

Data Path : Z:\HPCHEM1\BNA M\DATA\BM041815\
 Data File : BM001064.D
 Acq On : 18 Apr 2015 17:35
 Operator : TP/IZ
 Sample : G1802-01MSD 10X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SP-D6MSD

Manual Integrations
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Quant Time: Apr 20 08:22:12 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SIMPAH-BM041815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 20 08:05:22 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	25224	5.00	ng	0.00
4) Naphthalene-d8	10.36	136	93905	5.00	ng	0.00
8) Acenaphthene-d10	14.24	164	50137	5.00	ng	0.00
13) Phenanthrene-d10	16.99	188	105009	5.00	ng	0.00
19) Chrysene-d12	21.19	240	85218	5.00	ng	0.00
25) Perylene-d12	23.36	264	80234	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	8.74	82	4420	0.90	ng	0.00
9) 2-Fluorobiphenyl	12.86	172	13291	0.80	ng	0.00
21) Terphenyl-d14	19.63	244	9838	0.87	ng	0.00
Target Compounds						Ovalue
2) 1,4-Dioxane	3.08	88	1860	0.65	ng	# 100
3) n-Nitrosodimethylamine	3.41	42	1601	0.60	ng	# 92
6) Naphthalene	10.41	128	19161	0.85	ng	100
7) 2-Methylnaphthalene	12.04	142	11824	0.82	ng	96
10) Acenaphthylene	13.95	152	25596	1.16	ng	99
11) Acenaphthene	14.29	154	12043	0.78	ng	100
12) Fluorene	15.29	166	15281	0.86	ng	99
14) Hexachlorobenzene	16.31	284	4634	0.80	ng	# 100
15) Pentachlorophenol	16.64	266	2303	1.36	ng	97
16) Phenanthrene	17.03	178	39602	1.42	ng	100
17) Anthracene	17.11	178	27919	1.09	ng	97
18) Fluoranthene	19.05	202	74010	2.55	ng	99
20) Pyrene	19.42	202	72458	2.57	ng	97
22) Benzo(a)anthracene	21.17	228	48696	1.97	ng	96
23) Chrysene	21.22	228	46692	1.80	ng	98
24) Indeno(1,2,3-cd)pyrene	25.53	276	39739	1.50	ng	97
26) Benzo(b)fluoranthene	22.70	252	59645	2.31	ng	# 97
27) Benzo(k)fluoranthene	22.74	252	27933m	1.13	ng	
28) Benzo(a)pyrene	23.25	252	43019	1.95	ng	96
29) Dibenzo(a,h)anthracene	25.54	278	21050	0.97	ng	98
30) Benzo(g,h,i)perylene	26.18	276	37650	1.59	ng	99

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

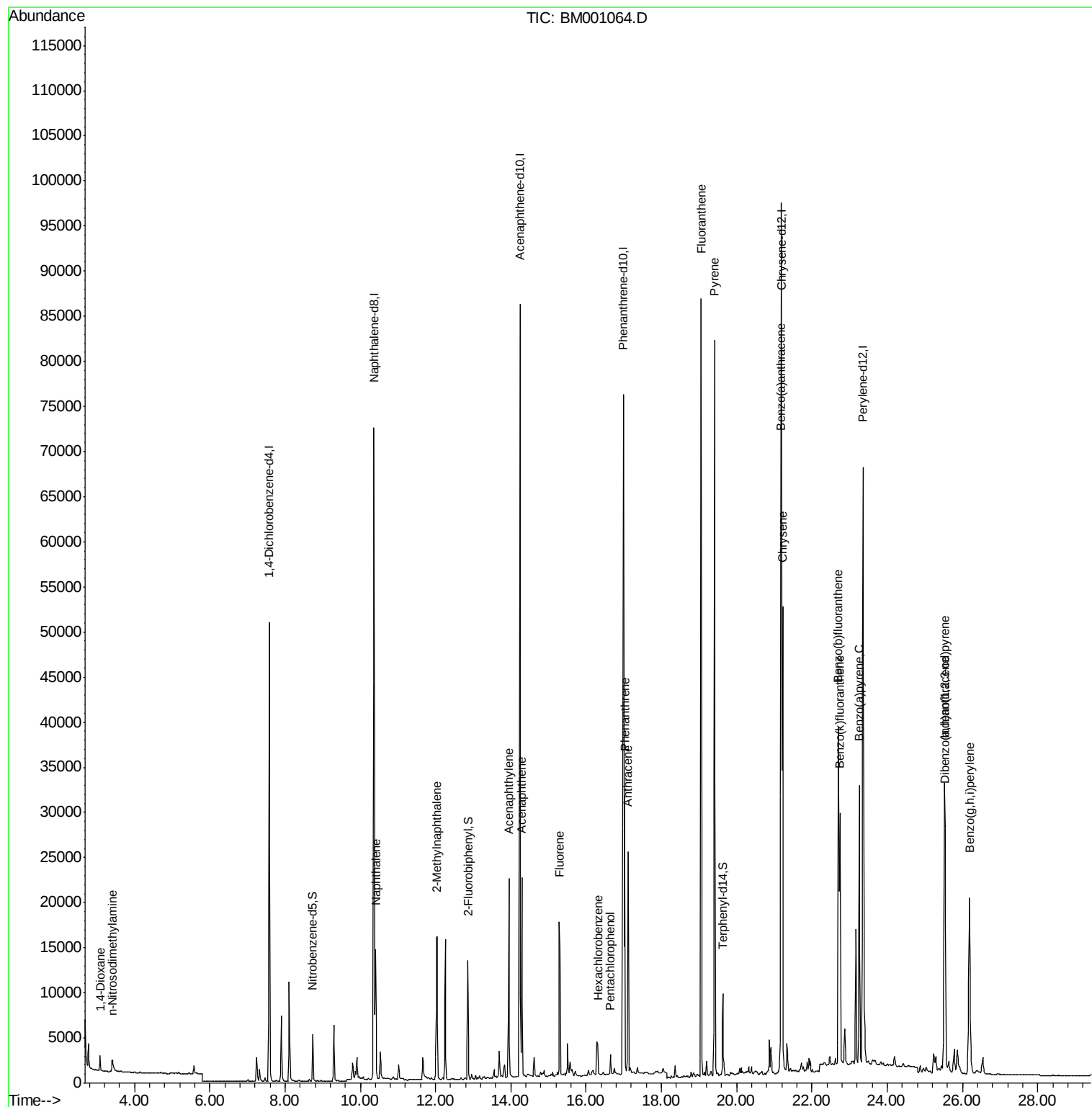
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QLast Update : Mon Apr 20 08:05:22 2015
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.58 min Scan# 631

Delta R.T. 0.00 min

Lab File: BM001064.D

Acq: 18 Apr 2015 17:35

Instrument :

BNA_M

ClientSampleId :

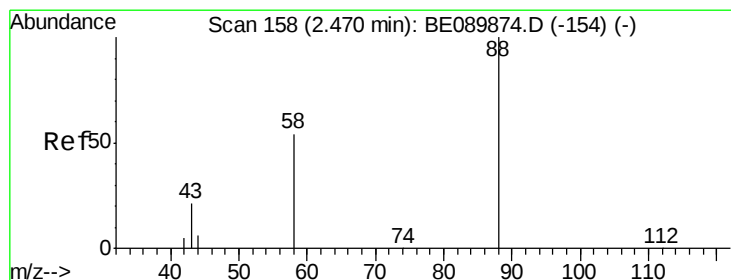
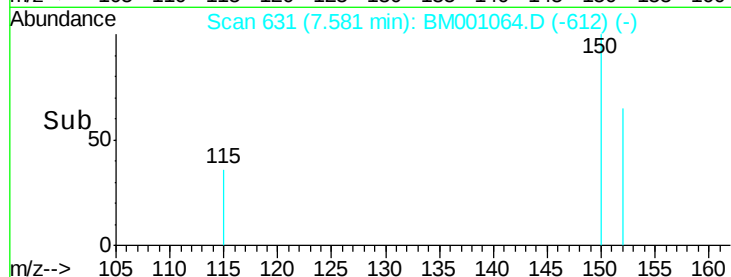
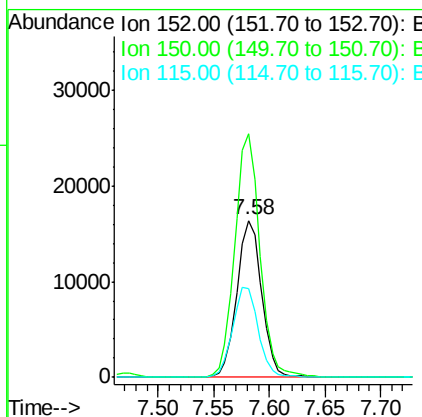
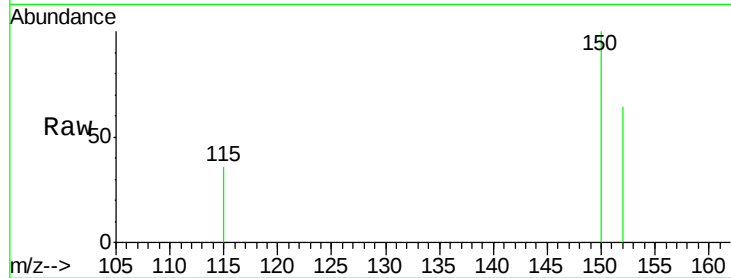
SP-D6MSD

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Tot Ion:	152	Resp:	25224
Ion	Ratio	Lower	Upper
152	100		
150	155.3	123.3	184.9
115	56.4	45.0	67.6



#2

1,4-Dioxane

Concen: 0.65 ng

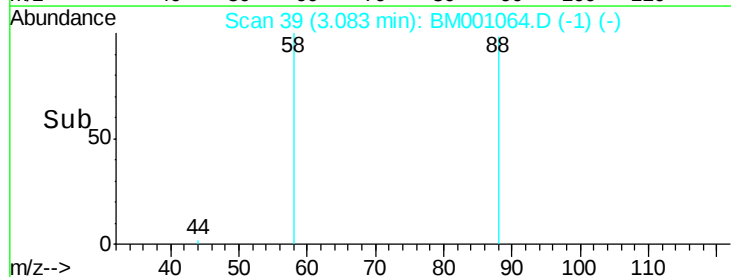
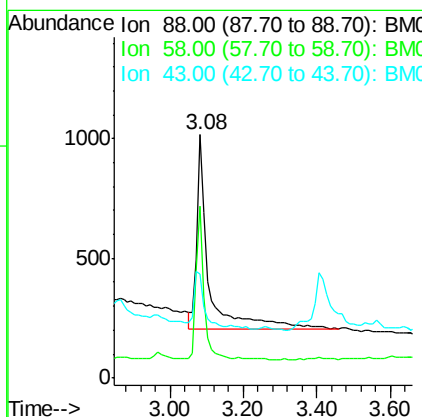
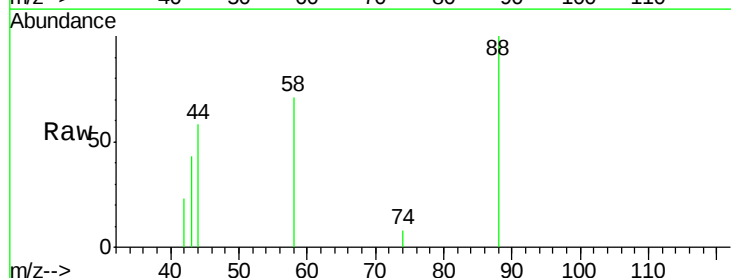
RT: 3.08 min Scan# 39

