

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081715\
 Data File : BM002469.D
 Acq On : 18 Aug 2015 02:04
 Operator : UM/IZ
 Sample : G3227-19
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 18 03:07:46 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 18 03:02:54 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.88	152	146520	20.00	ng/ul	0.00
2) Naphthalene-d8	11.75	136	644720	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.46	164	331533	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.17	188	634265	20.00	ng/ul	0.00
17) Chrysene-d12	22.24	240	422246	20.00	ng/ul	0.00
22) Perylene-d12	24.93	264	407291	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.16	160	748428	22.08	ng/ul	0.00
10) Fluorene-d10	16.43	176	482613	20.27	ng/ul	0.00
14) Anthracene-d10	18.26	188	623330	20.37	ng/ul	0.00
18) Pyrene-d10	20.48	212	475121	25.38	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.75	264	328339	15.35	ng/ul	0.00

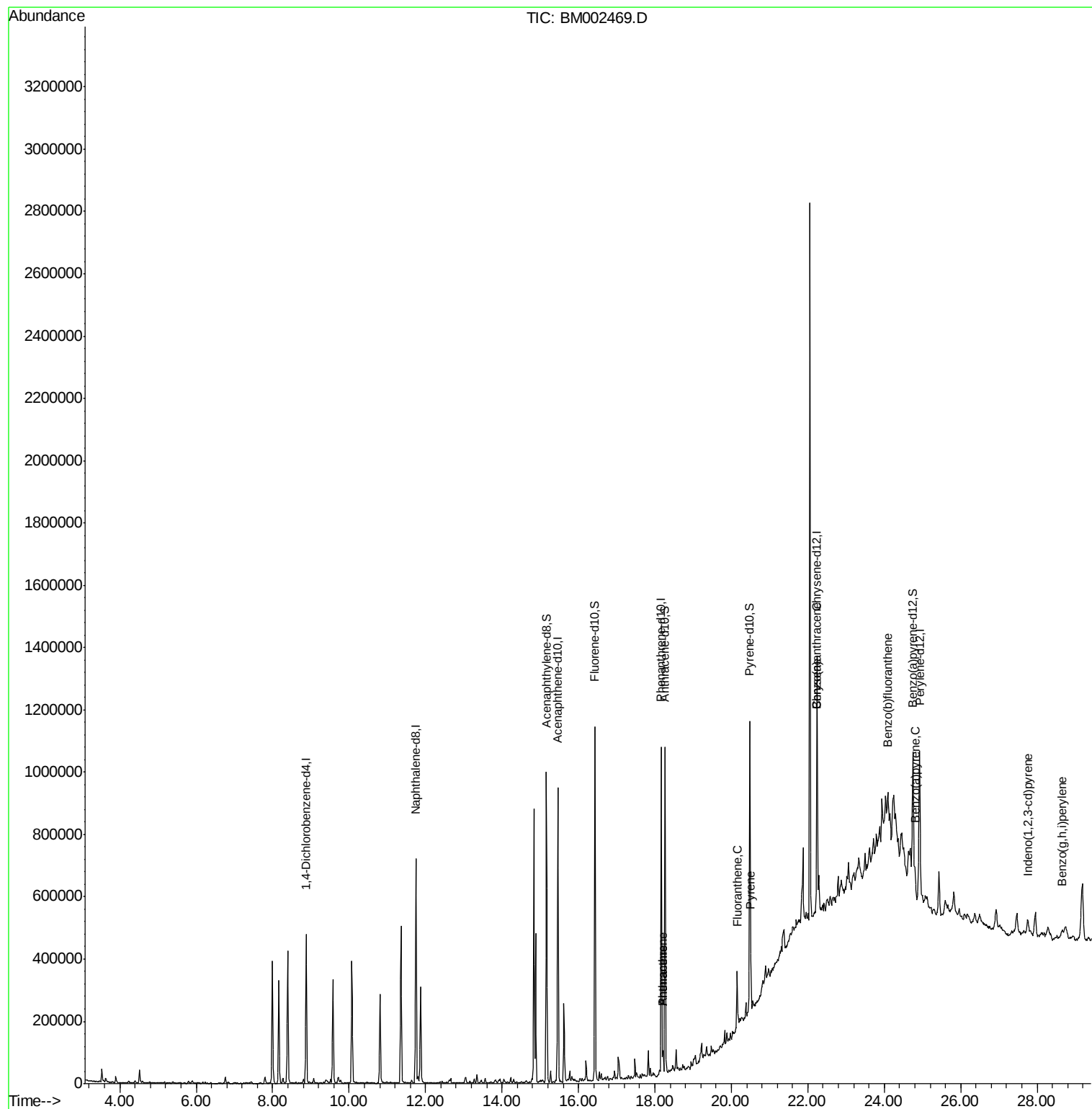
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Phenanthrene	18.21	178	46967	1.28	ng/ul	99
15) Anthracene	18.21	178	46967	1.27	ng/ul	98
16) Fluoranthene	20.15	202	111062	2.68	ng/ul	96
19) Pyrene	20.51	202	92879	3.75	ng/ul	97
20) Benzo(a)anthracene	22.23	228	52234	2.07	ng/ul	95
21) Chrysene	22.23	228	51865	2.20	ng/ul	96
23) Benzo(b)fluoranthene	24.10	252	81029	3.29	ng/ul#	86
26) Benzo(a)pyrene	24.81	252	51869	2.21	ng/ul#	84
27) Indeno(1,2,3-cd)pyrene	27.76	276	40942	1.51	ng/ul#	94
29) Benzo(g,h,i)perylene	28.64	276	36301	1.61	ng/ul#	88

