

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101415\
 Data File : BM002901.D
 Acq On : 14 Oct 2015 16:38
 Operator : UM/IZ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001

Manual Integrations
 APPROVED

MMdadoda
 10/15/2015 5:29:47 PM

Quant Time: Oct 15 01:02:13 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SIM-ACID-BM0101315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 14 17:36:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.65	152	84108	5.00	ng	-0.01
8) Naphthalene-d8	11.50	136	346851	5.00	ng	0.00
14) Acenaphthene-d10	15.25	164	180941	5.00	ng	0.00
21) Phenanthrene-d10	17.95	188	423757	5.00	ng	0.00
24) Chrysene-d12	22.04	240	402130	5.00	ng	0.00
26) Perylene-d12	24.61	264	370421	5.00	ng	0.00
System Monitoring Compounds						
2) 2-Fluorophenol	6.15	112	14545m	0.90	ng	0.02
3) Phenol-d6	7.80	99	19765	0.86	ng	0.02
9) Nitrobenzene-d5	9.86	82	17583	0.92	ng	0.00
15) 2,4,6-Tribromophenol	16.71	330	5567	0.84	ng	0.00
18) 2-Fluorobiphenyl	13.87	172	55087	0.93	ng	0.00
25) Terphenyl-d14	20.48	244	55189	0.90	ng	0.00
Target Compounds						
4) 2-Chlorophenol	8.21	128	19019	0.89	ng	# 72
5) Phenol	7.82	94	20238	0.89	ng	# 85
6) 2-Methylphenol	9.11	107	14944	0.86	ng	# 88
7) 3+4-Methylphenols	9.45	107	18709	0.87	ng	# 34
10) 2-Nitrophenol	10.64	139	7310	0.84	ng	# 61
11) 2,4-Dimethylphenol	10.66	122	16875	0.88	ng	# 98
12) 2,4-Dichlorophenol	11.21	162	13205	0.89	ng	# 94
13) 4-Chloro-3-methylphenol	12.76	107	15821	0.85	ng	# 83
16) 2,4,6-Trichlorophenol	13.72	196	9715	0.82	ng	# 78
17) 2,4,5-Trichlorophenol	13.83	196	10757	0.86	ng	# 97
19) 2,4-Dinitrophenol	15.52	184	285	0.84	ng	# 1
20) 4-Nitrophenol	15.52	139	2964	0.85	ng	# 78
22) 4,6-Dinitro-2-methylphenol	16.40	198	2125	0.87	ng	# 81
23) Pentachlorophenol	17.63	266	1927	0.96	ng	# 92

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

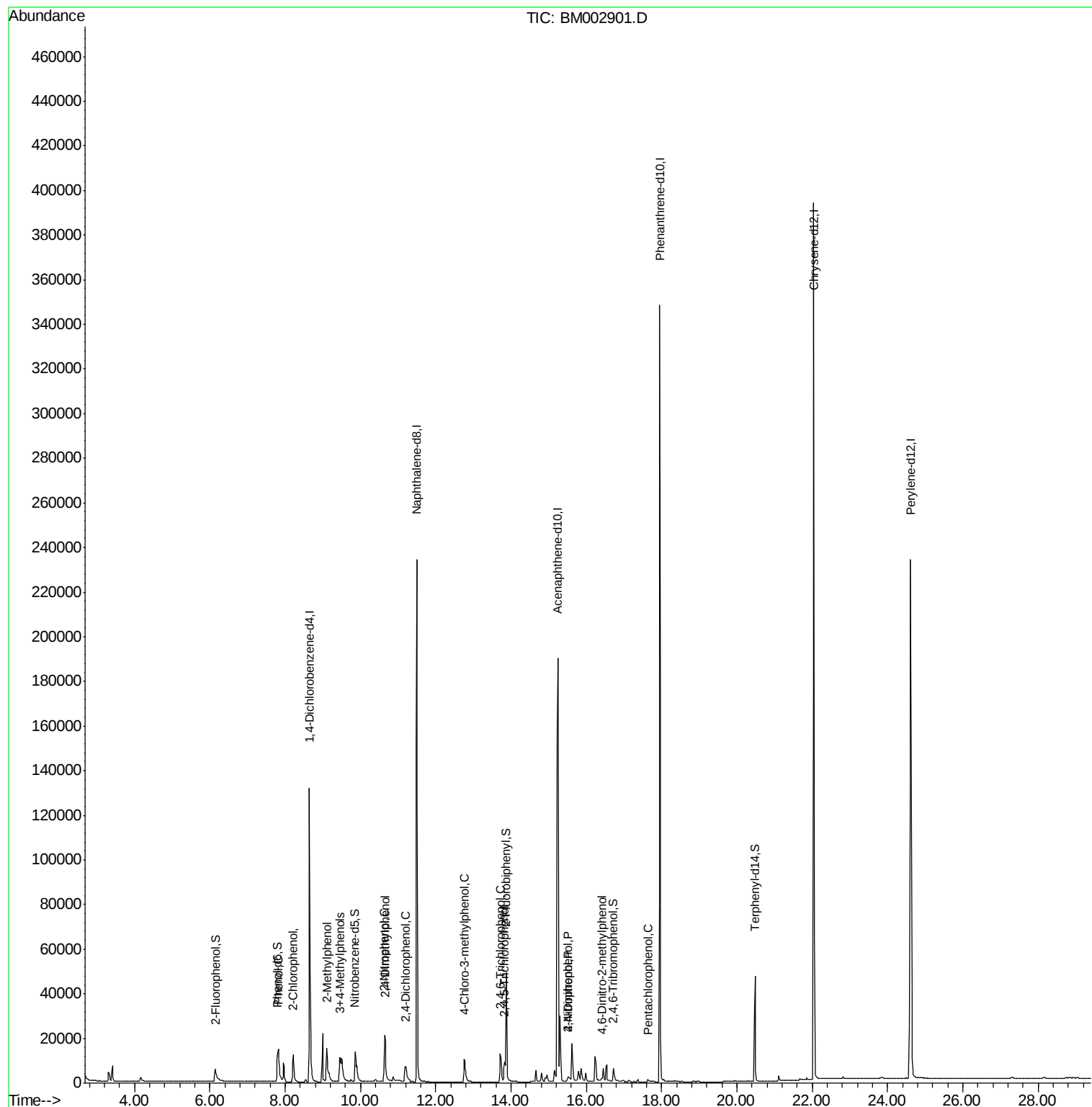
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101415\
Data File : BM002901.D
Acq On : 14 Oct 2015 16:38
Operator : UM/IZ
Sample : SSTDCCC001
Misc :
ALS Vial : 2 Sample Multiplier: 1

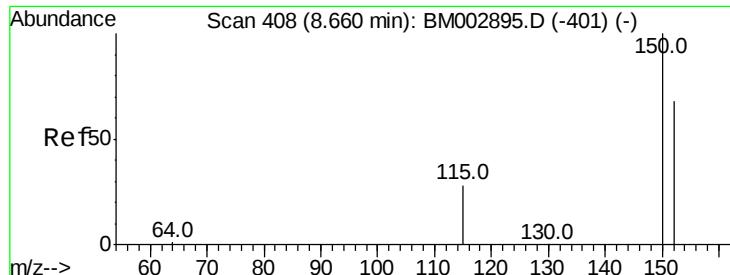
Instrument :
BNA_M
ClientSampleId :
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#1

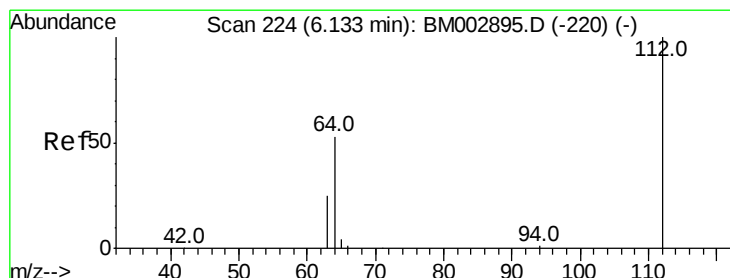
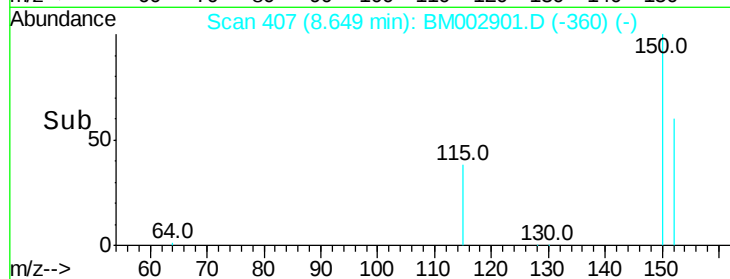
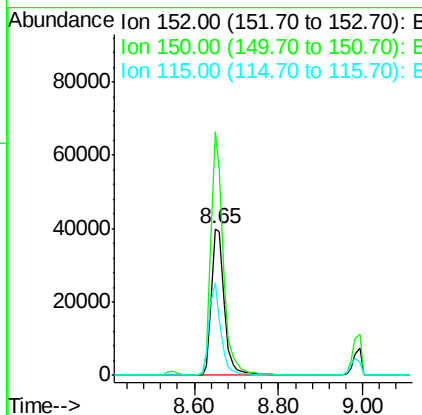
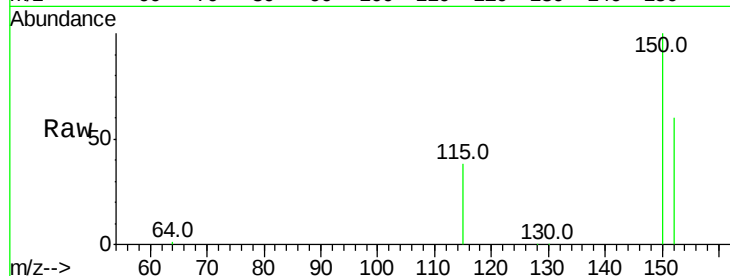
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.65 min Scan# 407
Delta R.T. -0.01 min
Lab File: BM002901.D
Acq: 14 Oct 2015 16:38

