

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM010919\
 Data File : BM018479.D
 Acq On : 09 Jan 2019 18:54
 Operator : JU/SJ
 Sample : K1008-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 HD-02-010819

Manual Integrations
 APPROVED

Sohil
 1/10/2019 3:11:59 PM

Quant Time: Jan 10 06:15:37 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM010919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 09 12:39:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	421401	20.00	ng	0.00
21) Naphthalene-d8	10.55	136	1799876	20.00	ng	0.00
39) Acenaphthene-d10	14.41	164	1078603	20.00	ng	0.00
64) Phenanthrene-d10	17.16	188	2660052	20.00	ng	0.00
76) Chrysene-d12	21.36	240	2924161	20.00	ng	0.00
87) Perylene-d12	23.64	264	2542440	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	2185551	95.77	ng	0.00
7) Phenol-d6	6.93	99	2934597	101.24	ng	0.00
23) Nitrobenzene-d5	8.93	82	1753703	56.48	ng	0.00
42) 2,4,6-Tribromophenol	15.90	330	1449191	105.52	ng	0.00
45) 2-Fluorobiphenyl	13.03	172	4191341	50.71	ng	0.00
79) Terphenyl-d14	19.80	244	7780425	56.09	ng	0.01
Target Compounds						
10) Phenol	6.96	94	125529	4.262	ng	92
50) Dimethylphthalate	13.87	163	454818	5.134	ng	# 99
71) Phenanthrene	17.20	178	895568	6.330	ng	100
75) Fluoranthene	19.22	202	1069525	6.556	ng	97
78) Pyrene	19.59	202	889026	5.129	ng	99
81) Benzo(a)anthracene	21.34	228	418147	2.427	ng	95
83) Chrysene	21.39	228	343927	2.067	ng	95
88) Benzo(b)fluoranthene	22.95	252	397365m	2.753	ng	

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

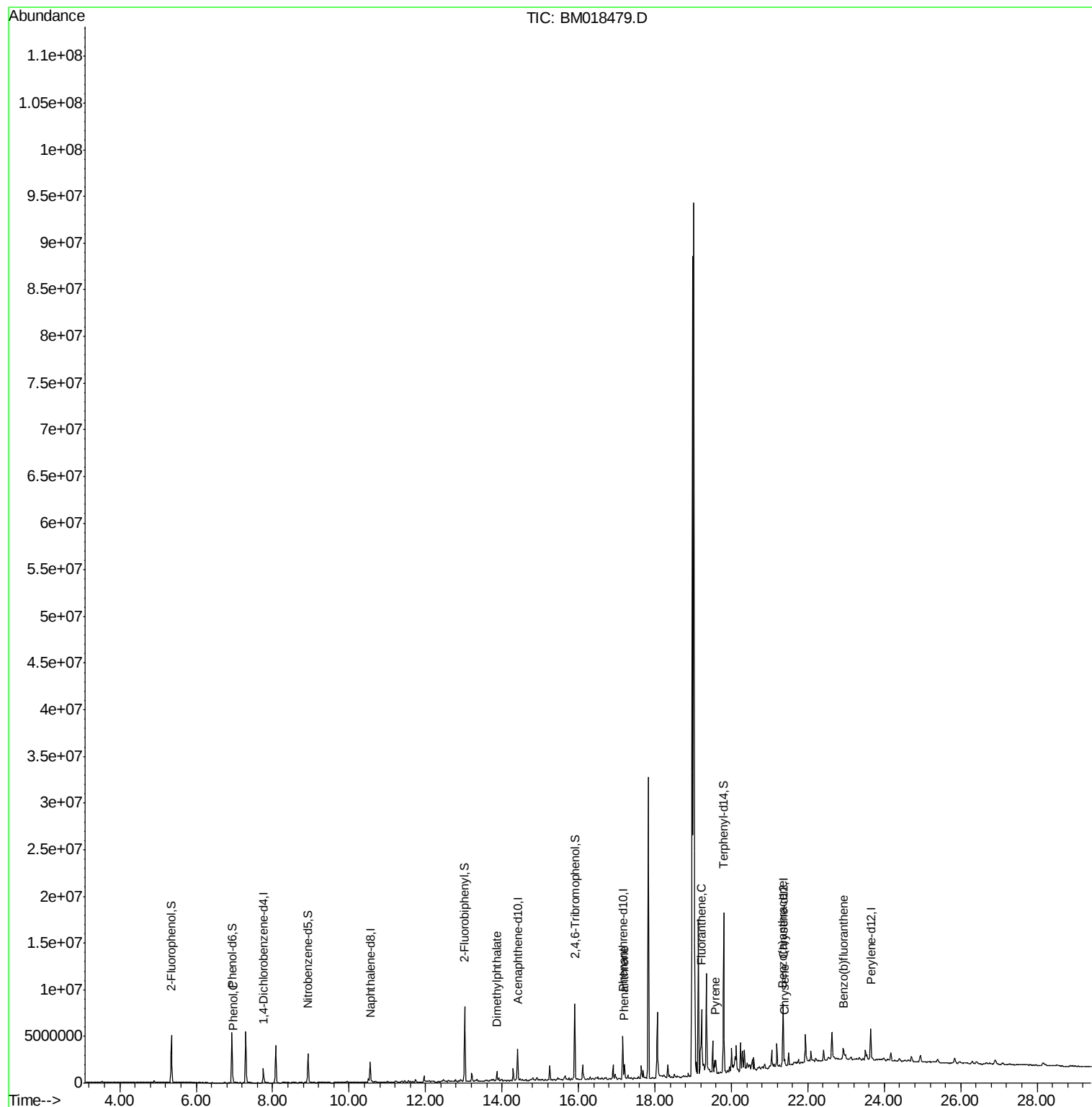
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM010919\
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Misc :
ALS Vial : 9 Sample Multiplier: 1

