

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM122018\
 Data File : BM018343.D
 Acq On : 20 Dec 2018 22:59
 Operator : JU/SJ
 Sample : J6388-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 P001-SS008-1218-01

Manual Integrations
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Quant Time: Dec 21 03:00:05 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	152996	20.00	ng	-0.02
21) Naphthalene-d8	10.25	136	585441	20.00	ng	-0.02
39) Acenaphthene-d10	14.14	164	302875	20.00	ng	-0.02
64) Phenanthrene-d10	16.91	188	539462	20.00	ng	-0.01
76) Chrysene-d12	21.14	240	554916	20.00	ng	0.00
87) Perylene-d12	23.31	264	599950	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.13	112	1093371	119.38	ng	0.00
7) Phenol-d6	6.70	99	1489623	117.02	ng	0.00
23) Nitrobenzene-d5	8.65	82	965641	84.60	ng	-0.02
42) 2,4,6-Tribromophenol	15.66	330	394510	88.75	ng	0.00
45) 2-Fluorobiphenyl	12.75	172	1667584	71.31	ng	-0.02
79) Terphenyl-d14	19.57	244	1588292	64.73	ng	0.00

Target Compounds

						Qvalue
6) Aniline	6.85	93	37237	2.332	ng	94
10) Phenol	6.73	94	122383	9.078	ng	93
20) 3+4-Methylphenols	8.28	107	45201	3.583	ng	89
27) 2,4-Dimethylphenol	9.47	122	17453	2.165	ng	# 77
30) 1,2,4-Trichlorobenzene	10.12	180	27539	2.709	ng	95
49) Acenaphthylene	13.87	152	163583	5.413	ng	98
50) Dimethylphthalate	13.62	163	92227	3.663	ng	99
71) Phenanthrene	16.96	178	431806	14.736	ng	99
72) Anthracene	17.04	178	138009	4.747	ng	96
75) Fluoranthene	18.99	202	319596	9.381	ng	99
78) Pyrene	19.36	202	539800	16.326	ng	99
81) Benzo(a)anthracene	21.12	228	220116	6.790	ng	# 89
83) Chrysene	21.17	228	234526	7.522	ng	# 94
86) Indeno(1,2,3-cd)pyrene	25.44	276	128684	4.143	ng	# 94
88) Benzo(b)fluoranthene	22.67	252	243628m	7.229	ng	
90) Benzo(a)pyrene	23.21	252	227478	7.097	ng	# 89
92) Benzo(a,h,i)perylene	26.11	276	186783	6.655	ng	97

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

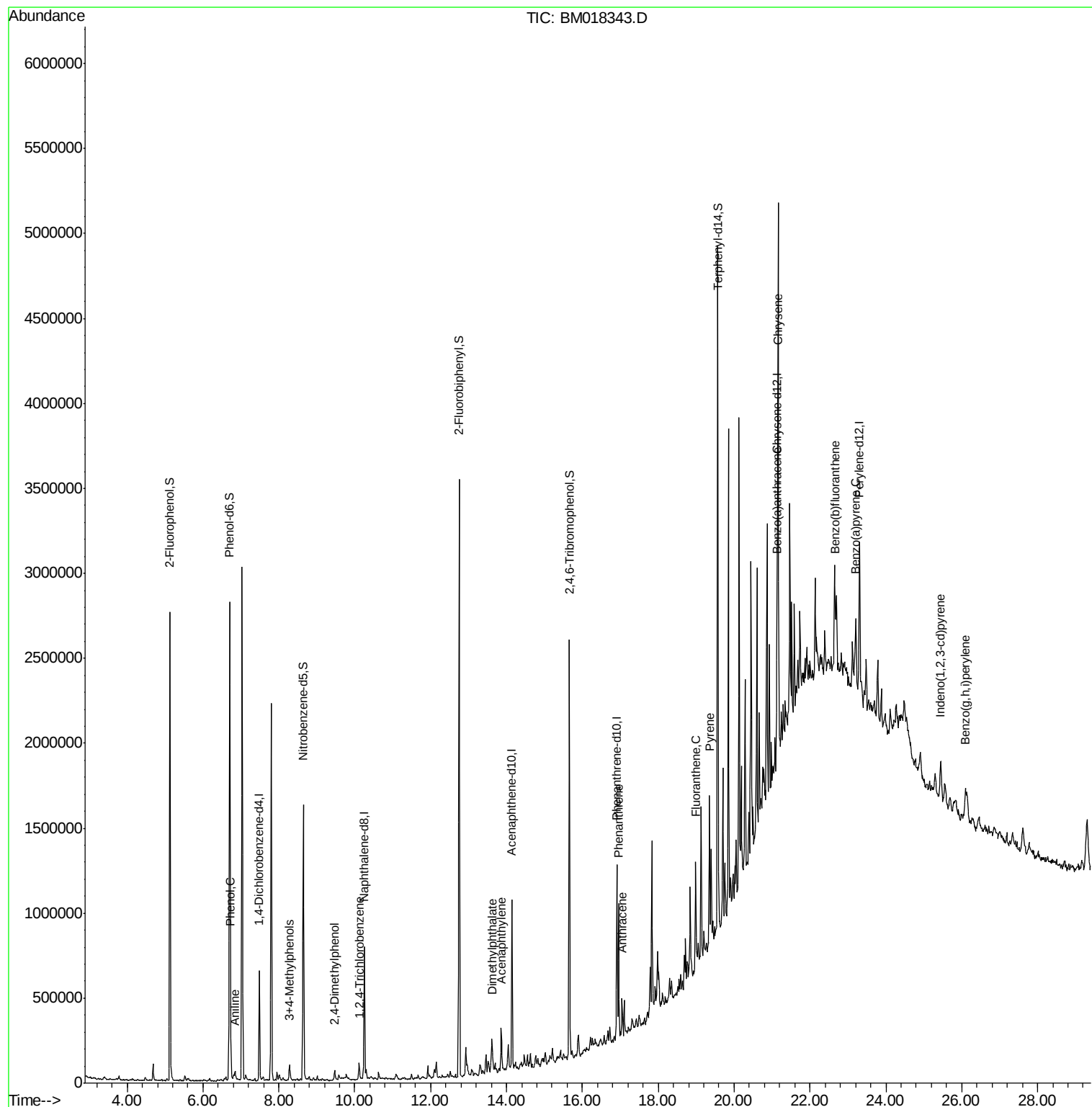
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM122018\
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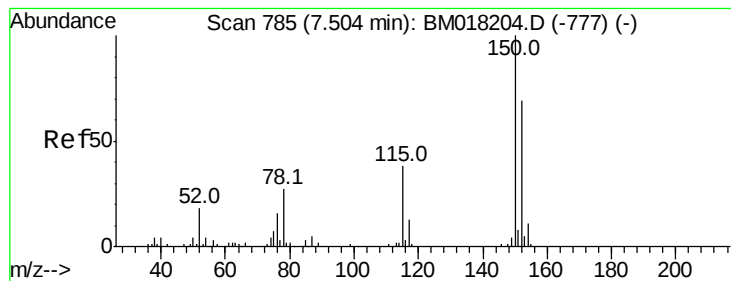
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM121518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

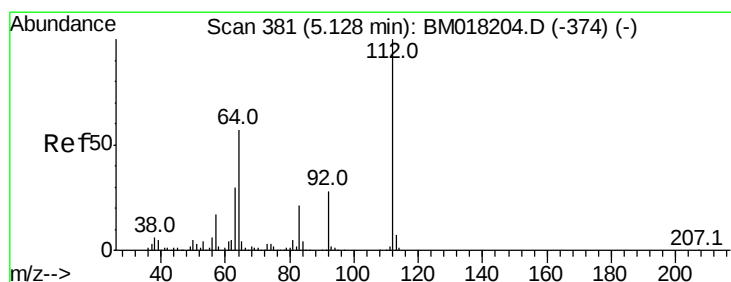
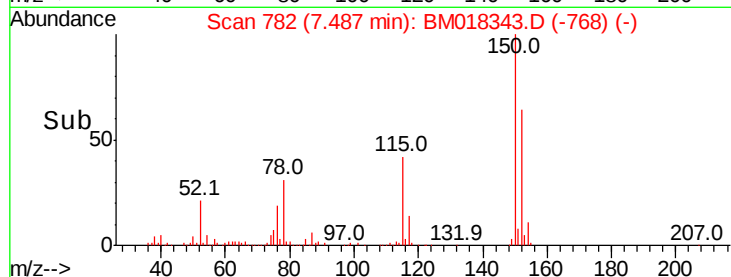
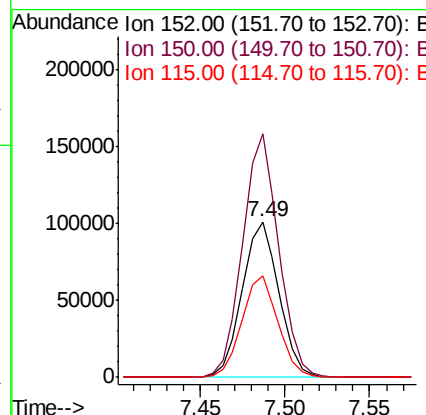
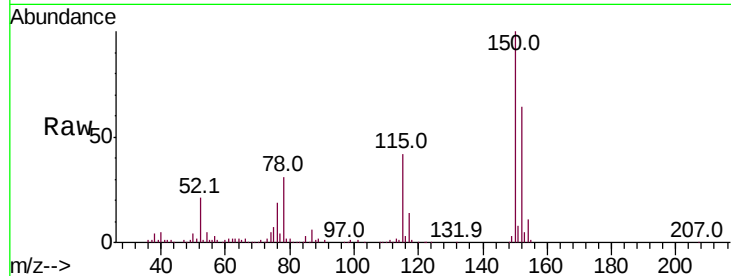
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.49 min Scan# 782
Delta R.T. -0.02 min
Lab File: BM018343.D
Acq: 20 Dec 2018 22:59

Instrument :
BNA_M
ClientSampleId :
P001-SS008-1218-01

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	116.1	174.1
115	65.5	44.6	67.0

