

Data Path : Z:\HPCHEM1\BNA M\DATA\BM050115\
 Data File : BM001184.D
 Acq On : 03 May 2015 01:22
 Operator : TP/IZ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001EC

Manual Integrations
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 5/5/2015 8:05:04 AM

Quant Time: May 04 18:11:22 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SIMPAH-BM050115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 04 16:48:07 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	15796	5.00	ng	0.00
6) Naphthalene-d8	10.31	136	61971	5.00	ng	0.00
12) Acenaphthene-d10	14.20	164	34547	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	92197	5.00	ng	0.00
24) Chrysene-d12	21.15	240	82466	5.00	ng	0.00
30) Perylene-d12	23.29	264	72098	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.11	112	3286	1.07	ng	-0.01
5) Phenol-d6	6.72	99	4179	1.10	ng	0.02
7) Nitrobenzene-d5	8.69	82	3630	1.03	ng	0.00
13) 2,4,6-Tribromophenol	15.69	330	2232	1.46	ng	0.00
14) 2-Fluorobiphenyl	12.81	172	11902	1.04	ng	0.00
26) Terphenyl-d14	19.59	244	11552	1.02	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.01	88	1758	0.97	ng	97
3) n-Nitrosodimethylamine	3.34	42	1758	0.91	ng	# 88
8) Nitrobenzene	8.73	77	3855	0.97	ng	96
9) Naphthalene	10.36	128	13801	1.01	ng	99
10) Hexachlorobutadiene	10.65	225	2676	1.02	ng	99
11) 2-Methylnaphthalene	11.98	142	9701m	1.04	ng	
15) Acenaphthylene	13.89	152	16467	1.09	ng	# 99
16) Acenaphthene	14.24	154	11159	1.07	ng	99
17) Fluorene	15.24	166	13832	1.14	ng	99
19) Hexachlorobenzene	16.26	284	4828	0.97	ng	# 100
20) Pentachlorophenol	16.61	266	1387	0.99	ng	98
21) Phenanthrene	16.98	178	23675	1.00	ng	99
22) Anthracene	17.06	178	19756m	1.01	ng	
23) Fluoranthene	19.01	202	24747	1.03	ng	100
25) Pyrene	19.38	202	26026	1.01	ng	100
27) Benzo(a)anthracene	21.13	228	23571	1.01	ng	95
28) Chrysene	21.18	228	23121	1.01	ng	94
29) Indeno(1,2,3-cd)pyrene	25.43	276	21301	1.02	ng	100
31) Benzo(b)fluoranthene	22.65	252	23113	1.04	ng	97
32) Benzo(k)fluoranthene	22.69	252	21156	1.02	ng	98
33) Benzo(a)pyrene	23.19	252	19581	1.05	ng	98
34) Dibenzo(a,h)anthracene	25.44	278	16633	1.01	ng	99
35) Benzo(g,h,i)perylene	26.08	276	17097	0.99	ng	99

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

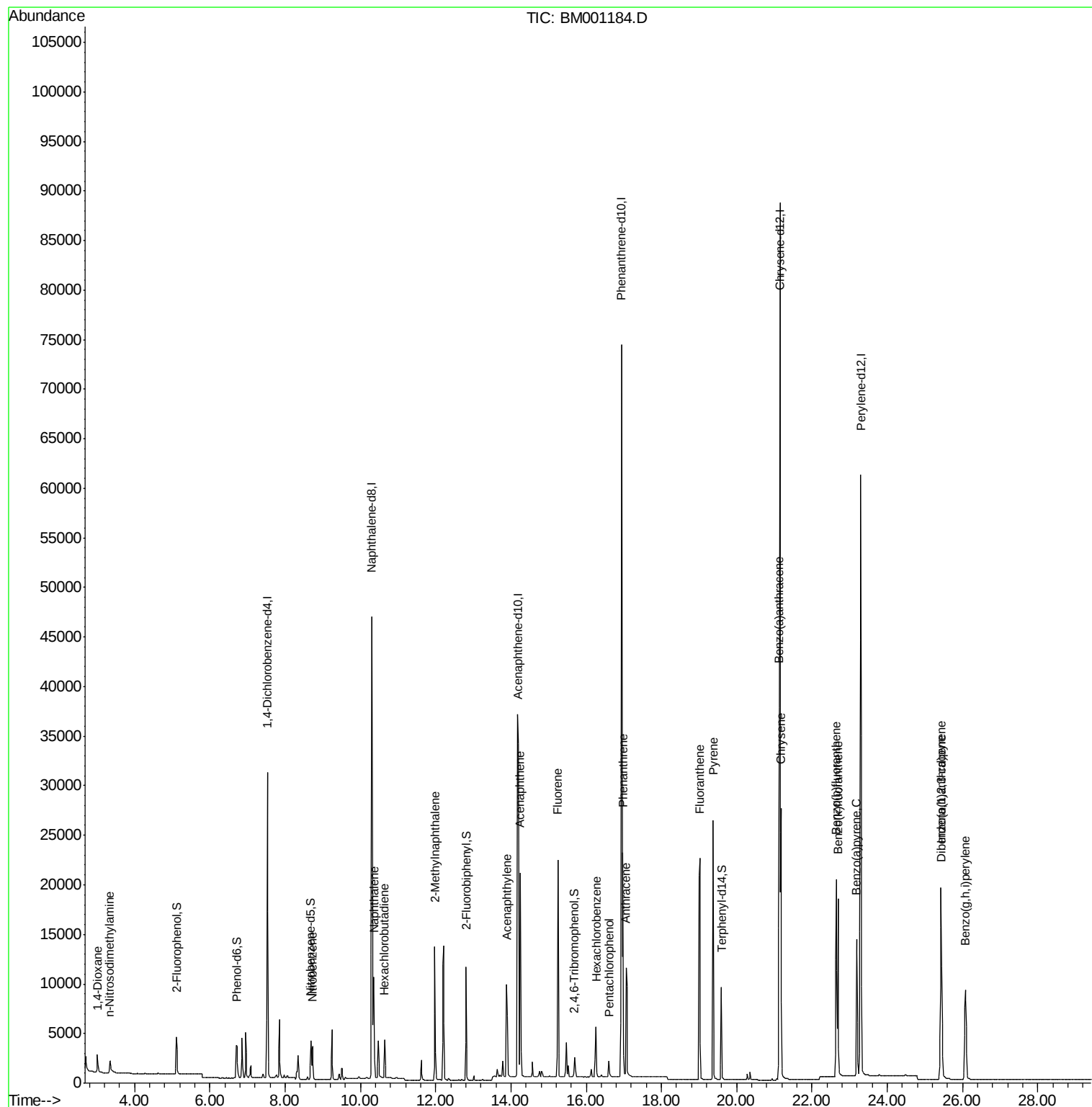
Data Path : Z:\HPCHEM1\BNA M\DATA\BM050115\
Data File : BM001184.D
Acq On : 03 May 2015 01:22
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Instrument :
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#1

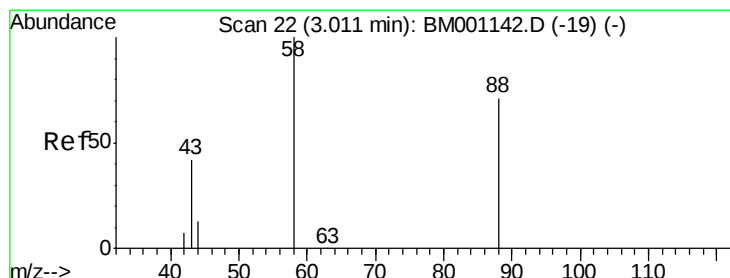
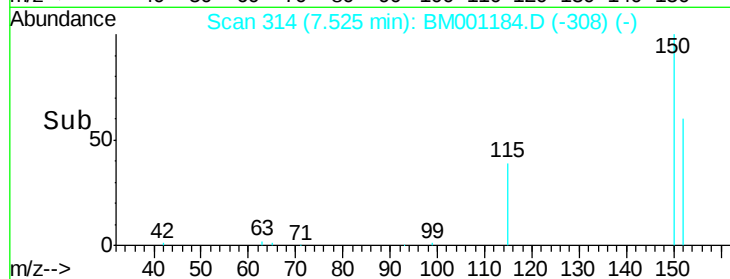
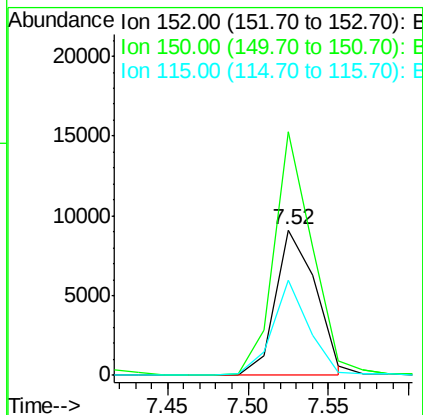
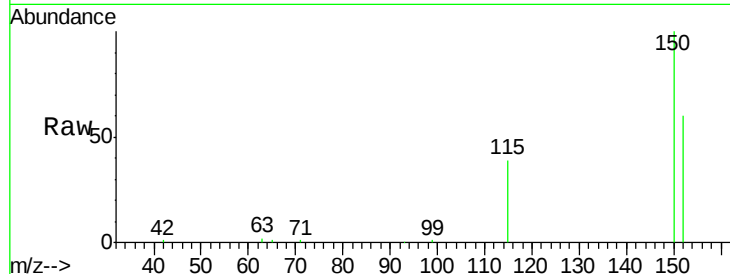
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.52 min Scan# 314
Delta R.T. -0.00 min
Lab File: BM001184.D
Acq: 03 May 2015 01:22

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

Tot Ion	Ratio	Lower	Upper
152	100		
150	167.6	140.1	210.1
115	65.5	57.8	86.6

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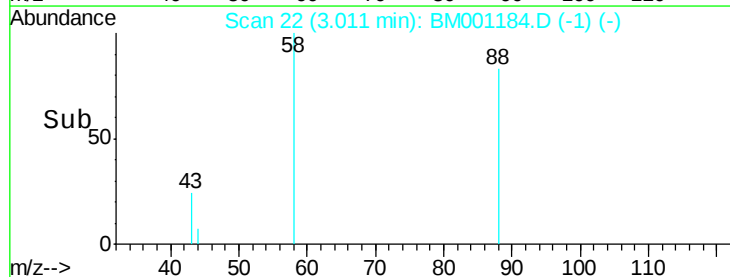
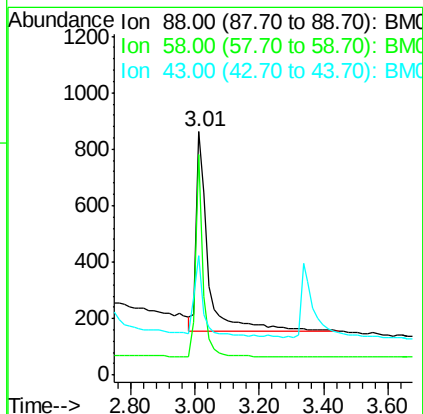
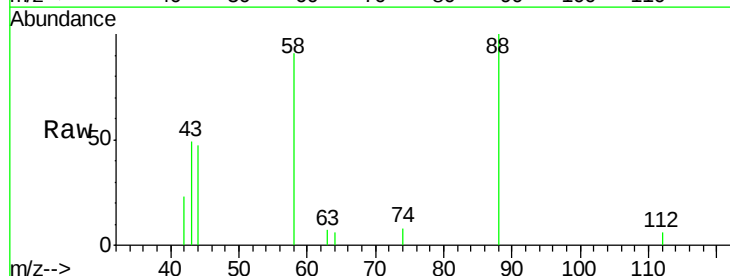
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#2

1,4-Dioxane
Concen: 0.97 ng
RT: 3.01 min Scan# 22
Delta R.T. 0.00 min
Lab File: BM001184.D
Acq: 03 May 2015 01:22

Tgt Ion	Ratio	Lower	Upper
88	100		
58	63.2	48.2	72.2
43	30.7	24.8	37.2





#3

n-Nitrosodimethylamine

Concen: 0.91 ng

RT: 3.34 min Scan# 43

Delta R.T. -0.00 min

Lab File: BM001184.D

Acq: 03 May 2015 01:22

Instrument :

