

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122216\
 Data File : BM008574.D
 Acq On : 23 Dec 2016 02:16
 Operator : UM/SJ
 Sample : H5970-17DL 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA856DL

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Quant Time: Dec 23 05:57:16 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 05:50:04 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	369	0.40	ng/ul	-0.06
2) Naphthalene-d8	10.45	136	1140	0.40	ng/ul	-0.04
6) Acenaphthene-d10	14.30	164	665	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.06	188	1179	0.40	ng/ul	-0.02
16) Chrysene-d12	21.25	240	1256	0.40	ng/ul	-0.02
20) Perylene-d12	23.48	264	1417	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.07	152	84	0.05	ng/ul	-0.02
14) Fluoranthene-d10	19.10	212	231	0.07	ng/ul	-0.01
Target Compounds					Ovalue	
3) Naphthalene	10.50	128	435	0.14	ng/ul#	52
5) 2-Methylnaphthalene	12.14	142	422	0.20	ng/ul	95
7) Acenaphthylene	14.01	152	903	0.30	ng/ul#	85
8) Acenaphthene	14.35	153	156	0.07	ng/ul#	81
9) Fluorene	15.36	166	186	0.07	ng/ul#	74
12) Phenanthrene	17.09	178	2135	0.59	ng/ul	98
13) Anthracene	17.19	178	1371m	0.39	ng/ul	
15) Fluoranthene	19.12	202	4902	1.11	ng/ul	96
17) Pyrene	19.48	202	8231	1.70	ng/ul	97
18) Benzo(a)anthracene	21.24	228	5566m	1.35	ng/ul	
19) Chrysene	21.28	228	6923m	1.53	ng/ul	
21) Benzo(b)fluoranthene	22.81	252	14084m	2.52	ng/ul	
22) Benzo(k)fluoranthene	22.85	252	4298m	0.79	ng/ul	
23) Benzo(a)pyrene	23.38	252	7233m	1.40	ng/ul	
24) Indeno(1,2,3-cd)pyrene	25.71	276	5451	0.88	ng/ul#	89
25) Dibenzo(a,h)anthracene	25.71	278	1465	0.30	ng/ul#	87
26) Benzo(a,h,i)perylene	26.40	276	5030	0.95	ng/ul#	92

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

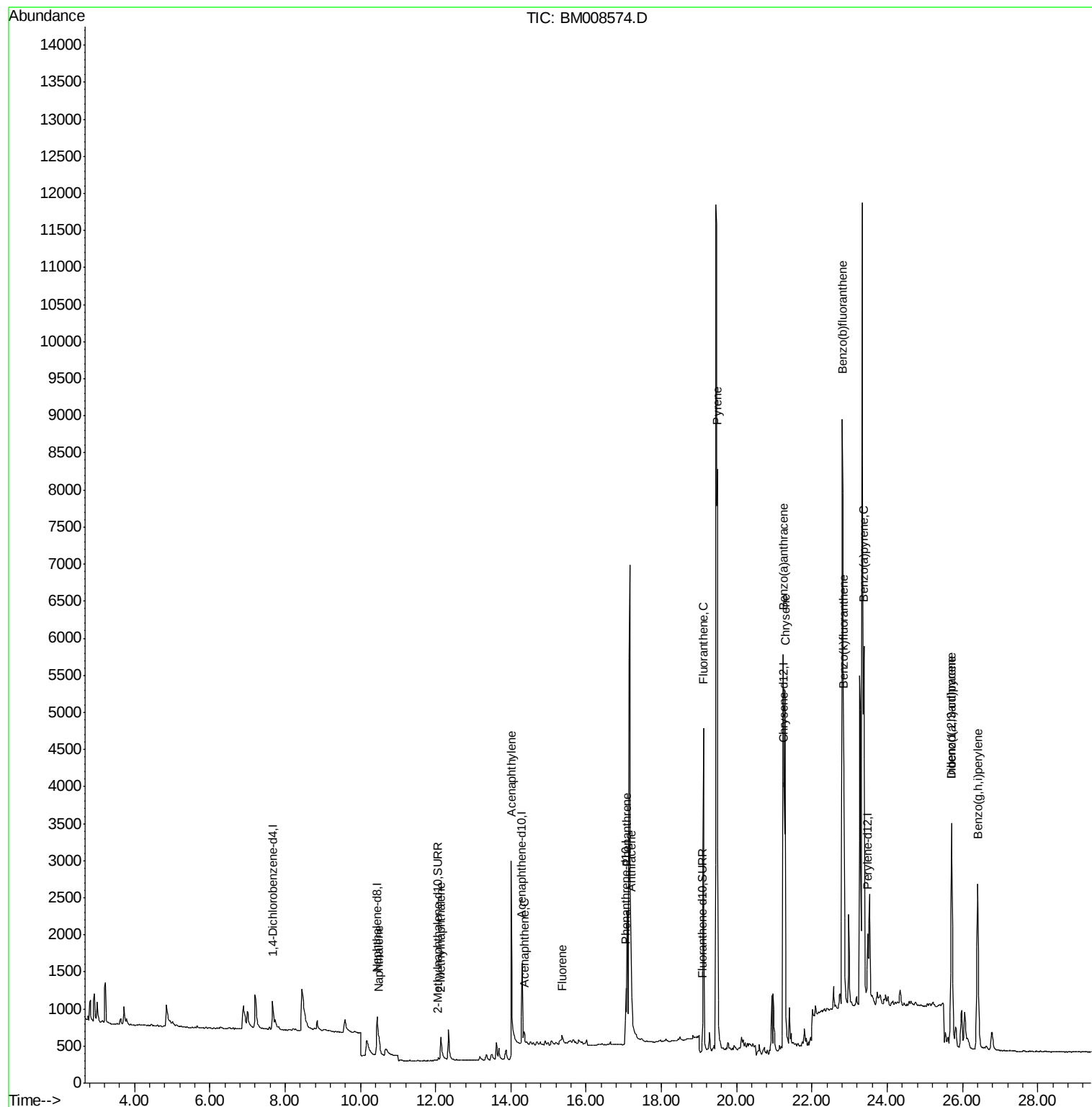
Data Path : Z:\HPCHEM1\BNA M\DATA\BM122216\
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ALS Vial : 22 Sample Multiplier: 1

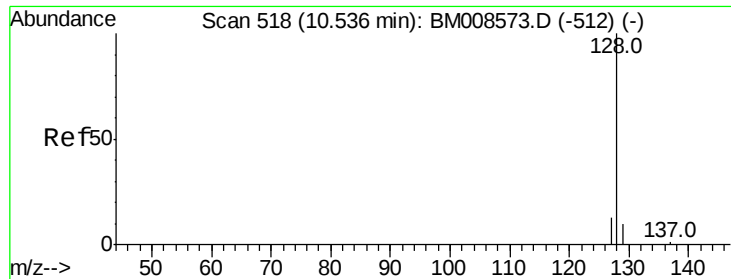
Instrument :
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM121916.M
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QLast Update : Fri Dec 23 05:50:04 2016
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.14 ng/ul

