

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022816\
 Data File : BM004473.D
 Acq On : 29 Feb 2016 09:38
 Operator : SJ/UM
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001EC

Manual Integrations
 APPROVED

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 2/29/2016 2:49:23 PM

Quant Time: Feb 29 10:41:58 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM022816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 29 05:57:18 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	14244	5.00	ng	0.00
7) Naphthalene-d8	10.38	136	52159	5.00	ng	0.00
12) Acenaphthene-d10	14.25	164	38008	5.00	ng	0.00
15) Phenanthrene-d10	17.03	188	47559	5.00	ng	0.00
19) Chrysene-d12	21.24	240	67217	5.00	ng	0.00
28) Perylene-d12	23.47	264	54121	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.23	112	2484	0.79	ng	0.02
5) Phenol-d6	6.82	99	2790	0.78	ng	0.00
8) Nitrobenzene-d5	8.79	82	2139	0.74	ng	0.00
13) 2,4,6-Tribromophenol	15.78	330	747	0.60	ng	0.00
14) 2-Fluorobiphenyl	12.89	172	8752	0.75	ng	0.00
22) Terphenyl-d14	19.68	244	7454	0.87	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.10	88	1135	0.96	ng	96
3) n-Nitrosodimethylamine	3.42	42	905	0.86	ng	# 99
6) bis(2-Chloroethyl)ether	7.04	93	2287	0.81	ng	# 94
9) Nitrobenzene	8.81	77	2374	0.74	ng	# 99
10) Hexachlorobutadiene	10.74	225	1722	0.81	ng	99
11) 2-Methylnaphthalene	12.07	142	6959	0.88	ng	95
16) Hexachlorobenzene	16.35	284	2297	0.93	ng	# 100
17) Pentachlorophenol	16.72	266	566	0.77	ng	92
18) Fluoranthene	19.10	202	16781	0.89	ng	100
20) Benzidine	19.32	184	3953	1.02	ng	# 91
21) Pyrene	19.48	202	17559	0.88	ng	100
23) Benzo(a)anthracene	21.22	228	15169m	0.79	ng	
24) 3,3'-Dichlorobenzidine	21.17	252	5934	0.90	ng	# 97
25) Chrysene	21.29	228	14536m	0.59	ng	
26) Bis(2-ethylhexyl)phthalate	21.14	149	8560	0.72	ng	97
27) Indeno(1,2,3-cd)pyrene	25.71	276	15131	0.86	ng	99
29) Benzo(b)fluoranthene	22.80	252	17790	0.87	ng	100
30) Benzo(k)fluoranthene	22.85	252	14506	0.82	ng	99
31) Benzo(a)pyrene	23.37	252	13946	0.88	ng	100
32) Dibenzo(a,h)anthracene	25.71	278	11740	0.83	ng	99
33) Benzo(g,h,i)perylene	26.40	276	13141	0.84	ng	99

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

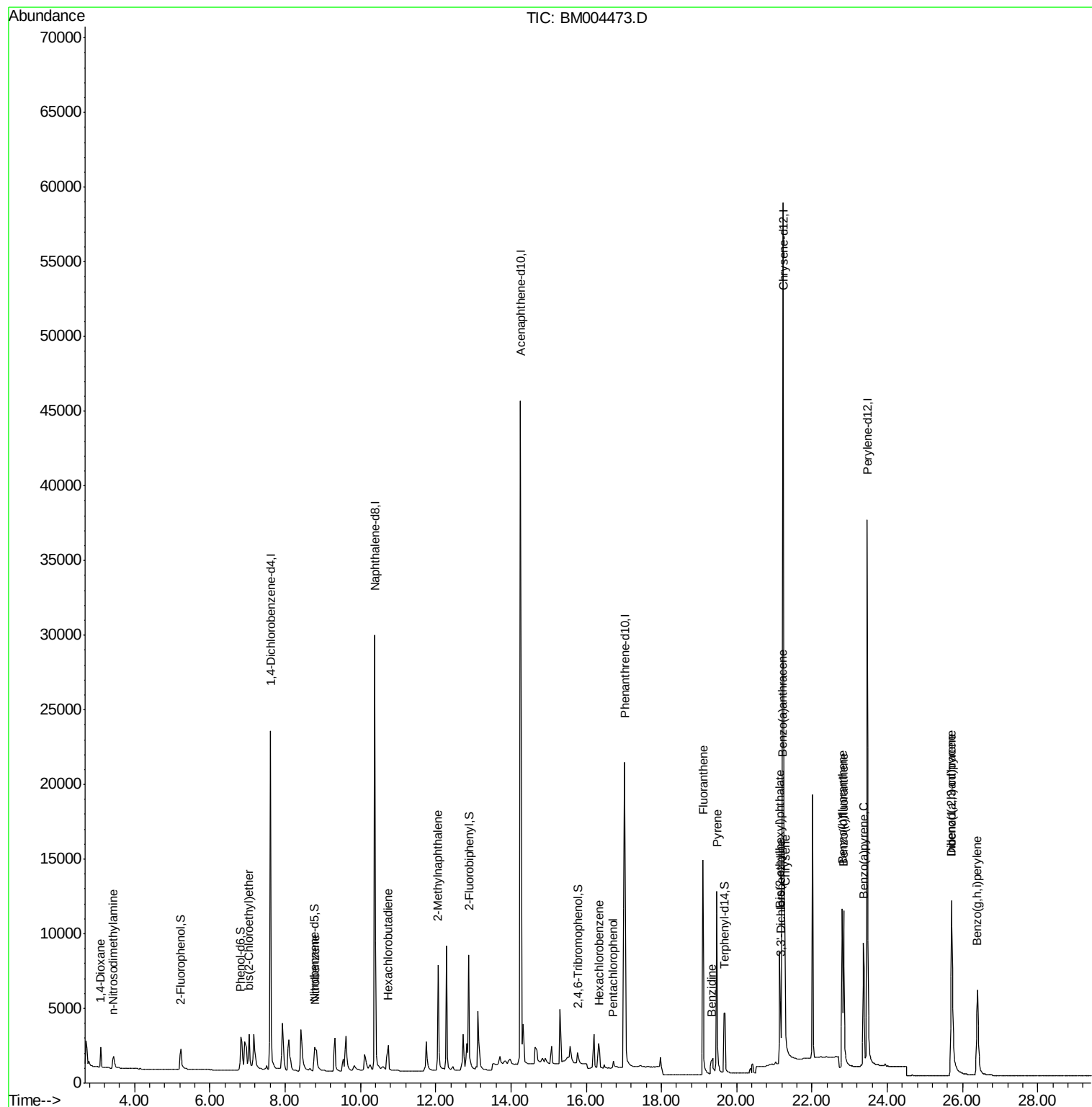
Data Path : Z:\HPCHEM1\BNA M\DATA\BM022816\
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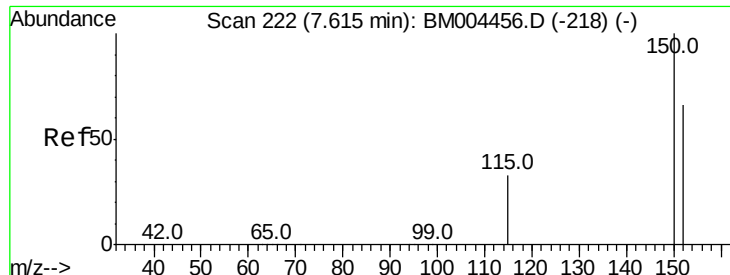
Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.61 min Scan# 222

Delta R.T. -0.00 min

Lab File: BM004473.D

Acq: 29 Feb 2016 09:38

Instrument :

BNA_M

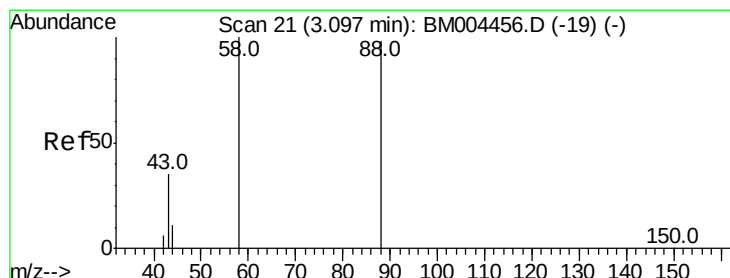
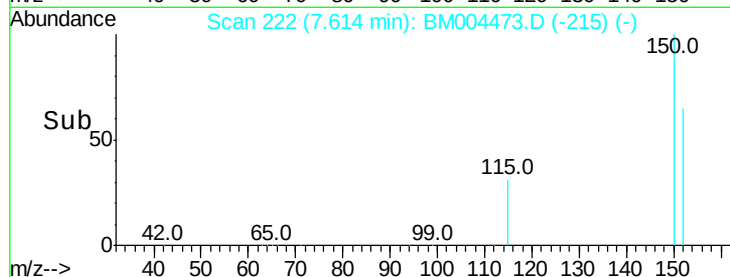
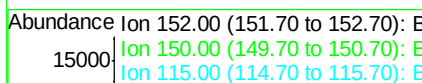
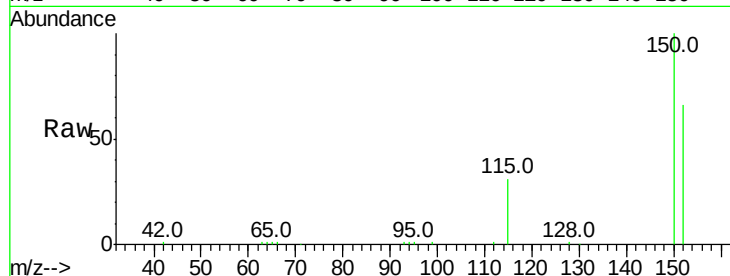
ClientSampleId :

SSTDCCC001EC

Tot Ion:	152	Resp:	14244
Ion	Ratio	Lower	Upper
152	100		
150	152.6	123.9	185.9
115	47.9	40.6	61.0

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#2

1,4-Dioxane

Concen: 0.96 ng

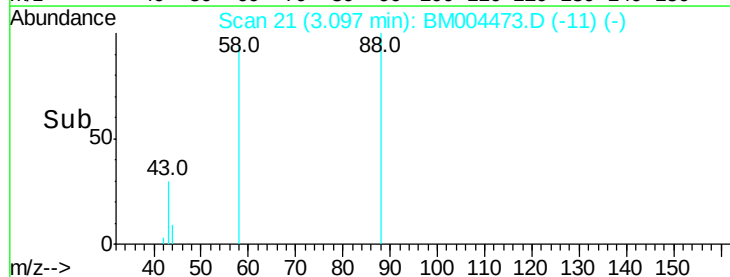
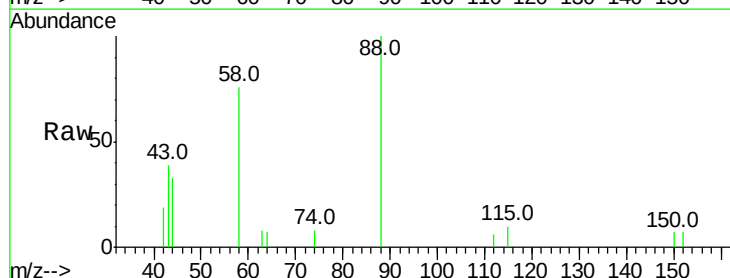
RT: 3.10 min Scan# 21

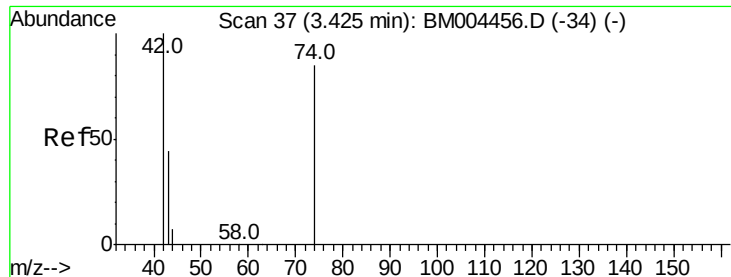
Delta R.T. -0.00 min

Lab File: BM004473.D

Acq: 29 Feb 2016 09:38

Tgt Ion:	88	Resp:	1135
Ion	Ratio	Lower	Upper
88	100		
58	69.9	58.5	87.7
43	25.0	22.2	33.2





#3

n-Nitrosodimethylamine

Concen: 0.86 ng

RT: 3.42 min Scan# 37

Delta R.T. -0.00 min

Lab File: BM004473.D

Acq: 29 Feb 2016 09:38

Instrument :