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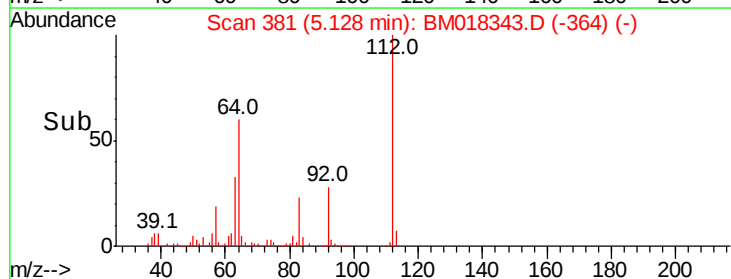
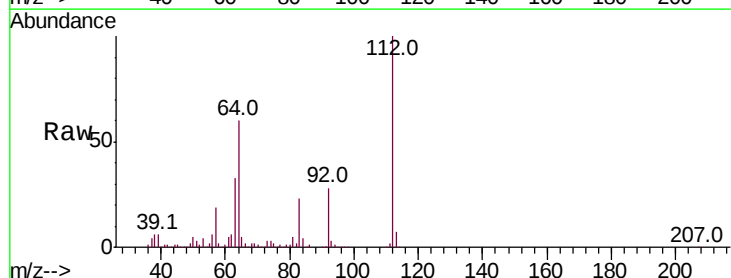
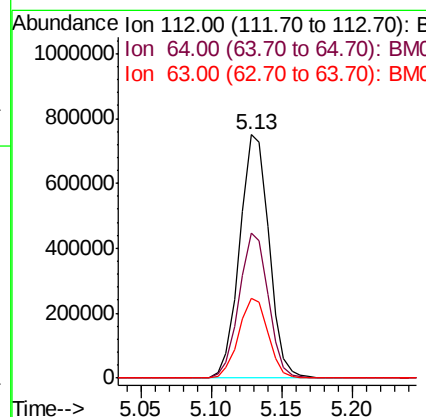
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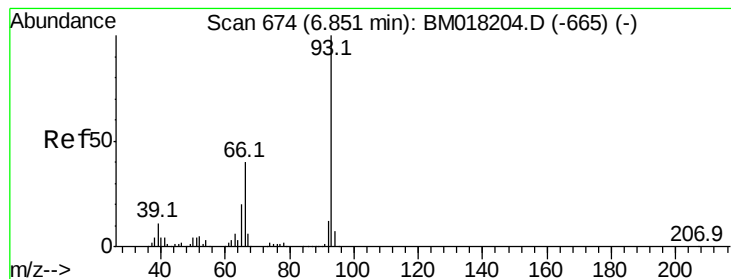


#5

2-Fluorophenol
Concen: 119.380 ng
RT: 5.13 min Scan# 381
Delta R.T. -0.00 min
Lab File: BM018343.D
Acq: 20 Dec 2018 22:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.8	45.4	68.2
63	32.9	24.0	36.0





#6

Aniline

Concen: 2.332 ng

RT: 6.85 min Scan# 673

Delta R.T. -0.01 min

Lab File: BM018343.D

Acq: 20 Dec 2018 22:59

Instrument :

BNA_M

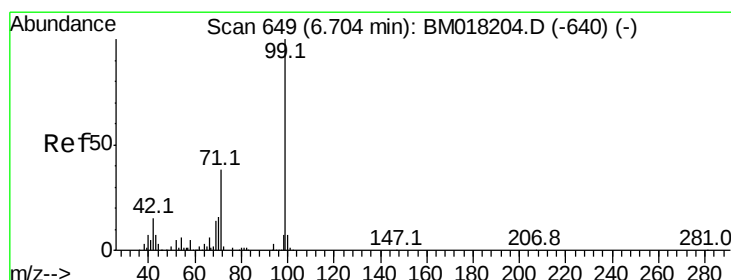
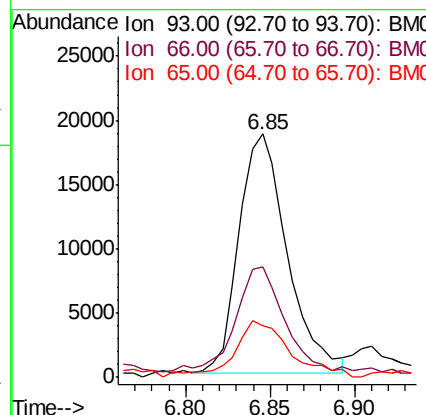
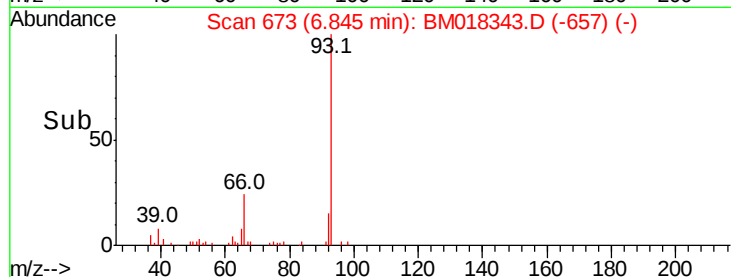
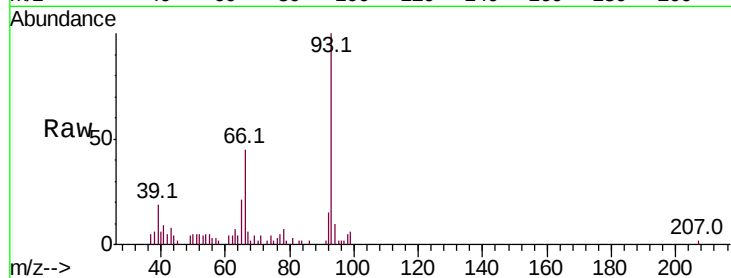
ClientSampleId :

P001-SS008-1218-01

Tot Ion	93	Resp	37237
Ion Ratio	Lower	Upper	
93	100		
66	45.3	32.3	48.5
65	21.4	16.2	24.4

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#7

Phenol-d6

Concen: 117.017 ng

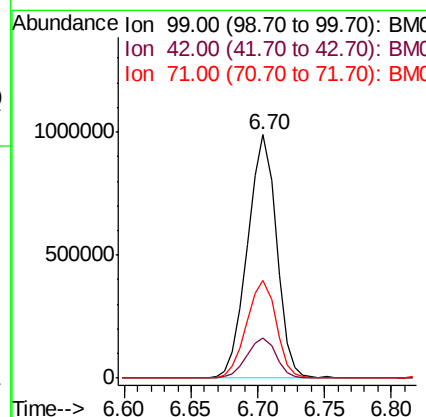
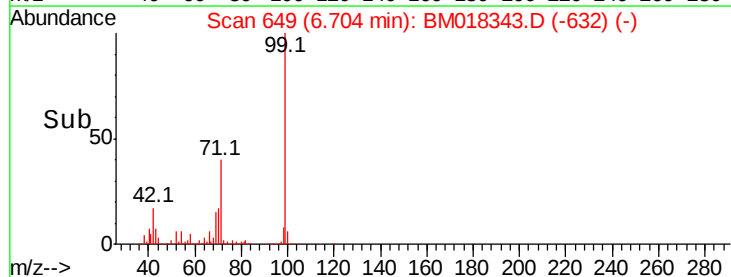
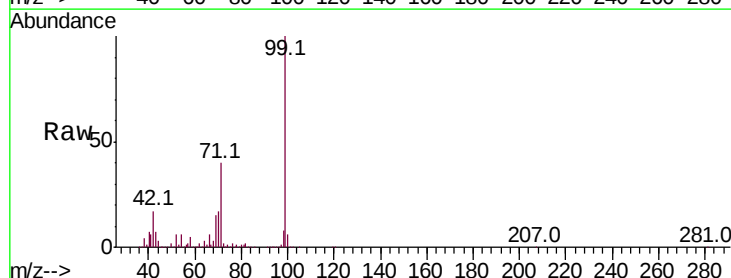
RT: 6.70 min Scan# 649

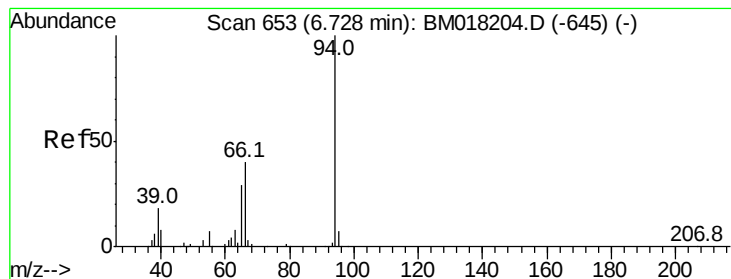
Delta R.T. -0.00 min

Lab File: BM018343.D

Acq: 20 Dec 2018 22:59

Tgt Ion	99	Resp	1489623
Ion Ratio	Lower	Upper	
99	100		
42	16.6	12.3	18.5
71	40.1	30.2	45.2





#10

Phenol

Concen: 9.078 ng

RT: 6.73 min Scan# 653

Delta R.T. -0.00 min

Lab File: BM018343.D

Acq: 20 Dec 2018 22:59

Instrument :

BNA_M

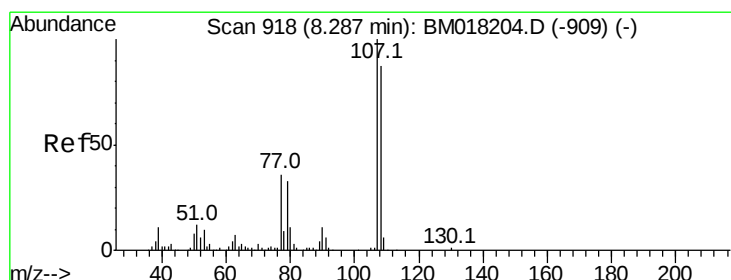
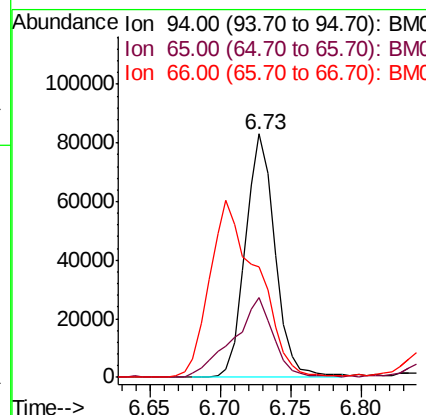
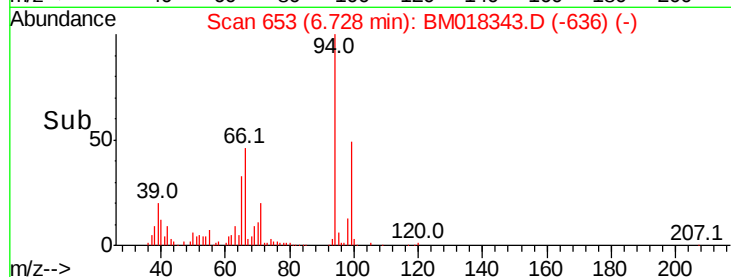
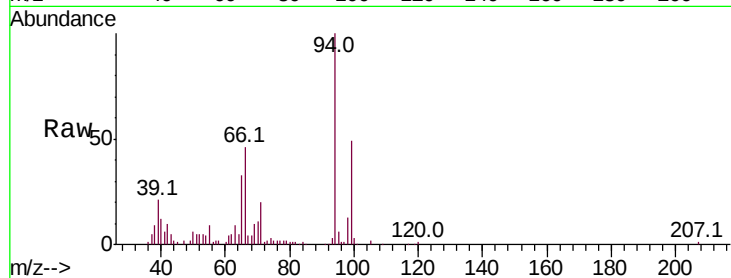
ClientSampleId :

P001-SS008-1218-01

Tot Ion	94	Resp	122383
Ion Ratio	Lower	Upper	
94	100		
65	33.0	9.5	49.5
66	45.6	21.3	61.3