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

Tot Ion	Ratio	Lower	Upper
152	100		
150	166.1	116.3	174.5
115	63.3	31.9	47.9#

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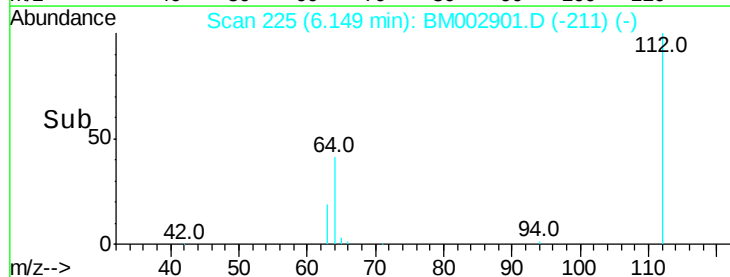
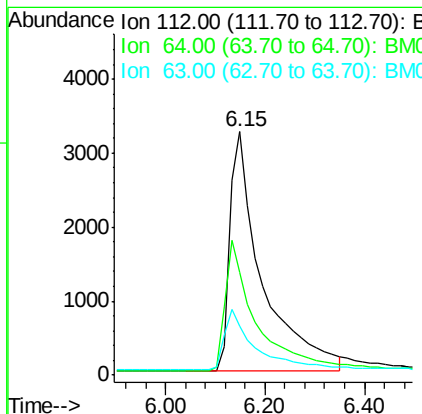
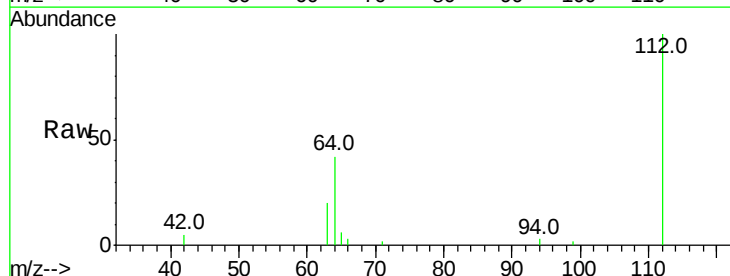
MMdadoda
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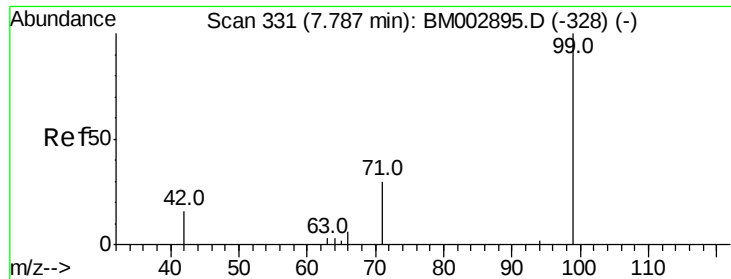


#2

2-Fluorophenol
Concen: 0.90 ng m
RT: 6.15 min Scan# 225
Delta R.T. 0.02 min
Lab File: BM002901.D
Acq: 14 Oct 2015 16:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	42.2	49.3	73.9#
63	20.3	26.2	39.4#





#3

Phenol-d6

Concen: 0.86 ng

RT: 7.80 min Scan# 332

Delta R.T. 0.02 min

Lab File: BM002901.D

Acq: 14 Oct 2015 16:38

Instrument :

BNA_M

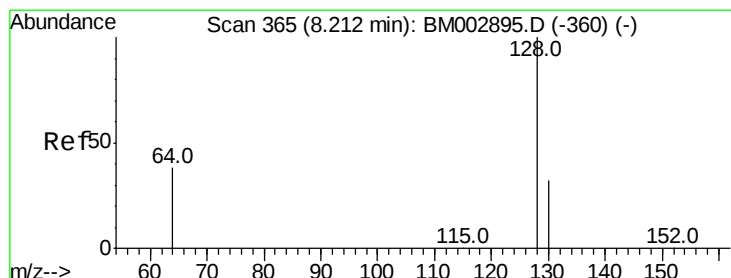
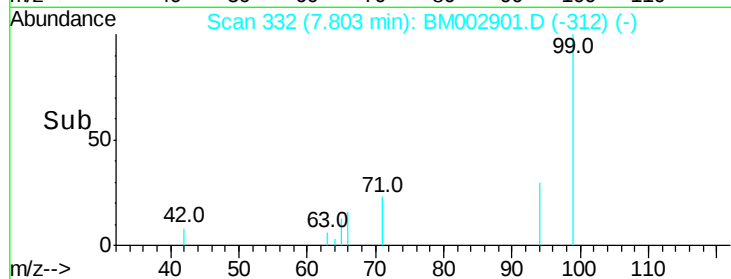
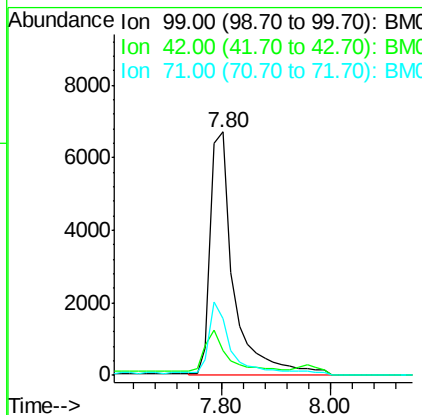
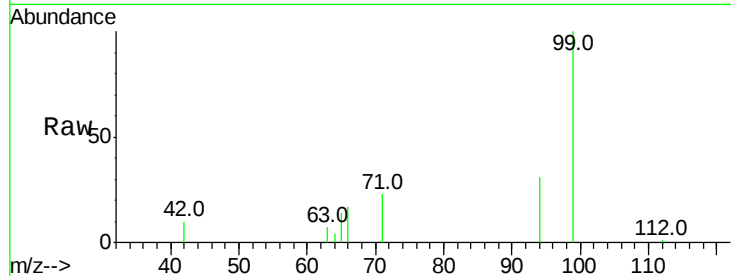
ClientSampleId :

SSTDCCC001

Tot Ion:	99	Resp:	19765
Ion Ratio	Lower	Upper	
99	100		
42	10.2	12.1	18.1#
71	23.4	26.4	39.6#

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#4

2-Chlorophenol

Concen: 0.89 ng

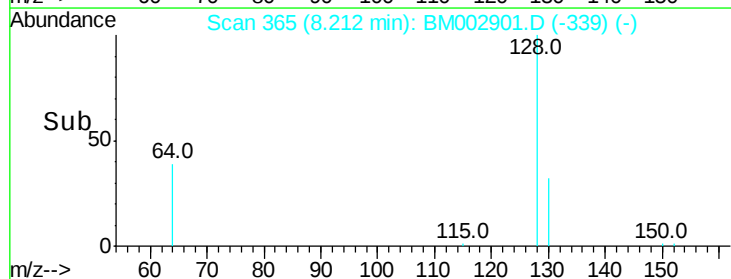
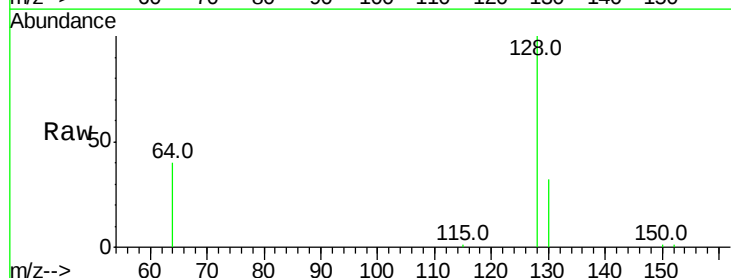
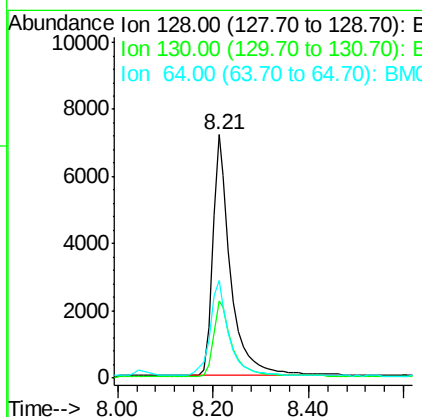
RT: 8.21 min Scan# 365

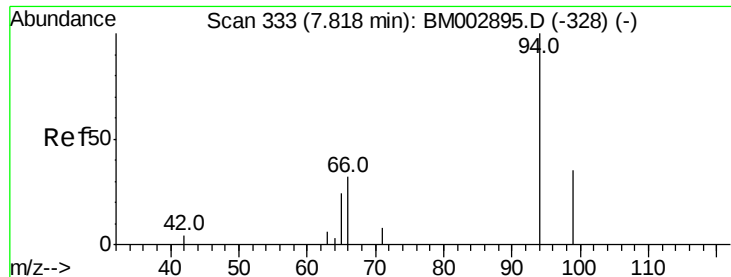
Delta R.T. 0.00 min

Lab File: BM002901.D

Acq: 14 Oct 2015 16:38

Tgt Ion:	128	Resp:	19019
Ion Ratio	Lower	Upper	
128	100		
130	32.0	22.2	62.2
64	40.0	0.0	28.7#





#5

Phenol

Concen: 0.89 ng

RT: 7.82 min Scan# 333

Delta R.T. 0.00 min

Lab File: BM002901.D

Acq: 14 Oct 2015 16:38

Instrument :