BNA_M

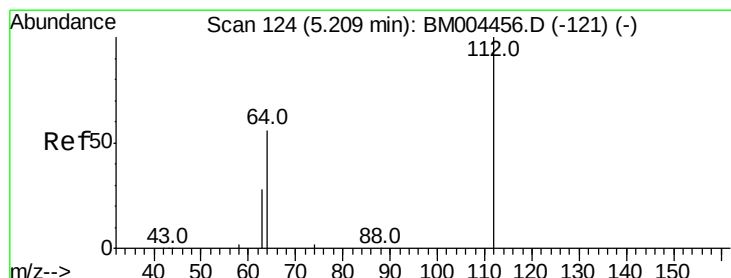
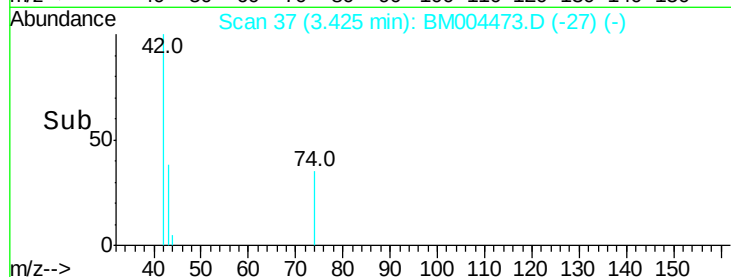
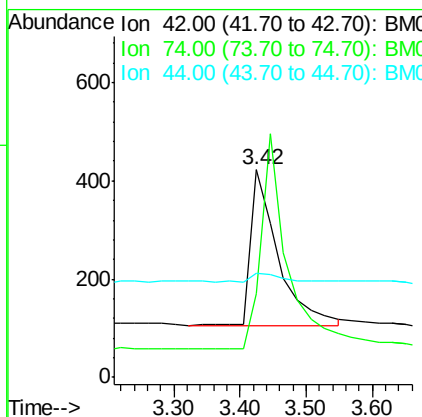
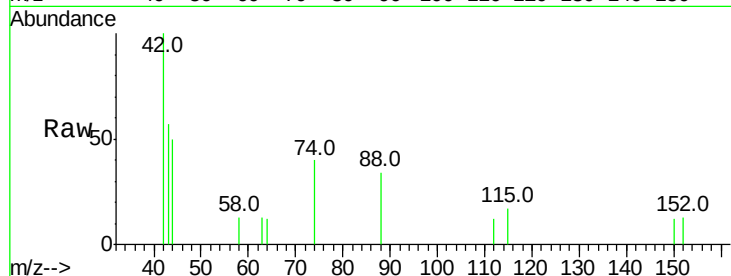
ClientSampleId :

SSTDCCC001EC

Tot Ion:	42	Resp:	905
Ion	Ratio	Lower	Upper
42	100		
74	0.0	0.0	0.0
44	6.9	5.8	8.6

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#4

2-Fluorophenol

Concen: 0.79 ng

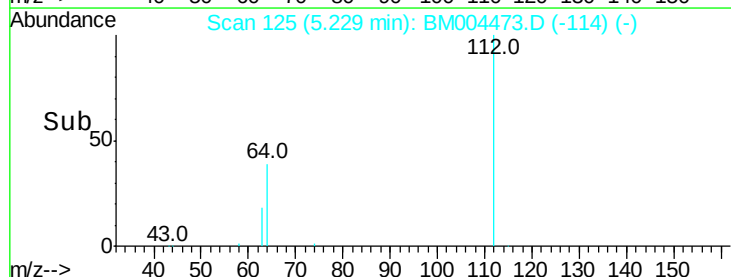
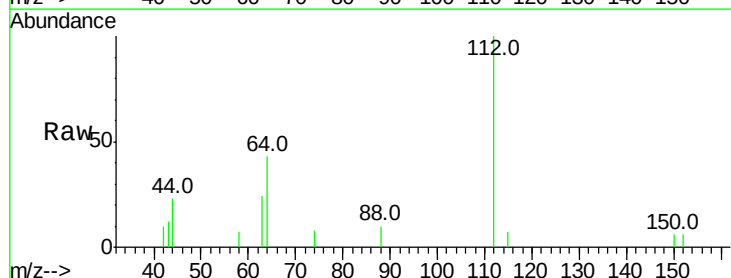
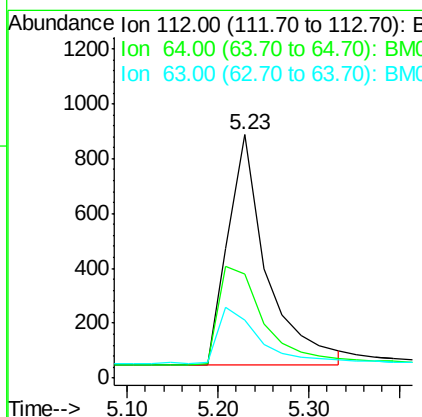
RT: 5.23 min Scan# 125

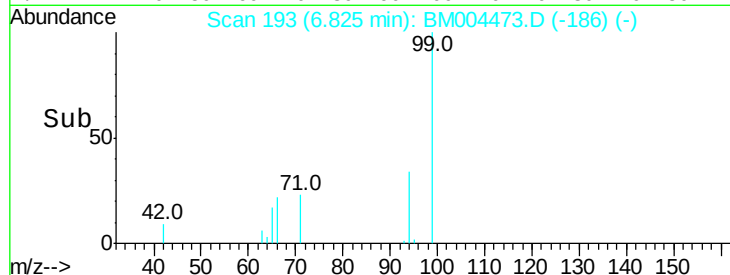
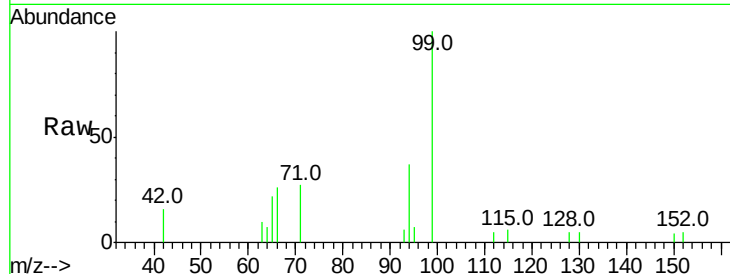
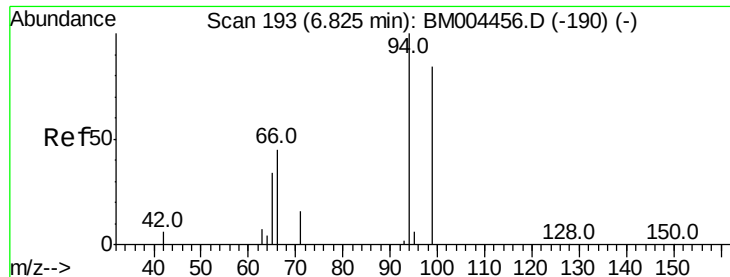
Delta R.T. 0.02 min

Lab File: BM004473.D

Acq: 29 Feb 2016 09:38

Tgt Ion:	112	Resp:	2484
Ion	Ratio	Lower	Upper
112	100		
64	0.0	39.4	59.2#
63	0.0	19.9	29.9#





#5

Phenol-d6

Concen: 0.78 ng

RT: 6.82 min Scan# 193

Delta R.T. -0.00 min

Lab File: BM004473.D

Acq: 29 Feb 2016 09:38

Instrument :

BNA_M

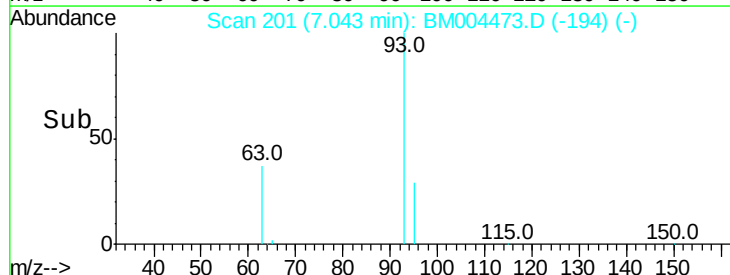
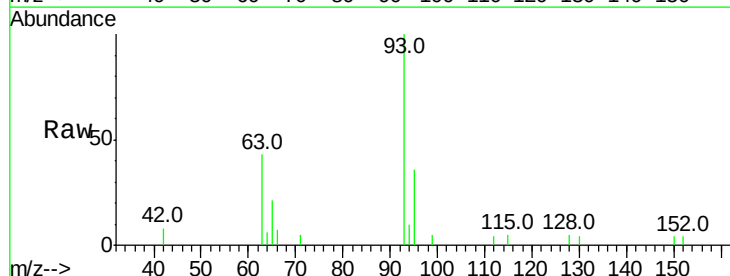
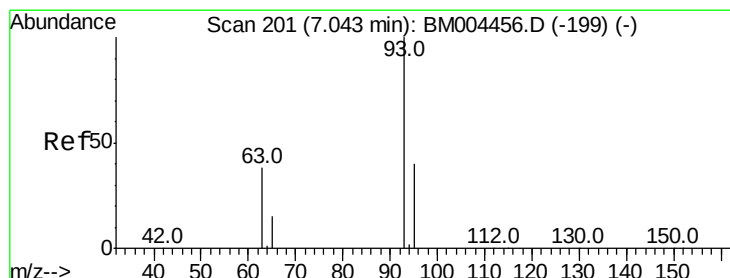
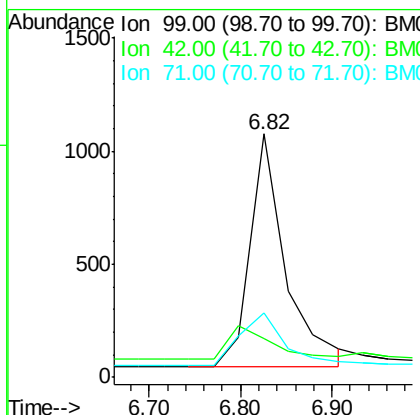
ClientSampleId :

SSTDCCC001EC

Tot Ion	99	Resp	2790
Ion	Ratio	Lower	Upper
99	100		
42	0.0	0.0	0.0
71	29.5	0.0	0.0#

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#6

bis(2-Chloroethyl)ether

Concen: 0.81 ng

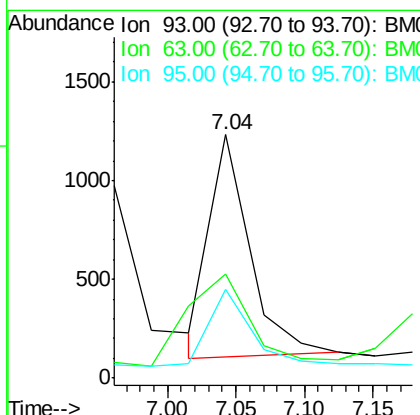
RT: 7.04 min Scan# 201

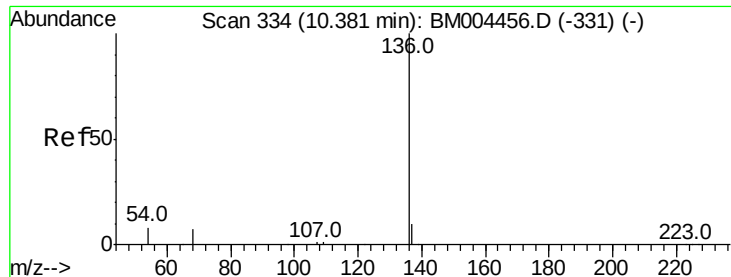
Delta R.T. -0.00 min

Lab File: BM004473.D

Acq: 29 Feb 2016 09:38

Tgt Ion	93	Resp	2287
Ion	Ratio	Lower	Upper
93	100		
63	73.7	0.0	0.0#
95	37.3	27.1	40.7





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.38 min Scan# 334

Delta R.T. -0.00 min

Lab File: BM004473.D

Acq: 29 Feb 2016 09:38

Instrument :

BNA_M

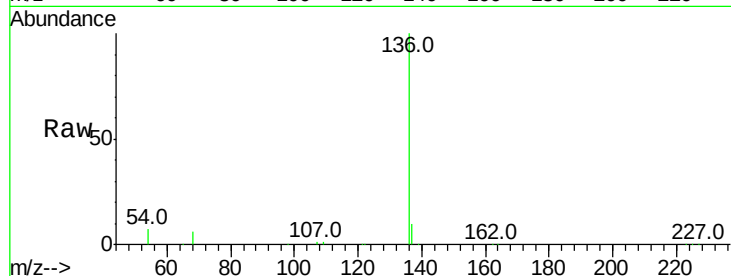
ClientSampleId :

SSTDCCC001EC

Tot Ion:	136	Resp:	52159
Ion Ratio	Lower	Upper	
136	100		
137	10.2	8.0	12.0
54	7.4	7.0	10.6
68	6.2	5.8	8.6