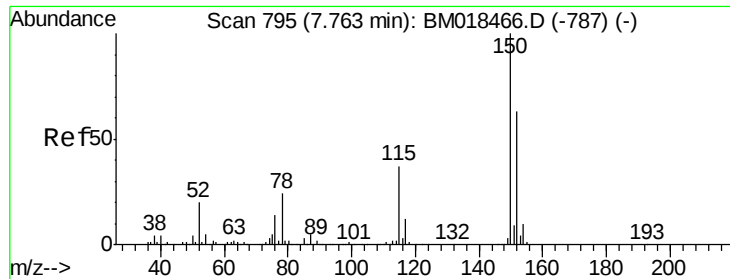
Instrument :
BNA_M
ClientSampleId :
HD-02-010819

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Quant Time: Jan 10 06:15:37 2019
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

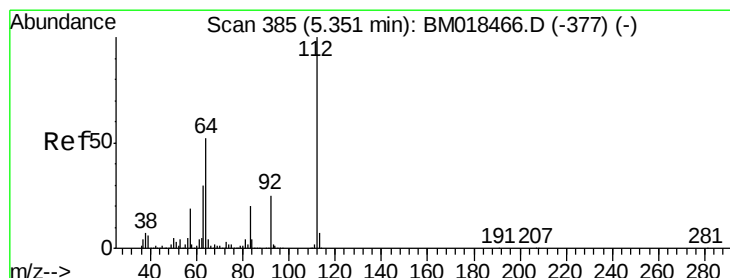
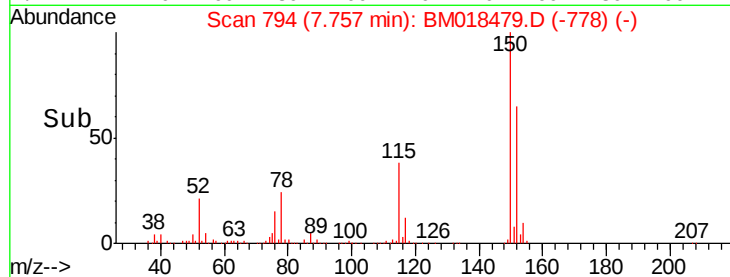
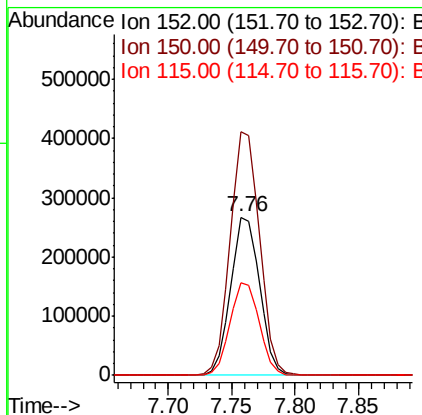
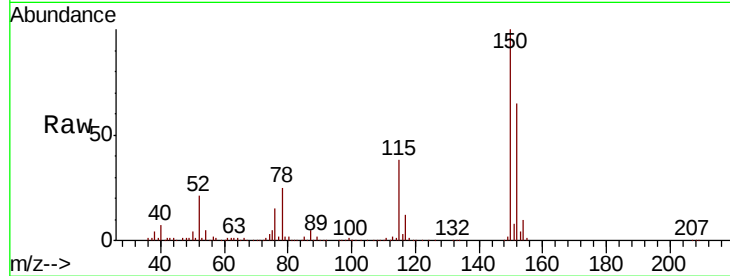
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.76 min Scan# 794
Delta R.T. -0.01 min
Lab File: BM018479.D
Acq: 09 Jan 2019 18:54

Instrument :
BNA_M
ClientSampled :
HD-02-010819

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.7	126.9	190.3
115	58.5	45.5	68.3

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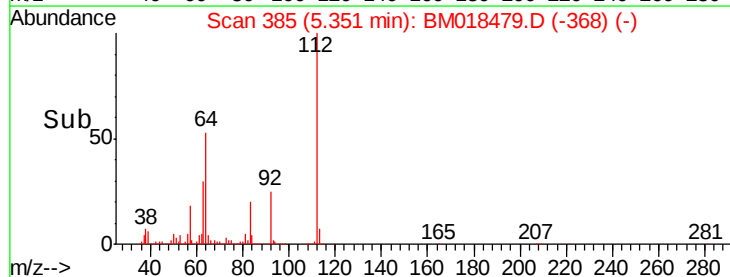
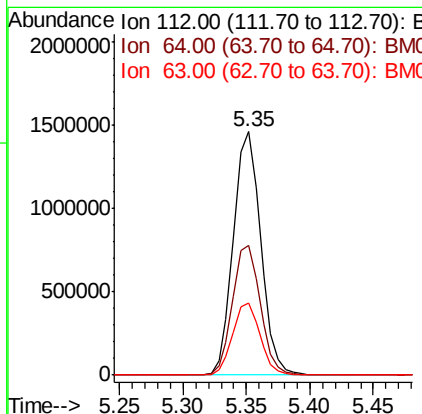
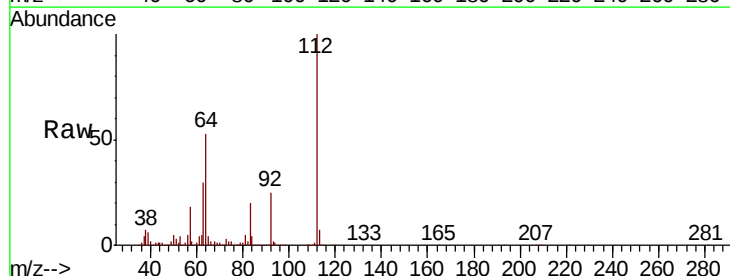
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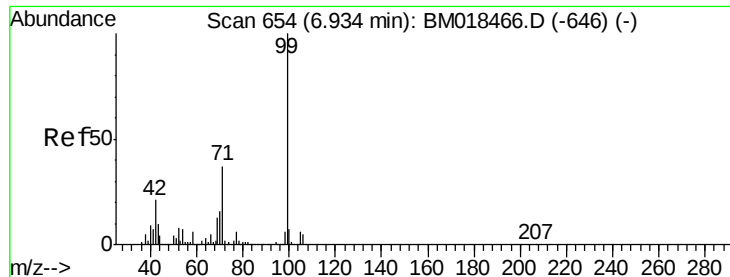


