

Data Path : Z:\HPCHEM1\BNA M\DATA\BM112316\
 Data File : BM008069.D
 Acq On : 24 Nov 2016 12:06
 Operator : UM/SJ
 Sample : H5701-11MSD
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4WD7MSD

Manual Integrations
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Quant Time: Nov 25 02:27:17 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 25 01:27:01 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	688	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.49	136	2392	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.35	164	1501	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.09	188	2959m	0.40	ng/ul	-0.02
16) Chrysene-d12	21.28	240	3142	0.40	ng/ul	-0.01
20) Perylene-d12	23.52	264	2898	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.08	152	596	0.18	ng/ul	-0.02
14) Fluoranthene-d10	19.13	212	1542m	0.18	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.54	128	37901	5.67	ng/ul#	93
5) 2-Methylnaphthalene	12.15	142	9973	2.31	ng/ul	99
7) Acenaphthylene	14.06	152	6791	1.00	ng/ul	99
8) Acenaphthene	14.40	153	28703	5.55	ng/ul	97
9) Fluorene	15.39	166	34834	5.86	ng/ul#	86
11) Pentachlorophenol	16.76	266	172	0.17	ng/ul	91
12) Phenanthrene	17.12	178	369153	40.06	ng/ul	95
13) Anthracene	17.23	178	102858	11.89	ng/ul#	92
15) Fluoranthene	19.16	202	443567	37.29	ng/ul	93
17) Pyrene	19.52	202	377137	34.58	ng/ul	96
18) Benzo(a)anthracene	21.26	228	222390	23.06	ng/ul	96
19) Chrysene	21.31	228	168160	14.02	ng/ul	94
21) Benzo(b)fluoranthene	22.85	252	222279m	19.22	ng/ul	
22) Benzo(k)fluoranthene	22.89	252	73279m	6.14	ng/ul	
23) Benzo(a)pyrene	23.42	252	161554	14.91	ng/ul#	75
24) Indeno(1,2,3-cd)pyrene	25.77	276	96868	7.23	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.78	278	26715	2.49	ng/ul#	90
26) Benzo(g,h,i)perylene	26.46	276	79868	6.72	ng/ul#	88

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

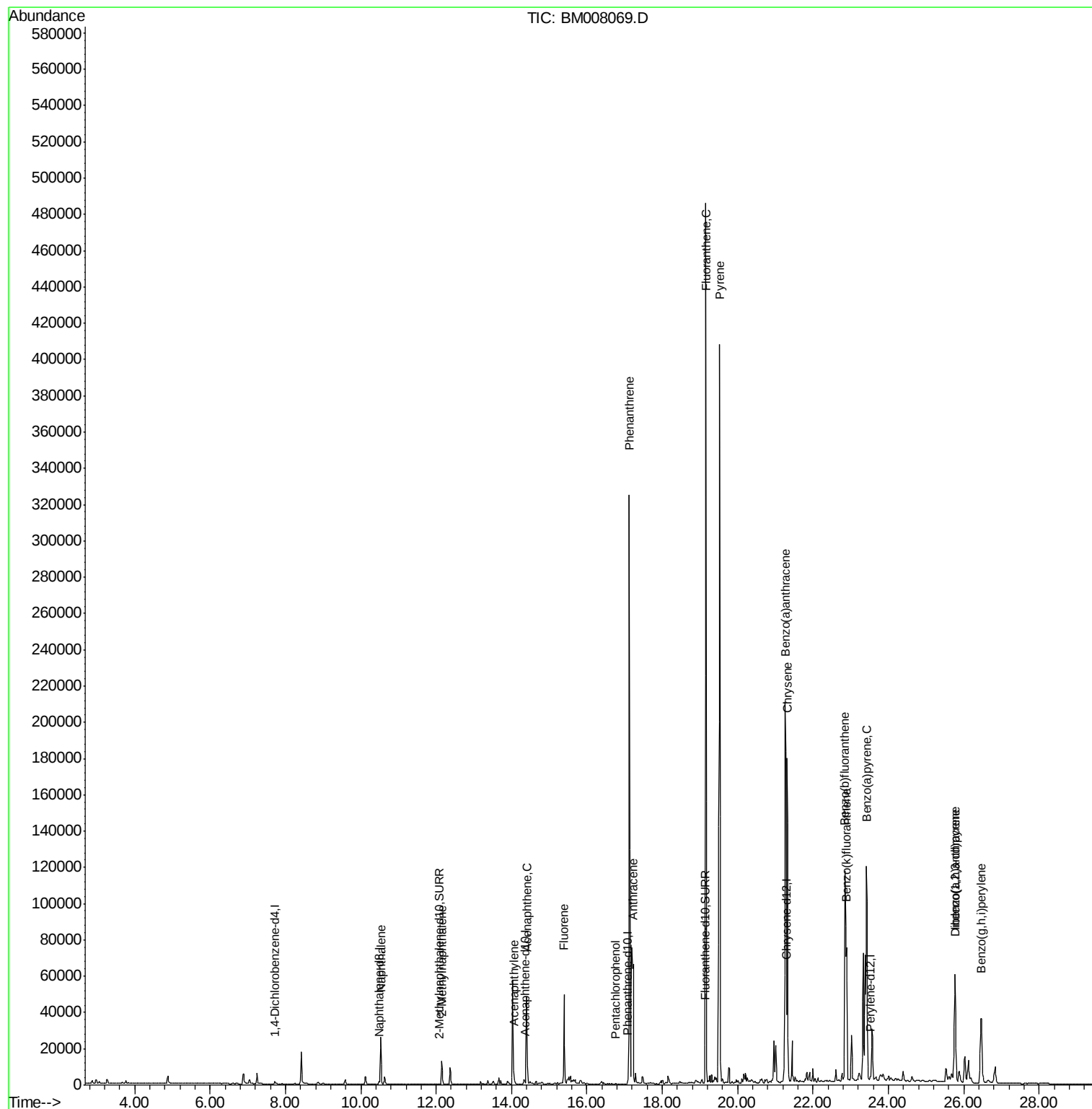
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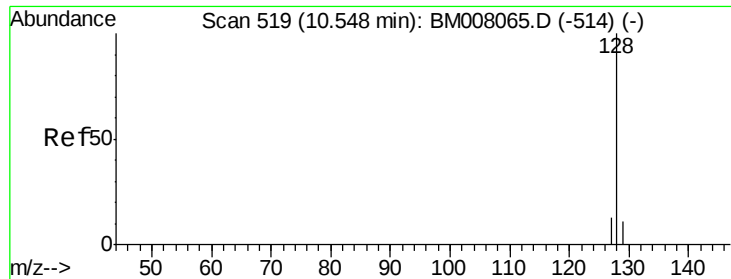
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#3

Naphthalene

Concen: 5.67 ng/ul

RT: 10.54 min Scan# 518

Delta R.T. -0.01 min

Lab File: BM008069.D

Acq: 24 Nov 2016 12:06

Instrument :

