

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM122018\
 Data File : BM018349.D
 Acq On : 21 Dec 2018 02:37
 Operator : JU/SJ
 Sample : J6347-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 P001-SD002-0612-01

Manual Integrations
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 12/21/2018 2:49:46 PM

Quant Time: Dec 21 03:57:35 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM121518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 15 21:39:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.49	152	172898	20.00	ng	-0.02
21) Naphthalene-d8	10.26	136	711983	20.00	ng	-0.01
39) Acenaphthene-d10	14.15	164	365739	20.00	ng	-0.01
64) Phenanthrene-d10	16.92	188	645422	20.00	ng	0.00
76) Chrysene-d12	21.14	240	647378	20.00	ng	0.00
87) Perylene-d12	23.31	264	690070	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.18	112	1909058m	184.45	ng	0.05
7) Phenol-d6	6.72	99	2283644	158.74	ng	0.01
23) Nitrobenzene-d5	8.65	82	1441187	103.83	ng	-0.01
42) 2,4,6-Tribromophenol	15.67	330	618684	115.25	ng	0.00
45) 2-Fluorobiphenyl	12.76	172	2710912	96.00	ng	-0.01
79) Terphenyl-d14	19.57	244	2708546	94.62	ng	0.00

Target Compounds

						Qvalue
10) Phenol	6.74	94	237040	15.559	ng	96
12) 1,3-Dichlorobenzene	7.37	146	90075	6.596	ng	# 92
13) 1,4-Dichlorobenzene	7.53	146	1058237	76.314	ng	100
14) 1,2-Dichlorobenzene	7.83	146	335692	25.112	ng	97
20) 3+4-Methylphenols	8.29	107	93074	6.529	ng	# 65
30) 1,2,4-Trichlorobenzene	10.13	180	987725	79.885	ng	93
31) Naphthalene	10.32	128	4523100	129.921	ng	99
37) 2-Methylnaphthalene	11.94	142	3031083	123.457	ng	98
38) 1-Methylnaphthalene	12.16	142	1585615	66.185	ng	99
40) 1,2,4,5-Tetrachlorobenzene	12.31	216	57865	4.601	ng	# 93
46) 1,1'-Biphenyl	12.97	154	1095027	33.280	ng	99
50) Dimethylphthalate	13.62	163	215862	7.099	ng	99
52) Acenaphthene	14.22	154	61018	2.736	ng	# 90
58) Fluorene	15.22	166	203156	7.340	ng	# 91
71) Phenanthrene	16.96	178	1008440	28.765	ng	97
78) Pyrene	19.36	202	104470	2.708	ng	# 94
84) Bis(2-ethylhexyl)phthalate	21.06	149	85567	3.129	ng	# 92

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

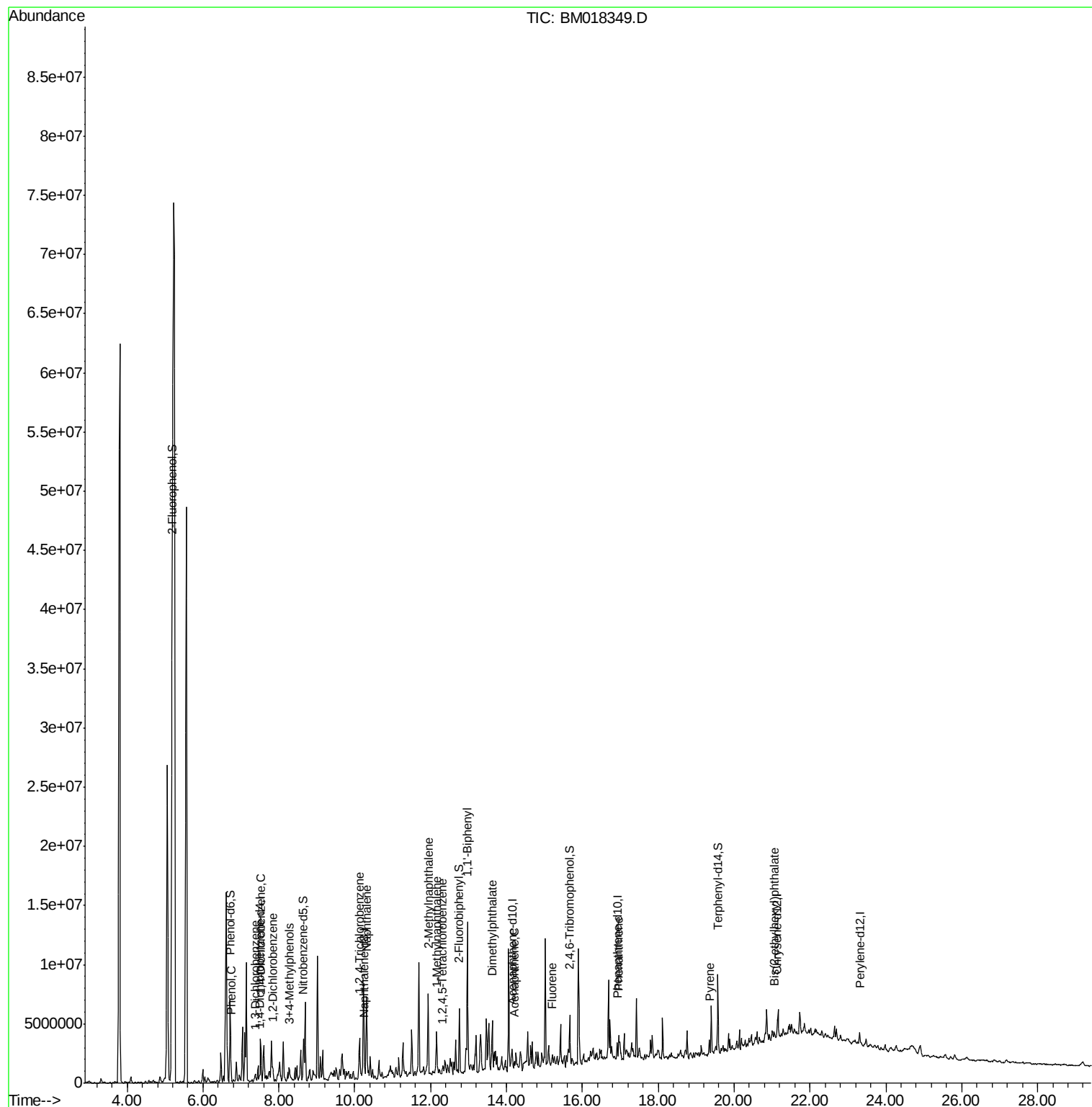
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM122018\
Data File : BM018349.D
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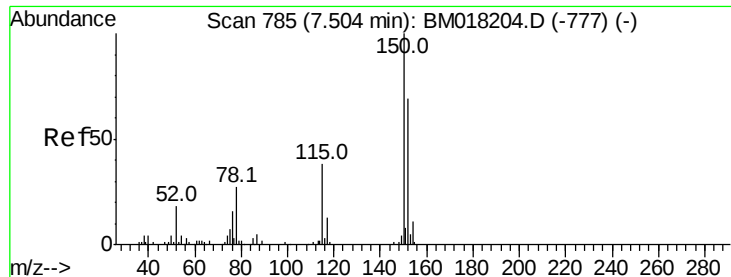
Instrument :
BNA_M
ClientSampleId :
P001-SD002-0612-01

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#1

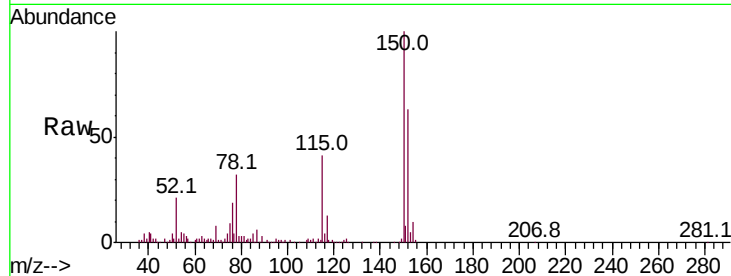
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.49 min Scan# 782
Delta R.T. -0.02 min
Lab File: BM018349.D
Acq: 21 Dec 2018 02:37

Instrument :
BNA_M
ClientSampleId :
P001-SD002-0612-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	116.1	174.1
115	65.4	44.6	67.0

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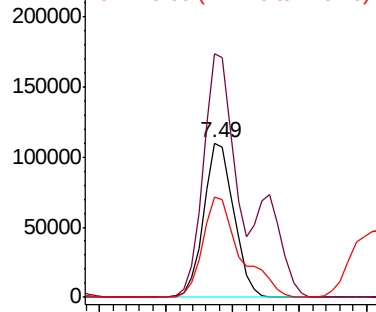


Abundance

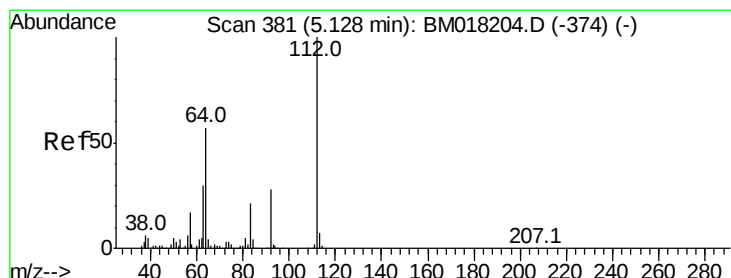
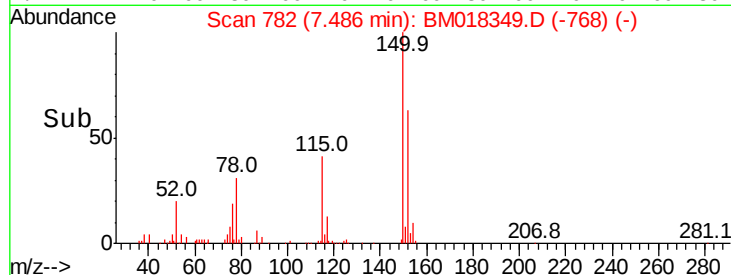
Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



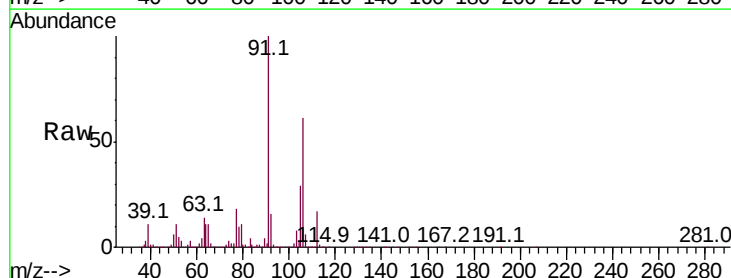
Time-->



#5

2-Fluorophenol
Concen: 184.447 ng m
RT: 5.18 min Scan# 390
Delta R.T. 0.05 min
Lab File: BM018349.D
Acq: 21 Dec 2018 02:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.4	45.4	68.2
63	81.9	24.0	36.0

