

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122216\
 Data File : BM008569.D
 Acq On : 22 Dec 2016 23:15
 Operator : UM/SJ
 Sample : H5970-02DL 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA843DL

Manual Integrations
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Quant Time: Dec 23 10:40:51 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 23 04:12:47 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	429	0.40	ng/ul	-0.03
2) Naphthalene-d8	10.44	136	1383	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.28	164	798	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.04	188	1783	0.40	ng/ul	-0.03
16) Chrysene-d12	21.25	240	1633	0.40	ng/ul	-0.01
20) Perylene-d12	23.47	264	1771	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.03	152	97	0.05	ng/ul	-0.04
14) Fluoranthene-d10	19.08	212	347m	0.07	ng/ul	-0.02
Target Compounds					Ovalue	
3) Naphthalene	10.49	128	1589	0.41	ng/ul#	92
5) 2-Methylnaphthalene	12.10	142	1581	0.60	ng/ul	99
7) Acenaphthylene	14.01	152	1065	0.30	ng/ul#	86
8) Acenaphthene	14.35	153	481	0.18	ng/ul	94
9) Fluorene	15.34	166	823	0.27	ng/ul#	66
12) Phenanthrene	17.07	178	7222	1.33	ng/ul	98
13) Anthracene	17.18	178	2501	0.47	ng/ul	97
15) Fluoranthene	19.11	202	15136	2.27	ng/ul	95
17) Pyrene	19.47	202	16490	2.61	ng/ul	97
18) Benzo(a)anthracene	21.23	228	11715	2.18	ng/ul	98
19) Chrysene	21.28	228	13450	2.29	ng/ul	97
21) Benzo(b)fluoranthene	22.81	252	28151m	4.03	ng/ul	
22) Benzo(k)fluoranthene	22.85	252	6393m	0.94	ng/ul	
23) Benzo(a)pyrene	23.37	252	15762	2.44	ng/ul#	77
24) Indeno(1,2,3-cd)pyrene	25.70	276	13972	1.81	ng/ul#	89
25) Dibenzo(a,h)anthracene	25.70	278	3408	0.55	ng/ul	95
26) Benzo(a,h,i)perylene	26.39	276	14544	2.20	ng/ul#	88

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

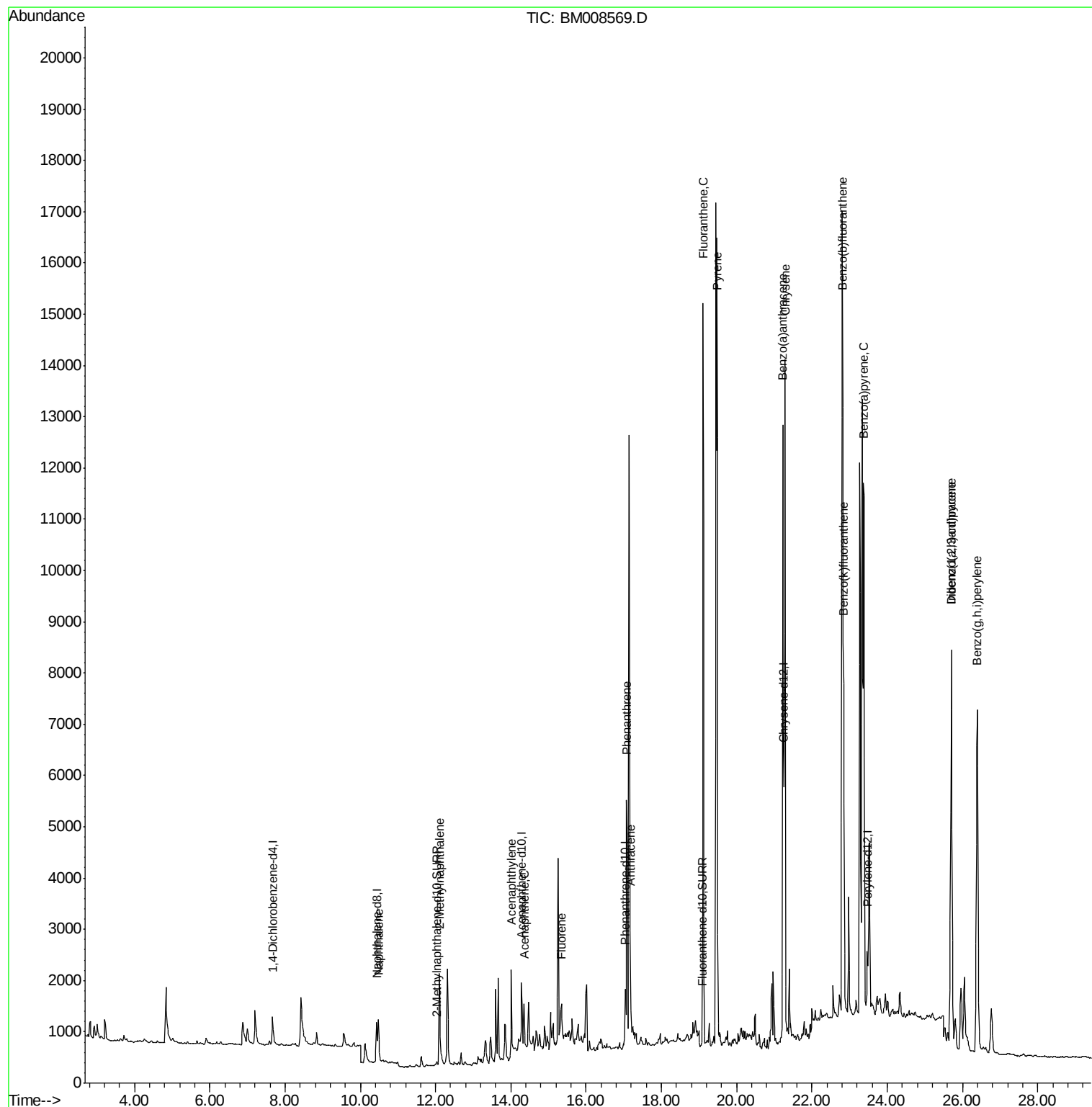
Data Path : Z:\HPCHEM1\BNA M\DATA\BM122216\
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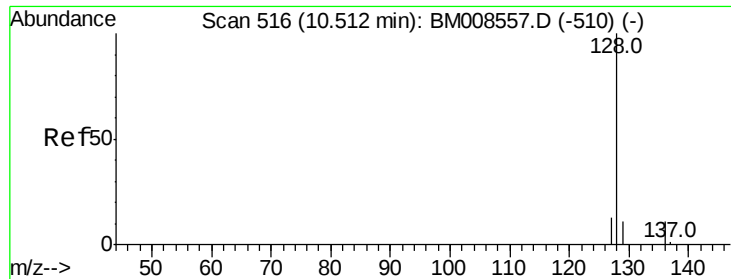
Instrument :
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Quant Time: Dec 23 10:40:51 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM121916.M
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QLast Update : Fri Dec 23 04:12:47 2016
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.41 ng/ul