BNA_M

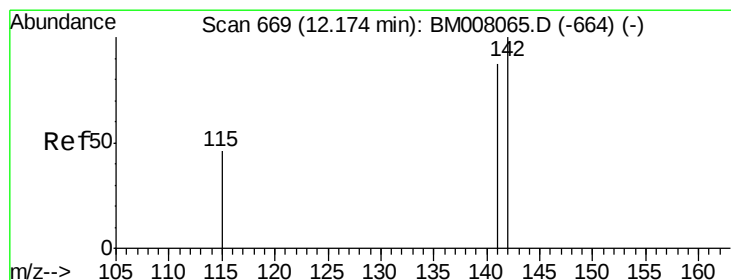
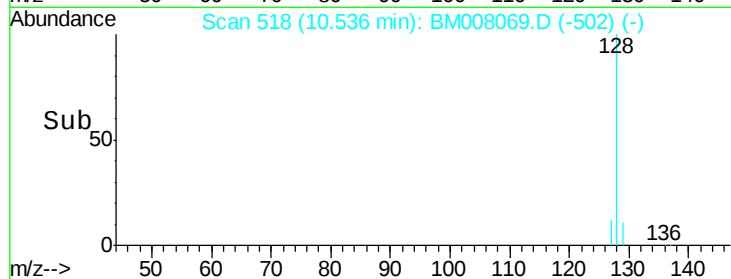
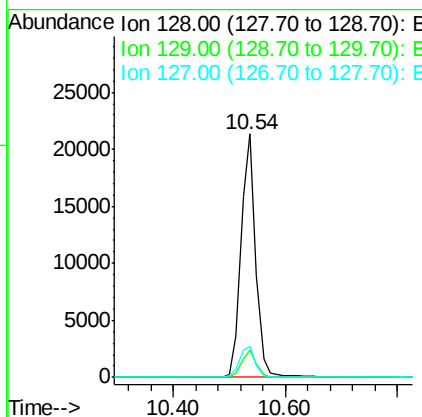
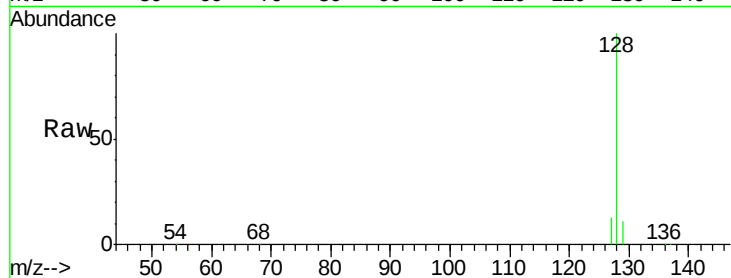
ClientSampleId :

A4WD7MSD

Tot Ion:	128	Resp:	37901
Ion	Ratio	Lower	Upper
128	100		
129	11.3	11.3	16.9
127	12.6	12.8	19.2#

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#5

2-Methylnaphthalene

Concen: 2.31 ng/ul

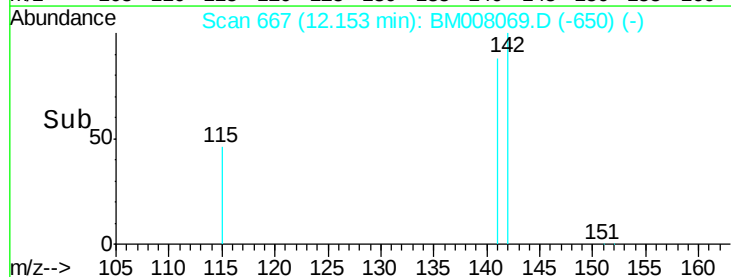
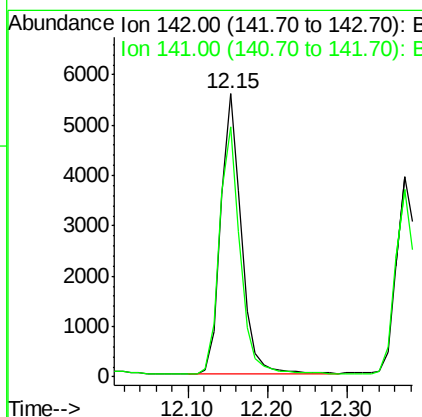
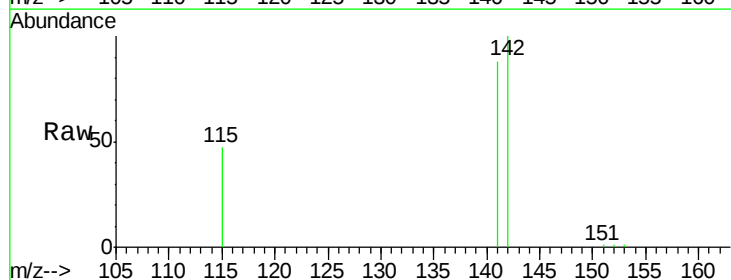
RT: 12.15 min Scan# 667

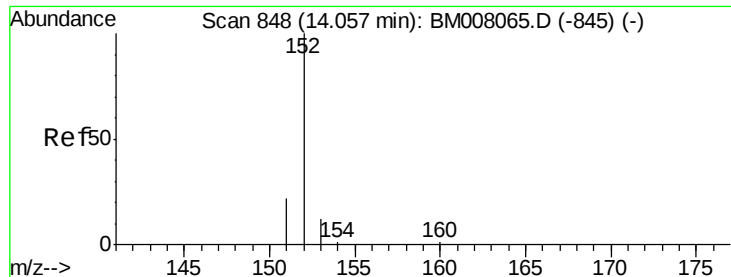
Delta R.T. -0.02 min

Lab File: BM008069.D

Acq: 24 Nov 2016 12:06

Tgt Ion:	142	Resp:	9973
Ion	Ratio	Lower	Upper
142	100		
141	89.4	72.6	108.8





#7

Acenaphthylene

Concen: 1.00 ng/ul

RT: 14.06 min Scan# 848

Delta R.T. 0.00 min

Lab File: BM008069.D

Acq: 24 Nov 2016 12:06

Instrument :

BNA_M

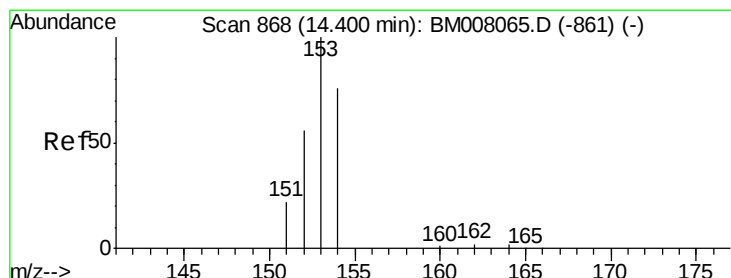
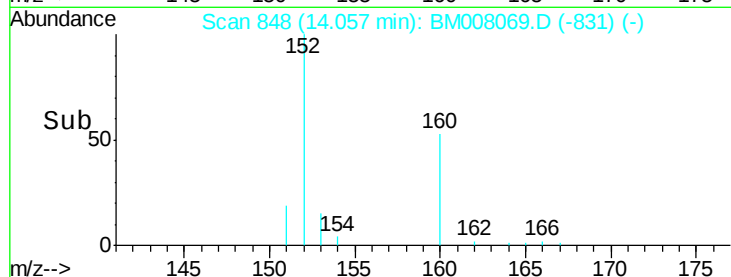
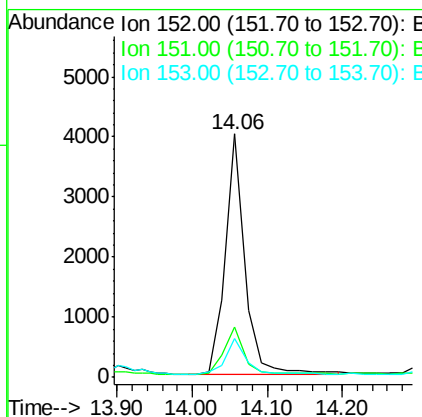
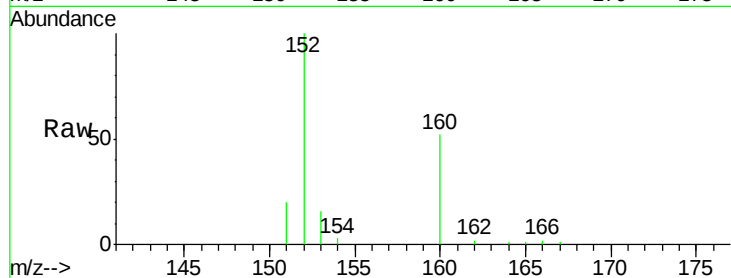
ClientSampleId :

