

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022816\
 Data File : BM004456.D
 Acq On : 28 Feb 2016 18:31
 Operator : SJ/UM
 Sample : SSTDICCC001
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICCC001

Manual Integrations
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UMANGI
 2/29/2016 2:48:49 PM

Quant Time: Feb 29 03:27:55 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 02:56:57 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	14923	5.00	ng	0.00
7) Naphthalene-d8	10.38	136	50579	5.00	ng	0.00
12) Acenaphthene-d10	14.25	164	31964	5.00	ng	0.00
15) Phenanthrene-d10	17.03	188	48435	5.00	ng	0.00
19) Chrysene-d12	21.24	240	63789	5.00	ng	0.00
28) Perylene-d12	23.47	264	50031	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.21	112	2877	0.92	ng	0.00
5) Phenol-d6	6.83	99	3015	0.81	ng	0.00
8) Nitrobenzene-d5	8.79	82	2442	1.07	ng	0.00
13) 2,4,6-Tribromophenol	15.78	330	1021	1.07	ng	0.00
14) 2-Fluorobiphenyl	12.89	172	8752	0.90	ng	0.00
22) Terphenyl-d14	19.68	244	7075	0.87	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.10	88	1118	0.70	ng	100
3) n-Nitrosodimethylamine	3.43	42	958	0.74	ng	# 100
6) bis(2-Chloroethyl)ether	7.04	93	2638	0.77	ng	# 100
9) Nitrobenzene	8.81	77	2754	1.06	ng	# 100
10) Hexachlorobutadiene	10.74	225	1869	1.01	ng	100
11) 2-Methylnaphthalene	12.07	142	6887	0.90	ng	100
16) Hexachlorobenzene	16.35	284	2345	1.34	ng	# 100
17) Pentachlorophenol	16.72	266	632	1.38	ng	100
18) Fluoranthene	19.10	202	16108	1.18	ng	100
20) Benzidine	19.32	184	2696	0.88	ng	100
21) Pyrene	19.48	202	16706	0.92	ng	100
23) Benzo(a)anthracene	21.22	228	14329m	0.75	ng	
24) 3,3'-Dichlorobenzidine	21.17	252	5978	1.29	ng	100
25) Chrysene	21.26	228	16165m	0.92	ng	
26) Bis(2-ethylhexyl)phthalate	21.14	149	9593	1.18	ng	100
27) Indeno(1,2,3-cd)pyrene	25.71	276	14312	0.78	ng	100
29) Benzo(b)fluoranthene	22.80	252	17106	1.08	ng	100
30) Benzo(k)fluoranthene	22.85	252	13244	0.94	ng	100
31) Benzo(a)pyrene	23.37	252	13049	0.95	ng	100
32) Dibenzo(a,h)anthracene	25.71	278	11161	0.91	ng	100
33) Benzo(g,h,i)perylene	26.40	276	12252	0.91	ng	100

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

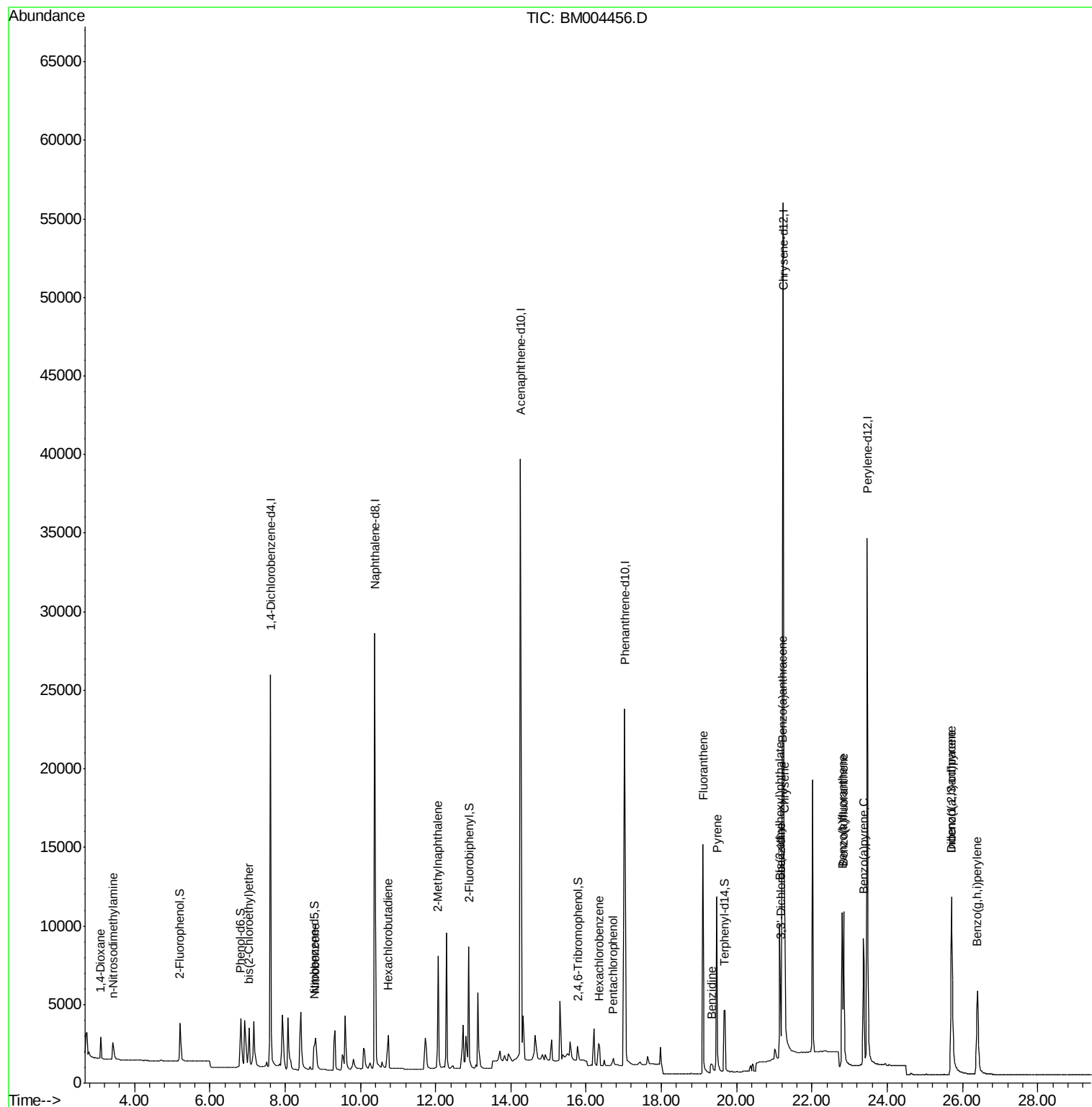
Data Path : Z:\HPCHEM1\BNA M\DATA\BM022816\
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Misc :
ALS Vial : 6 Sample Multiplier: 1

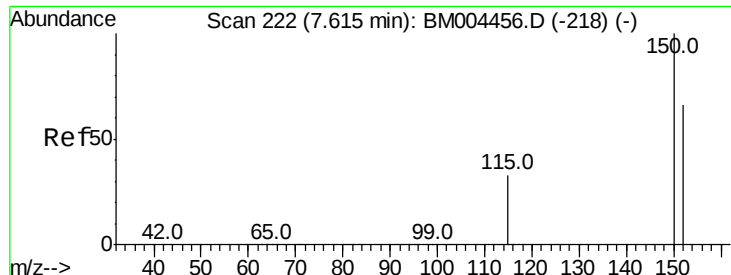
Instrument :
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Manual Integrations
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QLast Update : Mon Feb 29 02:56:57 2016
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.61 min Scan# 222

Delta R.T. 0.00 min

Lab File: BM004456.D

Acq: 28 Feb 2016 18:31

Instrument :

BNA_M

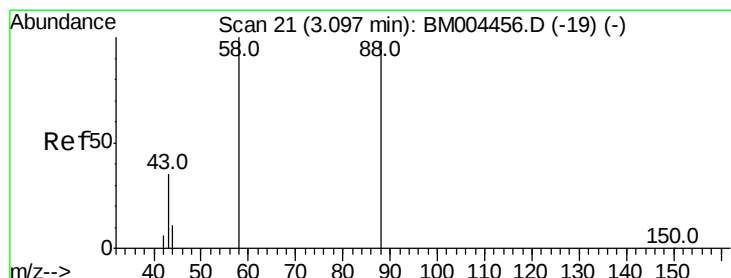
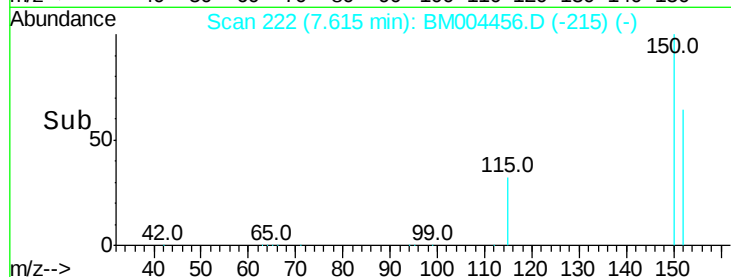
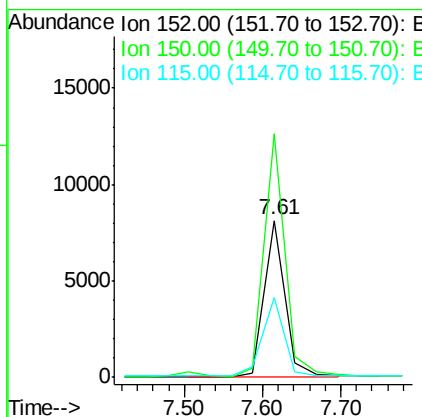
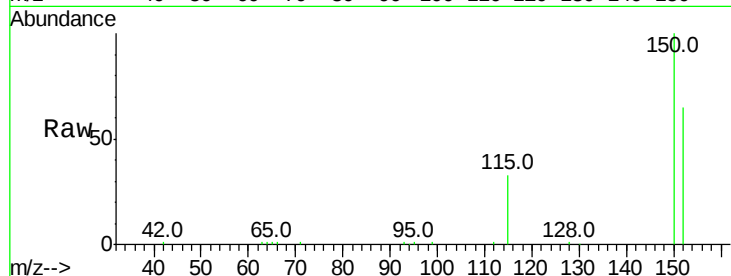
ClientSampleId :

SSTDICCC001

Tot Ion:	152	Resp:	14923
Ion Ratio	Lower	Upper	
152	100		
150	154.9	123.9	185.9
115	50.8	40.6	61.0

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#2

1,4-Dioxane

Concen: 0.70 ng

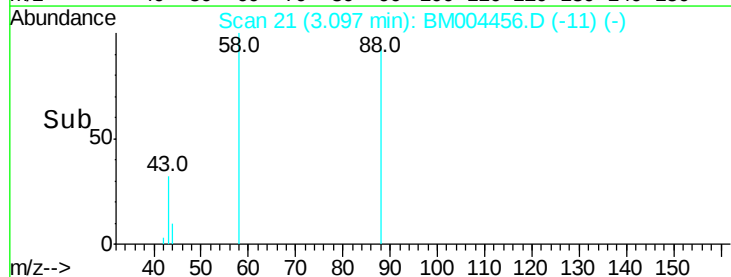
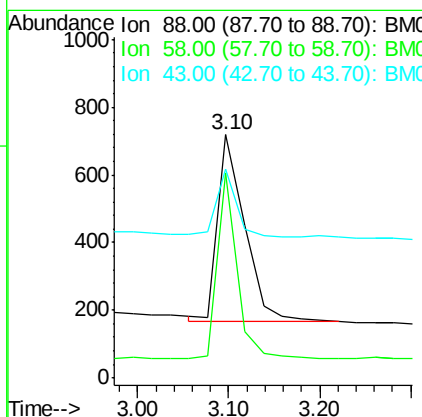
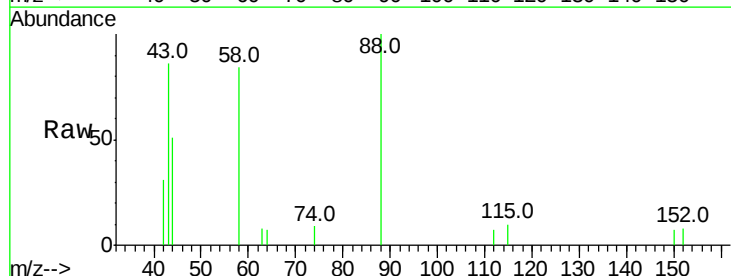
RT: 3.10 min Scan# 21