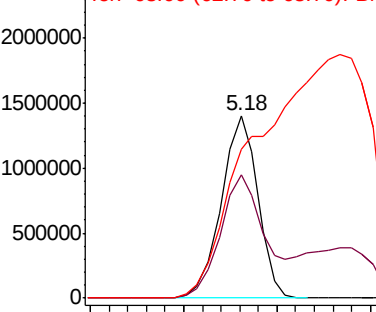


Abundance

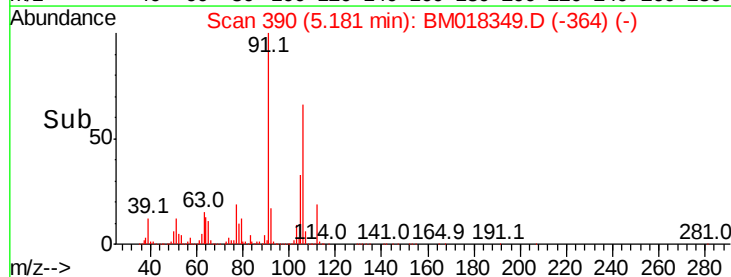
Ion 112.00 (111.70 to 112.70): E

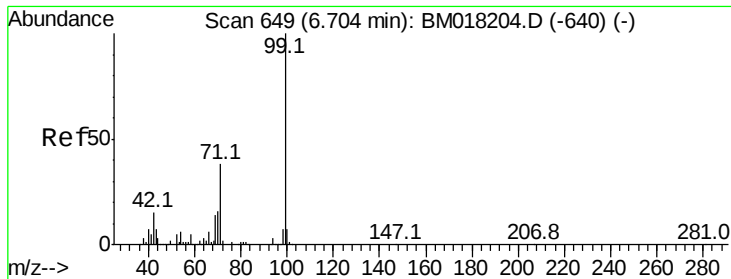
Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0



Time-->





#7

Phenol-d6

Concen: 158.742 ng

RT: 6.72 min Scan# 651

Delta R.T. 0.01 min

Lab File: BM018349.D

Acq: 21 Dec 2018 02:37

Instrument :

BNA_M

ClientSampleId :

P001-SD002-0612-01

Tot Ion: 99 Resp: 2283644

Ion Ratio Lower Upper

99 100

42 16.4 12.3 18.5

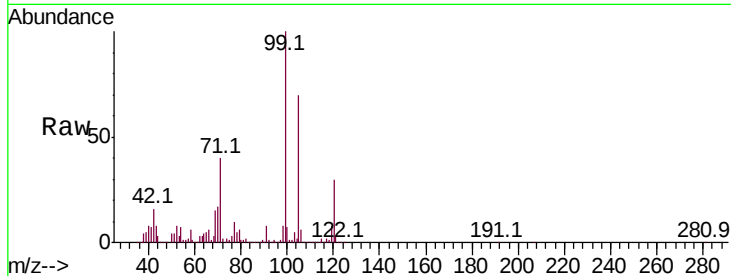
71 39.7 30.2 45.2

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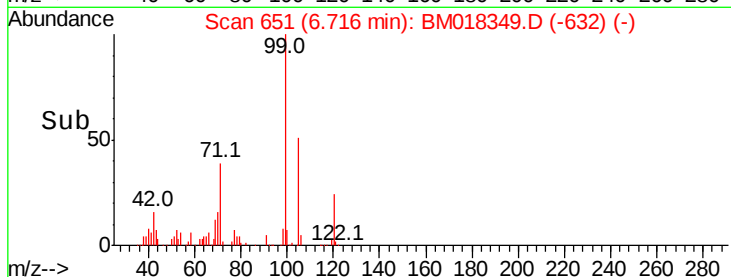
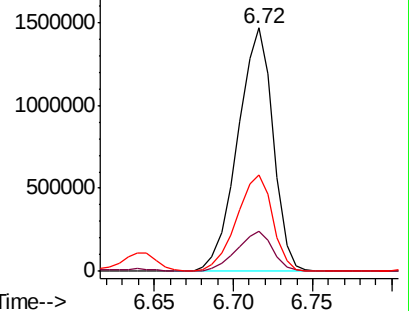
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Abundance Ion 99.00 (98.70 to 99.70): BM018204.D (-640) (-)

Ion 42.00 (41.70 to 42.70): BM018204.D (-640) (-)

Ion 71.00 (70.70 to 71.70): BM018204.D (-640) (-)



#10

Phenol

Concen: 15.559 ng

RT: 6.74 min Scan# 655

Delta R.T. 0.01 min

Lab File: BM018349.D

Acq: 21 Dec 2018 02:37

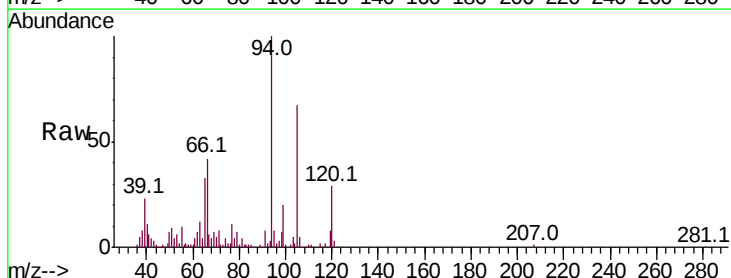
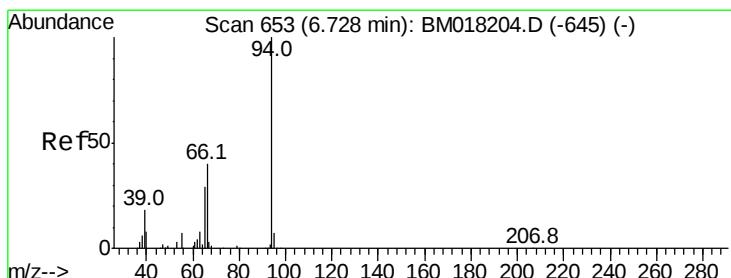
Tgt Ion: 94 Resp: 237040

Ion Ratio Lower Upper

94 100

65 33.5 9.5 49.5

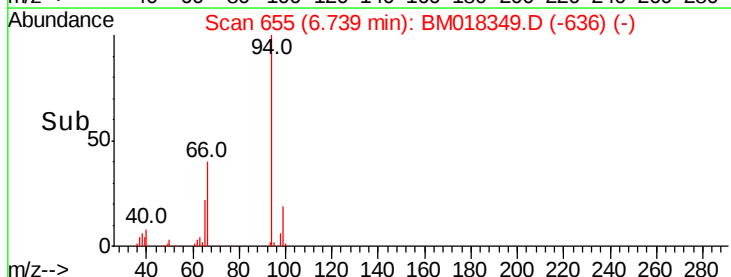
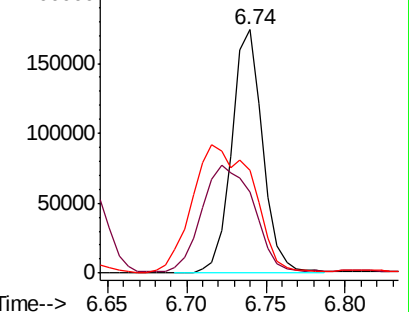
66 42.2 21.3 61.3

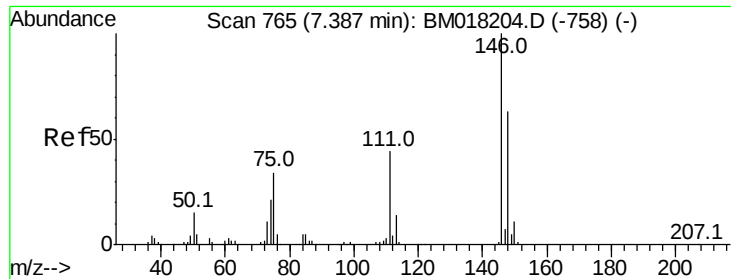


Abundance Ion 94.00 (93.70 to 94.70): BM018204.D (-645) (-)

Ion 65.00 (64.70 to 65.70): BM018204.D (-645) (-)

Ion 66.00 (65.70 to 66.70): BM018204.D (-645) (-)





#12

1,3-Dichlorobenzene

Concen: 6.596 ng

RT: 7.37 min Scan# 763

Delta R.T. -0.01 min

Lab File: BM018349.D

Acq: 21 Dec 2018 02:37

Instrument :

BNA_M

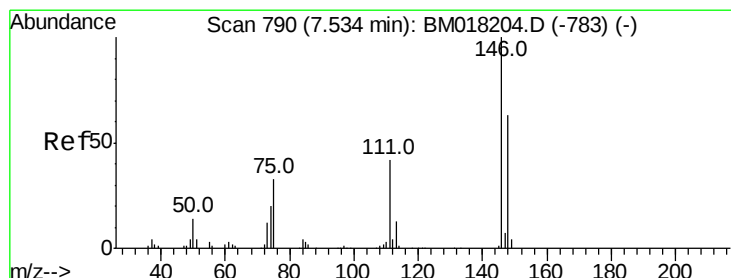
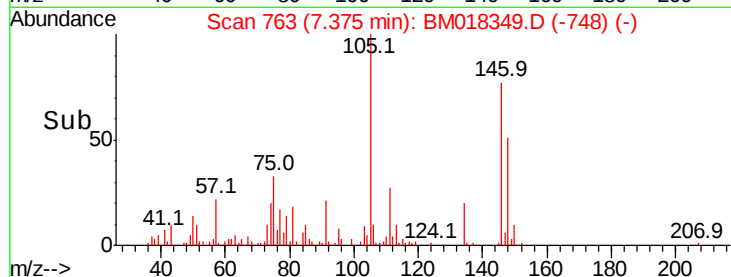
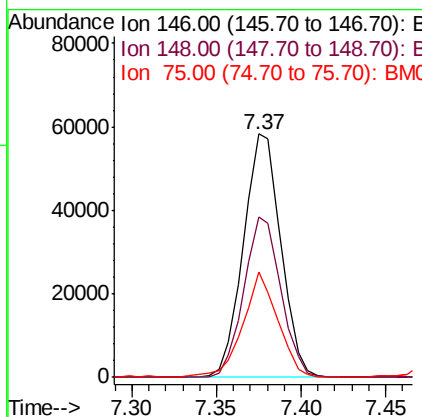
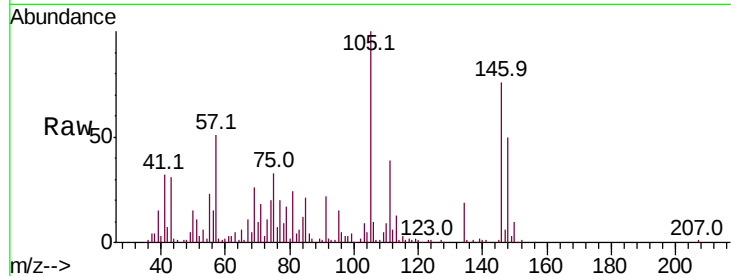
ClientSampleId :

P001-SD002-0612-01

Tot Ion:	146	Resp:	90075
Ion Ratio	Lower	Upper	
146	100		
148	66.0	50.6	76.0
75	43.5	27.0	40.4#