Manual Integrations
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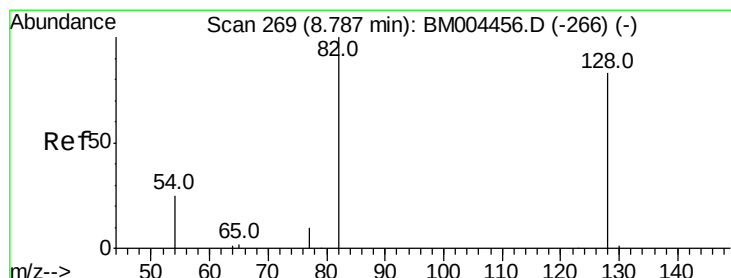
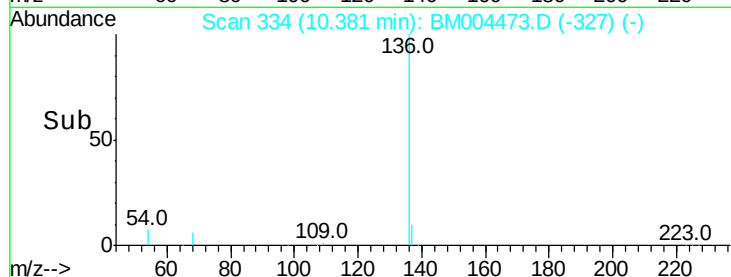
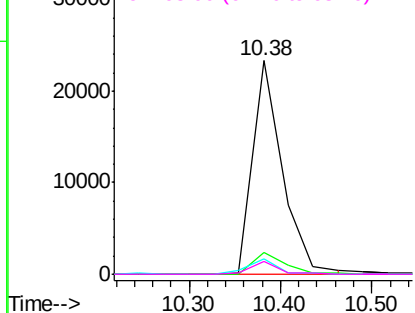


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



#8

Nitrobenzene-d5

Concen: 0.74 ng

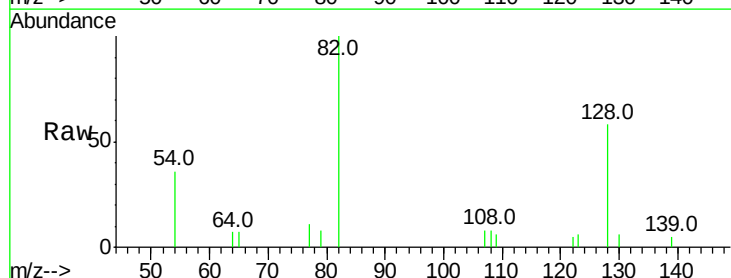
RT: 8.79 min Scan# 269

Delta R.T. -0.00 min

Lab File: BM004473.D

Acq: 29 Feb 2016 09:38

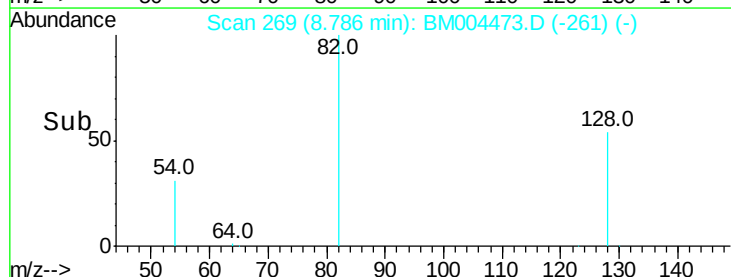
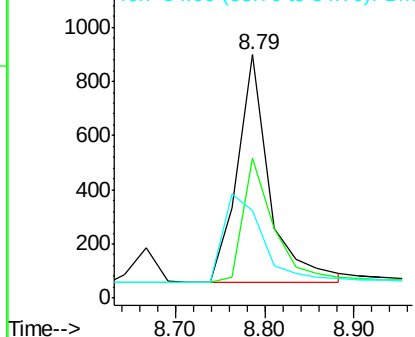
Tgt Ion:	82	Resp:	2139
Ion Ratio	Lower	Upper	
82	100		
128	57.5	67.0	100.6#
54	35.8	25.2	37.8

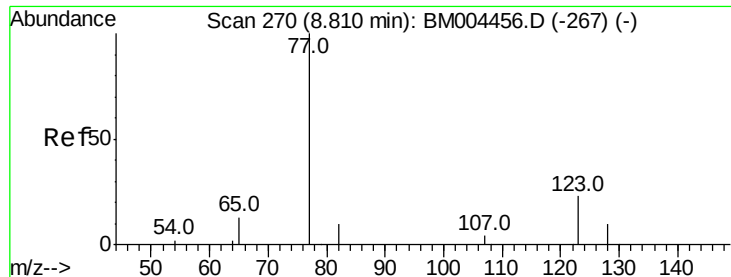


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM





#9

Nitrobenzene

Concen: 0.74 ng

RT: 8.81 min Scan# 270

Delta R.T. -0.00 min

Lab File: BM004473.D

Acq: 29 Feb 2016 09:38

Instrument :

BNA_M

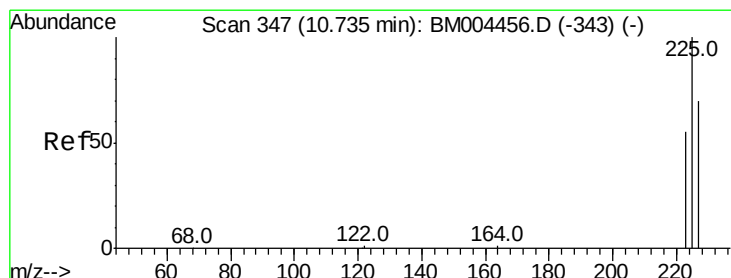
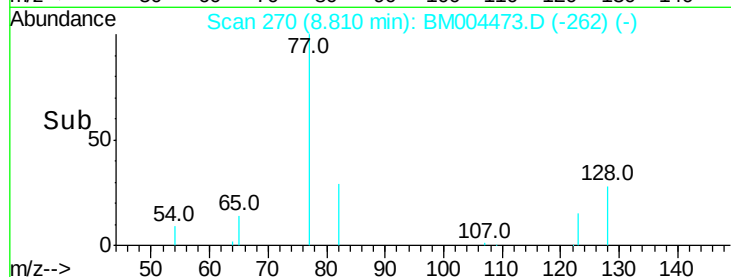
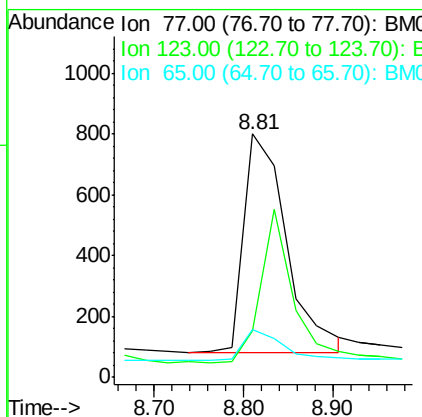
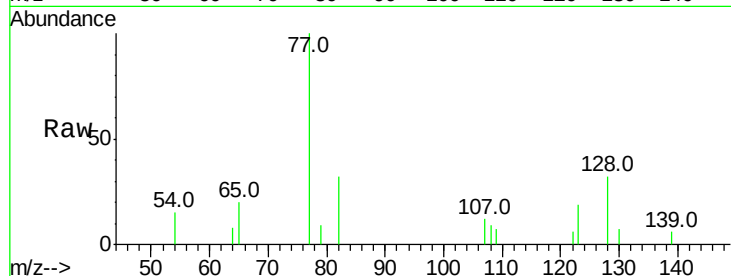
ClientSampleId :

SSTDCCC001EC

Tot Ion:	77	Resp:	2374
Ion	Ratio	Lower	Upper
77	100		
123	0.0	0.0	0.0
65	12.3	10.1	15.1

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#10

Hexachlorobutadiene

Concen: 0.81 ng

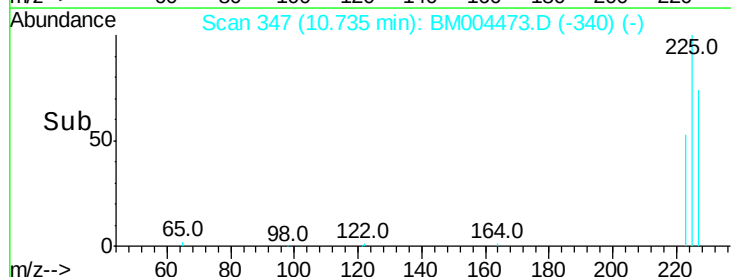
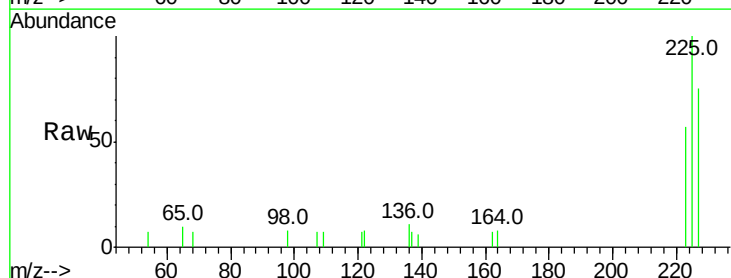
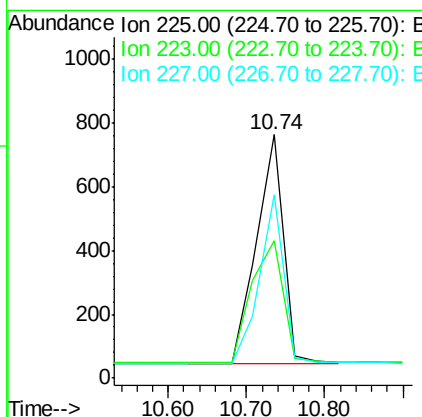
RT: 10.74 min Scan# 347

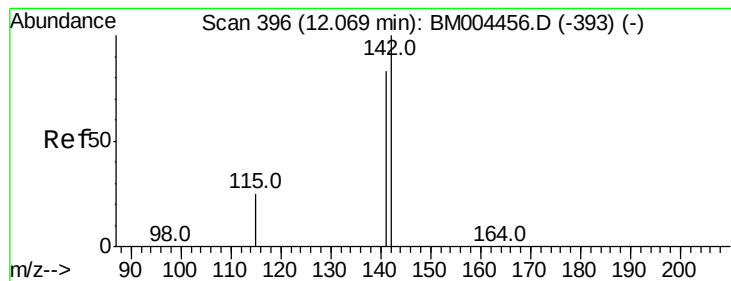
Delta R.T. -0.00 min

Lab File: BM004473.D

Acq: 29 Feb 2016 09:38

Tgt Ion:	225	Resp:	1722
Ion	Ratio	Lower	Upper
225	100		
223	62.1	48.4	72.6
227	66.3	52.8	79.2





#11

2-Methylnaphthalene

Concen: 0.88 ng

RT: 12.07 min Scan# 396

Delta R.T. -0.00 min

Lab File: BM004473.D

Acq: 29 Feb 2016 09:38

Instrument :

BNA_M

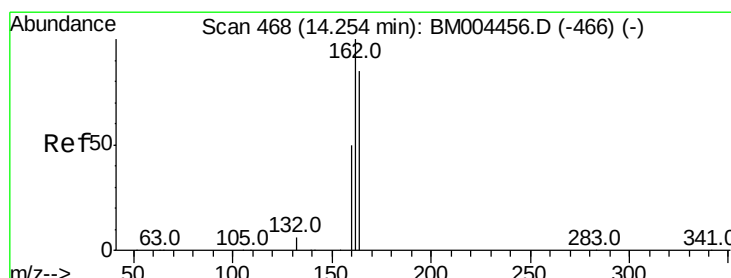
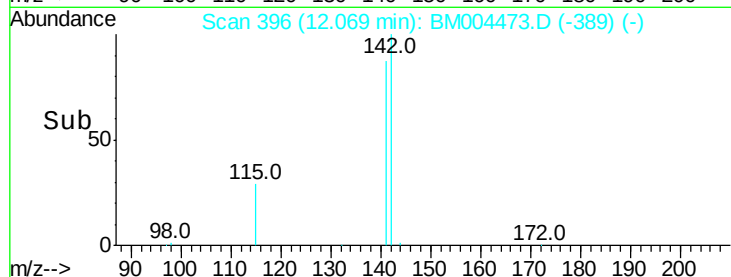
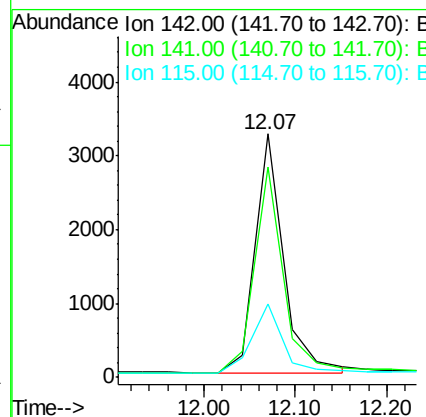
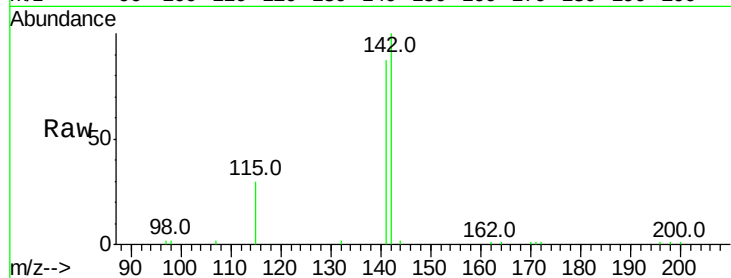
ClientSampleId :