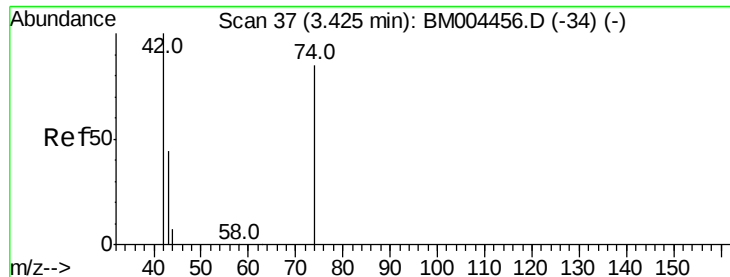
Delta R.T. 0.00 min

Lab File: BM004456.D

Acq: 28 Feb 2016 18:31

Tgt Ion:	88	Resp:	1118
Ion Ratio	Lower	Upper	
88	100		
58	73.1	58.5	87.7
43	27.7	22.2	33.2





#3

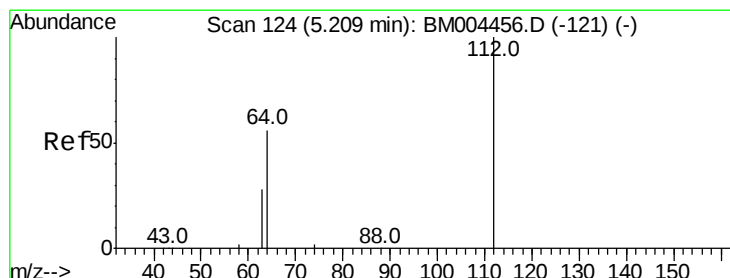
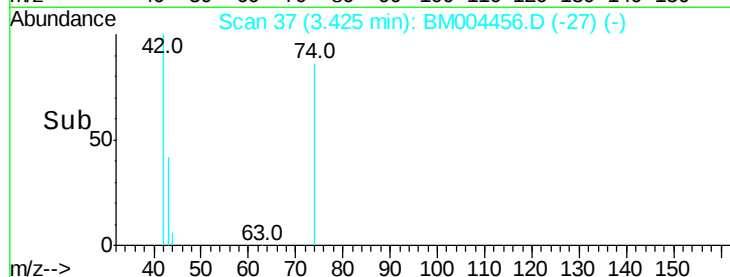
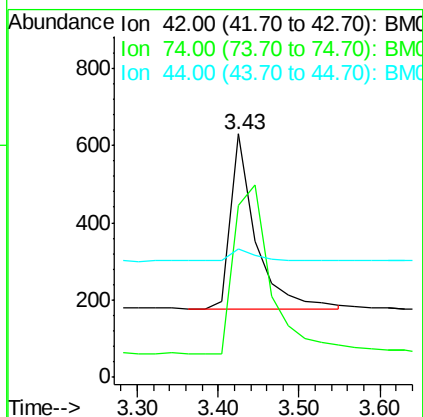
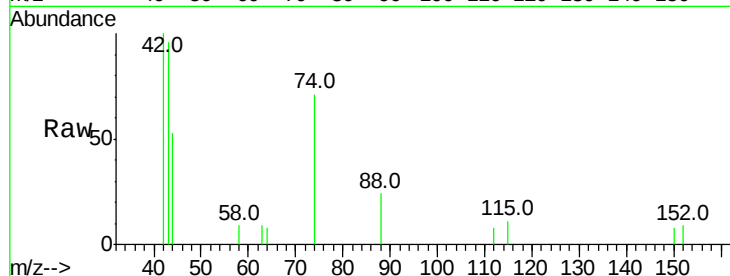
n-Nitrosodimethylamine
 Concen: 0.74 ng
 RT: 3.43 min Scan# 37
 Delta R.T. 0.00 min
 Lab File: BM004456.D
 Acq: 28 Feb 2016 18:31

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC001

Tot Ion:	42	Resp:	958
Ion	Ratio	Lower	Upper
42	100		
74	0.0	0.0	0.0
44	7.2	5.8	8.6

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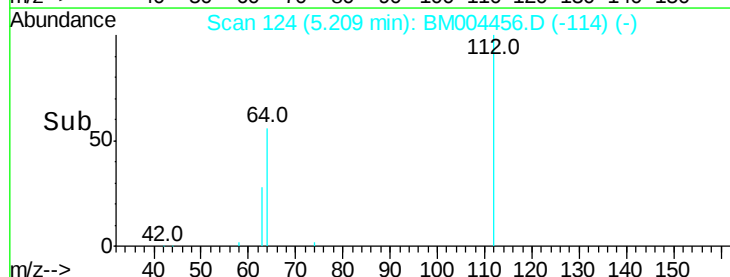
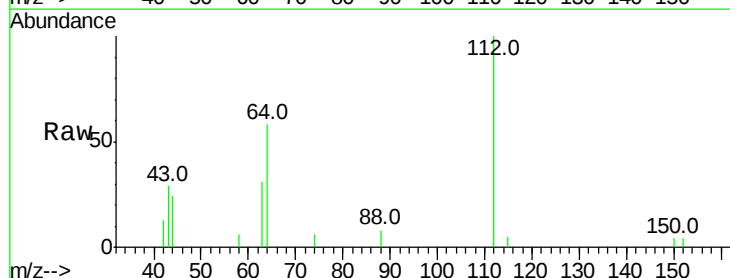
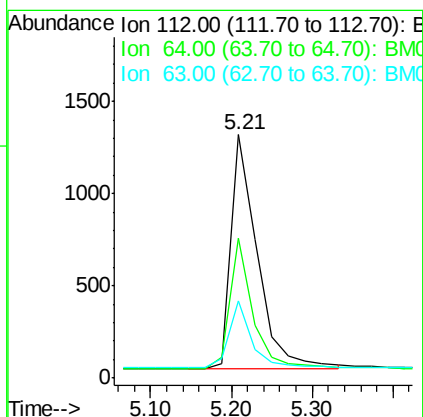
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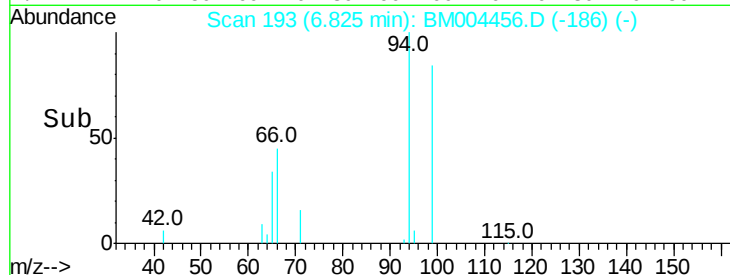
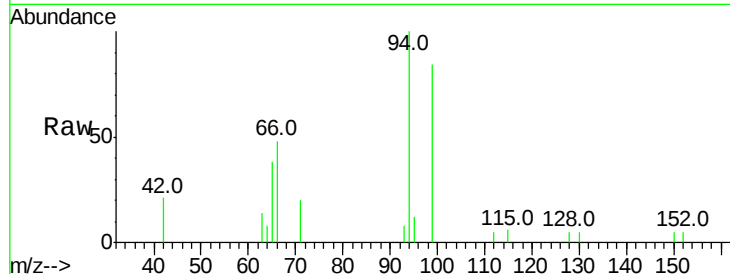
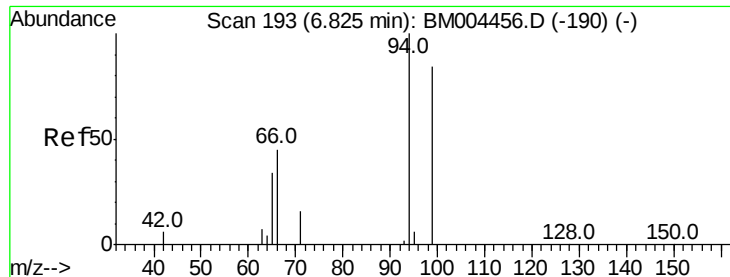


#4

2-Fluorophenol
 Concen: 0.92 ng
 RT: 5.21 min Scan# 124
 Delta R.T. 0.00 min
 Lab File: BM004456.D
 Acq: 28 Feb 2016 18:31

Tgt Ion:	112	Resp:	2877
Ion	Ratio	Lower	Upper
112	100		
64	49.3	39.4	59.2
63	24.9	19.9	29.9





#5

Phenol-d6

Concen: 0.81 ng

RT: 6.83 min Scan# 193

Delta R.T. 0.00 min

Lab File: BM004456.D

Acq: 28 Feb 2016 18:31

Instrument :

BNA_M

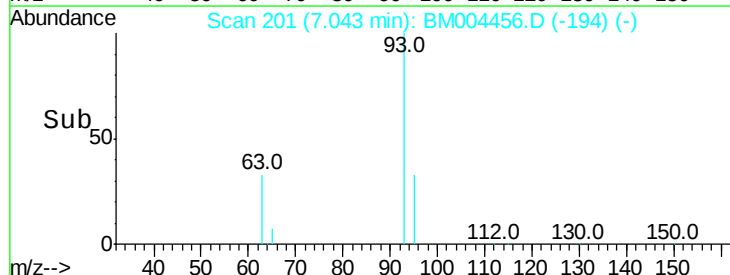
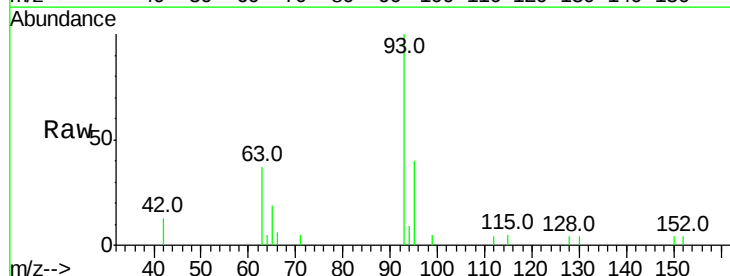
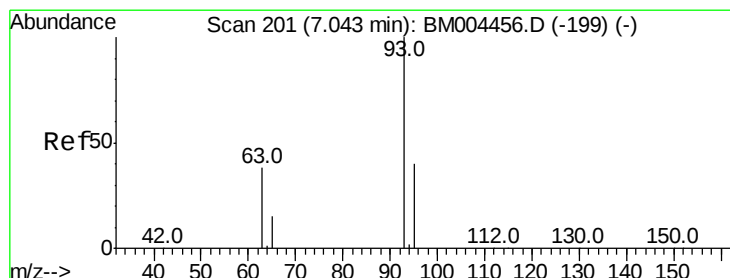
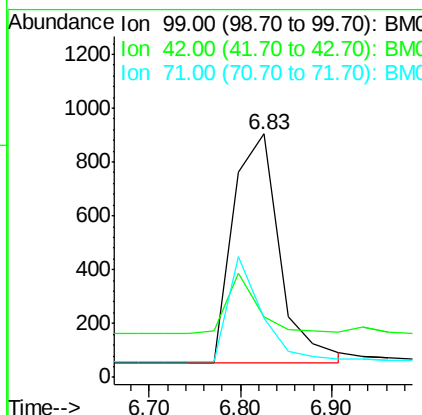
ClientSampleId :

SSTDICCC001

Tot Ion	Ratio	Resp	Lower	Upper
99	100	3015		
42	0.0	0.0	0.0	0.0
71	0.0	0.0	0.0	0.0

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#6

bis(2-Chloroethyl)ether

Concen: 0.77 ng

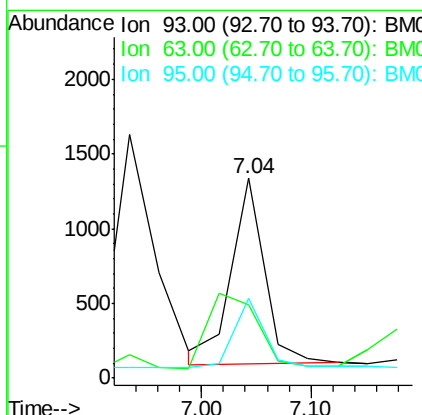
RT: 7.04 min Scan# 201

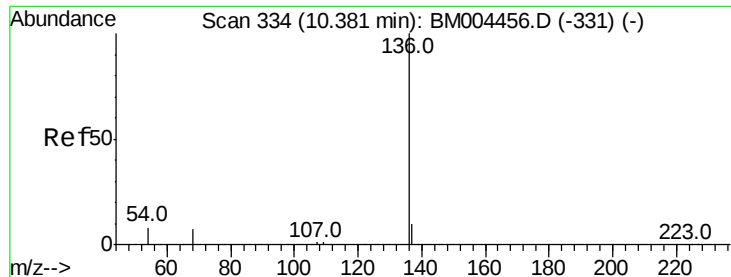
Delta R.T. 0.00 min

Lab File: BM004456.D

Acq: 28 Feb 2016 18:31

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	2638		
63	0.0	0.0	0.0	0.0
95	33.9	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: BM004456.D

Acq: 28 Feb 2016 18:31

Instrument :