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#13

1,4-Dichlorobenzene

Concen: 76.314 ng

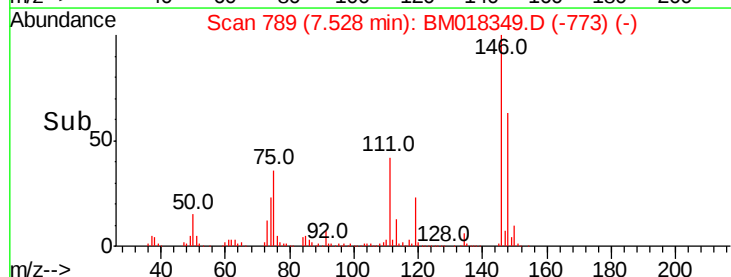
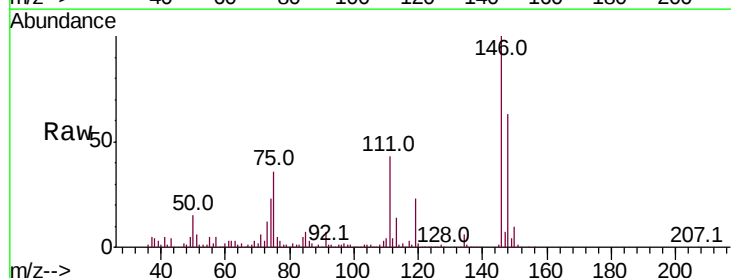
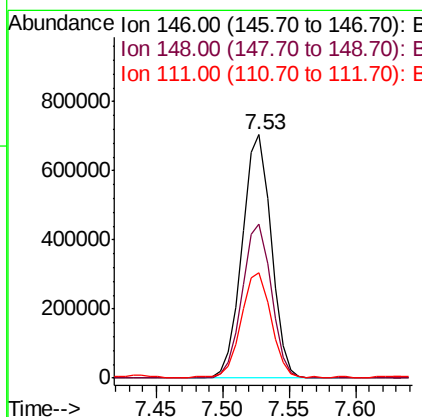
RT: 7.53 min Scan# 789

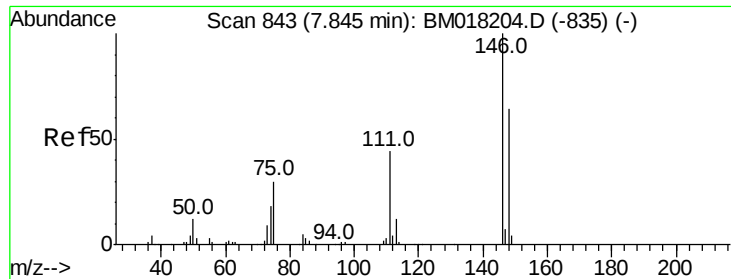
Delta R.T. -0.01 min

Lab File: BM018349.D

Acq: 21 Dec 2018 02:37

Tgt Ion:	146	Resp:	1058237
Ion Ratio	Lower	Upper	
146	100		
148	63.4	50.7	76.1
111	43.3	34.2	51.2





#14

1,2-Dichlorobenzene

Concen: 25.112 ng

RT: 7.83 min Scan# 841

Delta R.T. -0.01 min

Lab File: BM018349.D

Acq: 21 Dec 2018 02:37

Instrument :

BNA_M

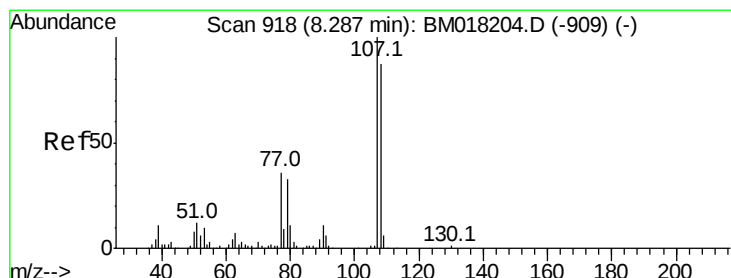
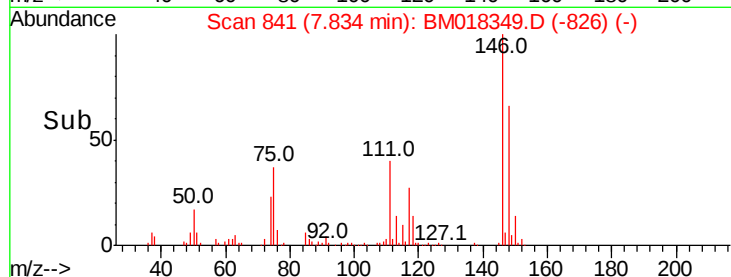
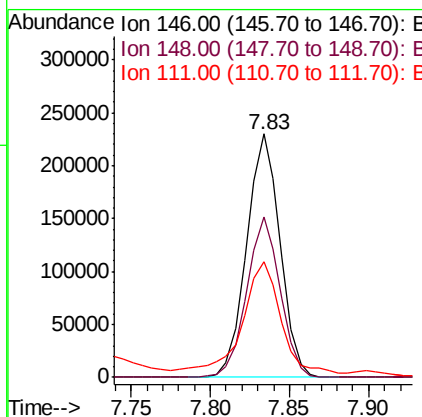
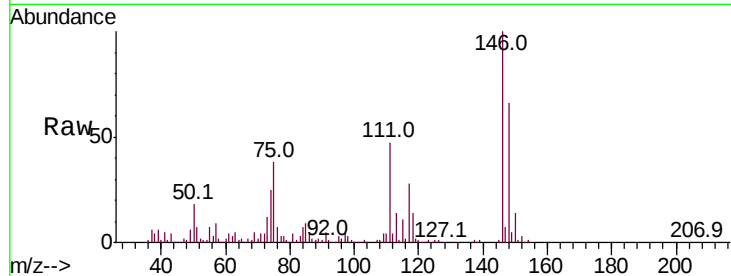
ClientSampleId :

P001-SD002-0612-01

Tot Ion:	146	Resp:	335692
Ion Ratio	Lower	Upper	
146	100		
148	65.7	51.3	76.9
111	47.5	35.8	53.8

Manual Integrations
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#20

3+4-Methylphenols

Concen: 6.529 ng

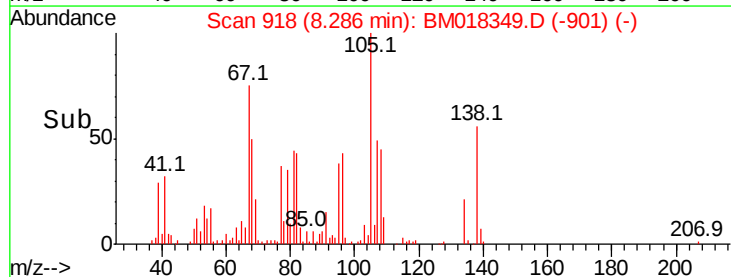
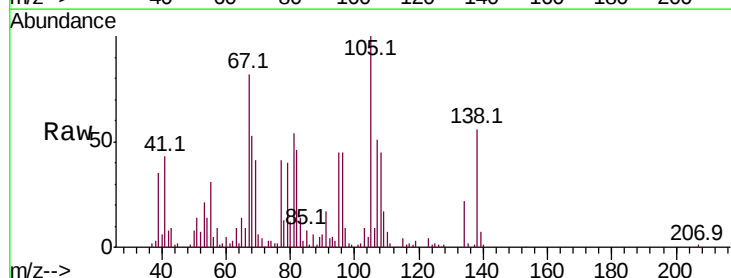
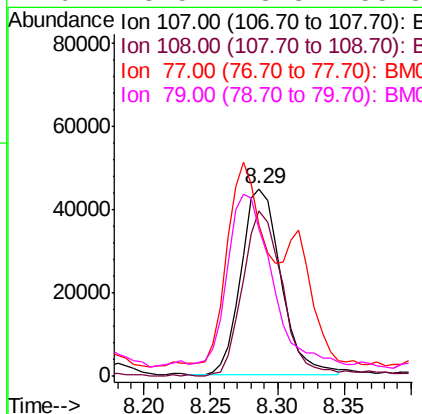
RT: 8.29 min Scan# 918

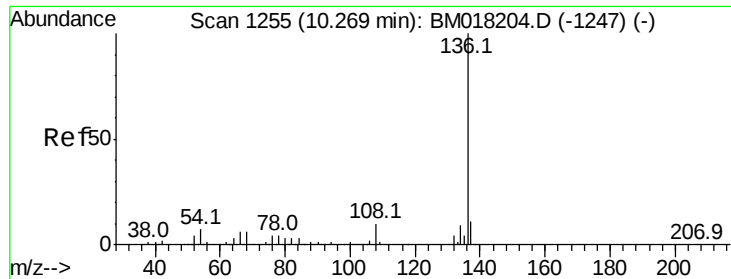
Delta R.T. -0.00 min

Lab File: BM018349.D

Acq: 21 Dec 2018 02:37

Tgt Ion:	107	Resp:	93074
Ion Ratio	Lower	Upper	
107	100		
108	88.4	67.4	107.4
77	80.9	15.7	55.7#
79	78.5	13.3	53.3#





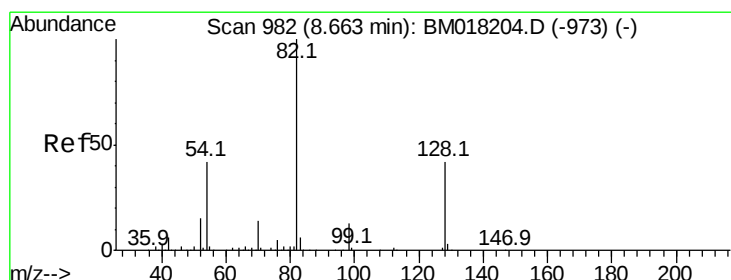
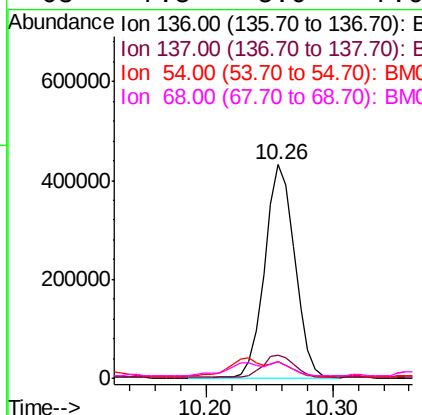
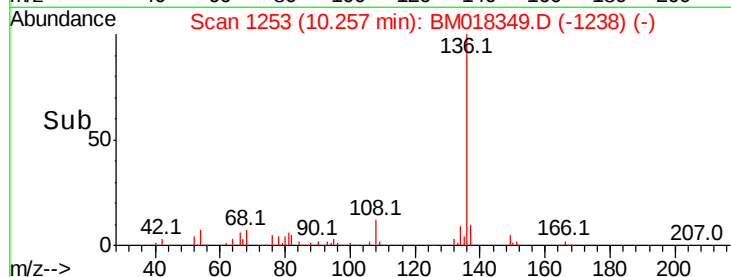
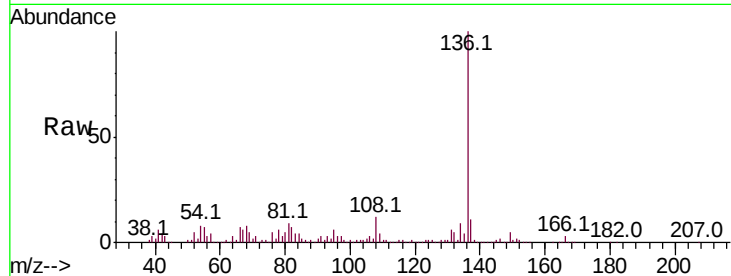
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.26 min Scan# 1253
Delta R.T. -0.01 min
Lab File: BM018349.D
Acq: 21 Dec 2018 02:37