BNA_M

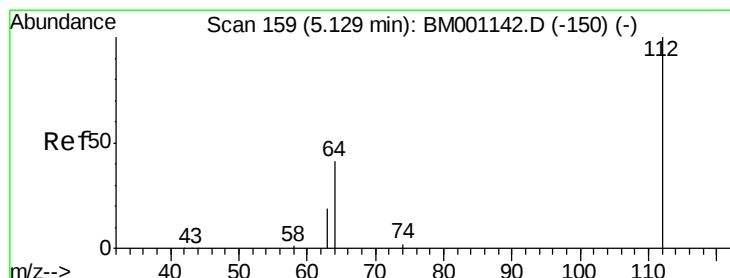
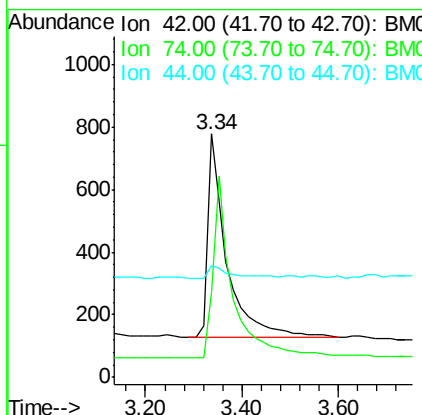
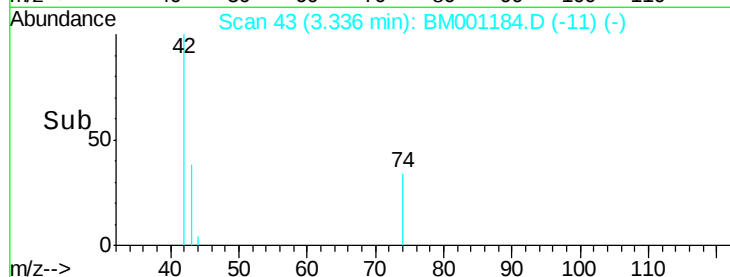
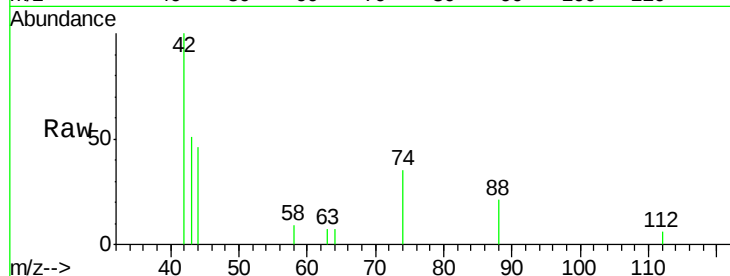
ClientSampleId :

SSTDCCC001EC

Tot Ion:	42	Resp:	1758
Ion	Ratio	Lower	Upper
42	100		
74	101.5	72.0	108.0
44	7.9	3.7	5.5#

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#4

2-Fluorophenol

Concen: 1.07 ng

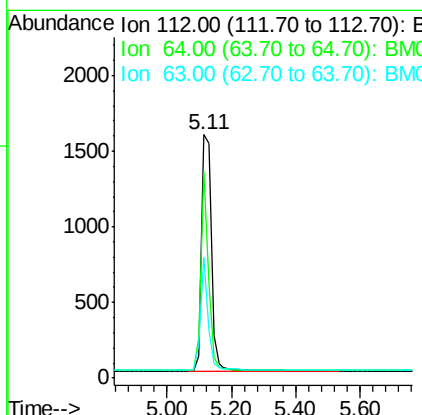
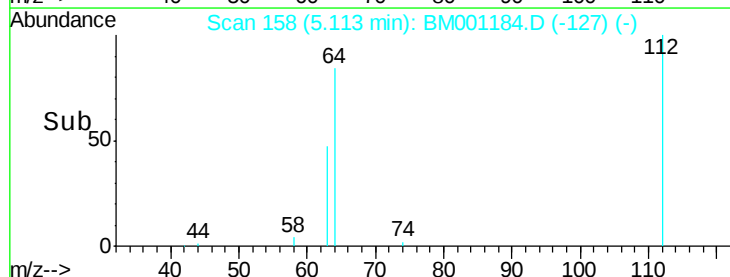
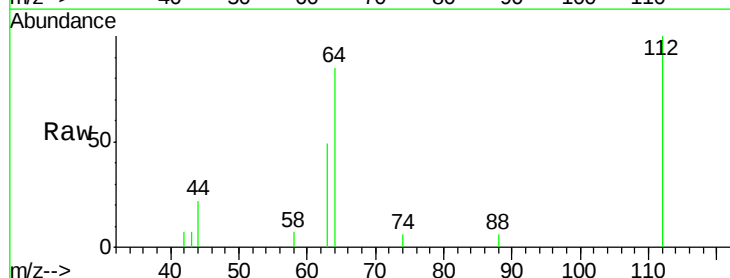
RT: 5.11 min Scan# 158

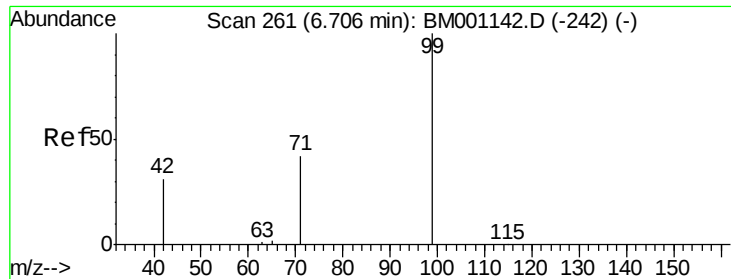
Delta R.T. -0.01 min

Lab File: BM001184.D

Acq: 03 May 2015 01:22

Tgt Ion:	112	Resp:	3286
Ion	Ratio	Lower	Upper
112	100		
64	64.3	52.6	79.0
63	35.4	29.5	44.3





#5

Phenol-d6

Concen: 1.10 ng

RT: 6.72 min Scan# 262

Delta R.T. 0.02 min

Lab File: BM001184.D

Acq: 03 May 2015 01:22

Instrument :

BNA_M

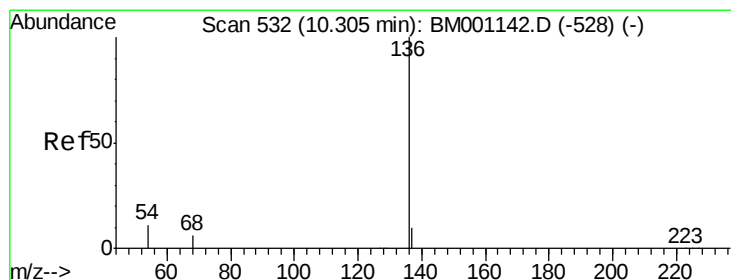
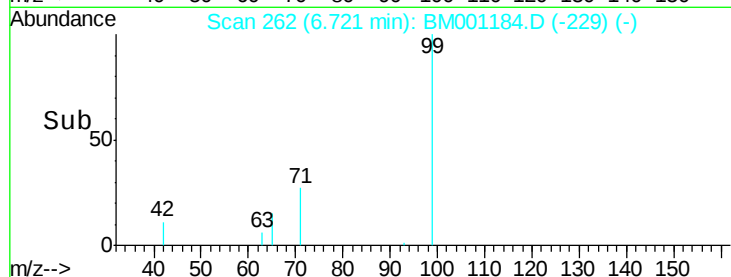
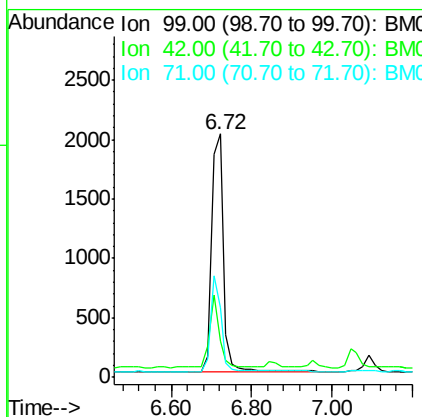
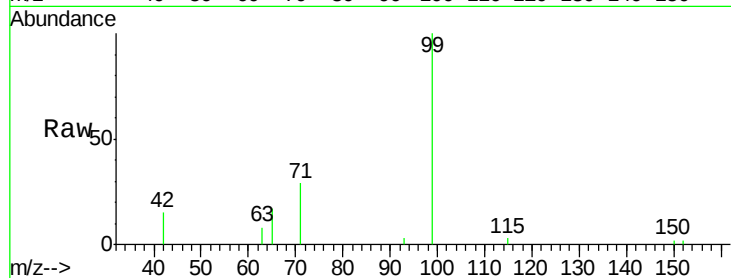
ClientSampleId :

SSTDCCC001EC

Tot Ion:	99	Resp:	4179
Ion	Ratio	Lower	Upper
99	100		
42	25.0	20.9	31.3
71	35.2	28.5	42.7

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#6

Naphthalene-d8

Concen: 5.00 ng

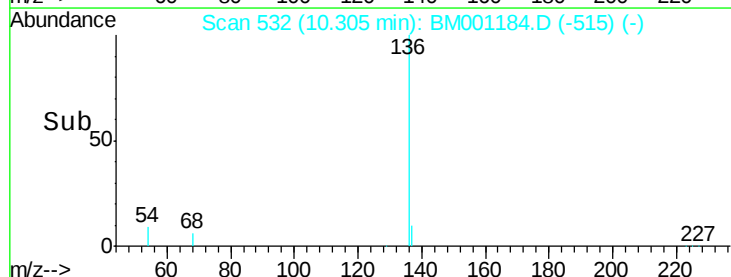
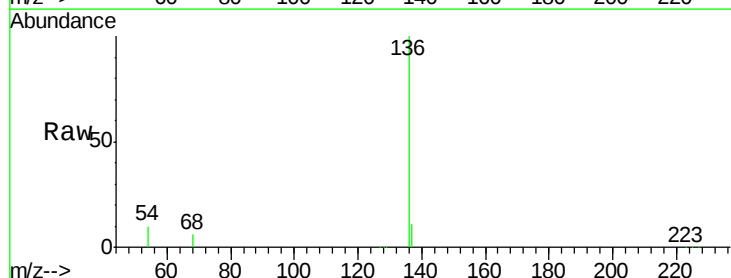
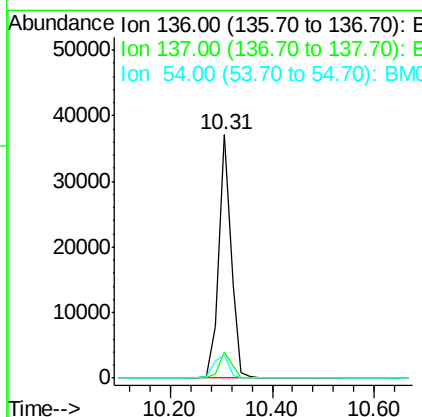
RT: 10.31 min Scan# 532

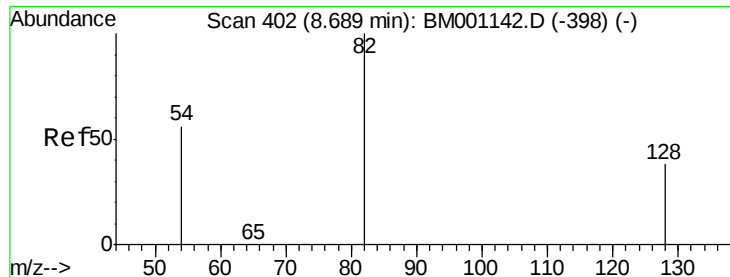
Delta R.T. -0.00 min

Lab File: BM001184.D

Acq: 03 May 2015 01:22

Tgt Ion:	136	Resp:	61971
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.2	12.4
54	9.6	9.0	13.4





#7

Nitrobenzene-d5

Concen: 1.03 ng

RT: 8.69 min Scan# 402

Delta R.T. -0.00 min

Lab File: BM001184.D

Acq: 03 May 2015 01:22

Instrument :

BNA_M

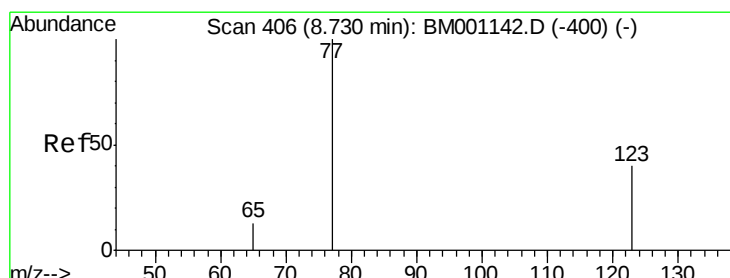
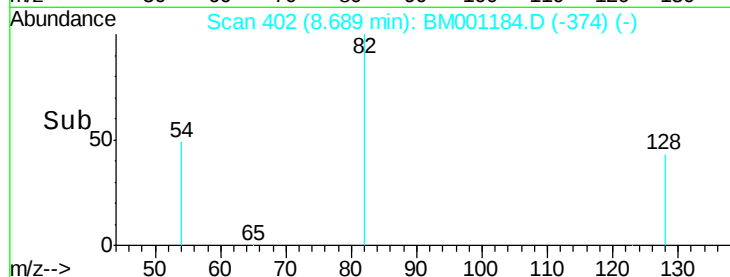
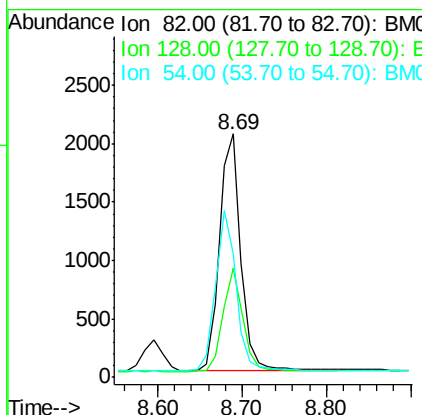
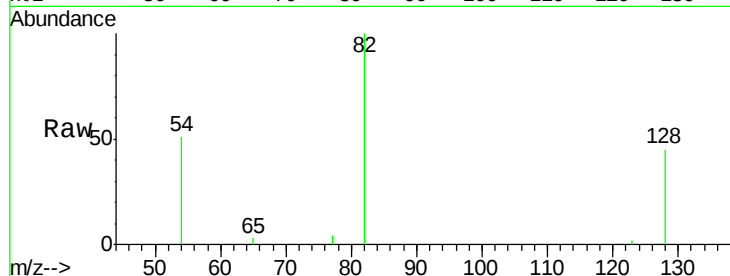
ClientSampleId :