BNA_M

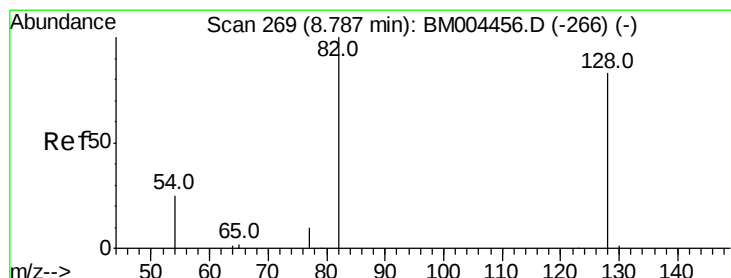
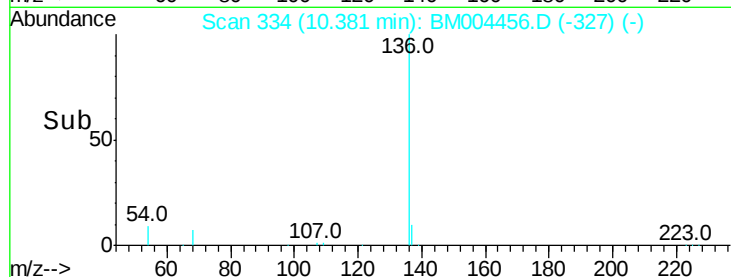
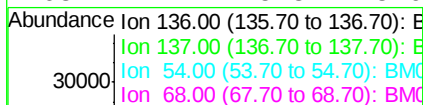
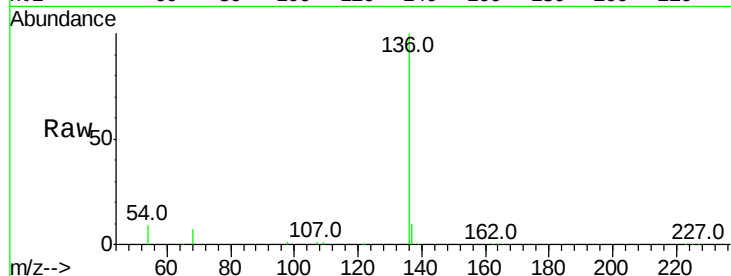
ClientSampleId :

SSTDICCC001

Tot Ion:	136	Resp:	50579
Ion Ratio	Lower	Upper	
136	100		
137	10.0	8.0	12.0
54	8.8	7.0	10.6
68	7.2	5.8	8.6

Manual Integrations
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#8

Nitrobenzene-d5

Concen: 1.07 ng

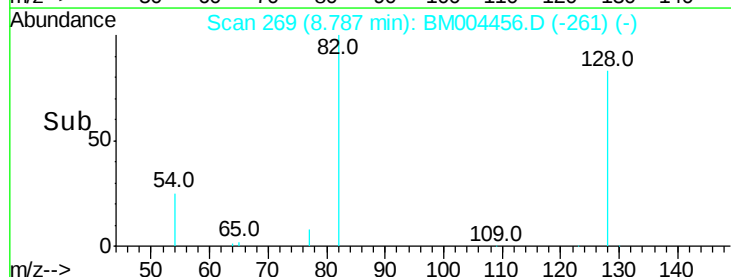
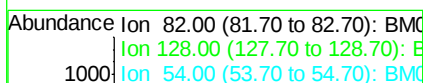
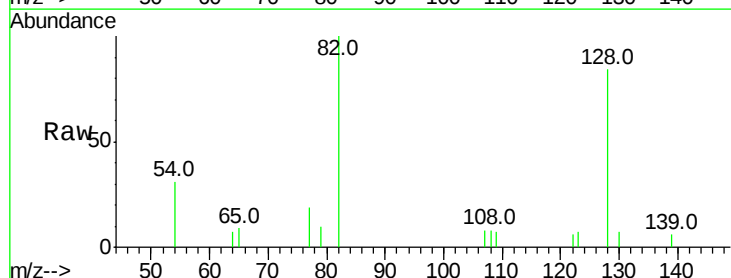
RT: 8.79 min Scan# 269

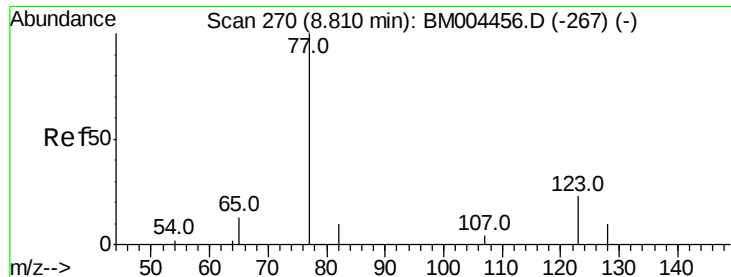
Delta R.T. 0.00 min

Lab File: BM004456.D

Acq: 28 Feb 2016 18:31

Tgt Ion:	82	Resp:	2442
Ion Ratio	Lower	Upper	
82	100		
128	83.8	67.0	100.6
54	31.5	25.2	37.8





#9

Nitrobenzene

Concen: 1.06 ng

RT: 8.81 min Scan# 270

Delta R.T. 0.00 min

Lab File: BM004456.D

Acq: 28 Feb 2016 18:31

Instrument :

BNA_M

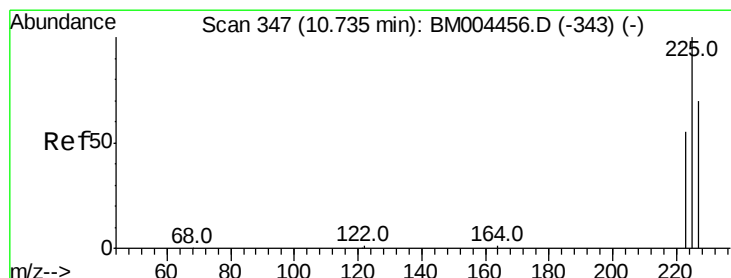
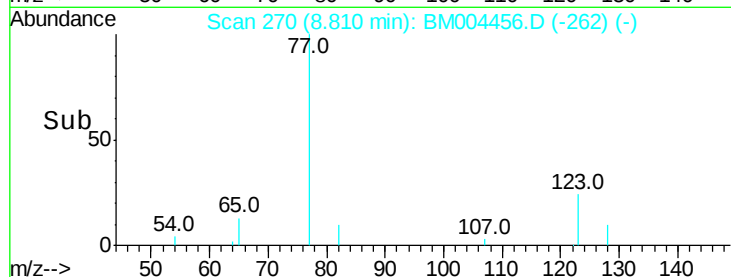
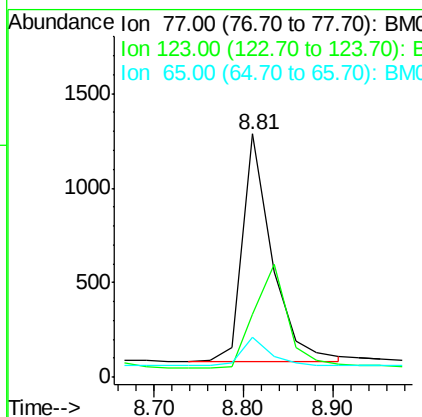
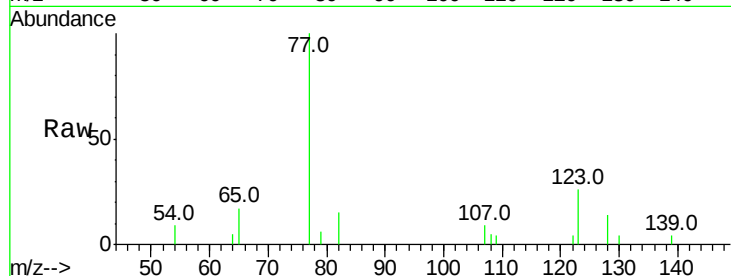
ClientSampleId :

SSTDICCC001

Tot Ion:	77	Resp:	2754
Ion	Ratio	Lower	Upper
77	100		
123	0.0	0.0	0.0
65	12.6	10.1	15.1

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#10

Hexachlorobutadiene

Concen: 1.01 ng

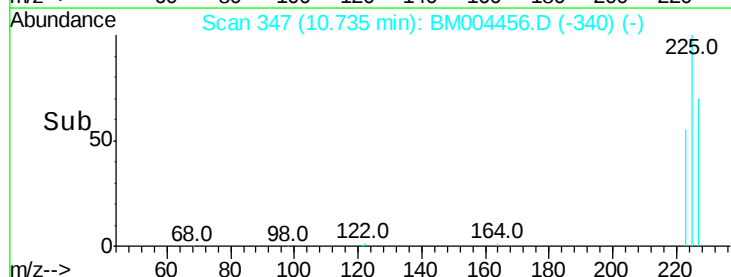
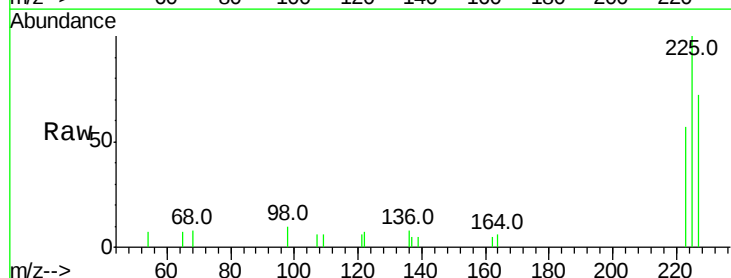
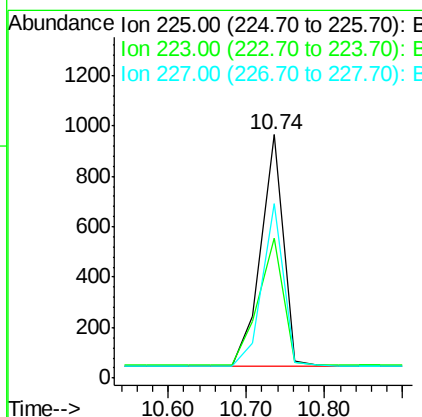
RT: 10.74 min Scan# 347

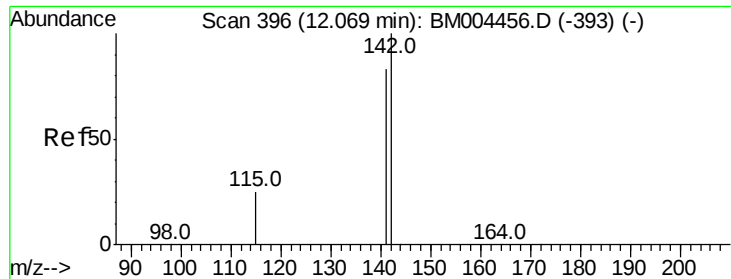
Delta R.T. 0.00 min

Lab File: BM004456.D

Acq: 28 Feb 2016 18:31

Tgt Ion:	225	Resp:	1869
Ion	Ratio	Lower	Upper
225	100		
223	60.5	48.4	72.6
227	66.0	52.8	79.2





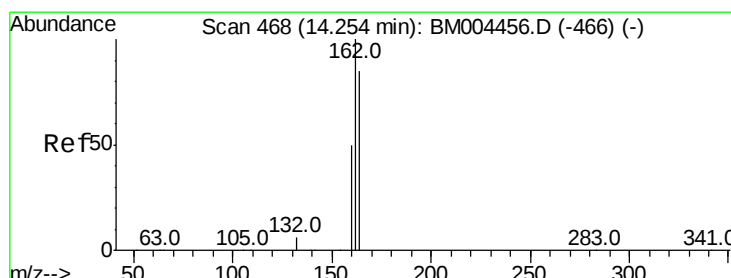
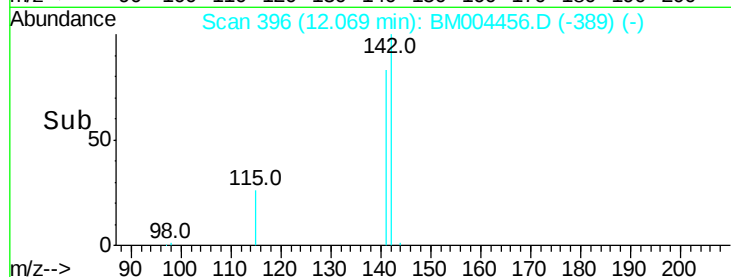
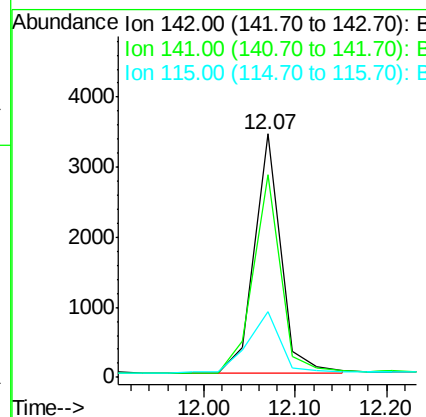
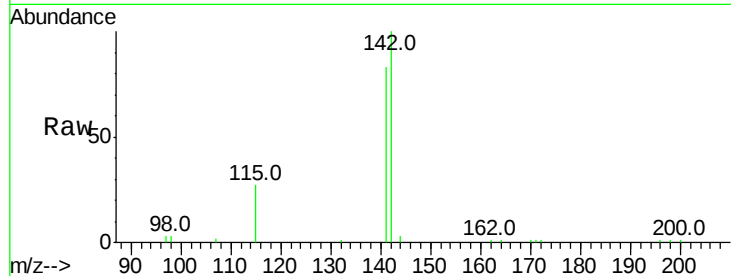
#11
2-Methylnaphthalene
Concen: 0.90 ng
RT: 12.07 min Scan# 396
Delta R.T. 0.00 min
Lab File: BM004456.D
Acq: 28 Feb 2016 18:31