A4WD7MSD

Tot Ion:	152	Resp:	6791
Ion	Ratio	Lower	Upper
152	100		
151	20.5	17.1	25.7
153	16.0	12.8	19.2

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#8

Acenaphthene

Concen: 5.55 ng/ul

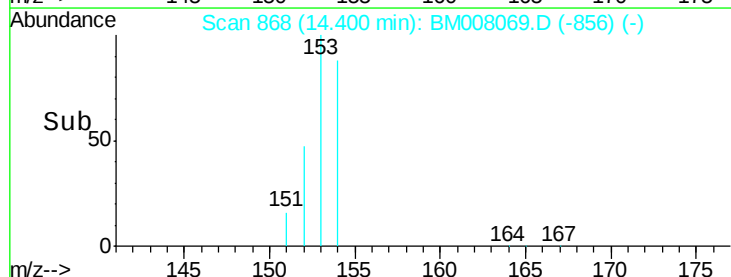
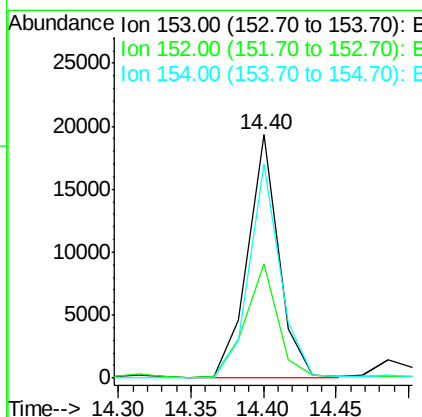
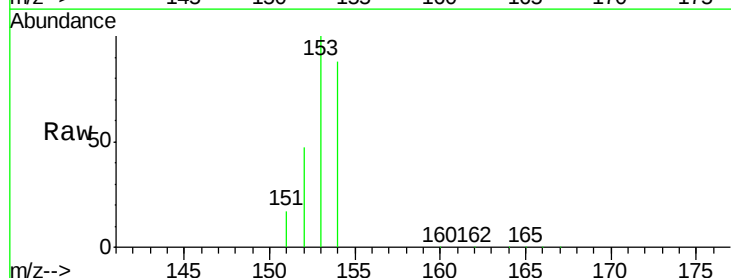
RT: 14.40 min Scan# 868

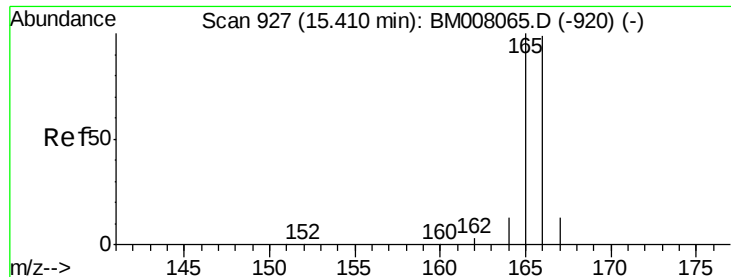
Delta R.T. 0.00 min

Lab File: BM008069.D

Acq: 24 Nov 2016 12:06

Tgt Ion:	153	Resp:	28703
Ion	Ratio	Lower	Upper
153	100		
152	47.0	40.3	60.5
154	87.9	71.4	107.2





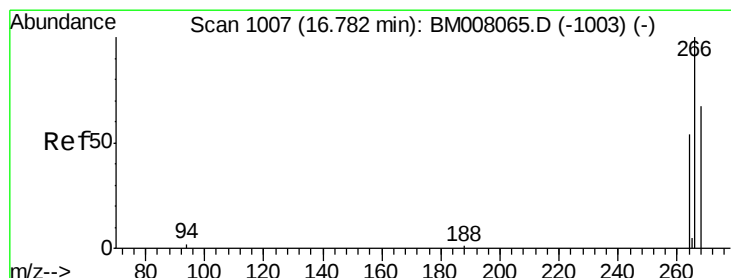
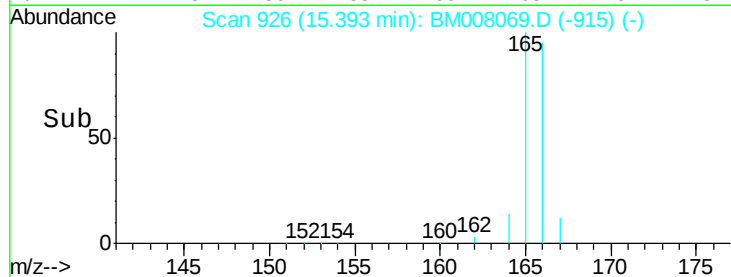
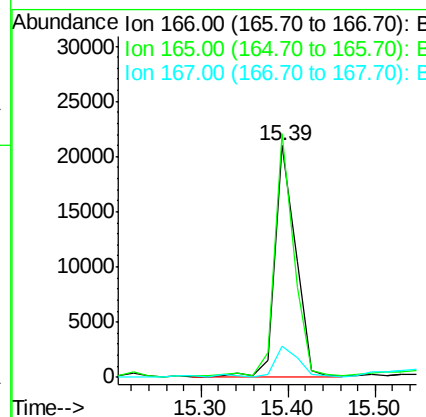
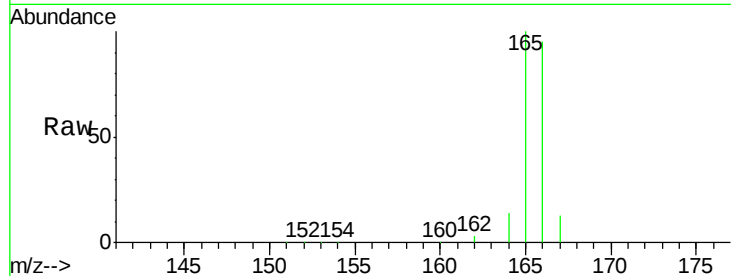
#9
Fluorene
 Concen: 5.86 ng/ul
 RT: 15.39 min Scan# 926
 Delta R.T. -0.02 min
 Lab File: BM008069.D
 Acq: 24 Nov 2016 12:06