RT: 10.49 min Scan# 514

Delta R.T. -0.02 min

Lab File: BM008569.D

Acq: 22 Dec 2016 23:15

Instrument :

BNA_M

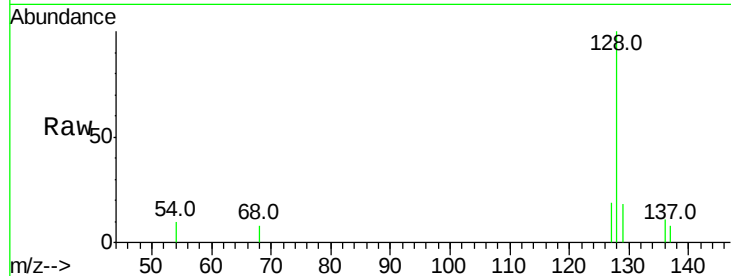
ClientSampleId :

DA843DL

Tot Ion:	128	Resp:	1589
Ion Ratio	Lower	Upper	
128	100		
129	17.9	11.3	16.9#
127	18.6	12.8	19.2

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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

10.49

800

600

400

200

0

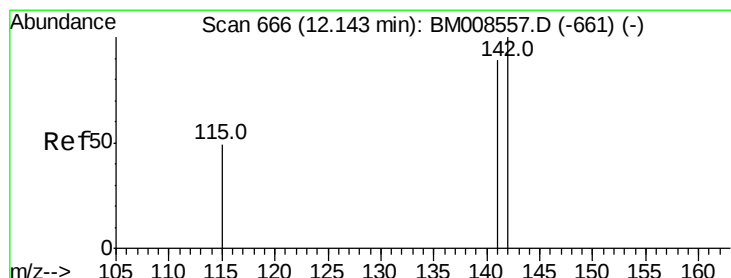
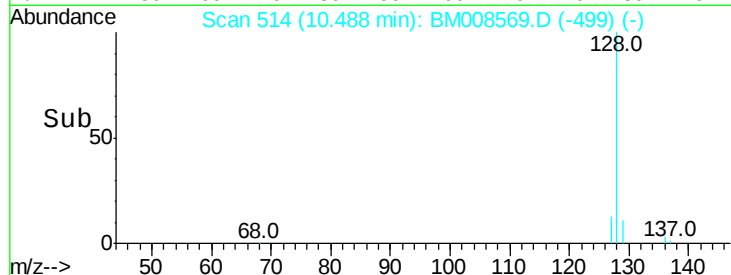
10.40

10.50

10.60

10.70

Time-->



#5

2-Methylnaphthalene

Concen: 0.60 ng/ul

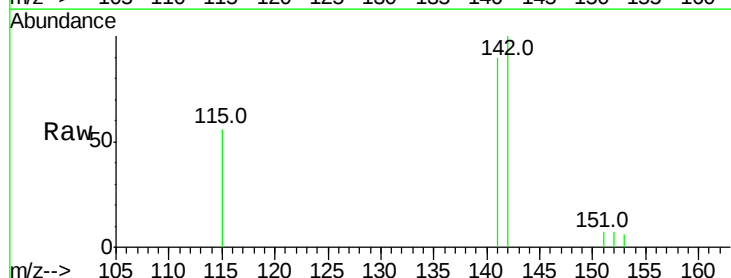
RT: 12.10 min Scan# 662

Delta R.T. -0.04 min

Lab File: BM008569.D

Acq: 22 Dec 2016 23:15

Tgt Ion:	142	Resp:	1581
Ion Ratio	Lower	Upper	
142	100		
141	89.6	72.6	108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.10

800

600

400

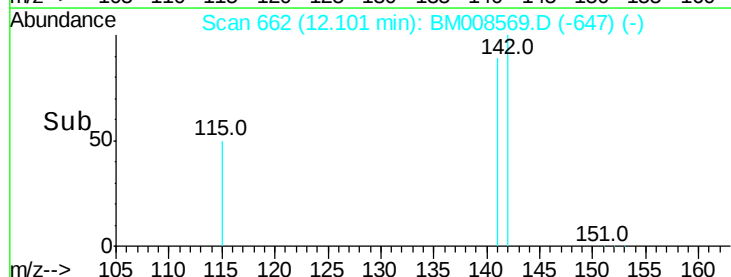
200

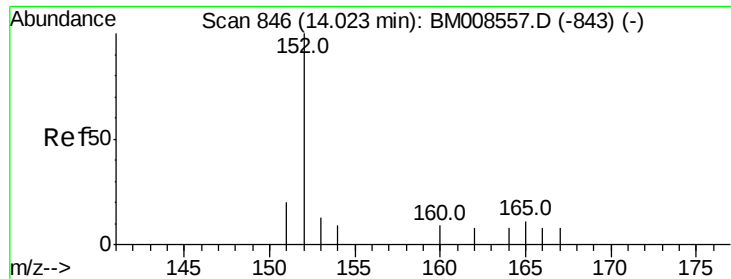
0

12.00

12.20

Time-->





#7

Acenaphthylene

Concen: 0.30 ng/ul

RT: 14.01 min Scan# 845

Delta R.T. -0.02 min

Lab File: BM008569.D

Acq: 22 Dec 2016 23:15

Instrument :

BNA_M

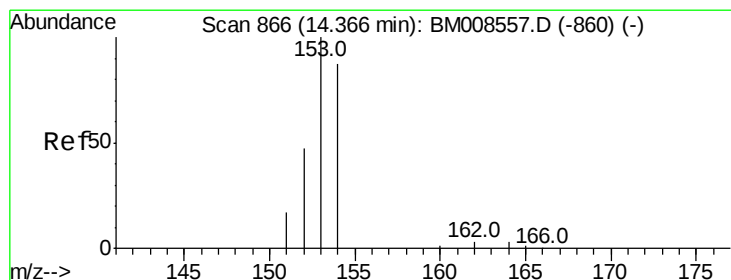
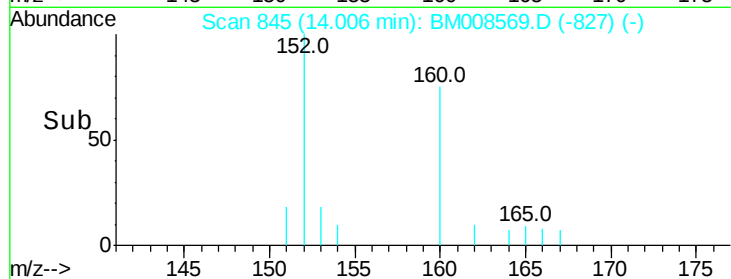
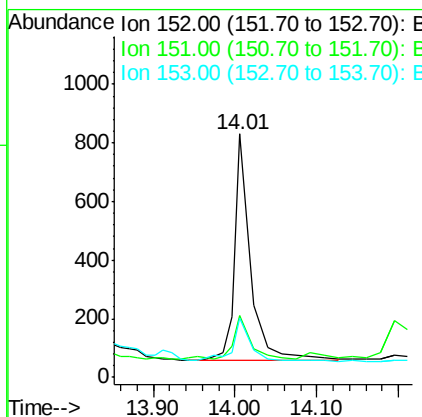
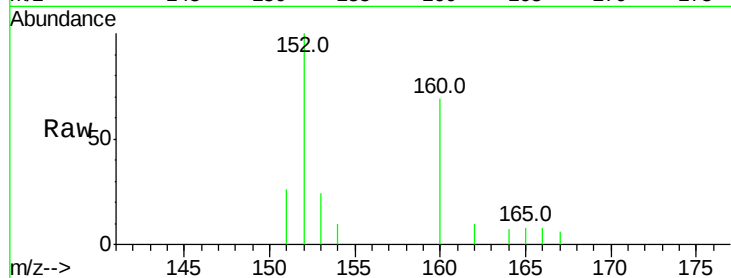
ClientSampleId :