Instrument :
BNA_M
ClientSampleId :
SSTDICCC001

Tot Ion	Ratio	Lower	Upper
142	100		
141	83.0	66.4	99.6
115	27.0	21.6	32.4

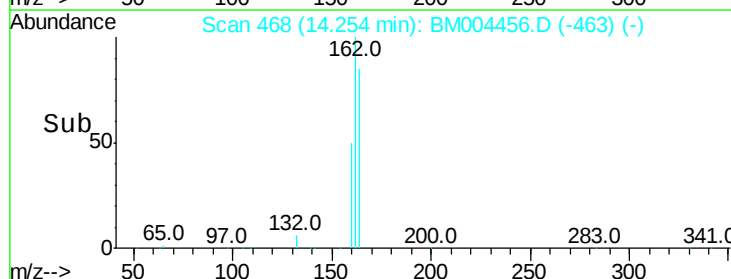
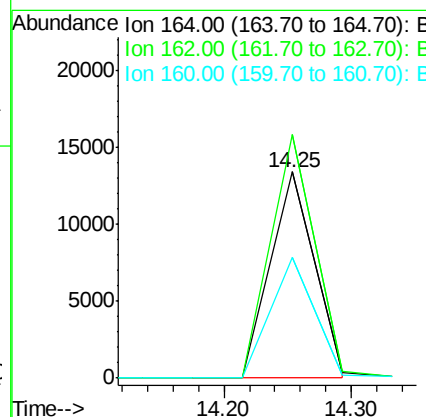
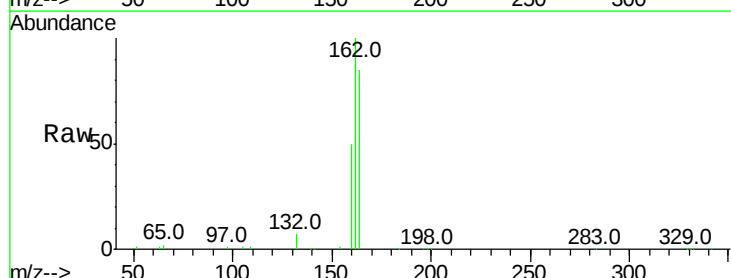
Manual Integrations
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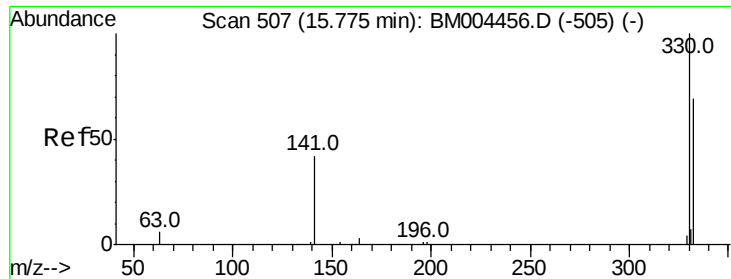
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#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.25 min Scan# 468
Delta R.T. 0.00 min
Lab File: BM004456.D
Acq: 28 Feb 2016 18:31

Tgt Ion	Ratio	Lower	Upper
164	100		
162	118.2	94.6	141.8
160	58.7	47.0	70.4





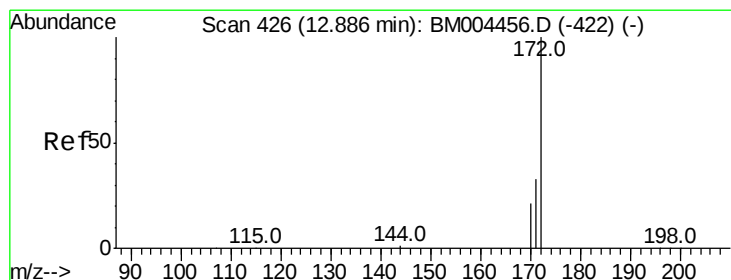
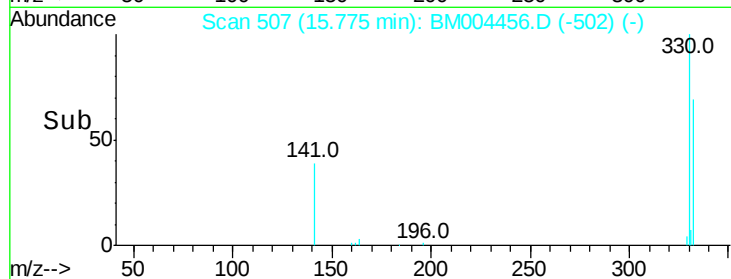
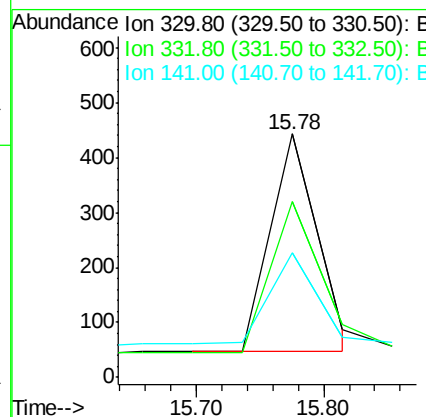
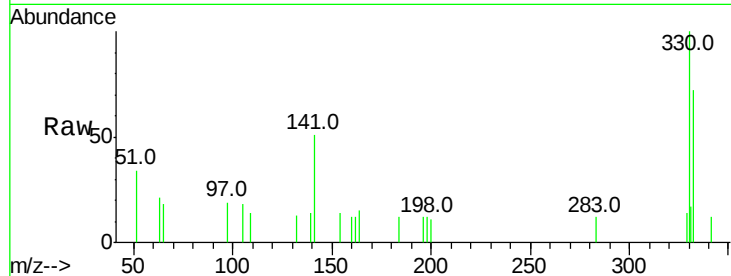
#13
 2,4,6-Tribromophenol
 Concen: 1.07 ng
 RT: 15.78 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: BM004456.D
 Acq: 28 Feb 2016 18:31

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC001

Tot Ion	Ratio	Lower	Upper
330	100		
332	74.0	59.2	88.8
141	41.2	33.0	49.4

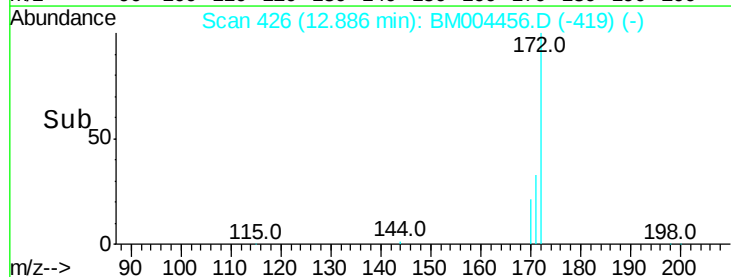
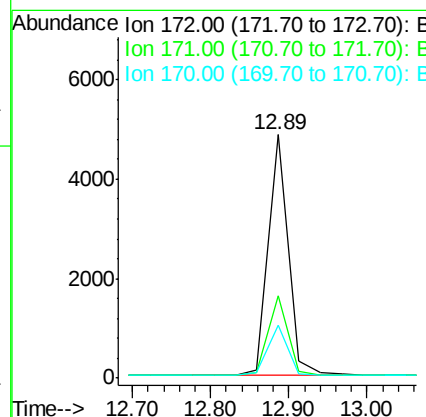
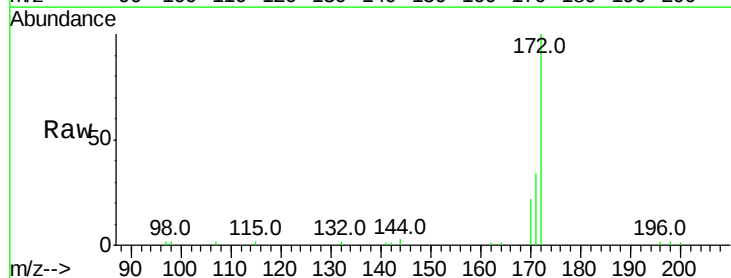
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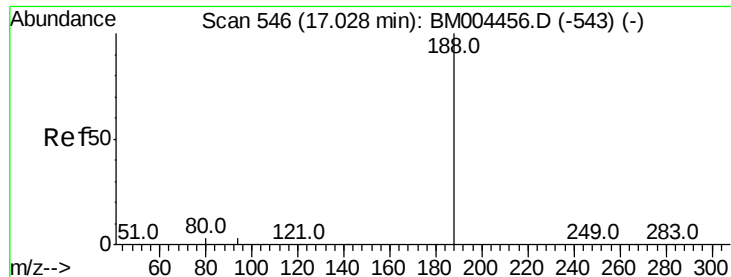
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#14
 2-Fluorobiphenyl
 Concen: 0.90 ng
 RT: 12.89 min Scan# 426
 Delta R.T. 0.00 min
 Lab File: BM004456.D
 Acq: 28 Feb 2016 18:31

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.0	27.2	40.8
170	21.7	17.4	26.0





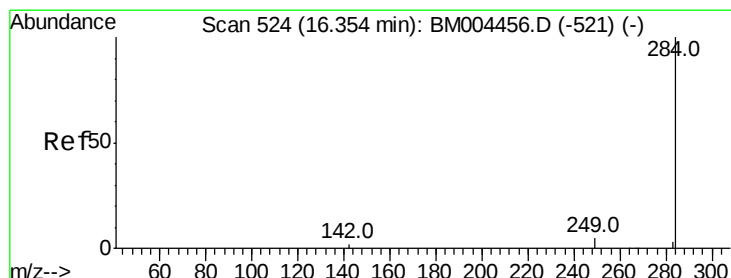
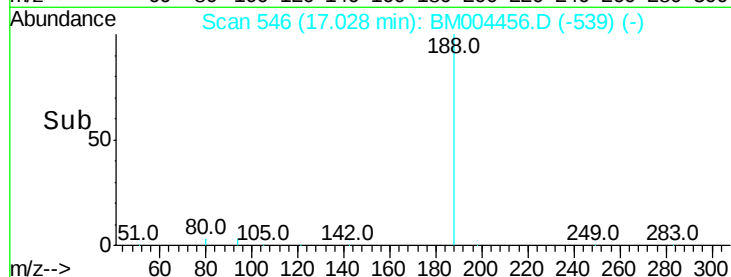
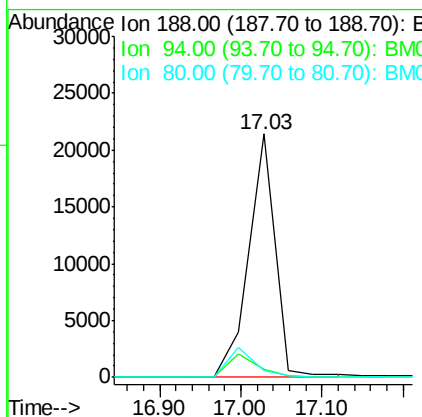
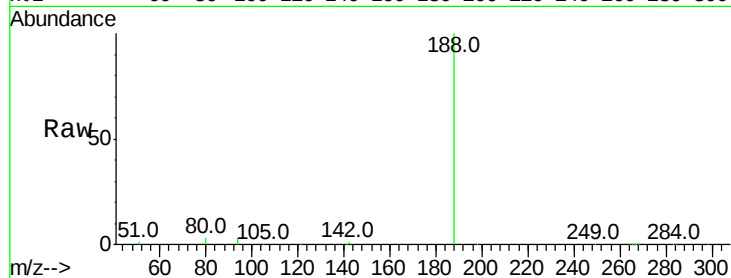
#15
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.03 min Scan# 546
Delta R.T. 0.00 min
Lab File: BM004456.D
Acq: 28 Feb 2016 18:31

Instrument :
BNA_M
ClientSampleId :
SSTDICCC001

Tot Ion:	188	Resp:	48435
Ion Ratio	Lower	Upper	
188	100		
94	3.4	2.7	4.1
80	2.8	2.2	3.4