RT: 10.50 min Scan# 515

Delta R.T. -0.04 min

Lab File: BM008574.D

Acq: 23 Dec 2016 02:16

Instrument :

BNA_M

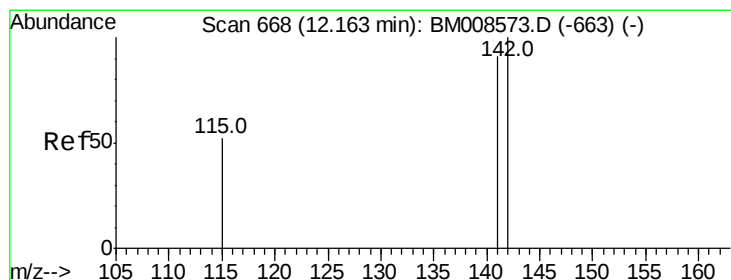
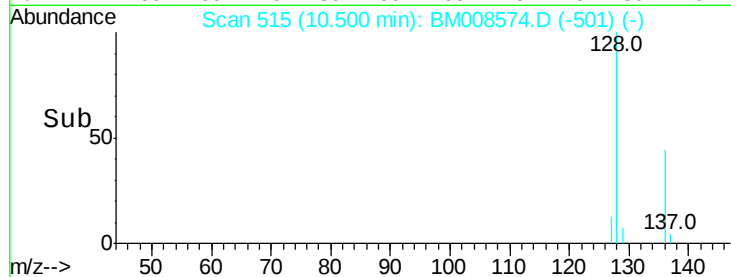
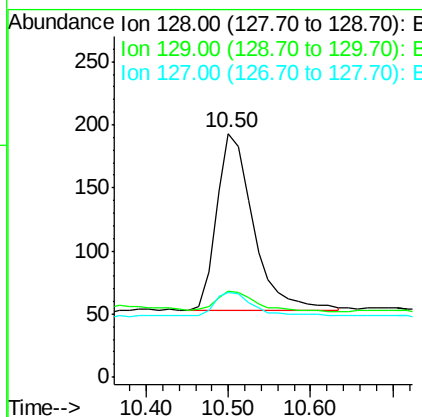
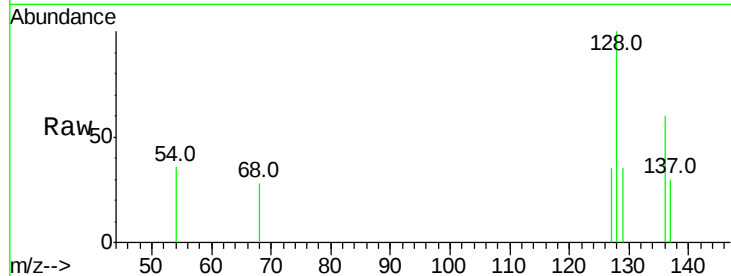
ClientSampleId :

DA856DL

Tot Ion:	128	Resp:	435
Ion Ratio	Lower	Upper	
128	100		
129	35.2	11.3	16.9#
127	34.7	12.8	19.2#

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#5

2-Methylnaphthalene

Concen: 0.20 ng/ul

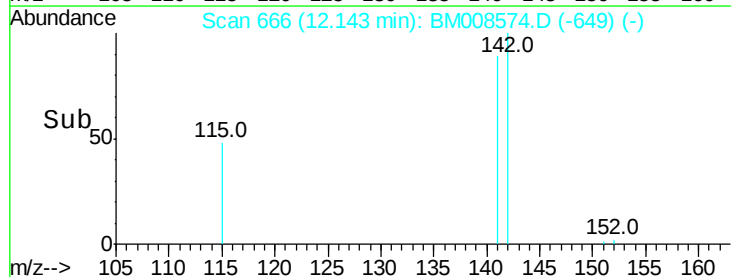
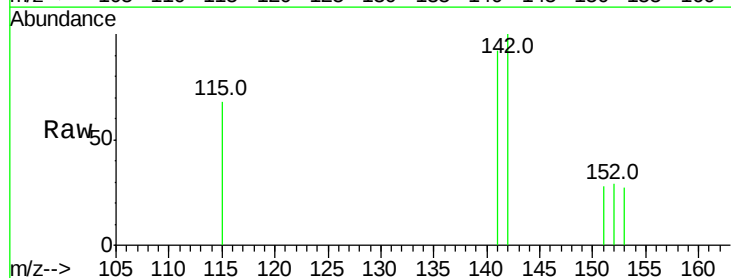
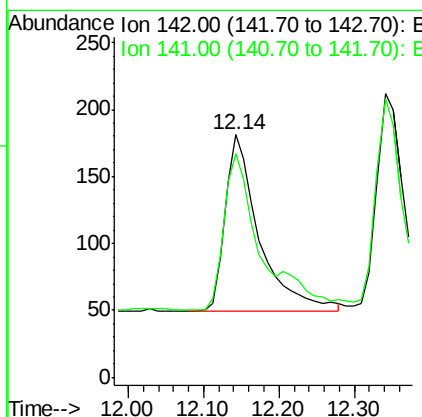
RT: 12.14 min Scan# 666

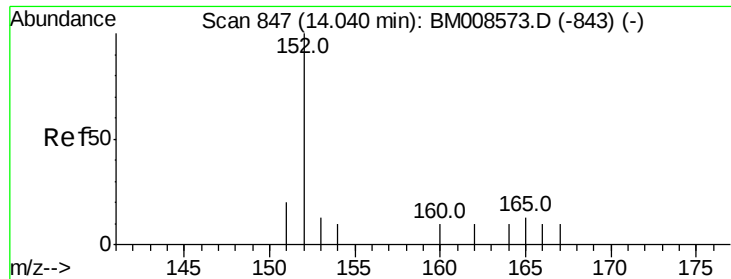
Delta R.T. -0.02 min

Lab File: BM008574.D

Acq: 23 Dec 2016 02:16

Tgt Ion:	142	Resp:	422
Ion Ratio	Lower	Upper	
142	100		
141	95.5	72.6	108.8





#7

Acenaphthylene

Concen: 0.30 ng/ul

RT: 14.01 min Scan# 845

Delta R.T. -0.03 min

Lab File: BM008574.D

Acq: 23 Dec 2016 02:16

Instrument :