SSTDCCC001EC

Tot Ion:	142	Resp:	6959
Ion Ratio	Lower	Upper	
142	100		
141	86.6	66.4	99.6
115	30.3	21.6	32.4

Manual Integrations
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#12

Acenaphthene-d10

Concen: 5.00 ng

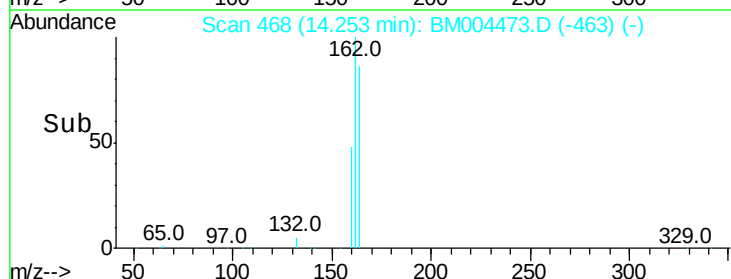
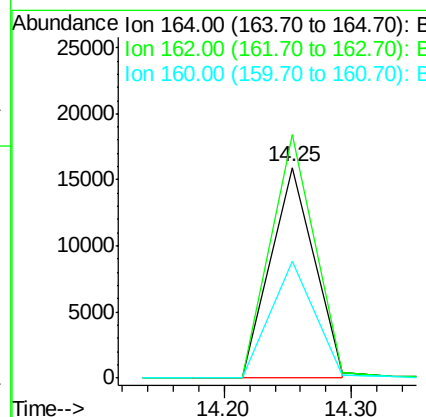
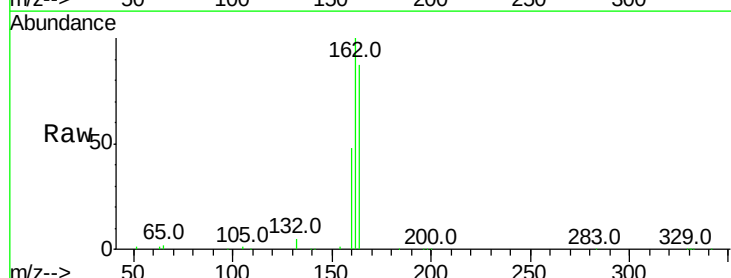
RT: 14.25 min Scan# 468

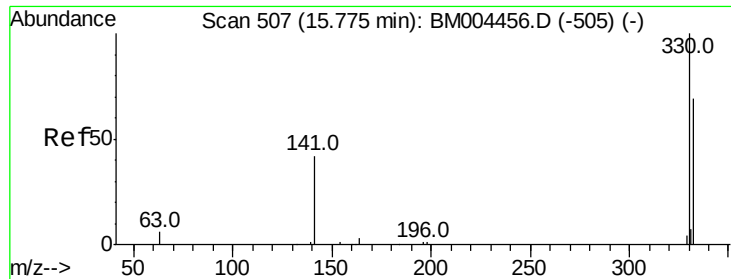
Delta R.T. -0.00 min

Lab File: BM004473.D

Acq: 29 Feb 2016 09:38

Tgt Ion:	164	Resp:	38008
Ion Ratio	Lower	Upper	
164	100		
162	115.6	94.6	141.8
160	55.4	47.0	70.4





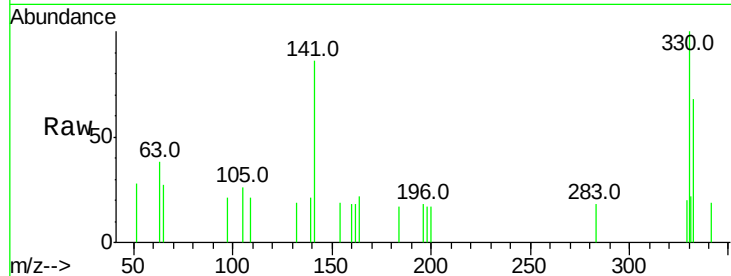
#13
 2,4,6-Tribromophenol
 Concen: 0.60 ng
 RT: 15.78 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: BM004473.D
 Acq: 29 Feb 2016 09:38

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001EC

Tot Ion	Ratio	Lower	Upper
330	100		
332	76.8	59.2	88.8
141	64.9	33.0	49.4

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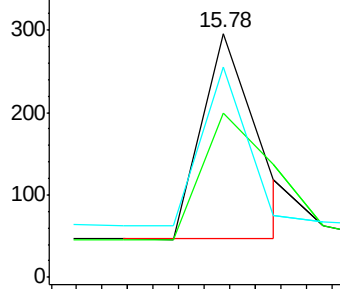


Abundance

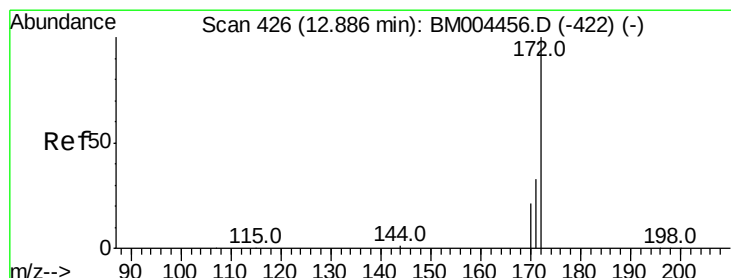
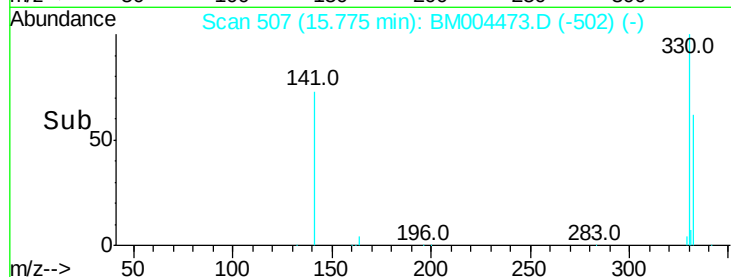
Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



Time-->



#14
 2-Fluorobiphenyl
 Concen: 0.75 ng
 RT: 12.89 min Scan# 426
 Delta R.T. -0.00 min
 Lab File: BM004473.D
 Acq: 29 Feb 2016 09:38

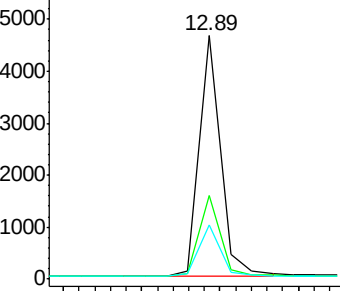
Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.3	27.2	40.8
170	22.0	17.4	26.0

Abundance

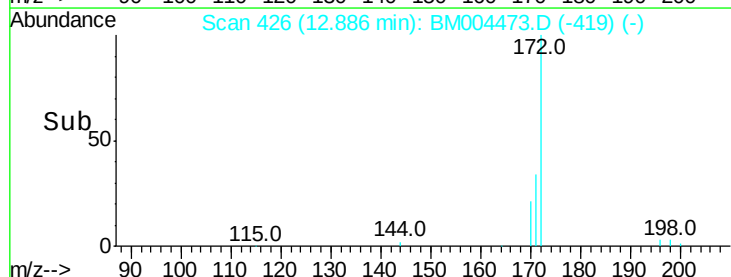
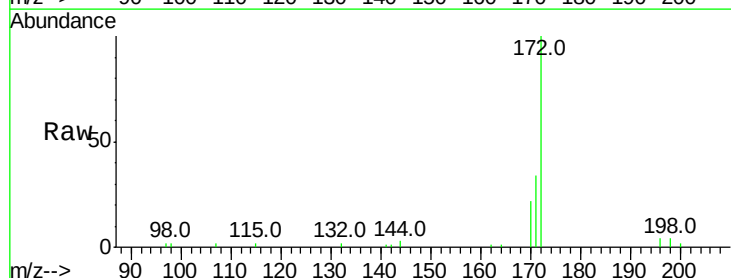
Ion 172.00 (171.70 to 172.70): E

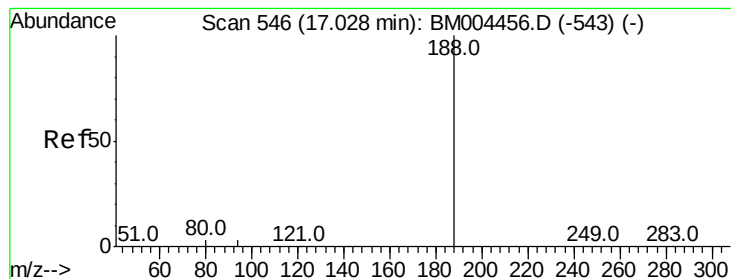
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



Time-->





#15

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.03 min Scan# 546

Delta R.T. -0.00 min

Lab File: BM004473.D

Acq: 29 Feb 2016 09:38

Instrument :

BNA_M

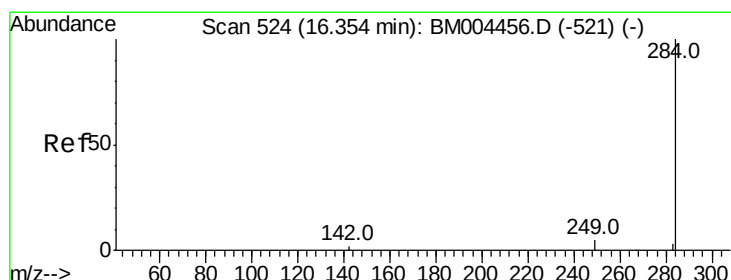
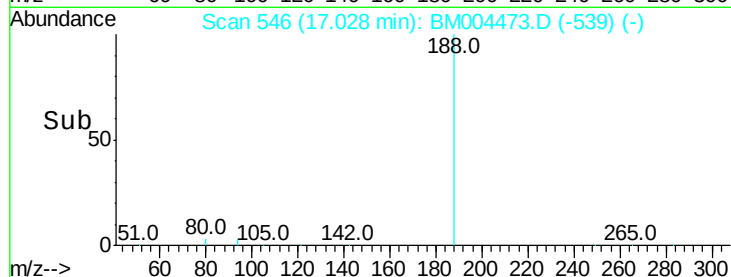
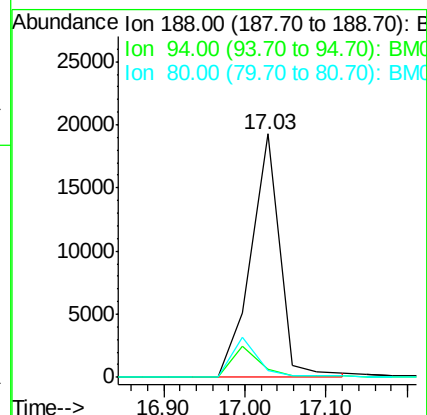
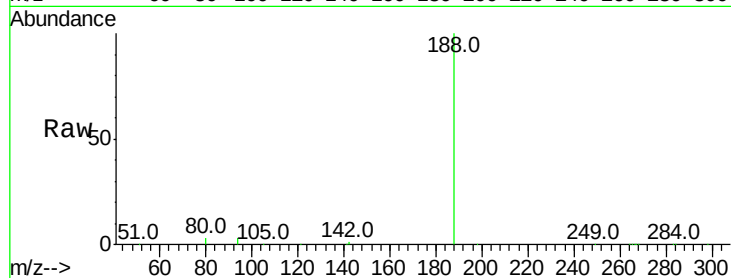
ClientSampleId :

SSTDCCC001EC

Tot Ion:	188	Resp:	47559
Ion Ratio	Lower	Upper	
188	100		
94	3.4	2.7	4.1
80	2.9	2.2	3.4