Instrument :
 BNA_M
 ClientSampleId :
 A4WD7MSD

Tot Ion	Ratio	Lower	Upper
166	100		
165	105.1	73.4	110.2
167	13.2	14.6	22.0

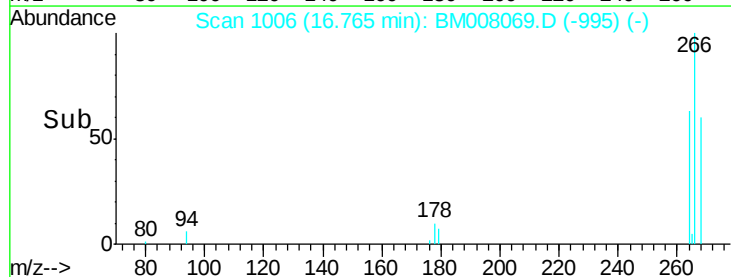
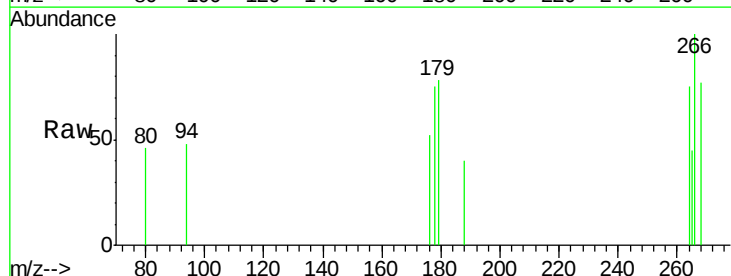
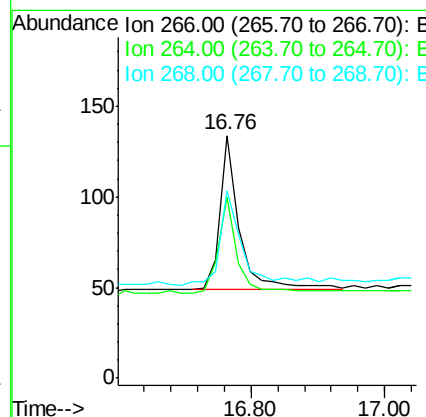
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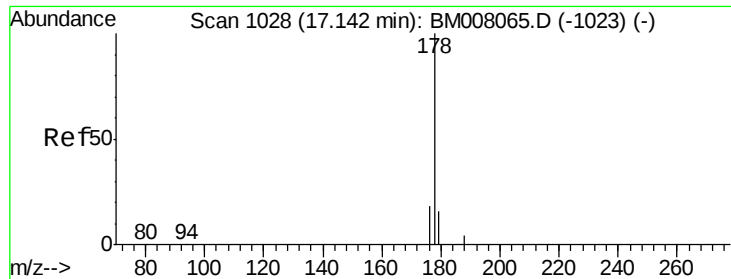
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#11
Pentachlorophenol
 Concen: 0.17 ng/ul
 RT: 16.76 min Scan# 1006
 Delta R.T. -0.02 min
 Lab File: BM008069.D
 Acq: 24 Nov 2016 12:06

Tgt Ion	Ratio	Lower	Upper
266	100		
264	63.4	47.9	71.9
268	73.3	49.8	74.8





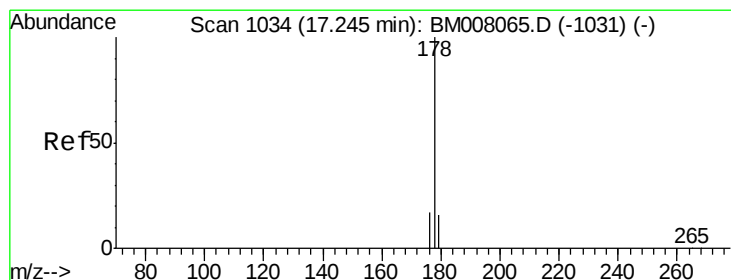
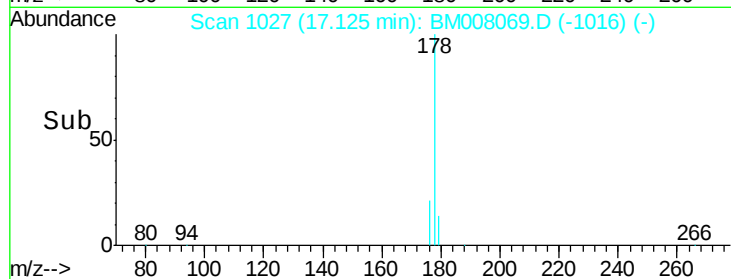
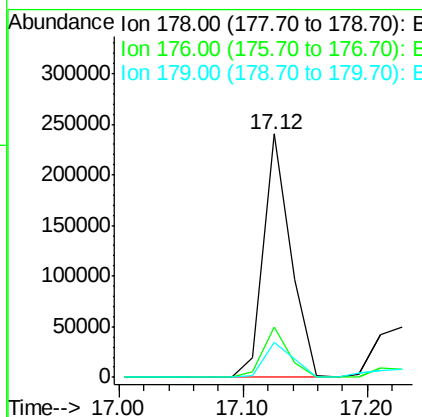
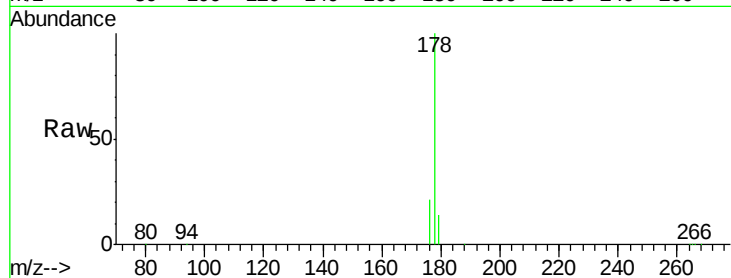
#12
Phenanthrene
Concen: 40.06 ng/ul
RT: 17.12 min Scan# 1027
Delta R.T. -0.02 min
Lab File: BM008069.D
Acq: 24 Nov 2016 12:06

Instrument :
BNA_M
ClientSampleId :
A4WD7MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.8	18.4	27.6
179	14.3	13.6	20.4