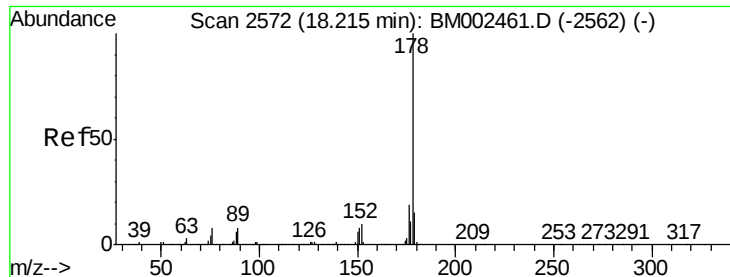
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Phenanthrene

Concen: 1.28 ng/ul

RT: 18.21 min Scan# 2571

Delta R.T. -0.01 min

Lab File: BM002469.D

Acq: 18 Aug 2015 02:04

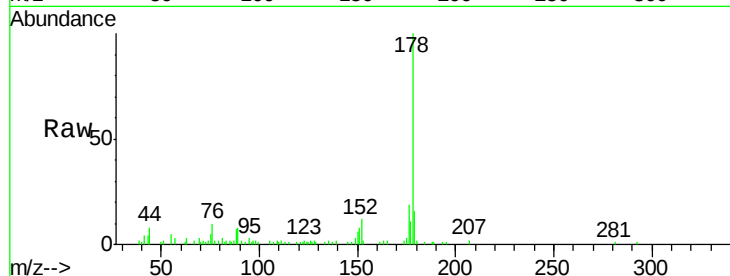
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 46967

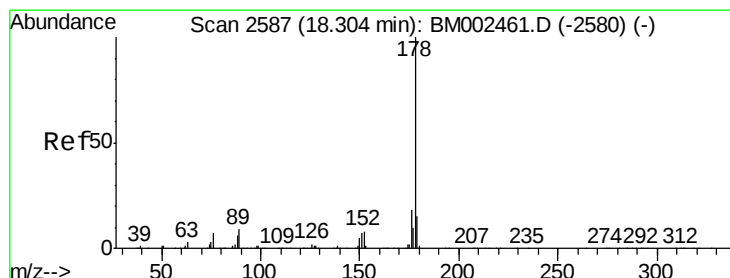
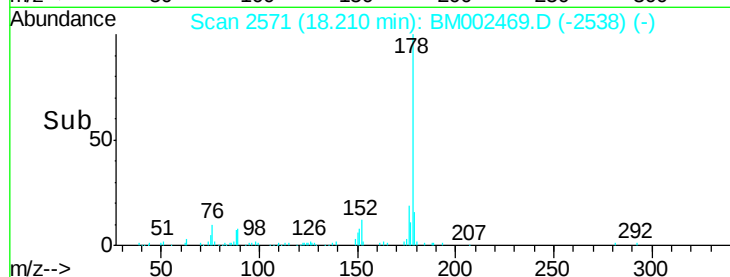
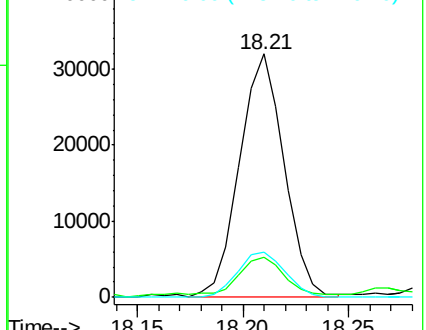
Ion	Ratio	Lower	Upper
178	100		
179	16.5	12.4	18.6
176	18.7	15.1	22.7