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#16

Hexachlorobenzene

Concen: 0.93 ng

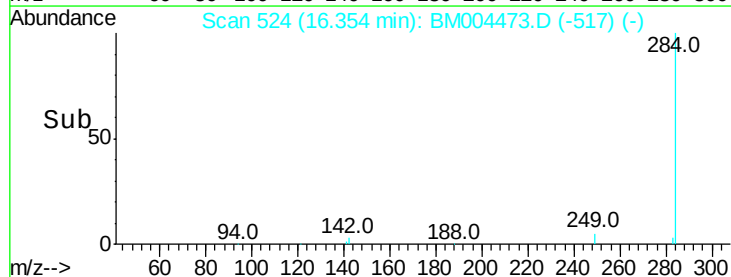
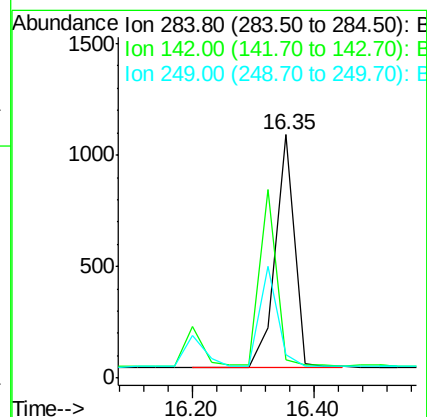
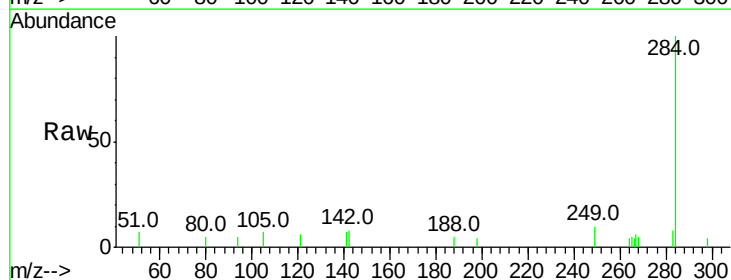
RT: 16.35 min Scan# 524

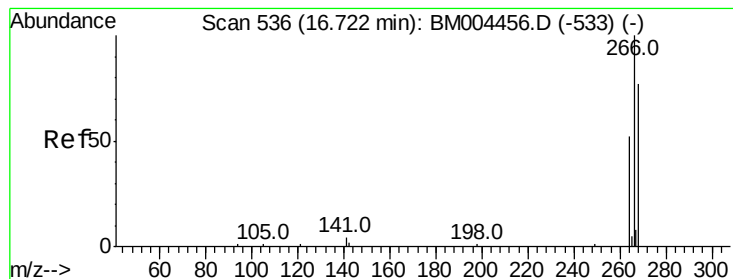
Delta R.T. 0.00 min

Lab File: BM004473.D

Acq: 29 Feb 2016 09:38

Tgt Ion:	284	Resp:	2297
Ion Ratio	Lower	Upper	
284	100		
142	0.0	0.0	0.0
249	0.0	0.0	0.0





#17

Pentachlorophenol

Concen: 0.77 ng

RT: 16.72 min Scan# 536

Delta R.T. 0.00 min

Lab File: BM004473.D

Acq: 29 Feb 2016 09:38

Instrument :

BNA_M

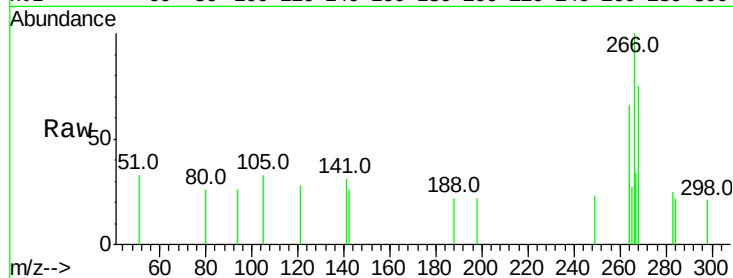
ClientSampleId :

SSTDCCC001EC

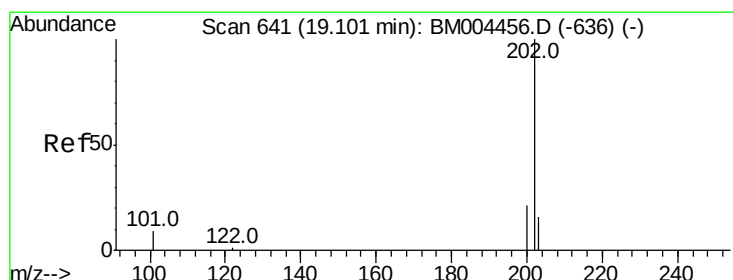
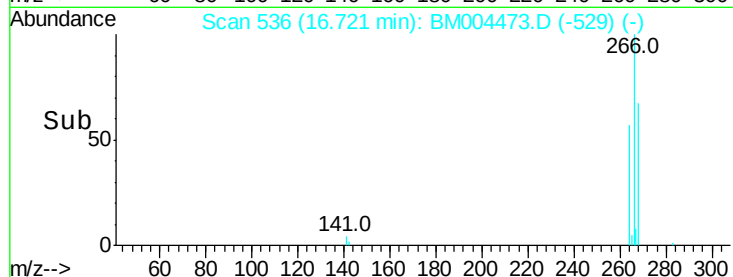
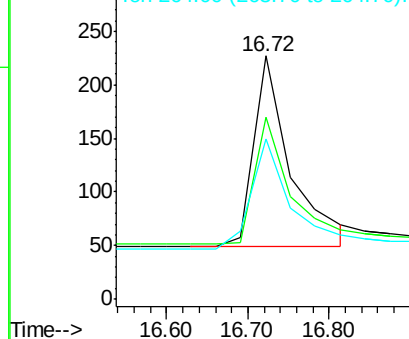
Tot Ion:	266	Resp:	566
Ion Ratio	Lower	Upper	
266	100		
268	74.9	66.8	100.2
264	65.6	49.4	74.0

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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



#18

Fluoranthene

Concen: 0.89 ng

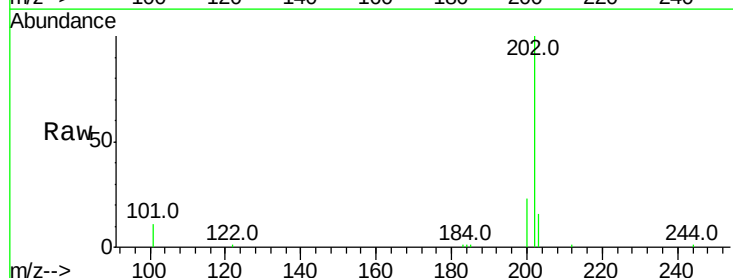
RT: 19.10 min Scan# 641

Delta R.T. -0.00 min

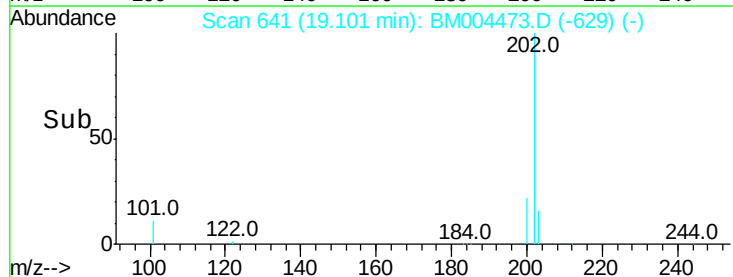
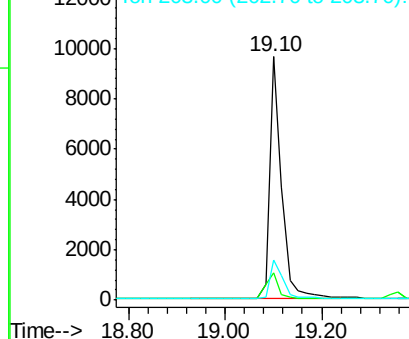
Lab File: BM004473.D

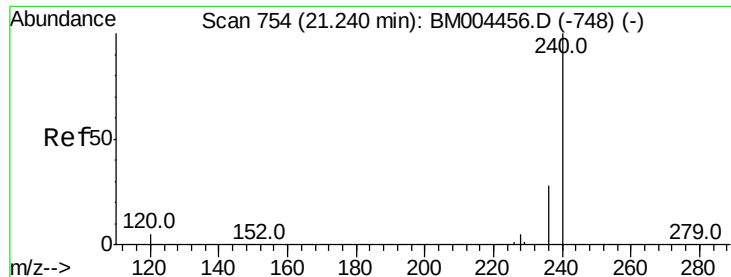
Acq: 29 Feb 2016 09:38

Tgt Ion:	202	Resp:	16781
Ion Ratio	Lower	Upper	
202	100		
101	11.8	9.4	14.0
203	17.3	13.9	20.9



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





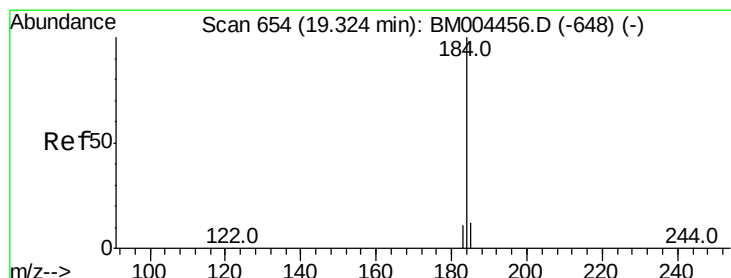
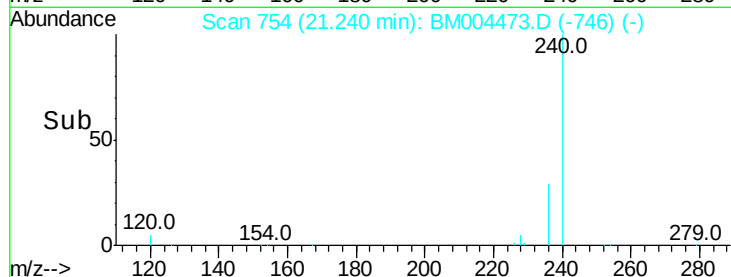
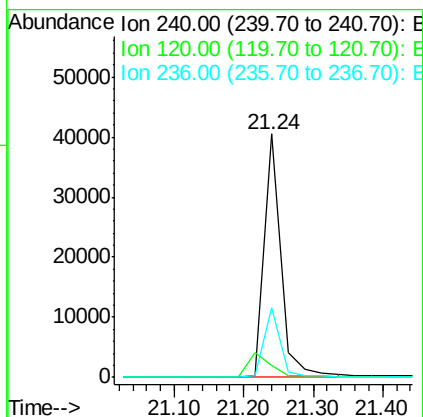
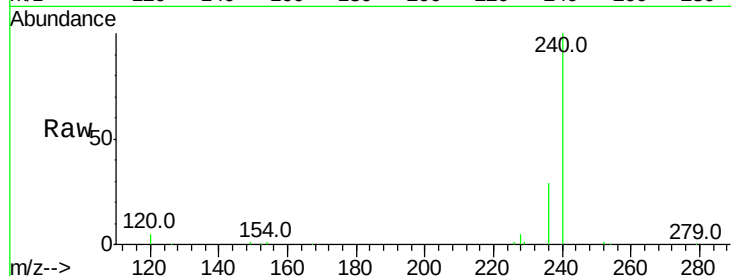
#19
Chrysene-d12
Concen: 5.00 ng
RT: 21.24 min Scan# 754
Delta R.T. -0.00 min
Lab File: BM004473.D
Acq: 29 Feb 2016 09:38

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

Tot Ion	Ratio	Lower	Upper
240	100		
120	5.0	4.0	6.0
236	28.8	22.7	34.1

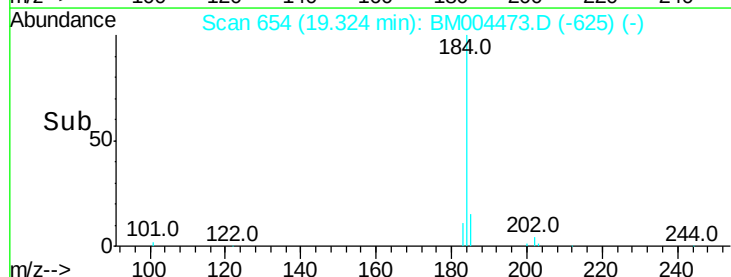
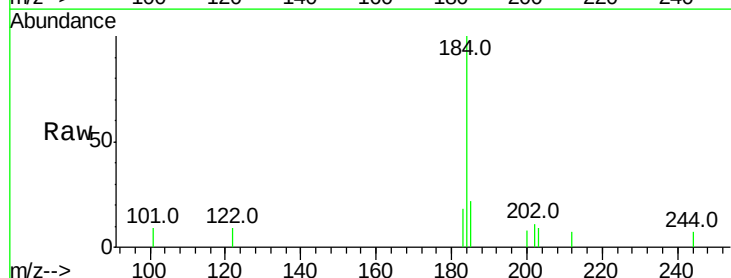
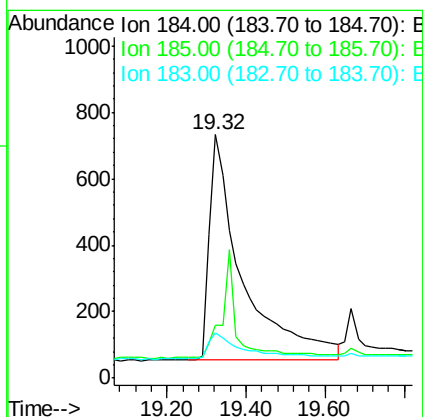
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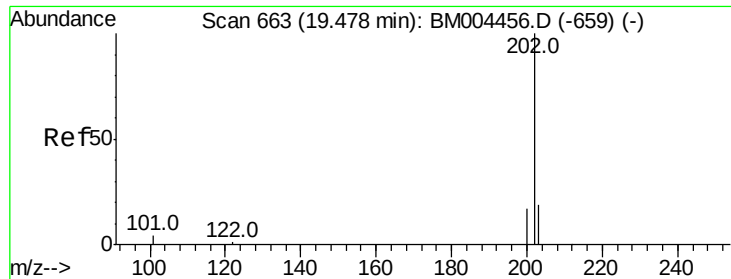
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#20
Benzidine
Concen: 1.02 ng
RT: 19.32 min Scan# 654
Delta R.T. 0.00 min
Lab File: BM004473.D
Acq: 29 Feb 2016 09:38