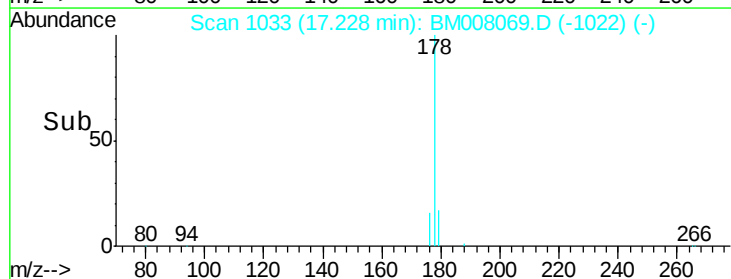
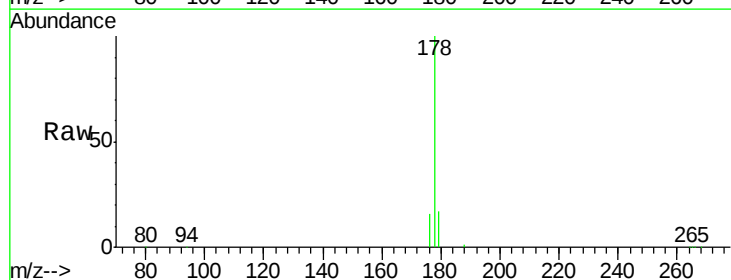
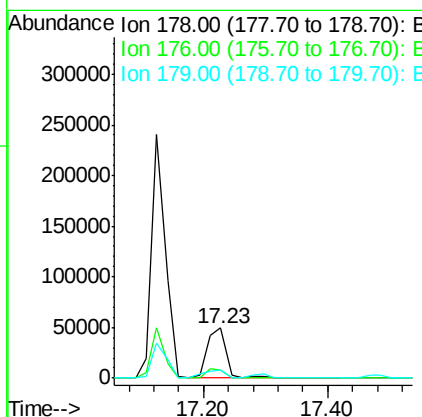
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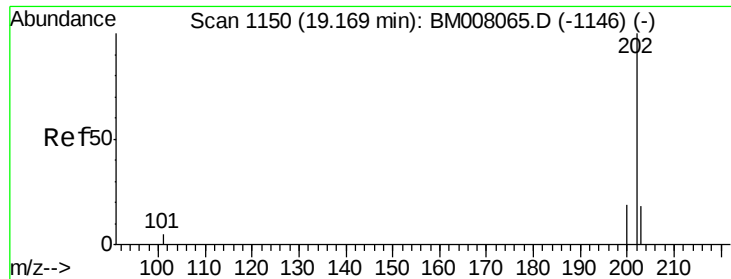
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#13
Anthracene
Concen: 11.89 ng/ul
RT: 17.23 min Scan# 1033
Delta R.T. -0.02 min
Lab File: BM008069.D
Acq: 24 Nov 2016 12:06

Tgt Ion	Ratio	Lower	Upper
178	100		
176	16.0	18.1	27.1#
179	17.5	14.7	22.1





#15

Fluoranthene

Concen: 37.29 ng/ul

RT: 19.16 min Scan# 1149

Delta R.T. -0.01 min

Lab File: BM008069.D

Acq: 24 Nov 2016 12:06

Instrument :

BNA_M

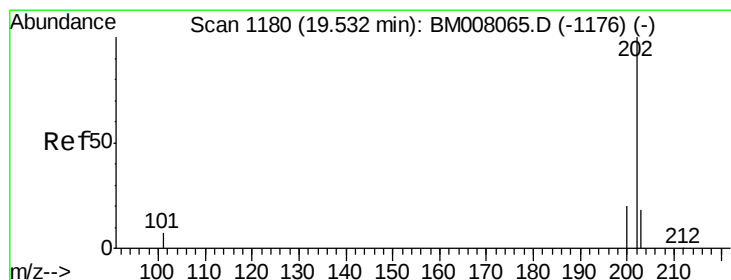
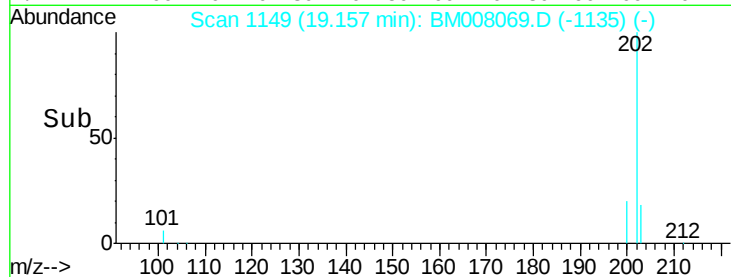
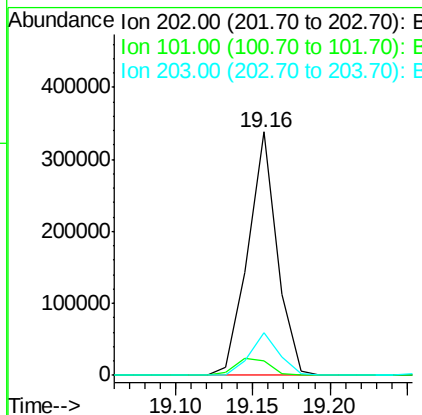
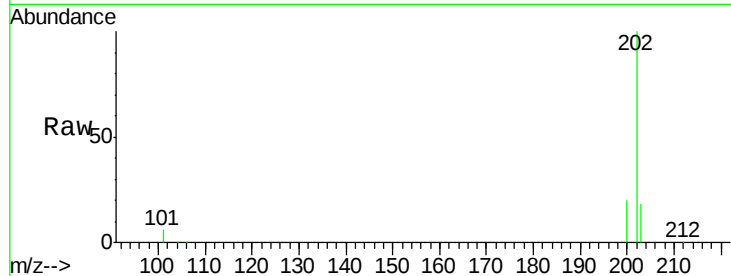
ClientSampleId :

A4WD7MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		443567		
101	5.9	0.0	30.3		
203	17.5	0.0	39.5		

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#17

Pyrene

Concen: 34.58 ng/ul

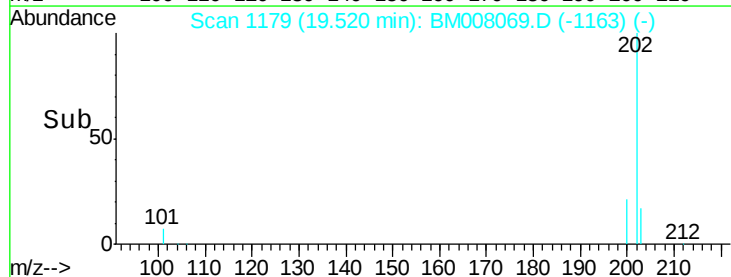
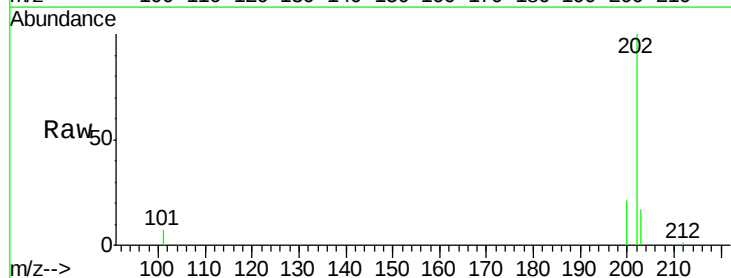
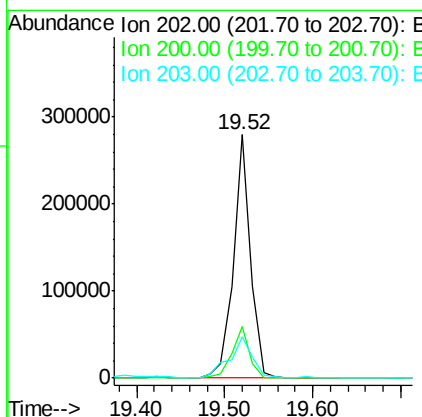
RT: 19.52 min Scan# 1179