DA843DL

Tot Ion:	152	Resp:	1065
Ion Ratio	Lower	Upper	
152	100		
151	25.6	17.1	25.7
153	24.3	12.8	19.2

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#8

Acenaphthene

Concen: 0.18 ng/ul

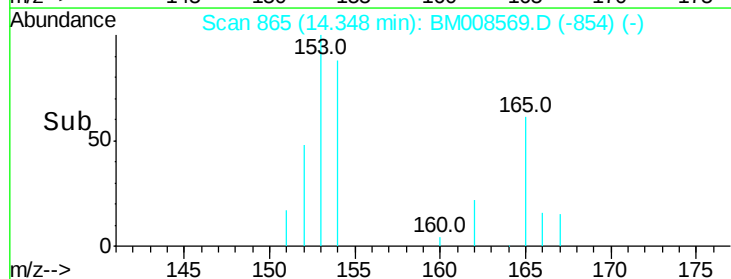
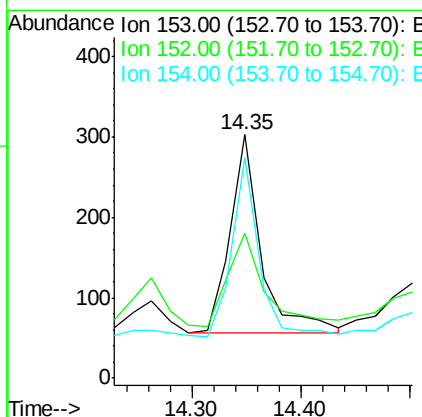
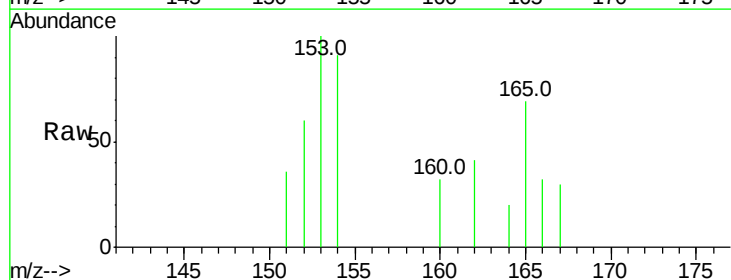
RT: 14.35 min Scan# 865

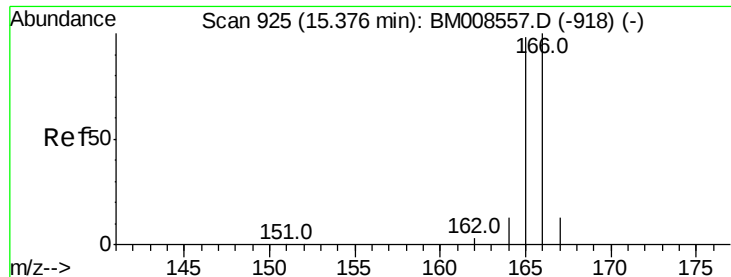
Delta R.T. -0.02 min

Lab File: BM008569.D

Acq: 22 Dec 2016 23:15

Tgt Ion:	153	Resp:	481
Ion Ratio	Lower	Upper	
153	100		
152	59.7	40.3	60.5
154	90.8	71.4	107.2





#9

Fluorene

Concen: 0.27 ng/ul

RT: 15.34 min Scan# 923

Delta R.T. -0.03 min

Lab File: BM008569.D

Acq: 22 Dec 2016 23:15

Instrument :

BNA_M

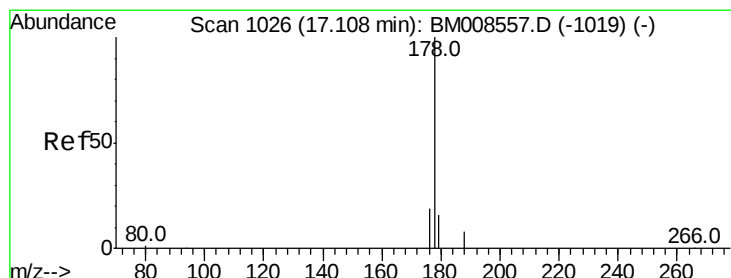
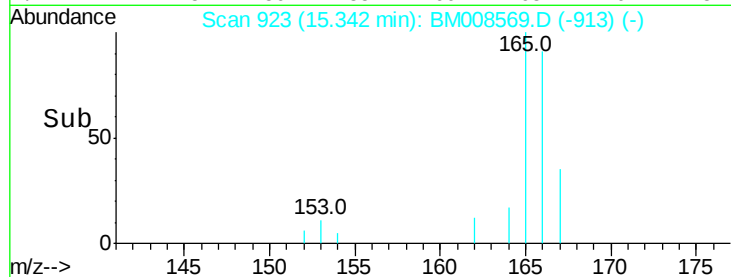
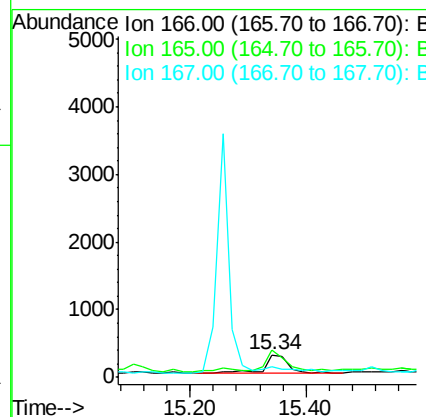
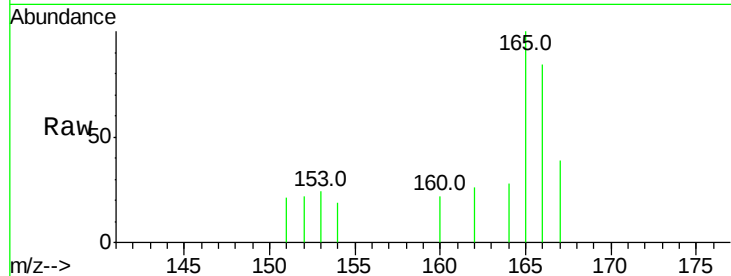
ClientSampleId :

DA843DL

Tot Ion:	166	Resp:	823
Ion Ratio	Lower	Upper	
166	100		
165	119.1	73.4	110.2#
167	46.6	14.6	22.0#