Instrument :
BNA_M
ClientSampleId :
P001-SD002-0612-01

Tot Ion	Ratio	Resp	Lower	Upper
136	100	711983		
137	11.0	9.2	13.8	
54	7.8	5.2	7.8	
68	7.8	5.0	7.6	

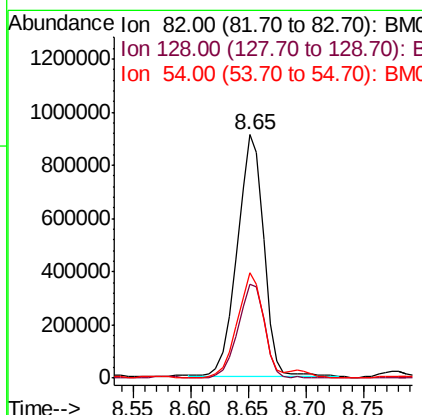
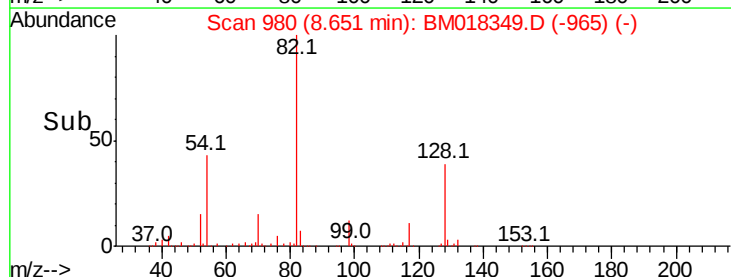
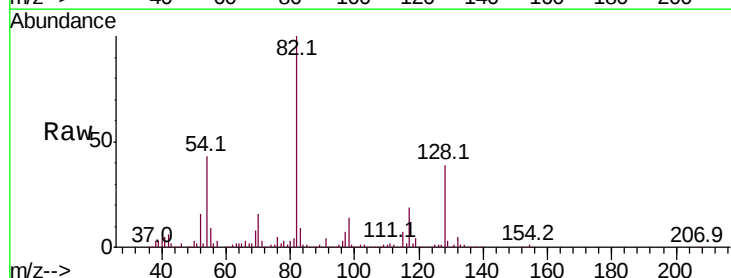
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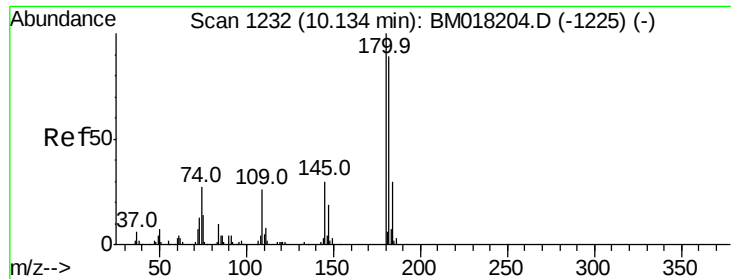
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#23
Nitrobenzene-d5
Concen: 103.828 ng
RT: 8.65 min Scan# 980
Delta R.T. -0.01 min
Lab File: BM018349.D
Acq: 21 Dec 2018 02:37

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	1441187		
128	38.7	33.4	50.2	
54	43.2	33.4	50.2	





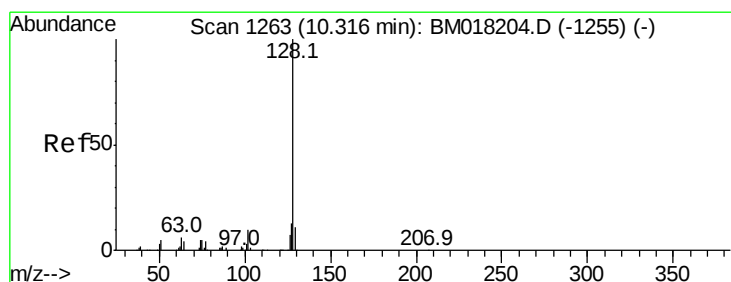
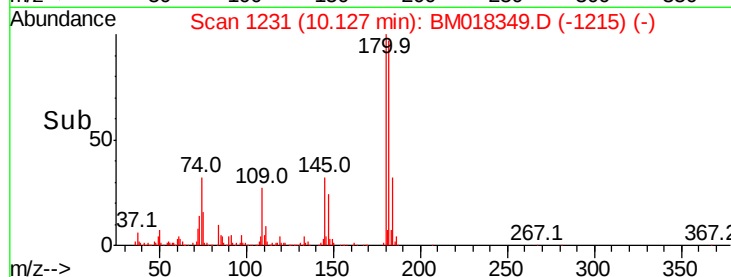
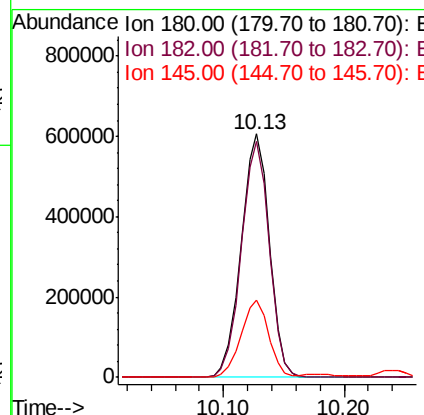
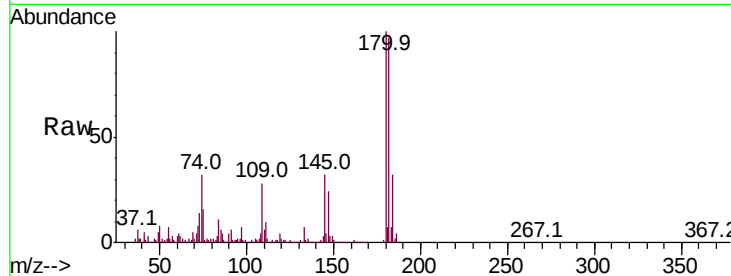
#30
1,2,4-Trichlorobenzene
Concen: 79.885 ng
RT: 10.13 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BM018349.D
Acq: 21 Dec 2018 02:37

Instrument :
BNA_M
ClientSampleId :
P001-SD002-0612-01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.9	71.4	107.2
145	31.8	24.4	36.6

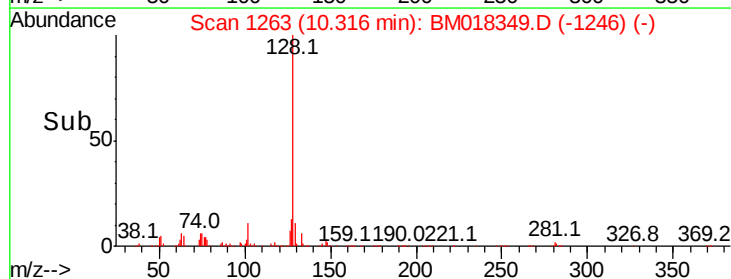
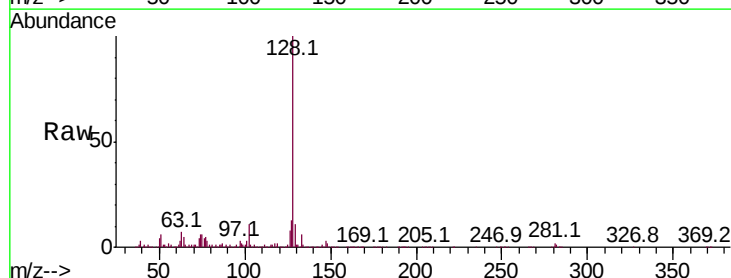
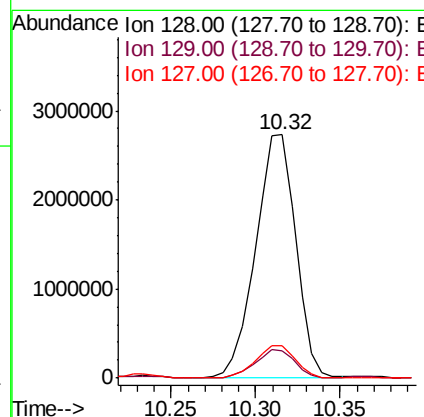
Manual Integrations
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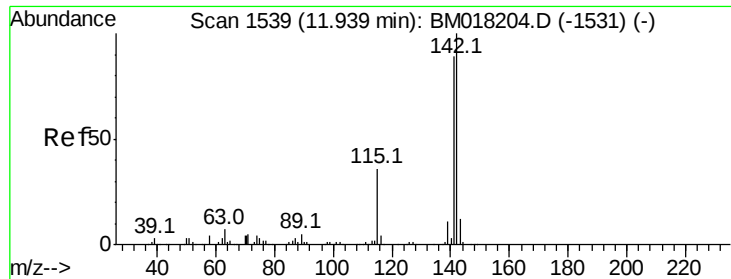
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#31
Naphthalene
Concen: 129.921 ng
RT: 10.32 min Scan# 1263
Delta R.T. -0.00 min
Lab File: BM018349.D
Acq: 21 Dec 2018 02:37

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.9	13.3
127	13.3	10.4	15.6





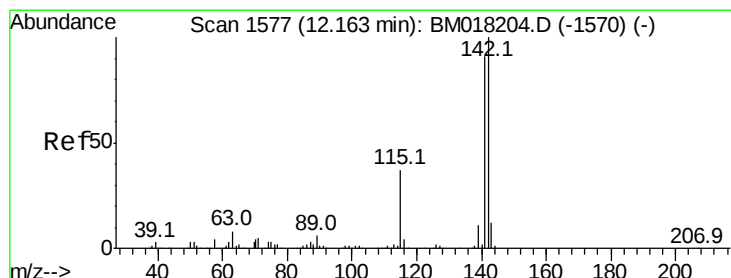
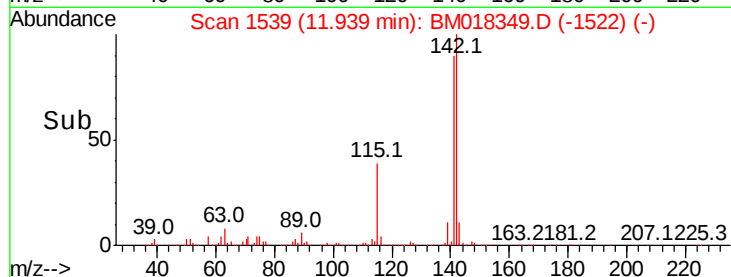
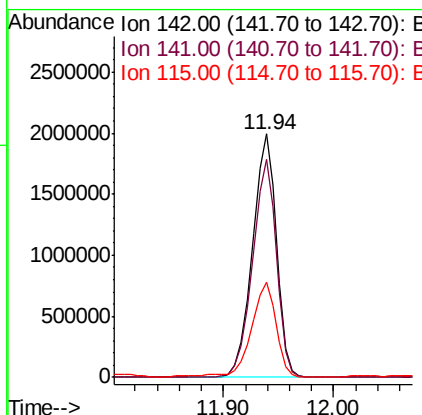
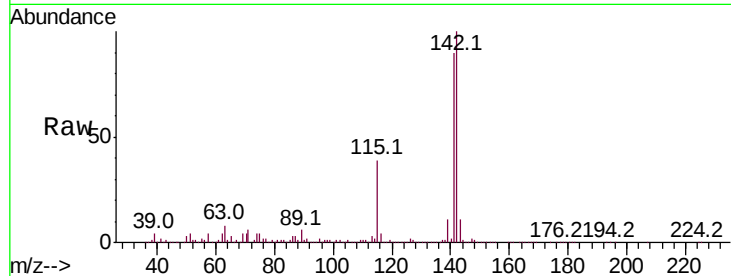
#37
2-Methylnaphthalene
Concen: 123.457 ng
RT: 11.94 min Scan# 1539
Delta R.T. -0.00 min
Lab File: BM018349.D
Acq: 21 Dec 2018 02:37