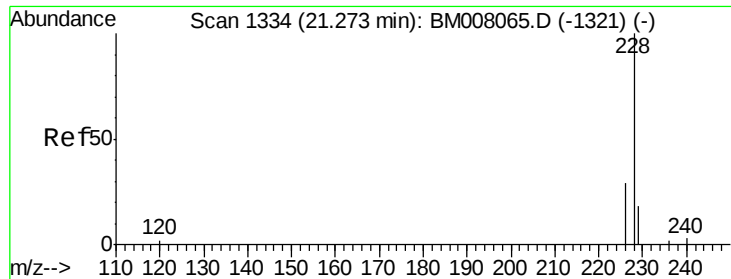
Delta R.T. -0.01 min

Lab File: BM008069.D

Acq: 24 Nov 2016 12:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100		377137		
200	20.9	18.2	27.4		
203	17.1	15.6	23.4		





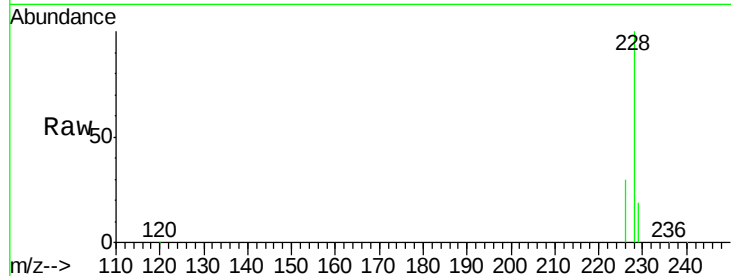
#18
Benzo(a)anthracene
Concen: 23.06 ng/ul
RT: 21.26 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BM008069.D
Acq: 24 Nov 2016 12:06

Instrument :
BNA_M
ClientSampleId :
A4WD7MSD

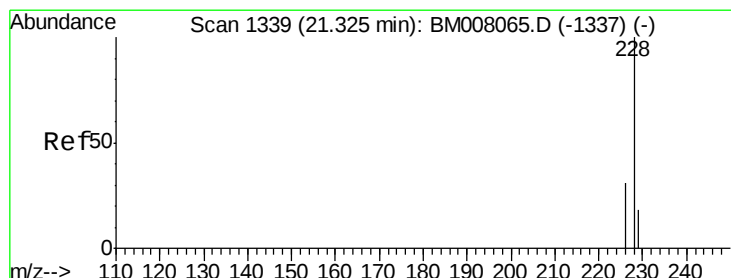
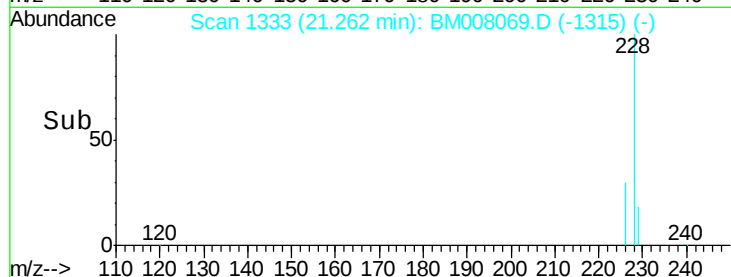
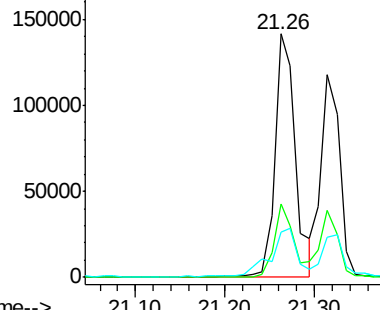
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.3	22.8	34.2
229	18.5	17.0	25.6

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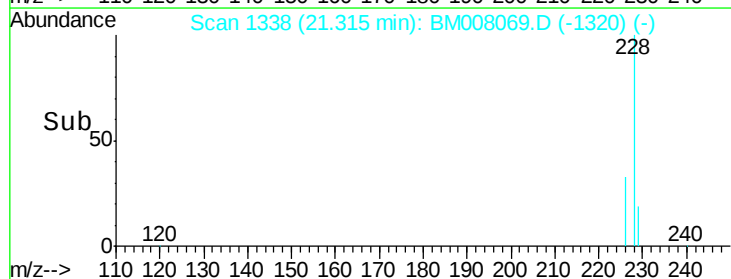
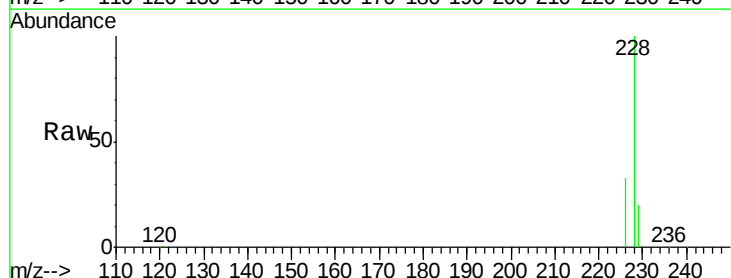
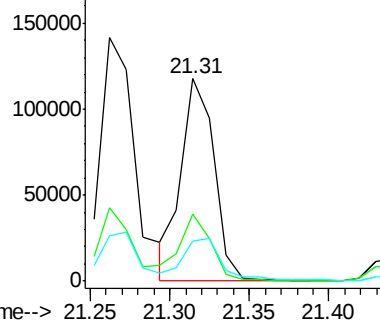
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

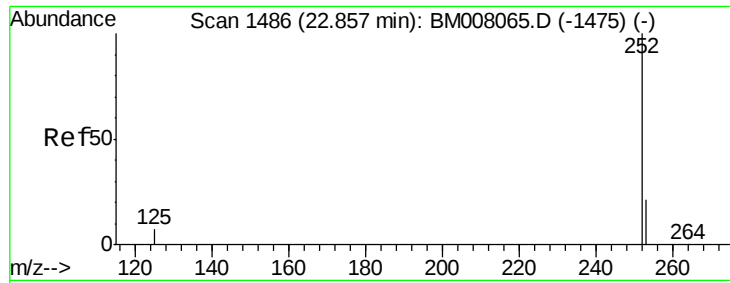


#19
Chrysene
Concen: 14.02 ng/ul
RT: 21.31 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BM008069.D
Acq: 24 Nov 2016 12:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.0	23.4	35.0
229	19.7	17.7	26.5