BNA_M

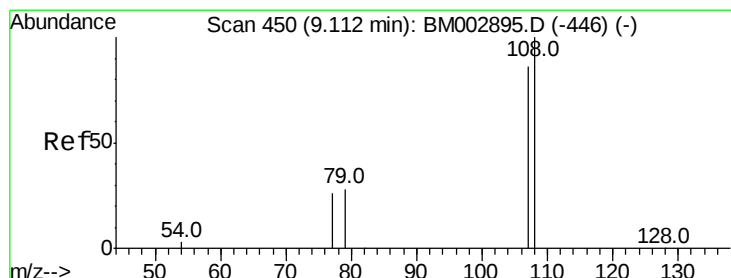
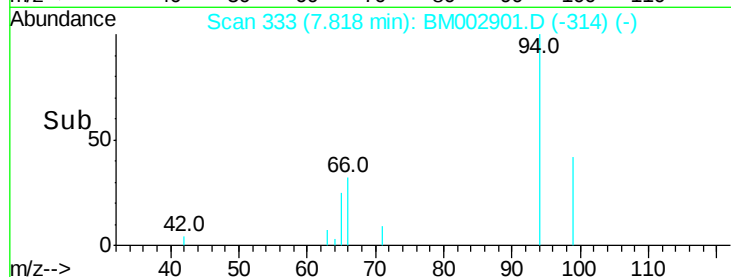
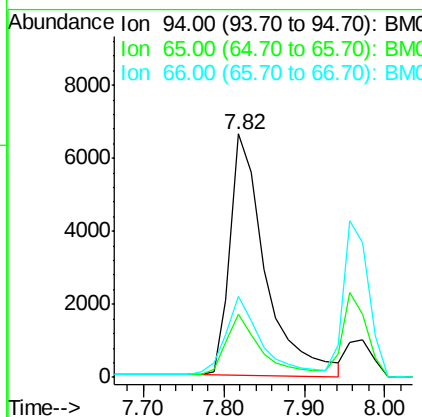
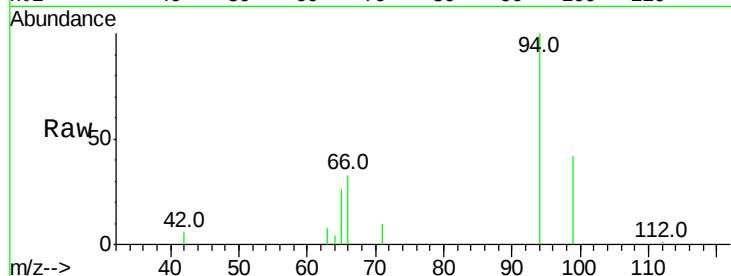
ClientSampleId :

SSTDCCC001

Tot Ion:	94	Resp:	20238
Ion Ratio	Lower	Upper	
94	100		
65	25.9	0.0	37.7
66	33.1	6.3	46.3

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#6

2-Methylphenol

Concen: 0.86 ng

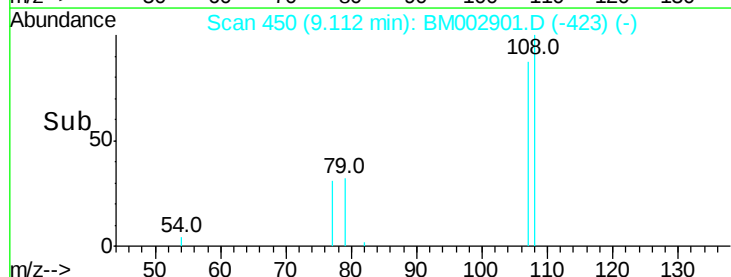
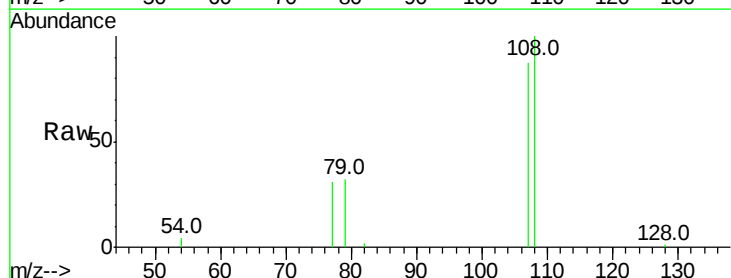
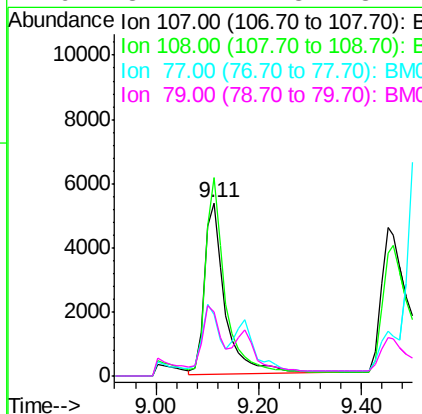
RT: 9.11 min Scan# 450

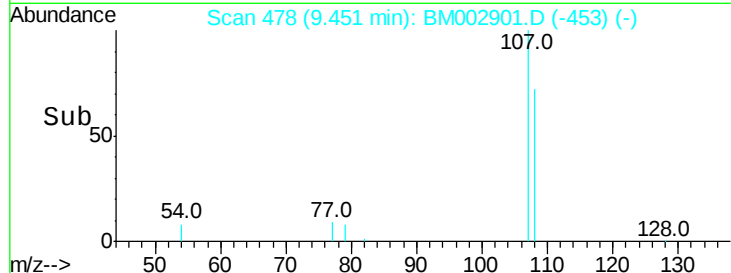
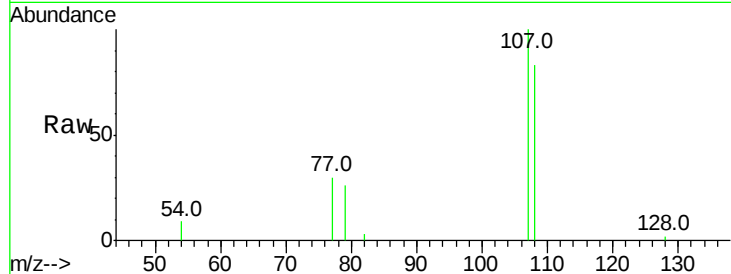
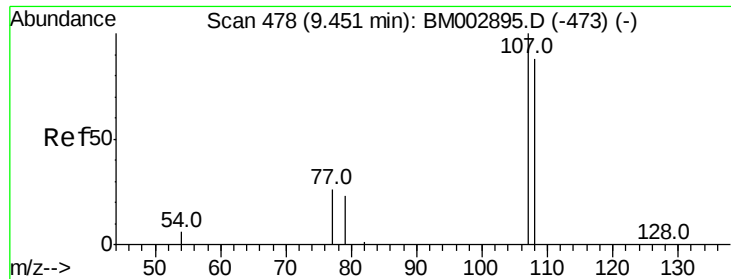
Delta R.T. 0.00 min

Lab File: BM002901.D

Acq: 14 Oct 2015 16:38

Tgt Ion:	107	Resp:	14944
Ion Ratio	Lower	Upper	
107	100		
108	114.5	100.9	151.3
77	35.4	20.3	30.5#
79	37.1	22.8	34.2#





#7

3+4-Methylphenols

Concen: 0.87 ng

RT: 9.45 min Scan# 478

Delta R.T. 0.00 min

Lab File: BM002901.D

Acq: 14 Oct 2015 16:38

Tot Ion	107	Resp	18709
Ion Ratio	Lower	Upper	
107	100		
108	83.4	86.3	126.3#
77	30.0	151.7	191.7#
79	25.7	7.4	47.4

Instrument :

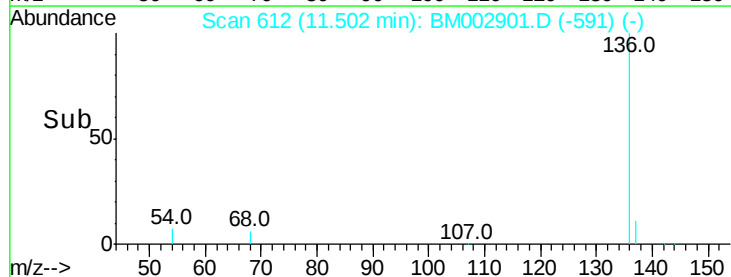
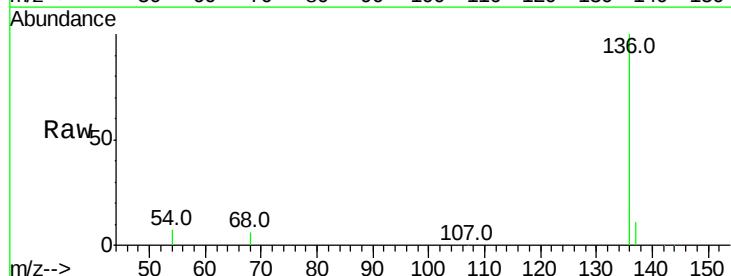
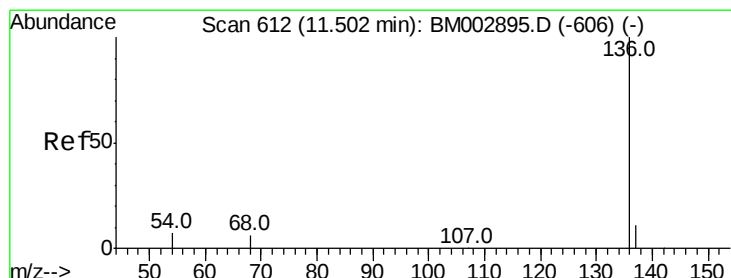
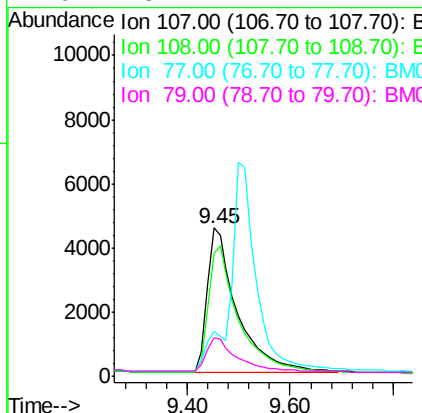
BNA_M

ClientSampleId :

SSTDCCC001

Manual Integrations
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#8

Naphthalene-d8

Concen: 5.00 ng

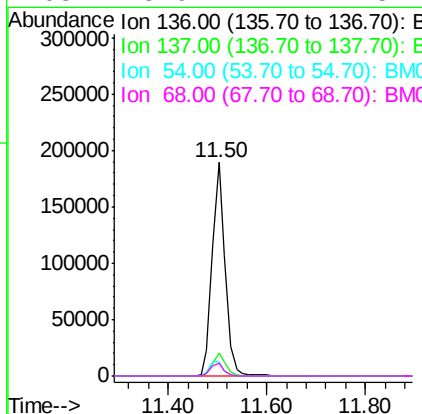
RT: 11.50 min Scan# 612

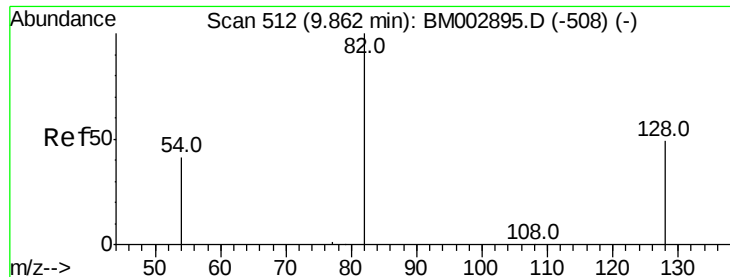
Delta R.T. 0.00 min

Lab File: BM002901.D

Acq: 14 Oct 2015 16:38

Tgt Ion	136	Resp	346851
Ion Ratio	Lower	Upper	
136	100		
137	10.8	9.1	13.7
54	6.8	2.6	3.8#
68	5.9	2.2	3.2#