Instrument :
BNA_M
ClientSampleId :
P001-SD002-0612-01

Tot Ion:142 Resp: 3031083
Ion Ratio Lower Upper
142 100
141 89.8 71.4 107.2
115 38.9 29.0 43.6

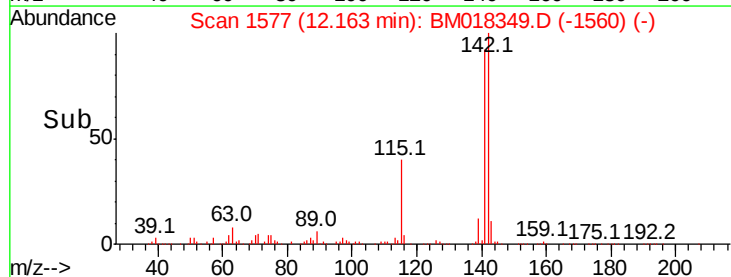
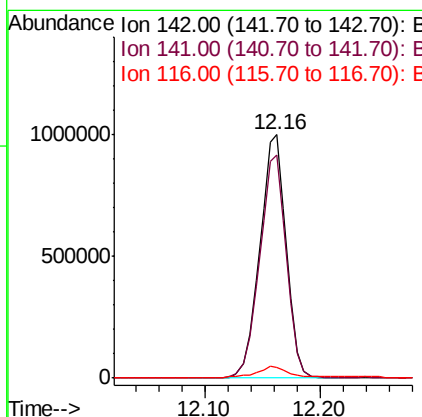
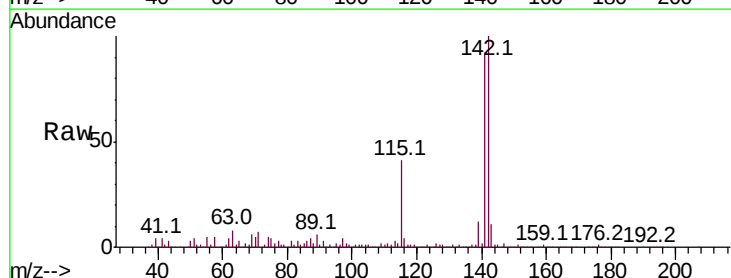
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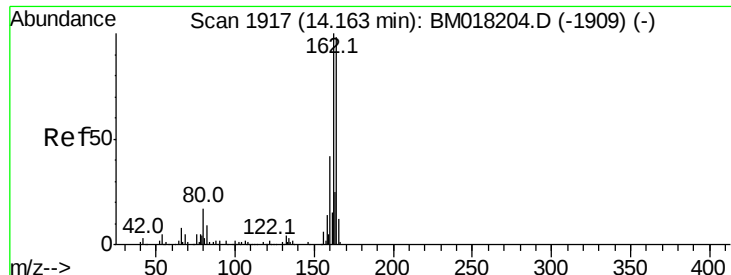
Sohil
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#38
1-Methylnaphthalene
Concen: 66.185 ng
RT: 12.16 min Scan# 1577
Delta R.T. -0.00 min
Lab File: BM018349.D
Acq: 21 Dec 2018 02:37

Tgt Ion:142 Resp: 1585615
Ion Ratio Lower Upper
142 100
141 91.7 73.0 109.4
116 4.3 3.0 4.6





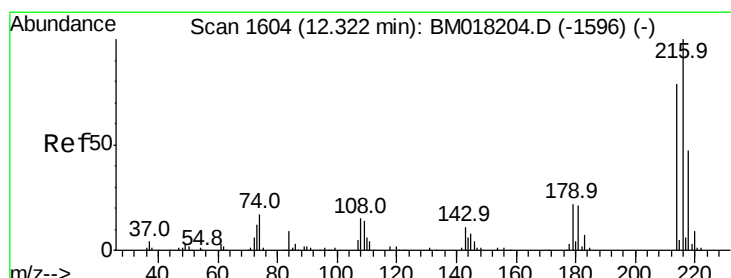
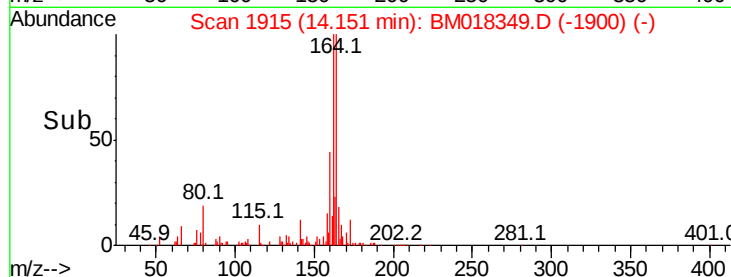
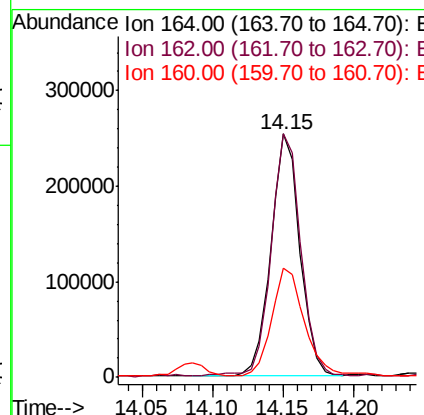
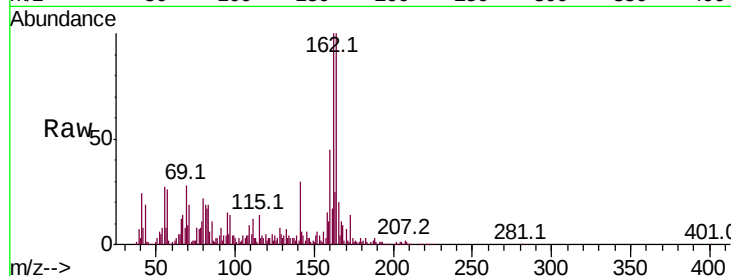
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.15 min Scan# 1915
Delta R.T. -0.01 min
Lab File: BM018349.D
Acq: 21 Dec 2018 02:37

Instrument :
BNA_M
ClientSampleId :
P001-SD002-0612-01

Tot Ion	Ratio	Lower	Upper
164	100		
162	99.9	81.8	122.6
160	44.8	34.6	51.8

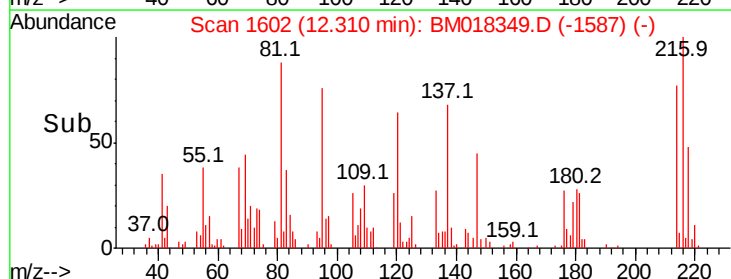
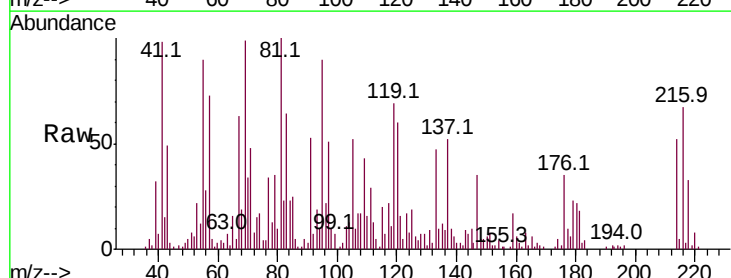
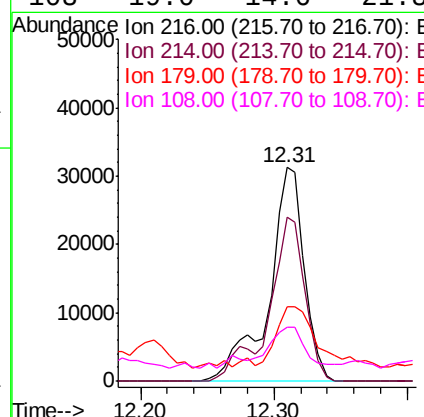
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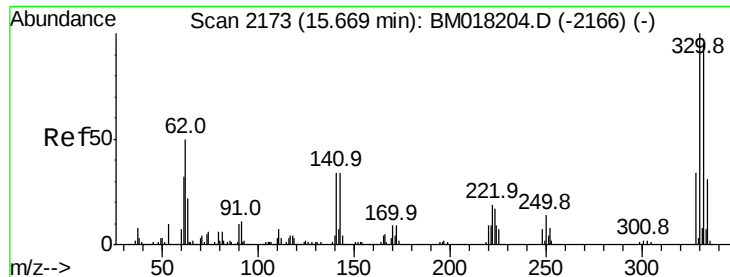
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#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.601 ng
RT: 12.31 min Scan# 1602
Delta R.T. -0.01 min
Lab File: BM018349.D
Acq: 21 Dec 2018 02:37

Tgt Ion	Ratio	Lower	Upper
216	100		
214	78.5	63.4	95.0
179	37.3	17.2	25.8
108	19.0	14.6	21.8





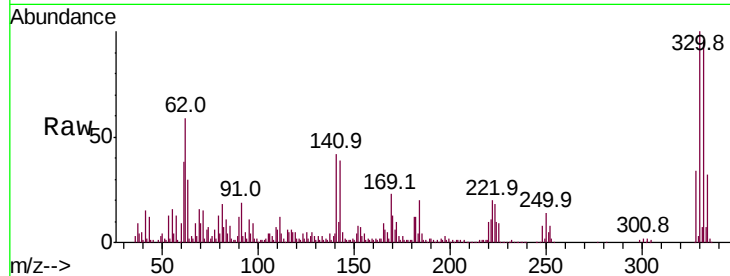
#42
 2,4,6-Tribromophenol
 Concen: 115.253 ng
 RT: 15.67 min Scan# 2173
 Delta R.T. -0.00 min
 Lab File: BM018349.D
 Acq: 21 Dec 2018 02:37

Instrument :
 BNA_M
 ClientSampleId :
 P001-SD002-0612-01

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	78.6	118.0
141	41.0	27.1	40.7#