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: 1.27 ng/ul

RT: 18.21 min Scan# 2571

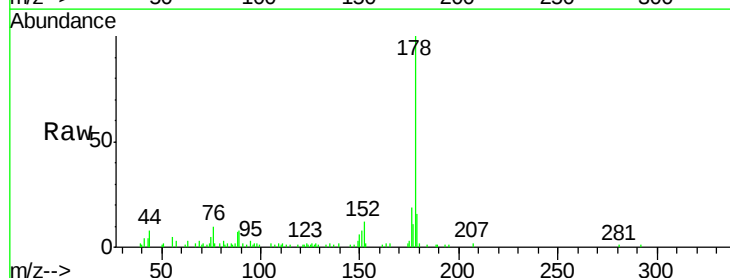
Delta R.T. -0.09 min

Lab File: BM002469.D

Acq: 18 Aug 2015 02:04

Tgt Ion:178 Resp: 46967

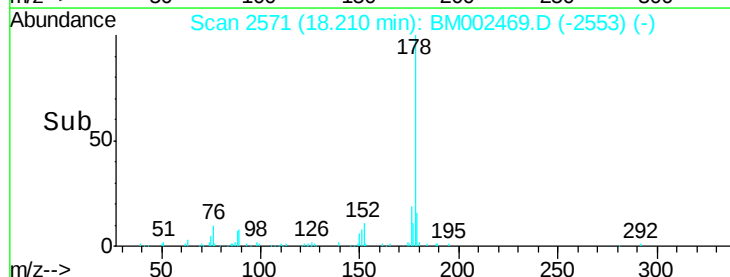
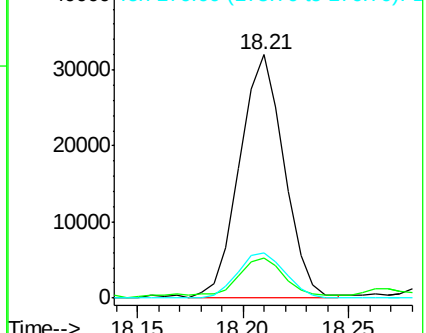
Ion	Ratio	Lower	Upper
178	100		
179	16.5	12.6	18.8
176	18.7	14.5	21.7