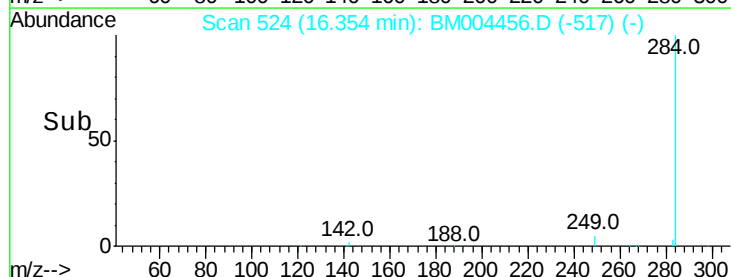
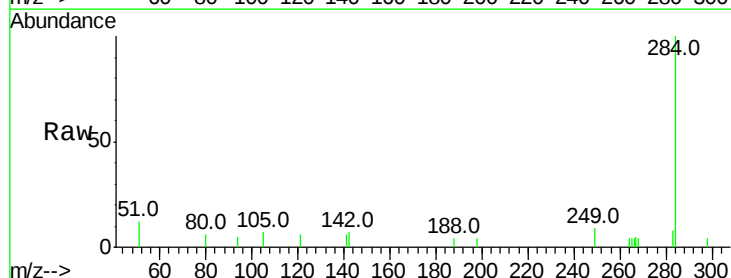
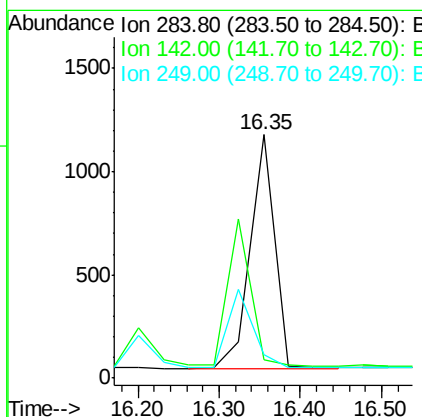
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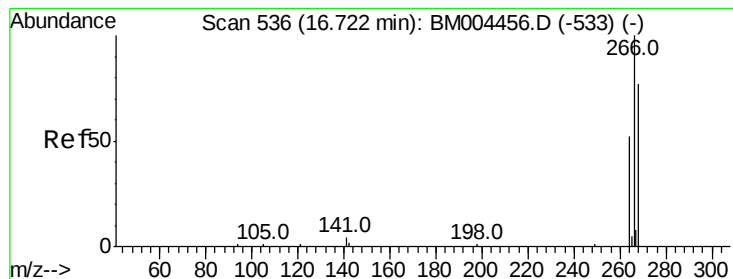
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#16
Hexachlorobenzene
Concen: 1.34 ng
RT: 16.35 min Scan# 524
Delta R.T. 0.00 min
Lab File: BM004456.D
Acq: 28 Feb 2016 18:31

Tgt Ion:	284	Resp:	2345
Ion Ratio	Lower	Upper	
284	100		
142	0.0	0.0	0.0
249	0.0	0.0	0.0





#17

Pentachlorophenol

Concen: 1.38 ng

RT: 16.72 min Scan# 536

Delta R.T. 0.00 min

Lab File: BM004456.D

Acq: 28 Feb 2016 18:31

Instrument :

BNA_M

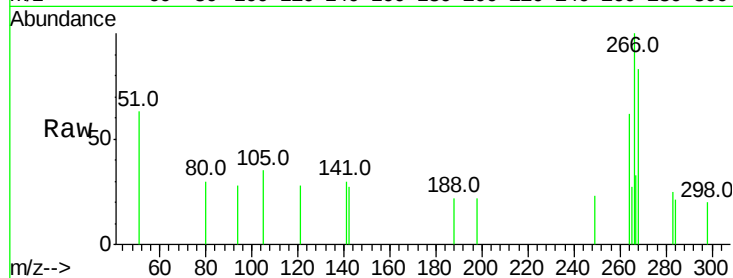
ClientSampleId :

SSTDICCC001

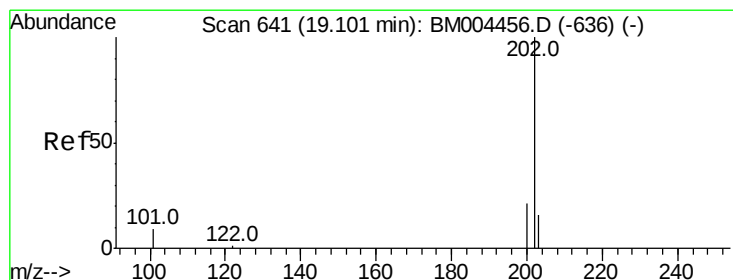
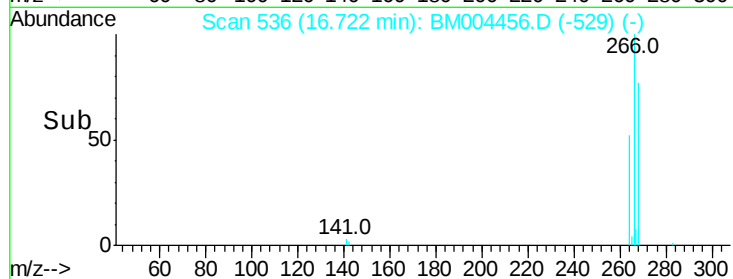
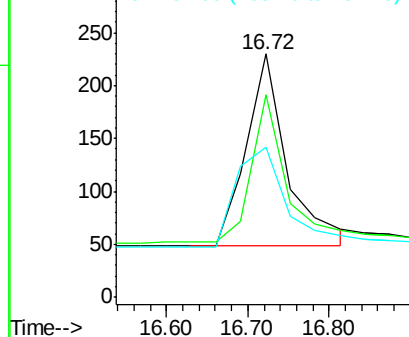
Tot Ion:	266	Resp:	632
Ion Ratio	Lower	Upper	
266	100		
268	83.5	66.8	100.2
264	61.7	49.4	74.0

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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: 1.18 ng

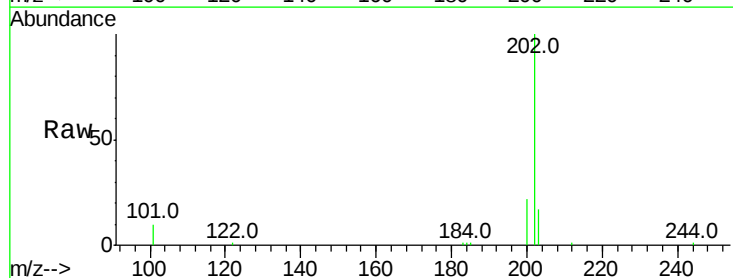
RT: 19.10 min Scan# 641

Delta R.T. 0.00 min

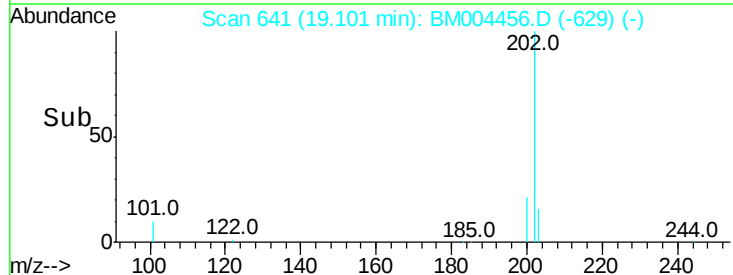
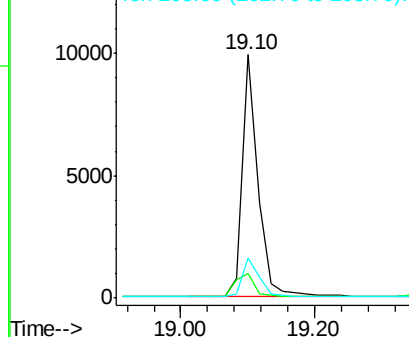
Lab File: BM004456.D

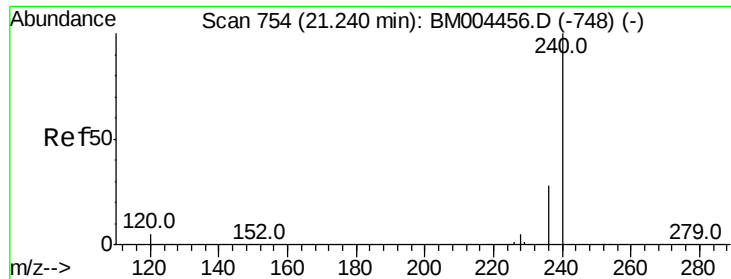
Acq: 28 Feb 2016 18:31

Tgt Ion:	202	Resp:	16108
Ion Ratio	Lower	Upper	
202	100		
101	11.7	9.4	14.0
203	17.4	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





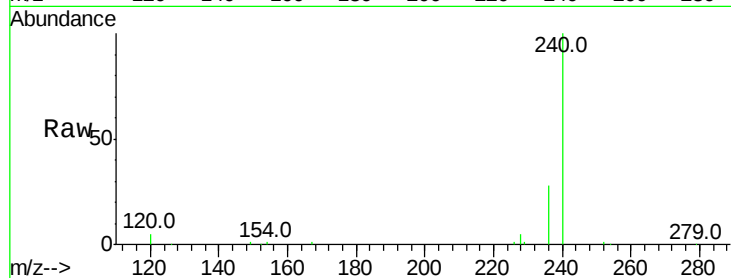
#19
Chrysene-d12
Concen: 5.00 ng
RT: 21.24 min Scan# 754
Delta R.T. 0.00 min
Lab File: BM004456.D
Acq: 28 Feb 2016 18:31

Instrument :
BNA_M
ClientSampleId :
SSTDICCC001

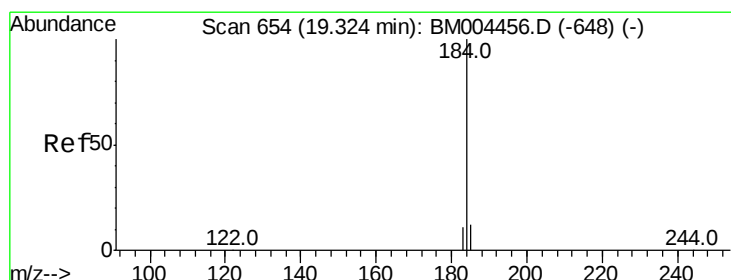
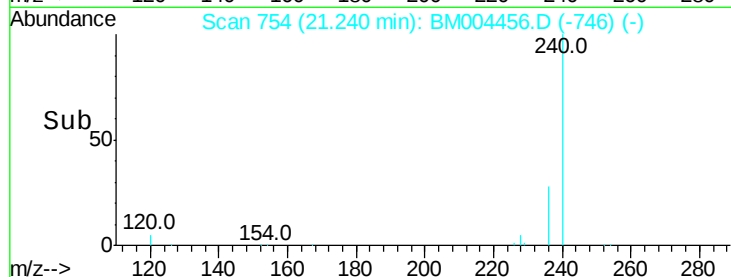
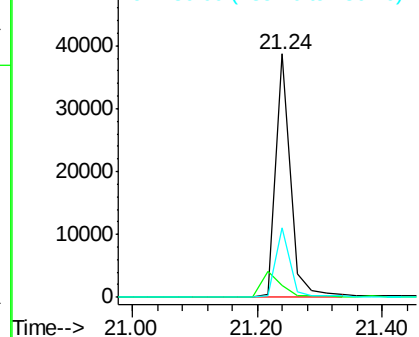
Tot Ion	Ratio	Lower	Upper
240	100		
120	5.0	4.0	6.0
236	28.4	22.7	34.1

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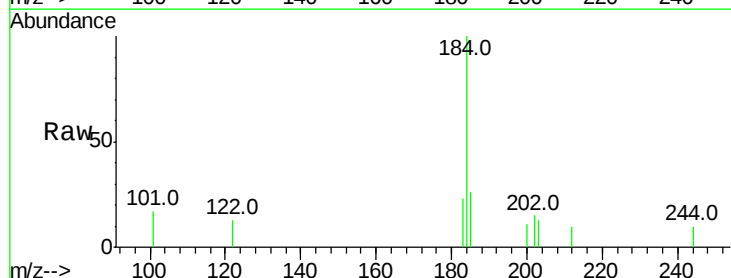