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#12

Phenanthrene

Concen: 1.33 ng/ul

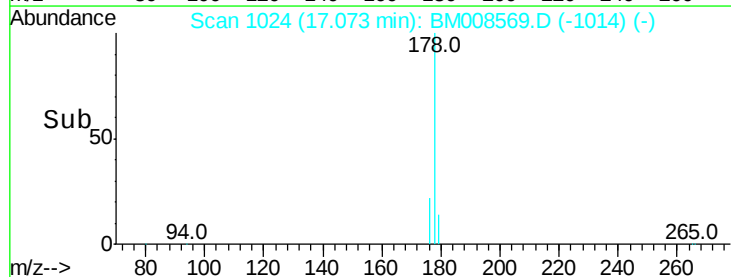
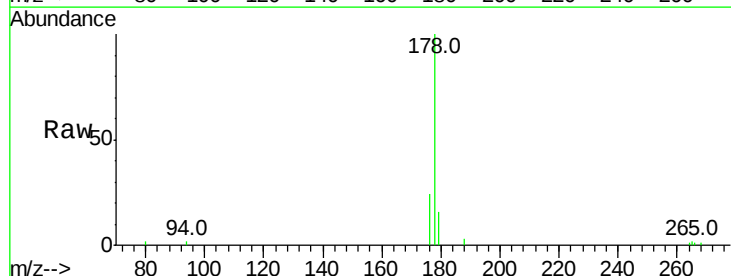
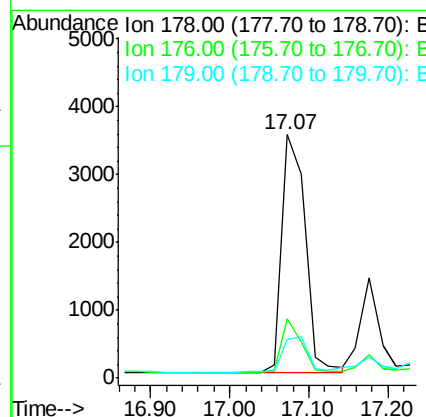
RT: 17.07 min Scan# 1024

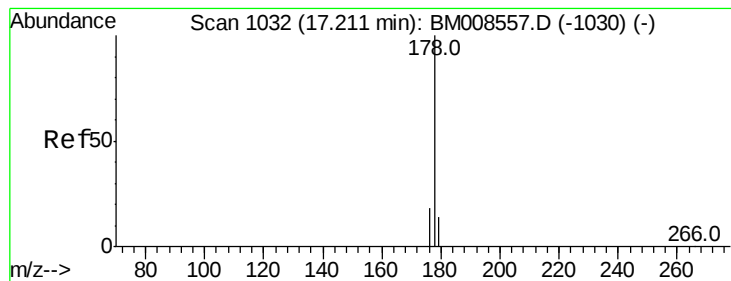
Delta R.T. -0.03 min

Lab File: BM008569.D

Acq: 22 Dec 2016 23:15

Tgt Ion:	178	Resp:	7222
Ion Ratio	Lower	Upper	
178	100		
176	24.4	18.4	27.6
179	16.2	13.6	20.4





#13

Anthracene

Concen: 0.47 ng/ul

RT: 17.18 min Scan# 1030

Delta R.T. -0.03 min

Lab File: BM008569.D

Acq: 22 Dec 2016 23:15

Instrument :

BNA_M

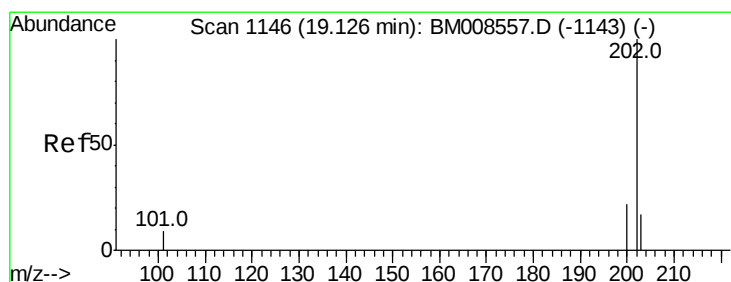
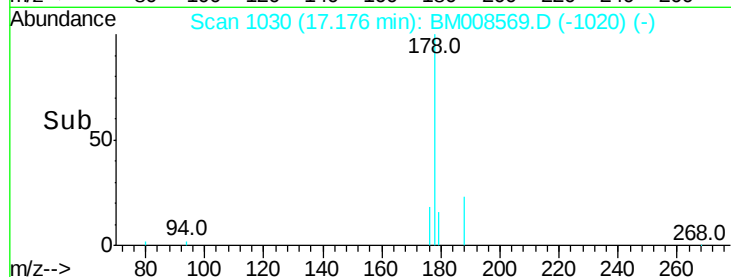
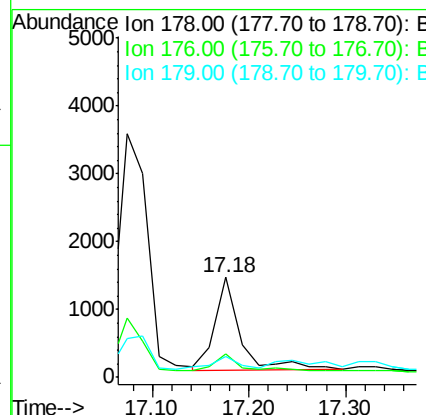
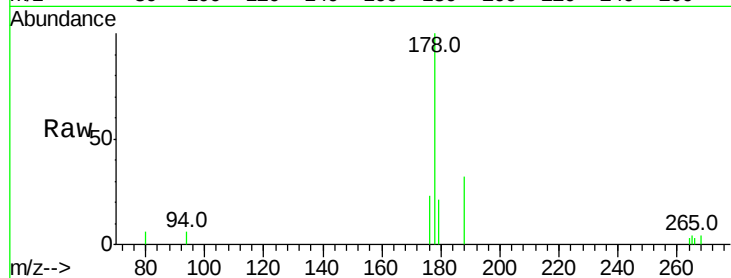
ClientSampleId :

DA843DL

Tot Ion:	178	Resp:	2501
Ion Ratio	Lower	Upper	
178	100		
176	23.0	18.1	27.1
179	20.8	14.7	22.1