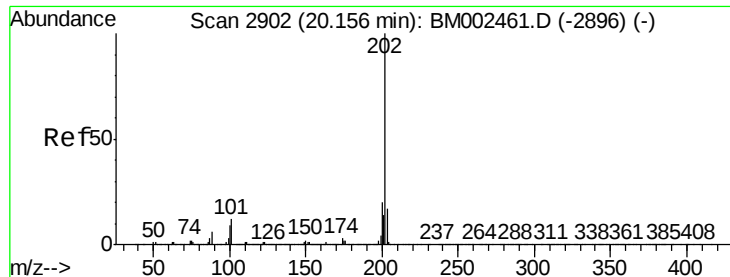


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

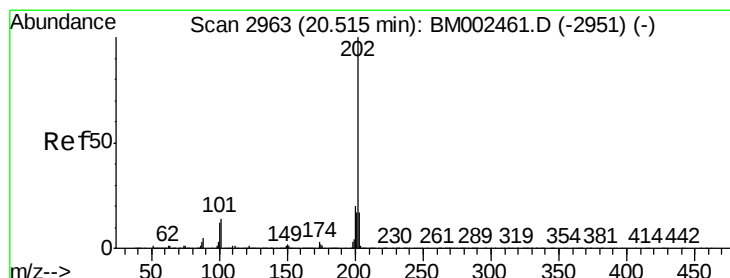
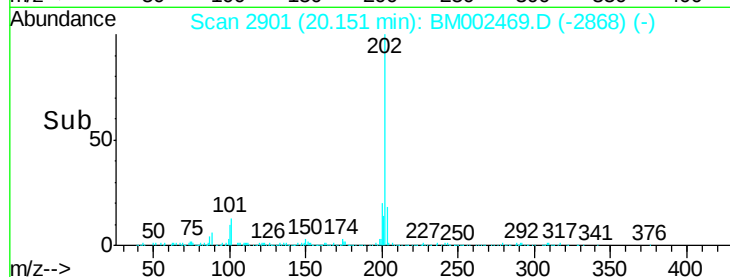
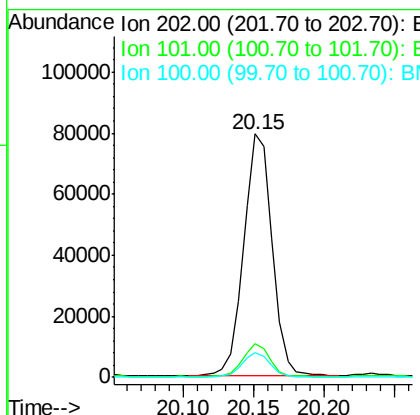
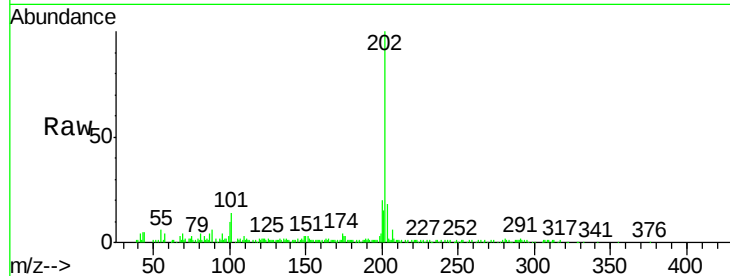




#16
 Fluoranthene
 Concen: 2.68 ng/ul
 RT: 20.15 min Scan# 2901
 Delta R.T. -0.01 min
 Lab File: BM002469.D
 Acq: 18 Aug 2015 02:04

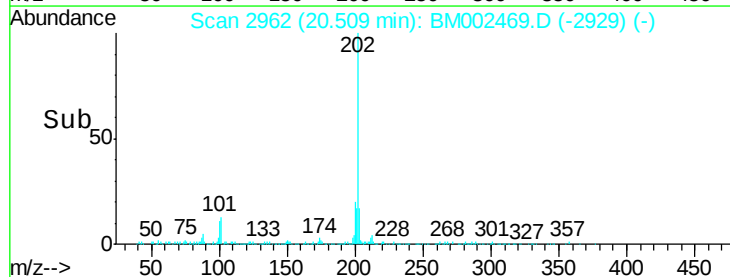
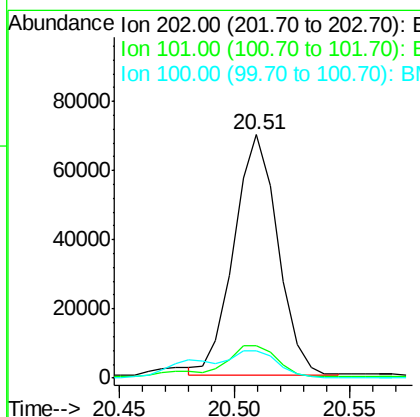
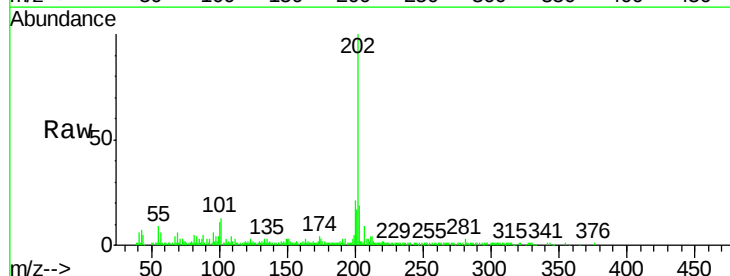
Instrument :
 BNA_M
 ClientSampled :

