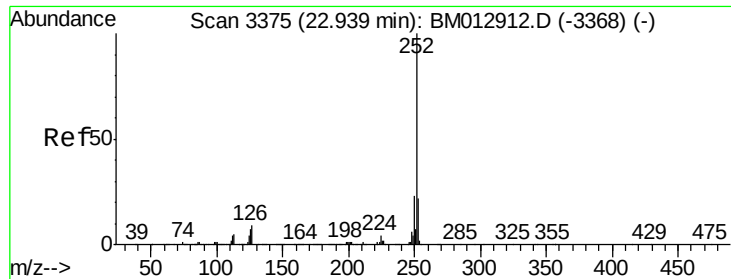
Tot Ion:228 Resp: 72021
Ion Ratio Lower Upper
228 100
229 22.2 15.7 23.5
226 27.6 21.1 31.7



#21
Chrysene
Concen: 2.55 ng/ul
RT: 21.34 min Scan# 3103
Delta R.T. -0.05 min
Lab File: BM012924.D
Acq: 12 Nov 2017 04:16

Tgt Ion:228 Resp: 72172
Ion Ratio Lower Upper
228 100
226 27.6 24.5 36.7
229 22.2 15.8 23.8





#23

Benzo(b)fluoranthene

Concen: 4.25 ng/ul

RT: 22.95 min Scan# 3377

Delta R.T. 0.01 min

Lab File: BM012924.D

Acq: 12 Nov 2017 04:16

Instrument :

BNA_M

ClientSampleId :

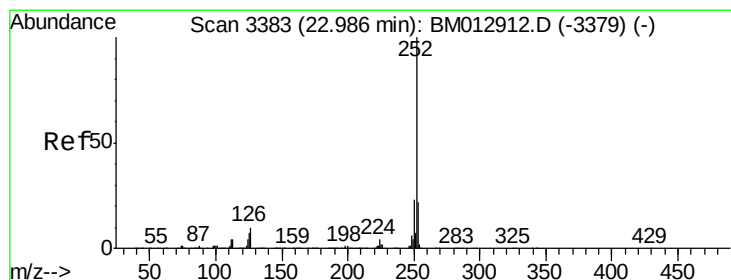
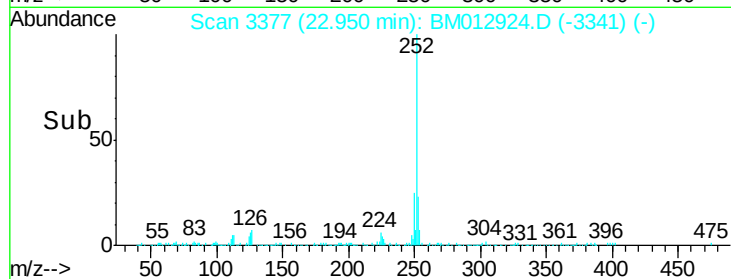
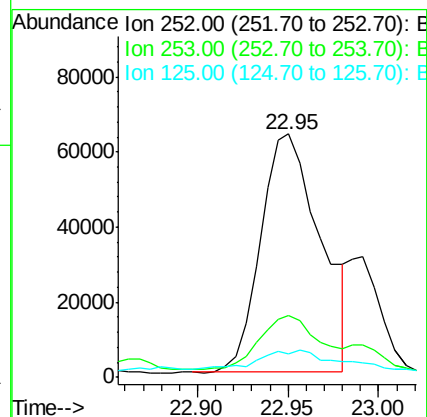
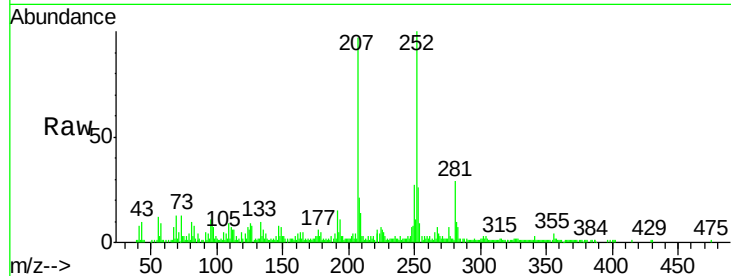
Tot Ion:252 Resp: 145907