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#20

3+4-Methylphenols

Concen: 3.583 ng

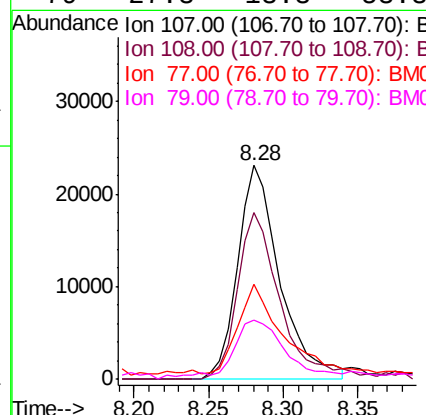
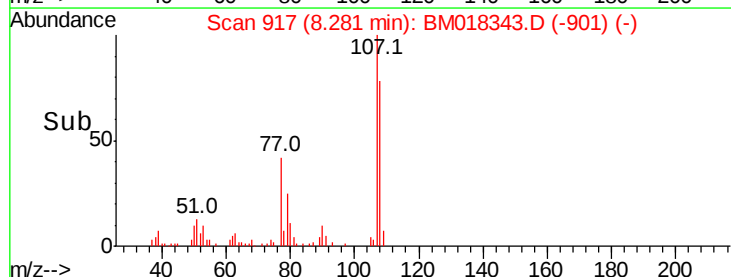
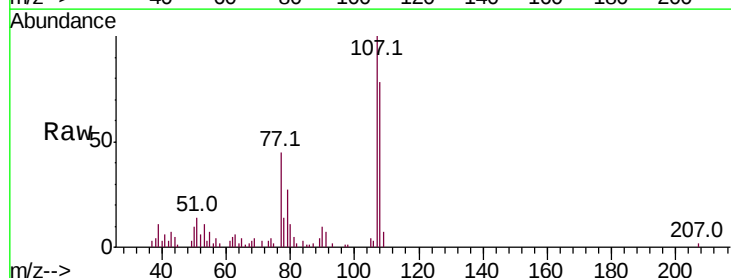
RT: 8.28 min Scan# 917

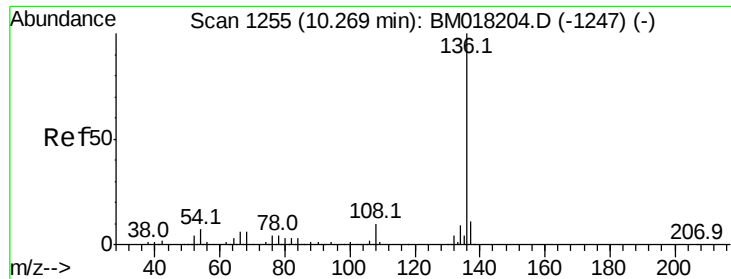
Delta R.T. -0.01 min

Lab File: BM018343.D

Acq: 20 Dec 2018 22:59

Tgt Ion	107	Resp	45201
Ion Ratio	Lower	Upper	
107	100		
108	78.0	67.4	107.4
77	44.6	15.7	55.7
79	27.3	13.3	53.3





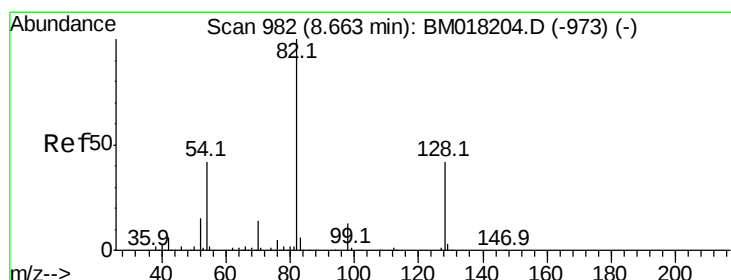
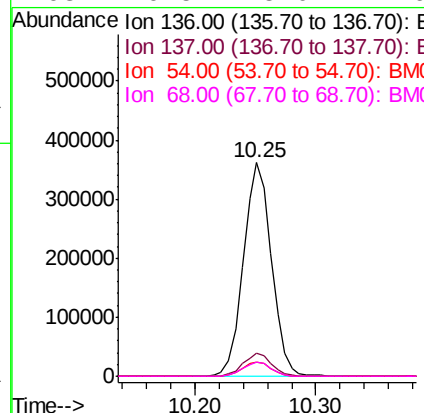
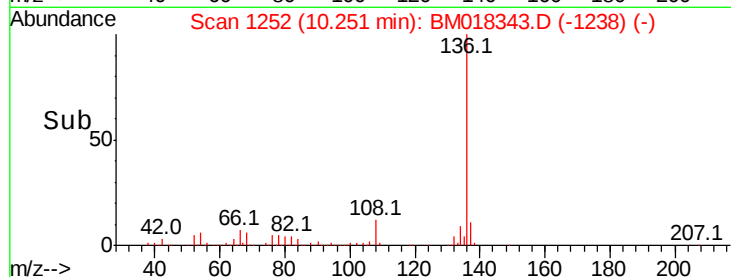
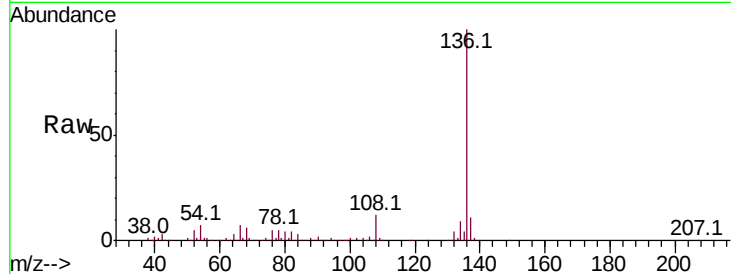
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.25 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BM018343.D
Acq: 20 Dec 2018 22:59

Instrument :
BNA_M
ClientSampleId :
P001-SS008-1218-01

Tot Ion	Ratio	Resp	Lower	Upper
136	100	585441		
137	10.7		9.2	13.8
54	6.6		5.2	7.8
68	6.5		5.0	7.6

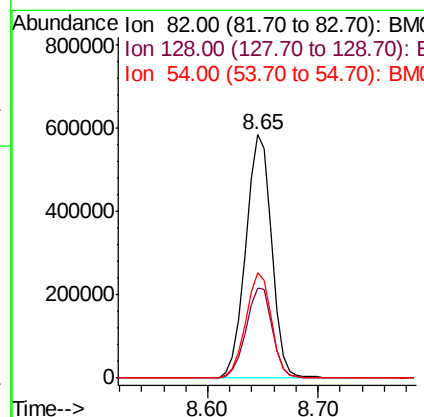
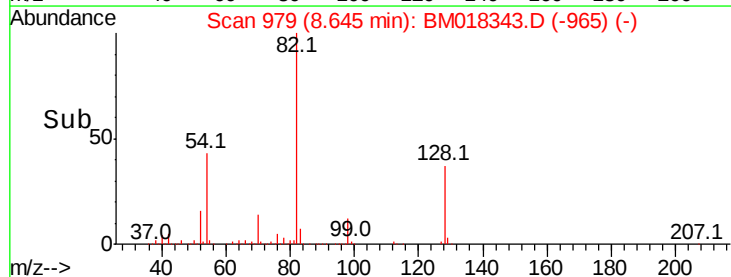
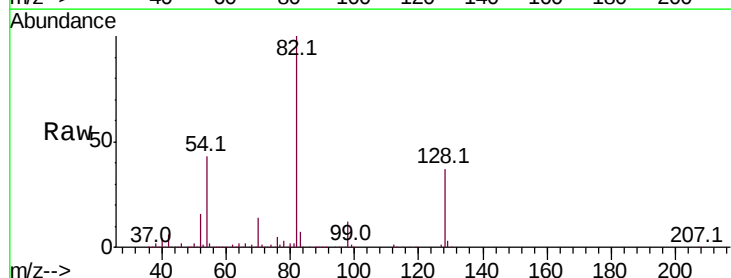
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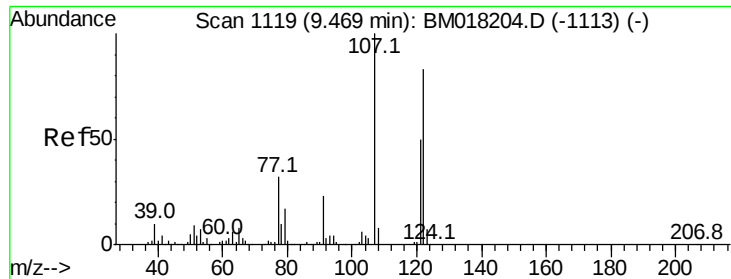
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#23
Nitrobenzene-d5
Concen: 84.605 ng
RT: 8.65 min Scan# 979
Delta R.T. -0.02 min
Lab File: BM018343.D
Acq: 20 Dec 2018 22:59

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	965641		
128	37.2		33.4	50.2
54	43.1		33.4	50.2





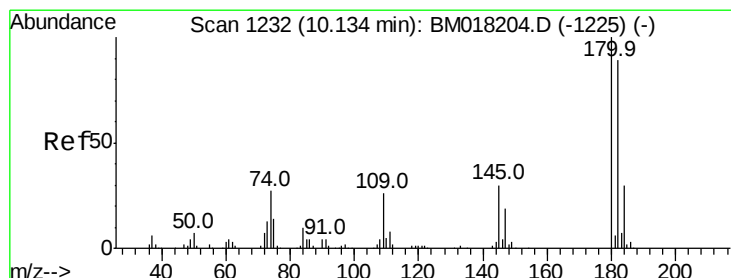
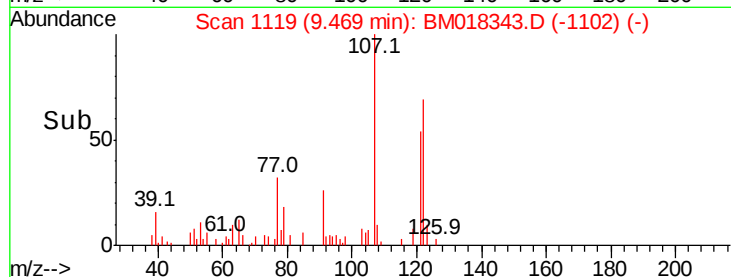
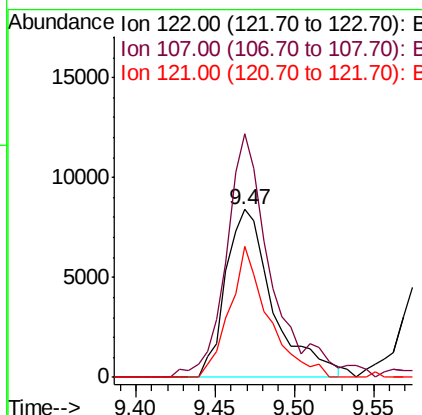
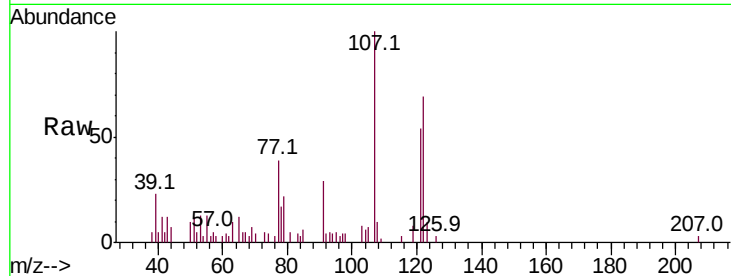
#27
2,4-Dimethylphenol
Concen: 2.165 ng
RT: 9.47 min Scan# 1119
Delta R.T. -0.00 min
Lab File: BM018343.D
Acq: 20 Dec 2018 22:59