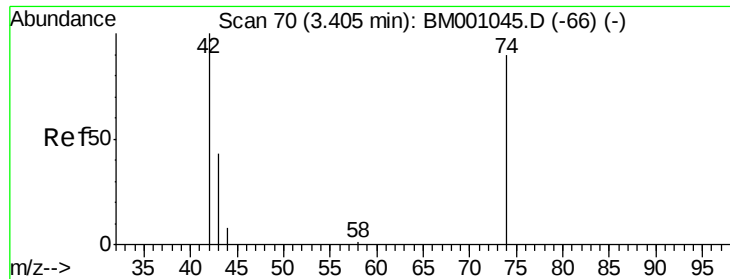
Delta R.T. 0.00 min

Lab File: BM001064.D

Acq: 18 Apr 2015 17:35

Tgt Ion:	88	Resp:	1860
Ion	Ratio	Lower	Upper
88	100		
58	51.4	0.0	0.0#
43	22.2	0.0	0.0#





#3

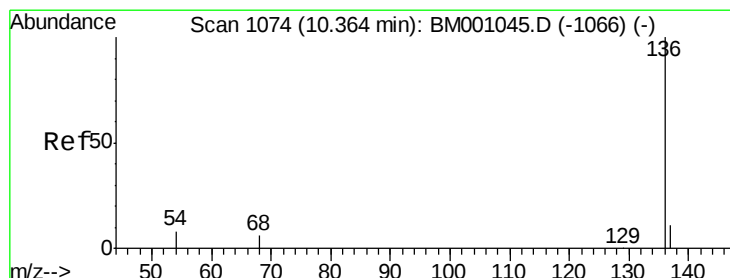
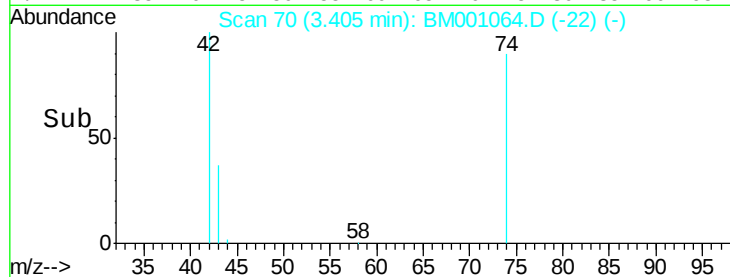
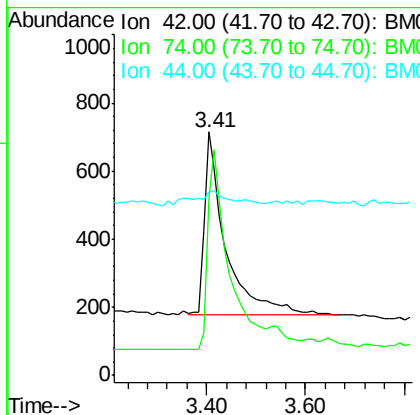
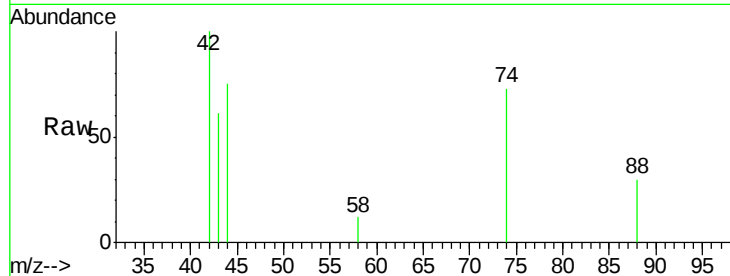
n-Nitrosodimethylamine
 Concen: 0.60 ng
 RT: 3.41 min Scan# 70
 Delta R.T. 0.00 min
 Lab File: BM001064.D
 Acq: 18 Apr 2015 17:35

Instrument :
 BNA_M
 ClientSampleId :
 SP-D6MSD

Tot Ion	Ratio	Lower	Upper
42	100		
74	106.7	92.1	138.1
44	5.4	5.8	8.6

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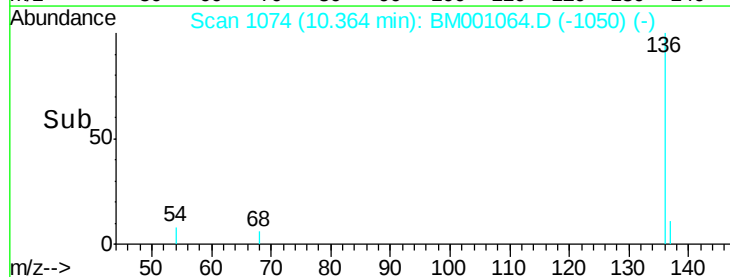
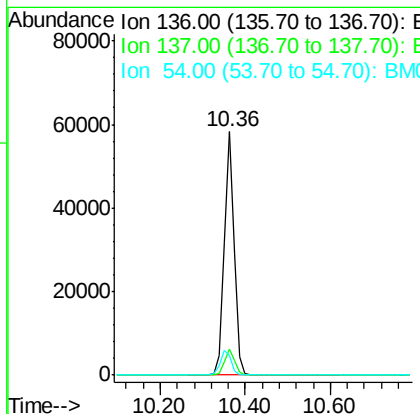
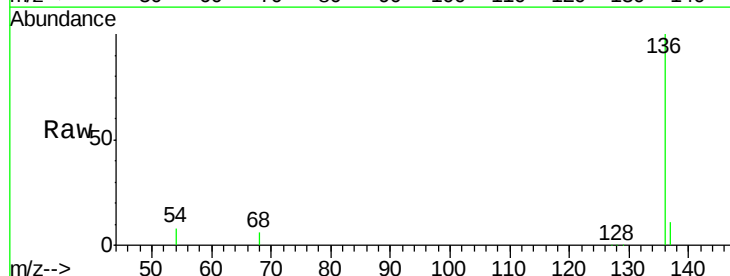
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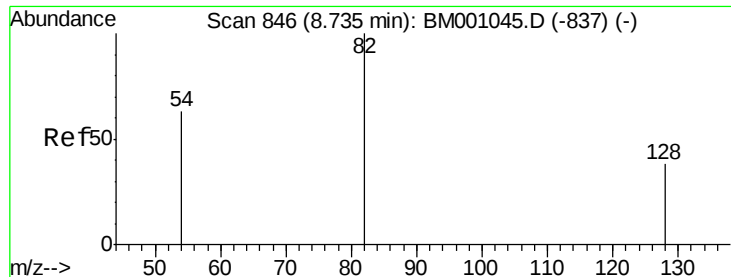


#4

Naphthalene-d8
 Concen: 5.00 ng
 RT: 10.36 min Scan# 1074
 Delta R.T. 0.00 min
 Lab File: BM001064.D
 Acq: 18 Apr 2015 17:35

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	7.8	6.5	9.7





#5

Nitrobenzene-d5

Concen: 0.90 ng

RT: 8.74 min Scan# 846

Delta R.T. 0.00 min

Lab File: BM001064.D

Acq: 18 Apr 2015 17:35

Instrument :

BNA_M

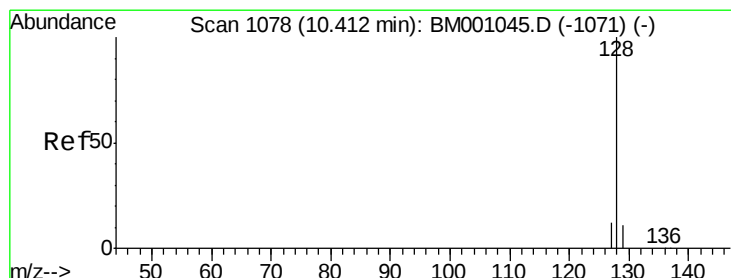
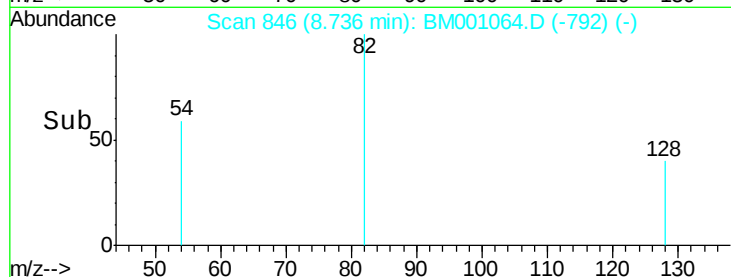
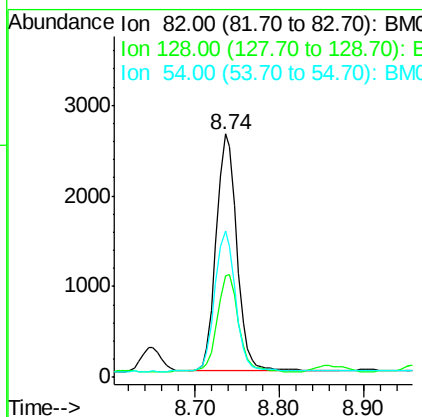
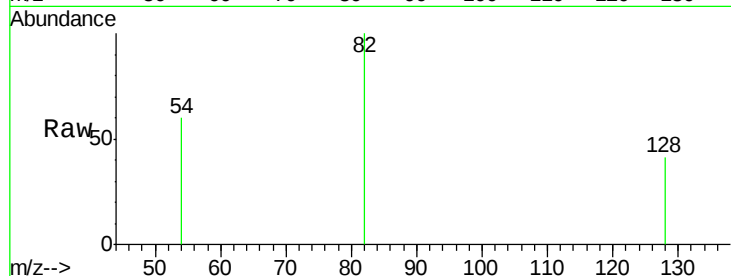
ClientSampleId :

SP-D6MSD

Tot Ion:	82	Resp:	4420
Ion	Ratio	Lower	Upper
82	100		
128	41.5	31.9	47.9
54	60.2	51.3	76.9

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#6

Naphthalene

Concen: 0.85 ng

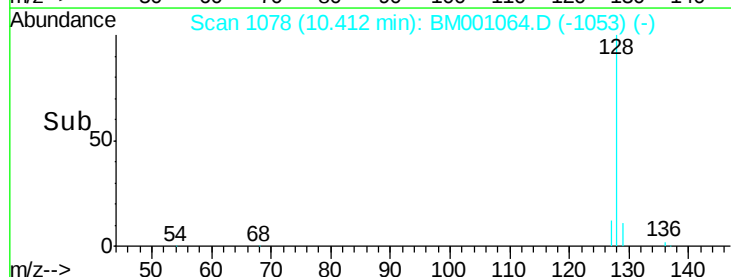
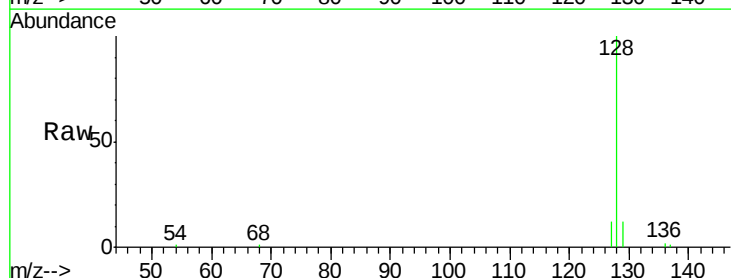
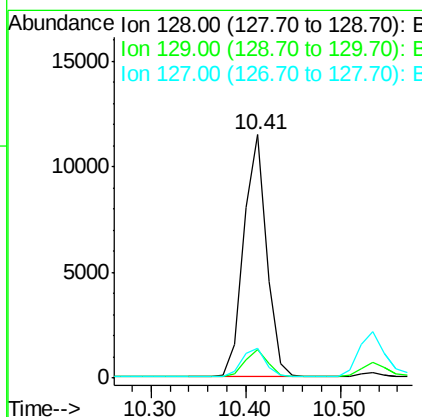
RT: 10.41 min Scan# 1078