BNA_M

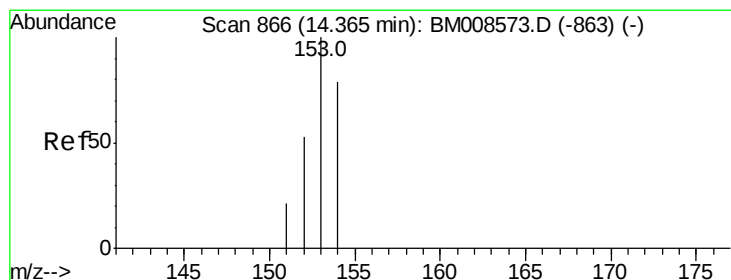
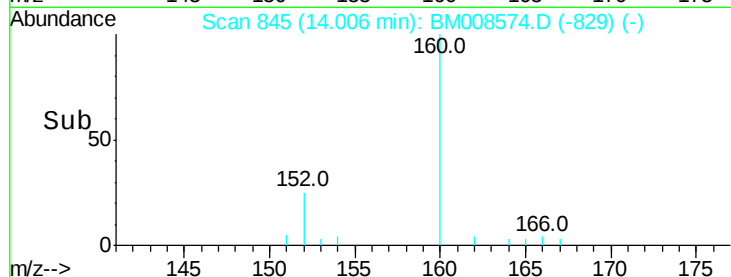
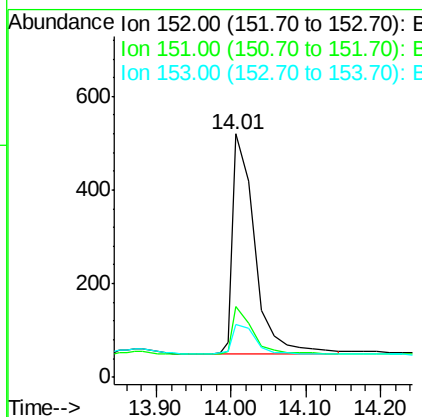
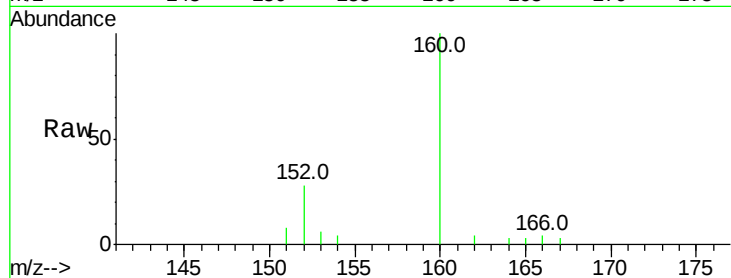
ClientSampleId :

DA856DL

Tot Ion:	152	Resp:	903
Ion Ratio	Lower	Upper	
152	100		
151	29.0	17.1	25.7#
153	21.9	12.8	19.2#

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#8

Acenaphthene

Concen: 0.07 ng/ul

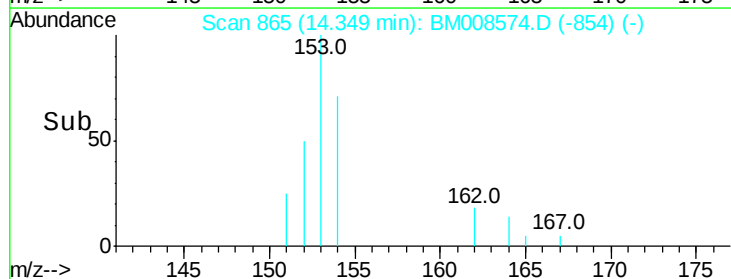
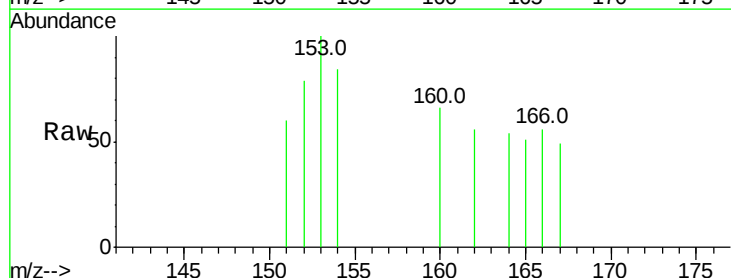
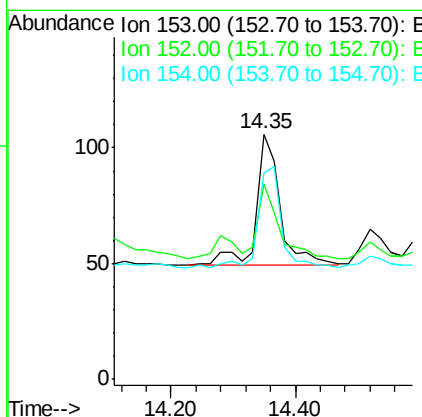
RT: 14.35 min Scan# 865

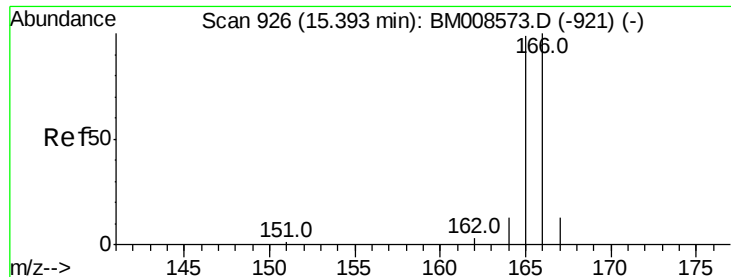
Delta R.T. -0.02 min

Lab File: BM008574.D

Acq: 23 Dec 2016 02:16

Tgt Ion:	153	Resp:	156
Ion Ratio	Lower	Upper	
153	100		
152	79.2	40.3	60.5#
154	84.0	71.4	107.2





#9

Fluorene

Concen: 0.07 ng/ul

RT: 15.36 min Scan# 924

Delta R.T. -0.03 min

Lab File: BM008574.D

Acq: 23 Dec 2016 02:16

Instrument :

BNA_M

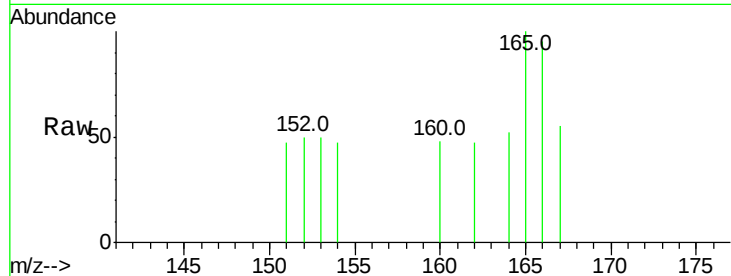
ClientSampleId :

DA856DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	104.8	73.4	110.2
167	57.7	14.6	22.0