#5

2-Fluorophenol
Concen: 95.766 ng
RT: 5.35 min Scan# 385
Delta R.T. -0.00 min
Lab File: BM018479.D
Acq: 09 Jan 2019 18:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.2	46.5	69.7
63	29.7	25.2	37.8





#7

Phenol-d6

Concen: 101.241 ng

RT: 6.93 min Scan# 654

Delta R.T. -0.00 min

Lab File: BM018479.D

Acq: 09 Jan 2019 18:54

Instrument :

BNA_M

ClientSampleId :

HD-02-010819

Tot Ion: 99 Resp: 2934597

Ion Ratio Lower Upper

99 100

42 20.2 17.3 25.9

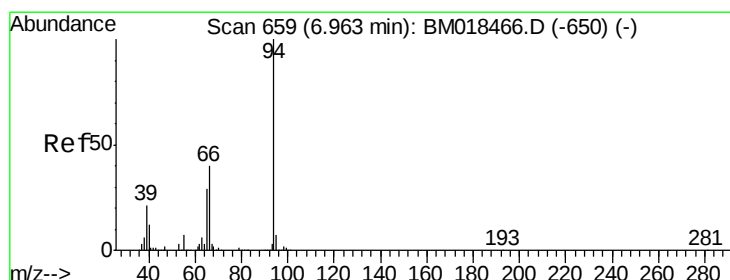
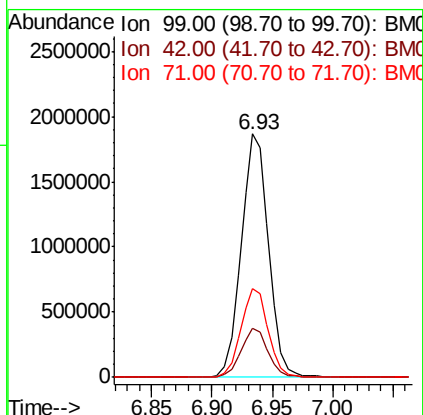
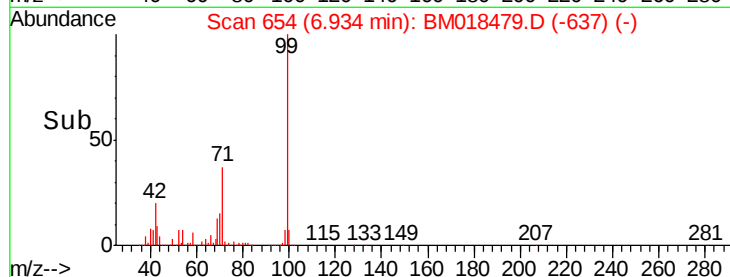
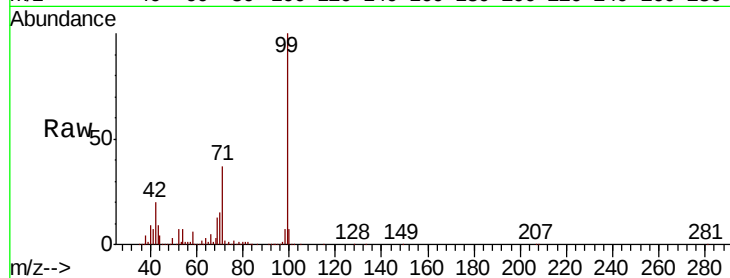
71 36.5 28.0 42.0