Ion Ratio Lower Upper

252 100

253 25.5 18.0 27.0

125 9.4 8.0 12.0



#24

Benzo(k)fluoranthene

Concen: 4.44 ng/ul

RT: 22.95 min Scan# 3377

Delta R.T. -0.04 min

Lab File: BM012924.D

Acq: 12 Nov 2017 04:16

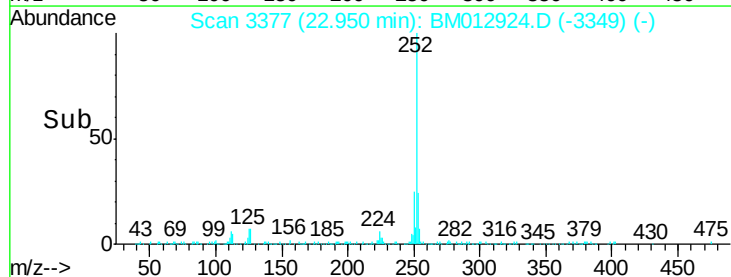
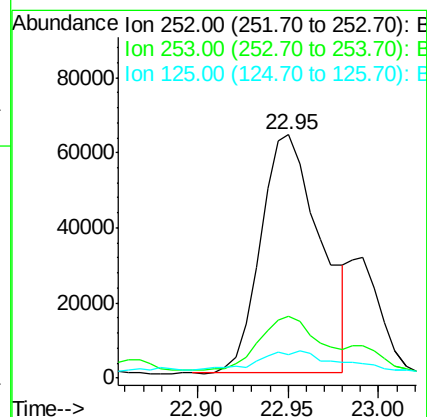
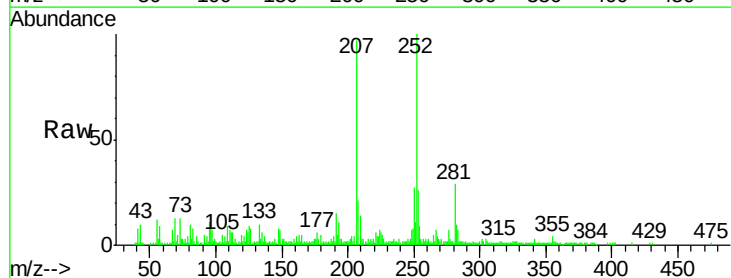
Tgt Ion:252 Resp: 145907

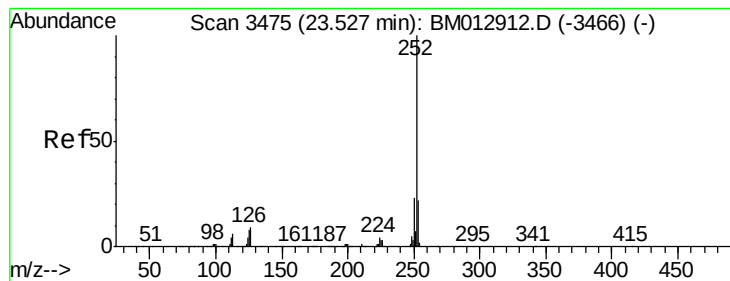
Ion Ratio Lower Upper

252 100

253 25.5 18.0 27.0

125 9.4 8.1 12.1





#26

Benzo(a)pyrene

Concen: 2.43 ng/ul

RT: 23.53 min Scan# 3476

Delta R.T. 0.01 min

Lab File: BM012924.D

Acq: 12 Nov 2017 04:16

Instrument :

BNA_M

ClientSampleId :

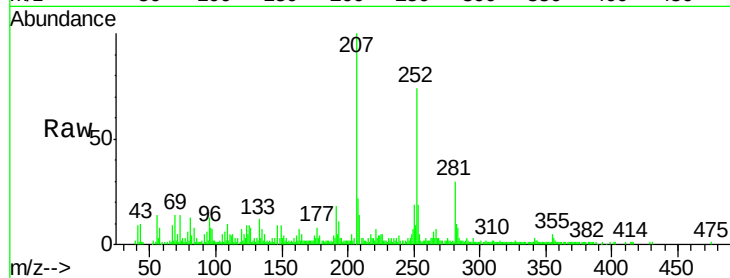
Tot Ion:252 Resp: 80977

Ion Ratio Lower Upper

252 100

253 25.9 17.2 25.8#

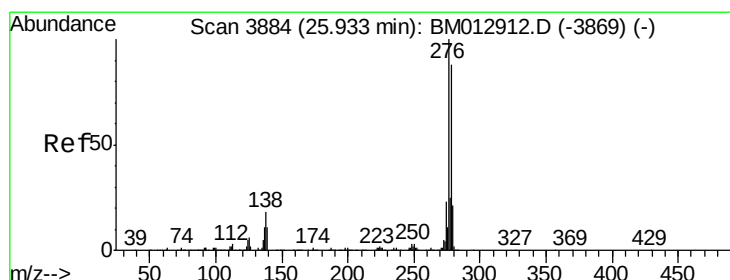
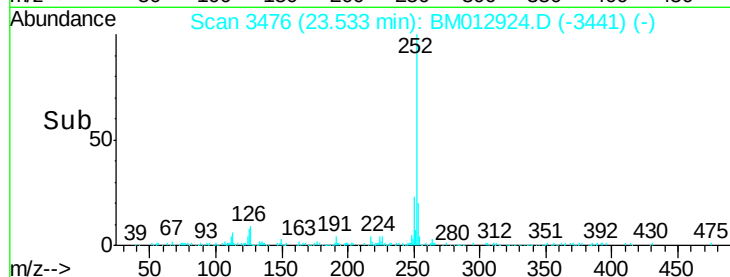
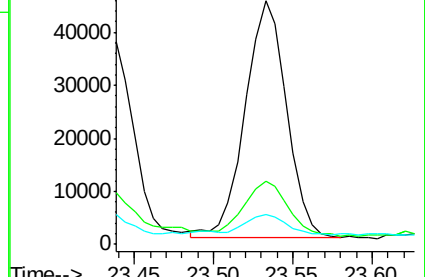
125 12.2 8.2 12.4