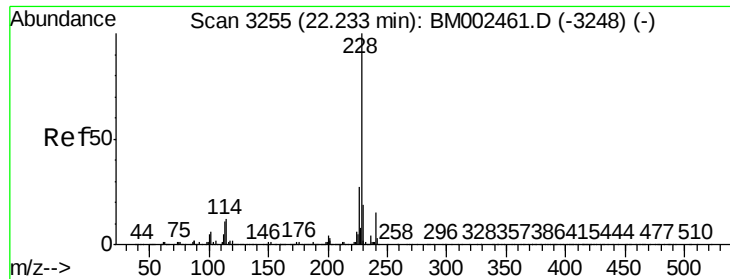
Tot Ion	Ratio	Lower	Upper
202	100		
101	13.7	9.7	14.5
100	10.3	7.4	11.2



#19
 Pyrene
 Concen: 3.75 ng/ul
 RT: 20.51 min Scan# 2962
 Delta R.T. -0.01 min
 Lab File: BM002469.D
 Acq: 18 Aug 2015 02:04

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.4	12.0	18.0
100	11.0	9.7	14.5





#20

Benzo(a)anthracene

Concen: 2.07 ng/ul

RT: 22.23 min Scan# 3254

Delta R.T. -0.01 min

Lab File: BM002469.D

Acq: 18 Aug 2015 02:04

Instrument :

BNA_M

ClientSampleId :

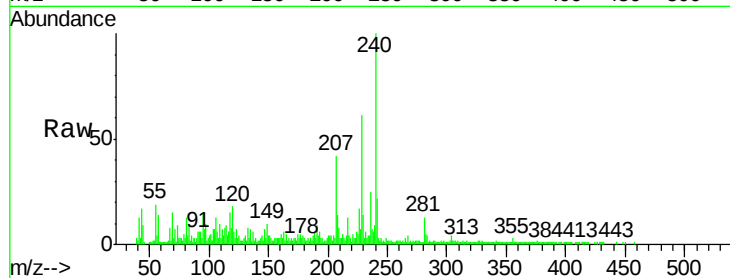
Tot Ion:228 Resp: 52234

Ion Ratio Lower Upper

228 100

229 22.8 15.8 23.6

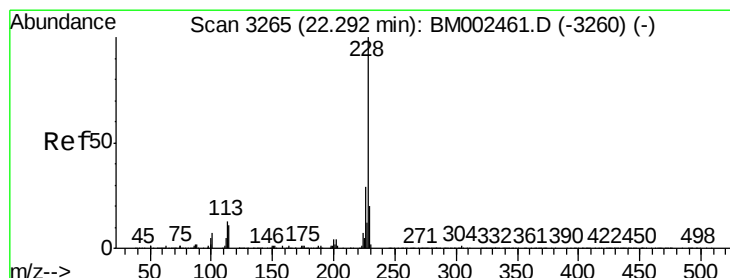
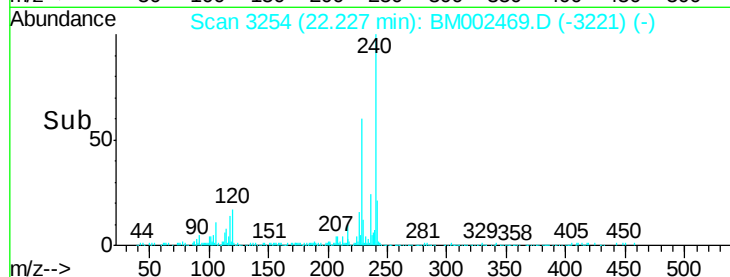
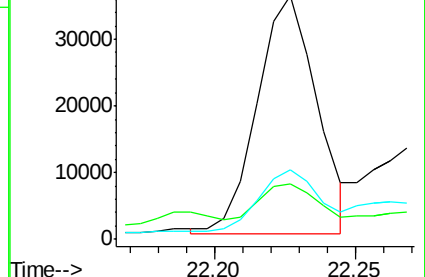
226 28.6 21.1 31.7