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#10

Phenol

Concen: 4.262 ng

RT: 6.96 min Scan# 659

Delta R.T. -0.00 min

Lab File: BM018479.D

Acq: 09 Jan 2019 18:54

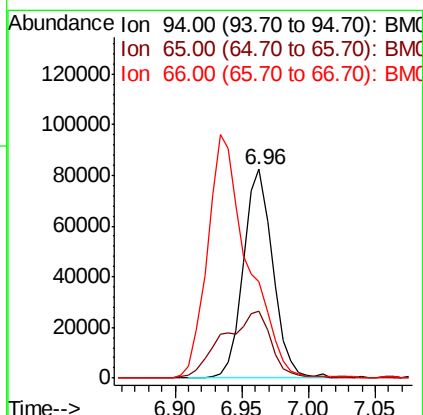
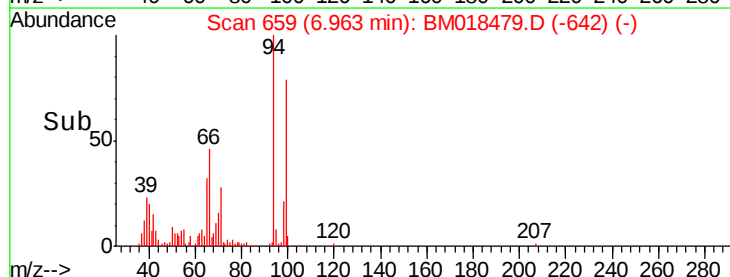
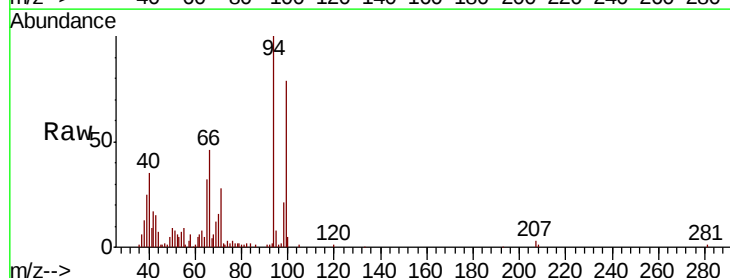
Tgt Ion: 94 Resp: 125529

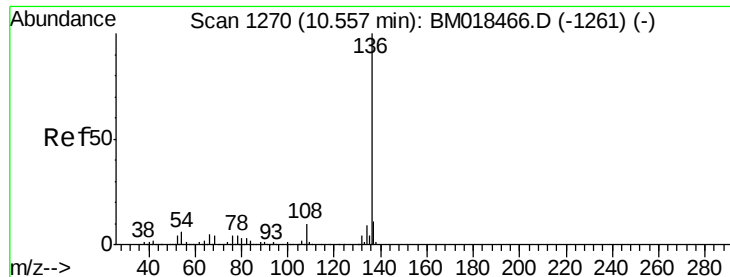
Ion Ratio Lower Upper

94 100

65 31.8 9.4 49.4

66 46.1 19.1 59.1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.55 min Scan# 1269

Delta R.T. -0.00 min

Lab File: BM018479.D

Acq: 09 Jan 2019 18:54

Instrument :

BNA_M

ClientSampleId :

HD-02-010819

Tot Ion:136 Resp: 1799876

Ion Ratio Lower Upper

136 100

137 10.6 8.5 12.7

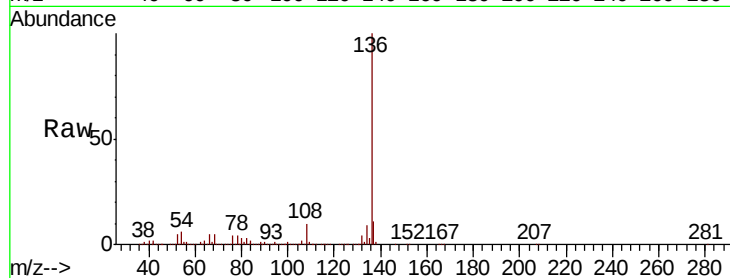
54 6.4 6.0 9.0

68 4.8 4.5 6.7

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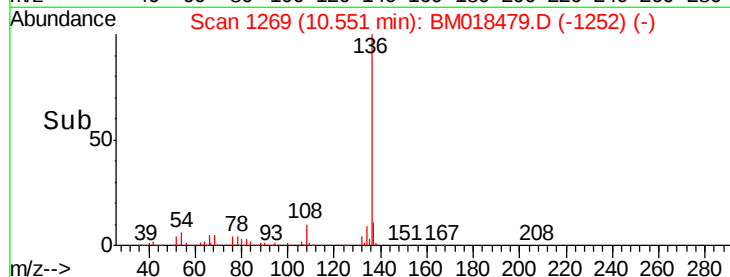


Abundance Ion 136.00 (135.70 to 136.70): E

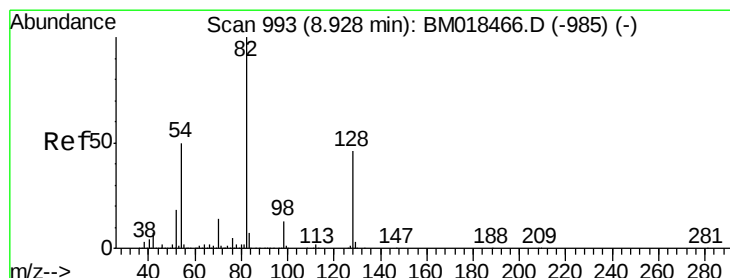
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