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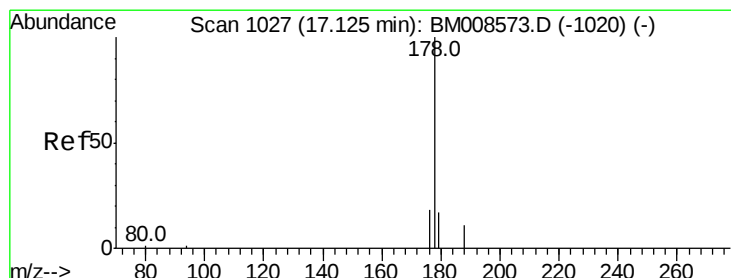
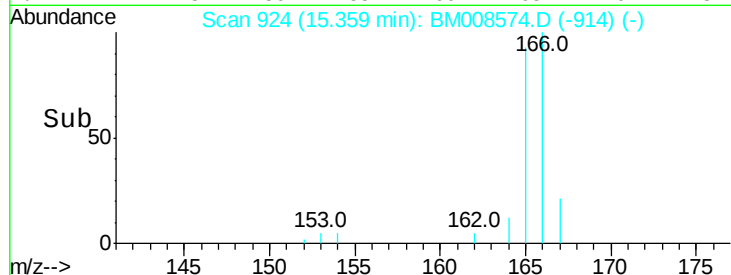
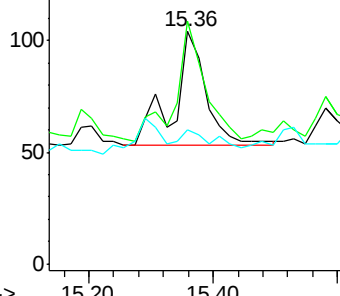


Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#12

Phenanthrene

Concen: 0.59 ng/ul

RT: 17.09 min Scan# 1025

Delta R.T. -0.03 min

Lab File: BM008574.D

Acq: 23 Dec 2016 02:16

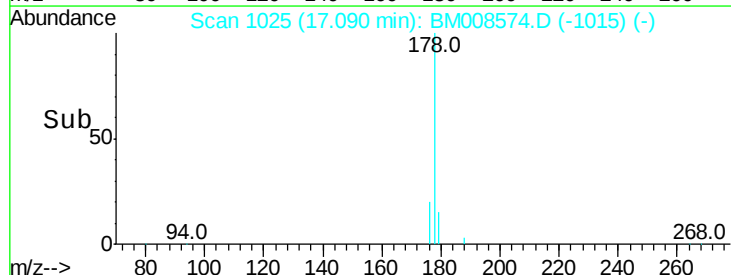
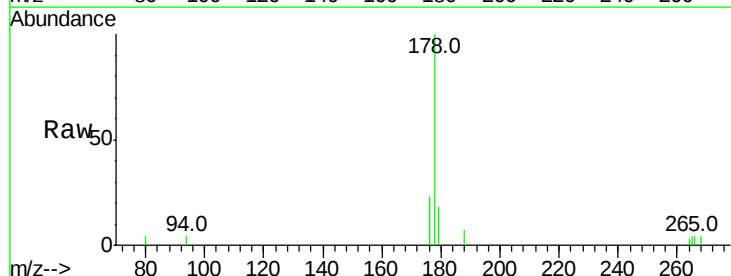
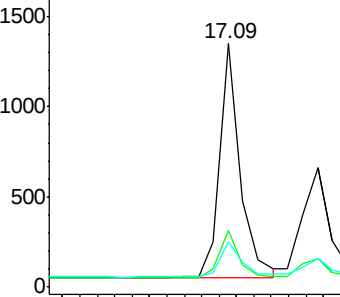
Tgt Ion	Ratio	Lower	Upper
178	100		
176	23.4	18.4	27.6
179	18.4	13.6	20.4

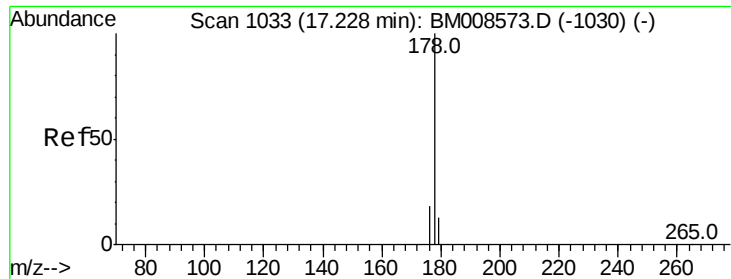
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





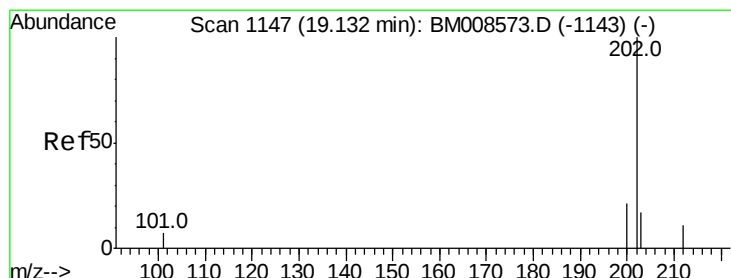
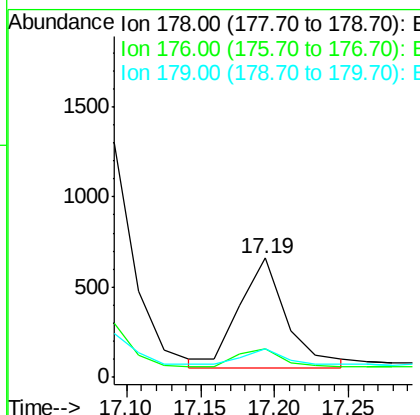
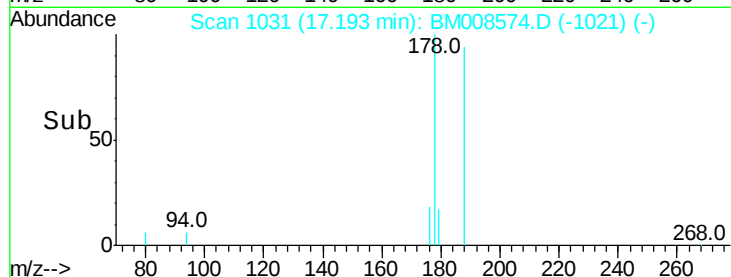
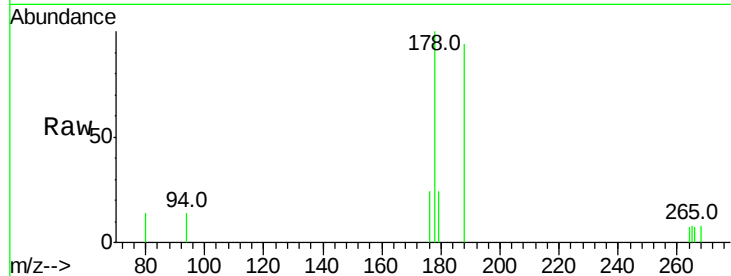
#13
 Anthracene
 Concen: 0.39 ng/ul m
 RT: 17.19 min Scan# 1031
 Delta R.T. -0.03 min
 Lab File: BM008574.D
 Acq: 23 Dec 2016 02:16

Instrument :
 BNA_M
 ClientSampleId :
 DA856DL

Tot Ion:178 Resp: 1371
 Ion Ratio Lower Upper
 178 100
 176 24.3 18.1 27.1
 179 24.3 14.7 22.1#