#9

Nitrobenzene-d5

Concen: 0.92 ng

RT: 9.86 min Scan# 512

Delta R.T. 0.00 min

Lab File: BM002901.D

Acq: 14 Oct 2015 16:38

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001

Tot Ion: 82 Resp: 17583

Ion Ratio Lower Upper

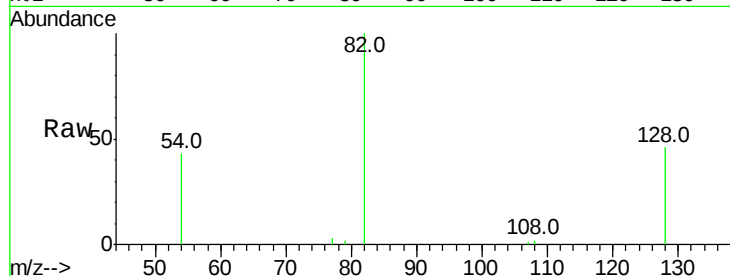
82 100

128 52.4 0.0 0.0#

54 52.0 59.0 88.6#

Manual Integrations
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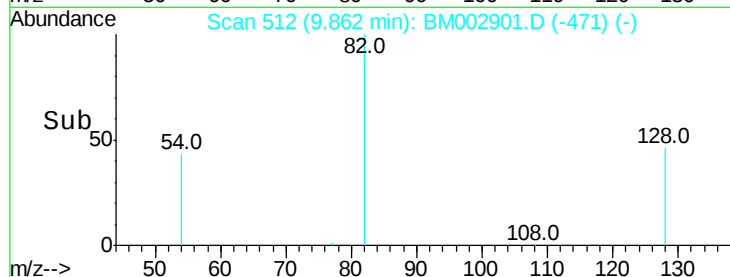


Abundance Ion 82.00 (81.70 to 82.70): BM002901.D (-508) (-)

Ion 128.00 (127.70 to 128.70): BM002901.D (-508) (-)

Ion 54.00 (53.70 to 54.70): BM002901.D (-508) (-)

Time-->



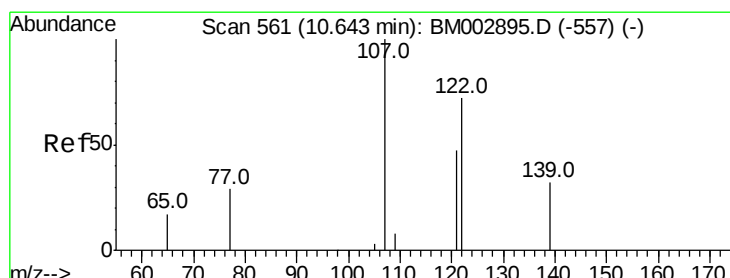
Abundance

Ion 82.00 (81.70 to 82.70): BM002901.D (-508) (-)

Ion 128.00 (127.70 to 128.70): BM002901.D (-508) (-)

Ion 54.00 (53.70 to 54.70): BM002901.D (-508) (-)

Time-->



#10

2-Nitrophenol

Concen: 0.84 ng

RT: 10.64 min Scan# 561

Delta R.T. 0.00 min

Lab File: BM002901.D

Acq: 14 Oct 2015 16:38

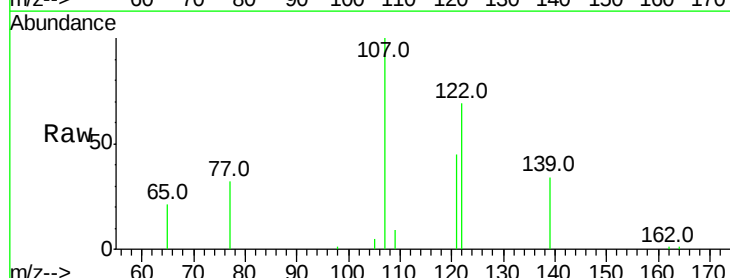
Tgt Ion: 139 Resp: 7310

Ion Ratio Lower Upper

139 100

109 26.6 19.5 29.3

65 59.9 18.6 28.0#

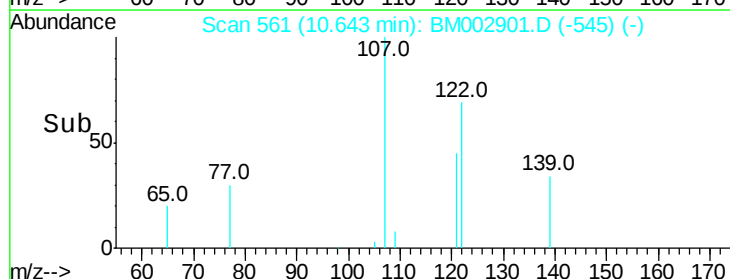


Abundance Ion 139.00 (138.70 to 139.70): BM002901.D (-557) (-)

Ion 109.00 (108.70 to 109.70): BM002901.D (-557) (-)

Ion 65.00 (64.70 to 65.70): BM002901.D (-557) (-)

Time-->



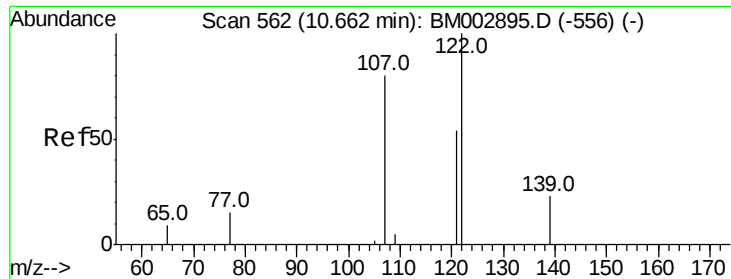
Abundance

Ion 139.00 (138.70 to 139.70): BM002901.D (-557) (-)

Ion 109.00 (108.70 to 109.70): BM002901.D (-557) (-)

Ion 65.00 (64.70 to 65.70): BM002901.D (-557) (-)

Time-->



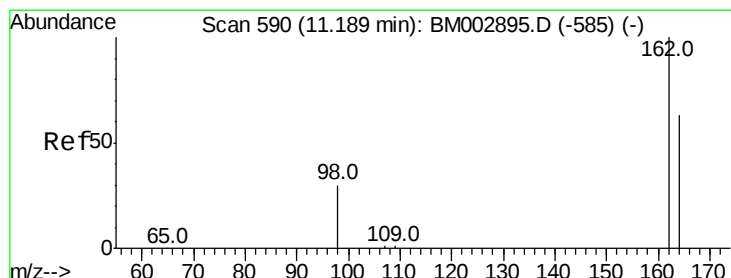
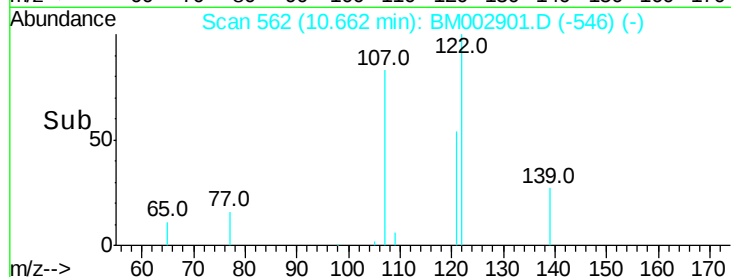
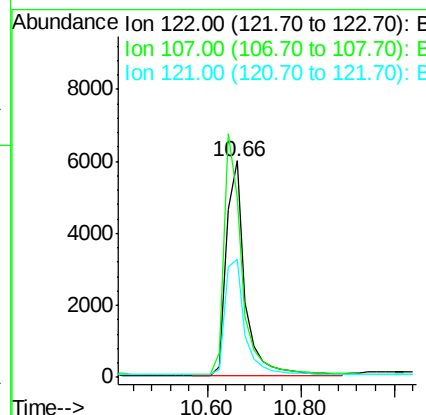
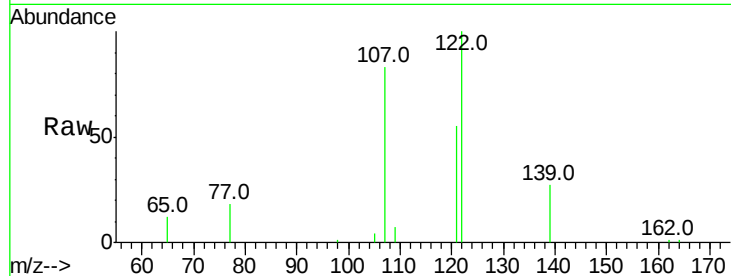
#11
2,4-Dimethylphenol
Concen: 0.88 ng
RT: 10.66 min Scan# 562
Delta R.T. 0.00 min
Lab File: BM002901.D
Acq: 14 Oct 2015 16:38