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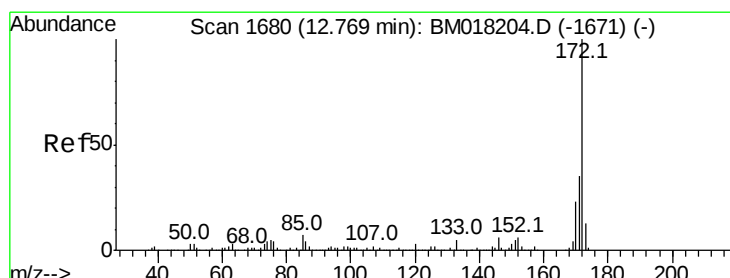
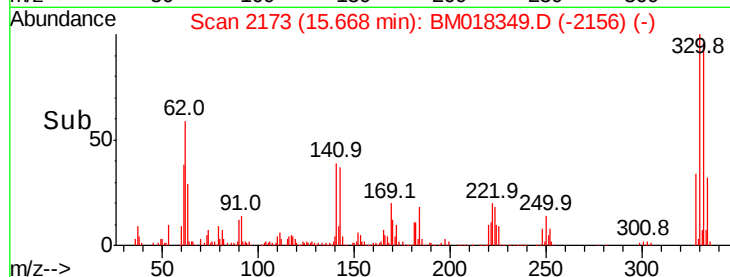
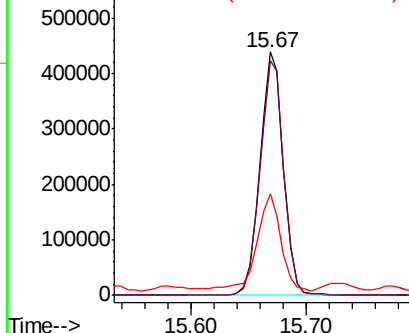


Abundance

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



#45
 2-Fluorobiphenyl
 Concen: 96.005 ng
 RT: 12.76 min Scan# 1678
 Delta R.T. -0.01 min
 Lab File: BM018349.D
 Acq: 21 Dec 2018 02:37

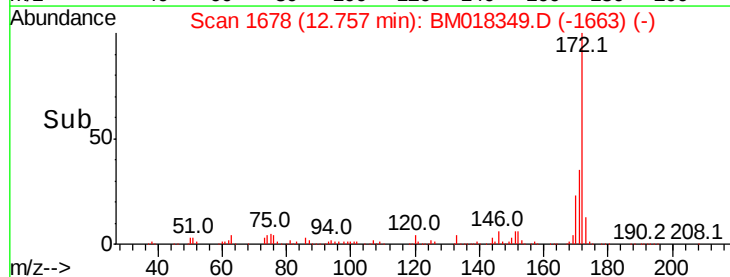
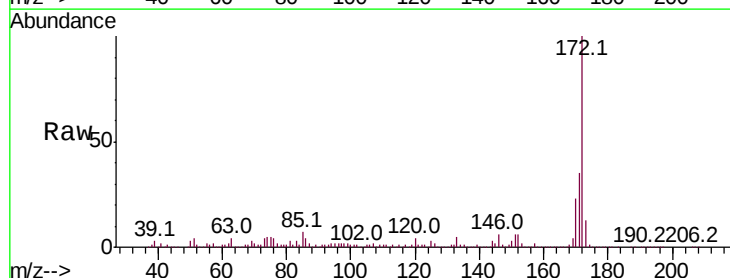
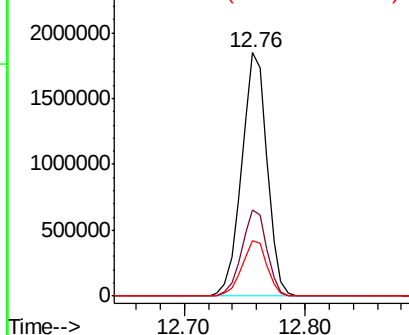
Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.3	42.5
170	22.8	18.1	27.1

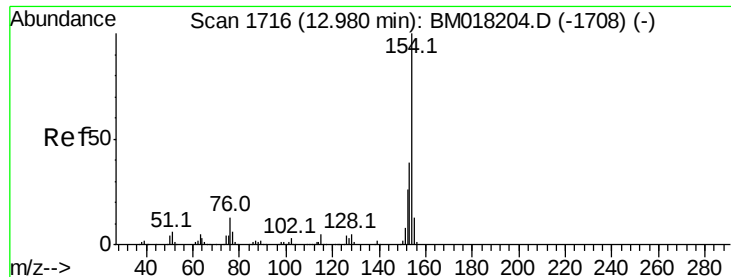
Abundance

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





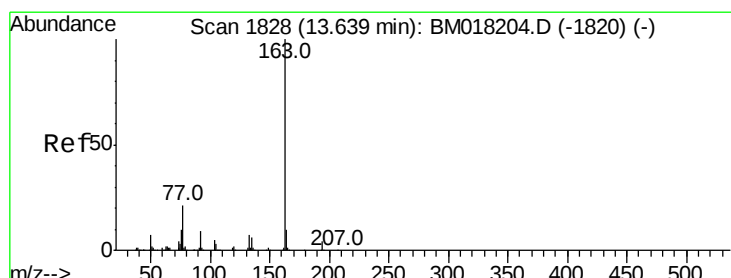
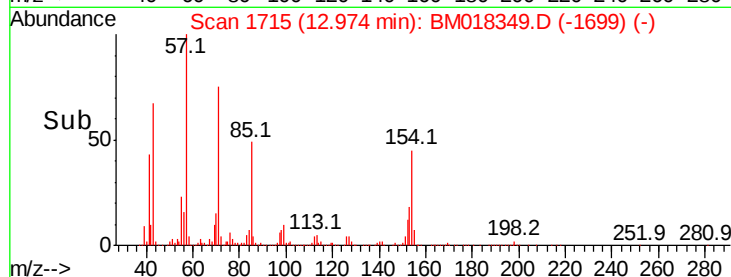
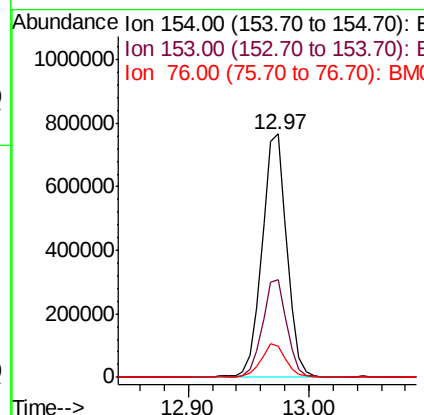
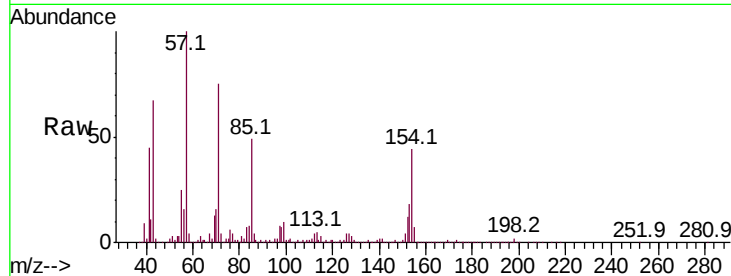
#46
 1,1'-Biphenyl
 Concen: 33.280 ng
 RT: 12.97 min Scan# 1715
 Delta R.T. -0.01 min
 Lab File: BM018349.D
 Acq: 21 Dec 2018 02:37

Instrument :
 BNA_M
 ClientSampleId :
 P001-SD002-0612-01

Tot Ion	Ratio	Lower	Upper
154	100		
153	40.0	19.5	59.5
76	12.7	0.0	33.1

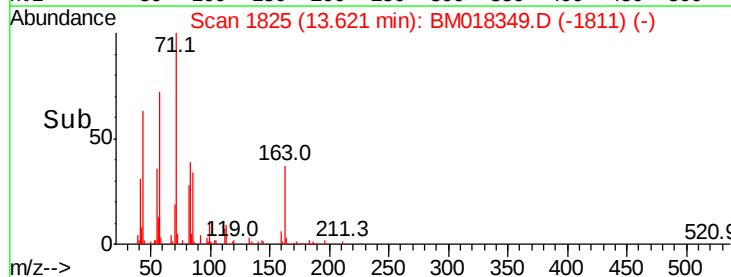
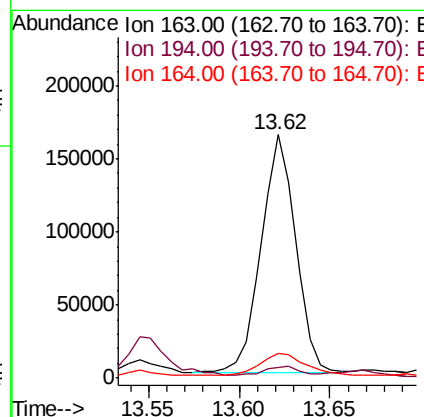
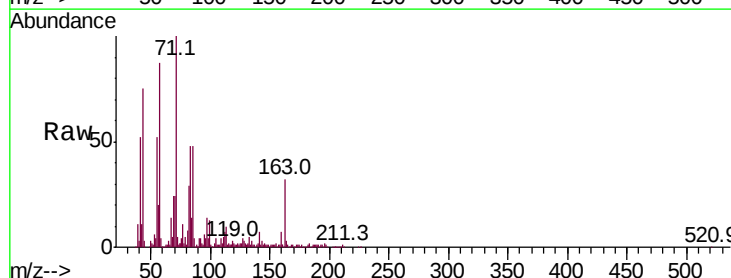
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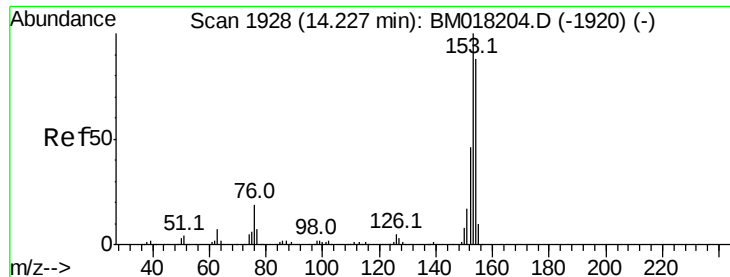
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#50
 Dimethylphthalate
 Concen: 7.099 ng
 RT: 13.62 min Scan# 1825
 Delta R.T. -0.02 min
 Lab File: BM018349.D
 Acq: 21 Dec 2018 02:37

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.1	4.7
164	10.1	7.9	11.9





#52

Acenaphthene

Concen: 2.736 ng

RT: 14.22 min Scan# 1926

Delta R.T. -0.01 min

Lab File: BM018349.D

Acq: 21 Dec 2018 02:37

Instrument :

BNA_M

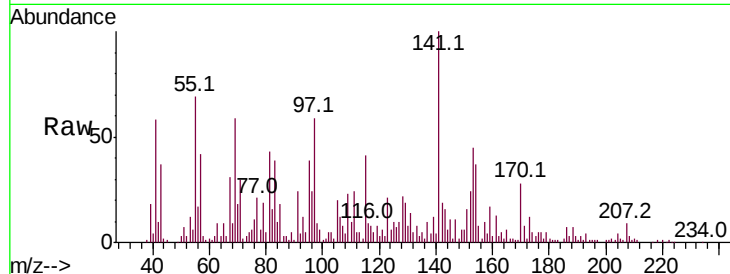
ClientSampleId :