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#15

Fluoranthene

Concen: 2.27 ng/ul

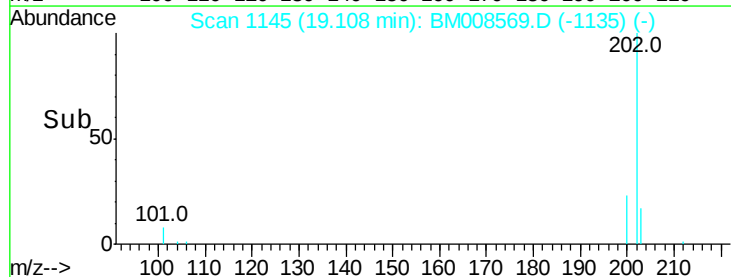
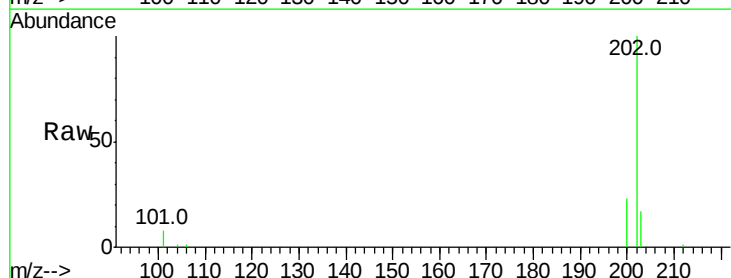
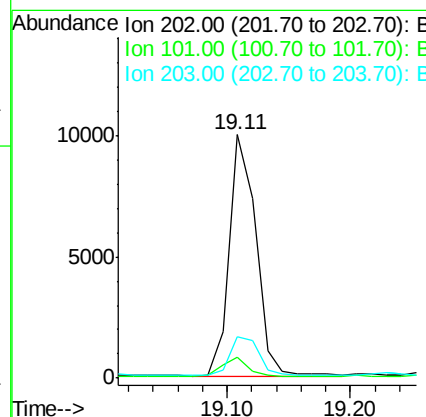
RT: 19.11 min Scan# 1145

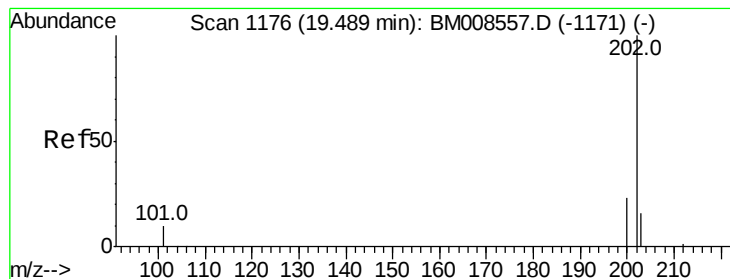
Delta R.T. -0.02 min

Lab File: BM008569.D

Acq: 22 Dec 2016 23:15

Tgt Ion:	202	Resp:	15136
Ion Ratio	Lower	Upper	
202	100		
101	8.4	0.0	30.3
203	17.0	0.0	39.5





#17

Pvrene

Concen: 2.61 ng/ul

RT: 19.47 min Scan# 1175

Delta R.T. -0.02 min

Lab File: BM008569.D

Acq: 22 Dec 2016 23:15

Instrument :

BNA_M

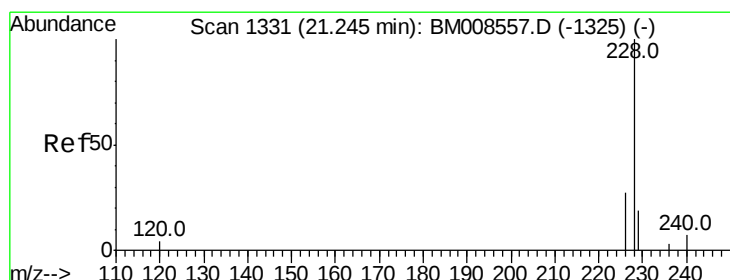
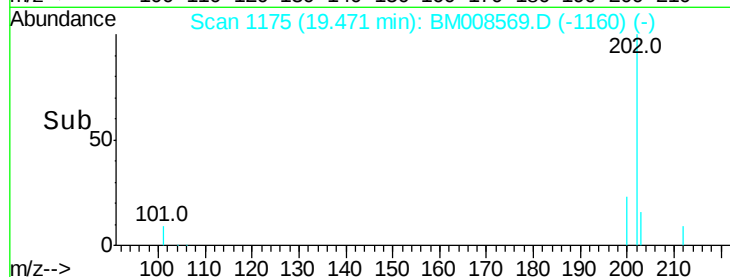
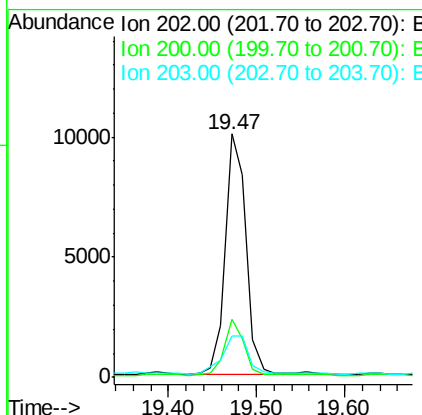
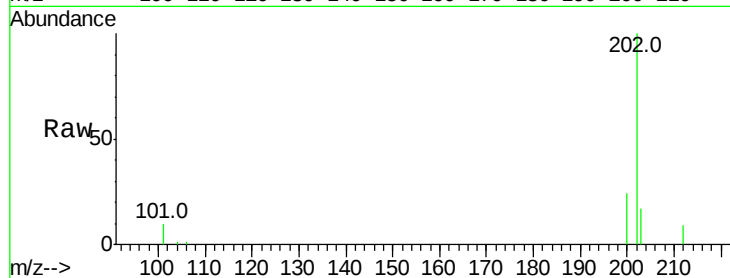
ClientSampleId :

DA843DL

Tot Ion:	202	Resp:	16490
Ion Ratio	Lower	Upper	
202	100		
200	23.7	18.2	27.4
203	17.1	15.6	23.4

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#18

Benzo(a)anthracene

Concen: 2.18 ng/ul

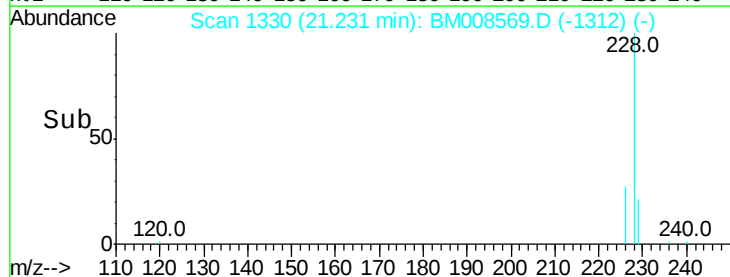
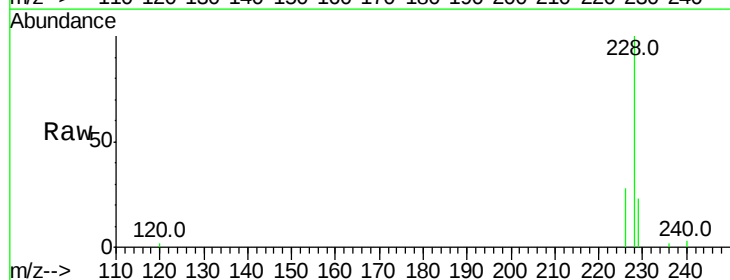
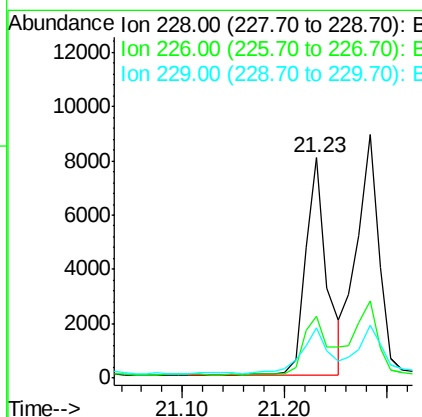
RT: 21.23 min Scan# 1330