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

Tot Ion	Ratio	Lower	Upper
122	100		
107	83.1	68.6	102.8
121	54.7	44.8	67.2

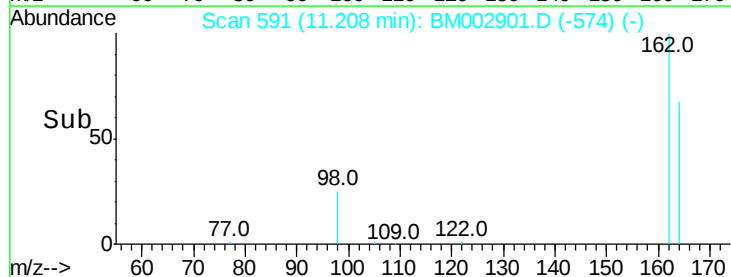
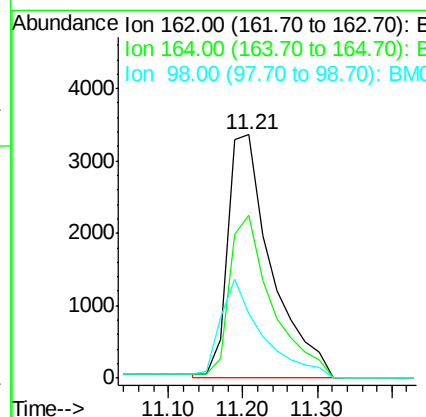
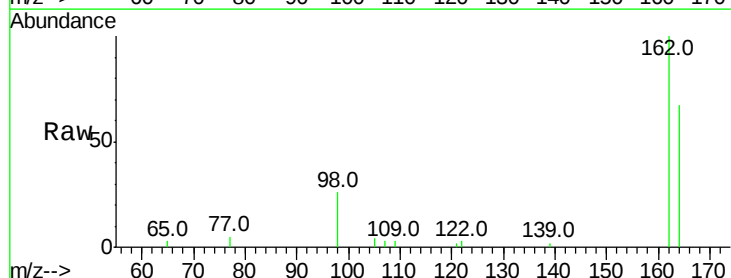
Manual Integrations
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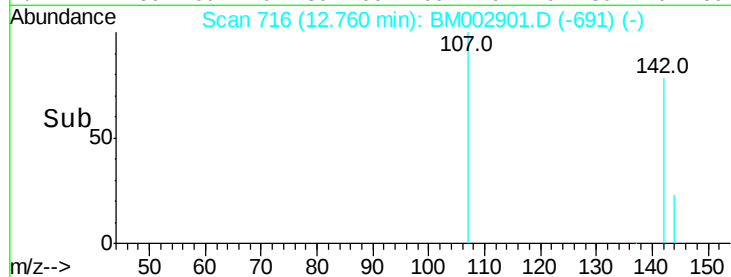
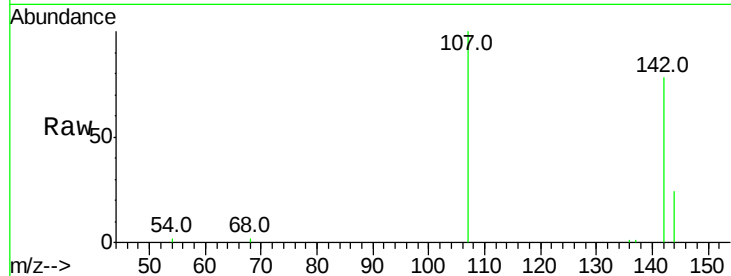
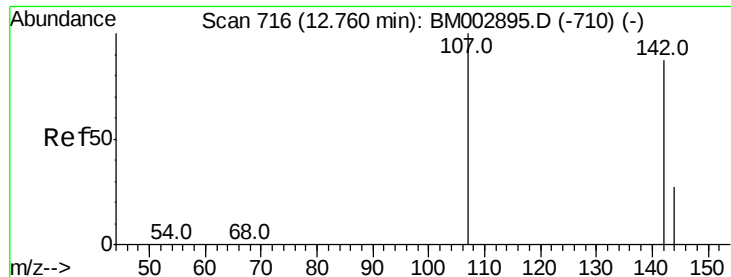
MMdadoda
10/15/2015 5:29:47 PM



#12
2,4-Dichlorophenol
Concen: 0.89 ng
RT: 11.21 min Scan# 591
Delta R.T. 0.02 min
Lab File: BM002901.D
Acq: 14 Oct 2015 16:38

Tgt Ion	Ratio	Lower	Upper
162	100		
164	67.1	49.2	89.2
98	26.5	0.0	37.4





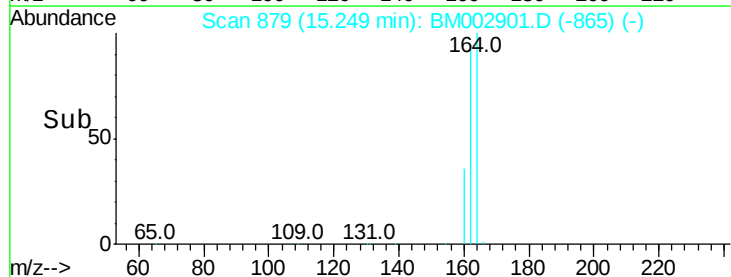
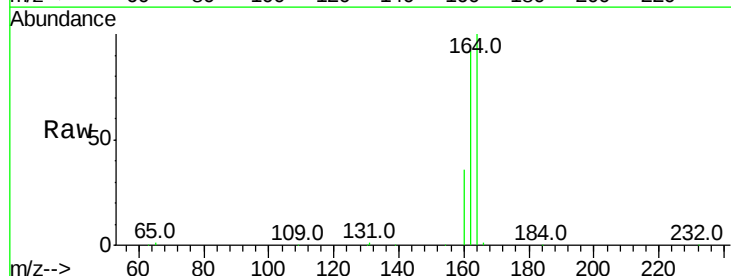
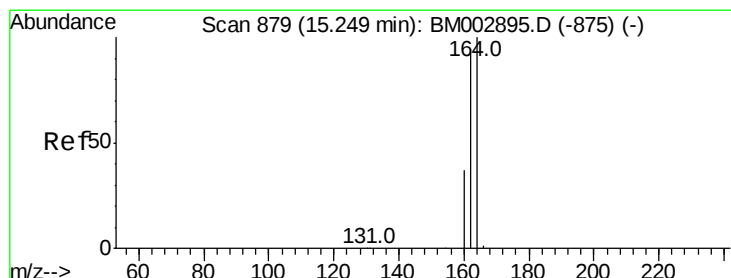
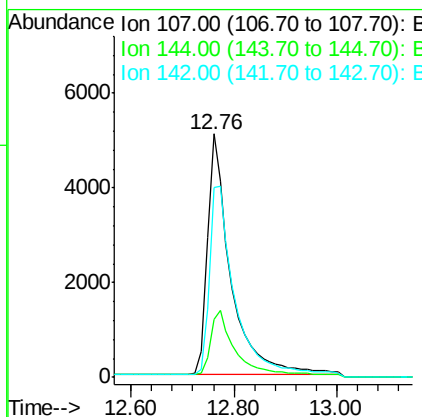
#13
4-Chloro-3-methylphenol
Concen: 0.85 ng
RT: 12.76 min Scan# 716
Delta R.T. 0.00 min
Lab File: BM002901.D
Acq: 14 Oct 2015 16:38

Tot Ion	Ratio	Lower	Upper
107	100		
144	24.0	16.2	24.2
142	77.8	49.8	74.6

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

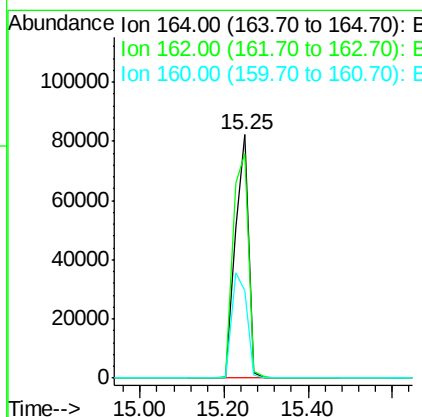
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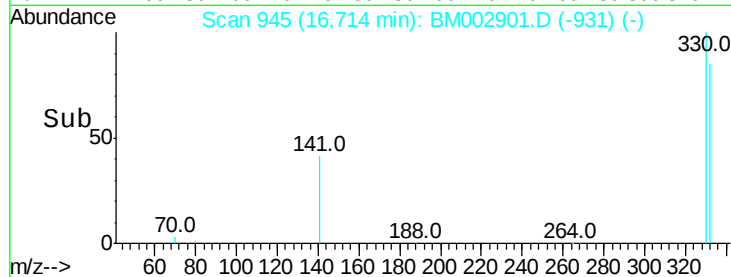
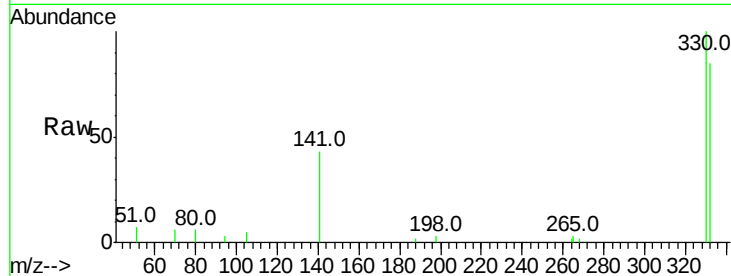
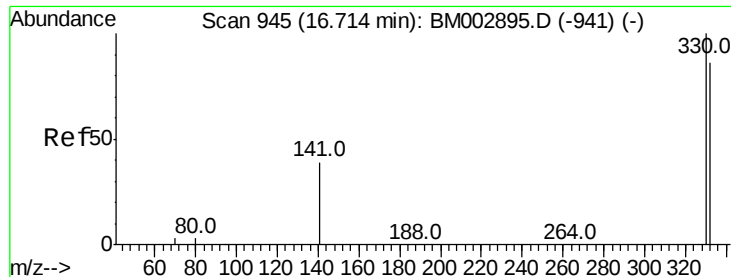
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#14
Acenaphthene-d10
Concen: 5.00 ng
RT: 15.25 min Scan# 879
Delta R.T. 0.00 min
Lab File: BM002901.D
Acq: 14 Oct 2015 16:38