Time-->



#23

Nitrobenzene-d5

Concen: 56.484 ng

RT: 8.93 min Scan# 993

Delta R.T. 0.01 min

Lab File: BM018479.D

Acq: 09 Jan 2019 18:54

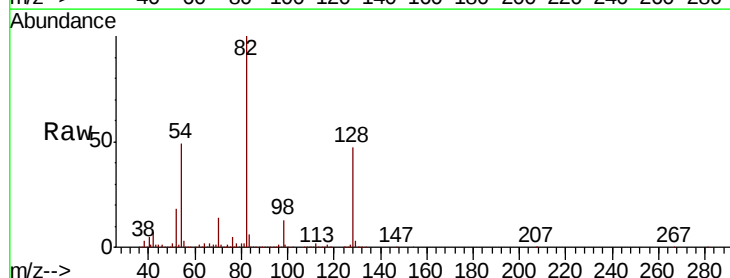
Tgt Ion: 82 Resp: 1753703

Ion Ratio Lower Upper

82 100

128 46.8 36.3 54.5

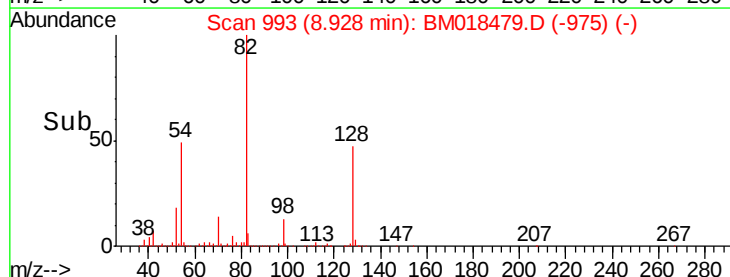
54 49.1 41.7 62.5



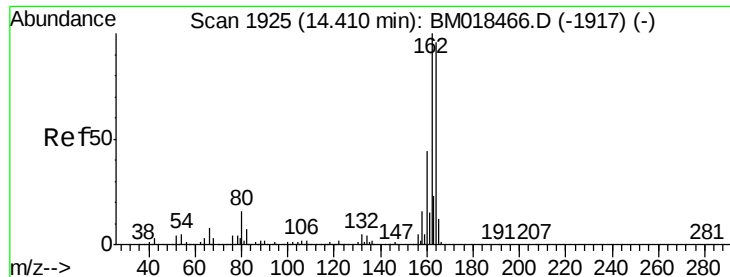
Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM



Time-->



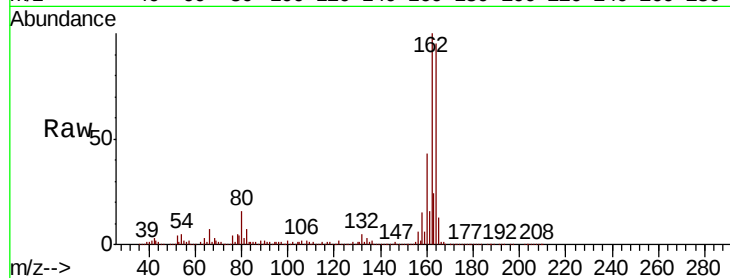
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.41 min Scan# 1925
Delta R.T. -0.00 min
Lab File: BM018479.D
Acq: 09 Jan 2019 18:54

Instrument :
BNA_M
ClientSampleId :
HD-02-010819

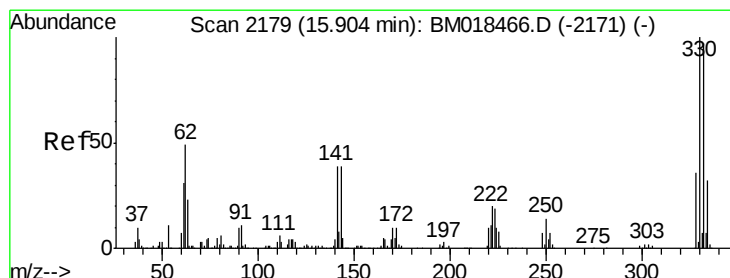
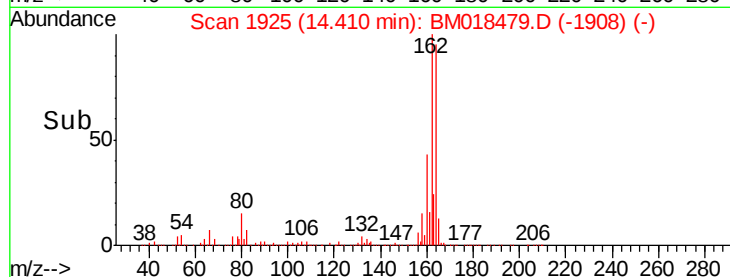
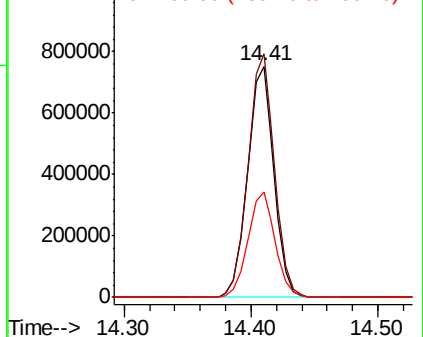
Tot Ion:164 Resp: 1078603
Ion Ratio Lower Upper
164 100
162 105.4 83.0 124.4
160 45.7 37.1 55.7

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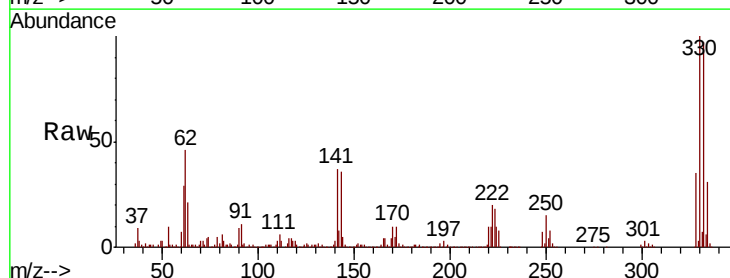