Instrument :
BNA_M
ClientSampleId :
P001-SS008-1218-01

Tot Ion	Ratio	Lower	Upper
122	100		
107	145.1	96.5	144.7#
121	78.3	48.2	72.4#

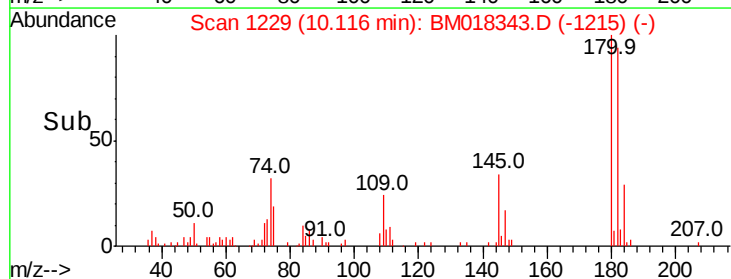
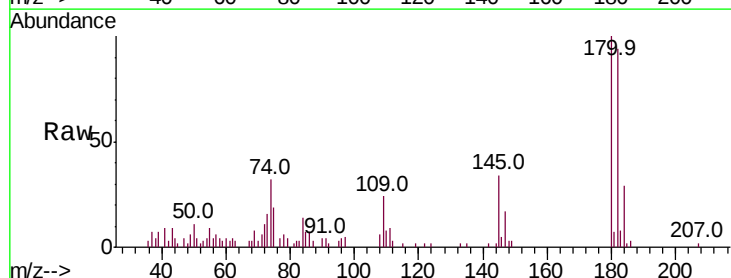
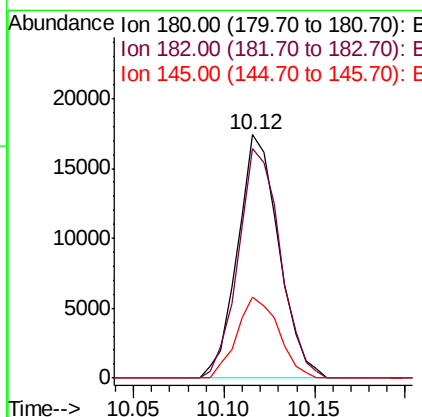
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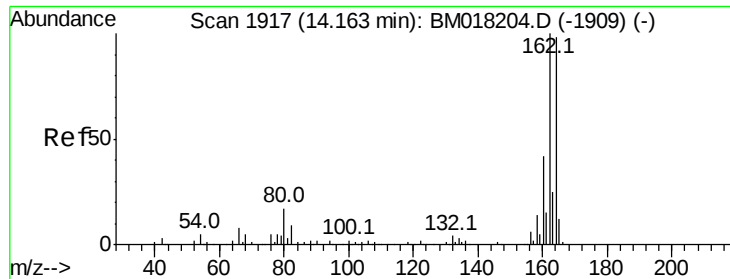
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#30
1,2,4-Trichlorobenzene
Concen: 2.709 ng
RT: 10.12 min Scan# 1229
Delta R.T. -0.02 min
Lab File: BM018343.D
Acq: 20 Dec 2018 22:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	71.4	107.2
145	33.5	24.4	36.6





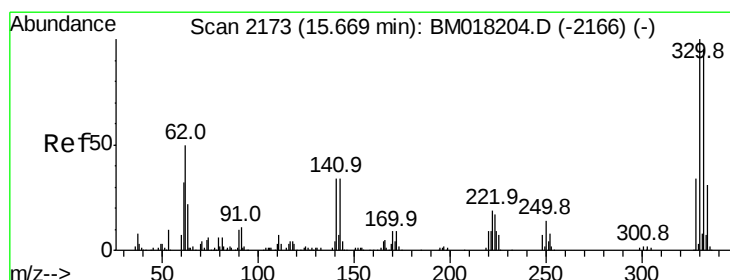
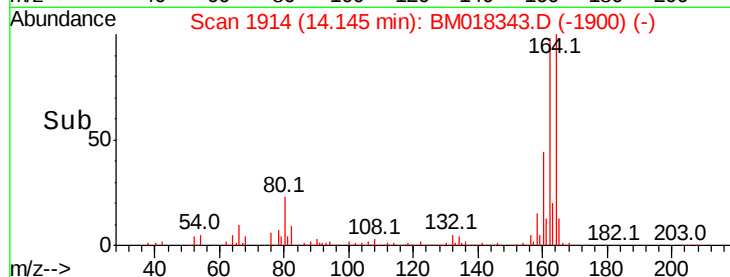
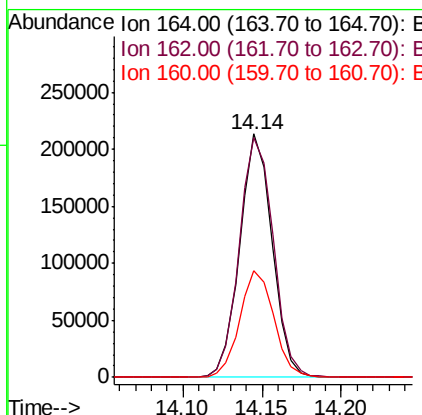
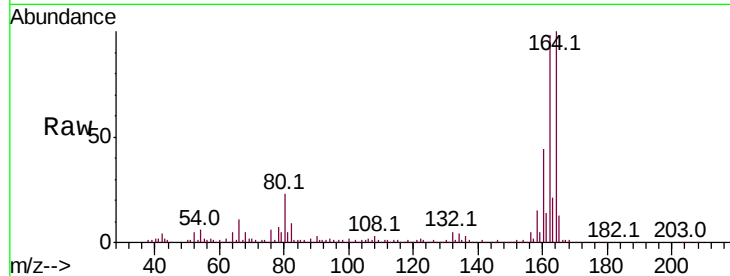
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.14 min Scan# 1914
 Delta R.T. -0.02 min
 Lab File: BM018343.D
 Acq: 20 Dec 2018 22:59

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 P001-SS008-1218-01

Tot Ion	Ratio	Lower	Upper
164	100		
162	98.3	81.8	122.6
160	44.0	34.6	51.8

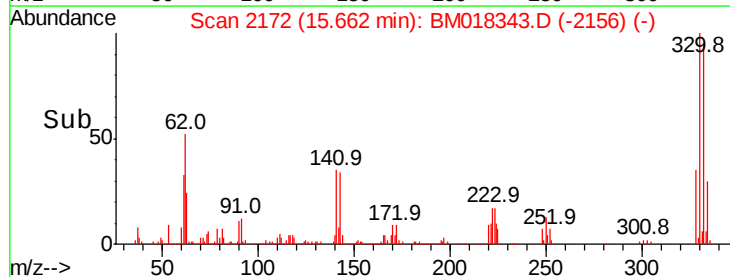
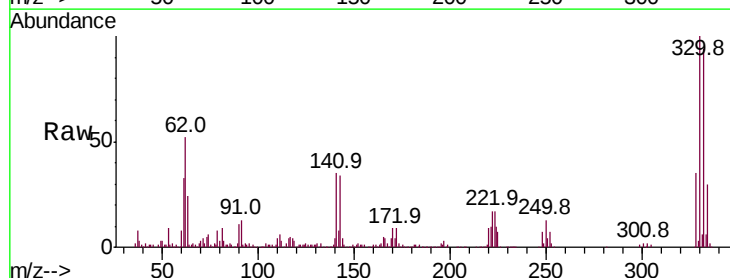
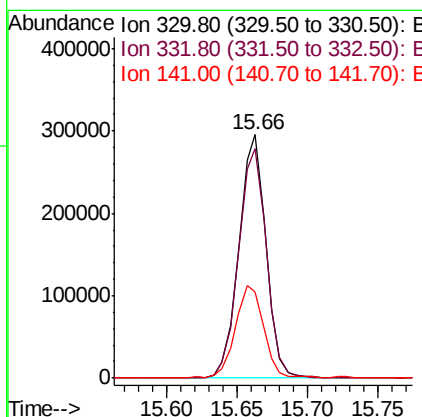
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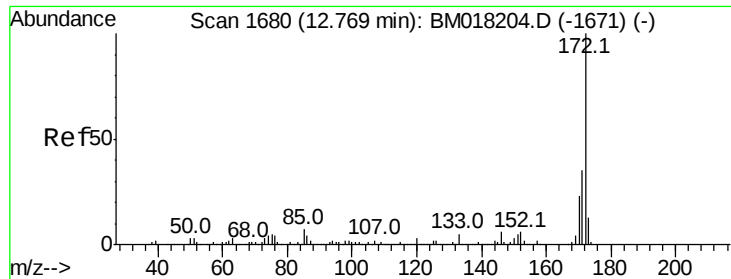
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#42
 2,4,6-Tribromophenol
 Concen: 88.746 ng
 RT: 15.66 min Scan# 2172
 Delta R.T. -0.01 min
 Lab File: BM018343.D
 Acq: 20 Dec 2018 22:59

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.8	78.6	118.0
141	38.9	27.1	40.7





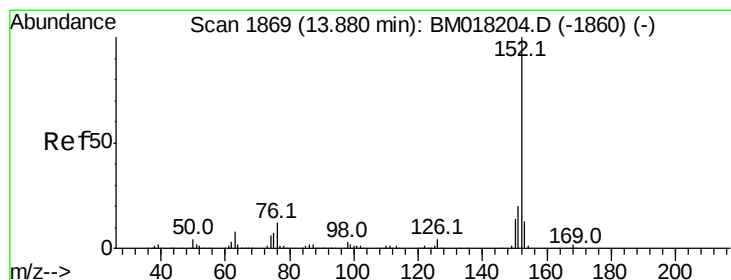
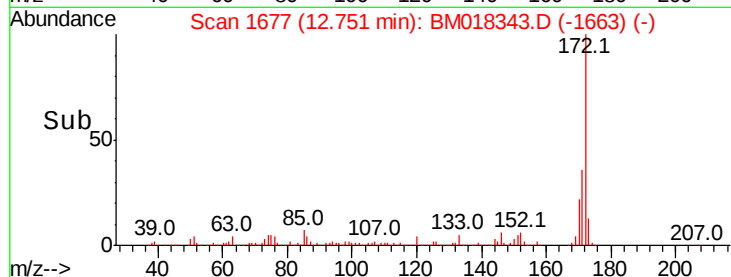
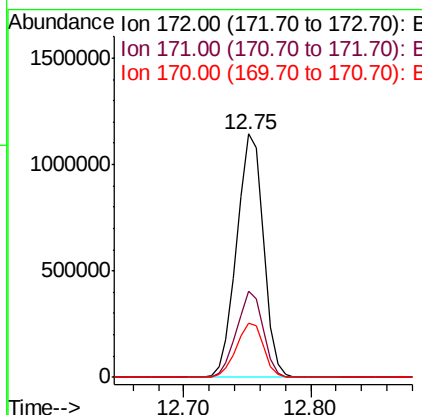
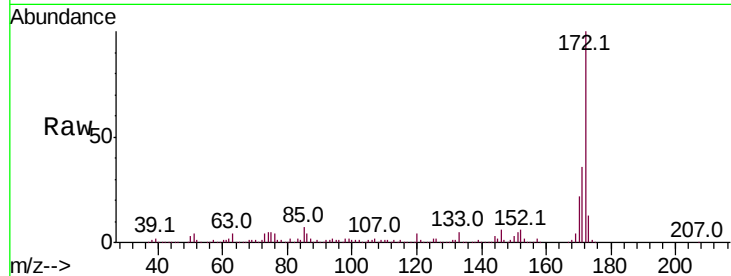
#45
2-Fluorobiphenyl
Concen: 71.314 ng
RT: 12.75 min Scan# 1677
Delta R.T. -0.02 min
Lab File: BM018343.D
Acq: 20 Dec 2018 22:59