Tgt Ion	Ratio	Lower	Upper
164	100		
162	92.3	79.2	118.8
160	36.2	33.7	50.5





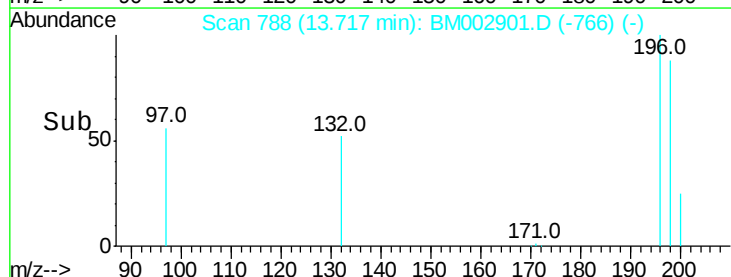
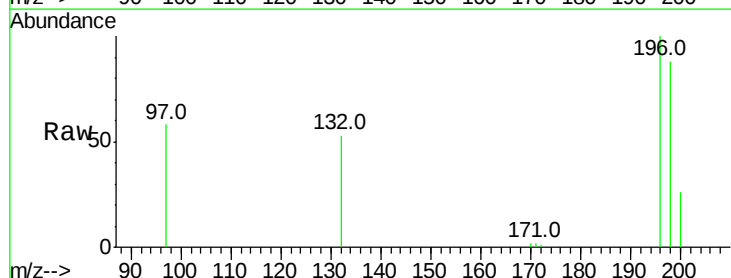
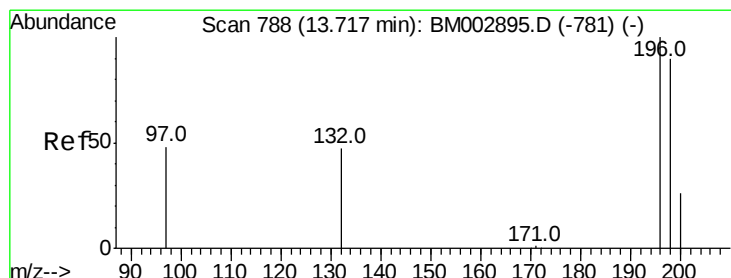
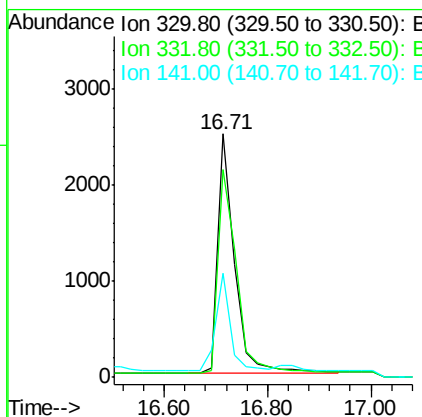
#15
 2,4,6-Tribromophenol
 Concen: 0.84 ng
 RT: 16.71 min Scan# 945
 Delta R.T. 0.00 min
 Lab File: BM002901.D
 Acq: 14 Oct 2015 16:38

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.0	74.0	111.0	
141	35.1	24.1	36.1	

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001

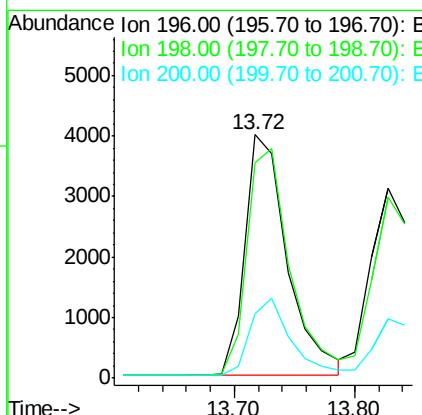
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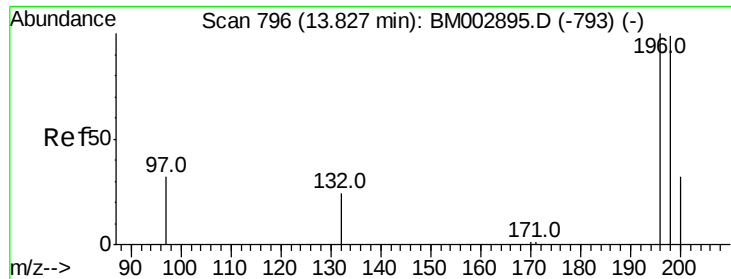
MMdadoda
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#16
 2,4,6-Trichlorophenol
 Concen: 0.82 ng
 RT: 13.72 min Scan# 788
 Delta R.T. 0.00 min
 Lab File: BM002901.D
 Acq: 14 Oct 2015 16:38

Tgt Ion	Ratio	Resp	Lower	Upper
196	100			
198	88.4	54.2	81.2#	
200	26.2	17.1	25.7#	





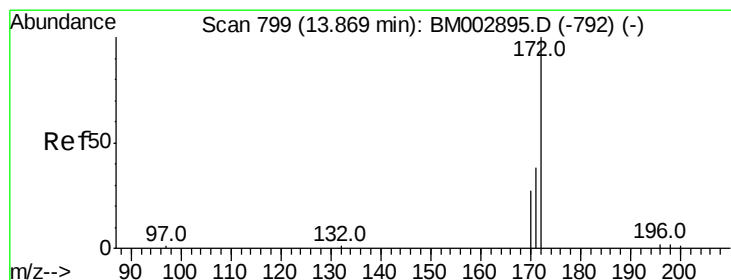
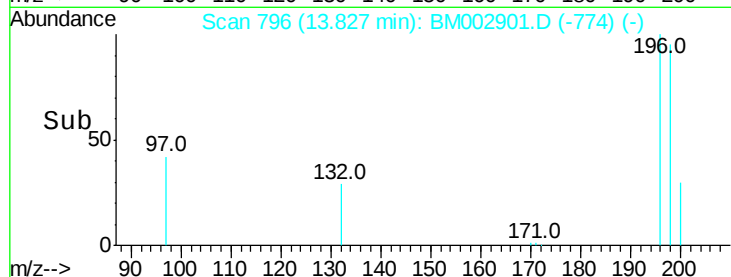
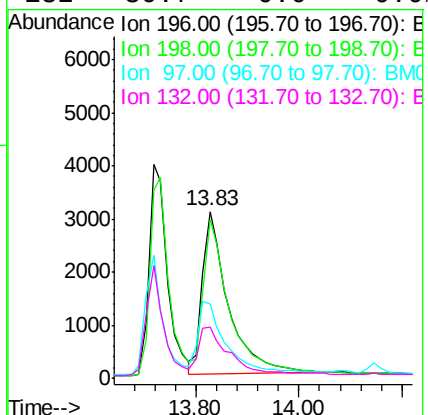
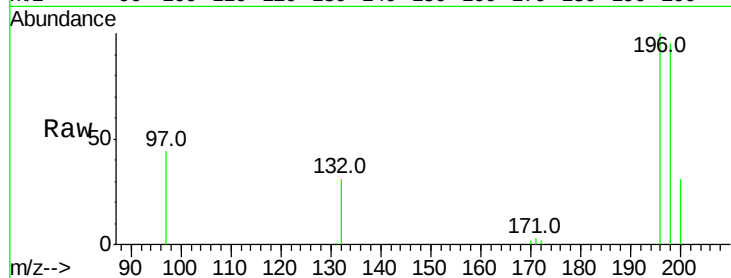
#17
 2,4,5-Trichlorophenol
 Concen: 0.86 ng
 RT: 13.83 min Scan# 796
 Delta R.T. 0.00 min
 Lab File: BM002901.D
 Acq: 14 Oct 2015 16:38

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001

Tot Ion	Ratio	Lower	Upper
196	100		
198	95.2	73.6	110.4
97	44.2	0.0	0.0#
132	30.7	0.0	0.0#

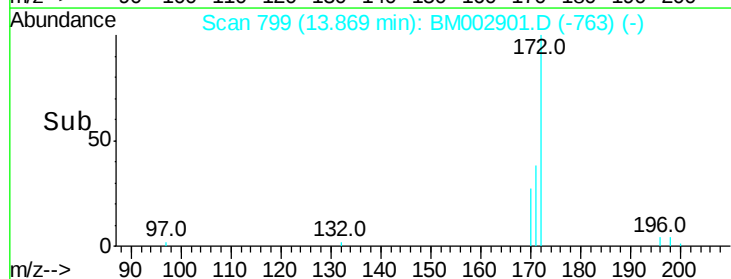
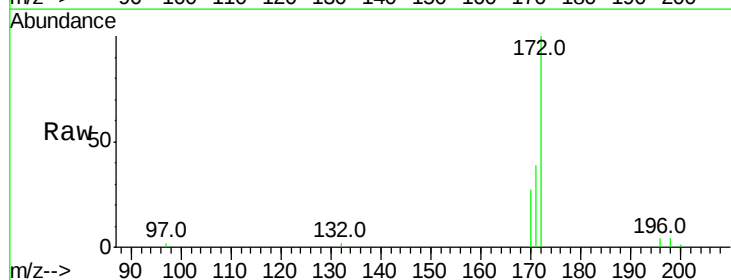
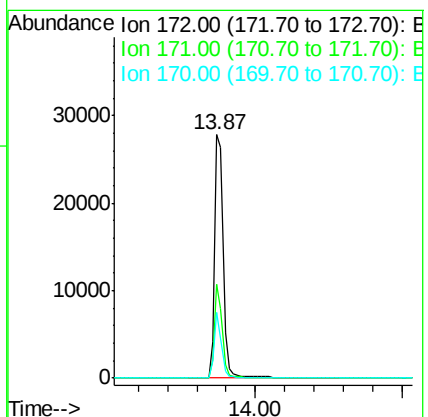
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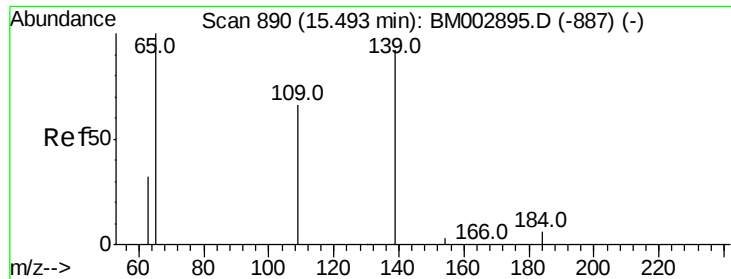
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#18
 2-Fluorobiphenyl
 Concen: 0.93 ng
 RT: 13.87 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: BM002901.D
 Acq: 14 Oct 2015 16:38