Tgt Ion	Ratio	Lower	Upper
184	100		
185	21.6	20.8	31.2
183	18.4	18.5	27.7#





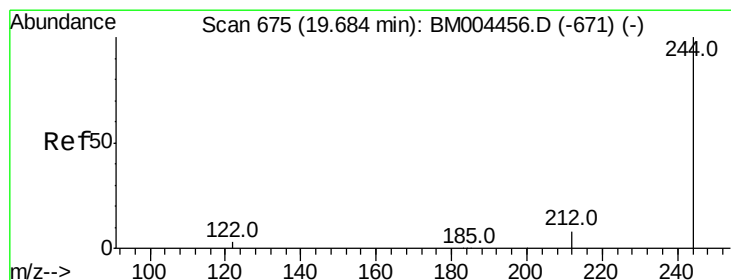
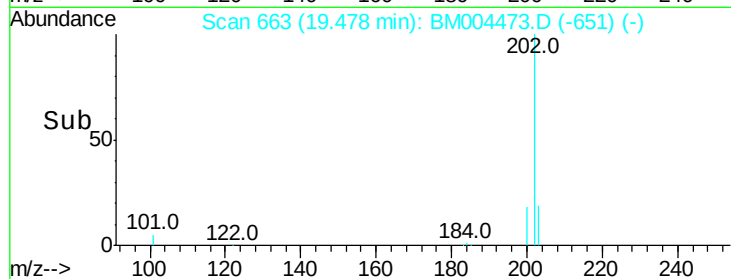
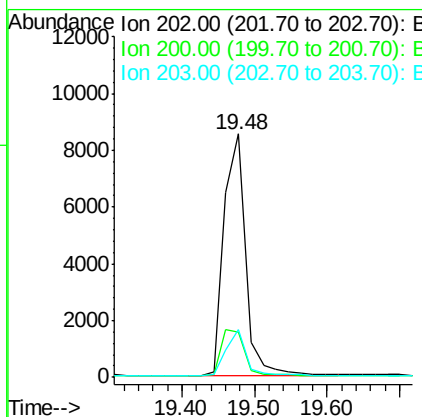
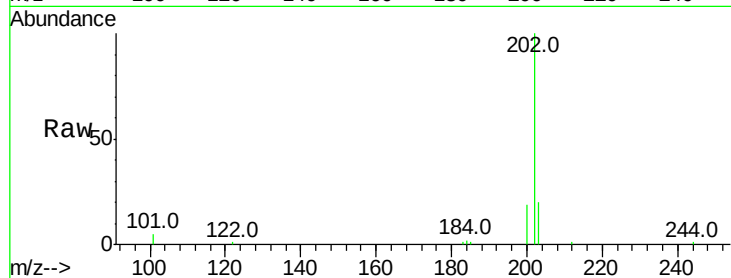
#21
Pvrene
Concen: 0.88 ng
RT: 19.48 min Scan# 663
Delta R.T. -0.00 min
Lab File: BM004473.D
Acq: 29 Feb 2016 09:38

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

Tot Ion:	202	Resp:	17559
Ion Ratio	Lower	Upper	
202	100		
200	21.0	16.6	24.8
203	17.4	13.9	20.9

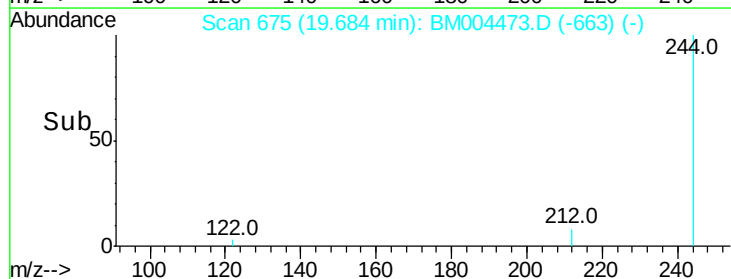
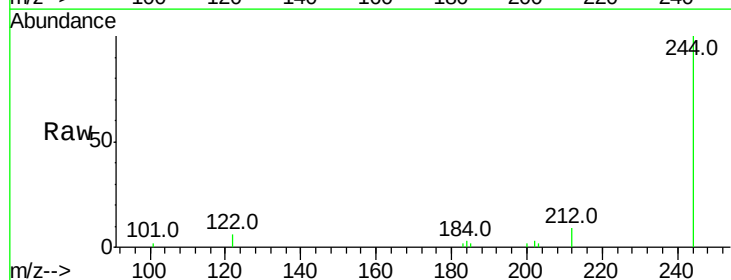
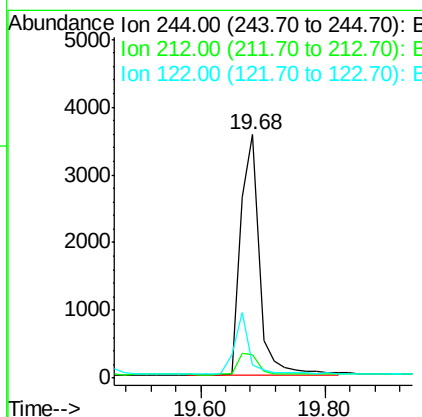
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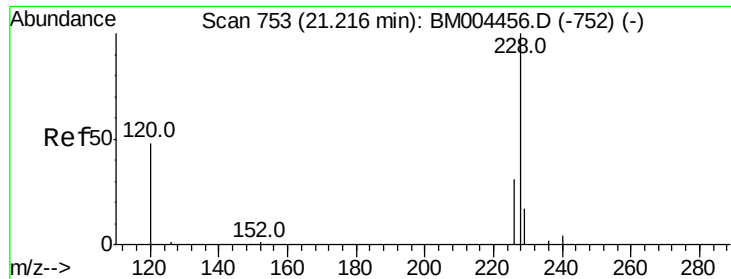
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#22
Terphenyl-d14
Concen: 0.87 ng
RT: 19.68 min Scan# 675
Delta R.T. -0.00 min
Lab File: BM004473.D
Acq: 29 Feb 2016 09:38

Tgt Ion:	244	Resp:	7454
Ion Ratio	Lower	Upper	
244	100		
212	9.4	7.4	11.2
122	5.6	4.2	6.2





#23

Benzo(a)anthracene

Concen: 0.79 ng/mL

RT: 21.22 min Scan# 753

Delta R.T. -0.00 min

Lab File: BM004473.D

Acq: 29 Feb 2016 09:38

Instrument :

BNA_M

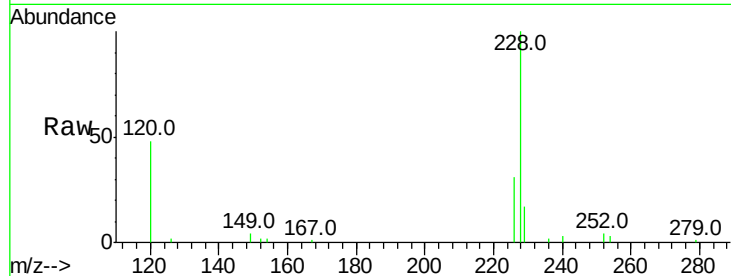
ClientSampleId :

SSTDCCC001EC

Tot Ion:	228	Resp:	15169
Ion Ratio	Lower	Upper	
228	100		
226	31.5	25.1	37.7
229	17.3	14.2	21.4

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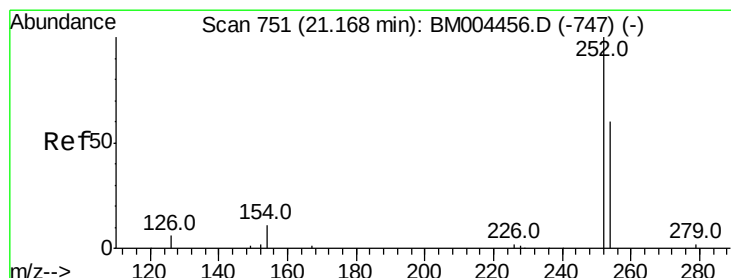
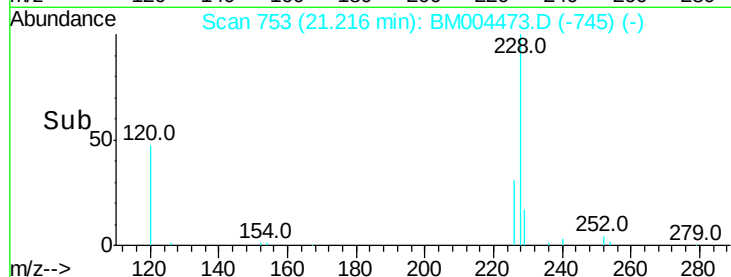
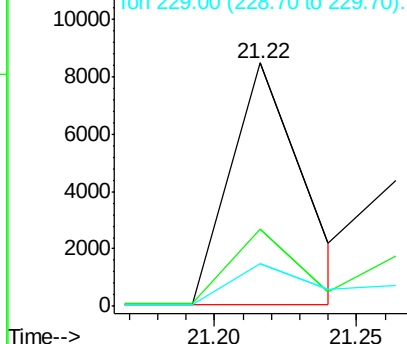
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#24

3,3'-Dichlorobenzidine

Concen: 0.90 ng/mL

RT: 21.17 min Scan# 751

Delta R.T. -0.00 min

Lab File: BM004473.D

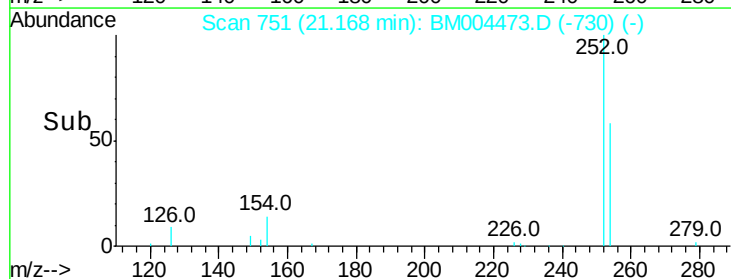
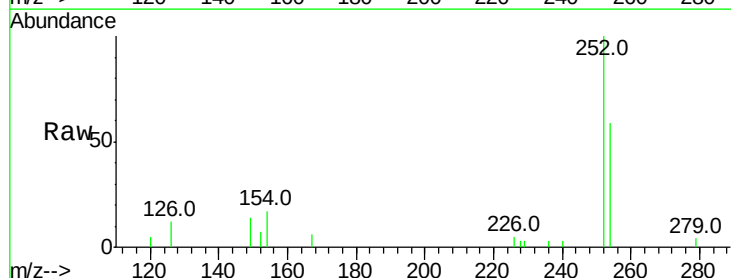
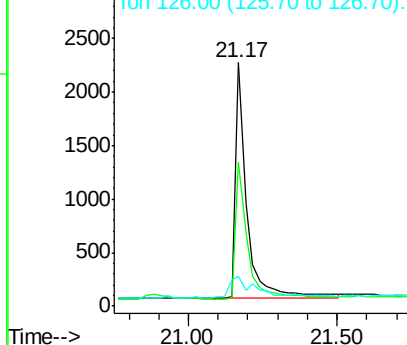
Acq: 29 Feb 2016 09:38

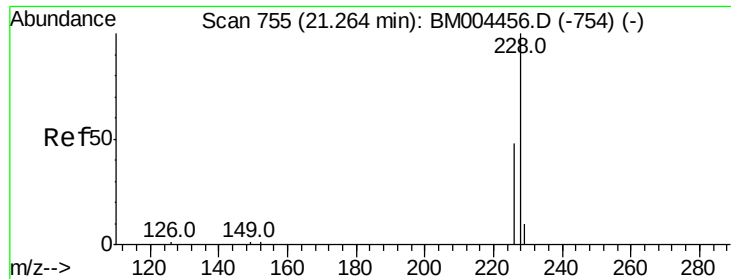
Tgt Ion:	252	Resp:	5934
Ion Ratio	Lower	Upper	
252	100		
254	59.1	48.7	73.1
126	12.4	8.2	12.2#

Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#25

Chrysene

Concen: 0.59 ng m

RT: 21.29 min Scan# 756

Delta R.T. 0.02 min

Lab File: BM004473.D

Acq: 29 Feb 2016 09:38

Instrument :

BNA_M

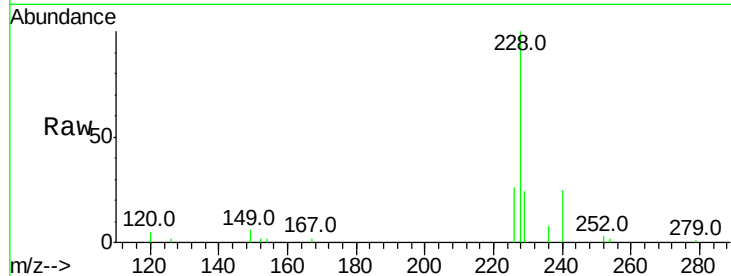
ClientSampleId :

SSTDCCC001EC

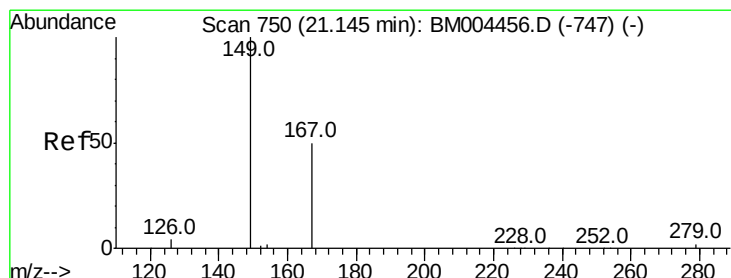
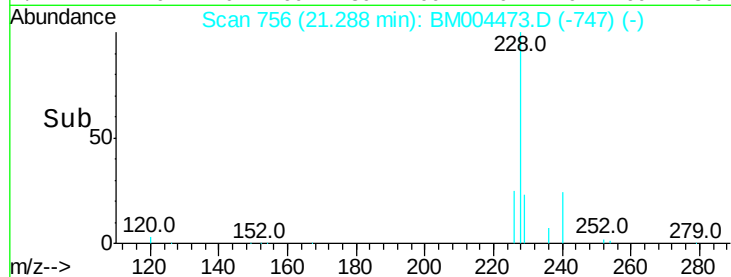
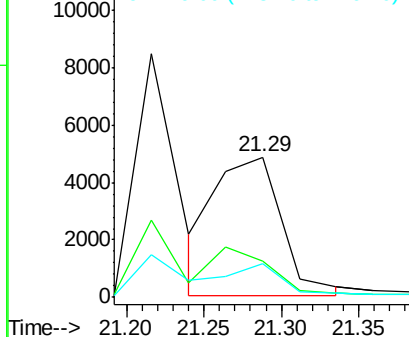
Tot Ion:	228	Resp:	14536
Ion Ratio	Lower	Upper	
228	100		
226	25.6	31.0	46.6#
229	24.1	13.4	20.2#

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



#26

Bis(2-ethylhexyl)phthalate

Concen: 0.72 ng

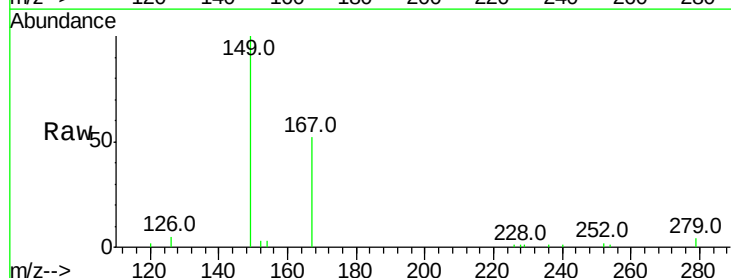
RT: 21.14 min Scan# 750

Delta R.T. 0.00 min

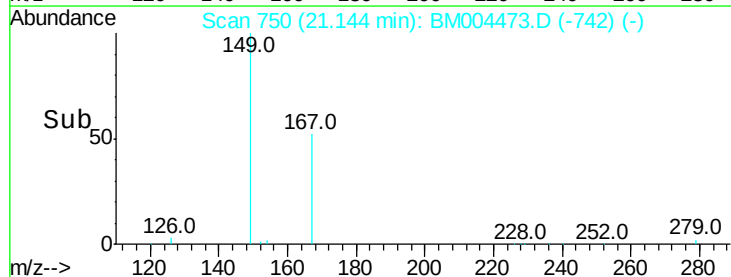
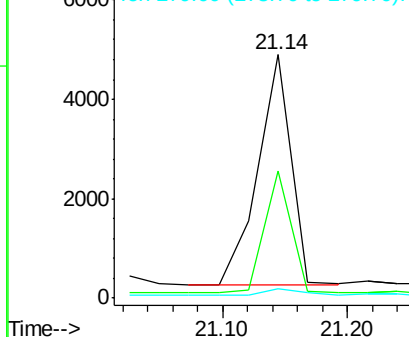
Lab File: BM004473.D

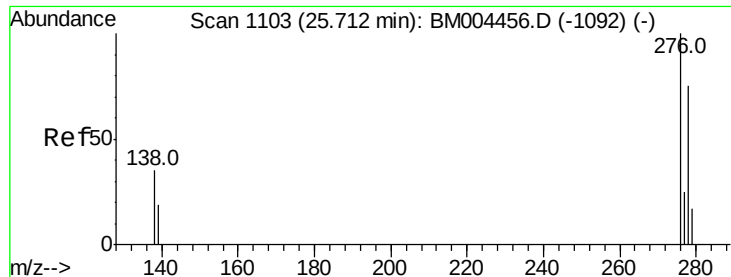
Acq: 29 Feb 2016 09:38

Tgt Ion:	149	Resp:	8560
Ion Ratio	Lower	Upper	
149	100		
167	43.0	33.1	49.7
279	2.8	2.0	3.0



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E





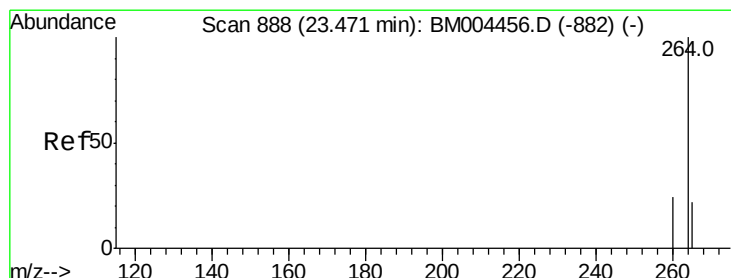
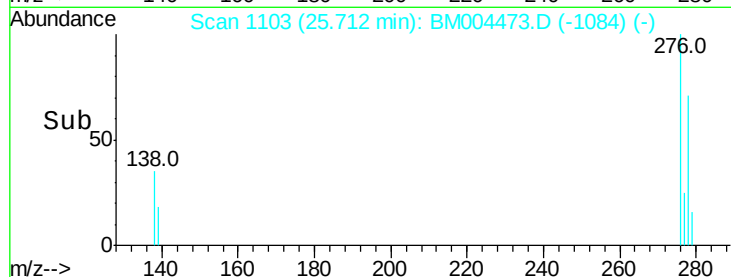
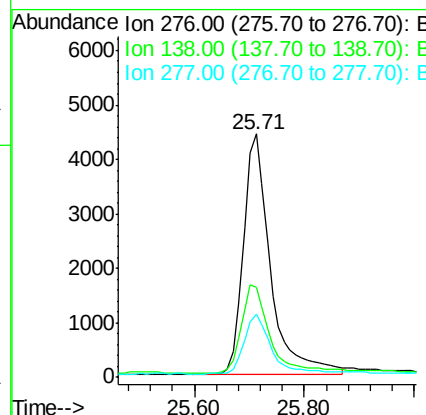
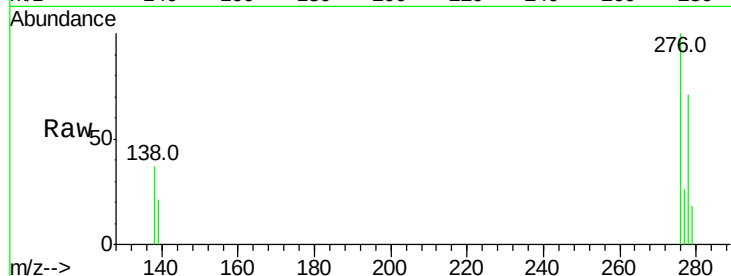
#27
 Indeno(1,2,3-cd)pyrene
 Concen: 0.86 ng
 RT: 25.71 min Scan# 1103
 Delta R.T. -0.00 min
 Lab File: BM004473.D
 Acq: 29 Feb 2016 09:38

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001EC

Tot Ion	Ratio	Lower	Upper
276	100		
138	38.2	30.0	45.0
277	25.0	19.8	29.8

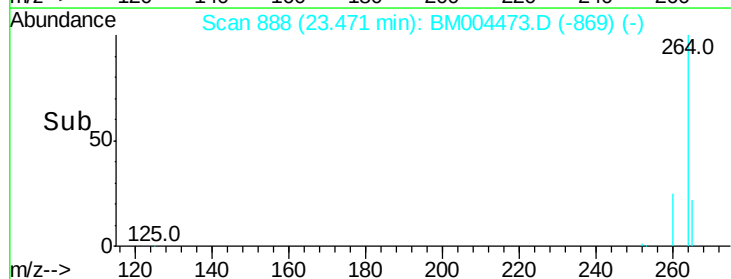
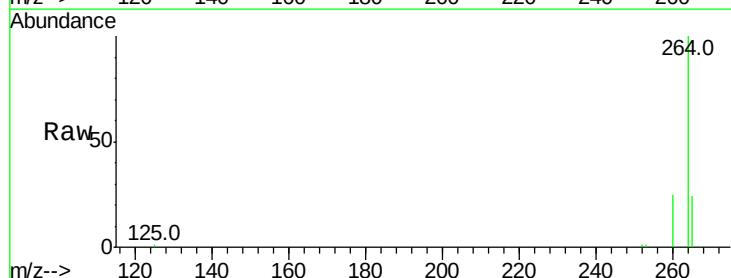
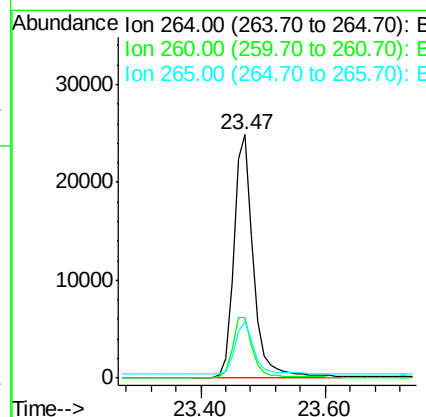
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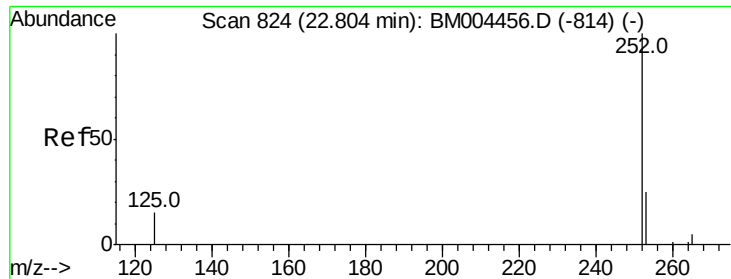
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#28
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.47 min Scan# 888
 Delta R.T. -0.00 min
 Lab File: BM004473.D
 Acq: 29 Feb 2016 09:38

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.4	29.2
265	23.5	18.9	28.3





#29

Benzo(b)fluoranthene

Concen: 0.87 ng

RT: 22.80 min Scan# 824

Delta R.T. -0.00 min

Lab File: BM004473.D

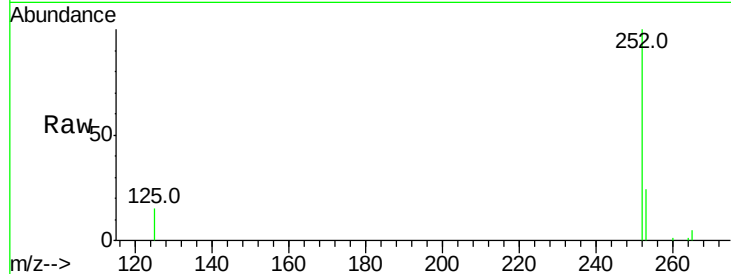
Acq: 29 Feb 2016 09:38

Instrument :

BNA_M

ClientSampleId :