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

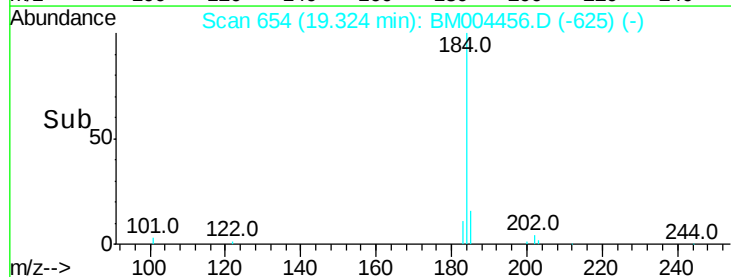
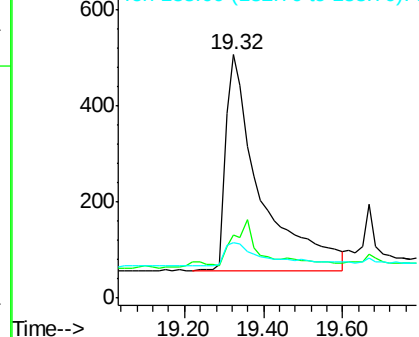


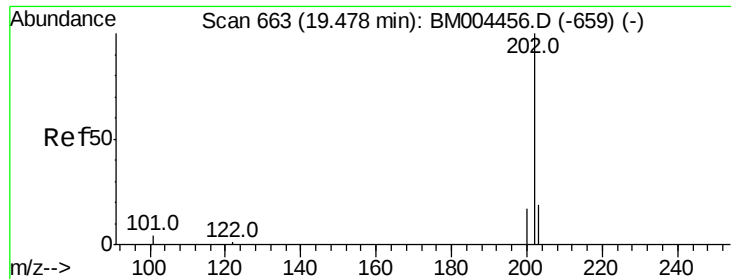
#20
Benzidine
Concen: 0.88 ng
RT: 19.32 min Scan# 654
Delta R.T. 0.00 min
Lab File: BM004456.D
Acq: 28 Feb 2016 18:31

Tgt Ion	Ratio	Lower	Upper
184	100		
185	26.0	20.8	31.2
183	23.1	18.5	27.7



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E





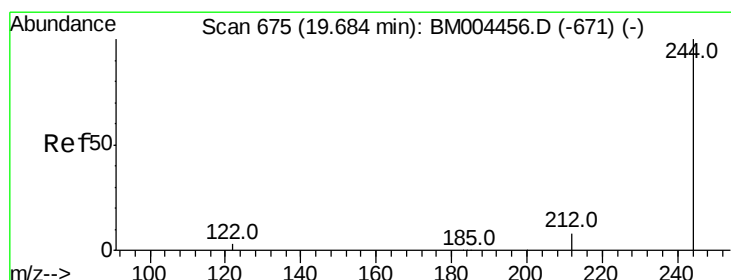
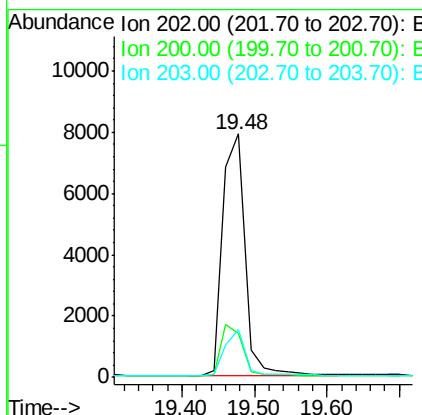
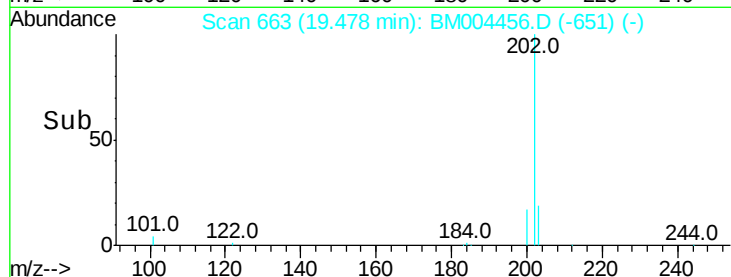
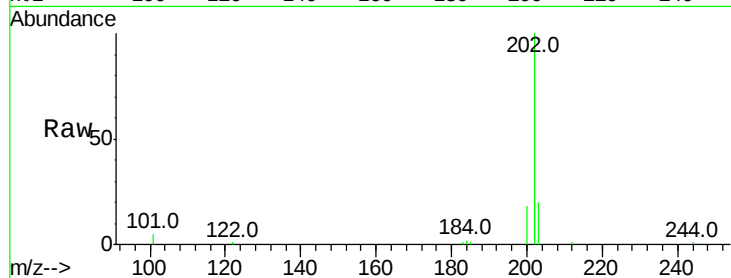
#21
Pvrene
Concen: 0.92 ng
RT: 19.48 min Scan# 663
Delta R.T. 0.00 min
Lab File: BM004456.D
Acq: 28 Feb 2016 18:31

Instrument :
BNA_M
ClientSampled :
SSTDICCC001

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.6	24.8
203	17.4	13.9	20.9

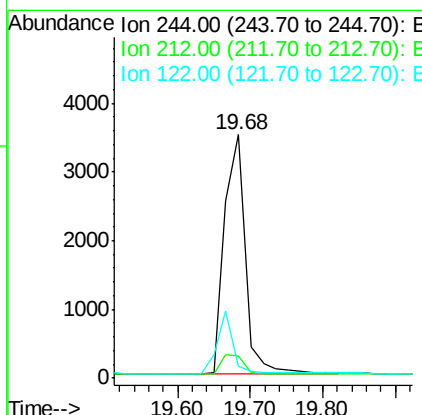
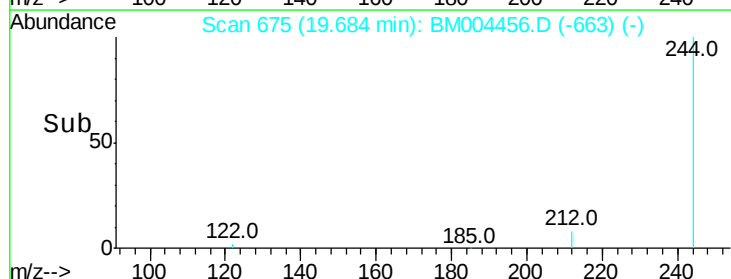
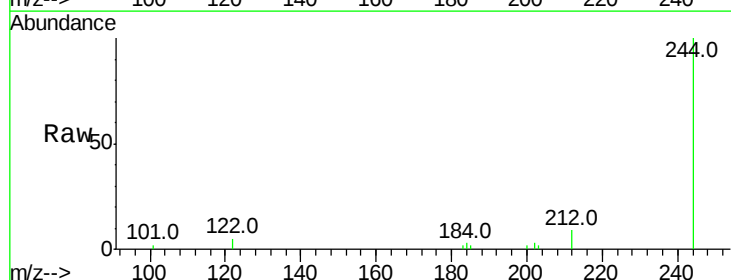
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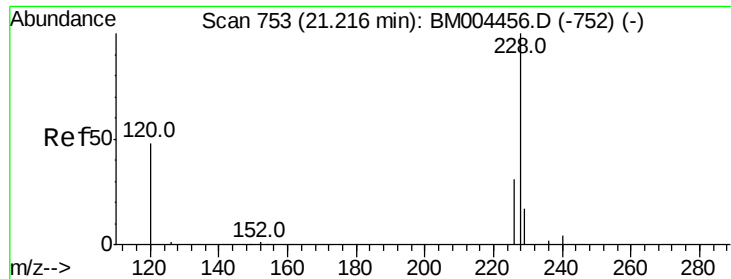
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#22
Terphenyl-d14
Concen: 0.87 ng
RT: 19.68 min Scan# 675
Delta R.T. 0.00 min
Lab File: BM004456.D
Acq: 28 Feb 2016 18:31

Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.3	7.4	11.2
122	5.2	4.2	6.2





#23

Benzo(a)anthracene

Concen: 0.75 ng/mL

RT: 21.22 min Scan# 753

Delta R.T. 0.00 min

Lab File: BM004456.D

Acq: 28 Feb 2016 18:31

Instrument :

BNA_M

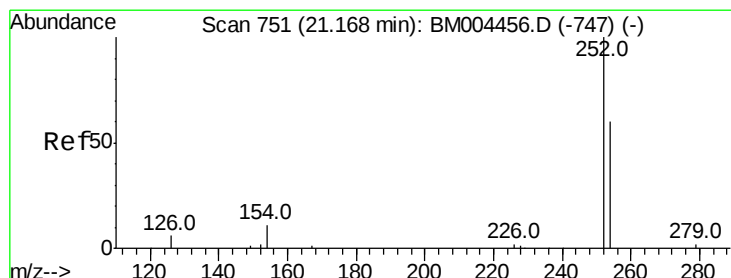
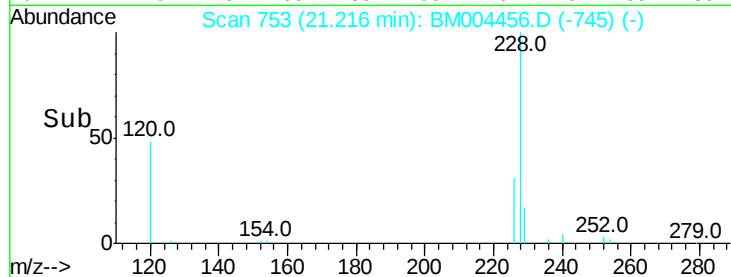
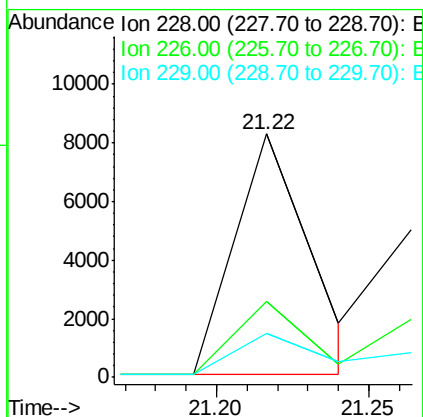
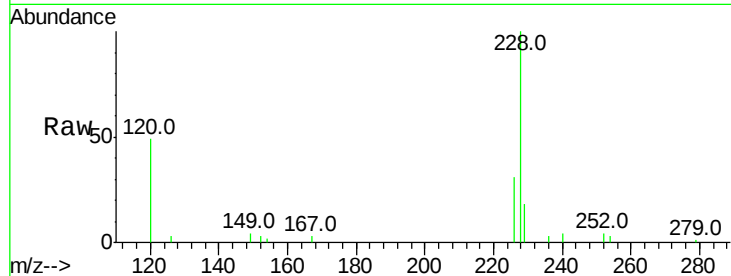
ClientSampleId :

SSTDICCC001

Tot Ion:	228	Resp:	14329
Ion Ratio	Lower	Upper	
228	100		
226	31.4	25.1	37.7
229	17.8	14.2	21.4

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#24

3,3'-Dichlorobenzidine

Concen: 1.29 ng/mL

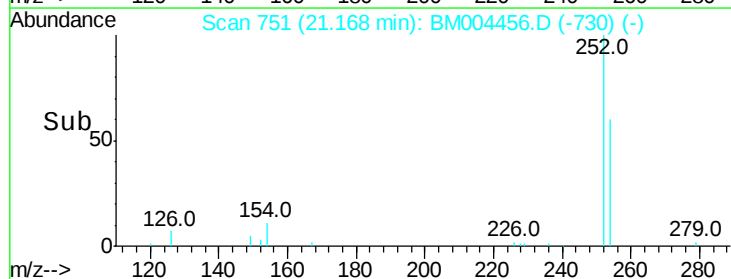
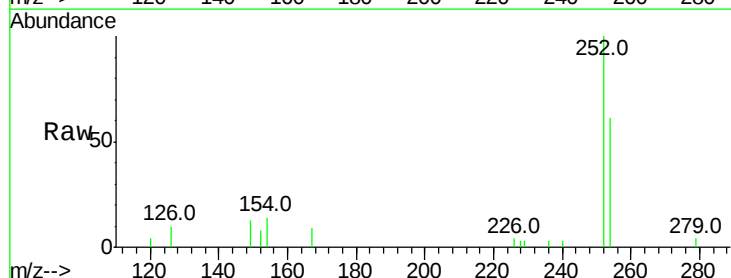
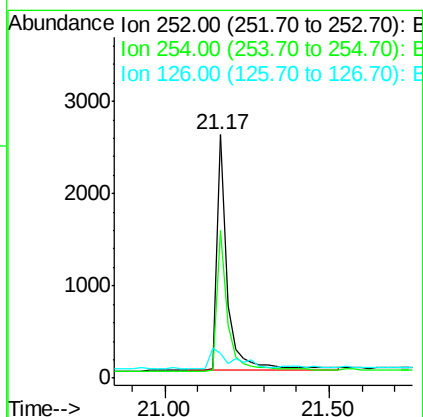
RT: 21.17 min Scan# 751