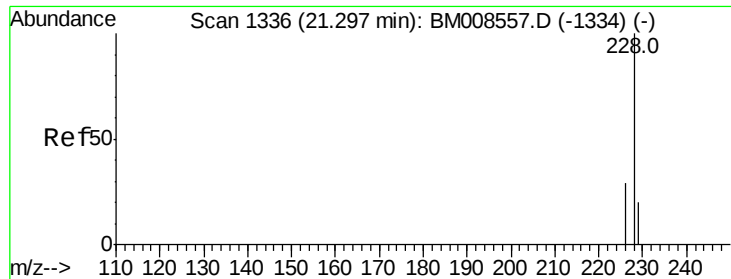
Delta R.T. -0.01 min

Lab File: BM008569.D

Acq: 22 Dec 2016 23:15

Tgt Ion:	228	Resp:	11715
Ion Ratio	Lower	Upper	
228	100		
226	28.1	22.8	34.2
229	23.1	17.0	25.6





#19

Chrysene

Concen: 2.29 ng/ul

RT: 21.28 min Scan# 1335

Delta R.T. -0.01 min

Lab File: BM008569.D

Acq: 22 Dec 2016 23:15

Instrument :

BNA_M

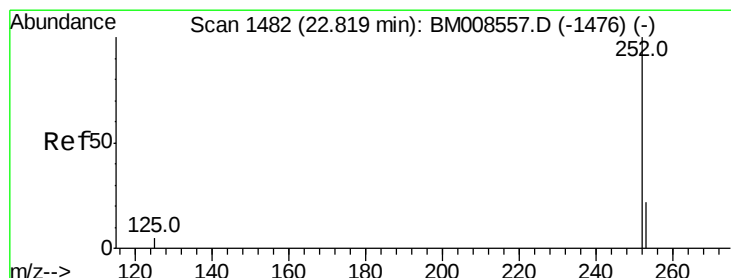
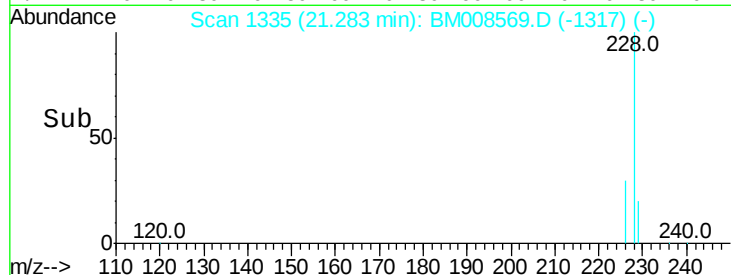
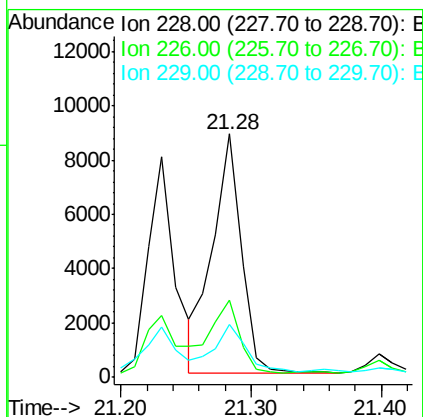
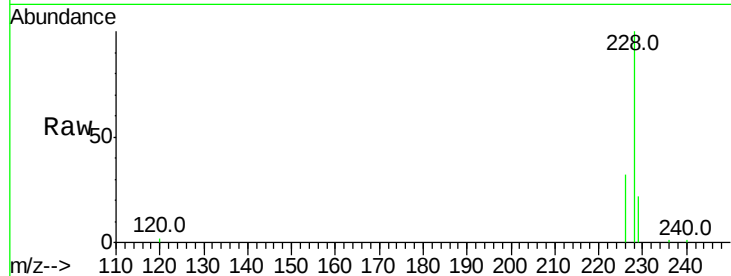
ClientSampleId :

DA843DL

Tot Ion:228	Resp:	13450
Ion Ratio	Lower	Upper
228 100		
226 31.5	23.4	35.0
229 21.6	17.7	26.5

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#21

Benzo(b)fluoranthene

Concen: 4.03 ng/ul m

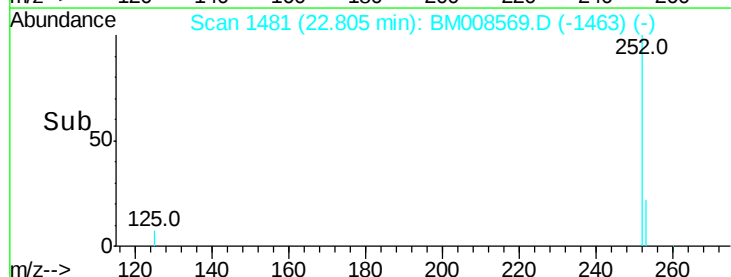
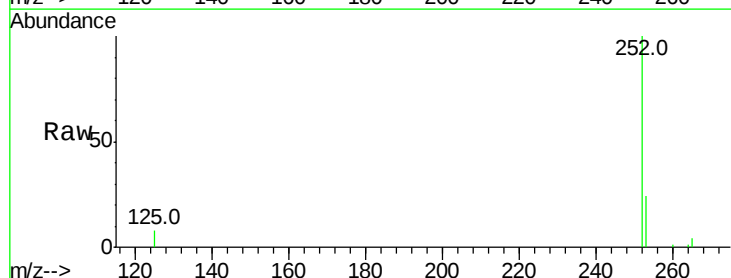
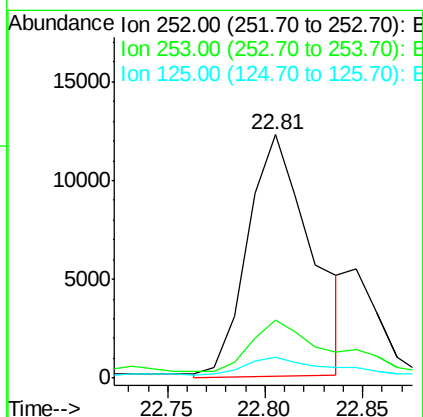
RT: 22.81 min Scan# 1481

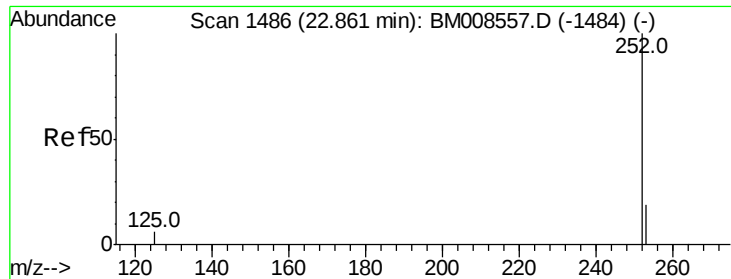
Delta R.T. -0.01 min

Lab File: BM008569.D

Acq: 22 Dec 2016 23:15

Tgt Ion:252	Resp:	28151
Ion Ratio	Lower	Upper
252 100		
253 23.8	0.0	64.2
125 8.5	0.0	35.0