SSTDCCC001EC

Tot Ion:	82	Resp:	3630
Ion	Ratio	Lower	Upper
82	100		
128	44.7	31.9	47.9
54	50.8	46.2	69.2

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#8

Nitrobenzene

Concen: 0.97 ng

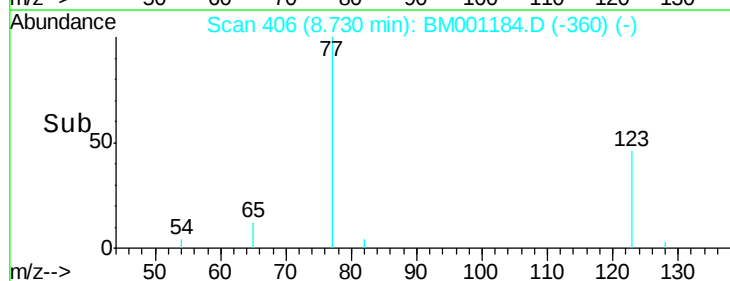
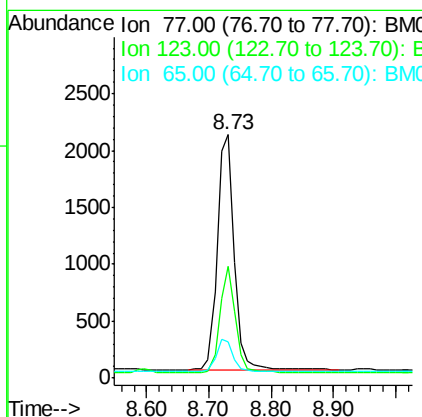
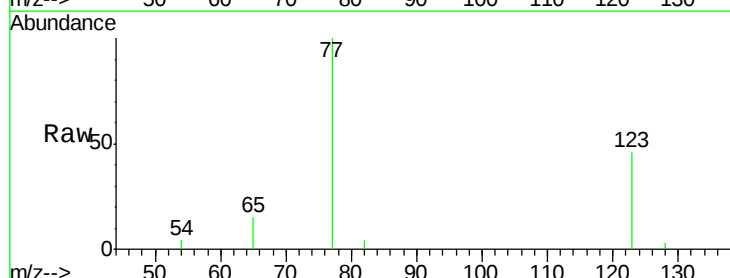
RT: 8.73 min Scan# 406

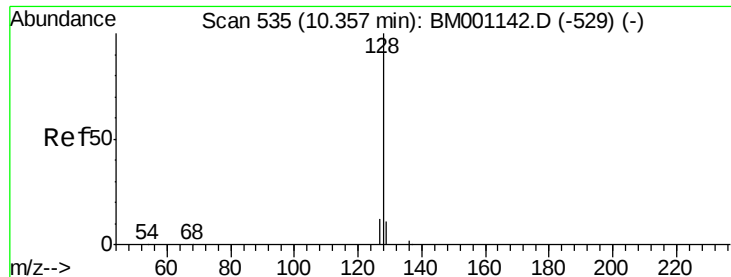
Delta R.T. 0.00 min

Lab File: BM001184.D

Acq: 03 May 2015 01:22

Tgt Ion:	77	Resp:	3855
Ion	Ratio	Lower	Upper
77	100		
123	42.1	31.0	46.6
65	13.9	10.6	15.8





#9

Naphthalene

Concen: 1.01 ng

RT: 10.36 min Scan# 535

Delta R.T. -0.00 min

Lab File: BM001184.D

Acq: 03 May 2015 01:22

Instrument :

BNA_M

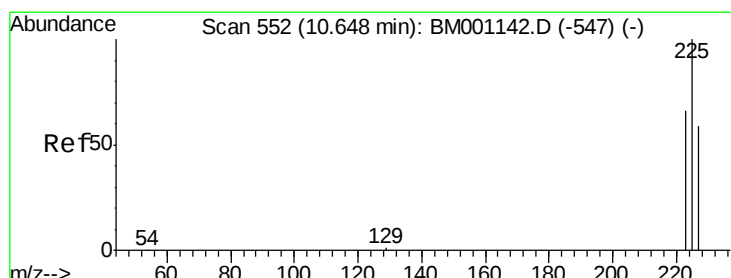
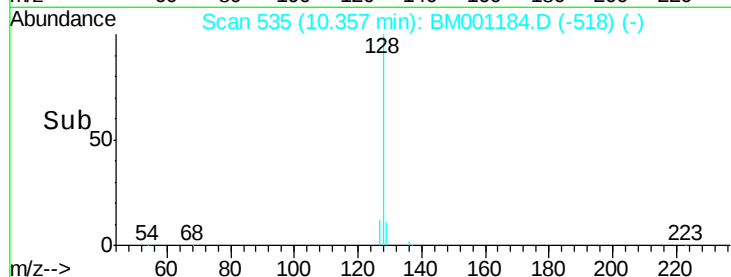
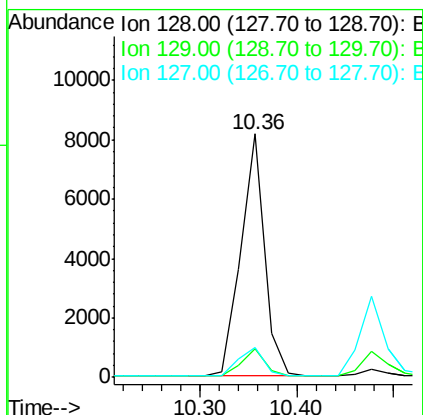
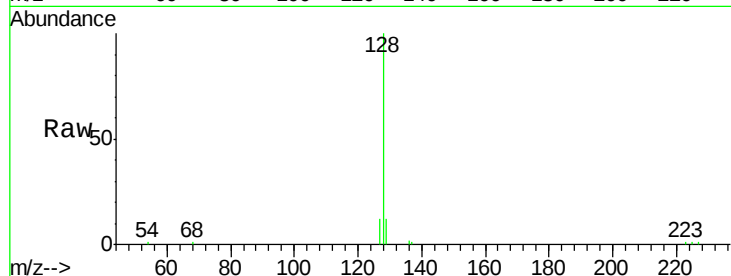
ClientSampleId :

SSTDCCC001EC

Tot Ion:	128	Resp:	13801
Ion Ratio	Lower	Upper	
128	100		
129	11.8	9.0	13.6
127	12.3	10.0	15.0

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#10

Hexachlorobutadiene

Concen: 1.02 ng

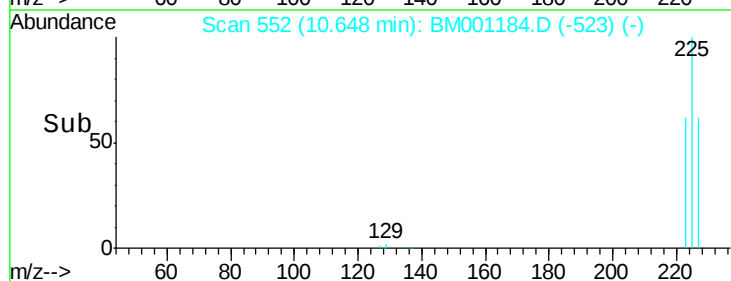
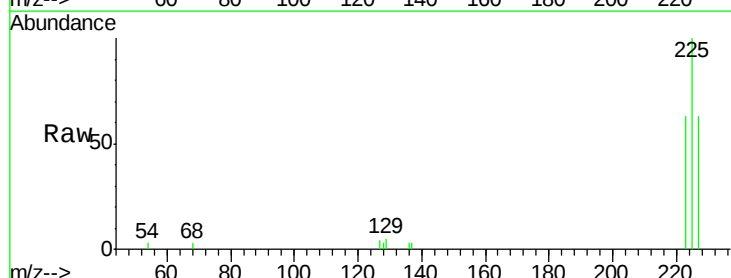
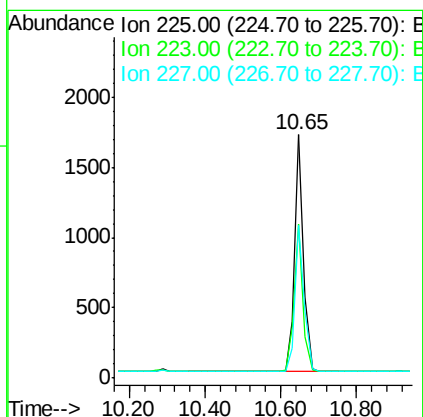
RT: 10.65 min Scan# 552

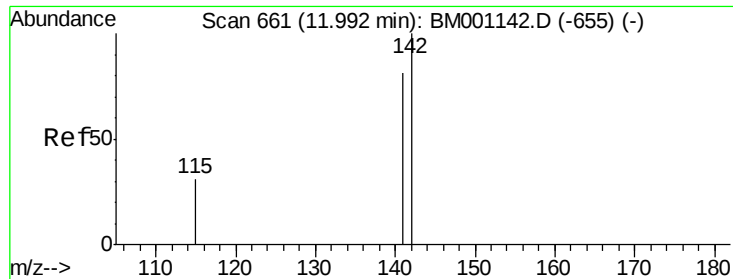
Delta R.T. 0.00 min

Lab File: BM001184.D

Acq: 03 May 2015 01:22

Tgt Ion:	225	Resp:	2676
Ion Ratio	Lower	Upper	
225	100		
223	62.3	50.8	76.2
227	63.9	51.0	76.4





#11

2-Methylnaphthalene

Concen: 1.04 ng/mL

RT: 11.98 min Scan# 660

Delta R.T. -0.01 min

Lab File: BM001184.D

Acq: 03 May 2015 01:22

Instrument :

BNA_M

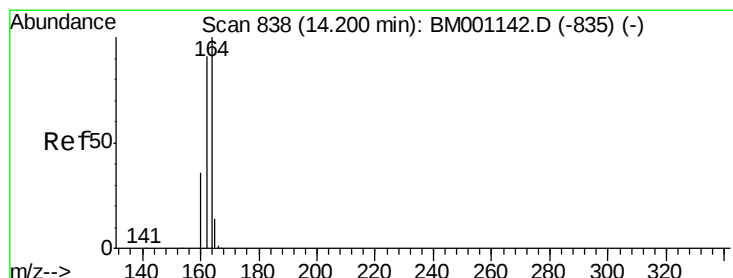
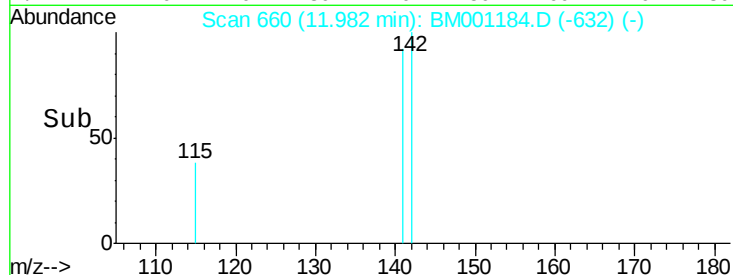
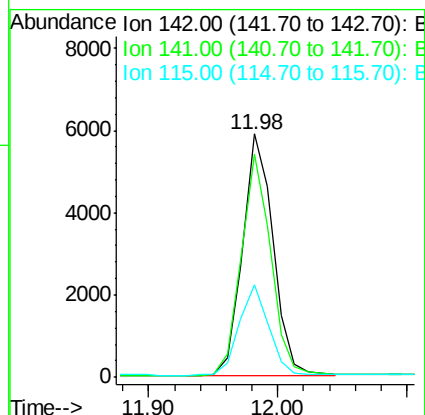
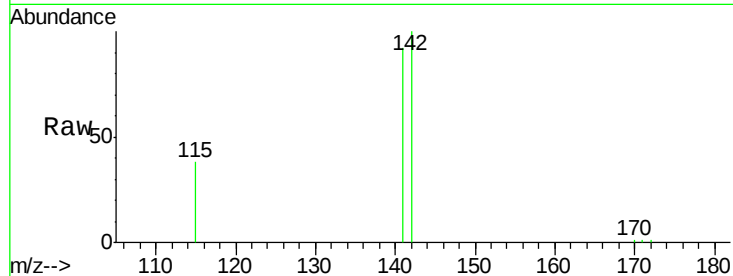
ClientSampleId :

SSTDCCC001EC

Tot Ion:	142	Resp:	9701
Ion Ratio	Lower	Upper	
142	100		
141	91.7	65.1	97.7
115	38.1	25.1	37.7