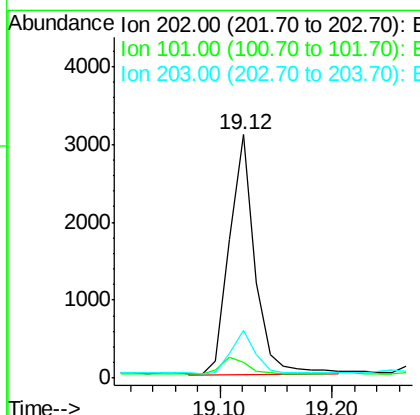
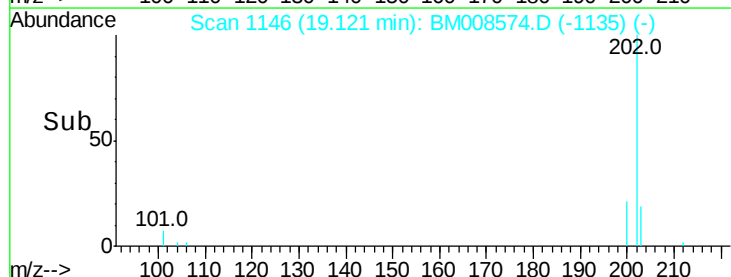
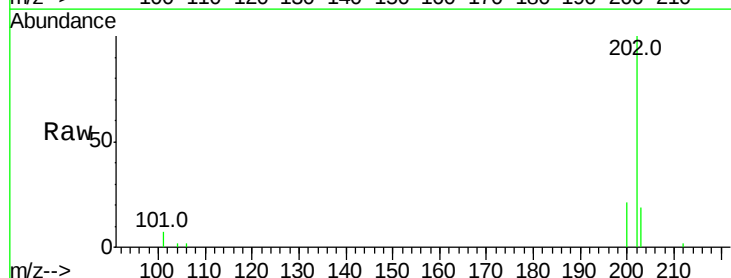
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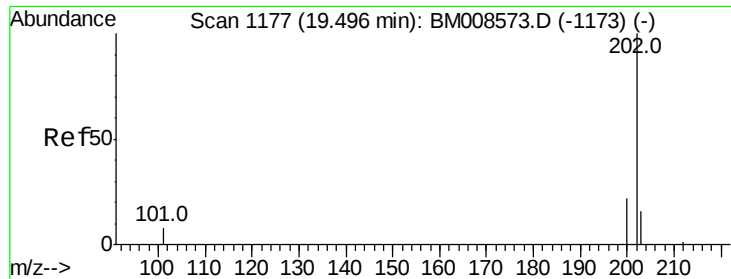
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#15
 Fluoranthene
 Concen: 1.11 ng/ul
 RT: 19.12 min Scan# 1146
 Delta R.T. -0.01 min
 Lab File: BM008574.D
 Acq: 23 Dec 2016 02:16

Tgt Ion:202 Resp: 4902
 Ion Ratio Lower Upper
 202 100
 101 6.6 0.0 30.3
 203 19.4 0.0 39.5





#17

Pvrene

Concen: 1.70 ng/ul

RT: 19.48 min Scan# 1176

Delta R.T. -0.01 min

Lab File: BM008574.D

Acq: 23 Dec 2016 02:16

Instrument :

BNA_M

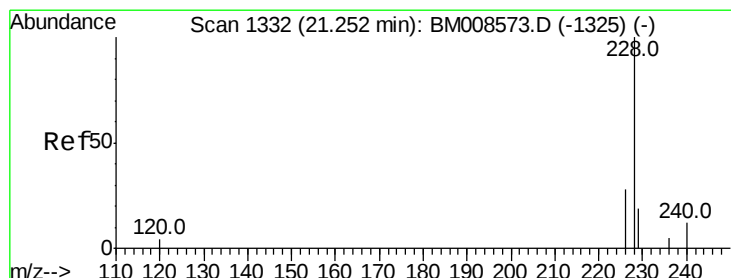
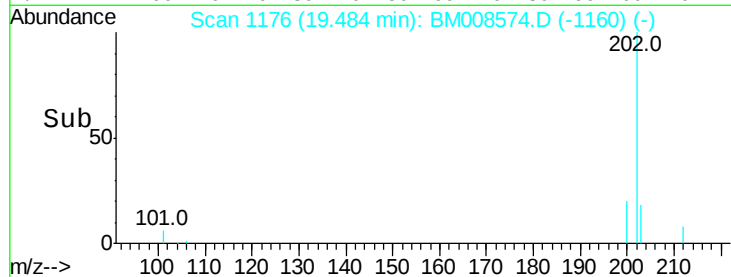
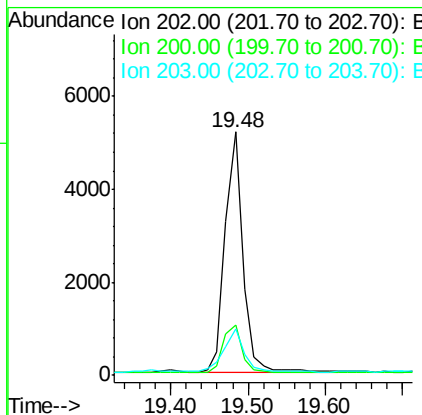
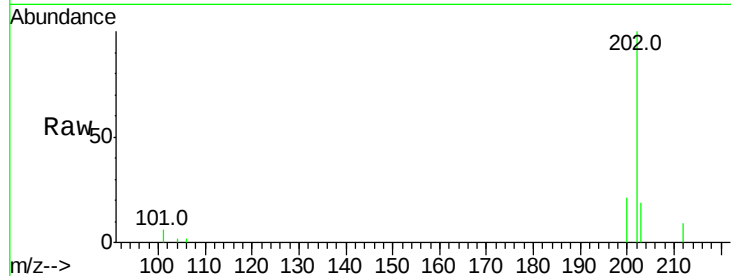
ClientSampleId :

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Tot Ion:	202	Resp:	8231
Ion Ratio	Lower	Upper	
202	100		
200	20.8	18.2	27.4
203	18.9	15.6	23.4

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#18

Benzo(a)anthracene

Concen: 1.35 ng/ul m

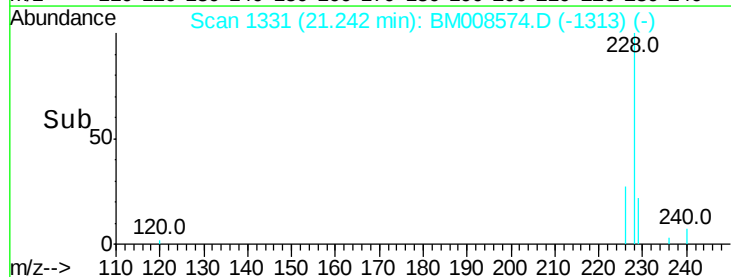
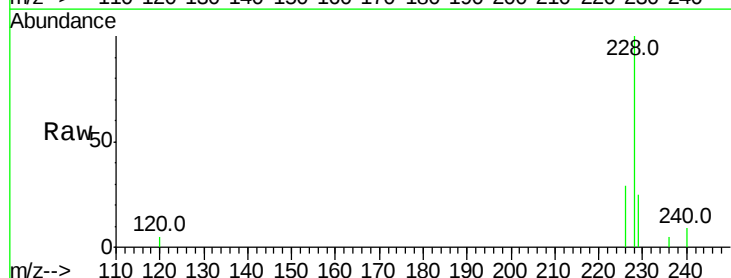
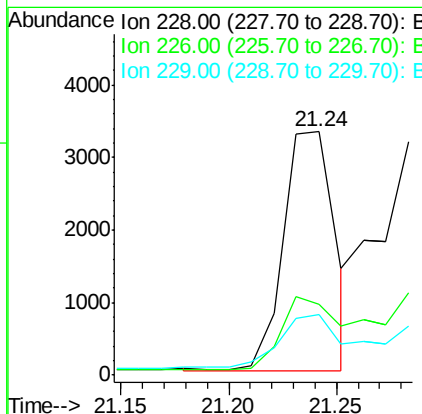
RT: 21.24 min Scan# 1331