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: 2.20 ng/ul

RT: 22.23 min Scan# 3254

Delta R.T. -0.06 min

Lab File: BM002469.D

Acq: 18 Aug 2015 02:04

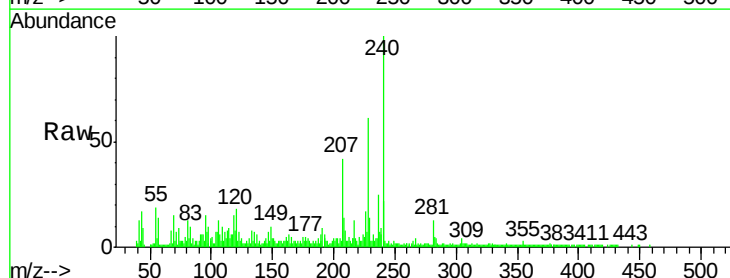
Tgt Ion:228 Resp: 51865

Ion Ratio Lower Upper

228 100

226 28.6 23.4 35.2

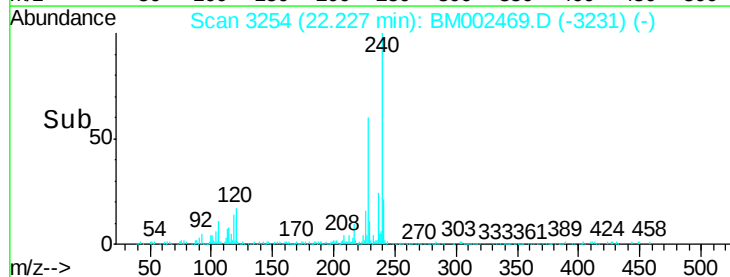
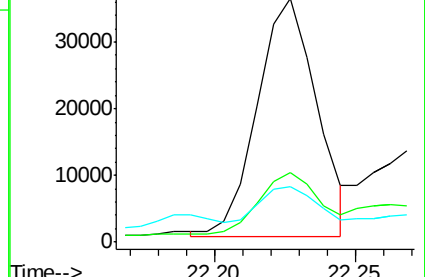
229 22.8 15.7 23.5