P001-SD002-0612-01

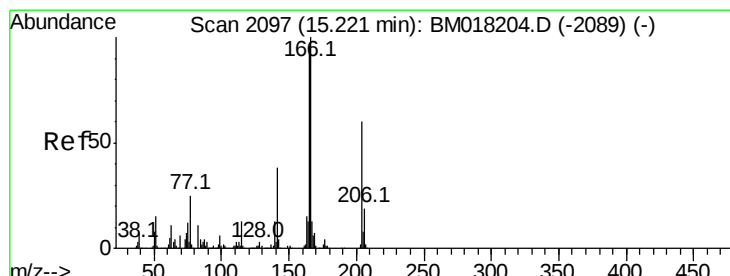
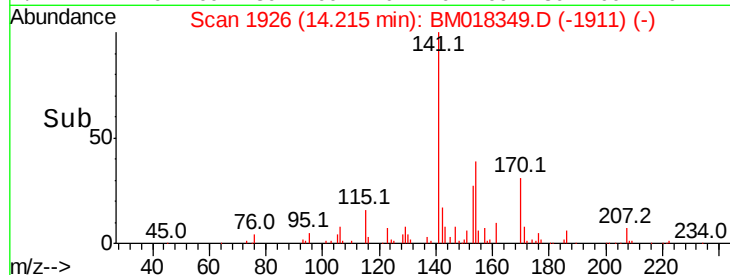
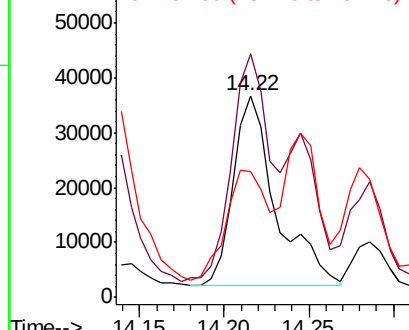
Tot Ion:	154	Resp:	61018
Ion Ratio	Lower	Upper	
154	100		
153	120.9	90.4	135.6
152	62.8	41.2	61.8#

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#58

Fluorene

Concen: 7.340 ng

RT: 15.22 min Scan# 2096

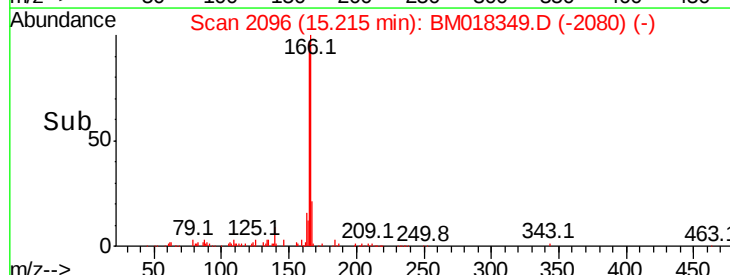
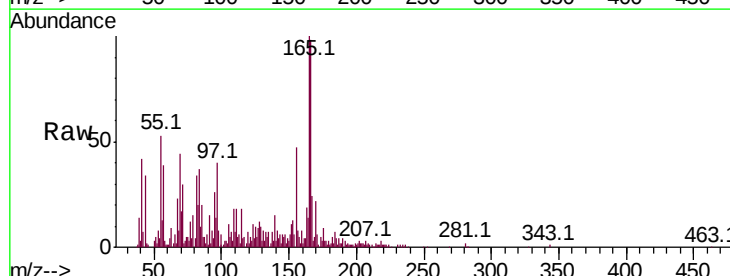
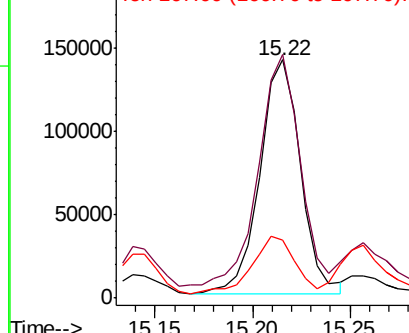
Delta R.T. -0.01 min

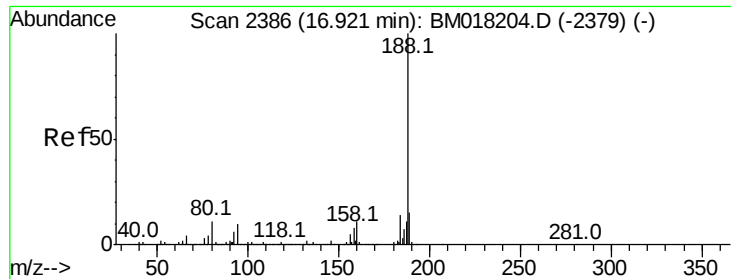
Lab File: BM018349.D

Acq: 21 Dec 2018 02:37

Tgt Ion:	166	Resp:	203156
Ion Ratio	Lower	Upper	
166	100		
165	102.2	76.9	115.3
167	24.5	10.5	15.7#

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.92 min Scan# 2386

Delta R.T. -0.00 min

Lab File: BM018349.D

Acq: 21 Dec 2018 02:37

Instrument :

BNA_M

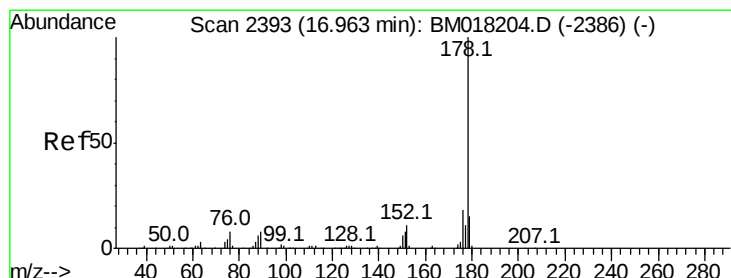
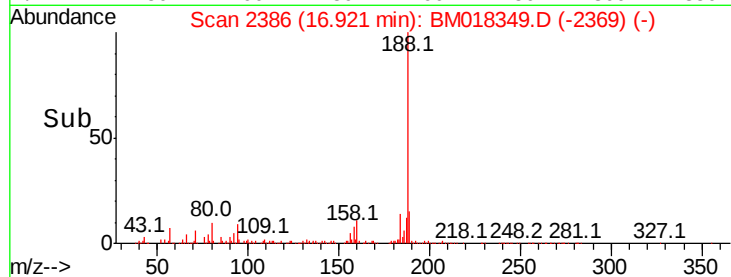
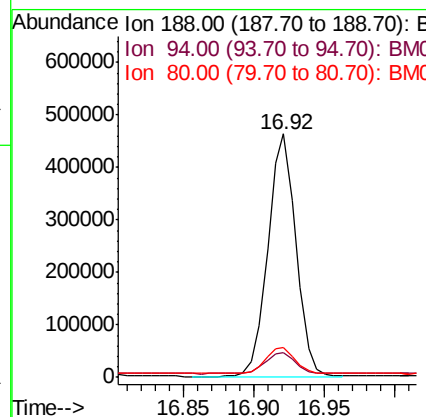
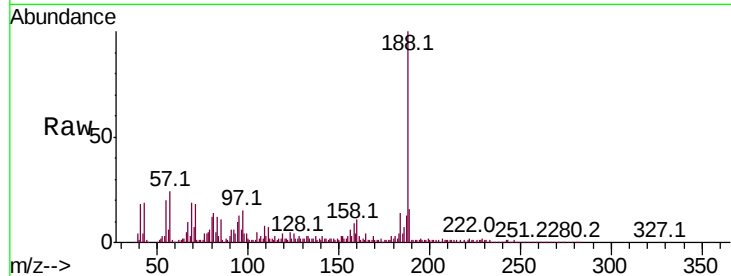
ClientSampleId :

P001-SD002-0612-01

Tot Ion:	188	Resp:	645422
Ion Ratio	Lower	Upper	
188	100		
94	10.3	8.0	12.0
80	12.1	9.0	13.6

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#71

Phenanthrene

Concen: 28.765 ng

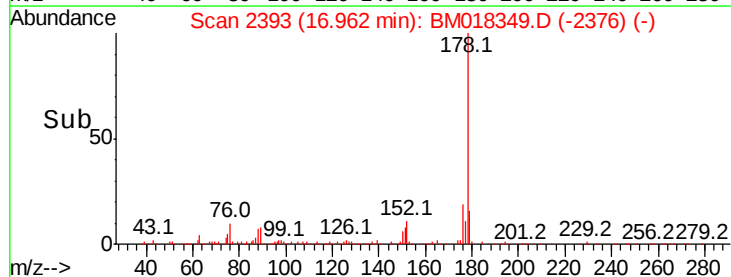
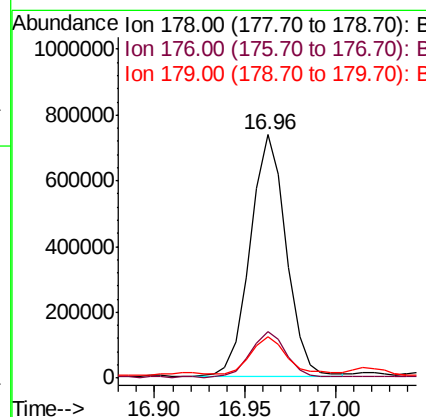
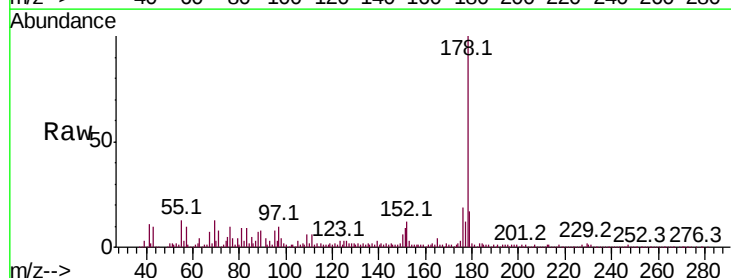
RT: 16.96 min Scan# 2393

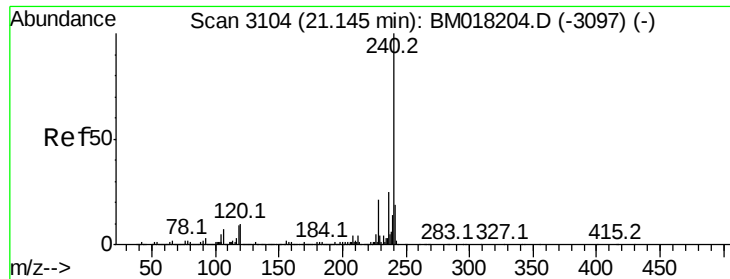
Delta R.T. -0.00 min

Lab File: BM018349.D

Acq: 21 Dec 2018 02:37

Tgt Ion:	178	Resp:	1008440
Ion Ratio	Lower	Upper	
178	100		
176	19.3	14.7	22.1
179	17.1	12.0	18.0