Instrument :
BNA_M
ClientSampleId :
P001-SS008-1218-01

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.3	42.5
170	22.5	18.1	27.1

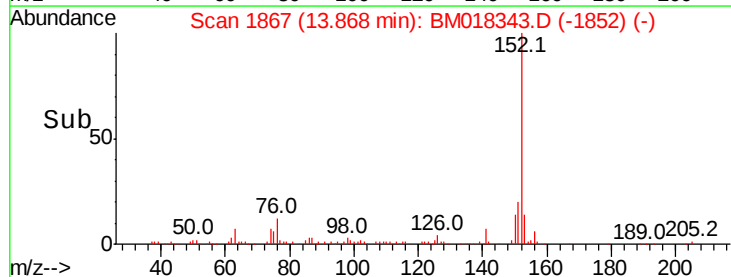
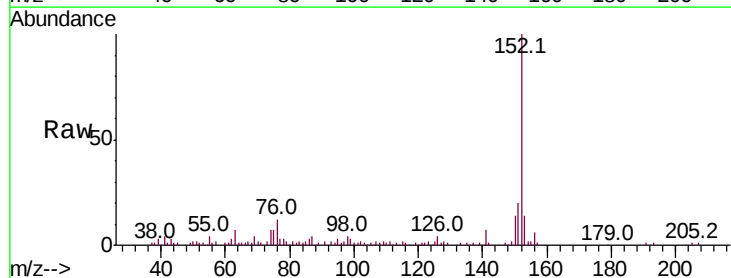
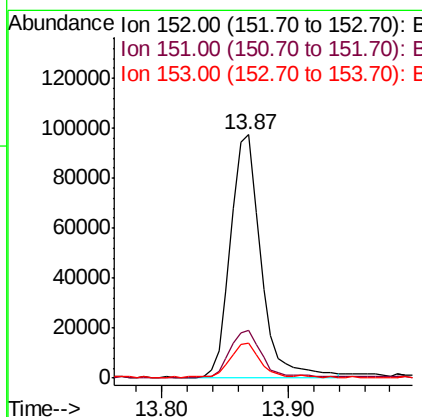
Manual Integrations
APPROVED

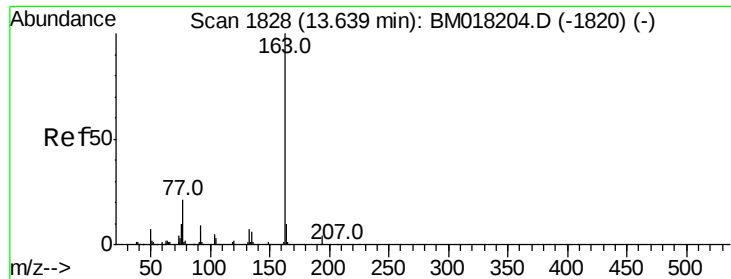
Sohil
12/21/2018 2:49:43 PM



#49
Acenaphthylene
Concen: 5.413 ng
RT: 13.87 min Scan# 1867
Delta R.T. -0.01 min
Lab File: BM018343.D
Acq: 20 Dec 2018 22:59

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.0	24.0
153	14.3	10.2	15.2





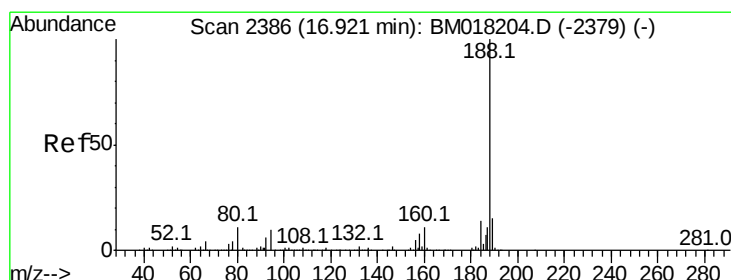
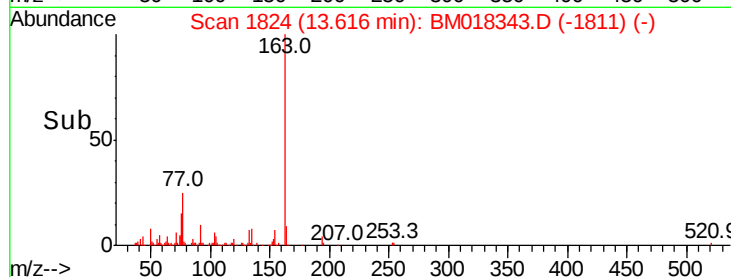
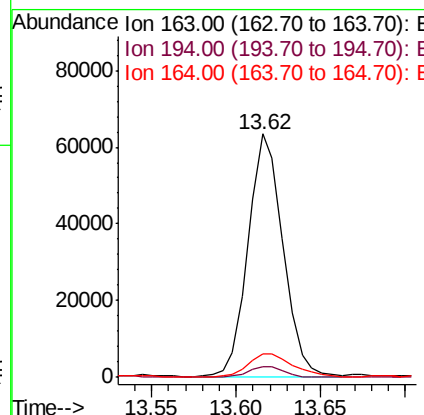
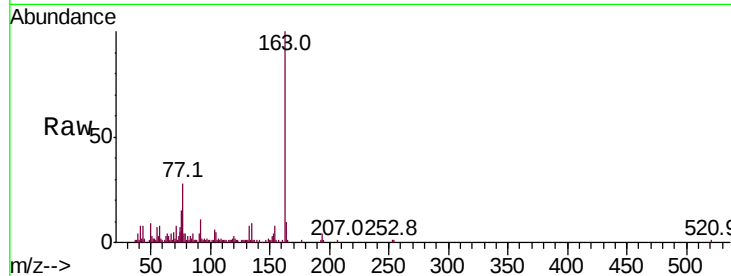
#50
Dimethylphthalate
Concen: 3.663 ng
RT: 13.62 min Scan# 1824
Delta R.T. -0.02 min
Lab File: BM018343.D
Acq: 20 Dec 2018 22:59

Instrument :
BNA_M
ClientSampleId :
P001-SS008-1218-01

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.1	4.7
164	9.7	7.9	11.9

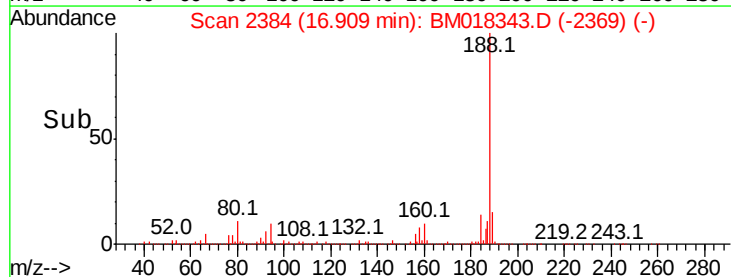
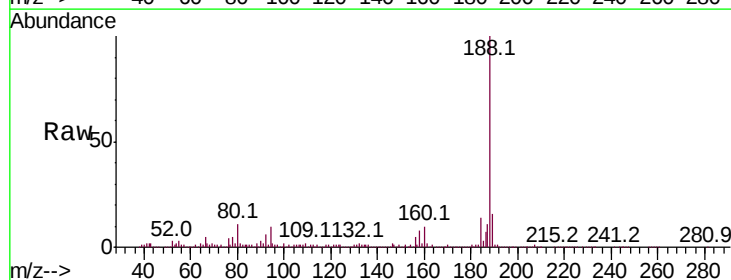
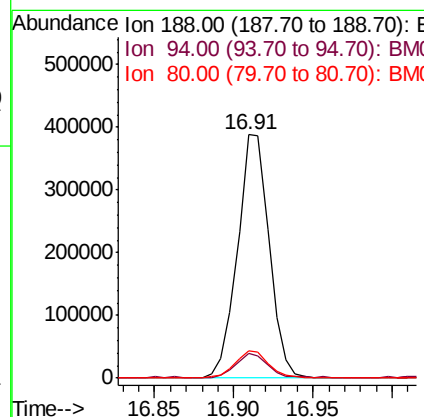
Manual Integrations
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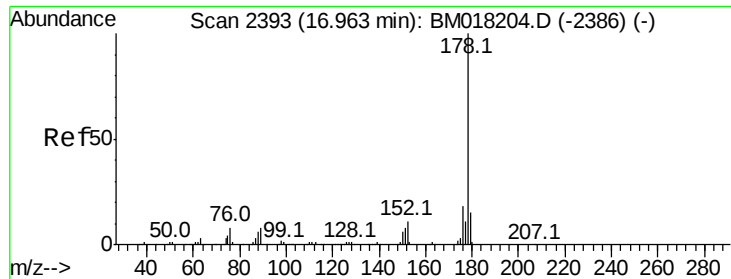
Sohil
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.91 min Scan# 2384
Delta R.T. -0.01 min
Lab File: BM018343.D
Acq: 20 Dec 2018 22:59

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.0	12.0
80	11.3	9.0	13.6





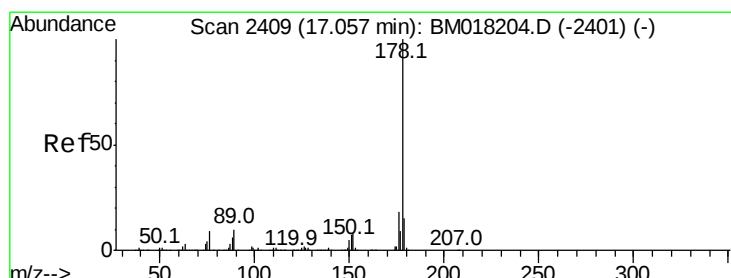
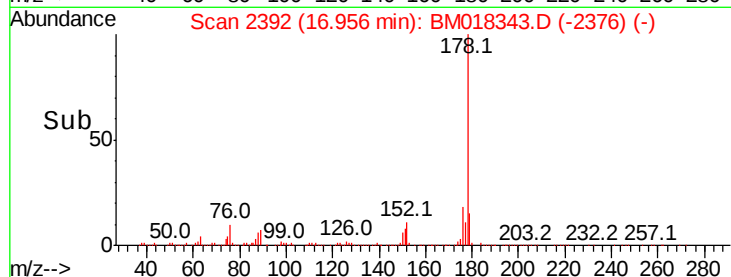
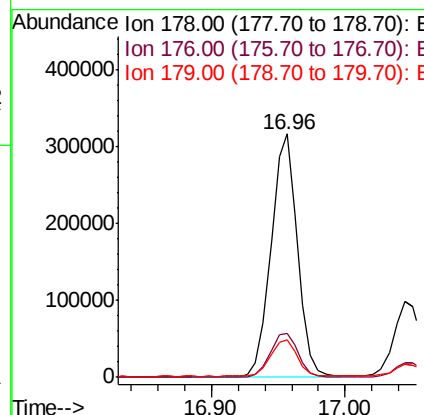
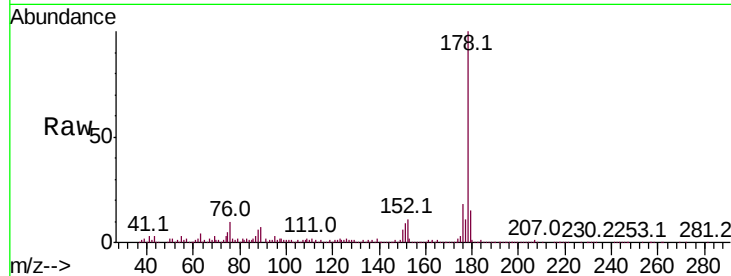
#71
Phenanthrene
Concen: 14.736 ng
RT: 16.96 min Scan# 2392
Delta R.T. -0.01 min
Lab File: BM018343.D
Acq: 20 Dec 2018 22:59