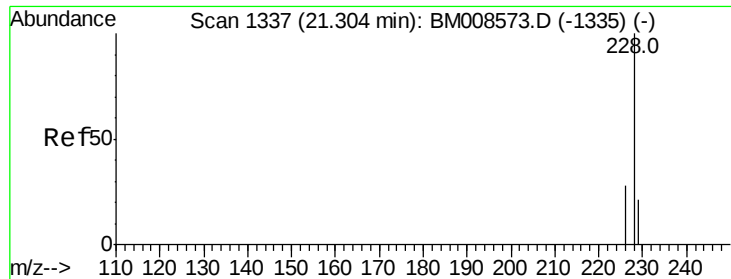
Delta R.T. -0.01 min

Lab File: BM008574.D

Acq: 23 Dec 2016 02:16

Tgt Ion:	228	Resp:	5566
Ion Ratio	Lower	Upper	
228	100		
226	28.8	22.8	34.2
229	24.7	17.0	25.6





#19

Chrysene

Concen: 1.53 ng/ul m

RT: 21.28 min Scan# 1335

Delta R.T. -0.02 min

Lab File: BM008574.D

Acq: 23 Dec 2016 02:16

Instrument :

BNA_M

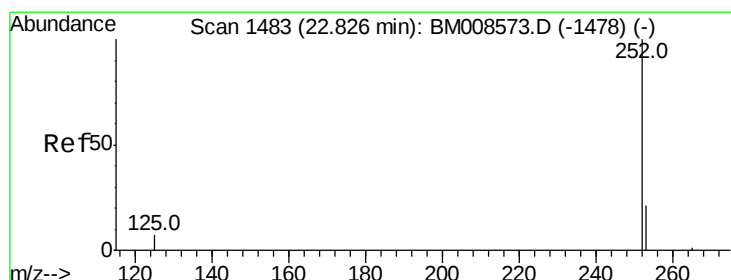
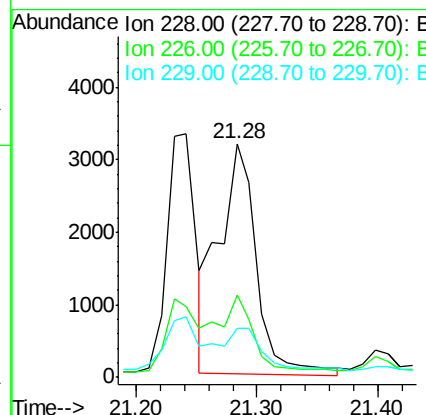
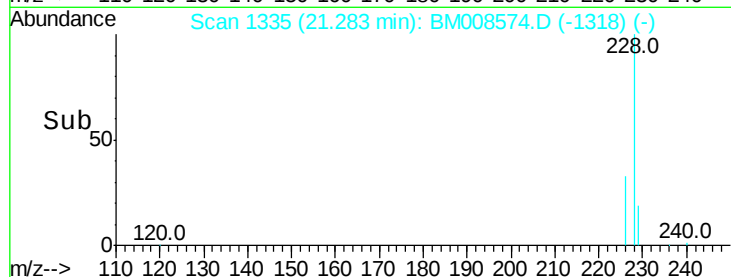
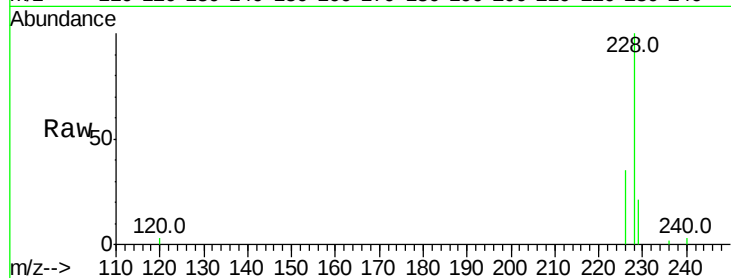
ClientSampleId :

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Tot Ion:	228	Resp:	6923
Ion Ratio	Lower	Upper	
228	100		
226	34.9	23.4	35.0
229	20.9	17.7	26.5

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#21

Benzo(b)fluoranthene

Concen: 2.52 ng/ul m

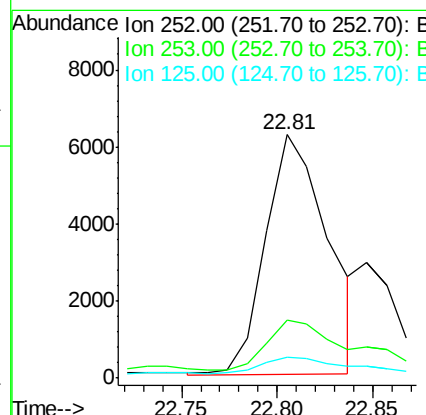
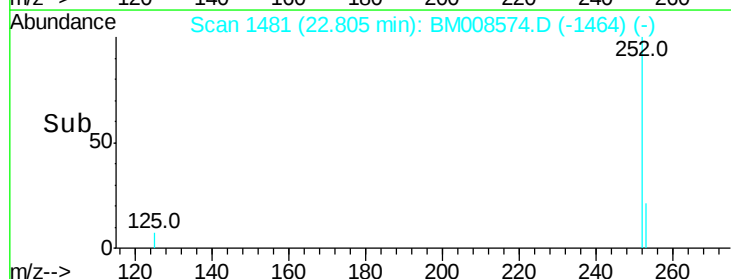
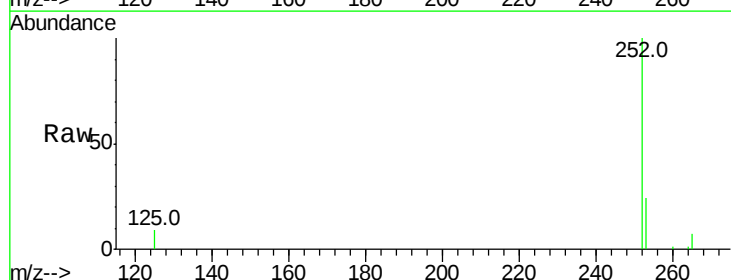
RT: 22.81 min Scan# 1481