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#12

Acenaphthene-d10

Concen: 5.00 ng/mL

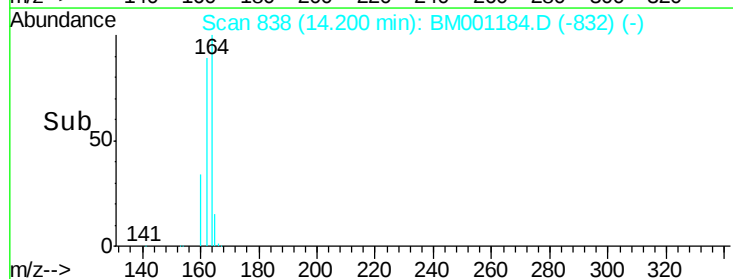
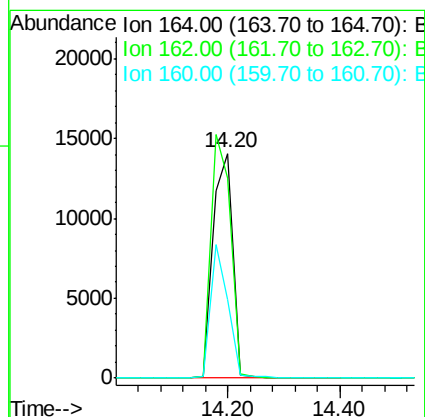
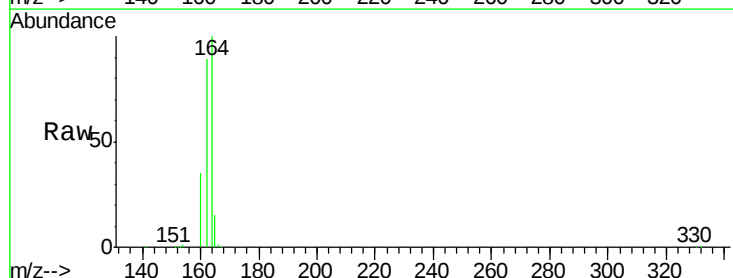
RT: 14.20 min Scan# 838

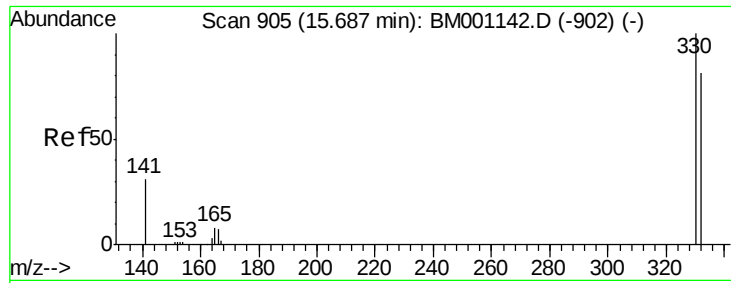
Delta R.T. -0.00 min

Lab File: BM001184.D

Acq: 03 May 2015 01:22

Tgt Ion:	164	Resp:	34547
Ion Ratio	Lower	Upper	
164	100		
162	88.7	72.7	109.1
160	34.6	28.7	43.1





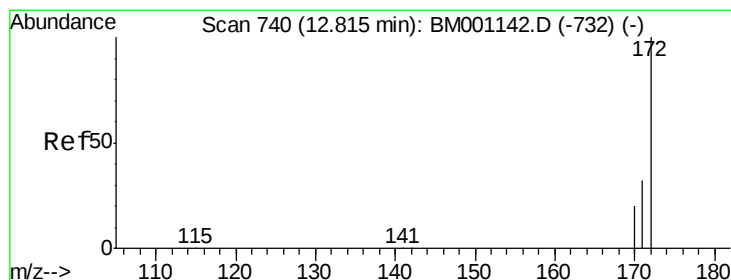
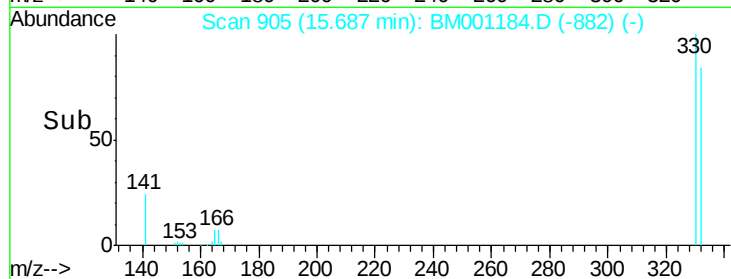
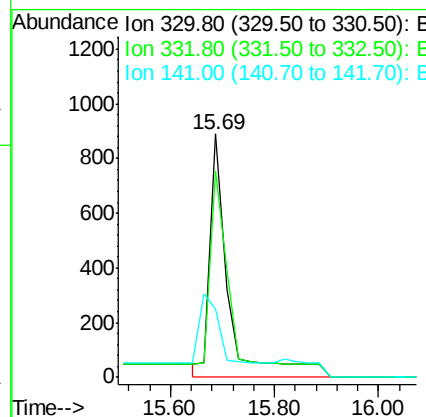
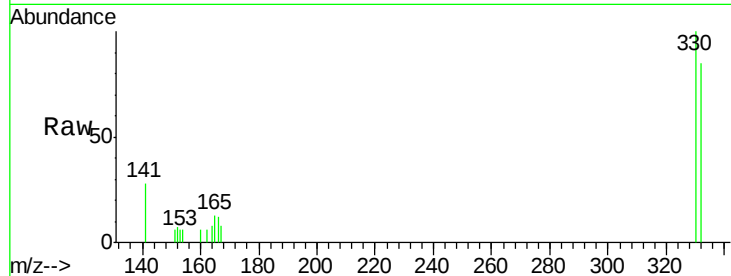
#13
 2,4,6-Tribromophenol
 Concen: 1.46 ng
 RT: 15.69 min Scan# 905
 Delta R.T. 0.00 min
 Lab File: BM001184.D
 Acq: 03 May 2015 01:22

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001EC

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	74.5	111.7
141	0.0	21.0	31.4#

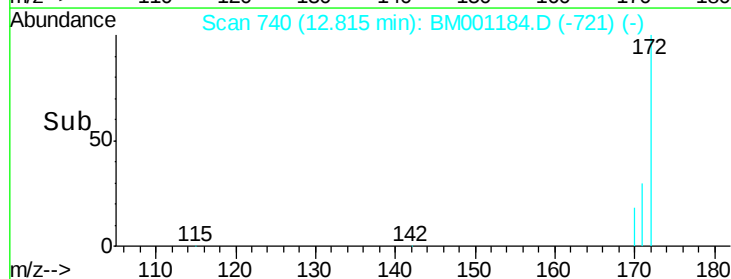
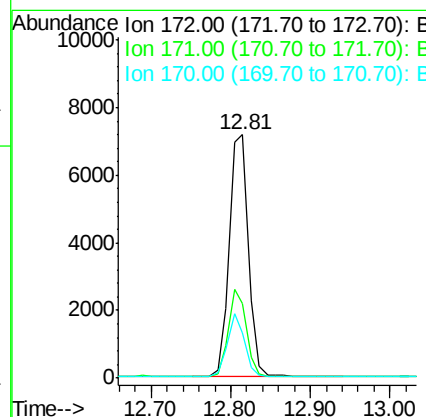
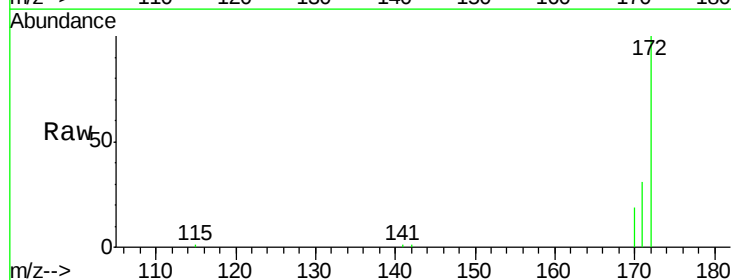
Manual Integrations
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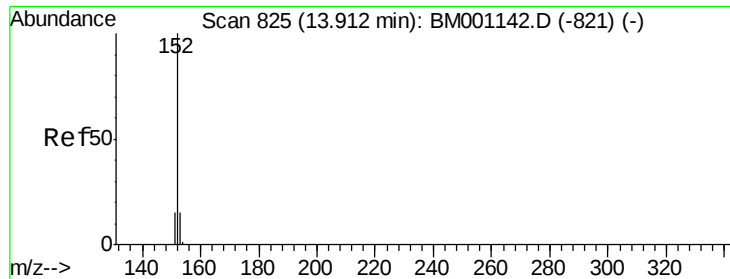
apatel
 5/5/2015 8:05:04 AM



#14
 2-Fluorobiphenyl
 Concen: 1.04 ng
 RT: 12.81 min Scan# 740
 Delta R.T. -0.00 min
 Lab File: BM001184.D
 Acq: 03 May 2015 01:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	30.9	25.8	38.6
170	18.5	16.1	24.1





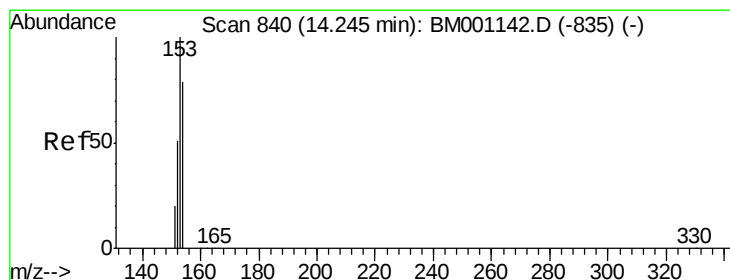
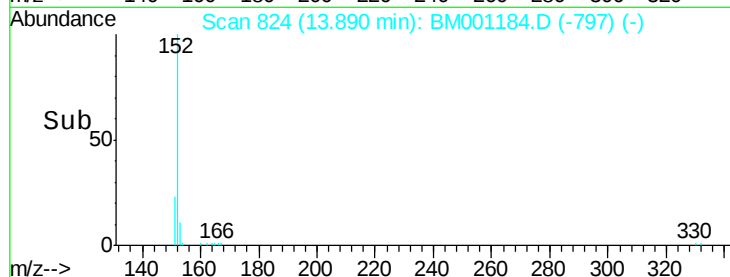
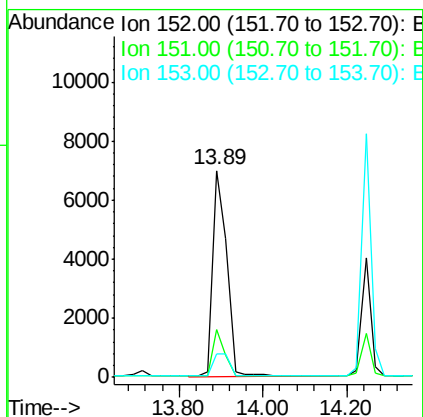
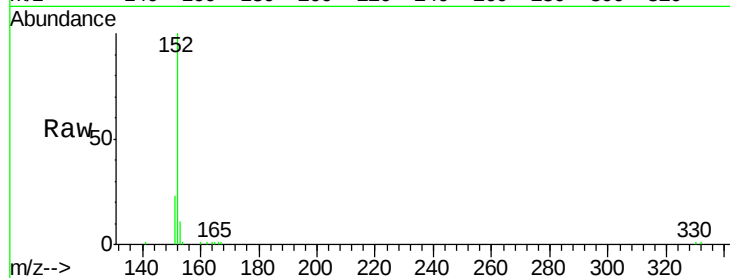
#15
Acenaphthylene
Concen: 1.09 ng
RT: 13.89 min Scan# 824
Delta R.T. -0.02 min
Lab File: BM001184.D
Acq: 03 May 2015 01:22

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.0	0.0	0.0#
153	12.4	10.3	15.5

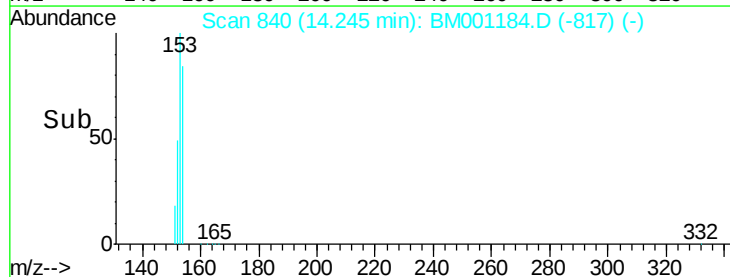
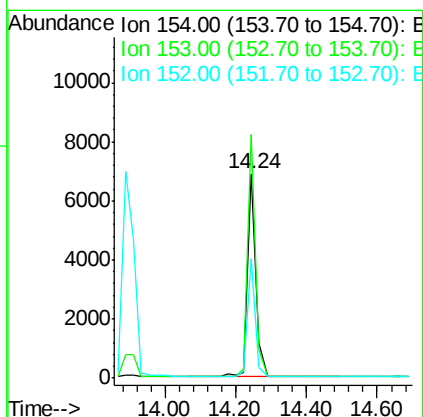
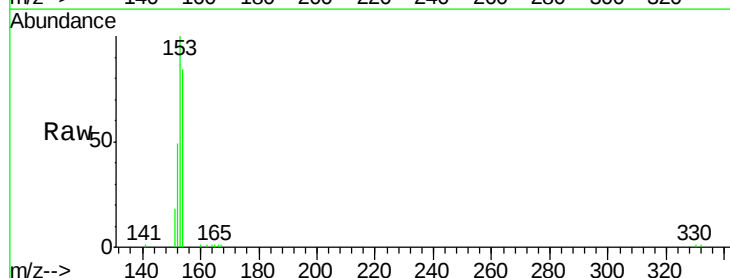
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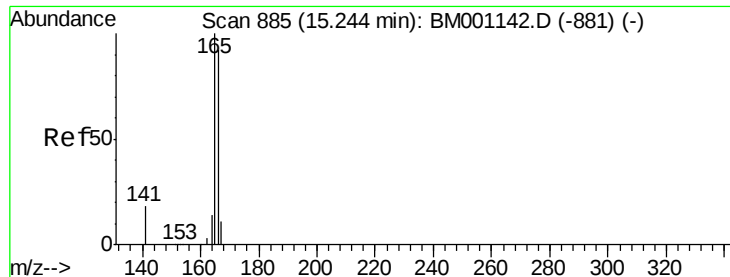
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#16
Acenaphthene
Concen: 1.07 ng
RT: 14.24 min Scan# 840
Delta R.T. -0.00 min
Lab File: BM001184.D
Acq: 03 May 2015 01:22

Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.3	90.6	136.0
152	54.5	45.0	67.4





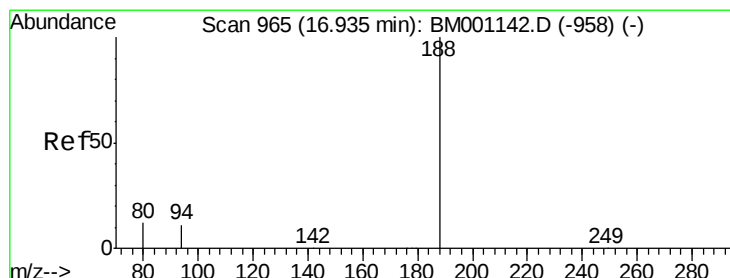
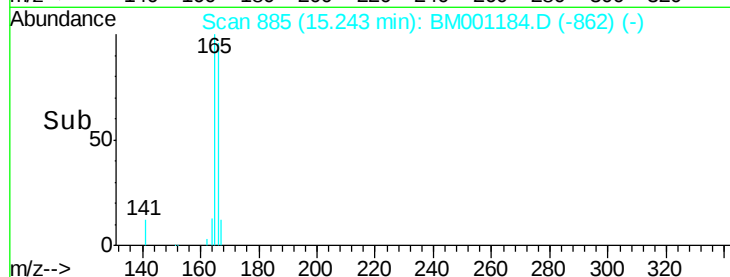
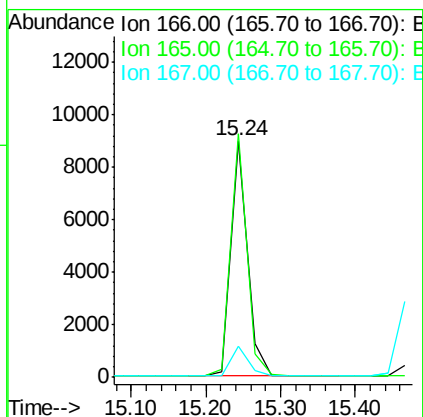
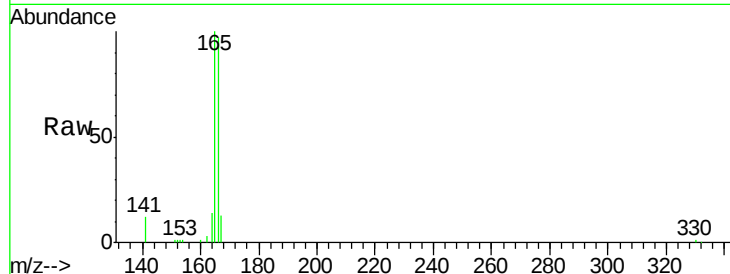
#17
Fluorene
 Concen: 1.14 ng
 RT: 15.24 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: BM001184.D
 Acq: 03 May 2015 01:22

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001EC

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.1	81.0	121.6
167	13.1	10.4	15.6

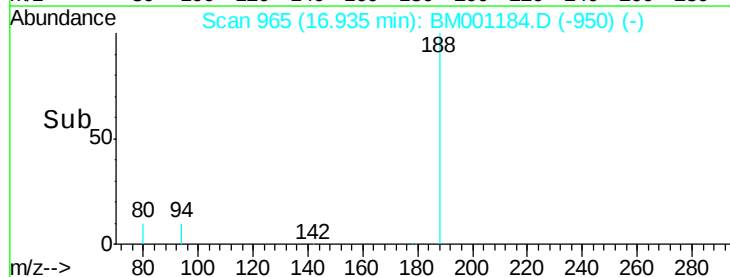
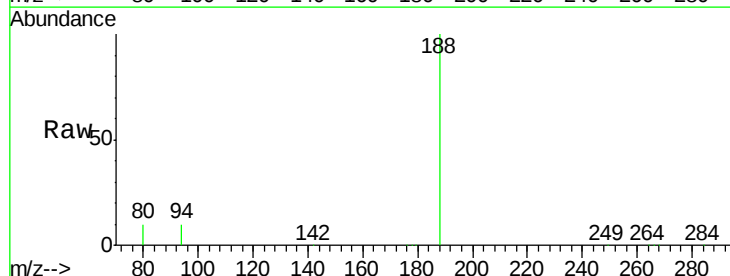
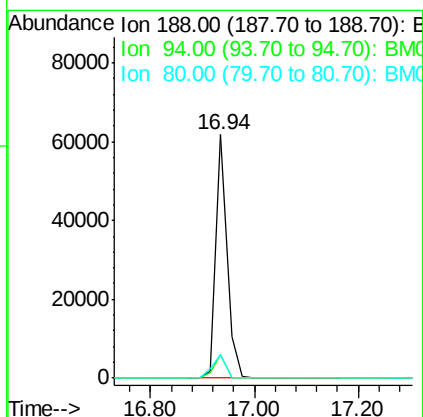
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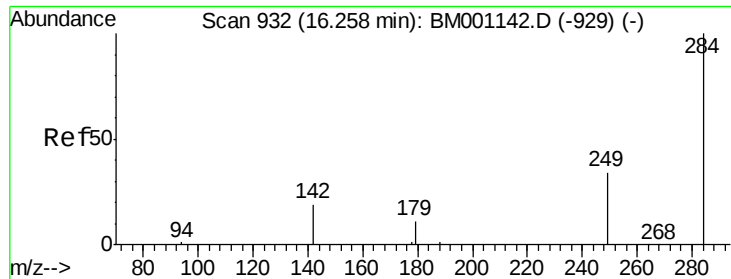
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#18
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 16.94 min Scan# 965
 Delta R.T. -0.00 min
 Lab File: BM001184.D
 Acq: 03 May 2015 01:22

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.6	9.3	13.9
80	9.8	9.8	14.6





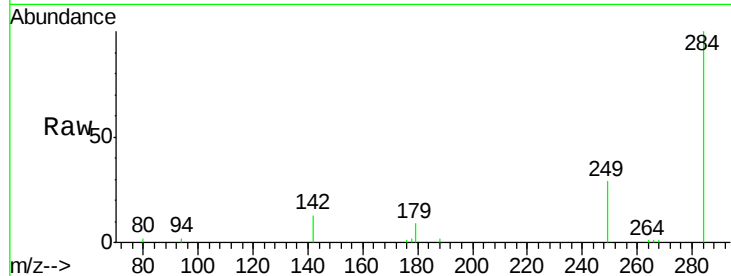
#19
Hexachlorobenzene
Concen: 0.97 ng
RT: 16.26 min Scan# 932
Delta R.T. -0.00 min
Lab File: BM001184.D
Acq: 03 May 2015 01:22

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

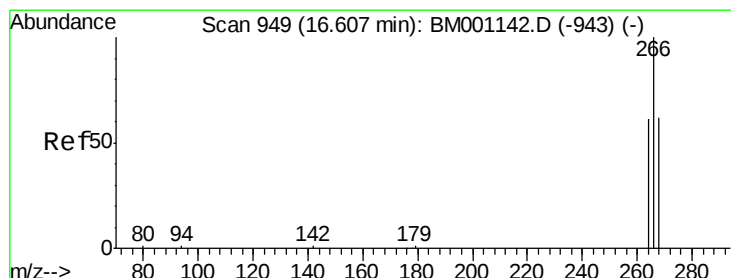
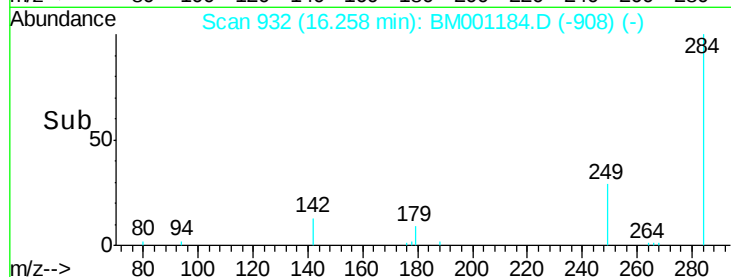
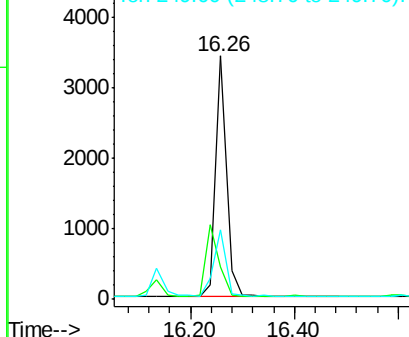
Tot Ion	Ratio	Lower	Upper
284	100		
142	0.0	0.0	0.0
249	32.9	26.5	39.7

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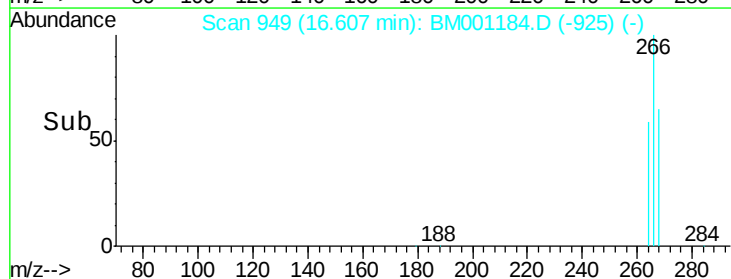
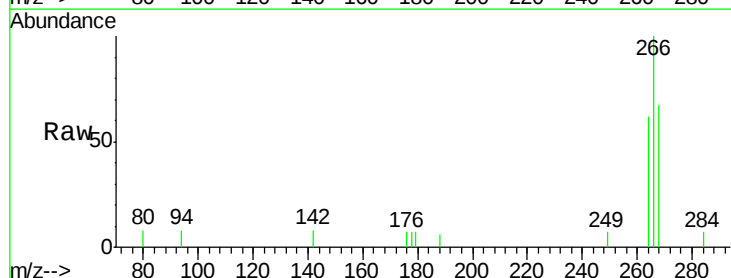
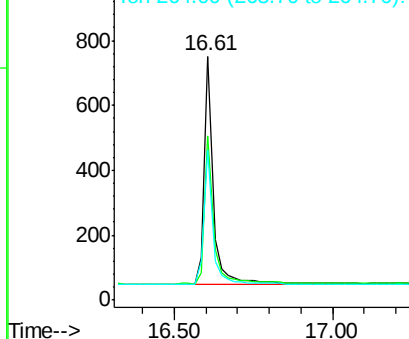
Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

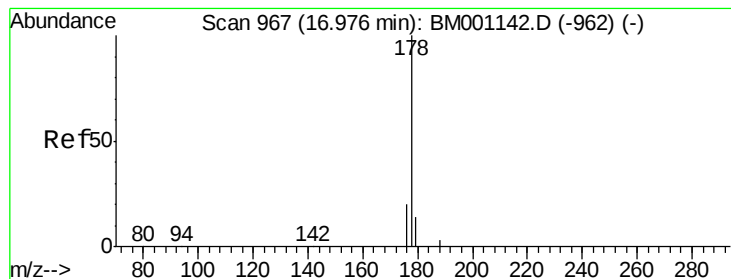


#20
Pentachlorophenol
Concen: 0.99 ng
RT: 16.61 min Scan# 949
Delta R.T. 0.00 min
Lab File: BM001184.D
Acq: 03 May 2015 01:22

Tgt Ion	Ratio	Lower	Upper
266	100		
268	67.2	52.6	79.0
264	61.7	51.0	76.4

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





#21

Phenanthrene

Concen: 1.00 ng

RT: 16.98 min Scan# 967

Delta R.T. -0.00 min

Lab File: BM001184.D

Acq: 03 May 2015 01:22

Instrument :