Instrument :
BNA_M
ClientSampleId :
P001-SS008-1218-01

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.7	22.1
179	15.4	12.0	18.0

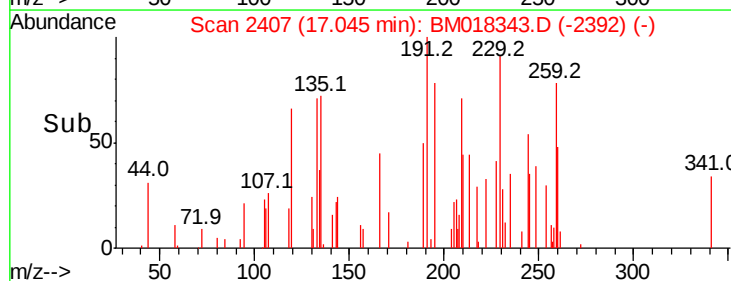
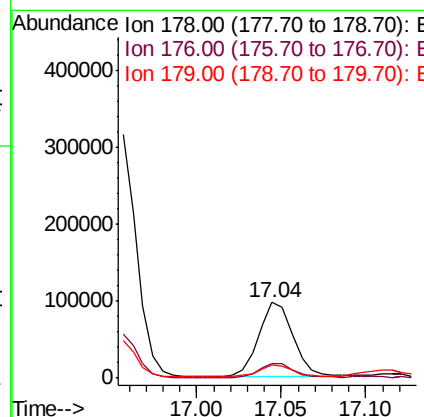
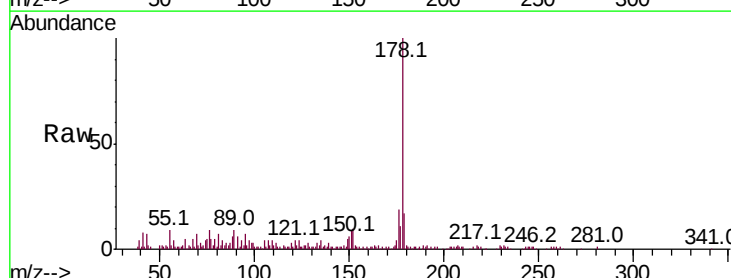
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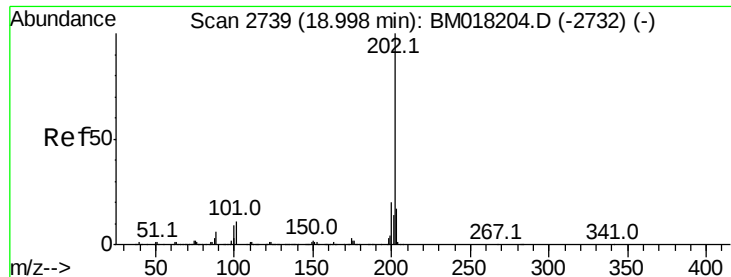
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#72
Anthracene
Concen: 4.747 ng
RT: 17.04 min Scan# 2407
Delta R.T. -0.01 min
Lab File: BM018343.D
Acq: 20 Dec 2018 22:59

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	14.3	21.5
179	16.7	12.0	18.0





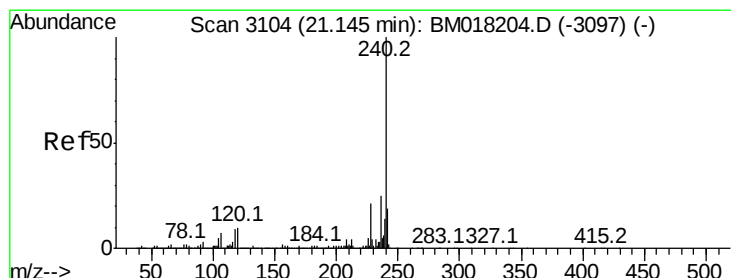
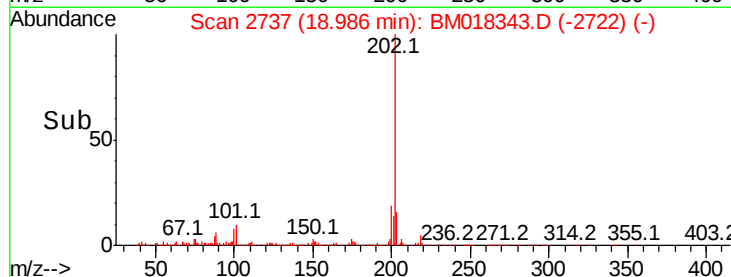
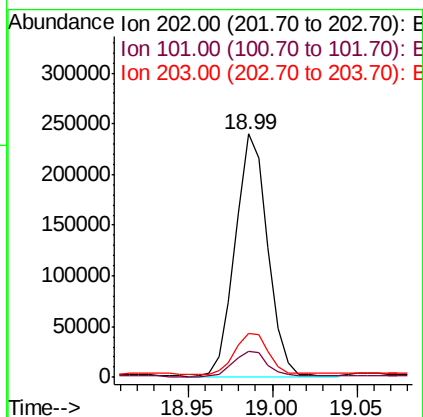
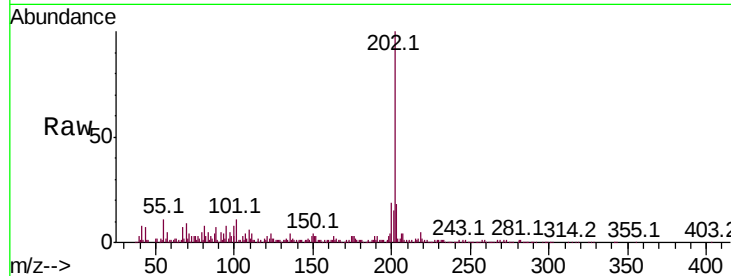
#75
 Fluoranthene
 Concen: 9.381 ng
 RT: 18.99 min Scan# 2737
 Delta R.T. -0.01 min
 Lab File: BM018343.D
 Acq: 20 Dec 2018 22:59

Instrument :
 BNA_M
 ClientSampleId :
 P001-SS008-1218-01

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.8	0.0	30.5
203	18.2	0.0	37.5

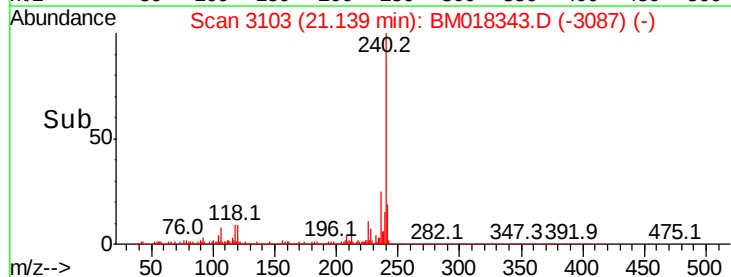
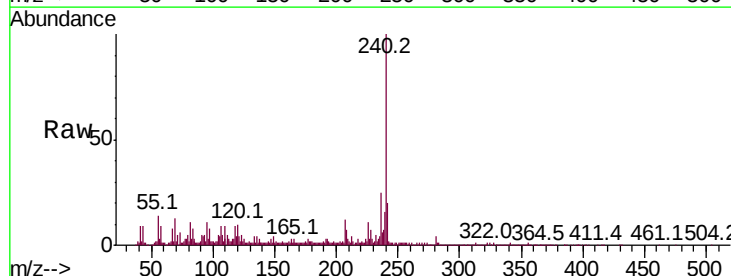
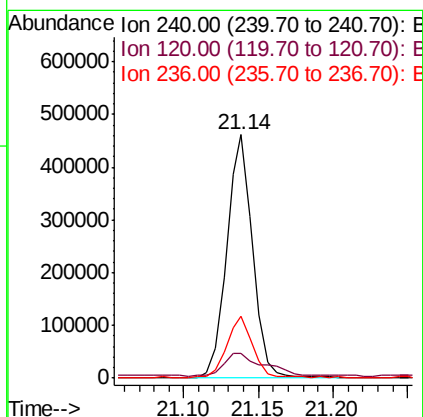
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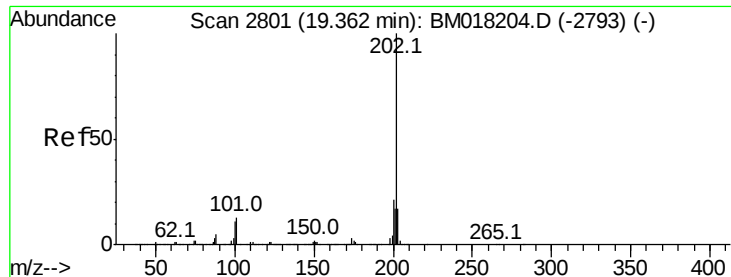
Sohil
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#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.14 min Scan# 3103
 Delta R.T. -0.01 min
 Lab File: BM018343.D
 Acq: 20 Dec 2018 22:59

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	10.3	8.2	12.2
236	25.2	20.3	30.5





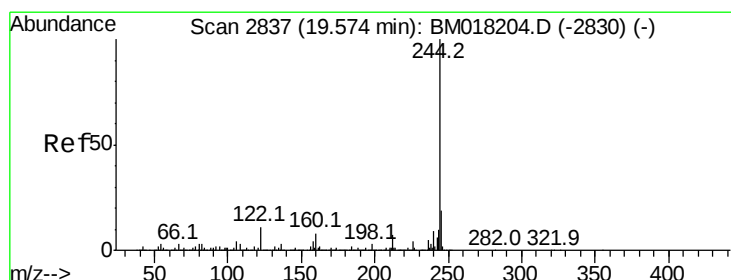
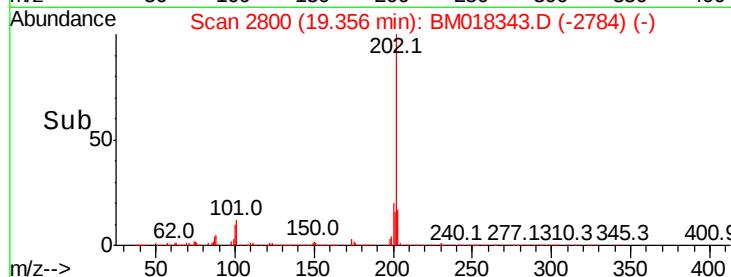
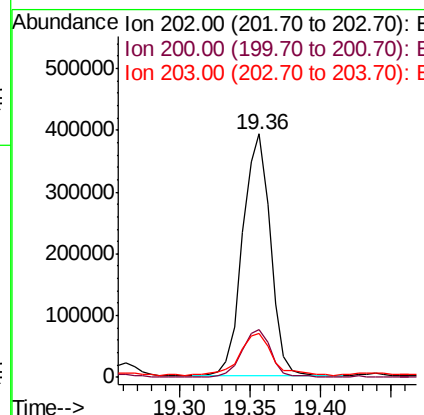
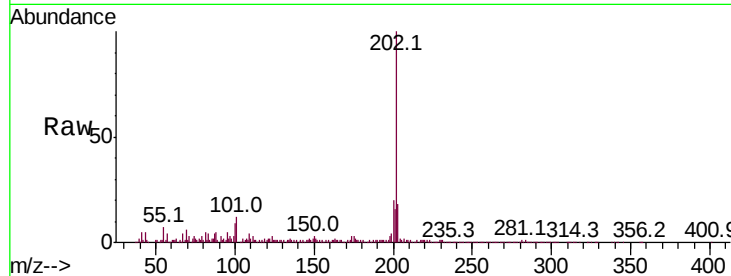
#78
Pvrene
Concen: 16.326 ng
RT: 19.36 min Scan# 2800
Delta R.T. -0.01 min
Lab File: BM018343.D
Acq: 20 Dec 2018 22:59