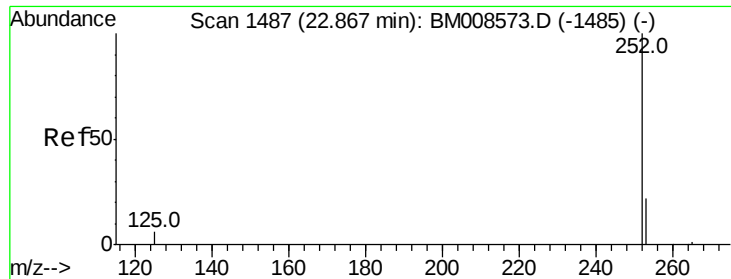
Delta R.T. -0.02 min

Lab File: BM008574.D

Acq: 23 Dec 2016 02:16

Tgt Ion:	252	Resp:	14084
Ion Ratio	Lower	Upper	
252	100		
253	23.8	0.0	64.2
125	8.8	0.0	35.0





#22

Benzo(k)fluoranthene

Concen: 0.79 ng/ul m

RT: 22.85 min Scan# 1485

Delta R.T. -0.02 min

Lab File: BM008574.D

Acq: 23 Dec 2016 02:16

Instrument :

BNA_M

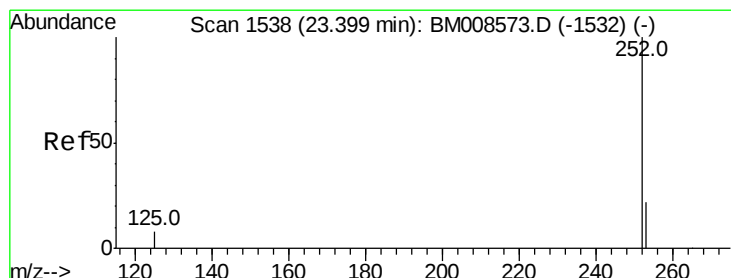
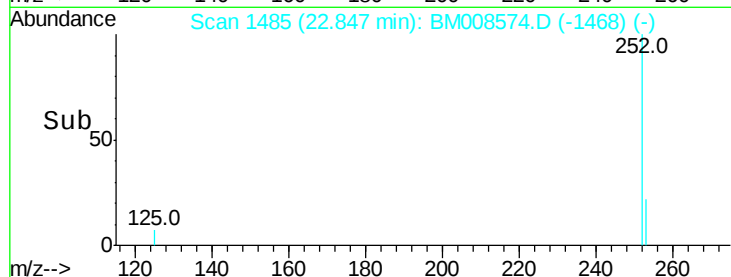
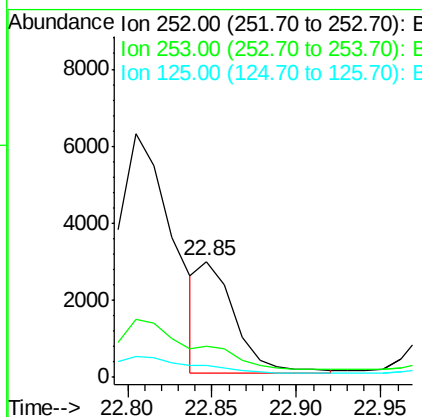
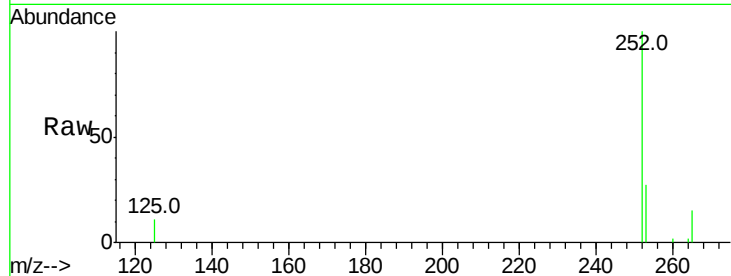
ClientSampleId :

DA856DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.1	24.5	36.7
125	10.5	13.7	20.5#

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#23

Benzo(a)pyrene

Concen: 1.40 ng/ul m

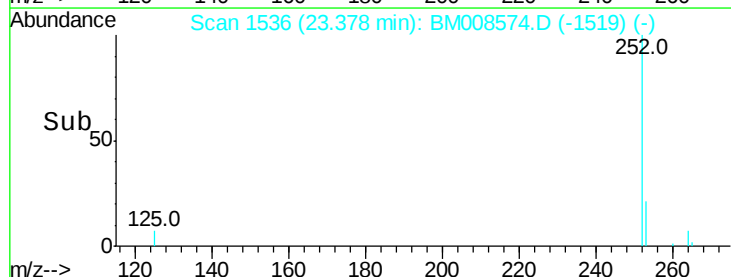
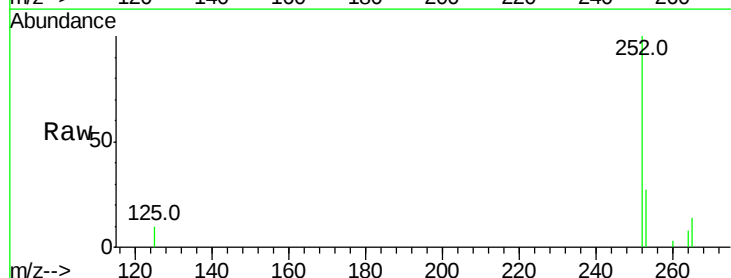
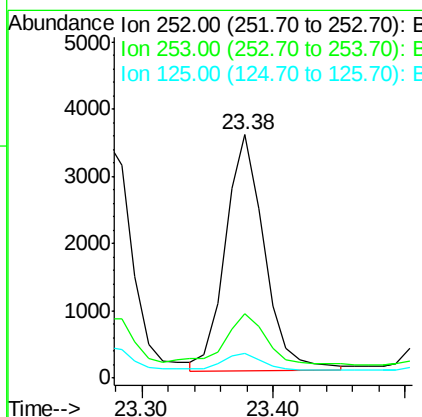
RT: 23.38 min Scan# 1536

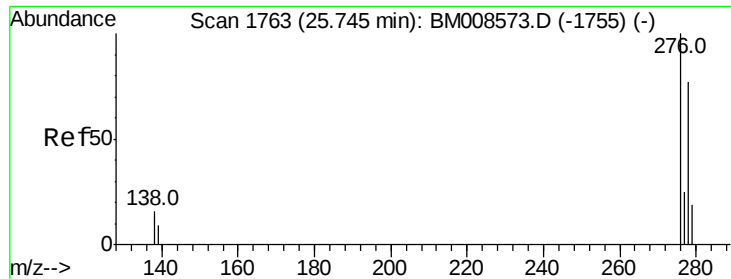
Delta R.T. -0.02 min

Lab File: BM008574.D

Acq: 23 Dec 2016 02:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.6	28.5	42.7#
125	10.3	18.1	27.1#