BNA_M

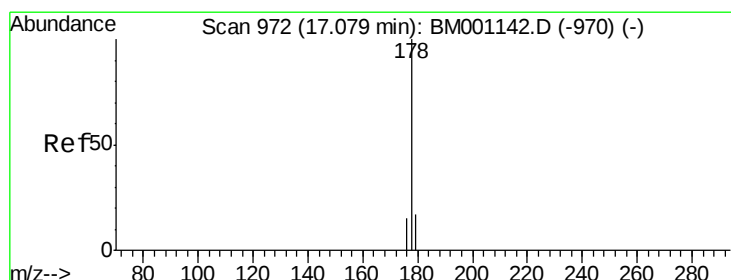
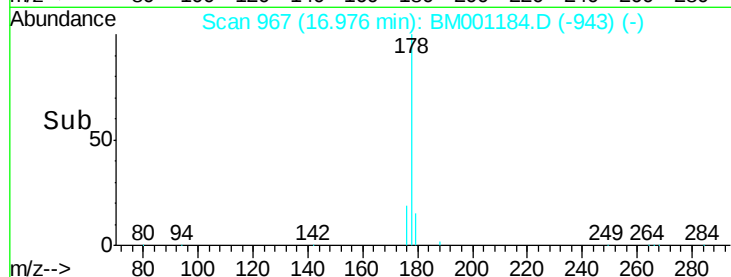
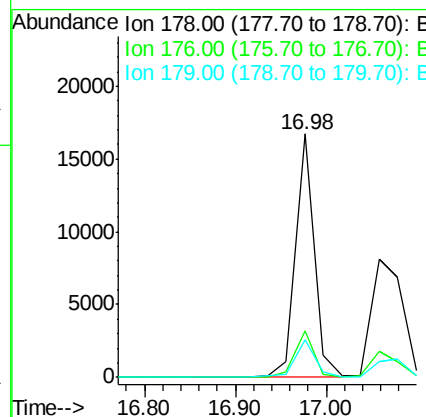
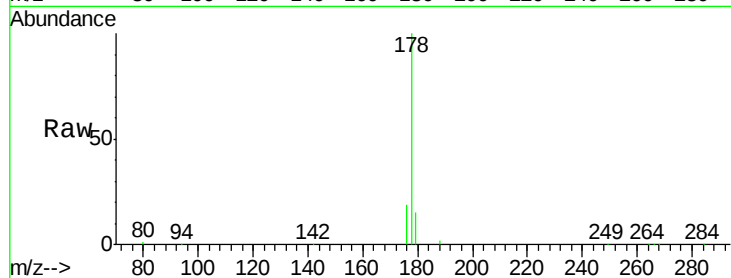
ClientSampleId :

SSTDCCC001EC

Tot Ion:	178	Resp:	23675
Ion Ratio	Lower	Upper	
178	100		
176	18.7	15.5	23.3
179	15.5	12.0	18.0

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#22

Anthracene

Concen: 1.01 ng m

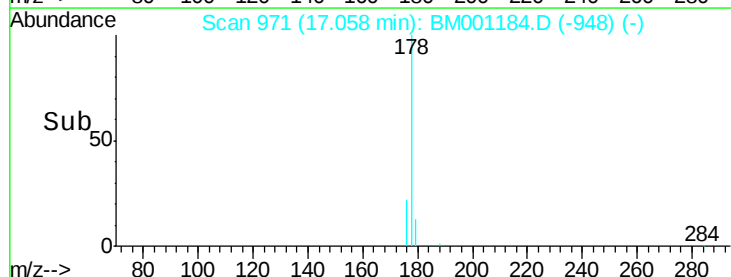
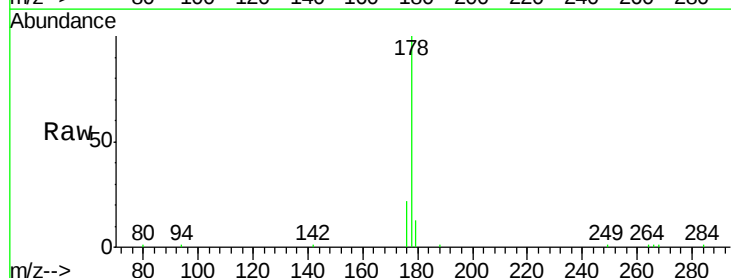
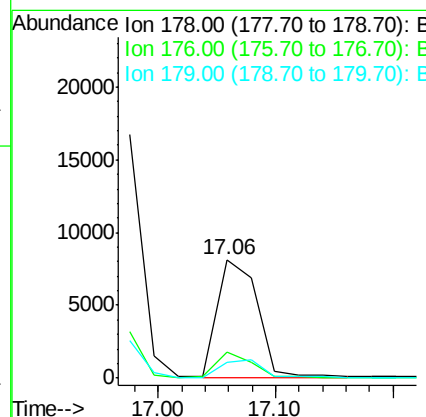
RT: 17.06 min Scan# 971

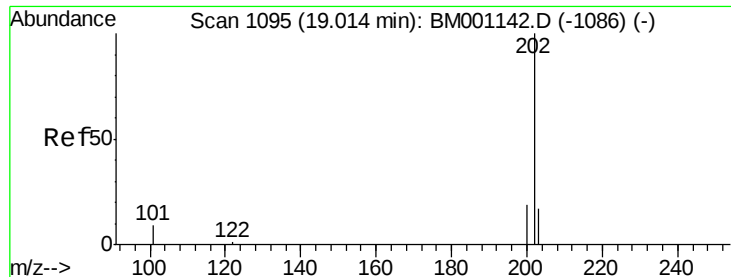
Delta R.T. -0.02 min

Lab File: BM001184.D

Acq: 03 May 2015 01:22

Tgt Ion:	178	Resp:	19756
Ion Ratio	Lower	Upper	
178	100		
176	22.4	14.3	21.5#
179	18.6	12.2	18.2#





#23

Fluoranthene

Concen: 1.03 ng

RT: 19.01 min Scan# 1095

Delta R.T. -0.00 min

Lab File: BM001184.D

Acq: 03 May 2015 01:22

Instrument :

BNA_M

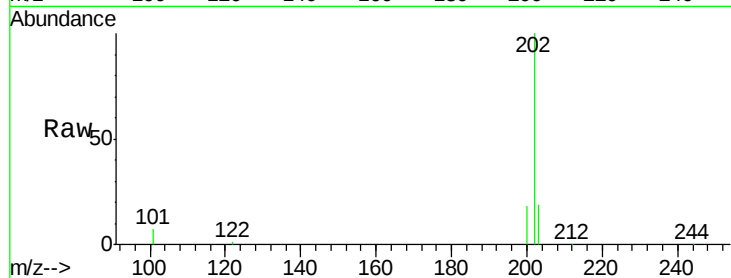
ClientSampleId :

SSTDCCC001EC

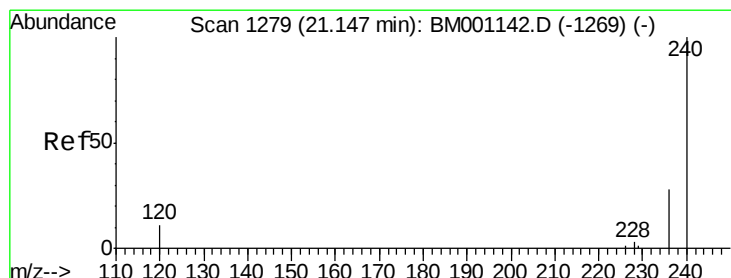
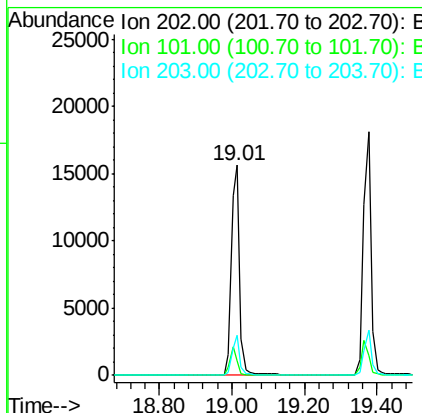
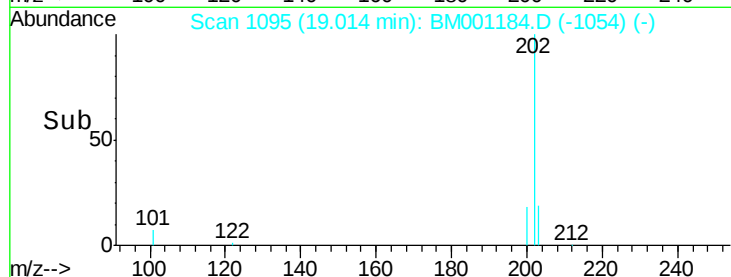
Tot Ion:	202	Resp:	24747
Ion Ratio	Lower	Upper	
202	100		
101	11.3	9.3	13.9
203	17.2	13.7	20.5

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#24

Chrysene-d12

Concen: 5.00 ng

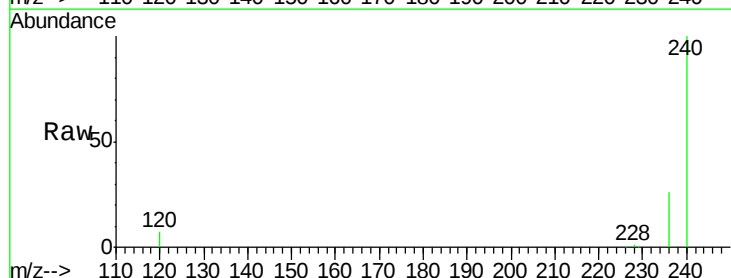
RT: 21.15 min Scan# 1279

Delta R.T. -0.00 min

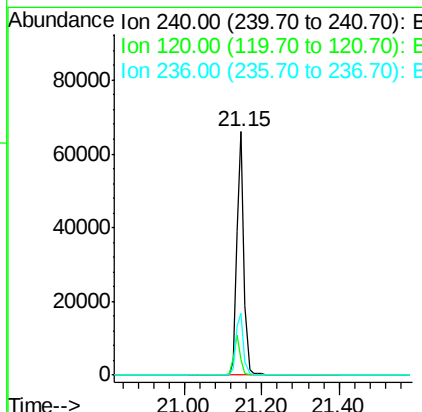
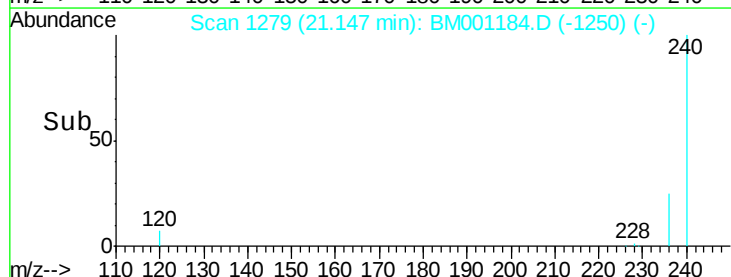
Lab File: BM001184.D

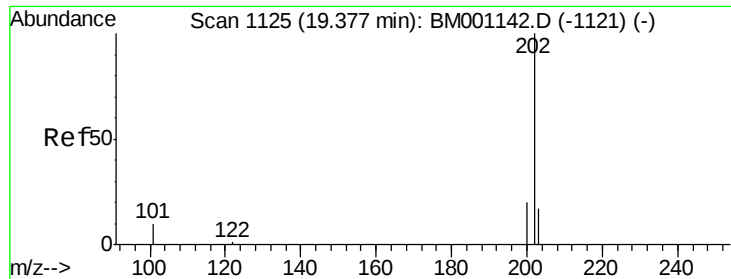
Acq: 03 May 2015 01:22

Tgt Ion:	240	Resp:	82466
Ion Ratio	Lower	Upper	
240	100		
120	6.7	9.2	13.8#
236	25.5	22.4	33.6



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





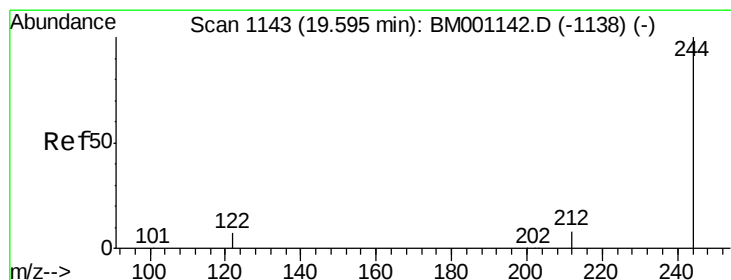
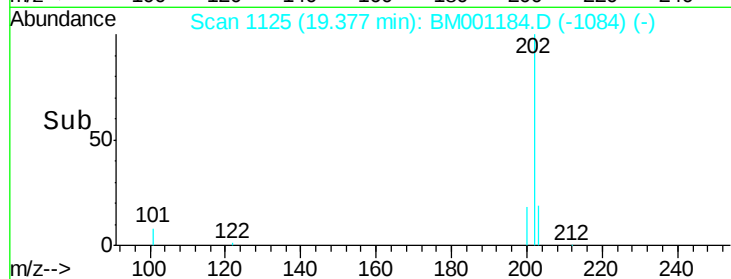
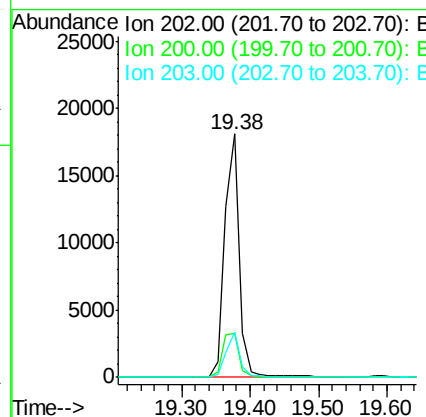
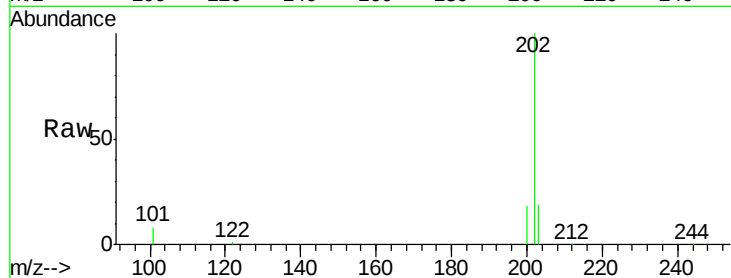
#25
Pvrene
Concen: 1.01 ng
RT: 19.38 min Scan# 1125
Delta R.T. -0.00 min
Lab File: BM001184.D
Acq: 03 May 2015 01:22