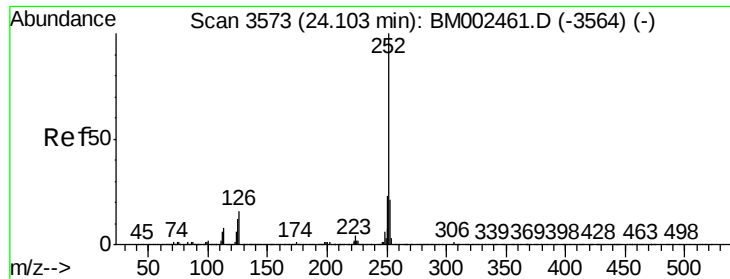


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 3.29 ng/ul

RT: 24.10 min Scan# 3572

Delta R.T. -0.01 min

Lab File: BM002469.D

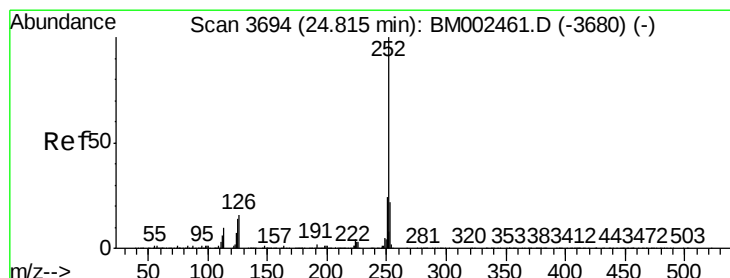
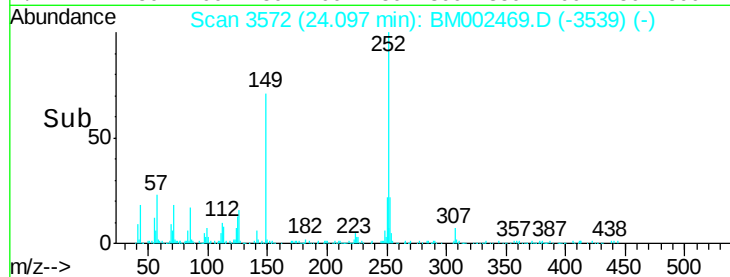
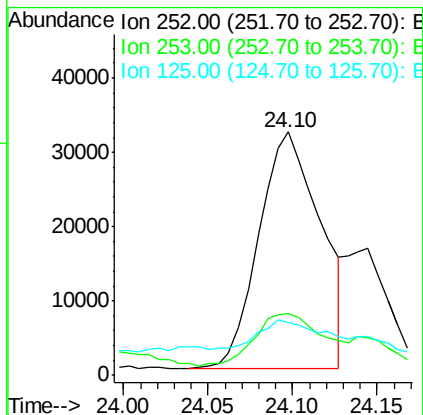
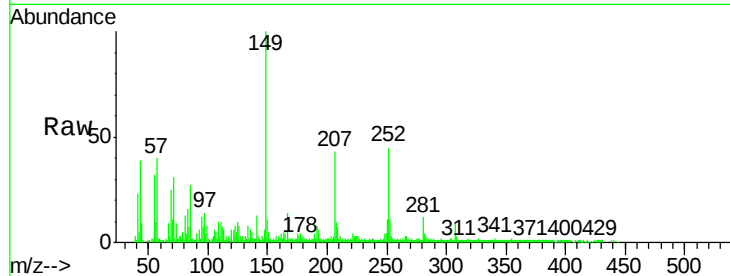
Acq: 18 Aug 2015 02:04

Instrument :

BNA_M

ClientSampleId :

Tot Ion:252	Resp:	81029
Ion Ratio	Lower	Upper
252	100	
253	25.4	17.4 26.0
125	21.9	10.0 15.0#



#26

Benzo(a)pyrene

Concen: 2.21 ng/ul

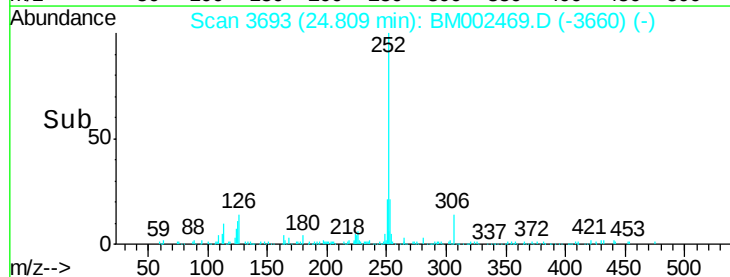
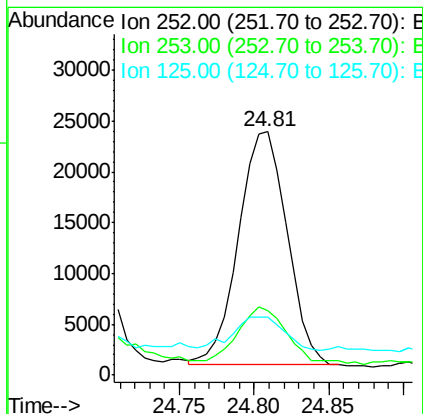
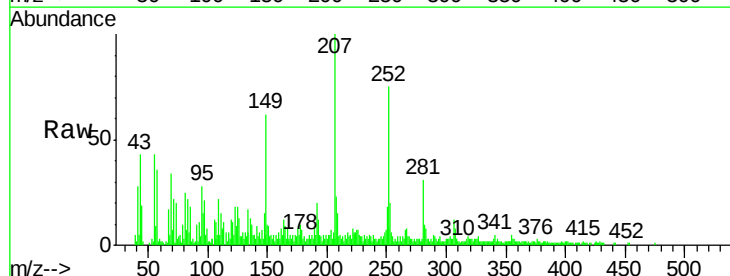
RT: 24.81 min Scan# 3693