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

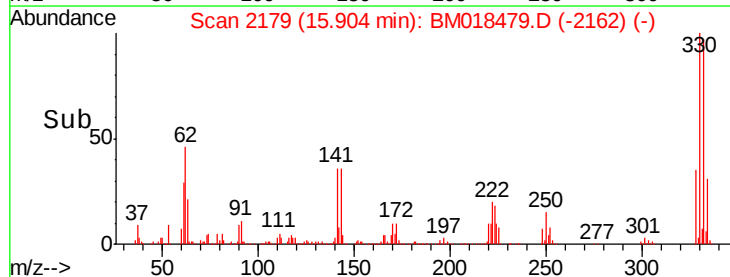
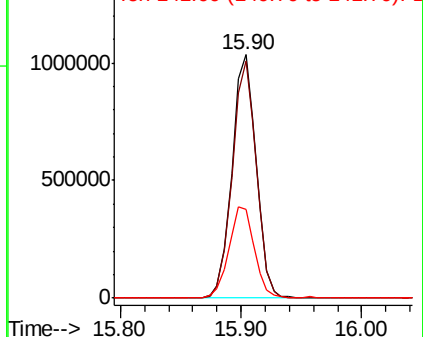


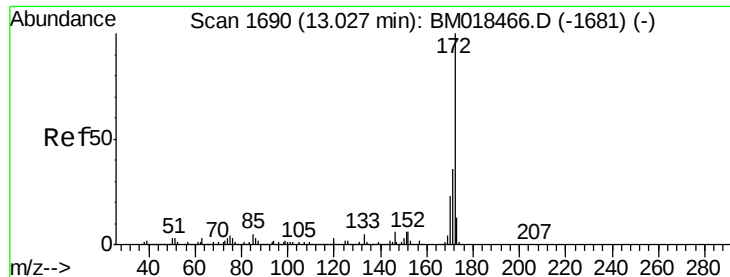
#42
2,4,6-Tribromophenol
Concen: 105.521 ng
RT: 15.90 min Scan# 2179
Delta R.T. -0.00 min
Lab File: BM018479.D
Acq: 09 Jan 2019 18:54

Tgt Ion:330 Resp: 1449191
Ion Ratio Lower Upper
330 100
332 96.8 77.6 116.4
141 38.9 31.7 47.5



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





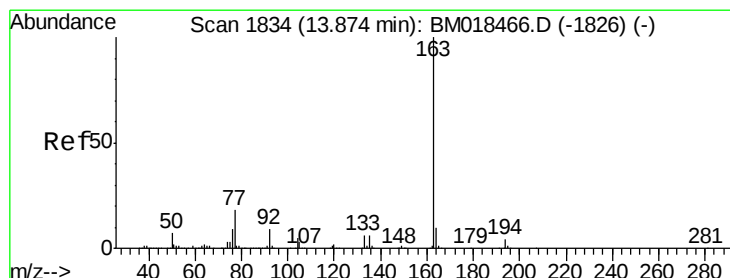
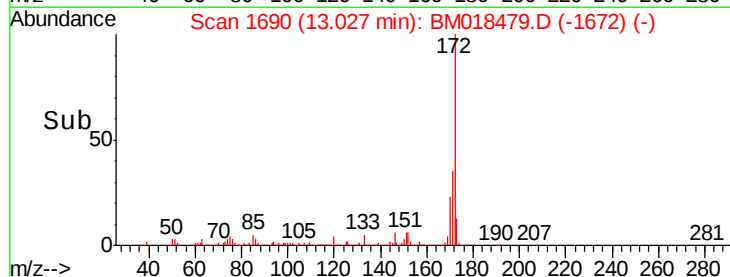
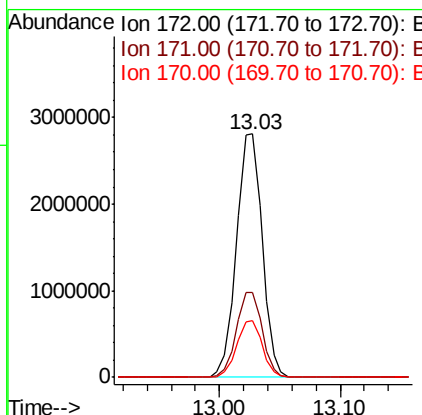
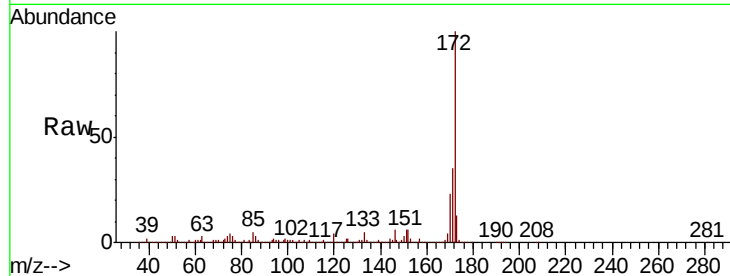
#45
2-Fluorobiphenyl
Concen: 50.706 ng
RT: 13.03 min Scan# 1690
Delta R.T. 0.01 min
Lab File: BM018479.D
Acq: 09 Jan 2019 18:54