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.4	24.6
203	17.3	13.8	20.6

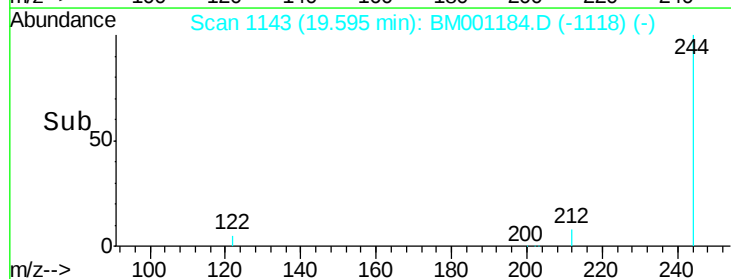
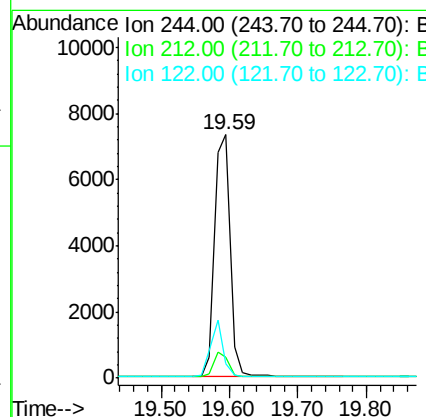
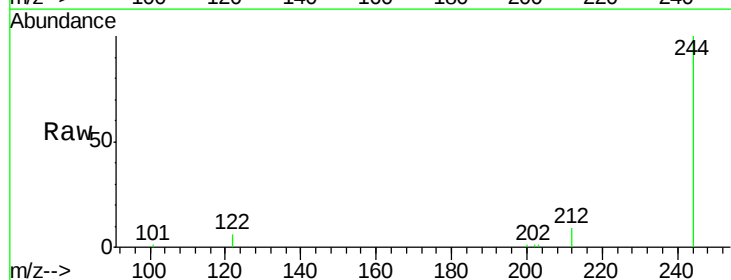
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#26
Terphenyl-d14
Concen: 1.02 ng
RT: 19.59 min Scan# 1143
Delta R.T. -0.00 min
Lab File: BM001184.D
Acq: 03 May 2015 01:22

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.6	7.1	10.7
122	5.9	6.2	9.4#





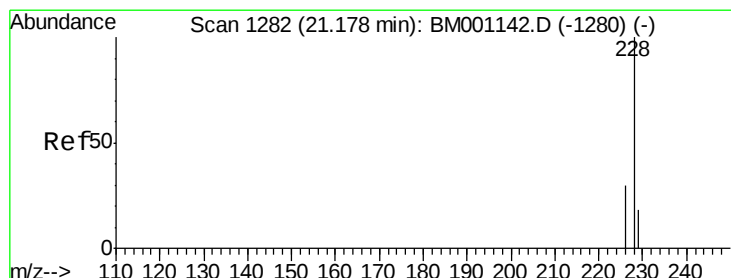
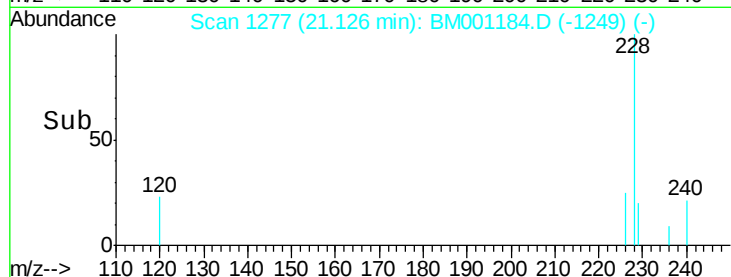
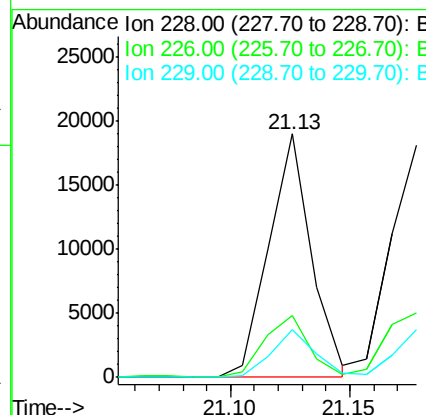
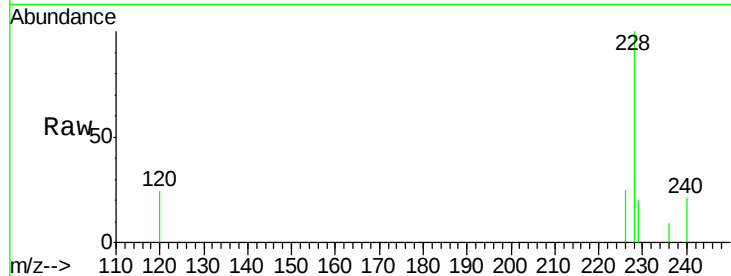
#27
Benzo(a)anthracene
Concen: 1.01 ng
RT: 21.13 min Scan# 1277
Delta R.T. -0.00 min
Lab File: BM001184.D
Acq: 03 May 2015 01:22

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

Tot Ion	Ratio	Lower	Upper
228	100		
226	25.4	22.8	34.2
229	19.8	14.4	21.6

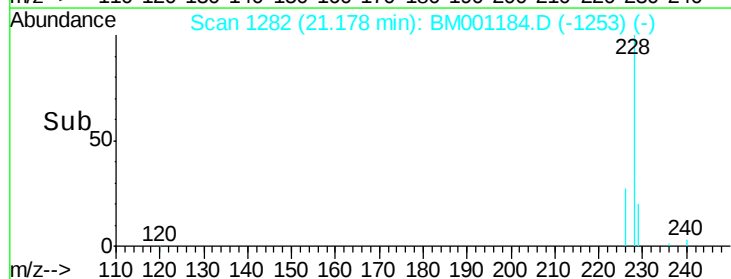
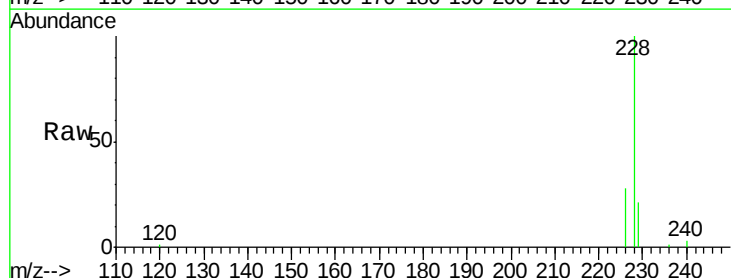
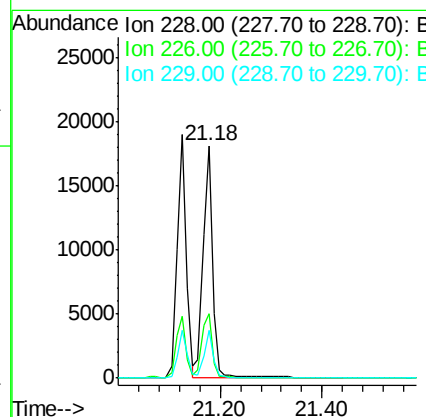
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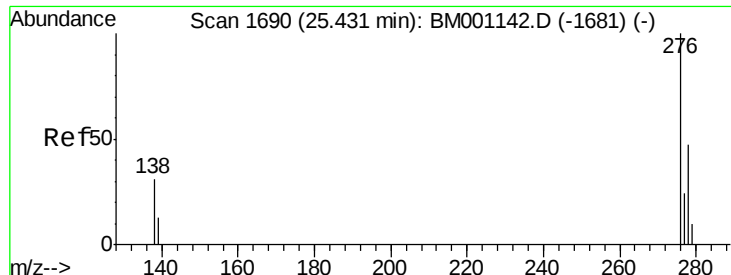
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#28
Chrysene
Concen: 1.01 ng
RT: 21.18 min Scan# 1282
Delta R.T. -0.00 min
Lab File: BM001184.D
Acq: 03 May 2015 01:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.6	24.4	36.6
229	20.6	14.3	21.5





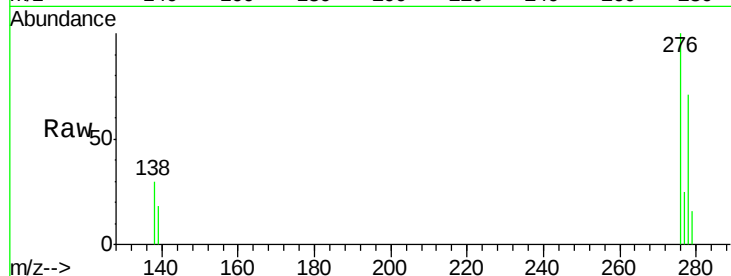
#29
Indeno(1,2,3-cd)pyrene
Concen: 1.02 ng
RT: 25.43 min Scan# 1690
Delta R.T. -0.00 min
Lab File: BM001184.D
Acq: 03 May 2015 01:22

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

Tot Ion	Ratio	Lower	Upper
276	100		
138	30.5	24.2	36.4
277	24.8	19.8	29.6

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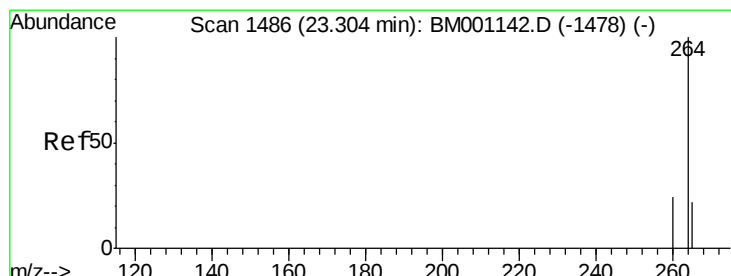
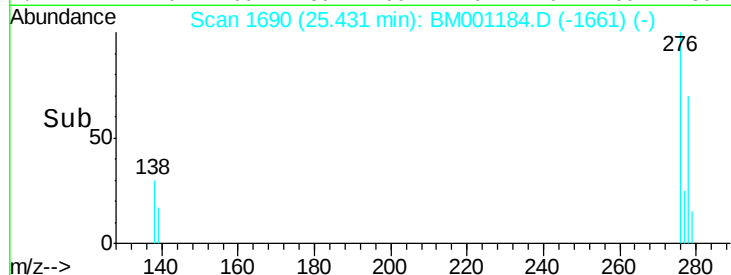
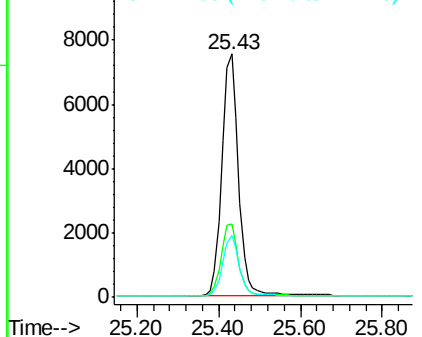


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#30
Perylene-d12
Concen: 5.00 ng
RT: 23.29 min Scan# 1485
Delta R.T. -0.01 min
Lab File: BM001184.D
Acq: 03 May 2015 01:22

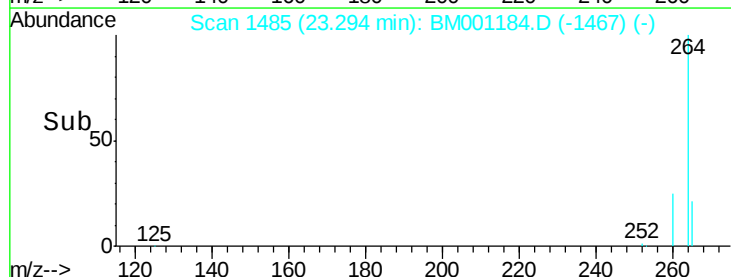
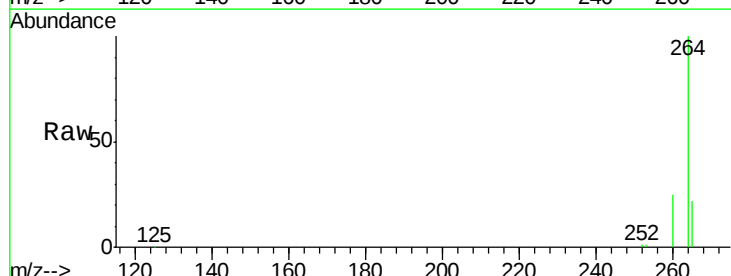
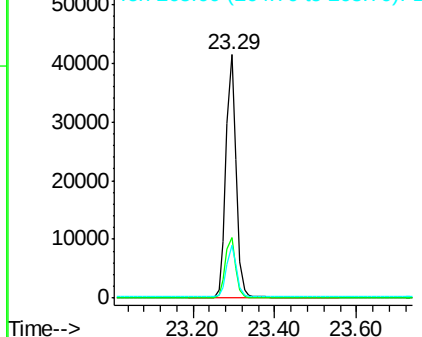
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	18.9	28.3
265	21.6	18.1	27.1