Delta R.T. 0.00 min

Lab File: BM001064.D

Acq: 18 Apr 2015 17:35

Tgt Ion:	128	Resp:	19161
Ion	Ratio	Lower	Upper
128	100		
129	11.8	9.3	13.9
127	12.4	10.0	15.0





#7

2-Methylnaphthalene

Concen: 0.82 ng

RT: 12.04 min Scan# 1224

Delta R.T. 0.00 min

Lab File: BM001064.D

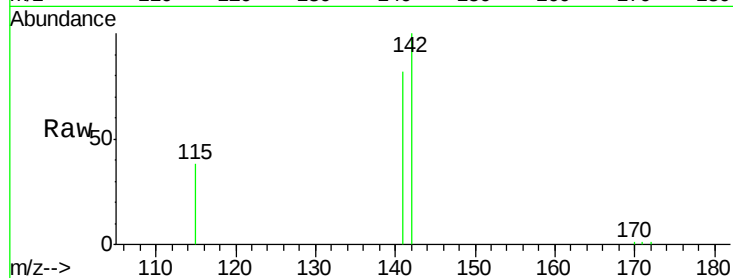
Acq: 18 Apr 2015 17:35

Instrument :

BNA_M

ClientSampleId :

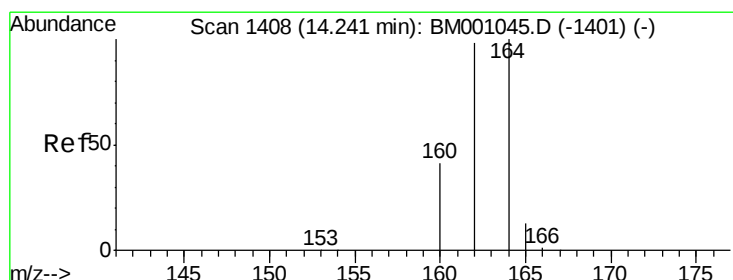
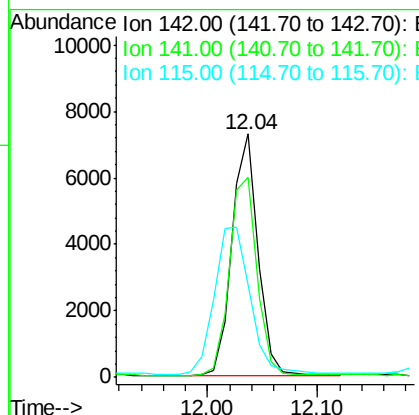
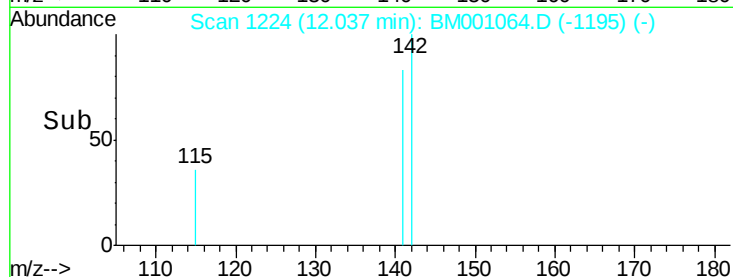
SP-D6MSD



Tot Ion:	142	Resp:	11824
Ion Ratio	Lower	Upper	
142	100		
141	82.0	66.7	100.1
115	37.9	25.5	38.3

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#8

Acenaphthene-d10

Concen: 5.00 ng

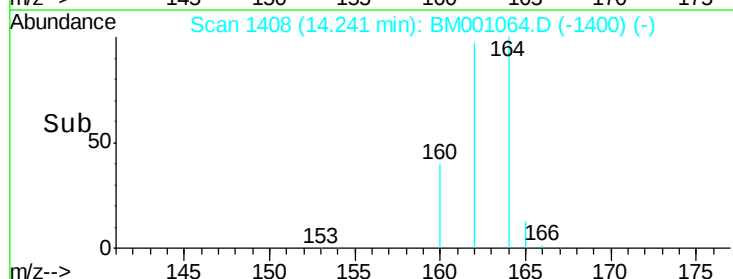
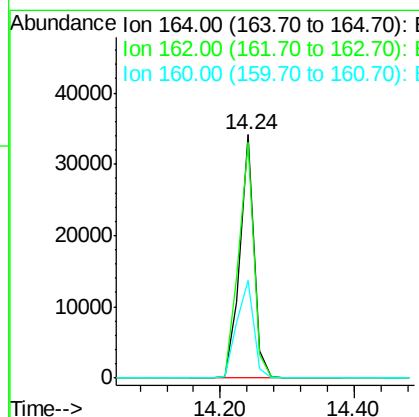
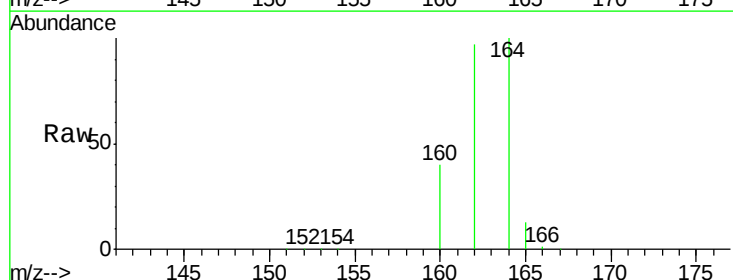
RT: 14.24 min Scan# 1408

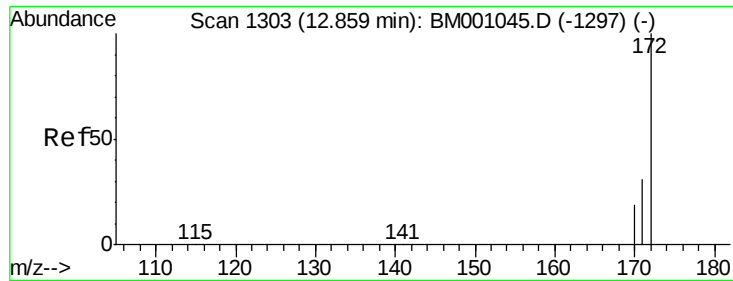
Delta R.T. 0.00 min

Lab File: BM001064.D

Acq: 18 Apr 2015 17:35

Tgt Ion:	164	Resp:	50137
Ion Ratio	Lower	Upper	
164	100		
162	97.0	78.5	117.7
160	40.1	32.9	49.3





#9

2-Fluorobiphenyl

Concen: 0.80 ng

RT: 12.86 min Scan# 1303

Delta R.T. 0.00 min

Lab File: BM001064.D

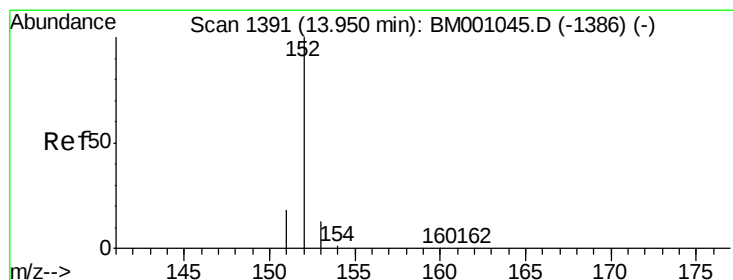
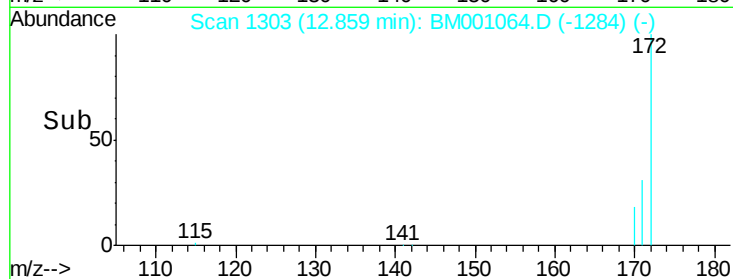
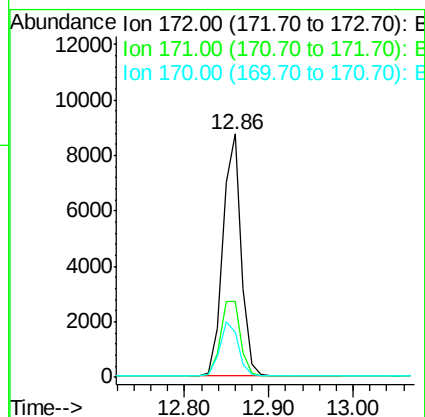
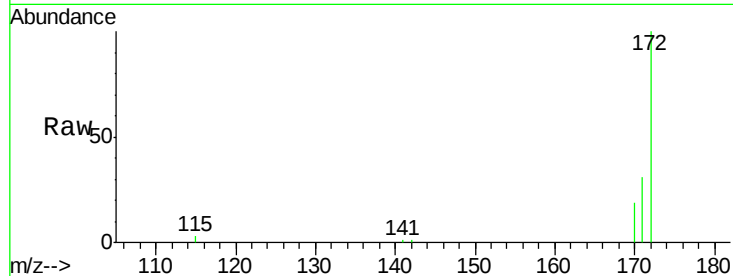
Acq: 18 Apr 2015 17:35

Instrument :
BNA_M
ClientSampleId :
SP-D6MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	31.4	25.6	38.4
170	18.8	15.8	23.6

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#10

Acenaphthylene

Concen: 1.16 ng

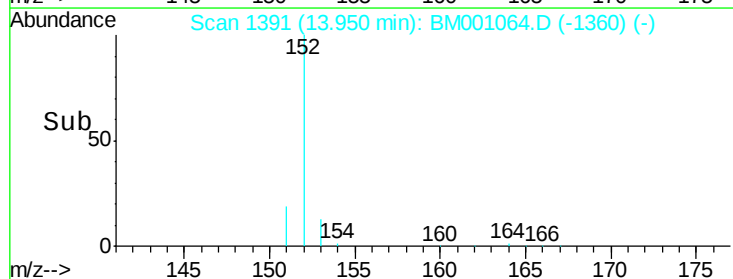
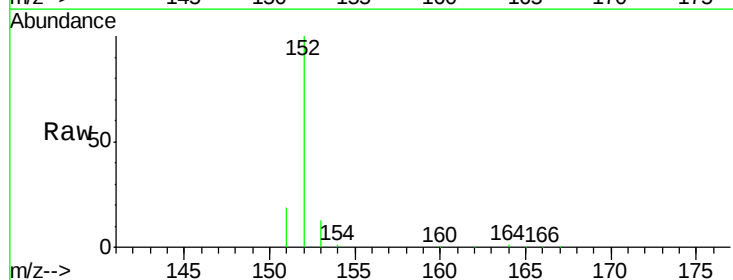
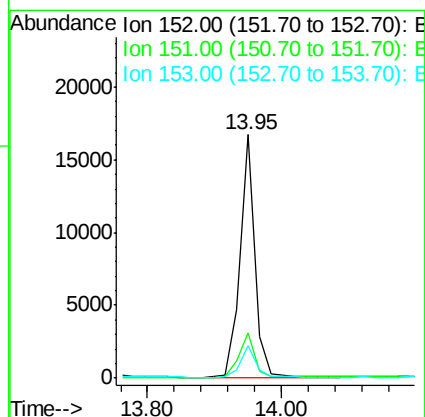
RT: 13.95 min Scan# 1391