Instrument :
BNA_M
ClientSampleId :
HD-02-010819

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.2	42.4
170	23.3	18.9	28.3

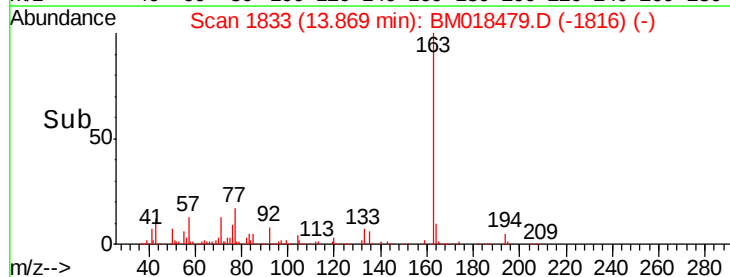
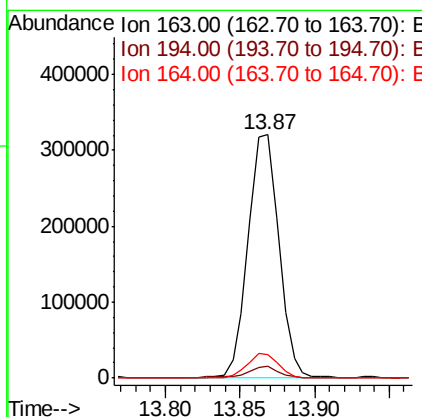
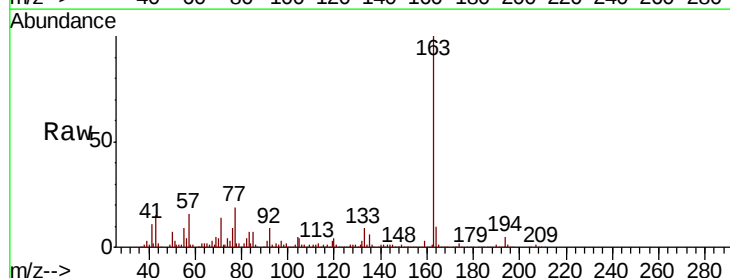
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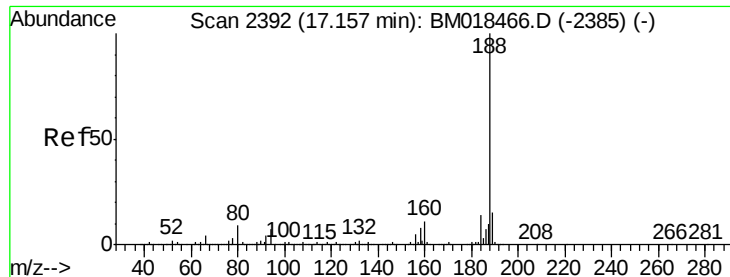
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#50
Dimethylphthalate
Concen: 5.134 ng
RT: 13.87 min Scan# 1833
Delta R.T. -0.00 min
Lab File: BM018479.D
Acq: 09 Jan 2019 18:54

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.7	3.0	4.6#
164	9.7	7.8	11.8





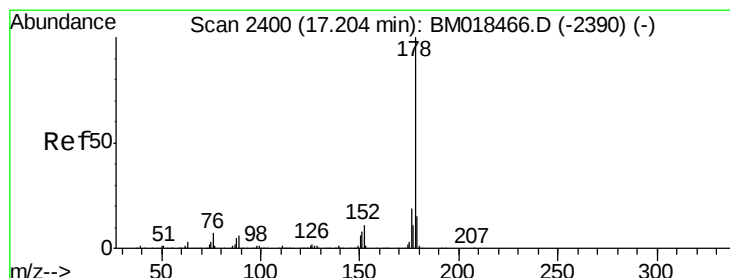
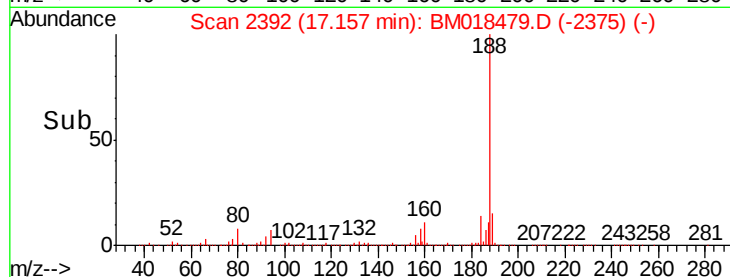
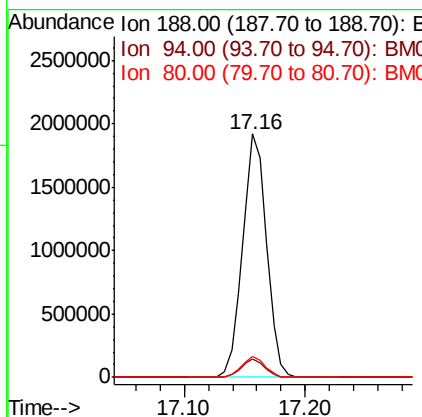
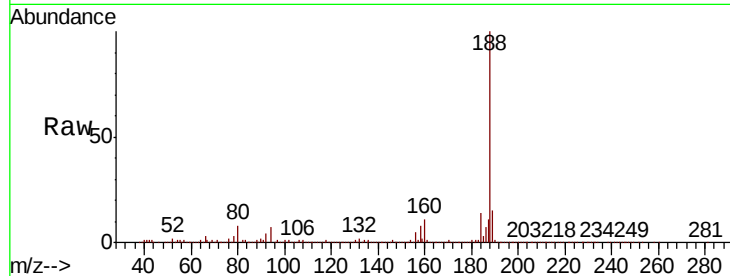
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.16 min Scan# 2392
Delta R.T. -0.00 min
Lab File: BM018479.D
Acq: 09 Jan 2019 18:54