Instrument :
BNA_M
ClientSampleId :
P001-SS008-1218-01

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	19.8	16.5	24.7
203	18.0	14.0	21.0

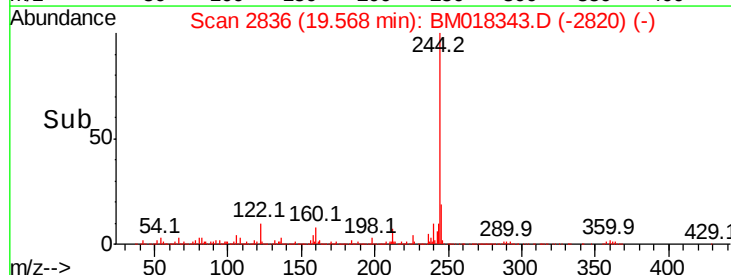
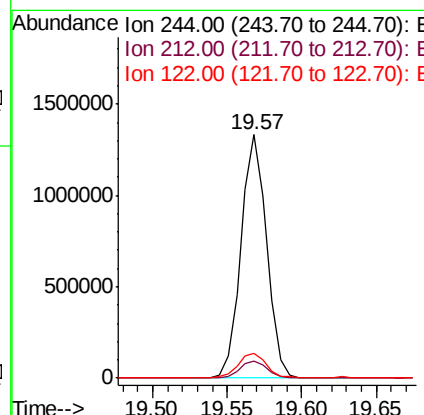
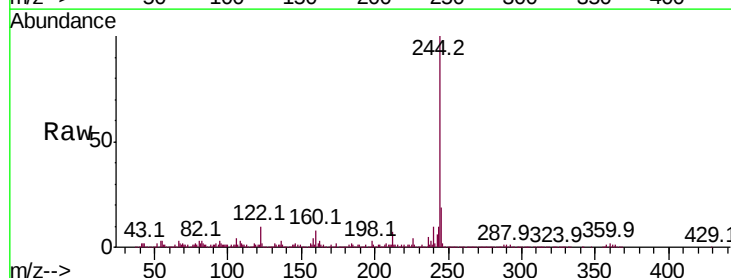
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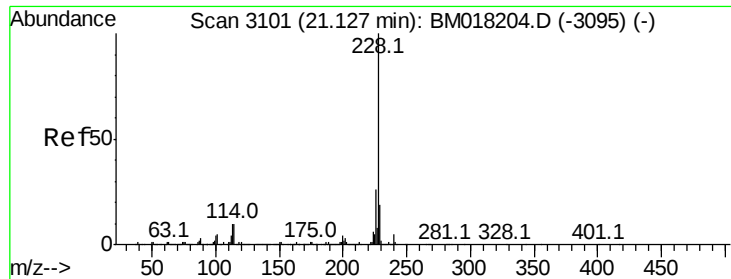
Sohil
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#79
Terphenyl-d14
Concen: 64.733 ng
RT: 19.57 min Scan# 2836
Delta R.T. -0.01 min
Lab File: BM018343.D
Acq: 20 Dec 2018 22:59

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.2	5.8	8.8
122	10.4	9.0	13.6





#81

Benzo(a)anthracene

Concen: 6.790 ng

RT: 21.12 min Scan# 3100

Delta R.T. -0.01 min

Lab File: BM018343.D

Acq: 20 Dec 2018 22:59

Instrument :

BNA_M

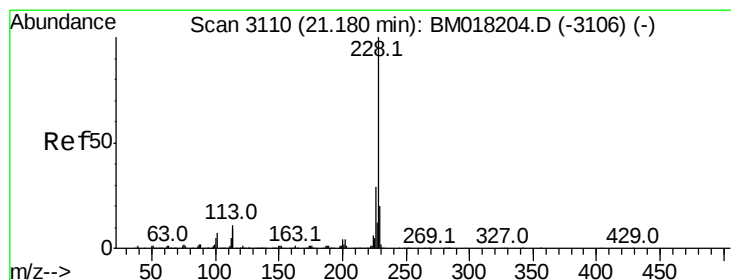
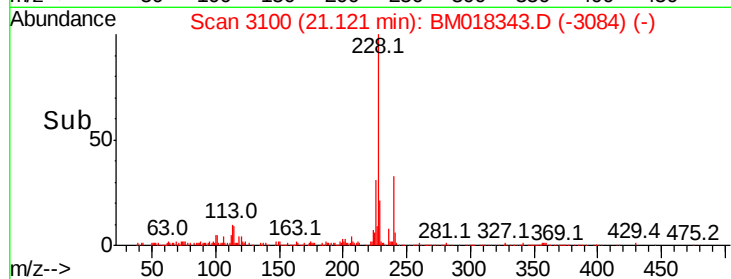
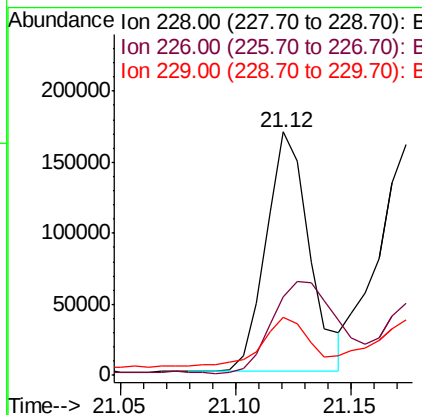
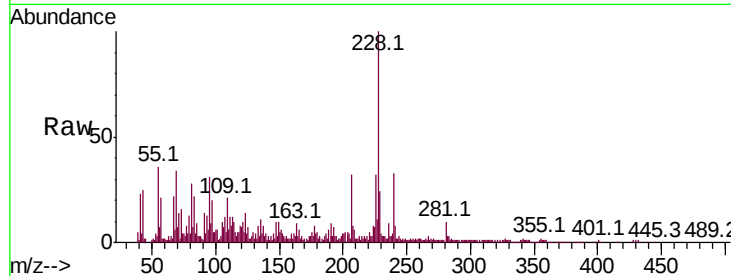
ClientSampleId :

P001-SS008-1218-01

Tot Ion:	228	Resp:	220116
Ion Ratio	Lower	Upper	
228	100		
226	32.0	21.0	31.4#
229	23.7	15.5	23.3#

Manual Integrations
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#83

Chrysene

Concen: 7.522 ng

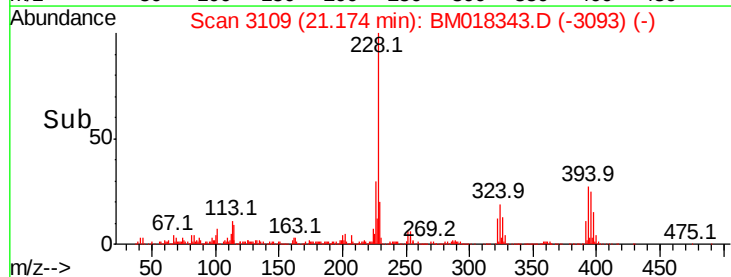
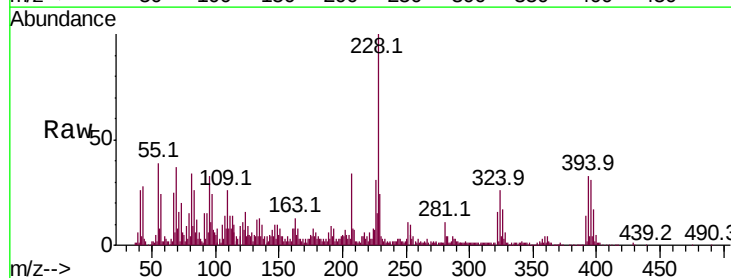
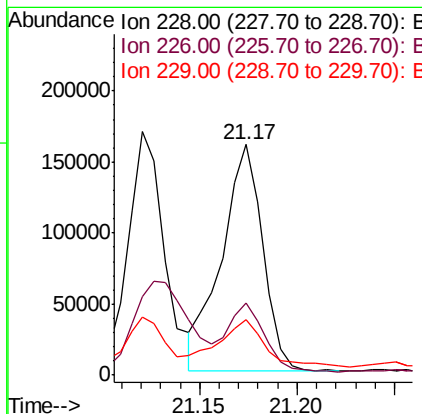
RT: 21.17 min Scan# 3109

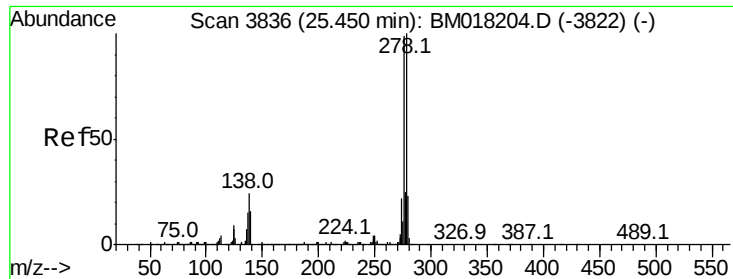
Delta R.T. -0.01 min

Lab File: BM018343.D

Acq: 20 Dec 2018 22:59

Tgt Ion:	228	Resp:	234526
Ion Ratio	Lower	Upper	
228	100		
226	31.1	23.1	34.7
229	23.9	15.8	23.6#