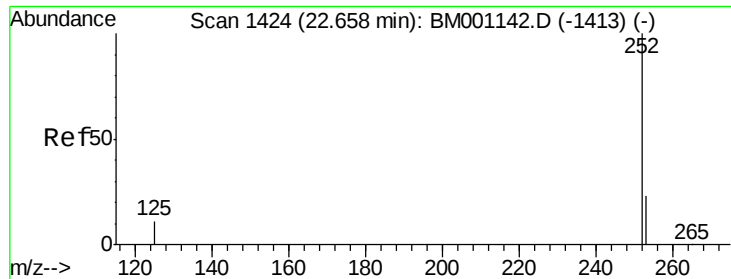
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





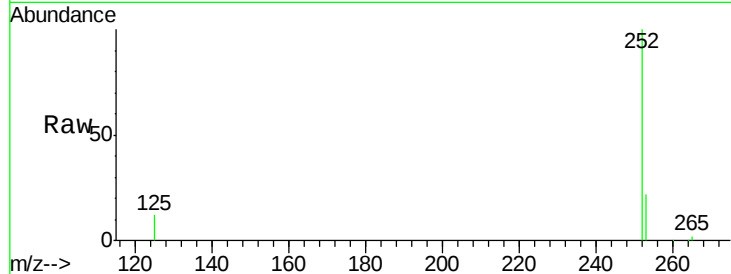
#31
Benzo(b)fluoranthene
Concen: 1.04 ng
RT: 22.65 min Scan# 1423
Delta R.T. -0.01 min
Lab File: BM001184.D
Acq: 03 May 2015 01:22

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

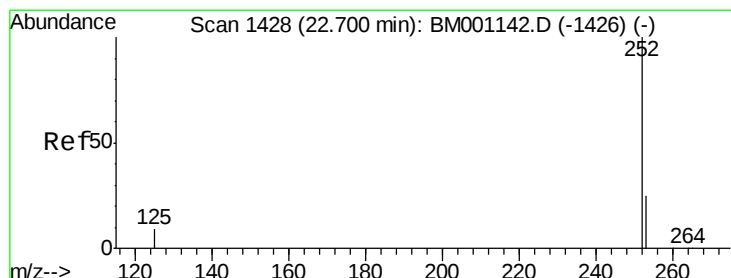
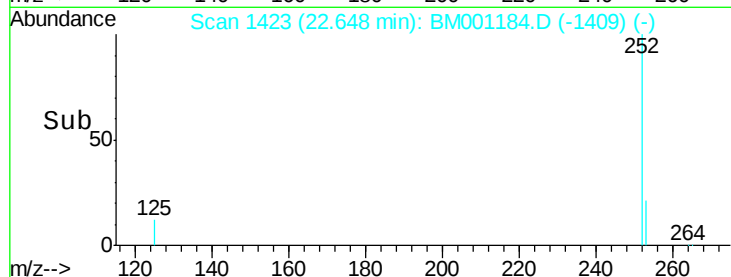
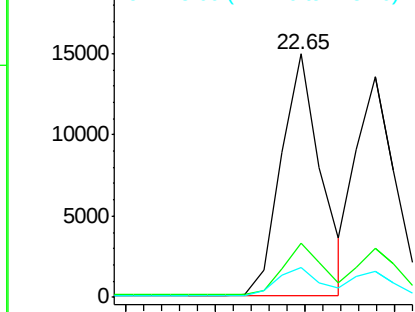
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	19.0	28.4
125	12.2	9.1	13.7

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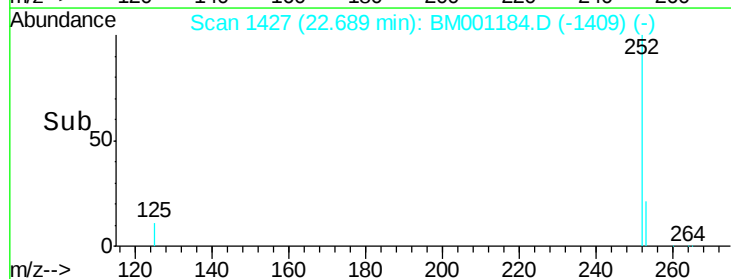
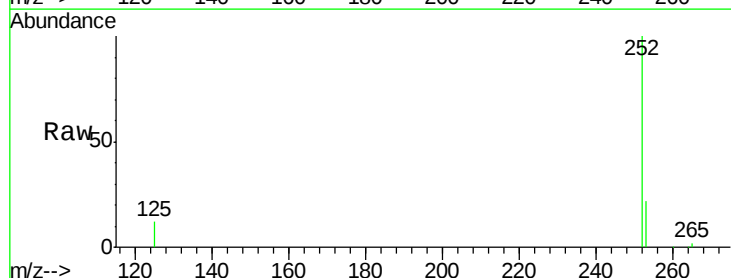
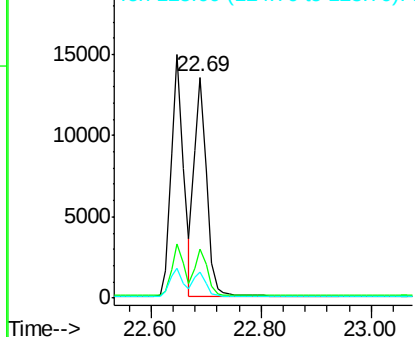
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#32
Benzo(k)fluoranthene
Concen: 1.02 ng
RT: 22.69 min Scan# 1427
Delta R.T. -0.01 min
Lab File: BM001184.D
Acq: 03 May 2015 01:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	19.1	28.7
125	12.0	9.3	13.9

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#33

Benzo(a)pyrene

Concen: 1.05 ng

RT: 23.19 min Scan# 1475

Delta R.T. -0.01 min

Lab File: BM001184.D

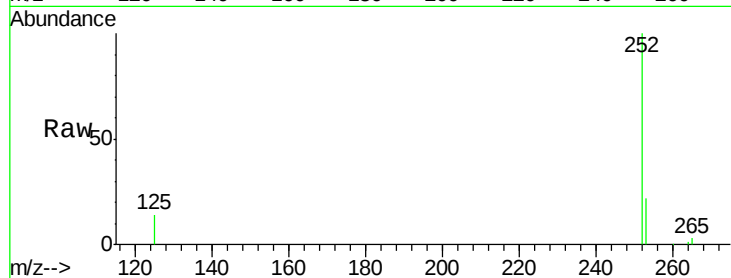
Acq: 03 May 2015 01:22

Instrument :

BNA_M

ClientSampleId :

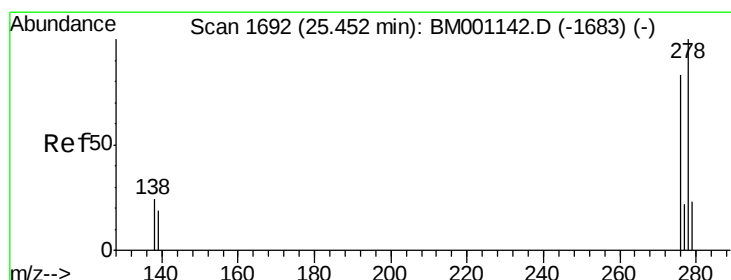
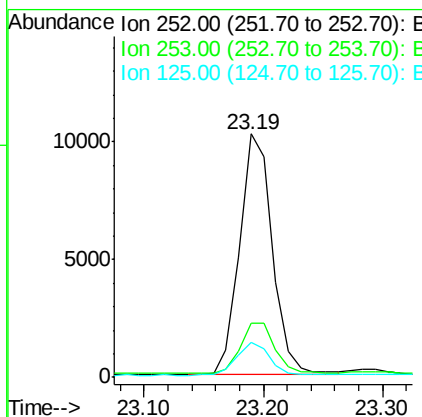
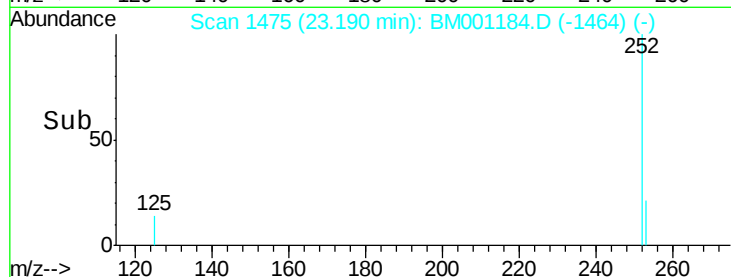
SSTDCCC001EC



Tot Ion:	252	Resp:	19581
Ion Ratio	Lower	Upper	
252	100		
253	22.1	18.2	27.2
125	14.5	10.6	16.0

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#34

Dibenzo(a,h)anthracene

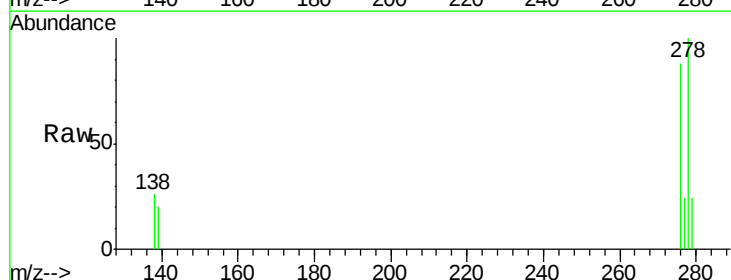
Concen: 1.01 ng

RT: 25.44 min Scan# 1691

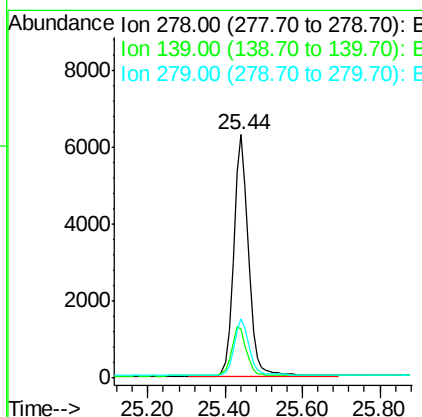
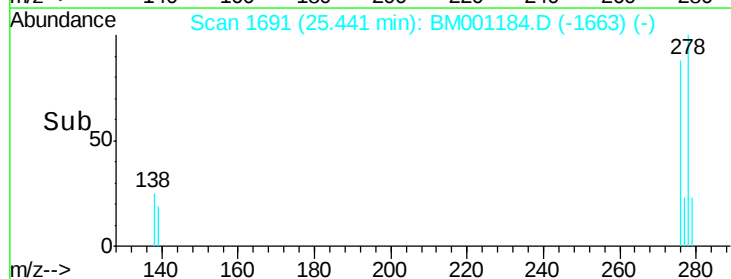
Delta R.T. -0.01 min

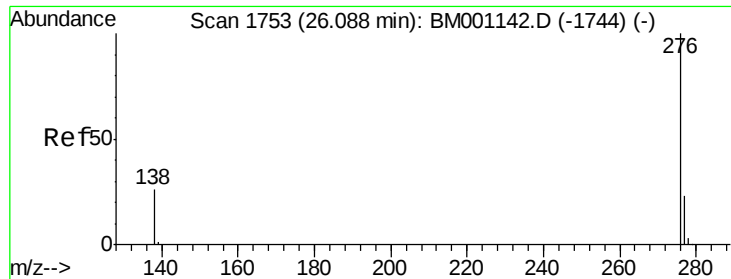
Lab File: BM001184.D

Acq: 03 May 2015 01:22



Tgt Ion:	278	Resp:	16633
Ion Ratio	Lower	Upper	
278	100		
139	20.0	15.5	23.3
279	24.3	19.7	29.5





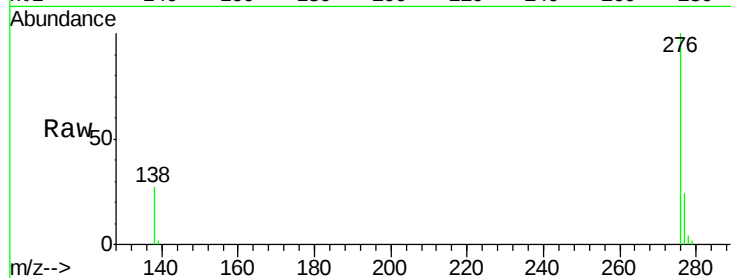
#35
 Benzo(a,h,i)perylene
 Concen: 0.99 ng
 RT: 26.08 min Scan# 1752
 Delta R.T. -0.01 min
 Lab File: BM001184.D
 Acq: 03 May 2015 01:22

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001EC

Tot Ion:	276	Resp:	17097
Ion Ratio	Lower	Upper	
276	100		
277	24.2	19.0	28.4
138	26.9	21.3	31.9

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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