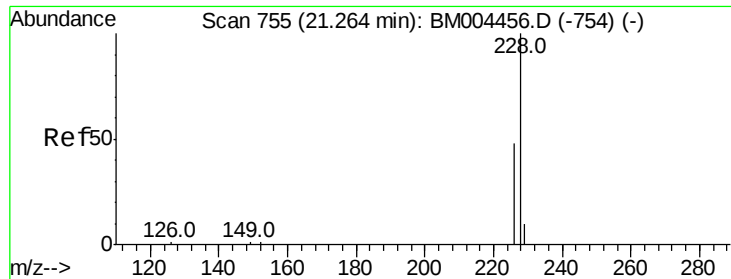
Delta R.T. 0.00 min

Lab File: BM004456.D

Acq: 28 Feb 2016 18:31

Tgt Ion:	252	Resp:	5978
Ion Ratio	Lower	Upper	
252	100		
254	60.9	48.7	73.1
126	10.2	8.2	12.2





#25

Chrysene

Concen: 0.92 ng m

RT: 21.26 min Scan# 755

Delta R.T. 0.00 min

Lab File: BM004456.D

Acq: 28 Feb 2016 18:31

Instrument :

BNA_M

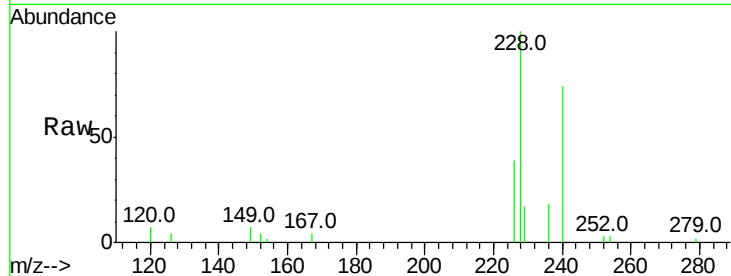
ClientSampleId :

SSTDICCC001

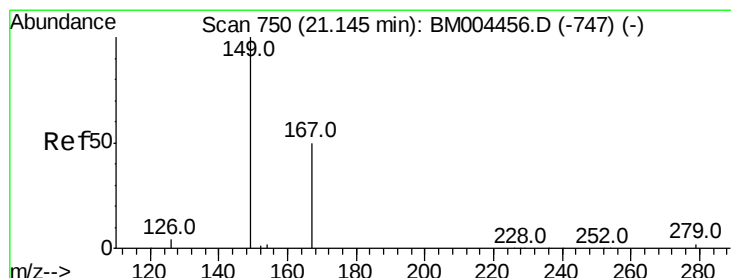
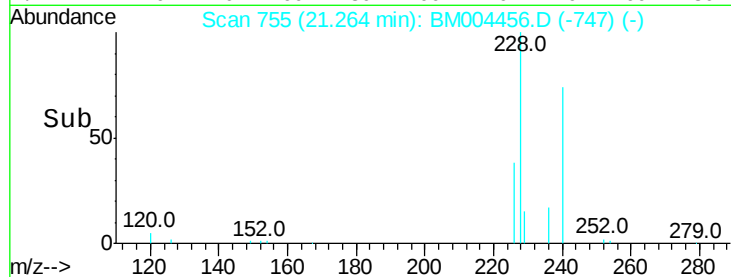
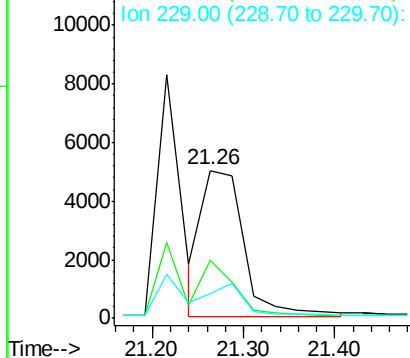
Tot Ion:	228	Resp:	16165
Ion Ratio	Lower	Upper	
228	100		
226	38.8	31.0	46.6
229	16.8	13.4	20.2

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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: 1.18 ng

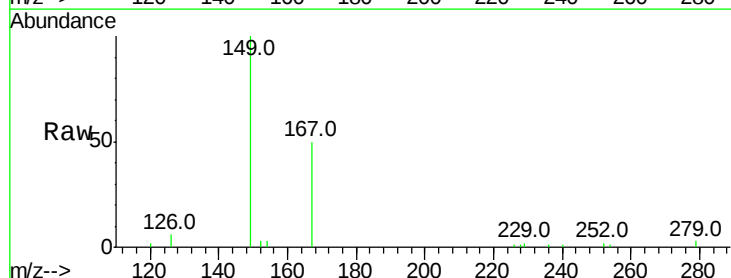
RT: 21.14 min Scan# 750

Delta R.T. 0.00 min

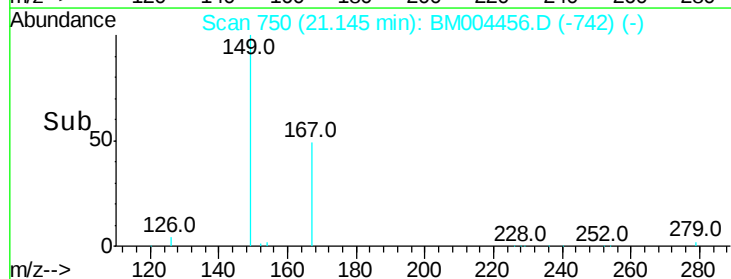
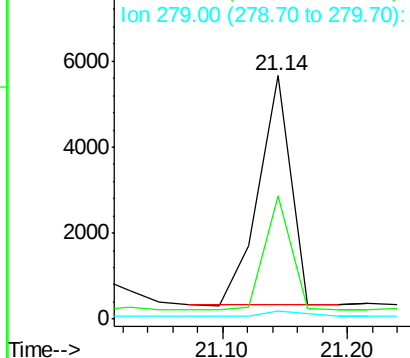
Lab File: BM004456.D

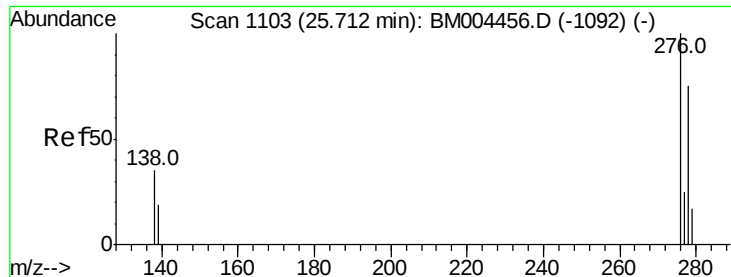
Acq: 28 Feb 2016 18:31

Tgt Ion:	149	Resp:	9593
Ion Ratio	Lower	Upper	
149	100		
167	41.4	33.1	49.7
279	2.5	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





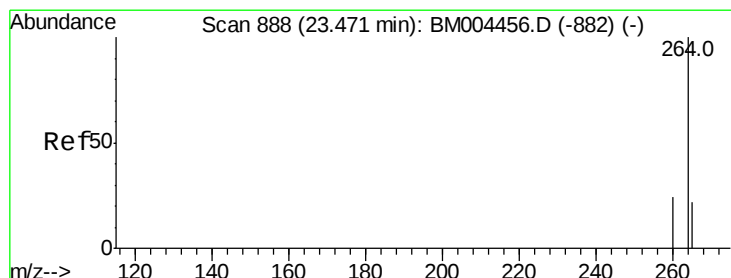
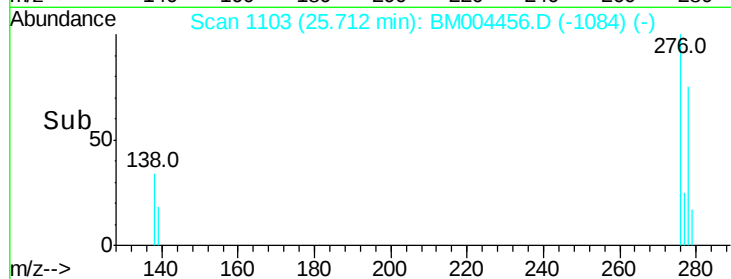
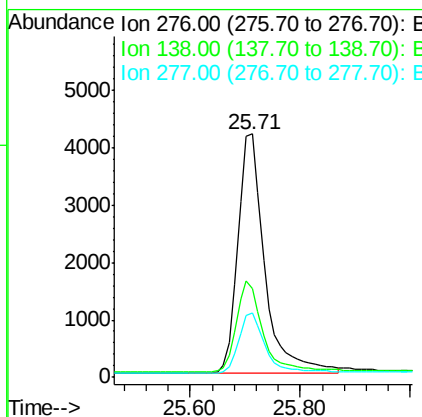
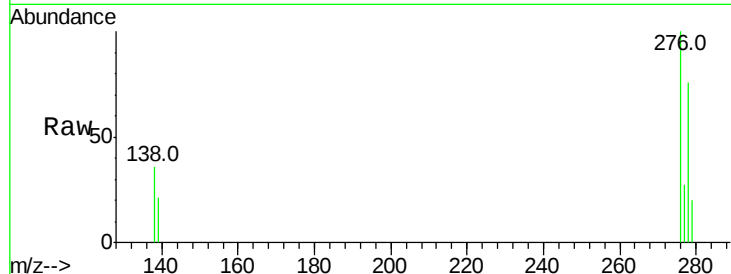
#27
Indeno(1,2,3-cd)pyrene
Concen: 0.78 ng
RT: 25.71 min Scan# 1103
Delta R.T. 0.00 min
Lab File: BM004456.D
Acq: 28 Feb 2016 18:31

Instrument :
BNA_M
ClientSampleId :
SSTDICCC001

Tot Ion	Ratio	Lower	Upper
276	100		
138	37.5	30.0	45.0
277	24.8	19.8	29.8

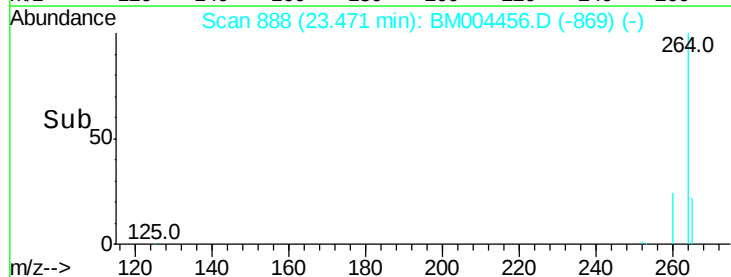
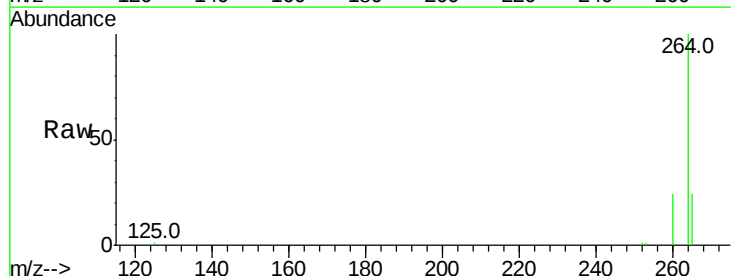
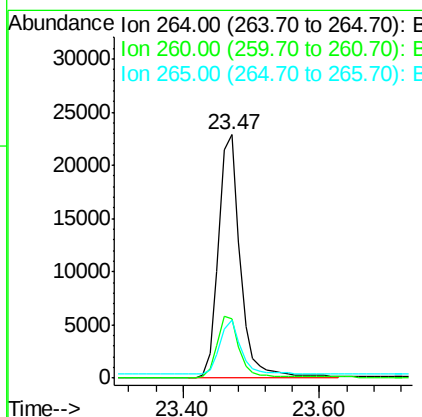
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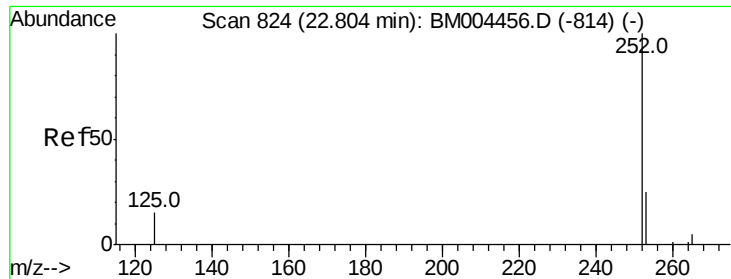
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#28
Perylene-d12
Concen: 5.00 ng
RT: 23.47 min Scan# 888
Delta R.T. 0.00 min
Lab File: BM004456.D
Acq: 28 Feb 2016 18:31