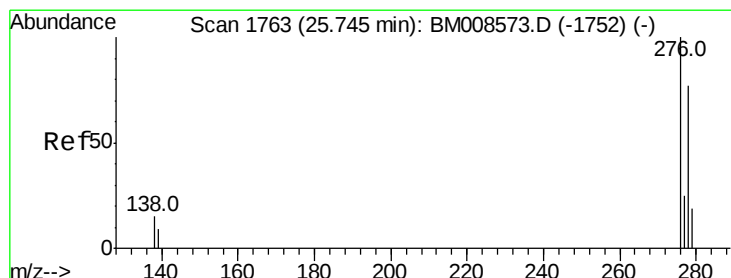
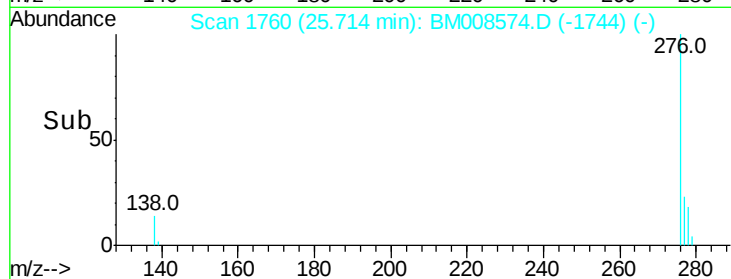
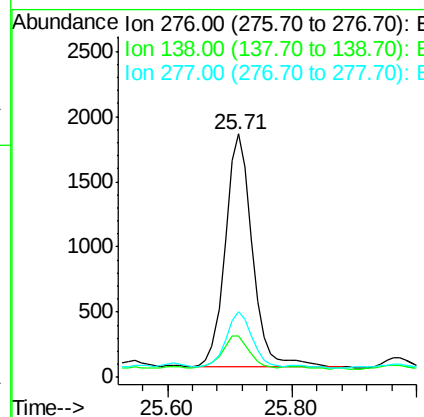
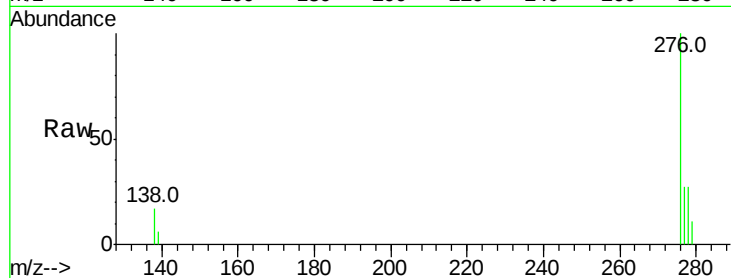
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.88 ng/ul
 RT: 25.71 min Scan# 1760
 Delta R.T. -0.03 min
 Lab File: BM008574.D
 Acq: 23 Dec 2016 02:16

Instrument :
 BNA_M
 ClientSampleID :
 DA856DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	13.8	19.1	28.7#
277	23.6	19.6	29.4

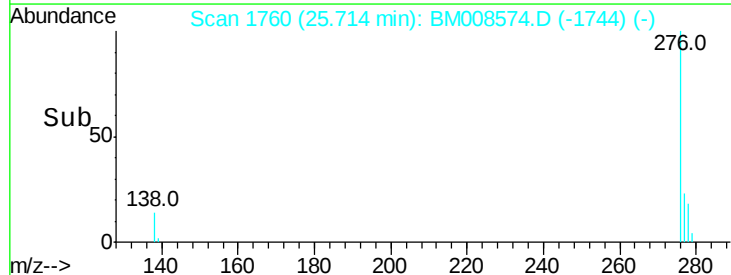
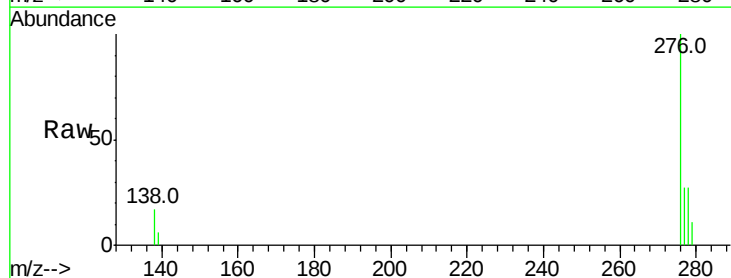
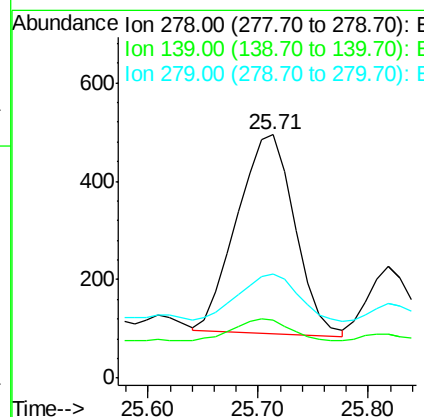
Manual Integrations
 APPROVED

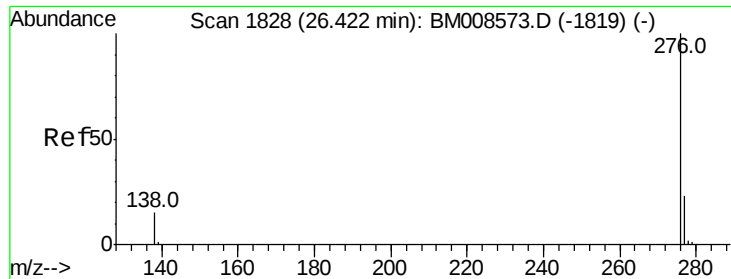
umangi
 12/23/2016 6:12:02 PM



#25
 Dibenzo(a,h)anthracene
 Concen: 0.30 ng/ul
 RT: 25.71 min Scan# 1760
 Delta R.T. -0.03 min
 Lab File: BM008574.D
 Acq: 23 Dec 2016 02:16

Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.8	17.4	26.0
279	42.8	25.9	38.9#





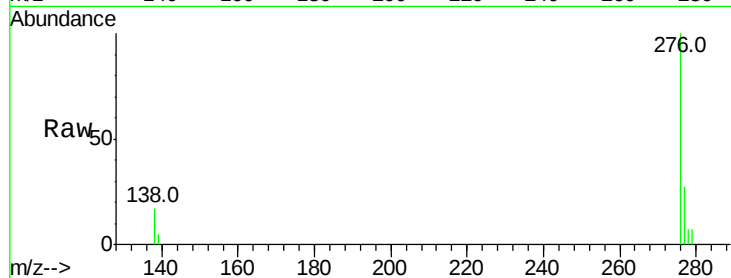
#26
 Benzo(a,h,i)perylene
 Concen: 0.95 ng/ul
 RT: 26.40 min Scan# 1826
 Delta R.T. -0.02 min
 Lab File: BM008574.D
 Acq: 23 Dec 2016 02:16

Instrument :
 BNA_M
 ClientSampleId :
 DA856DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.3	21.8	32.8
138	17.3	20.5	30.7

Manual Integrations
 APPROVED

umangi
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