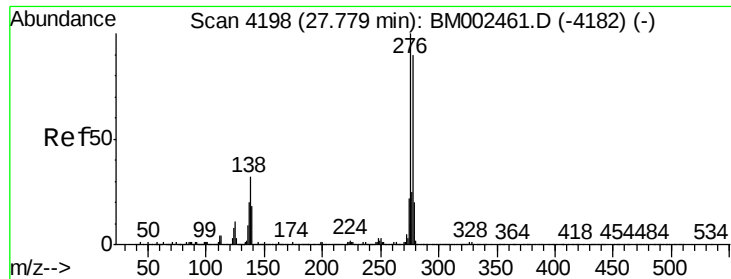
Delta R.T. -0.01 min

Lab File: BM002469.D

Acq: 18 Aug 2015 02:04

Tgt Ion:252	Resp:	51869
Ion Ratio	Lower	Upper
252	100	
253	26.5	17.6 26.4#
125	23.8	10.7 16.1#

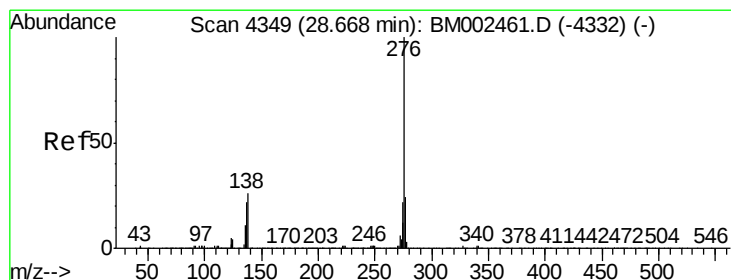
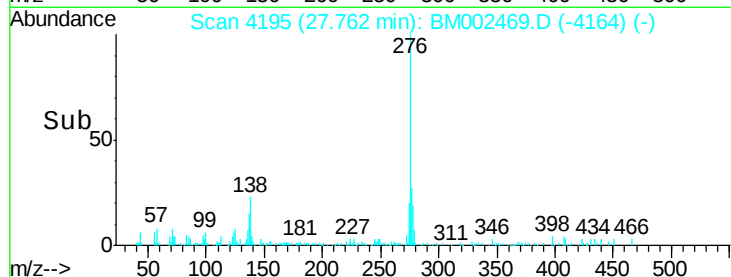
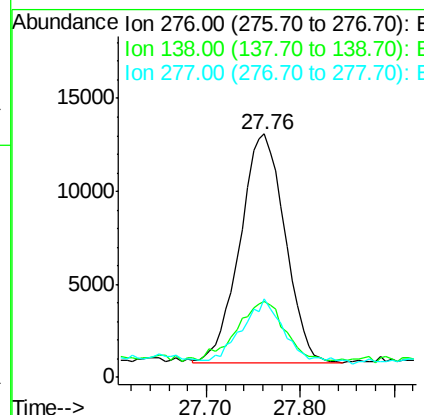
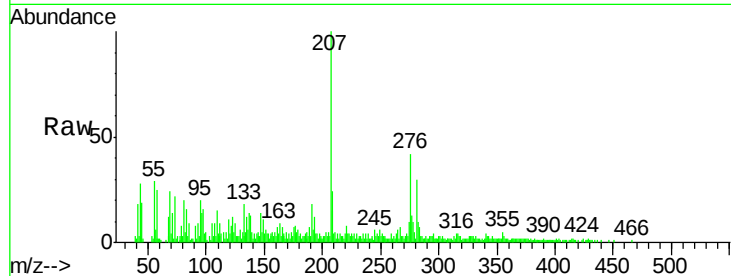




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 1.51 ng/ul
 RT: 27.76 min Scan# 4195
 Delta R.T. -0.02 min
 Lab File: BM002469.D
 Acq: 18 Aug 2015 02:04

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	31.3	25.3	37.9
277	32.1	20.2	30.2



#29
 Benzo(g,h,i)perylene
 Concen: 1.61 ng/ul
 RT: 28.64 min Scan# 4345
 Delta R.T. -0.02 min
 Lab File: BM002469.D
 Acq: 18 Aug 2015 02:04

Tgt Ion	Ratio	Lower	Upper
276	100		
138	32.4	21.0	31.6
277	30.4	19.2	28.8