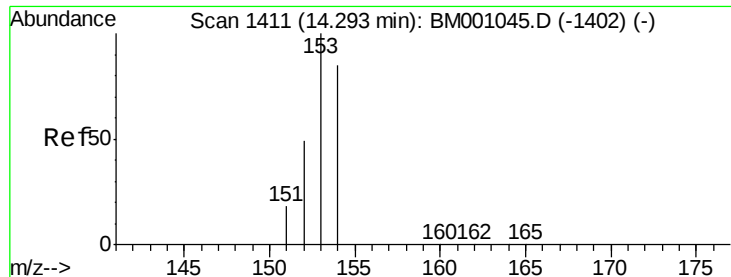
Delta R.T. 0.00 min

Lab File: BM001064.D

Acq: 18 Apr 2015 17:35

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.0	14.7	22.1
153	13.3	10.2	15.2





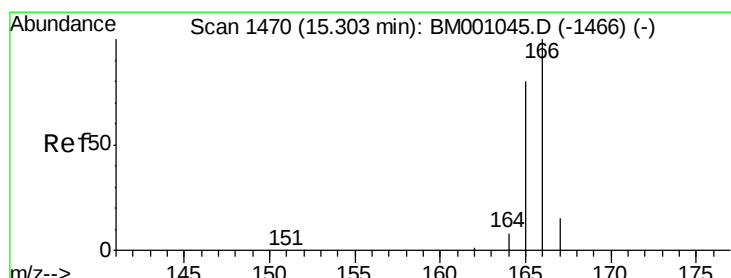
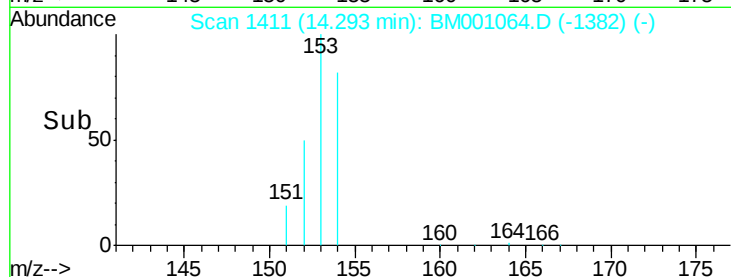
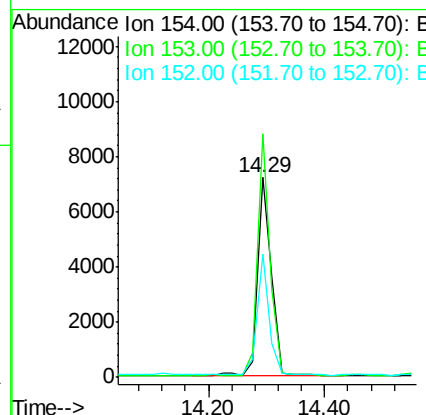
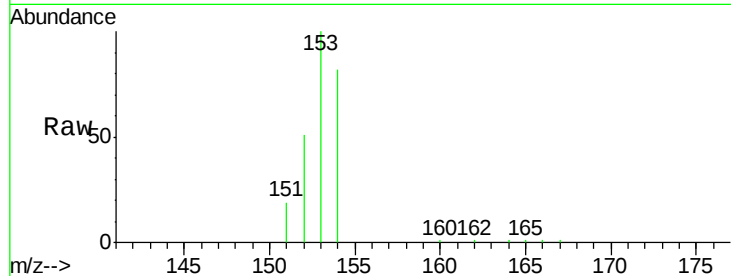
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Acenaphthene
Concen: 0.78 ng
RT: 14.29 min Scan# 1411
Delta R.T. 0.00 min
Lab File: BM001064.D
Acq: 18 Apr 2015 17:35

Instrument :
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ClientSampleId :
SP-D6MSD

Tot Ion	Ratio	Lower	Upper
154	100		
153	109.8	88.1	132.1
152	53.1	42.3	63.5

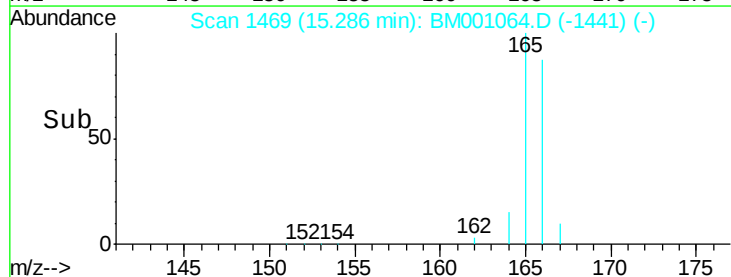
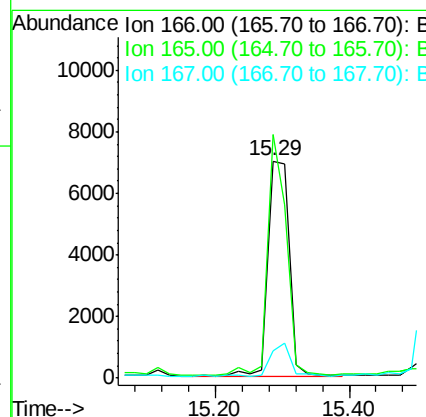
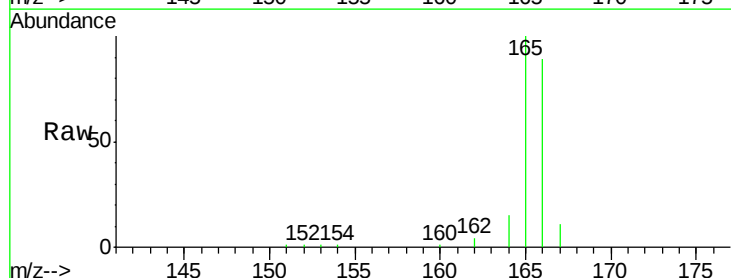
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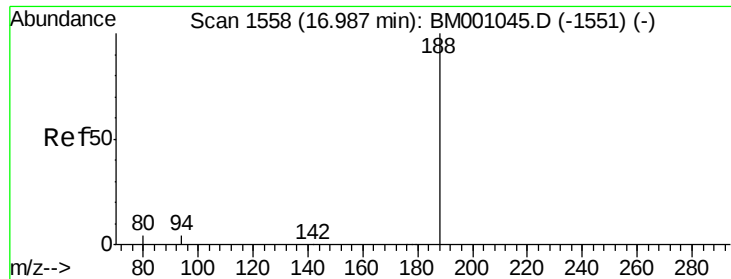
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#12
Fluorene
Concen: 0.86 ng
RT: 15.29 min Scan# 1469
Delta R.T. -0.02 min
Lab File: BM001064.D
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Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.9	77.6	116.4
167	13.4	10.6	16.0





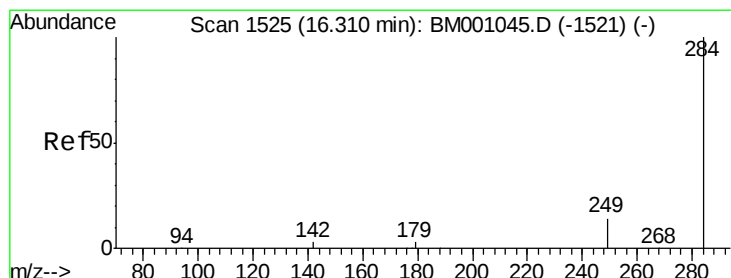
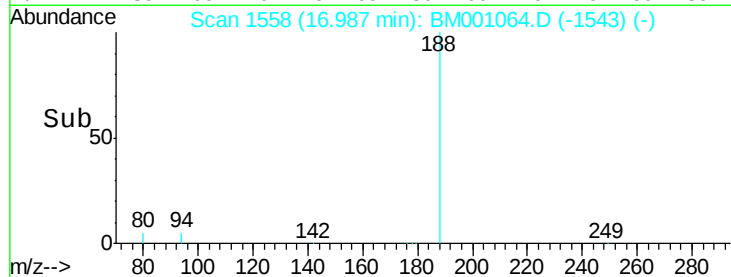
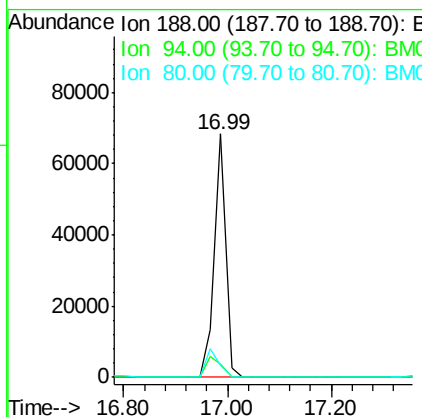
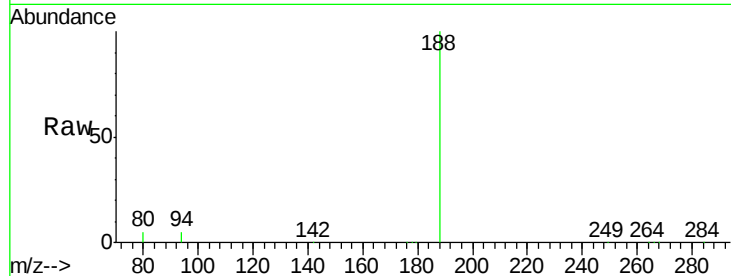
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.99 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BM001064.D
Acq: 18 Apr 2015 17:35

Instrument :
BNA_M
ClientSampleId :
SP-D6MSD

Tot Ion	Ratio	Resp	Lower	Upper
188	100	105009		
94	5.4		3.6	5.4#
80	4.9		3.0	4.6#