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





#21

Benzo(b)fluoranthene

Concen: 19.22 ng/ul m

RT: 22.85 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BM008069.D

Acq: 24 Nov 2016 12:06

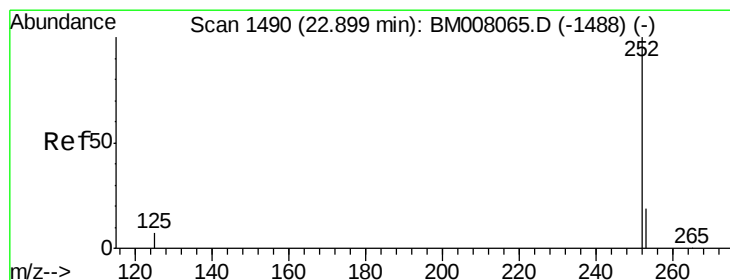
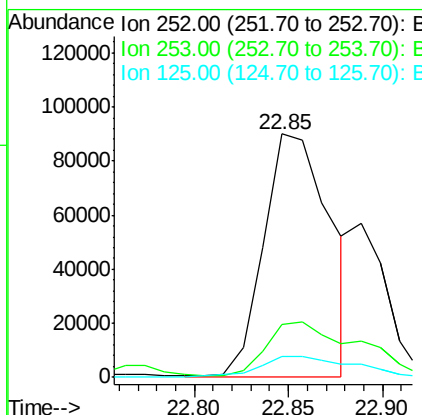
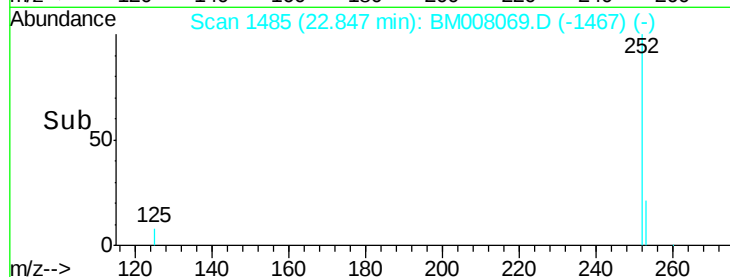
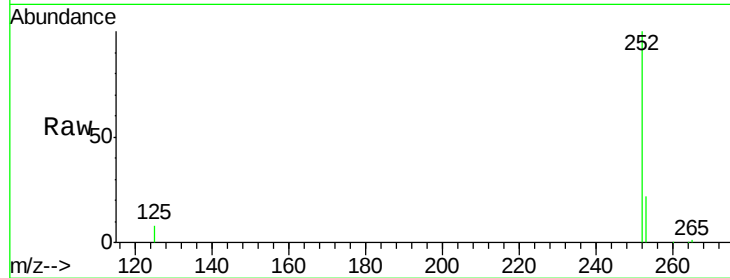
Instrument :
BNA_M

ClientSampleId :
A4WD7MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	21.8	0.0	64.2
125	8.4	0.0	35.0

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#22

Benzo(k)fluoranthene

Concen: 6.14 ng/ul m

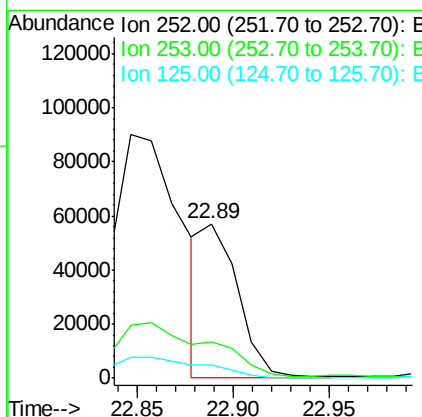
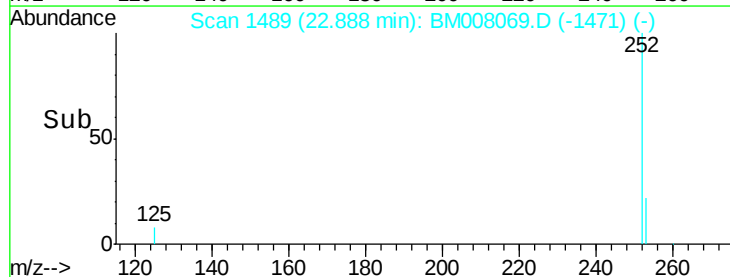
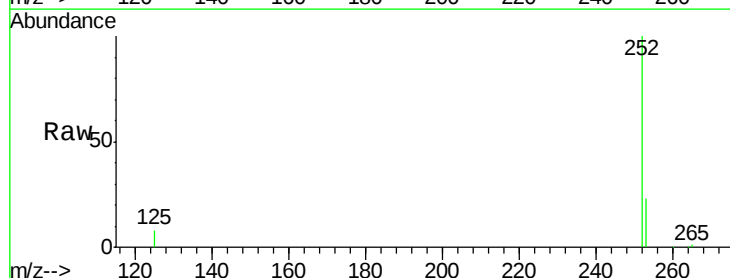
RT: 22.89 min Scan# 1489

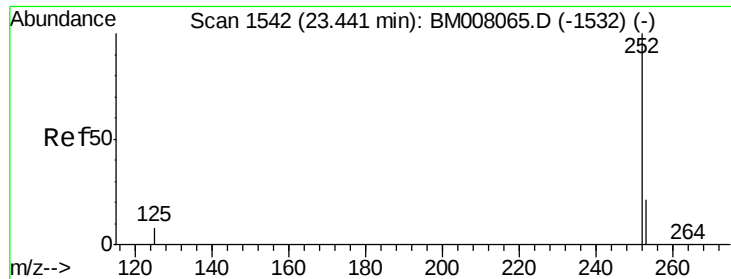
Delta R.T. -0.01 min

Lab File: BM008069.D

Acq: 24 Nov 2016 12:06

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	23.2	24.5	36.7#
125	8.3	13.7	20.5#





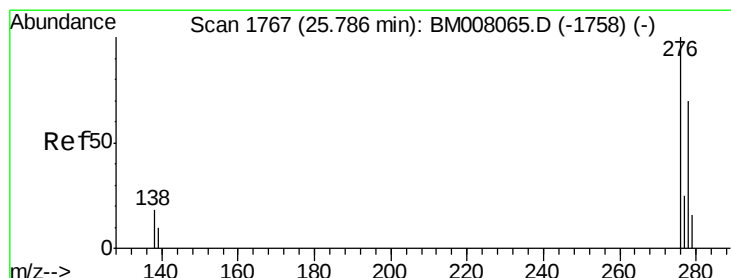
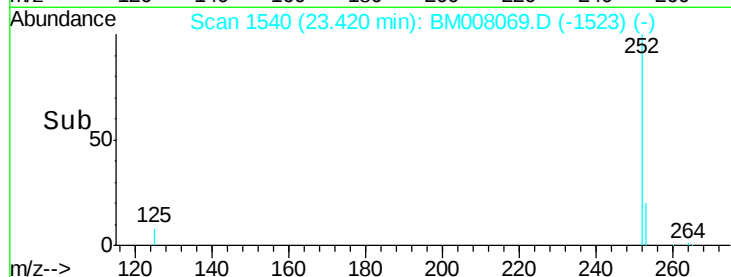
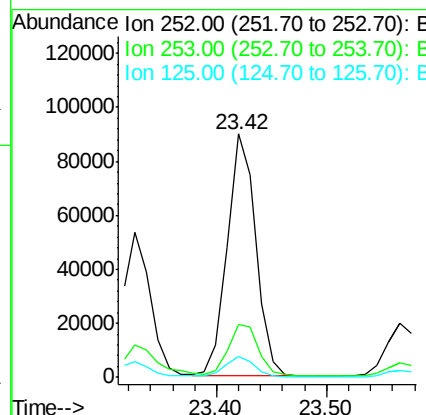
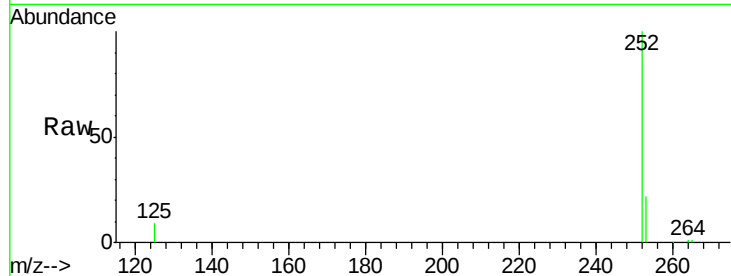
#23
Benzo(a)pyrene
Concen: 14.91 ng/ul
RT: 23.42 min Scan# 1540
Delta R.T. -0.02 min
Lab File: BM008069.D
Acq: 24 Nov 2016 12:06