#22

Benzo(k)fluoranthene

Concen: 0.94 ng/ul m

RT: 22.85 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BM008569.D

Acq: 22 Dec 2016 23:15

Instrument :

BNA_M

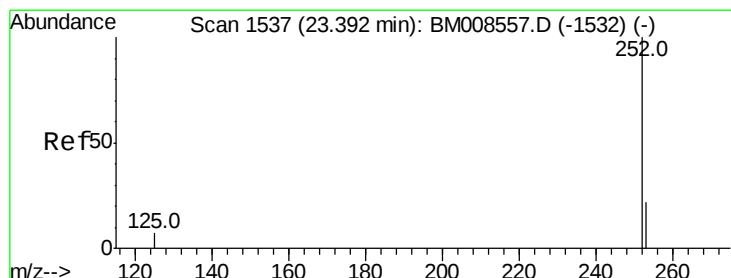
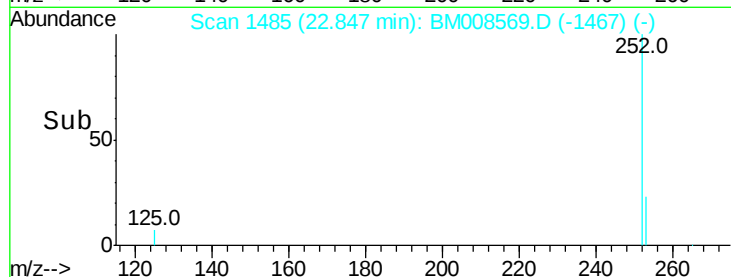
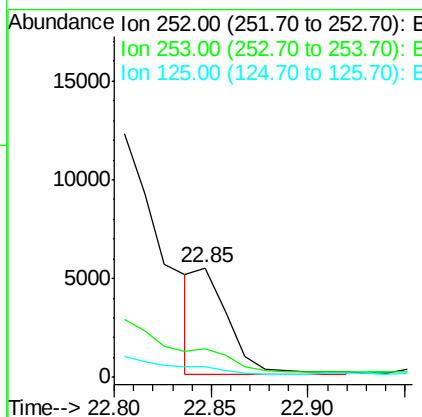
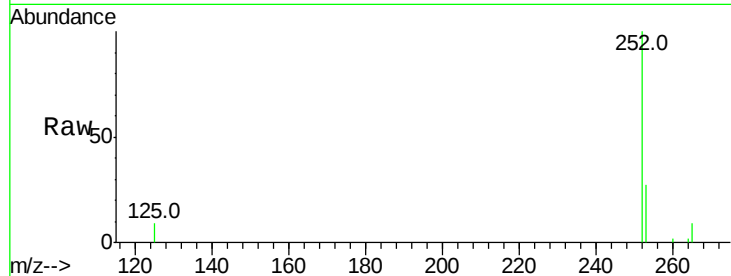
ClientSampleId :

DA843DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.7	24.5	36.7
125	9.3	13.7	20.5#

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#23

Benzo(a)pyrene

Concen: 2.44 ng/ul

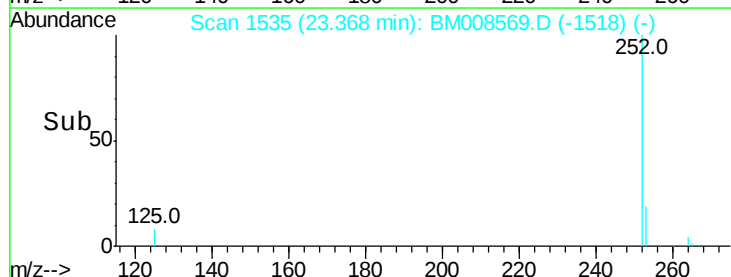
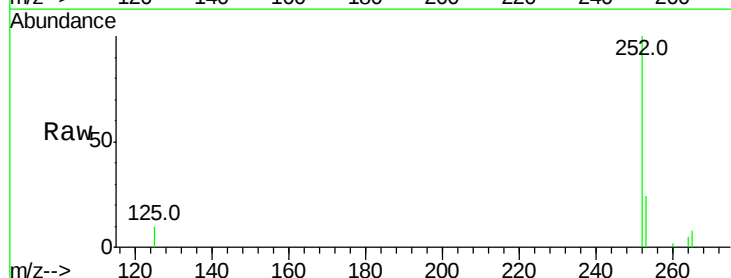
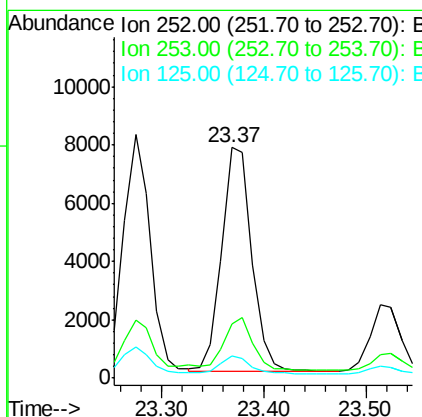
RT: 23.37 min Scan# 1535

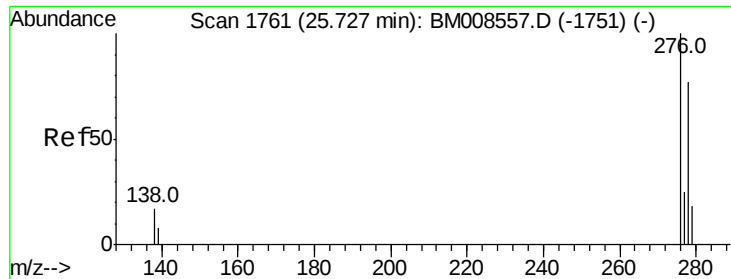
Delta R.T. -0.02 min

Lab File: BM008569.D

Acq: 22 Dec 2016 23:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	28.5	42.7#
125	9.9	18.1	27.1#