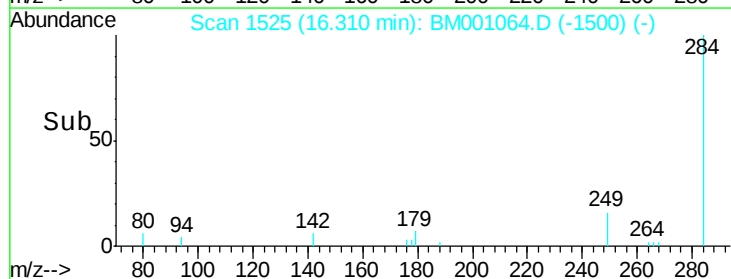
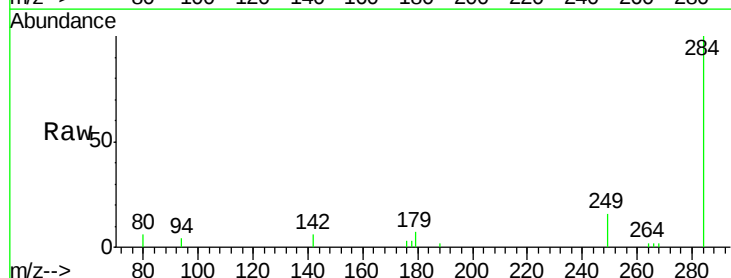
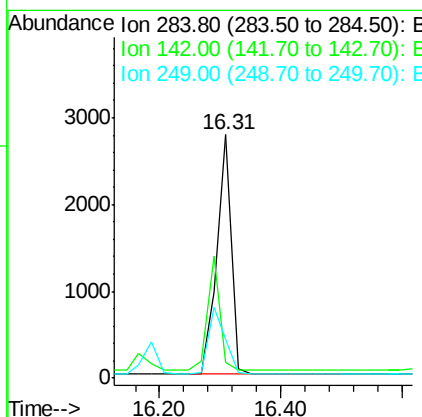
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#14
Hexachlorobenzene
Concen: 0.80 ng
RT: 16.31 min Scan# 1525
Delta R.T. 0.00 min
Lab File: BM001064.D
Acq: 18 Apr 2015 17:35

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	4634		
142	0.0		0.0	0.0
249	0.0		0.0	0.0





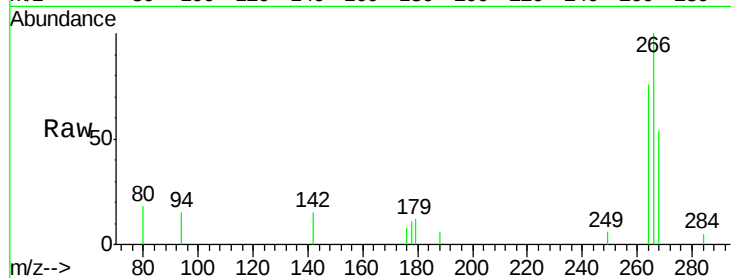
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 Pentachlorophenol
 Concen: 1.36 ng
 RT: 16.64 min Scan# 1541
 Delta R.T. 0.00 min
 Lab File: BM001064.D
 Acq: 18 Apr 2015 17:35

Instrument :
 BNA_M
 ClientSampleId :
 SP-D6MSD

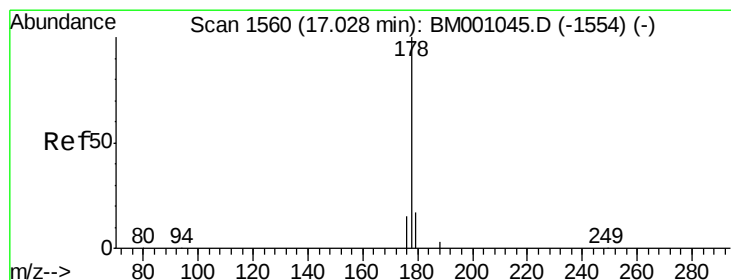
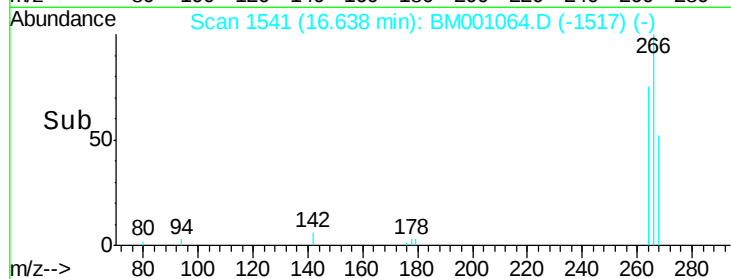
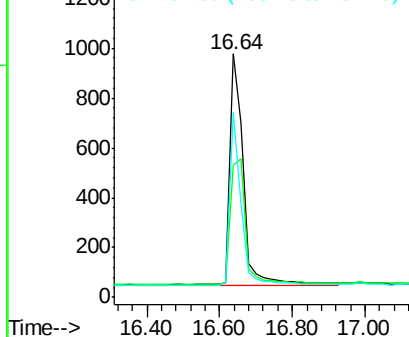
Tot Ion	Ratio	Lower	Upper
266	100		
268	54.4	46.3	69.5
264	75.7	59.8	89.6

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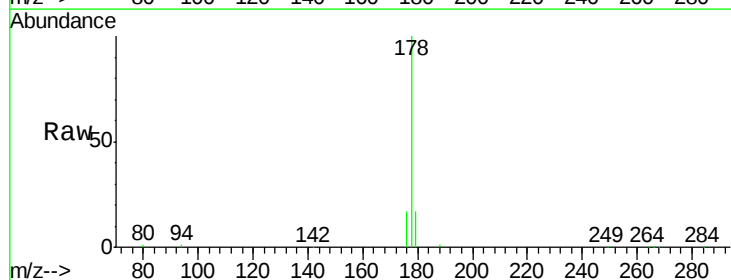


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

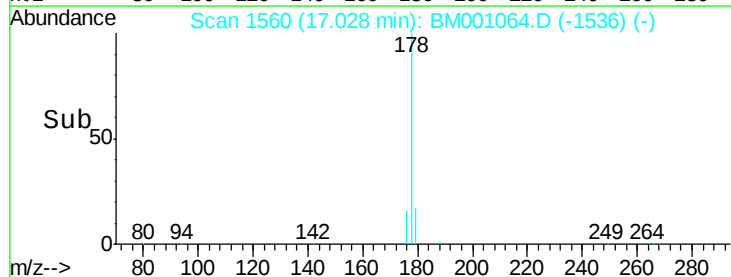
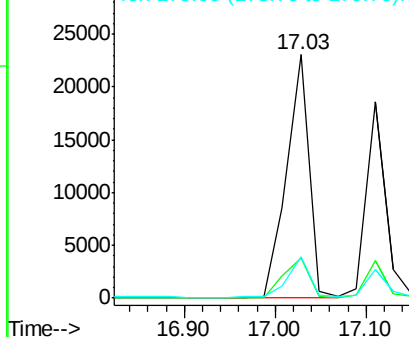


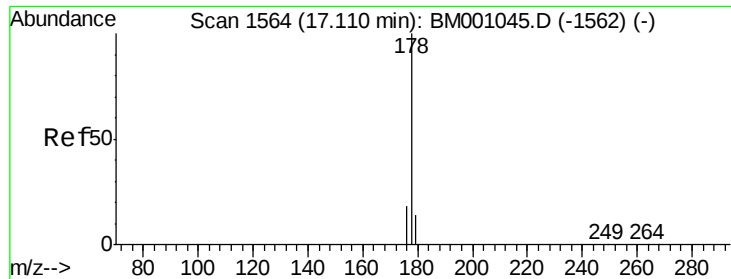
#16
 Phenanthrene
 Concen: 1.42 ng
 RT: 17.03 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: BM001064.D
 Acq: 18 Apr 2015 17:35

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.6	22.0
179	15.9	12.6	19.0



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





#17

Anthracene

Concen: 1.09 ng

RT: 17.11 min Scan# 1564

Delta R.T. 0.00 min

Lab File: BM001064.D

Acq: 18 Apr 2015 17:35

Instrument :

BNA_M

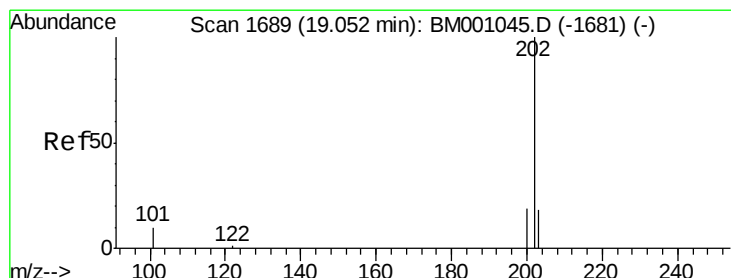
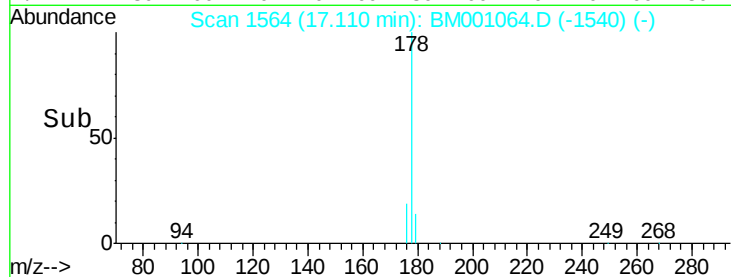
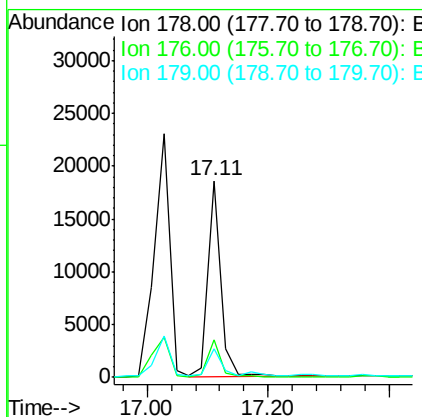
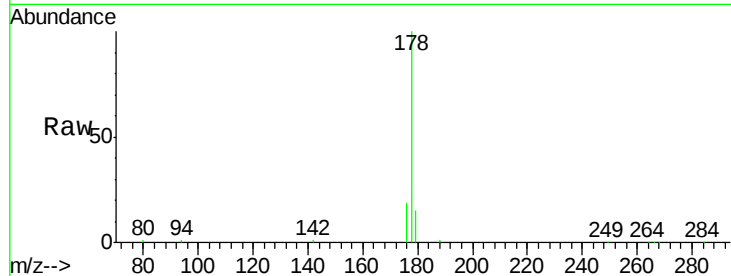
ClientSampleId :

SP-D6MSD

Tot Ion:	178	Resp:	27919
Ion Ratio	Lower	Upper	
178	100		
176	18.5	14.3	21.5
179	17.0	11.8	17.8

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#18

Fluoranthene

Concen: 2.55 ng

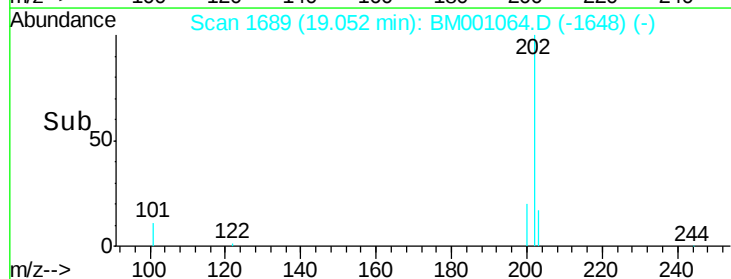
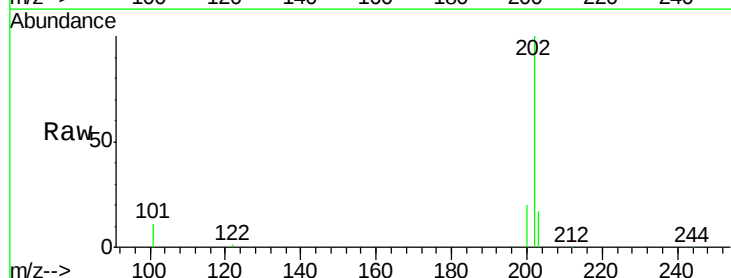
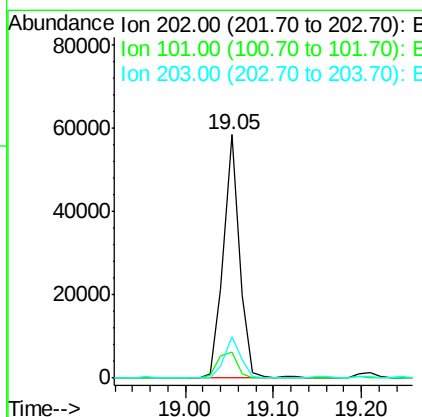
RT: 19.05 min Scan# 1689