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	0.0	0.0#
170	23.0	0.0	0.0#





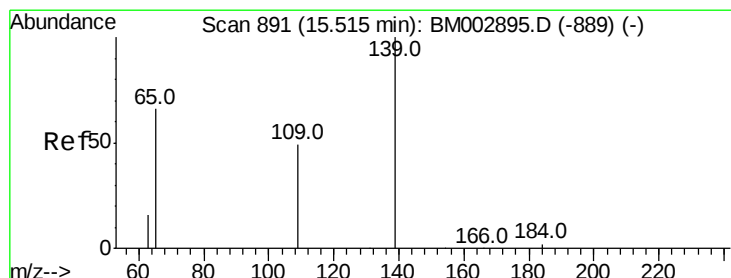
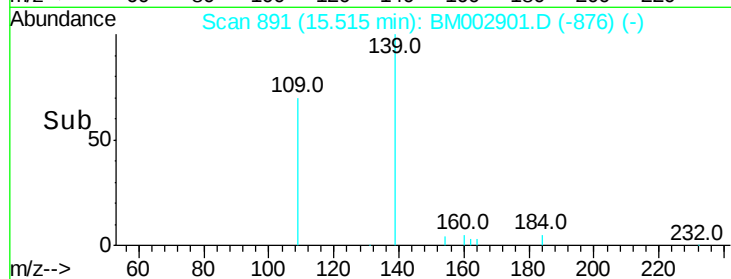
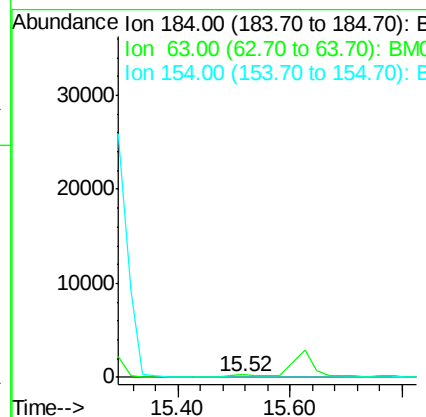
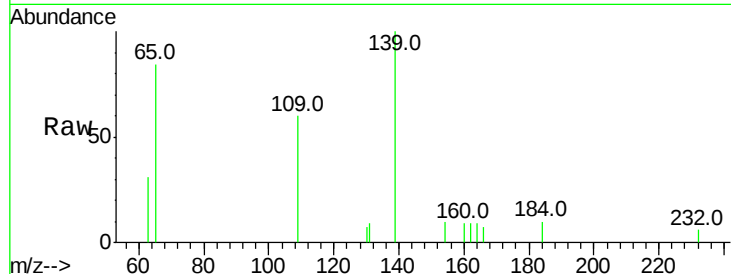
#19
2,4-Dinitrophenol
Concen: 0.84 ng
RT: 15.52 min Scan# 891
Delta R.T. 0.02 min
Lab File: BM002901.D
Acq: 14 Oct 2015 16:38

Instrument :
BNA_M
ClientSampleId :
SSTDCCC001

Tot Ion	Ratio	Lower	Upper
184	100		
63	307.2	52.0	78.0#
154	98.8	51.4	77.2#

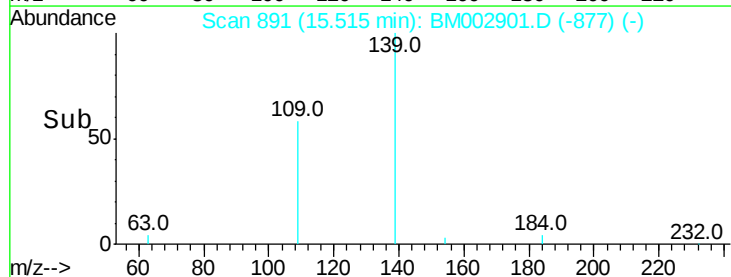
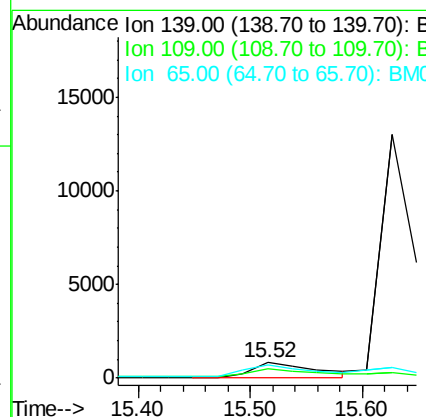
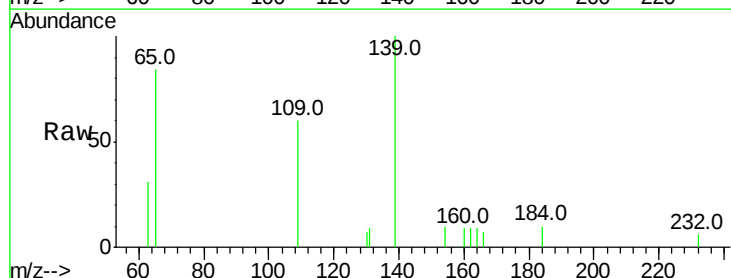
Manual Integrations
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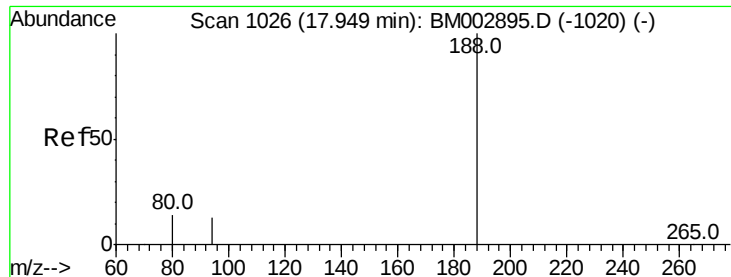
MMdadoda
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#20
4-Nitrophenol
Concen: 0.85 ng
RT: 15.52 min Scan# 891
Delta R.T. 0.00 min
Lab File: BM002901.D
Acq: 14 Oct 2015 16:38

Tgt Ion	Ratio	Lower	Upper
139	100		
109	59.6	60.0	100.0#
65	84.1	85.7	125.7#





#21

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.95 min Scan# 1026

Delta R.T. 0.00 min

Lab File: BM002901.D

Acq: 14 Oct 2015 16:38

Instrument :

BNA_M

ClientSampleId :

SSTDCCC001

Tot Ion:188 Resp: 423757

Ion Ratio Lower Upper

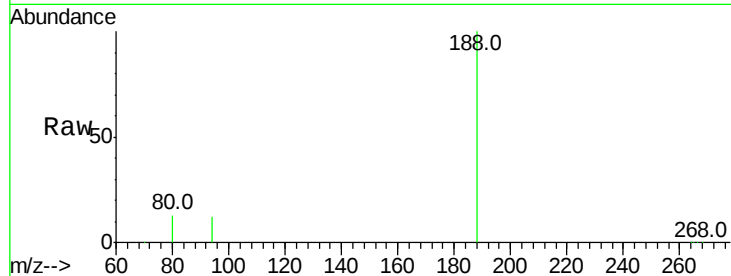
188 100

94 12.4 2.9 4.3#

80 13.4 2.5 3.7#

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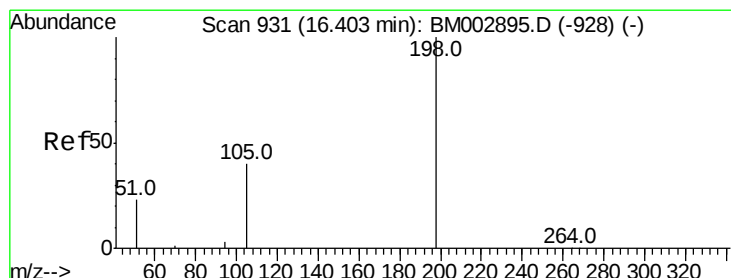
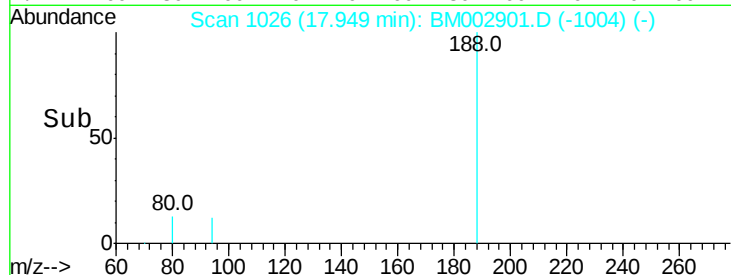
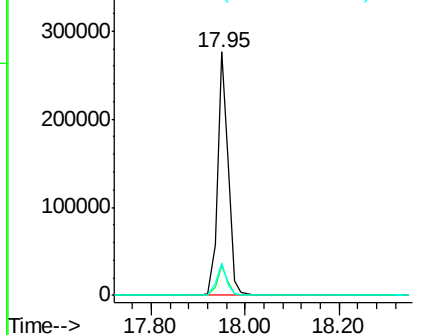
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0



#22

4,6-Dinitro-2-methylphenol

Concen: 0.87 ng

RT: 16.40 min Scan# 931

Delta R.T. 0.00 min

Lab File: BM002901.D

Acq: 14 Oct 2015 16:38

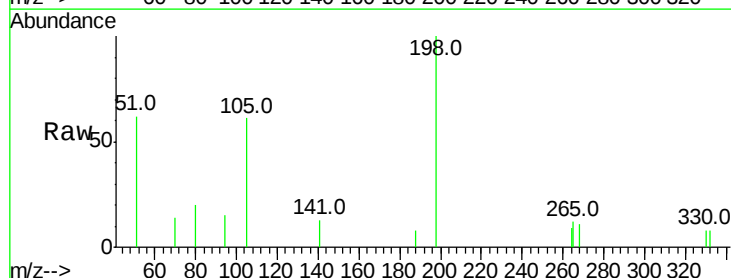
Tgt Ion:198 Resp: 2125

Ion Ratio Lower Upper

198 100

51 62.1 60.8 100.8

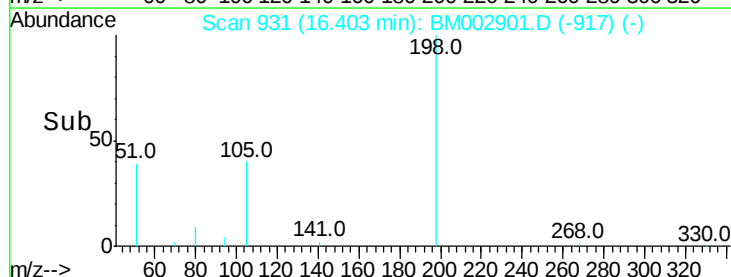
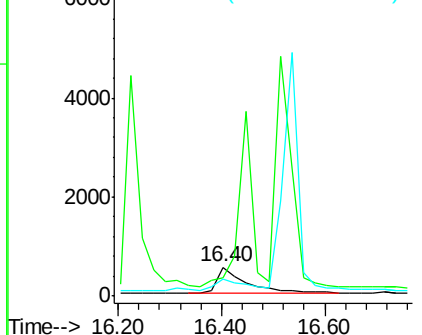
105 60.5 30.0 70.0