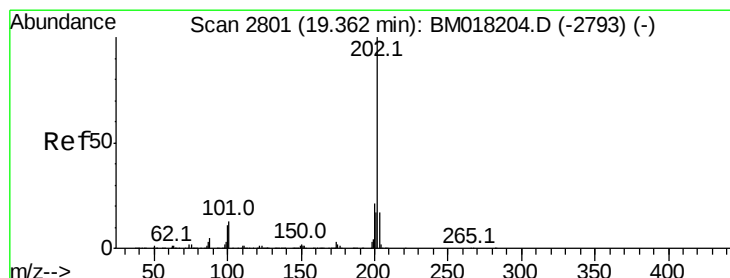
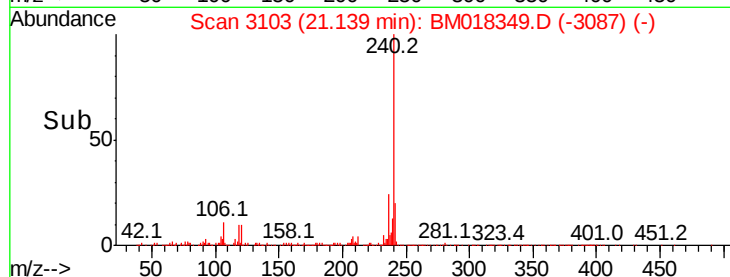
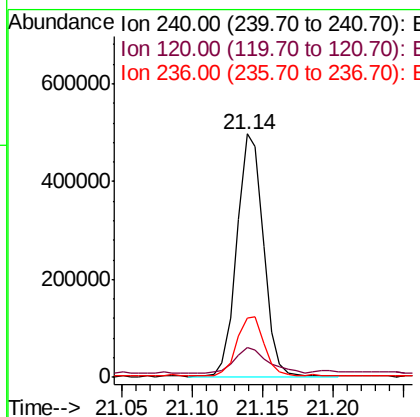
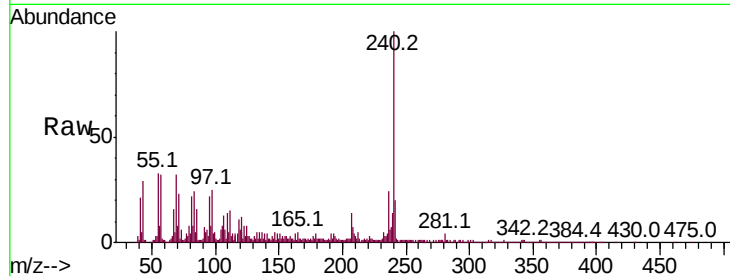
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.14 min Scan# 3103
 Delta R.T. -0.01 min
 Lab File: BM018349.D
 Acq: 21 Dec 2018 02:37

Instrument :
 BNA_M
 ClientSampleId :
 P001-SD002-0612-01

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.0	8.2	12.2
236	24.4	20.3	30.5

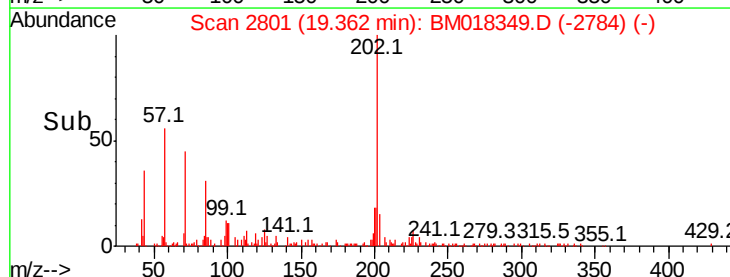
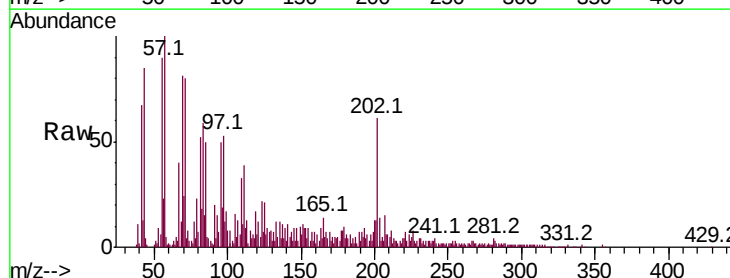
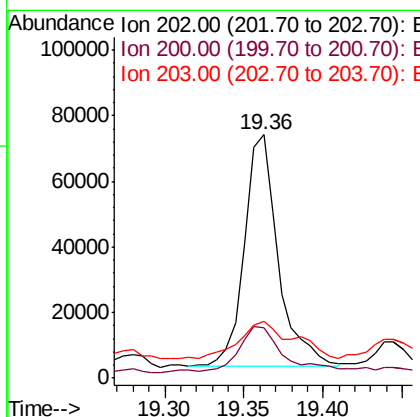
Manual Integrations
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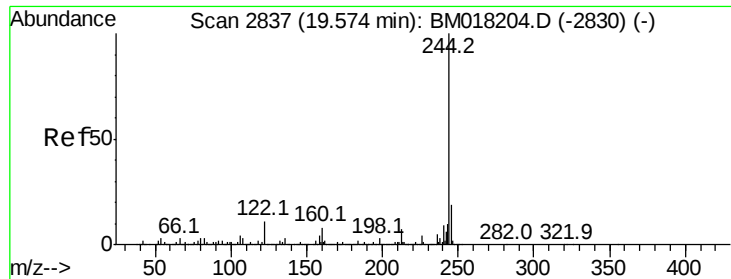
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#78
 Pyrene
 Concen: 2.708 ng
 RT: 19.36 min Scan# 2801
 Delta R.T. -0.00 min
 Lab File: BM018349.D
 Acq: 21 Dec 2018 02:37

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.5	24.7
203	23.2	14.0	21.0#





#79

Terphenyl-d14

Concen: 94.624 ng

RT: 19.57 min Scan# 2837

Delta R.T. -0.00 min

Lab File: BM018349.D

Acq: 21 Dec 2018 02:37

Instrument :

BNA_M

ClientSampleId :

P001-SD002-0612-01

Tot Ion:244 Resp: 2708546

Ion Ratio Lower Upper

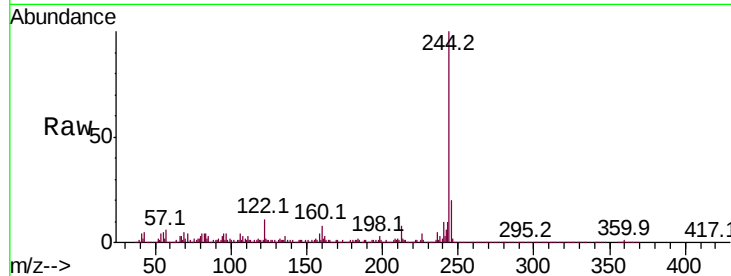
244 100

212 7.6 5.8 8.8

122 10.7 9.0 13.6

Manual Integrations
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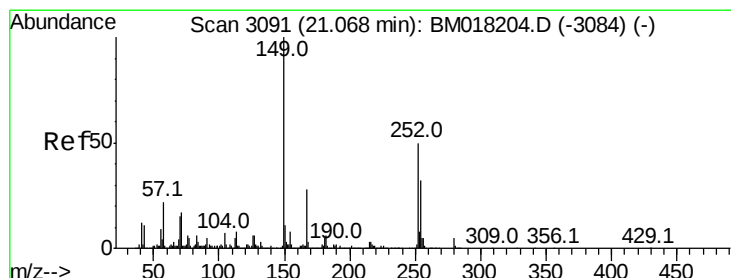
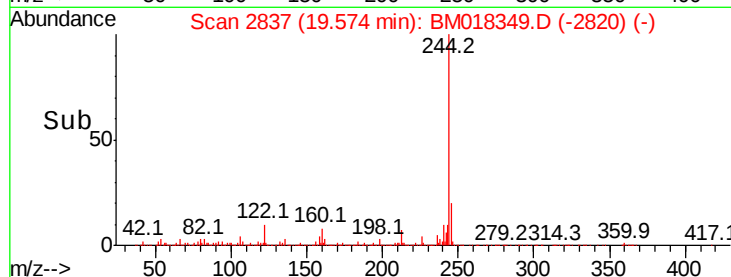
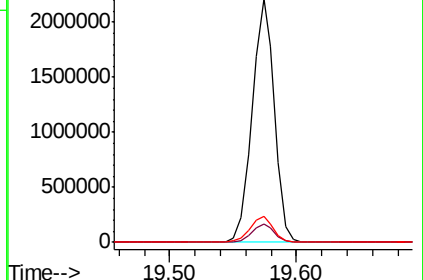
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.129 ng

RT: 21.06 min Scan# 3089

Delta R.T. -0.01 min

Lab File: BM018349.D

Acq: 21 Dec 2018 02:37

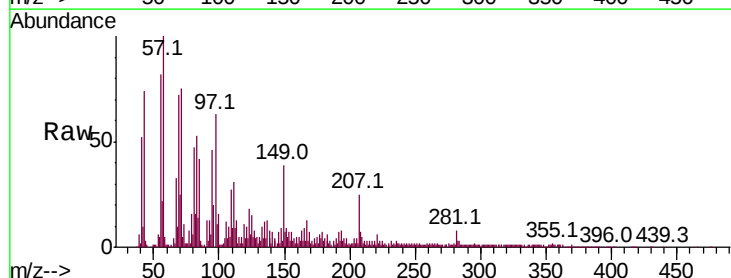
Tgt Ion:149 Resp: 85567

Ion Ratio Lower Upper

149 100

167 33.2 22.7 34.1

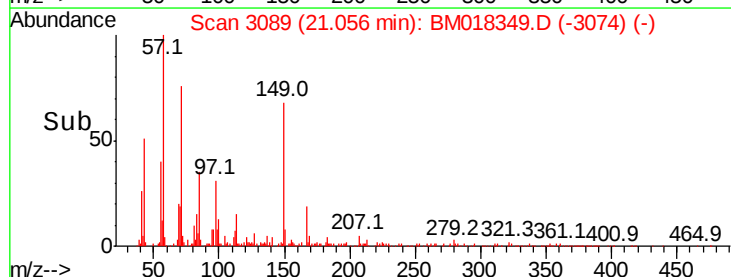
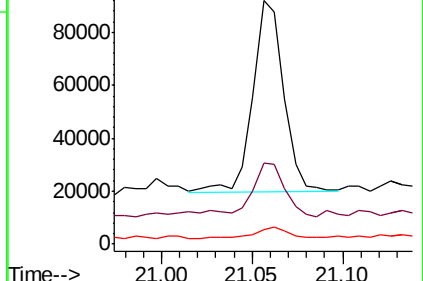
279 6.2 3.9 5.9#

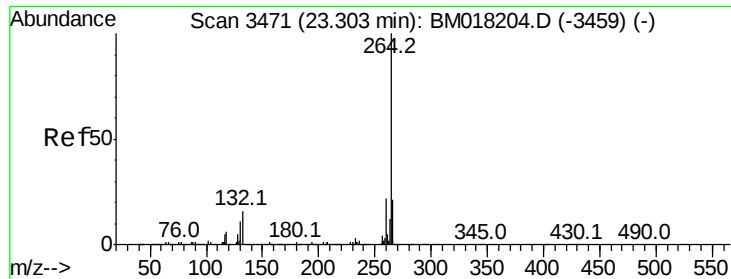


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 23.31 min Scan# 3472
Delta R.T. 0.01 min
Lab File: BM018349.D
Acq: 21 Dec 2018 02:37

Instrument :
BNA_M
ClientSampleId :
P001-SD002-0612-01

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	17.5	26.3
265	22.7	17.3	25.9

Manual Integrations
APPROVED

Sohil
12/21/2018 2:49:46 PM