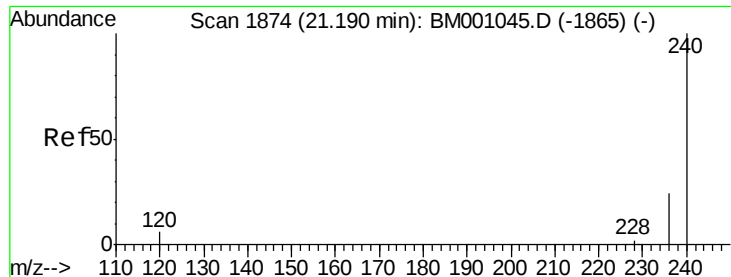
Delta R.T. 0.00 min

Lab File: BM001064.D

Acq: 18 Apr 2015 17:35

Tgt Ion:	202	Resp:	74010
Ion Ratio	Lower	Upper	
202	100		
101	12.8	10.1	15.1
203	16.9	13.8	20.8





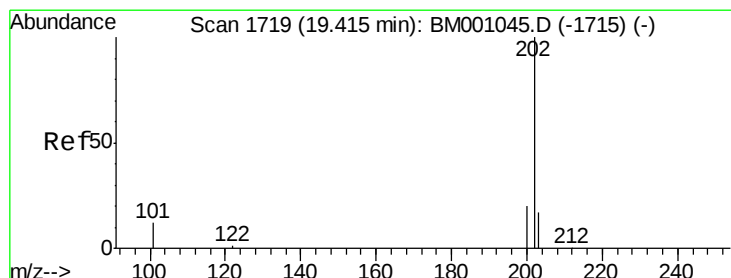
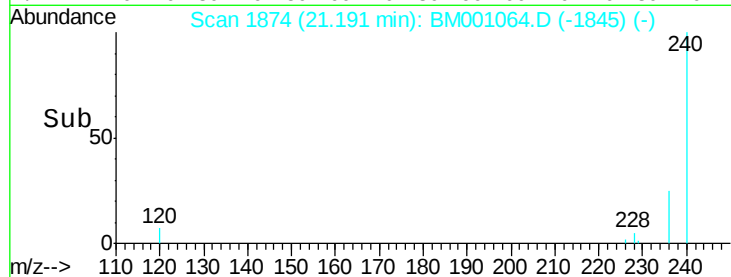
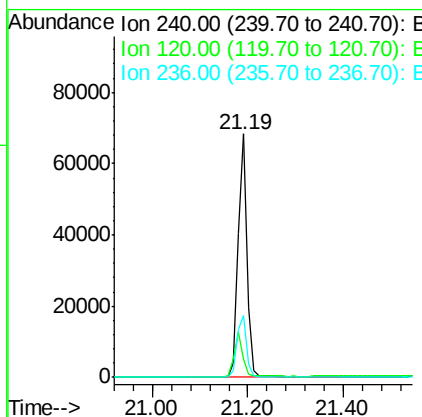
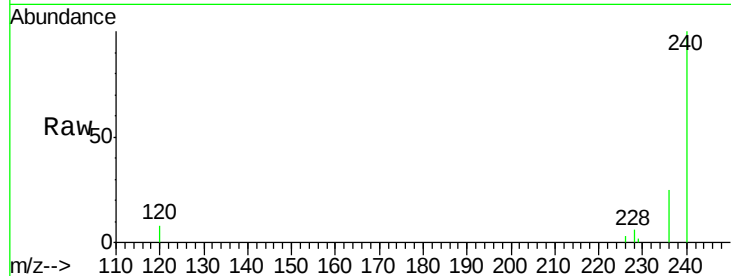
#19
Chrysene-d12
Concen: 5.00 ng
RT: 21.19 min Scan# 1874
Delta R.T. 0.00 min
Lab File: BM001064.D
Acq: 18 Apr 2015 17:35

Instrument :
BNA_M
ClientSampleId :
SP-D6MSD

Tot Ion	Ratio	Lower	Upper
240	100		
120	7.5	4.6	6.8#
236	25.5	19.1	28.7

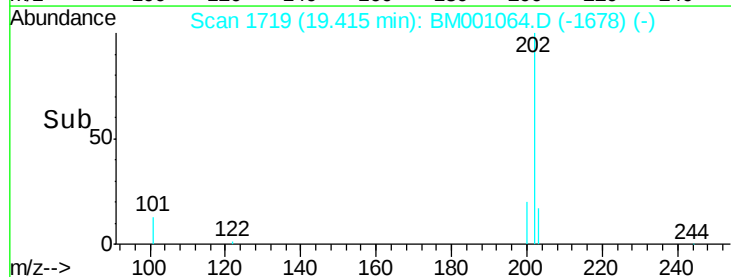
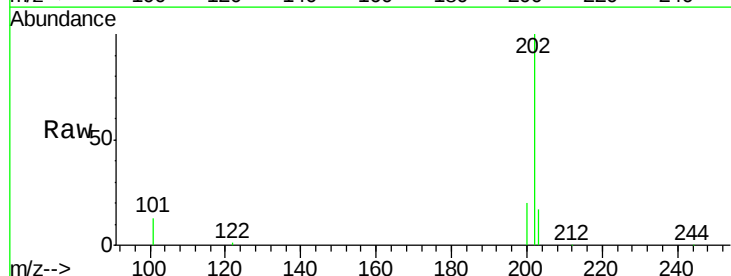
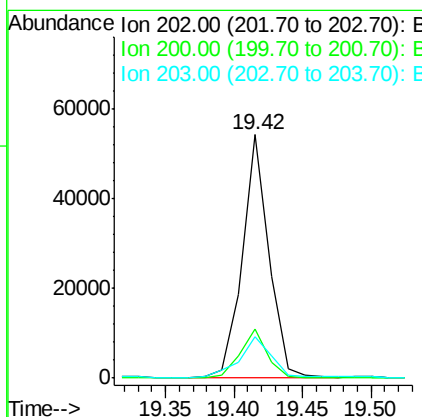
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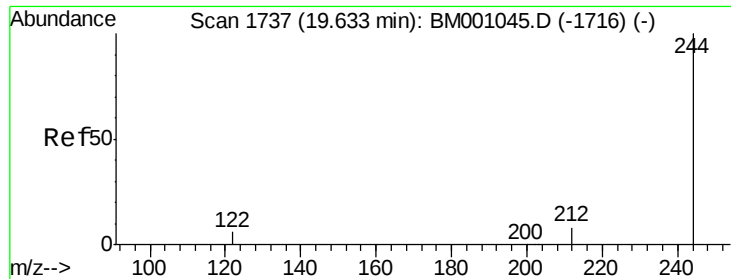
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#20
Pyrene
Concen: 2.57 ng
RT: 19.42 min Scan# 1719
Delta R.T. 0.00 min
Lab File: BM001064.D
Acq: 18 Apr 2015 17:35

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.3	24.5
203	20.4	13.8	20.6





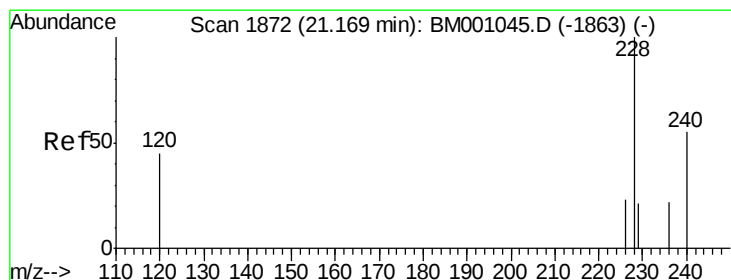
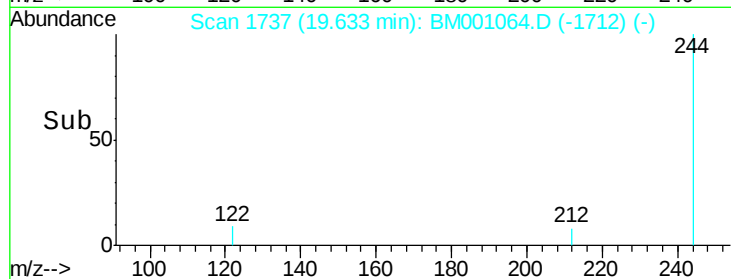
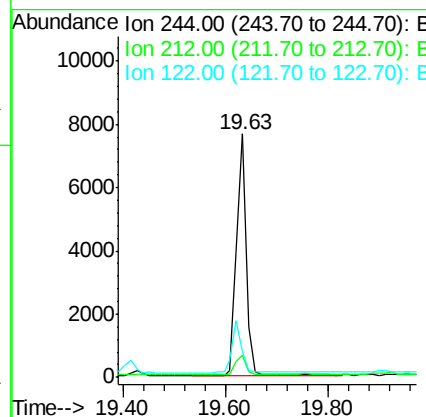
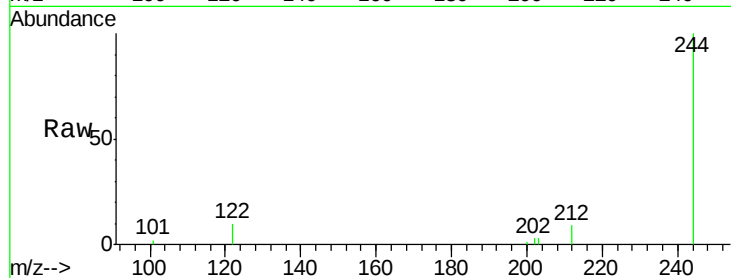
#21
 Terphenyl-d14
 Concen: 0.87 ng
 RT: 19.63 min Scan# 1737
 Delta R.T. 0.00 min
 Lab File: BM001064.D
 Acq: 18 Apr 2015 17:35