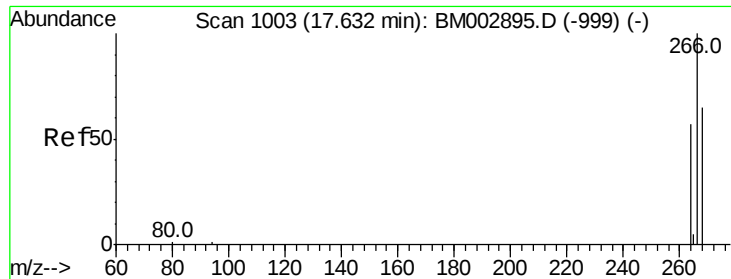


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BM0

Ion 105.00 (104.70 to 105.70): E





#23

Pentachlorophenol

Concen: 0.96 ng

RT: 17.63 min Scan# 1003

Delta R.T. 0.00 min

Lab File: BM002901.D

Acq: 14 Oct 2015 16:38

Instrument :

BNA_M

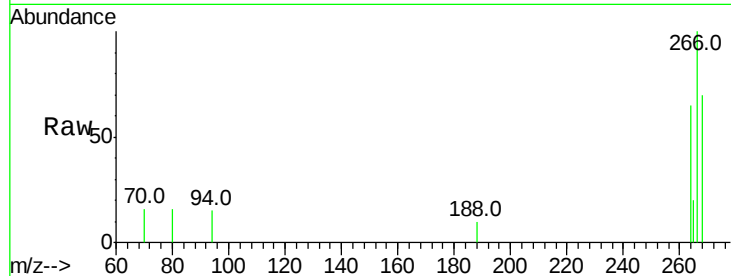
ClientSampleId :

SSTDCCC001

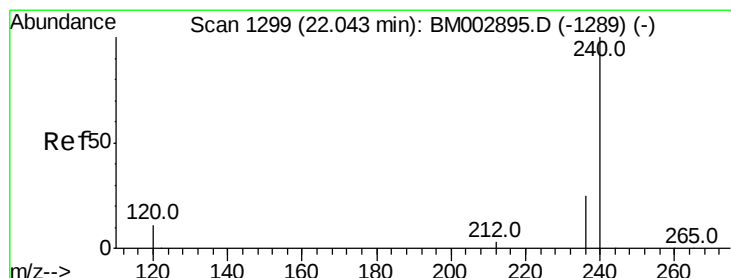
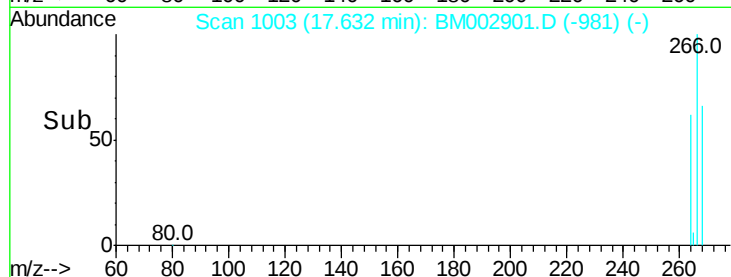
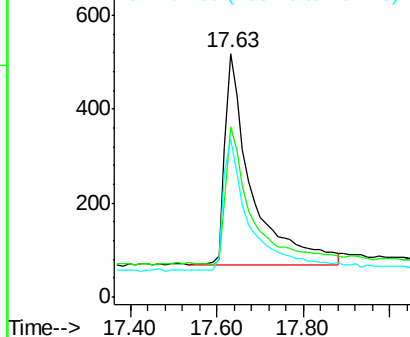
Tot Ion:	266	Resp:	1927
Ion Ratio	Lower	Upper	
266	100		
268	70.3	62.6	94.0
264	64.7	47.9	71.9

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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



#24

Chrysene-d12

Concen: 5.00 ng

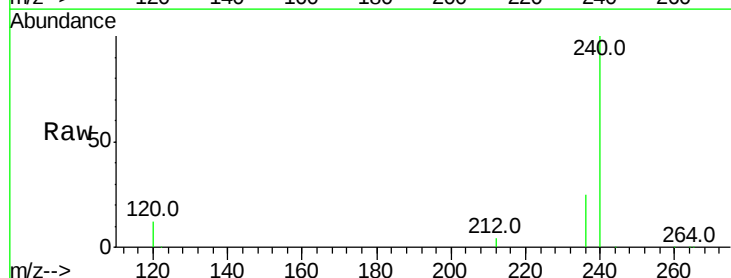
RT: 22.04 min Scan# 1299

Delta R.T. 0.00 min

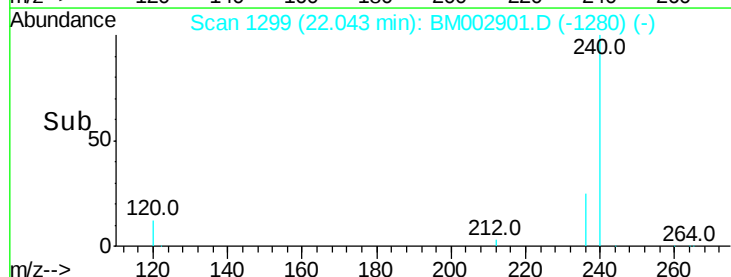
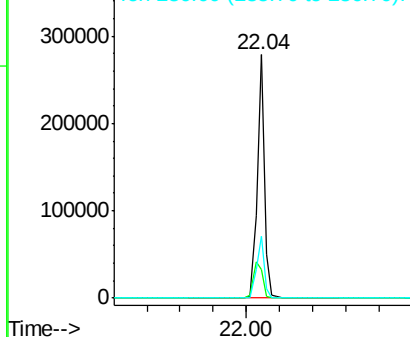
Lab File: BM002901.D

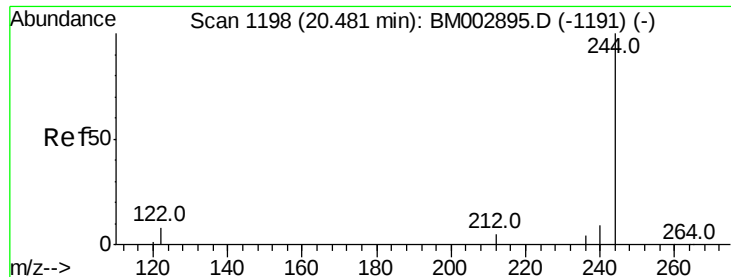
Acq: 14 Oct 2015 16:38

Tgt Ion:	240	Resp:	402130
Ion Ratio	Lower	Upper	
240	100		
120	11.9	10.4	15.6
236	25.4	22.0	33.0



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





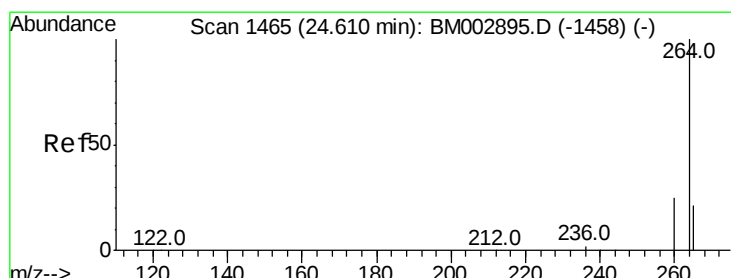
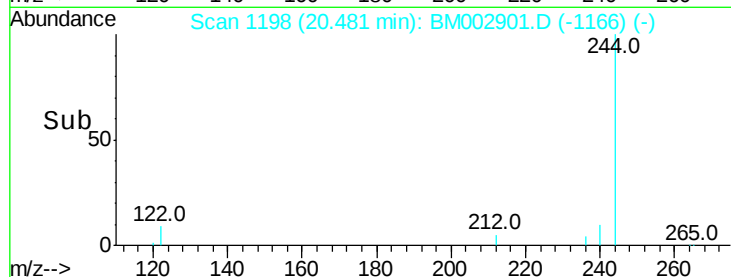
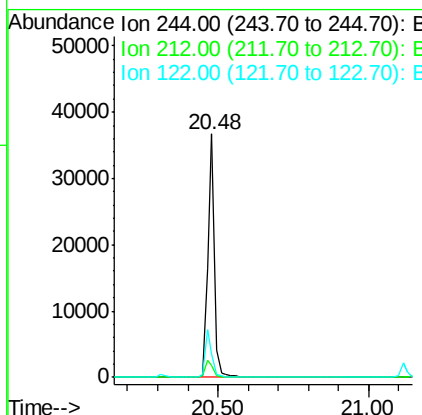
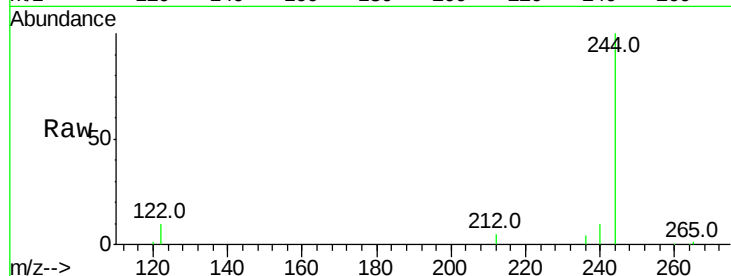
#25
 Terphenyl-d14
 Concen: 0.90 ng
 RT: 20.48 min Scan# 1198
 Delta R.T. 0.00 min
 Lab File: BM002901.D
 Acq: 14 Oct 2015 16:38

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC001

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.1	7.3	10.9
122	19.5	14.8	22.2

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#26
 Perylene-d12
 Concen: 5.00 ng
 RT: 24.61 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: BM002901.D
 Acq: 14 Oct 2015 16:38

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.7	29.5
265	21.8	17.4	26.2