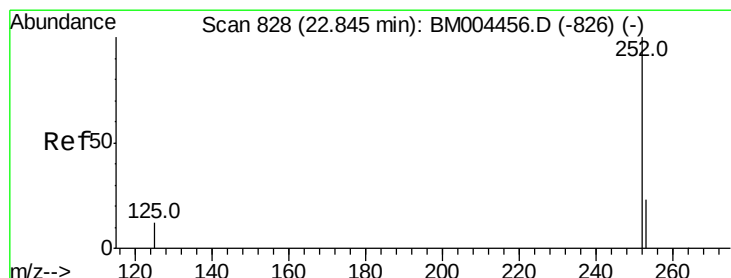
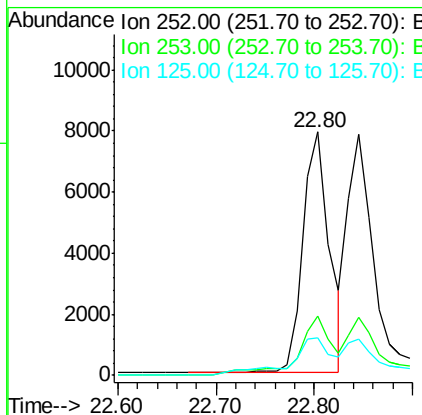
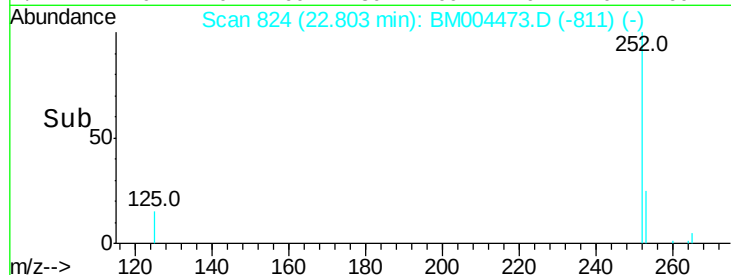
SSTDCCC001EC



Tot Ion:252	Resp:	17790
Ion Ratio	Lower	Upper
252	100	
253	24.5	19.8 29.6
125	15.3	12.2 18.2

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#30

Benzo(k)fluoranthene

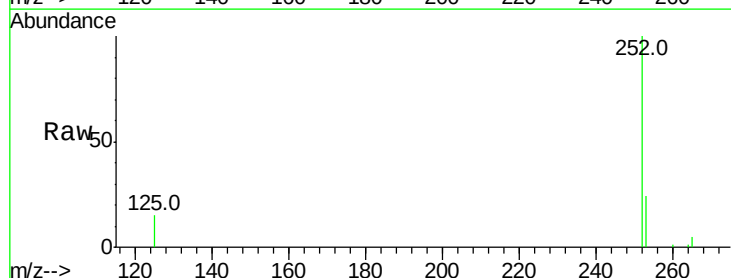
Concen: 0.82 ng

RT: 22.85 min Scan# 828

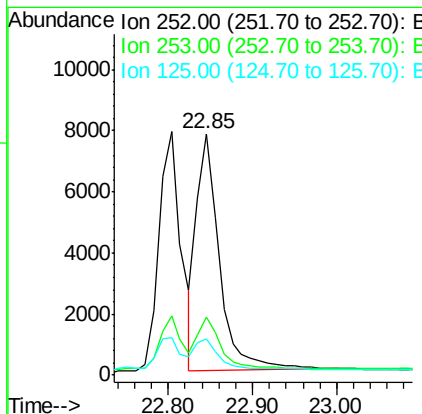
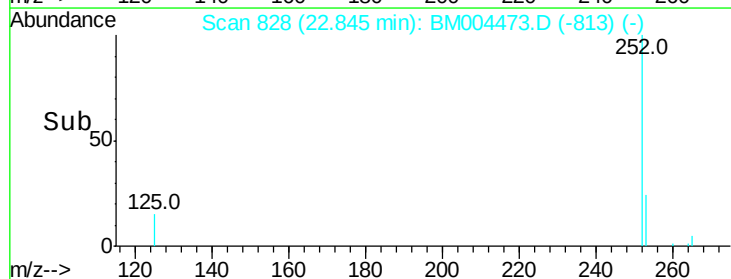
Delta R.T. -0.00 min

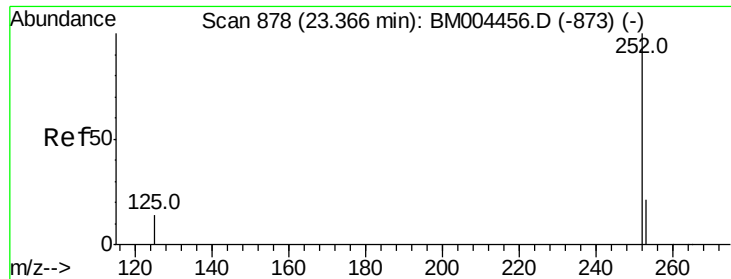
Lab File: BM004473.D

Acq: 29 Feb 2016 09:38



Tgt Ion:252	Resp:	14506
Ion Ratio	Lower	Upper
252	100	
253	23.8	19.3 28.9
125	15.3	12.4 18.6





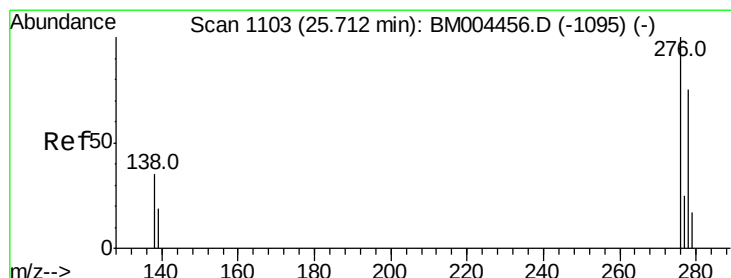
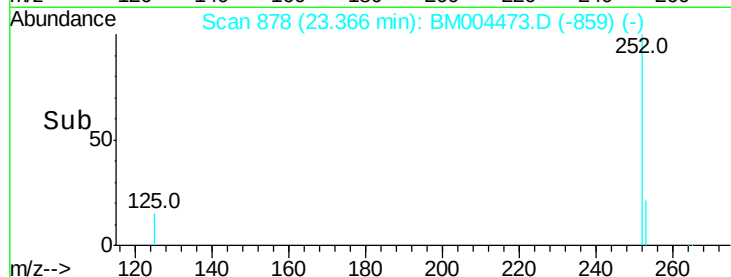
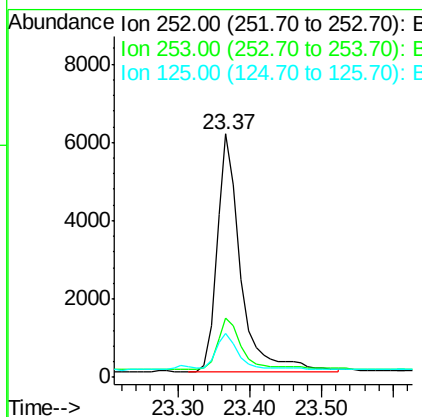
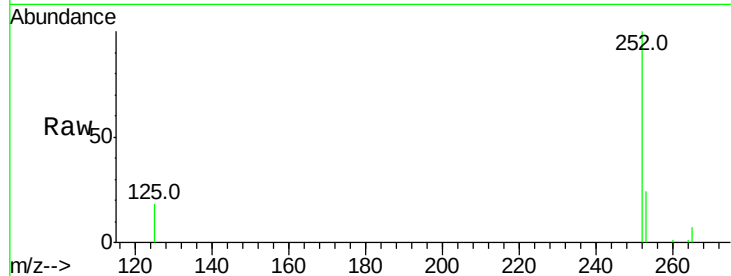
#31
Benzo(a)pyrene
Concen: 0.88 ng
RT: 23.37 min Scan# 878
Delta R.T. -0.00 min
Lab File: BM004473.D
Acq: 29 Feb 2016 09:38

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001EC

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	19.3	28.9
125	17.9	14.4	21.6

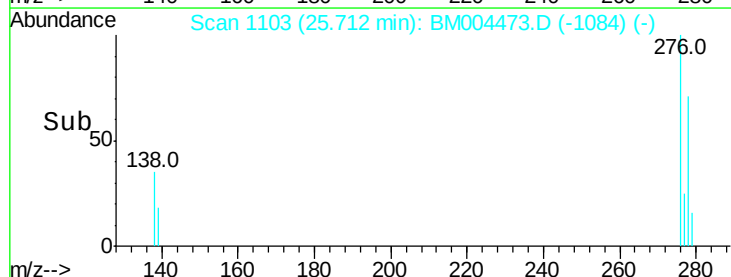
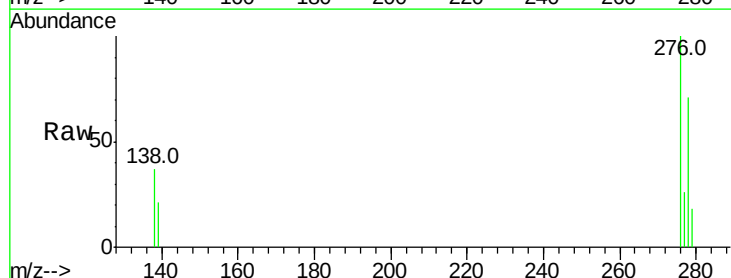
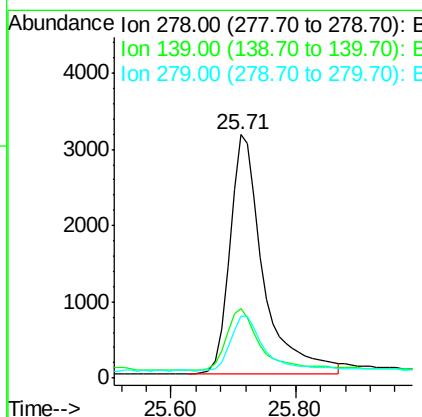
Manual Integrations
APPROVED

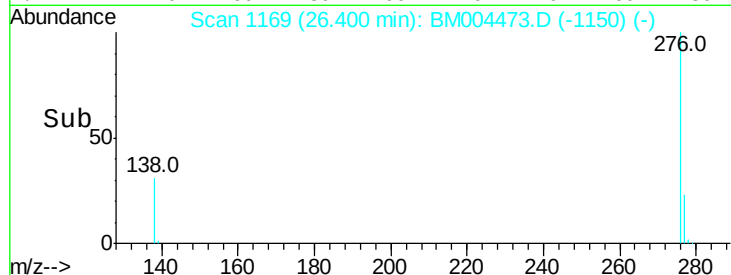
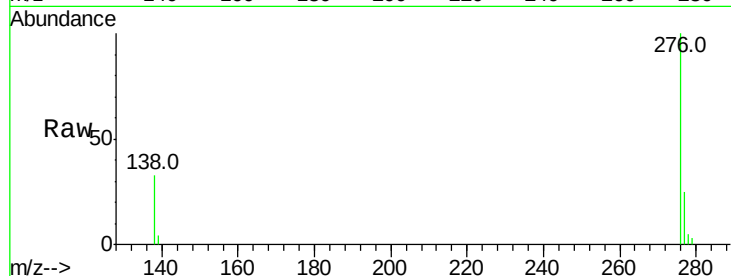
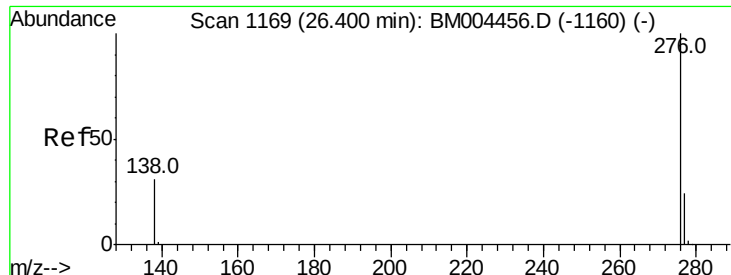
UMANGI
2/29/2016 2:49:23 PM



#32
Dibenzo(a,h)anthracene
Concen: 0.83 ng
RT: 25.71 min Scan# 1103
Delta R.T. -0.00 min
Lab File: BM004473.D
Acq: 29 Feb 2016 09:38

Tgt Ion	Ratio	Lower	Upper
278	100		
139	28.8	22.3	33.5
279	25.4	20.7	31.1





#33
 Benzo(a,h,i)perylene
 Concen: 0.84 ng
 RT: 26.40 min Scan# 1169
 Delta R.T. -0.00 min
 Lab File: BM004473.D
 Acq: 29 Feb 2016 09:38

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001EC

Tot Ion:	276	Resp:	13141
Ion Ratio	Lower	Upper	
276	100		
277	24.8	20.4	30.6
138	33.4	26.4	39.6

Manual Integrations
 APPROVED

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 2/29/2016 2:49:23 PM