Instrument :
 BNA_M
 ClientSampleId :
 SP-D6MSD

Tot Ion	Ratio	Lower	Upper
244	100		
212	9.2	7.1	10.7
122	10.4	5.9	8.9

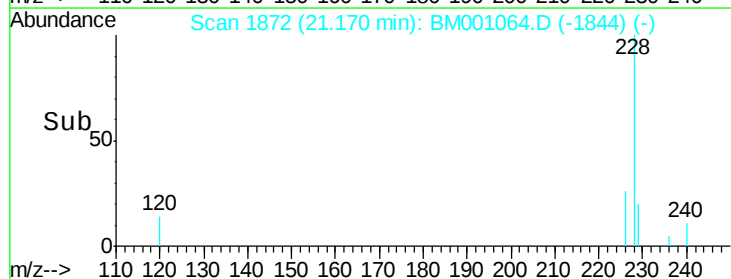
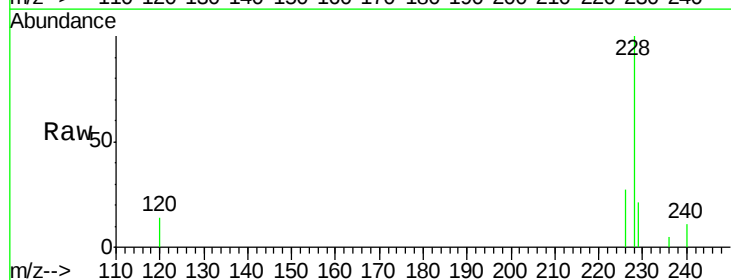
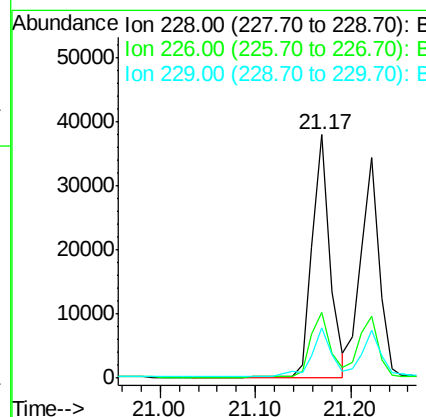
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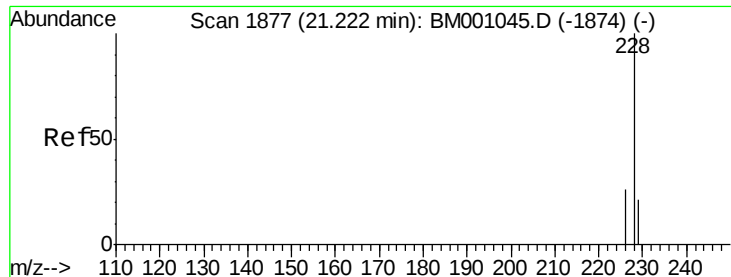
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#22
 Benzo(a)anthracene
 Concen: 1.97 ng
 RT: 21.17 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: BM001064.D
 Acq: 18 Apr 2015 17:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.0	19.0	28.6
229	20.6	16.8	25.2





#23

Chrysene

Concen: 1.80 ng

RT: 21.22 min Scan# 1877

Delta R.T. 0.00 min

Lab File: BM001064.D

Acq: 18 Apr 2015 17:35

Instrument :

BNA_M

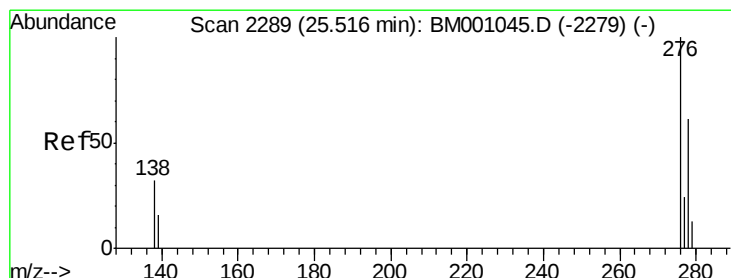
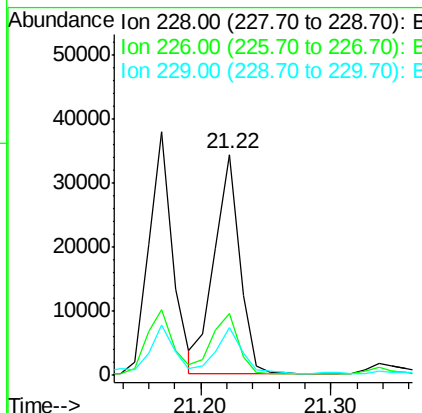
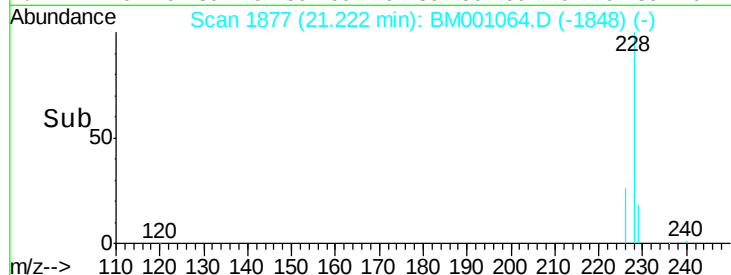
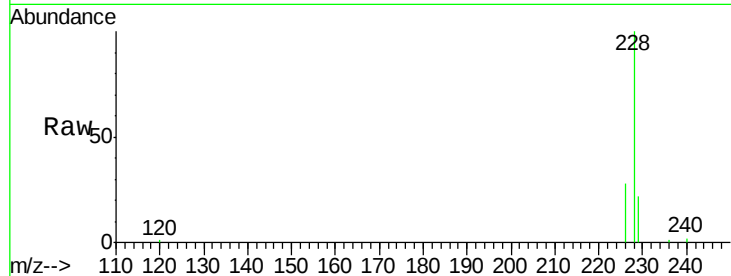
ClientSampleId :

SP-D6MSD

Tot Ion:	228	Resp:	46692
Ion Ratio	Lower	Upper	
228	100		
226	27.9	20.6	31.0
229	21.6	17.2	25.8

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#24

Indeno(1,2,3-cd)pyrene

Concen: 1.50 ng

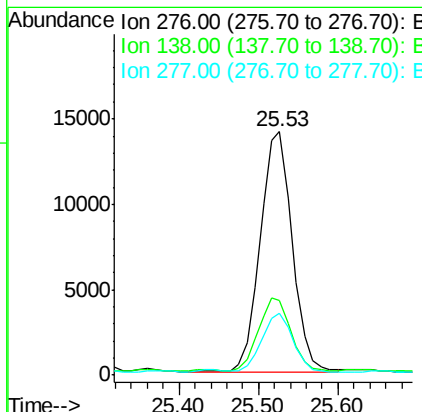
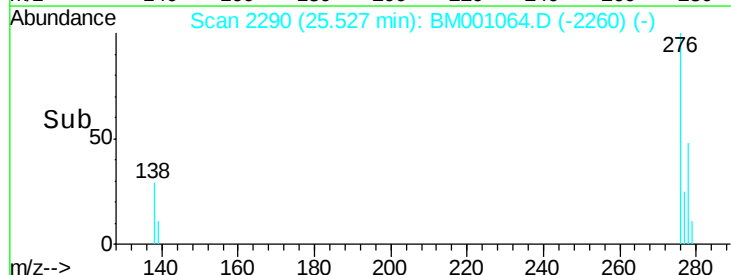
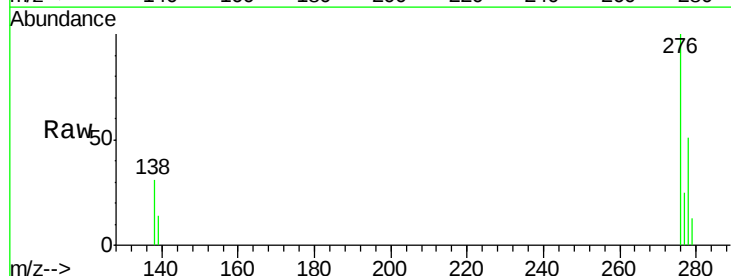
RT: 25.53 min Scan# 2290

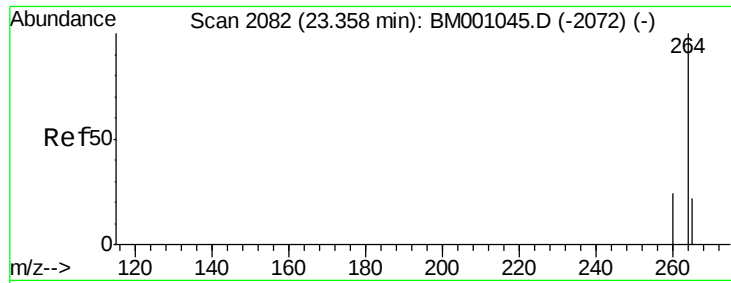
Delta R.T. 0.01 min

Lab File: BM001064.D

Acq: 18 Apr 2015 17:35

Tgt Ion:	276	Resp:	39739
Ion Ratio	Lower	Upper	
276	100		
138	30.1	26.3	39.5
277	24.0	19.5	29.3





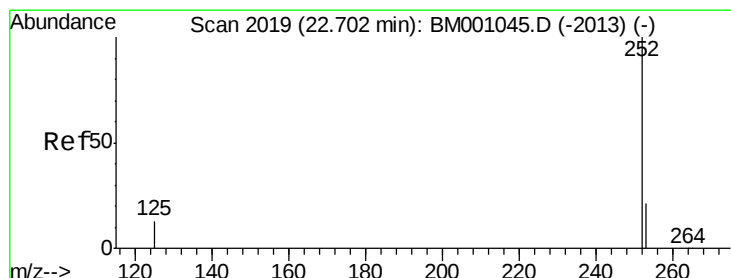
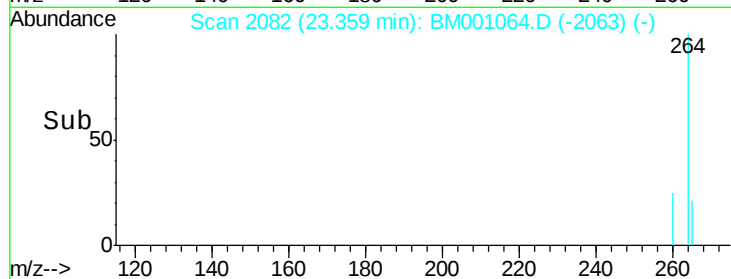
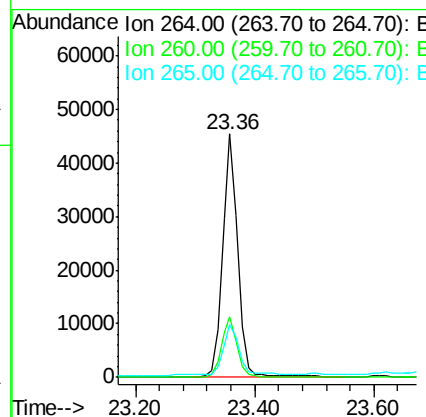
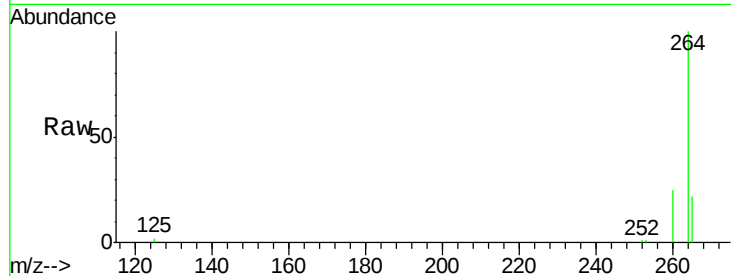
#25
 Pervlene-d12
 Concen: 5.00 ng
 RT: 23.36 min Scan# 2082
 Delta R.T. 0.00 min
 Lab File: BM001064.D
 Acq: 18 Apr 2015 17:35

Instrument :
 BNA_M
 ClientSampleId :
 SP-D6MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.0	28.6
265	21.6	17.9	26.9