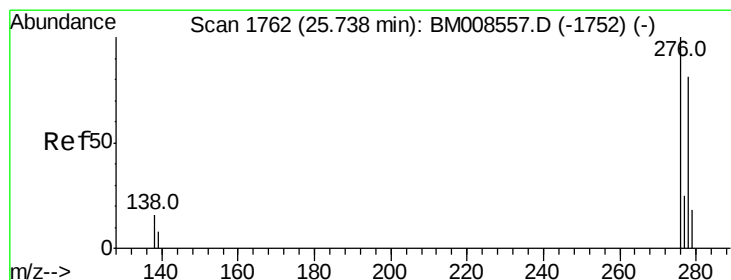
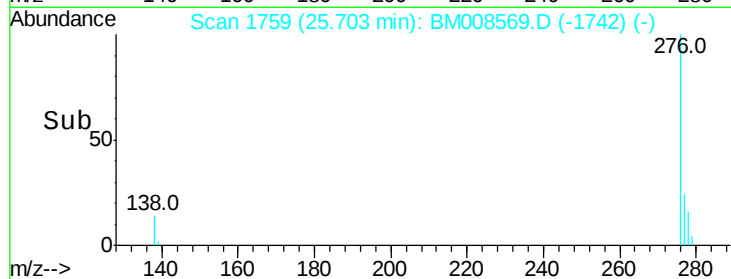
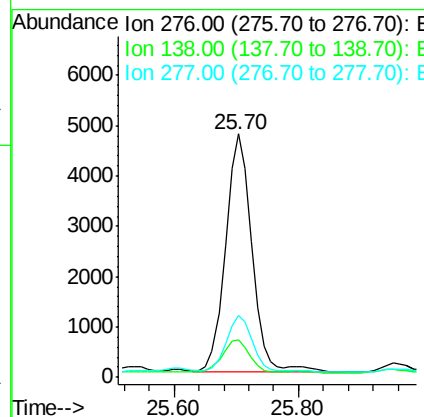
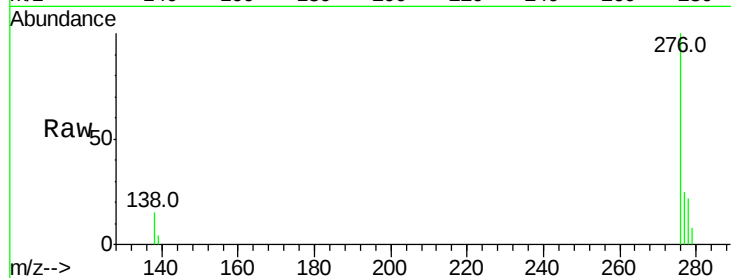
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 1.81 ng/ul
 RT: 25.70 min Scan# 1759
 Delta R.T. -0.02 min
 Lab File: BM008569.D
 Acq: 22 Dec 2016 23:15

Instrument :
 BNA_M
 ClientSampleId :
 DA843DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	14.1	19.1	28.7#
277	23.8	19.6	29.4

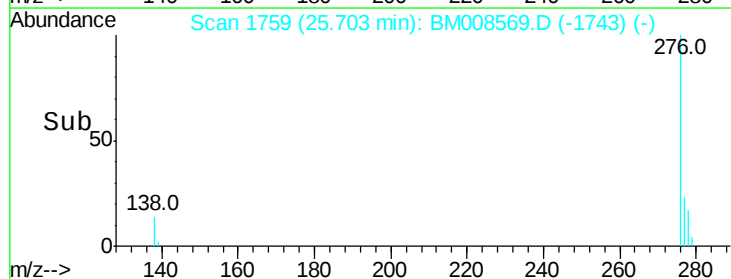
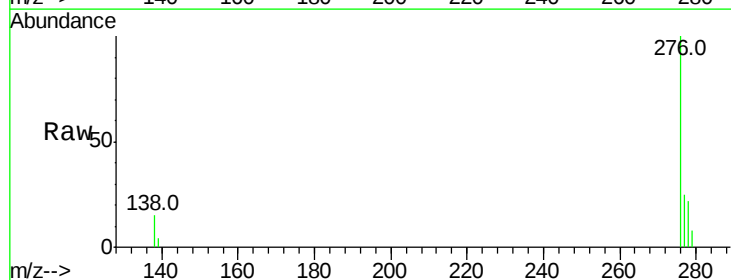
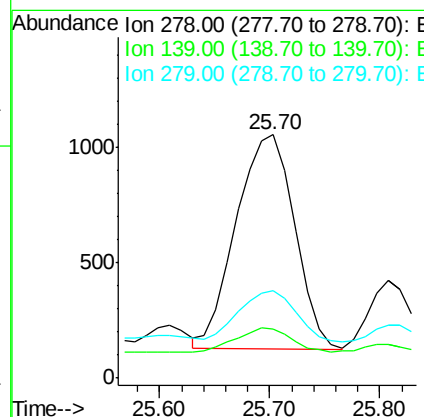
Manual Integrations
 APPROVED

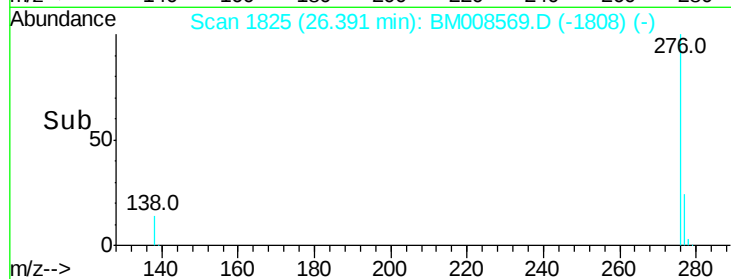
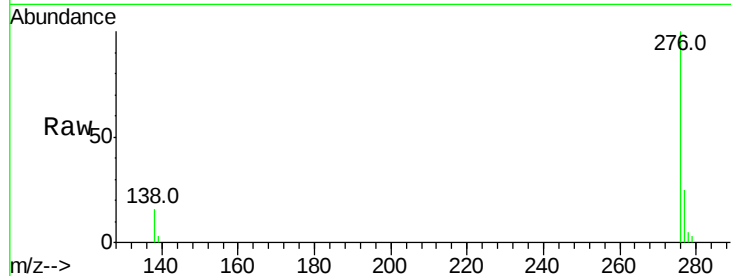
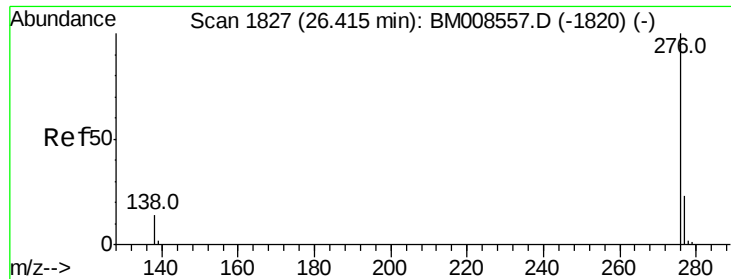
umangi
 12/28/2016 5:55:48 PM



#25
 Dibenzo(a,h)anthracene
 Concen: 0.55 ng/ul
 RT: 25.70 min Scan# 1759
 Delta R.T. -0.03 min
 Lab File: BM008569.D
 Acq: 22 Dec 2016 23:15

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.1	17.4	26.0
279	35.9	25.9	38.9





#26

Benzo(a,h,i)perylene

Concen: 2.20 ng/ul

RT: 26.39 min Scan# 1825

Delta R.T. -0.02 min

Lab File: BM008569.D

Acq: 22 Dec 2016 23:15

Instrument :

BNA_M

ClientSampleId :

DA843DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.3	21.8	32.8
138	15.5	20.5	30.7

Manual Integrations
APPROVED

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12/28/2016 5:55:48 PM