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: 1.62 ng/ul

RT: 25.94 min Scan# 3885

Delta R.T. 0.01 min

Lab File: BM012924.D

Acq: 12 Nov 2017 04:16

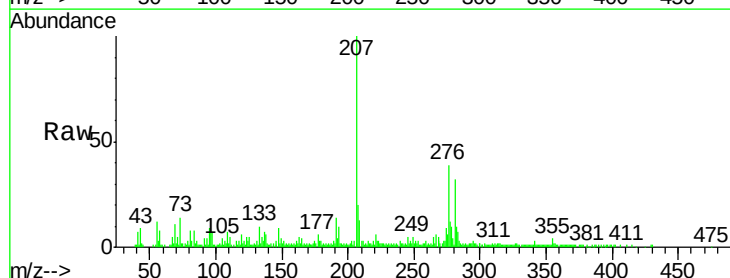
Tgt Ion:276 Resp: 69731

Ion Ratio Lower Upper

276 100

138 15.4 14.4 21.6

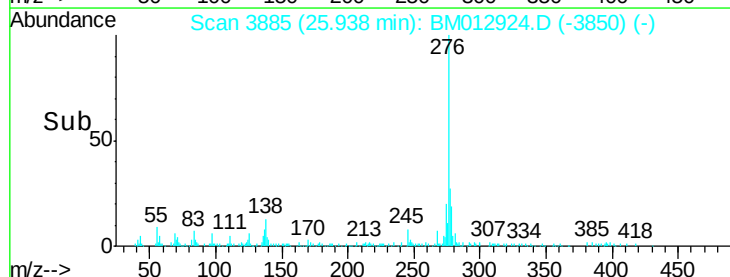
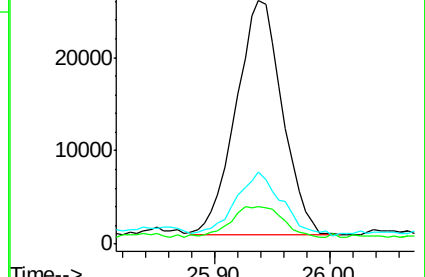
277 29.7 18.0 27.0#

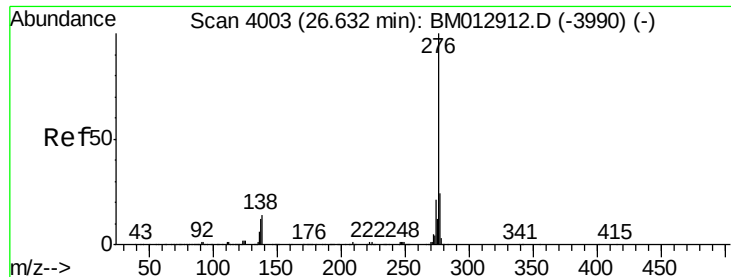


Abundance Ion 276.00 (275.70 to 276.70): E

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: 1.69 ng/ul

RT: 26.65 min Scan# 4006

Delta R.T. 0.02 min

Lab File: BM012924.D

Acq: 12 Nov 2017 04:16

Instrument :

BNA_M

ClientSampleId :

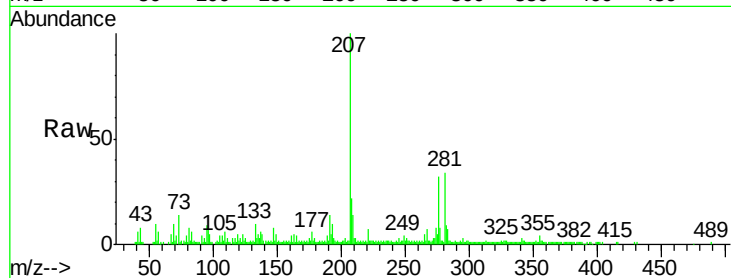
Tot Ion: 276 Resp: 60765

Ion Ratio Lower Upper

276 100

138 15.6 15.3 22.9

277 26.3 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