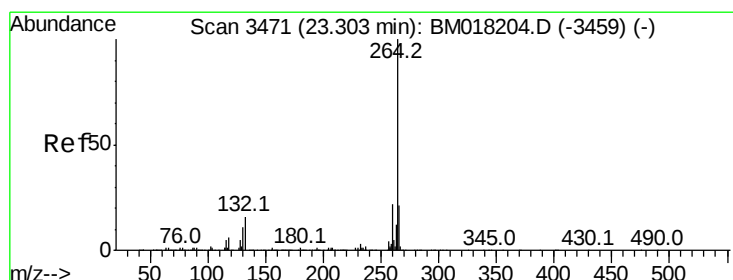
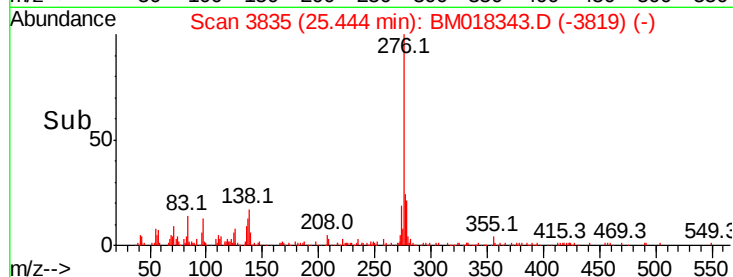
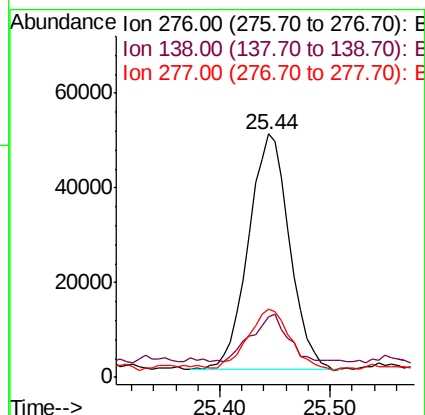
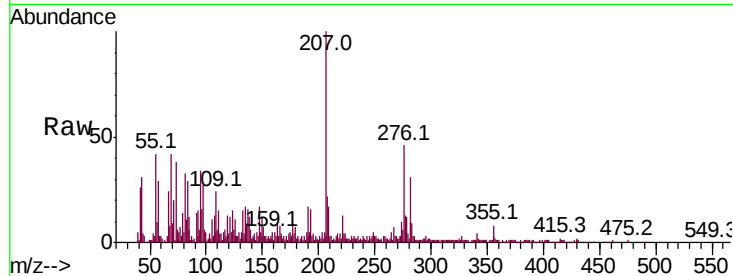
#86
Indeno(1,2,3-cd)pyrene
Concen: 4.143 ng
RT: 25.44 min Scan# 3835
Delta R.T. -0.01 min
Lab File: BM018343.D
Acq: 20 Dec 2018 22:59

Instrument :
BNA_M
ClientSampleId :
P001-SS008-1218-01

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.1	18.6	28.0#
277	26.6	20.3	30.5

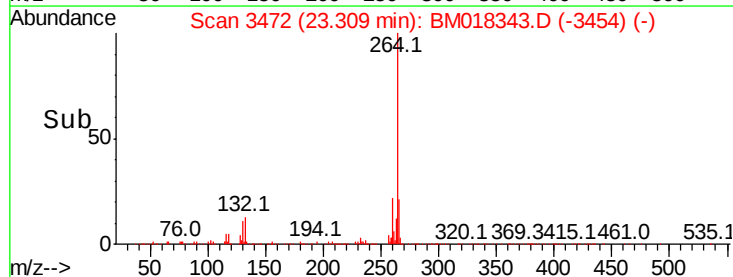
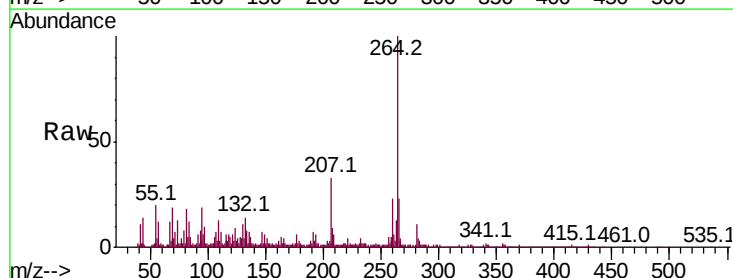
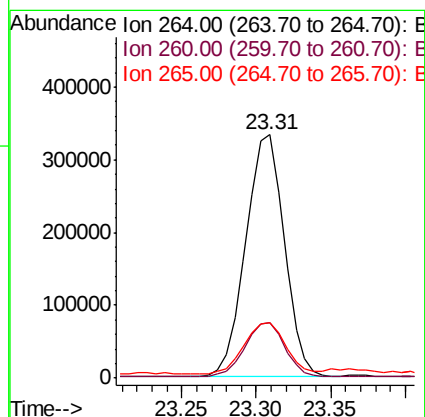
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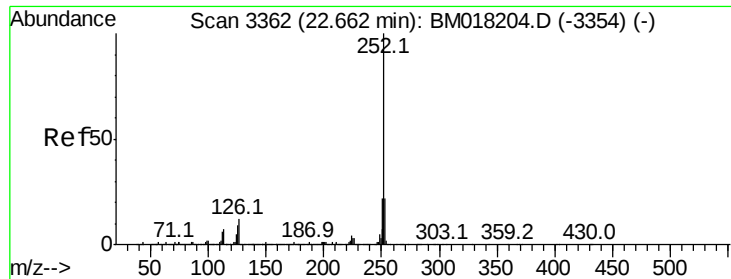
Sohil
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#87
Perylene-d12
Concen: 20.000 ng
RT: 23.31 min Scan# 3472
Delta R.T. 0.01 min
Lab File: BM018343.D
Acq: 20 Dec 2018 22:59

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.7	17.5	26.3
265	22.9	17.3	25.9





#88

Benzo(b)fluoranthene

Concen: 7.229 ng

RT: 22.67 min Scan# 3363

Delta R.T. 0.01 min

Lab File: BM018343.D

Acq: 20 Dec 2018 22:59

Instrument :

BNA_M

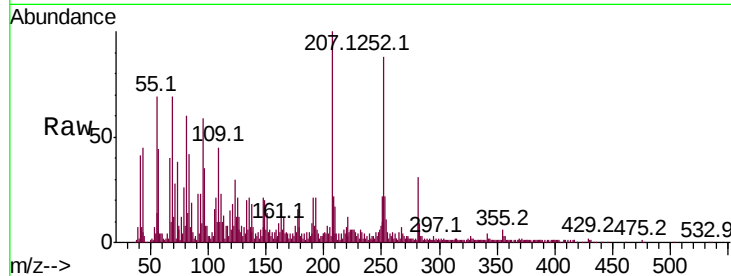
ClientSampleId :

P001-SS008-1218-01

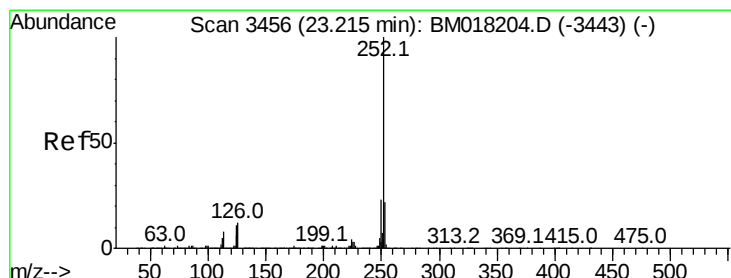
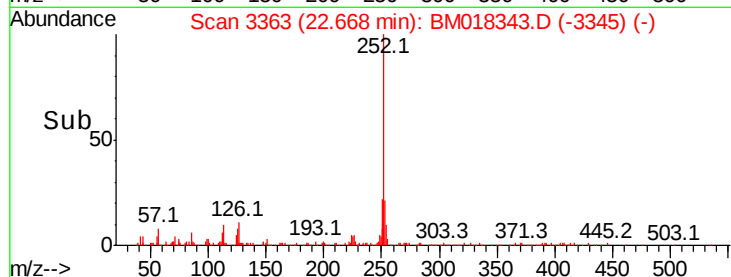
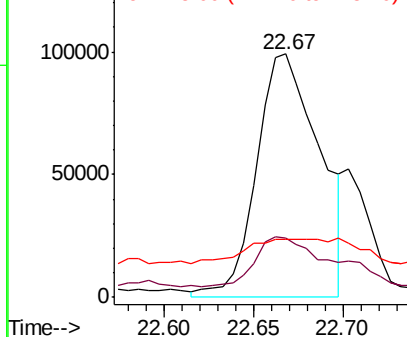
Tot Ion:	252	Resp:	243628
Ion Ratio	Lower	Upper	
252	100		
253	24.6	17.6	26.4
125	23.9	7.4	11.0#

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



#90

Benzo(a)pyrene

Concen: 7.097 ng

RT: 23.21 min Scan# 3455

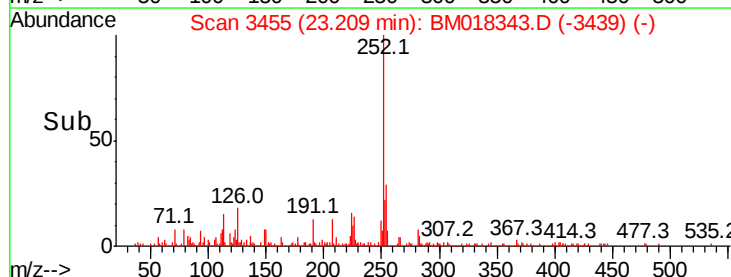
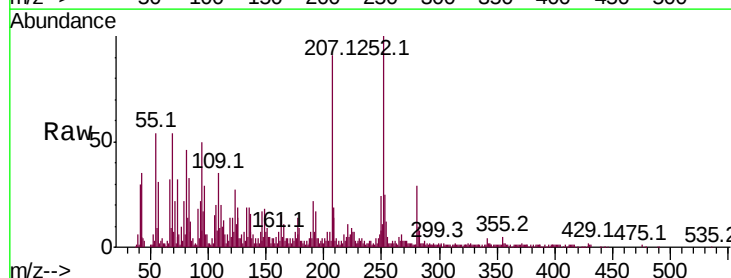
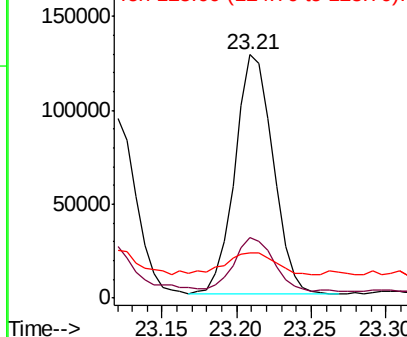
Delta R.T. -0.01 min

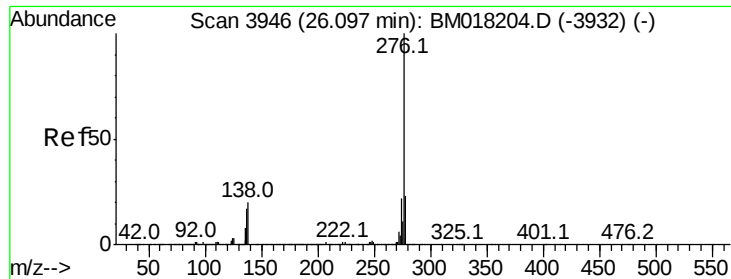
Lab File: BM018343.D

Acq: 20 Dec 2018 22:59

Tgt Ion:	252	Resp:	227478
Ion Ratio	Lower	Upper	
252	100		
253	24.9	17.6	26.4
125	18.6	8.6	12.8#

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





#92

Benzo(a,h,i)perylene

Concen: 6.655 ng

RT: 26.11 min Scan# 3948

Delta R.T. 0.01 min

Lab File: BM018343.D

Acq: 20 Dec 2018 22:59

Instrument :
BNA_M

ClientSampleId :
P001-SS008-1218-01

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.7	28.1
138	18.3	15.8	23.8

Manual Integrations
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