Instrument :
BNA_M
ClientSampleId :
A4WD7MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	28.5	42.7#
125	8.8	18.1	27.1#

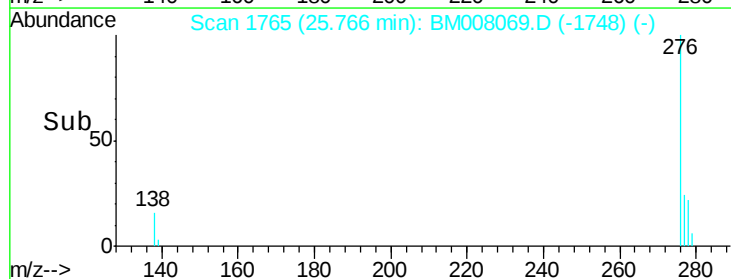
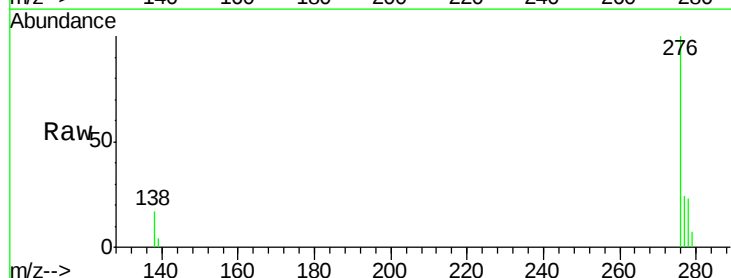
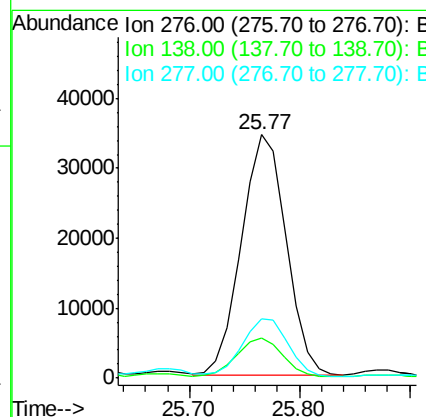
Manual Integrations
APPROVED

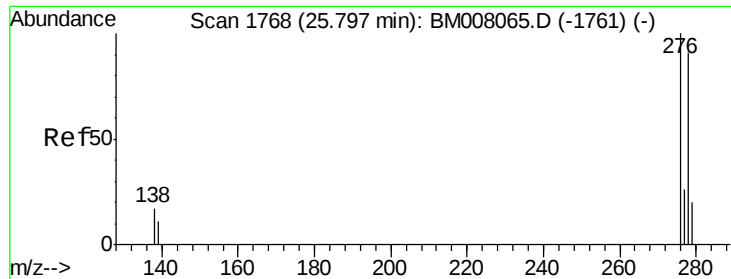
Umangi
11/28/2016 5:29:55 PM



#24
Indeno(1,2,3-cd)pyrene
Concen: 7.23 ng/ul
RT: 25.77 min Scan# 1765
Delta R.T. -0.02 min
Lab File: BM008069.D
Acq: 24 Nov 2016 12:06

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.4	19.1	28.7#
277	24.5	19.6	29.4





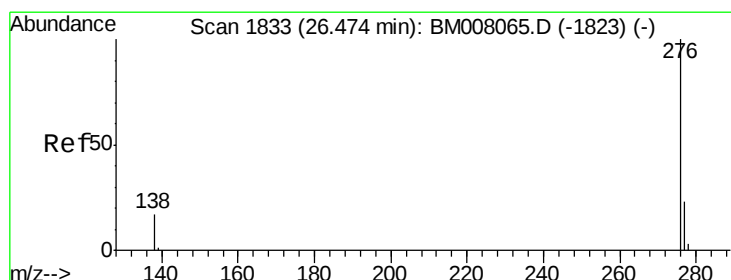
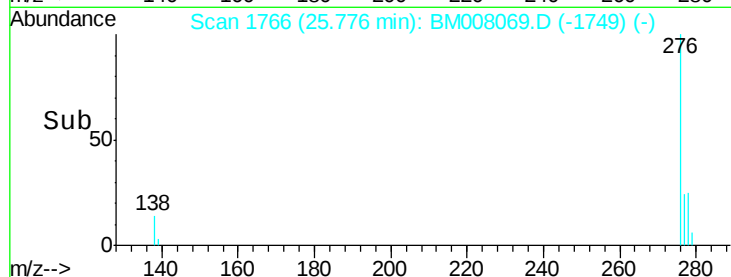
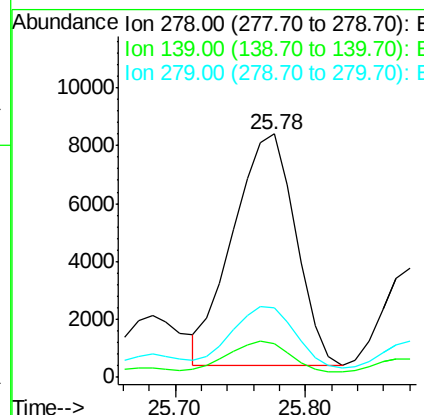
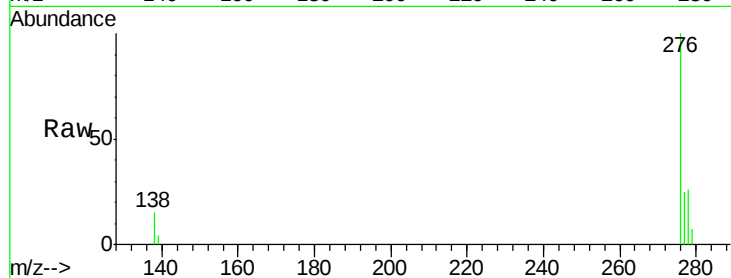
#25
Dibenzo(a,h)anthracene
Concen: 2.49 ng/ul
RT: 25.78 min Scan# 1766
Delta R.T. -0.02 min
Lab File: BM008069.D
Acq: 24 Nov 2016 12:06

Instrument :
BNA_M
ClientSampleID :
A4WD7MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	14.0	17.4	26.0#
279	28.7	25.9	38.9

Manual Integrations
APPROVED

Umangi
11/28/2016 5:29:55 PM



#26
Benzo(g,h,i)perylene
Concen: 6.72 ng/ul
RT: 26.46 min Scan# 1832
Delta R.T. -0.01 min
Lab File: BM008069.D
Acq: 24 Nov 2016 12:06

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	21.8	32.8
138	16.0	20.5	30.7#