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.4	29.2
265	23.6	18.9	28.3





#29

Benzo(b)fluoranthene

Concen: 1.08 ng

RT: 22.80 min Scan# 824

Delta R.T. 0.00 min

Lab File: BM004456.D

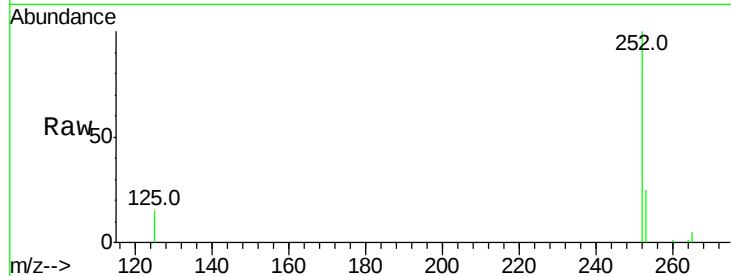
Acq: 28 Feb 2016 18:31

Instrument :

BNA_M

ClientSampleId :

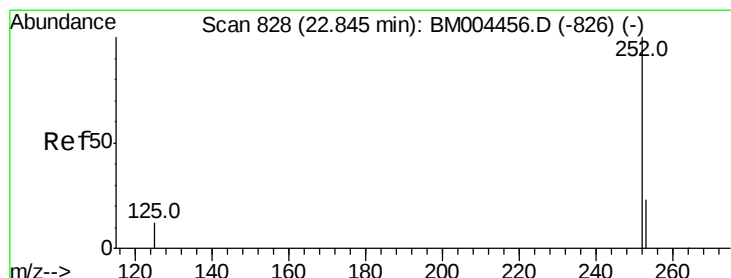
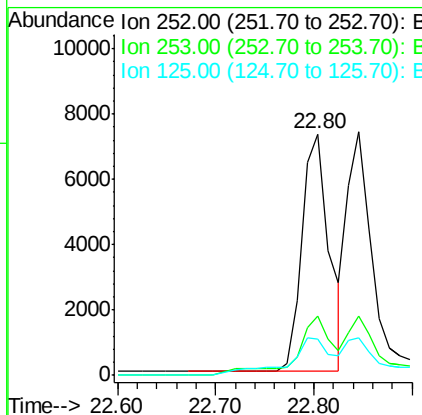
SSTDICCC001



Tot Ion:	252	Resp:	17106
Ion Ratio	Lower	Upper	
252	100		
253	24.7	19.8	29.6
125	15.2	12.2	18.2

Manual Integrations
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#30

Benzo(k)fluoranthene

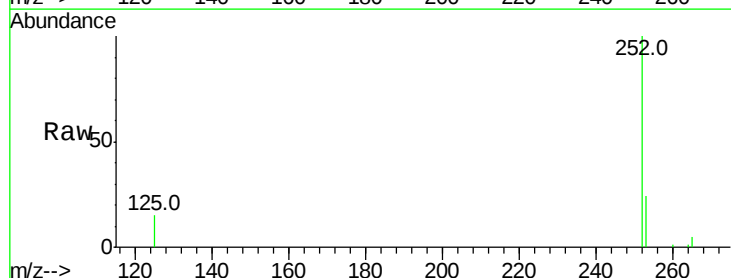
Concen: 0.94 ng

RT: 22.85 min Scan# 828

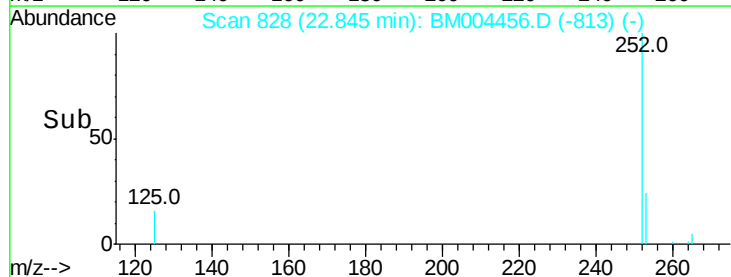
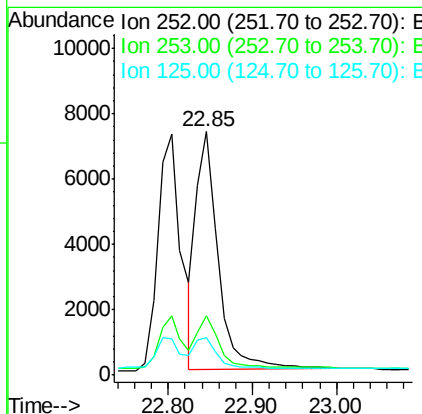
Delta R.T. 0.00 min

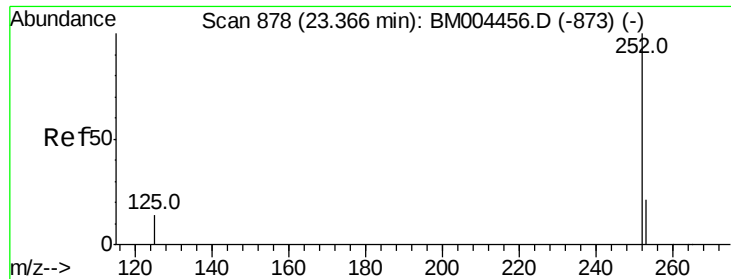
Lab File: BM004456.D

Acq: 28 Feb 2016 18:31



Tgt Ion:	252	Resp:	13244
Ion Ratio	Lower	Upper	
252	100		
253	24.1	19.3	28.9
125	15.5	12.4	18.6





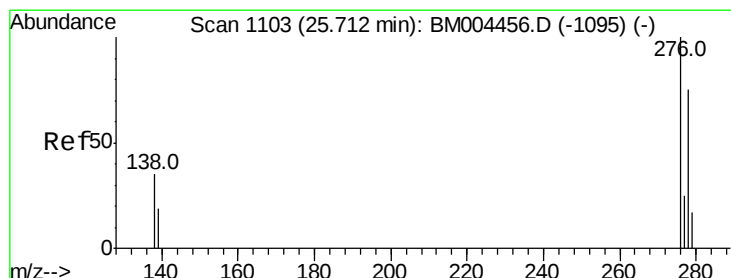
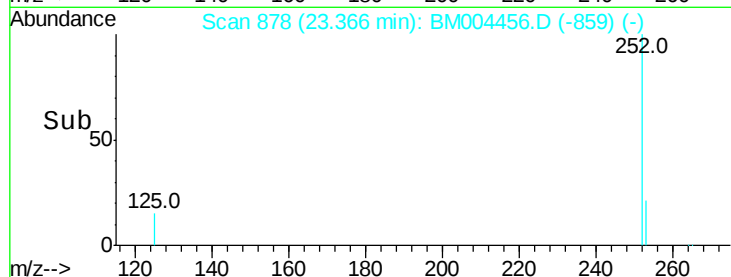
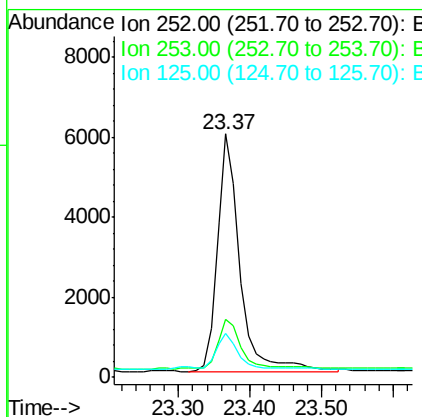
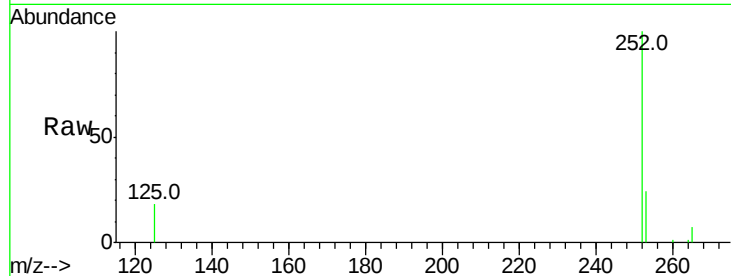
#31
Benzo(a)pyrene
Concen: 0.95 ng
RT: 23.37 min Scan# 878
Delta R.T. 0.00 min
Lab File: BM004456.D
Acq: 28 Feb 2016 18:31

Instrument :
BNA_M
ClientSampleId :
SSTDICCC001

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	19.3	28.9
125	18.0	14.4	21.6

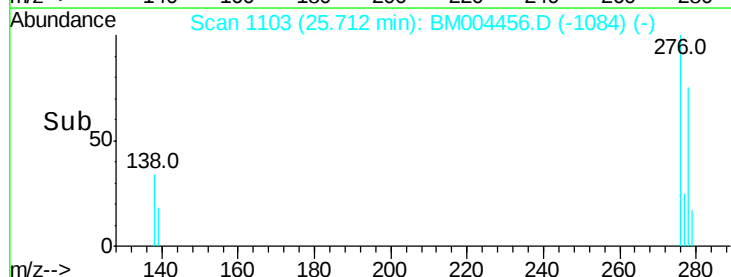
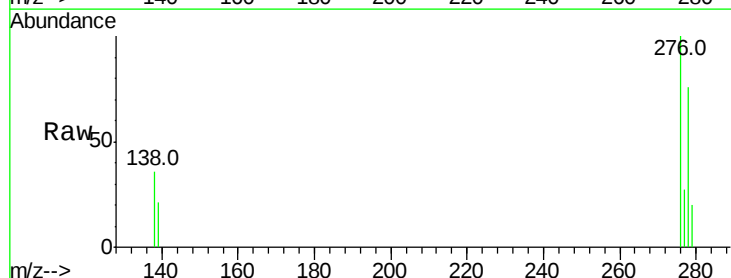
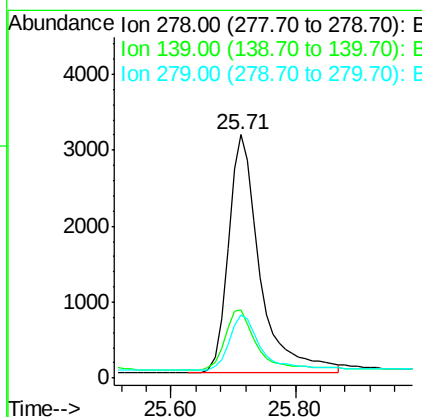
Manual Integrations
APPROVED

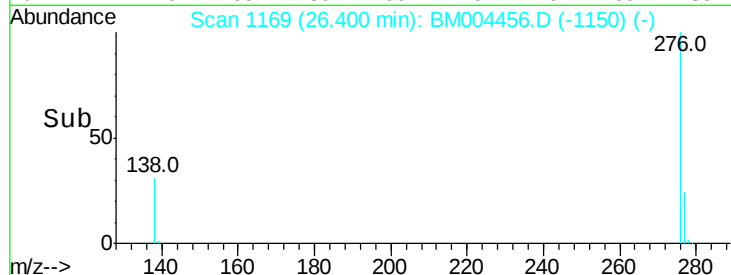
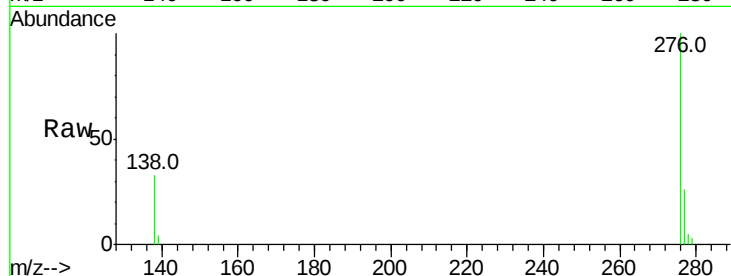
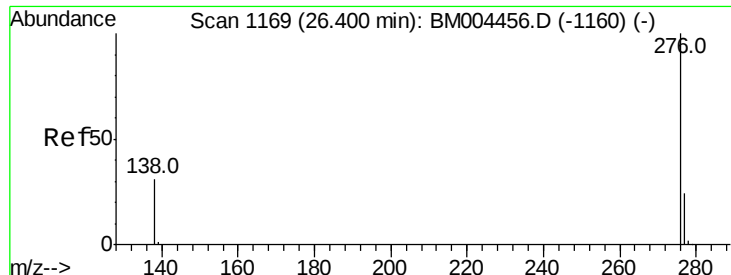
UMANGI
2/29/2016 2:48:49 PM



#32
Dibenzo(a,h)anthracene
Concen: 0.91 ng
RT: 25.71 min Scan# 1103
Delta R.T. 0.00 min
Lab File: BM004456.D
Acq: 28 Feb 2016 18:31

Tgt Ion	Ratio	Lower	Upper
278	100		
139	27.9	22.3	33.5
279	25.9	20.7	31.1





#33

Benzo(a,h,i)perylene

Concen: 0.91 ng

RT: 26.40 min Scan# 1169

Delta R.T. 0.00 min

Lab File: BM004456.D

Acq: 28 Feb 2016 18:31

Instrument :
BNA_M
ClientSampleId :
SSTDICCC001

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.5	20.4	30.6
138	33.0	26.4	39.6

Manual Integrations
APPROVED

UMANGI
2/29/2016 2:48:49 PM