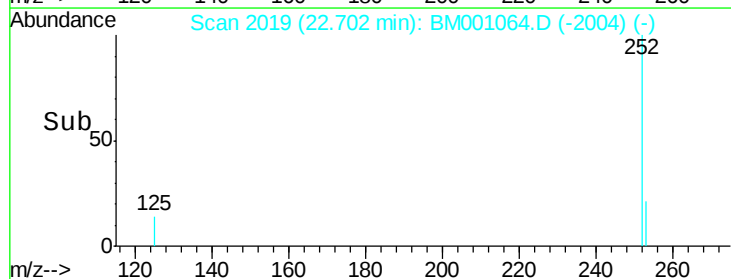
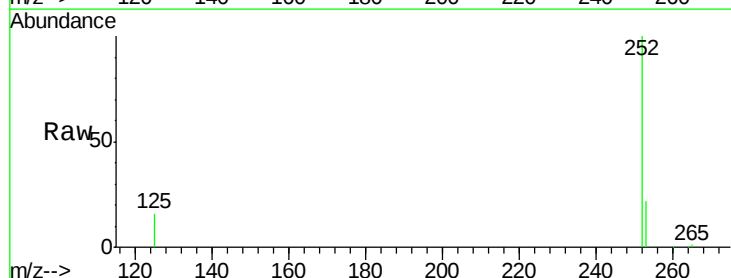
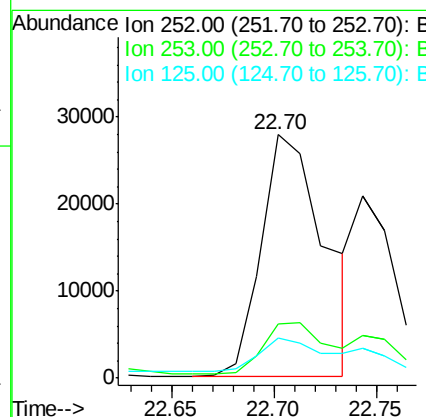
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#26
 Benzo(b)fluoranthene
 Concen: 2.31 ng
 RT: 22.70 min Scan# 2019
 Delta R.T. 0.00 min
 Lab File: BM001064.D
 Acq: 18 Apr 2015 17:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.2	27.2
125	16.3	10.9	16.3#





#27

Benzo(k)fluoranthene

Concen: 1.13 ng m

RT: 22.74 min Scan# 2023

Delta R.T. 0.00 min

Lab File: BM001064.D

Acq: 18 Apr 2015 17:35

Instrument :

BNA_M

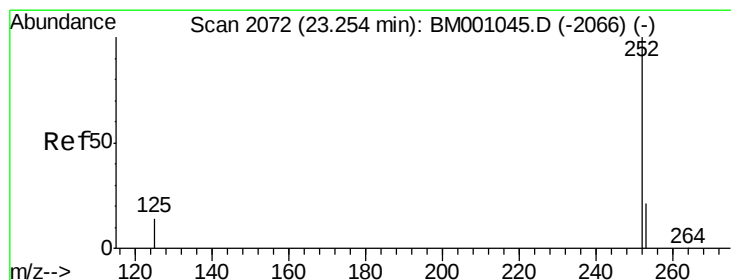
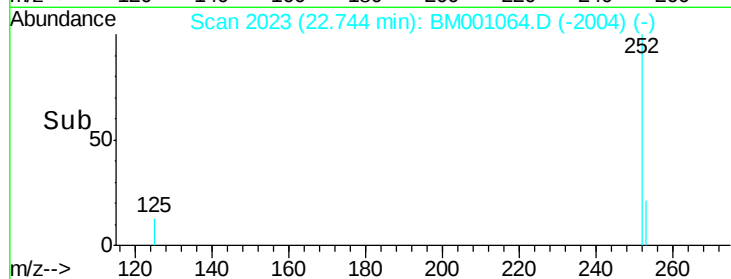
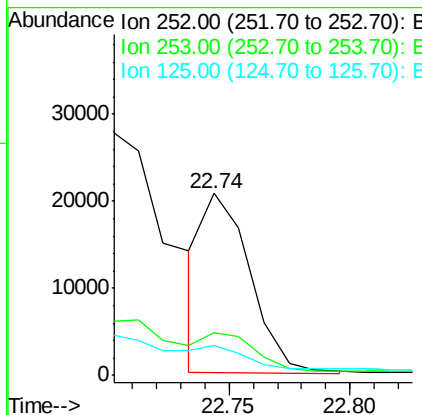
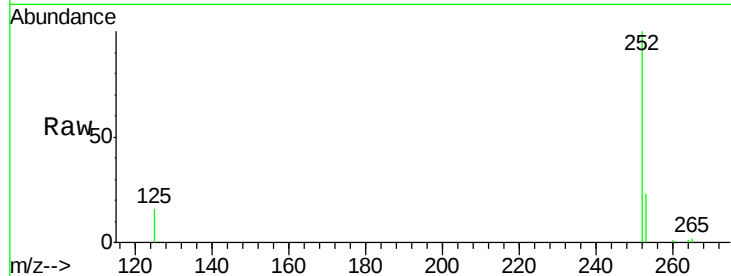
ClientSampleId :

SP-D6MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.3	27.5
125	16.4	10.6	15.8

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#28

Benzo(a)pyrene

Concen: 1.95 ng

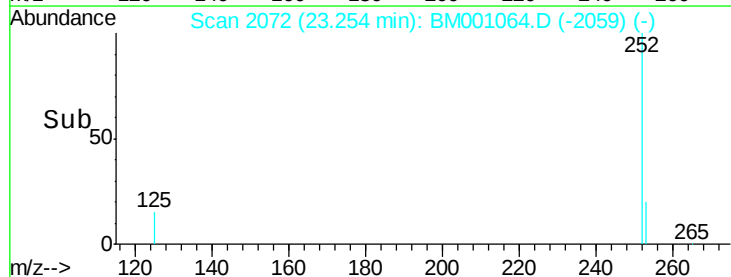
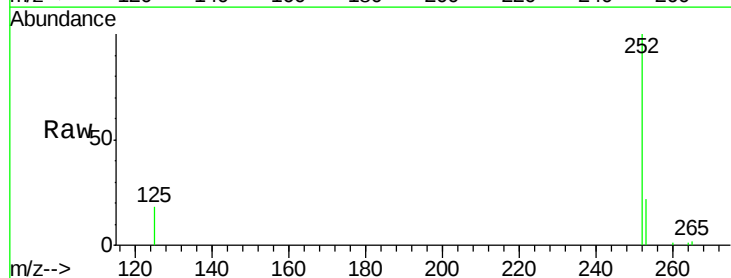
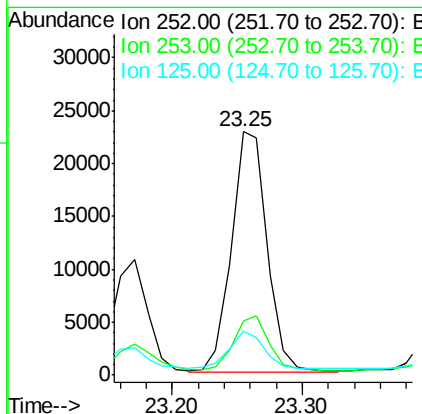
RT: 23.25 min Scan# 2072

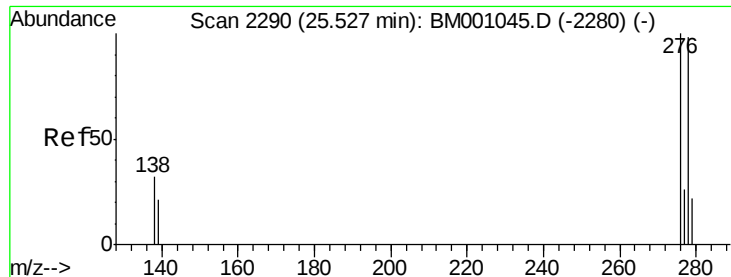
Delta R.T. 0.00 min

Lab File: BM001064.D

Acq: 18 Apr 2015 17:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.6	27.8
125	17.8	11.9	17.9





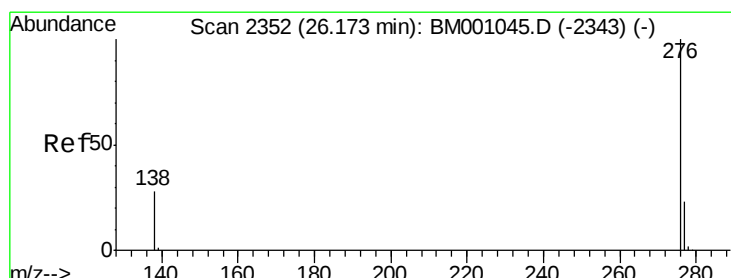
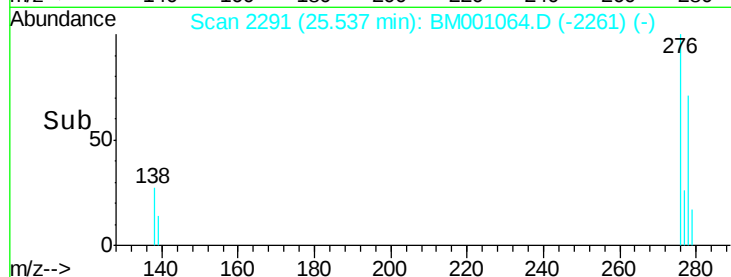
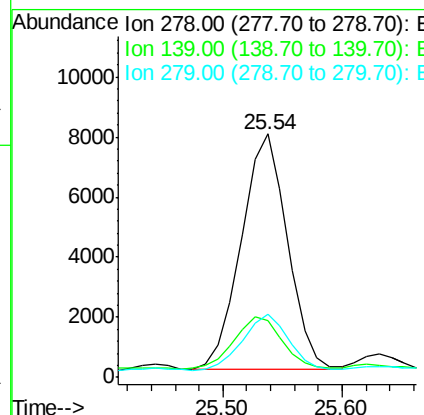
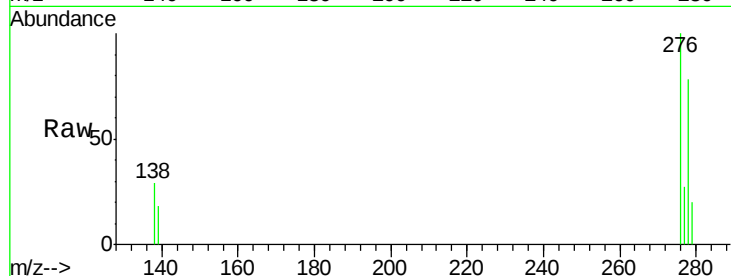
#29
Dibenzo(a,h)anthracene
Concen: 0.97 ng
RT: 25.54 min Scan# 2291
Delta R.T. 0.01 min
Lab File: BM001064.D
Acq: 18 Apr 2015 17:35

Instrument :
BNA_M
ClientSampleId :
SP-D6MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	23.3	18.2	27.2
279	25.7	19.1	28.7

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#30
Benzo(g,h,i)perylene
Concen: 1.59 ng
RT: 26.18 min Scan# 2353
Delta R.T. 0.01 min
Lab File: BM001064.D
Acq: 18 Apr 2015 17:35

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.0	28.4
138	29.8	23.4	35.2