Instrument :
BNA_M
ClientSampled :
HD-02-010819

Tot Ion	Ratio	Lower	Upper
188	100		
94	7.4	7.1	10.7
80	8.4	7.6	11.4

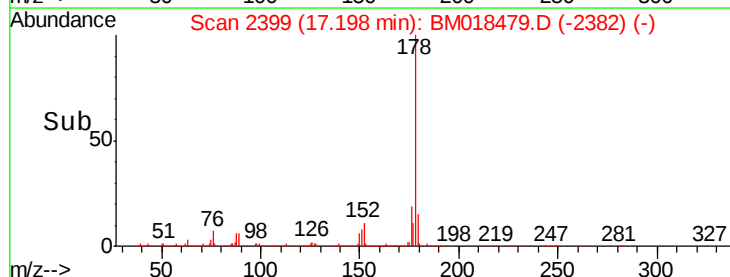
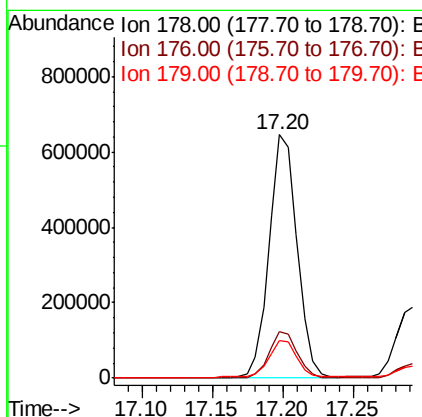
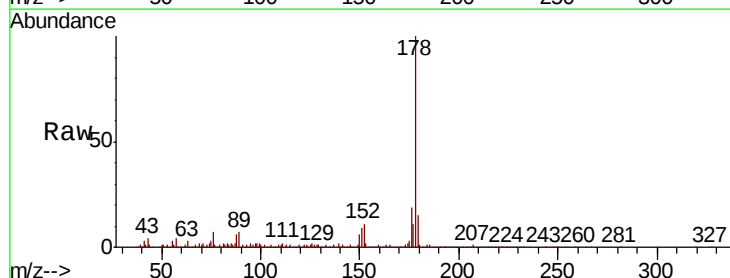
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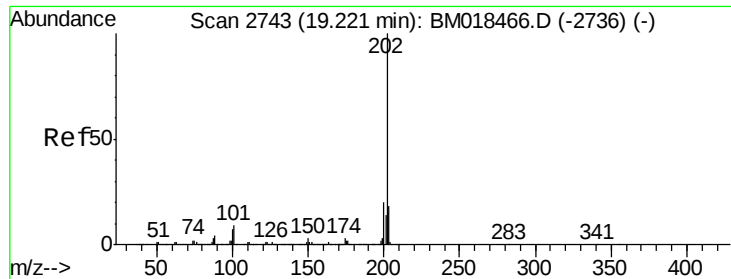
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#71
Phenanthrene
Concen: 6.330 ng
RT: 17.20 min Scan# 2399
Delta R.T. -0.00 min
Lab File: BM018479.D
Acq: 09 Jan 2019 18:54

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.0
179	15.2	12.2	18.4





#75

Fluoranthene

Concen: 6.556 ng

RT: 19.22 min Scan# 2743

Delta R.T. -0.00 min

Lab File: BM018479.D

Acq: 09 Jan 2019 18:54

Instrument :

BNA_M

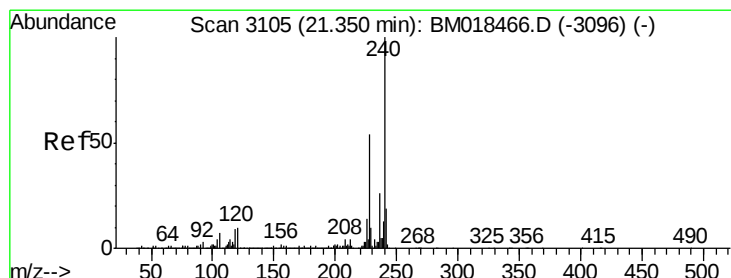
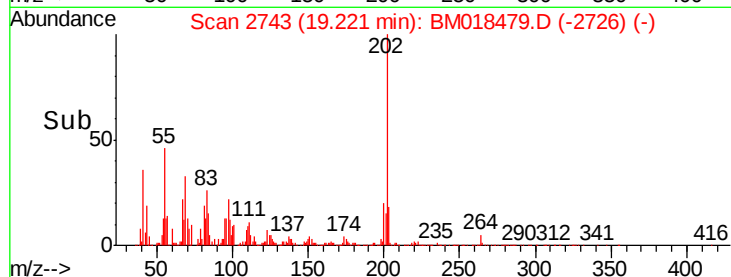
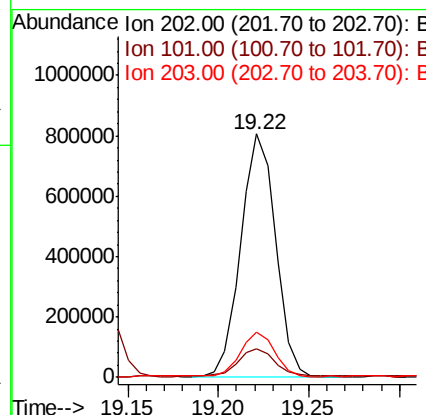
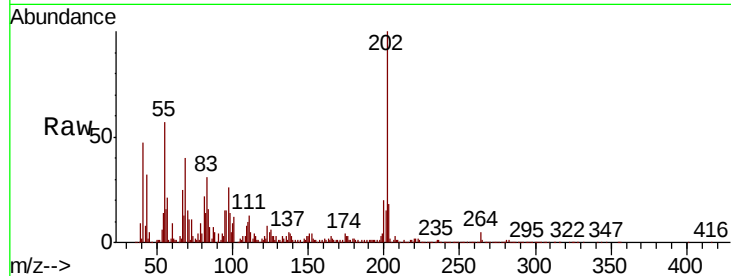
ClientSampleId :

HD-02-010819

Tot Ion:	202	Resp:	1069525
Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	30.9
203	18.5	0.0	37.4

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

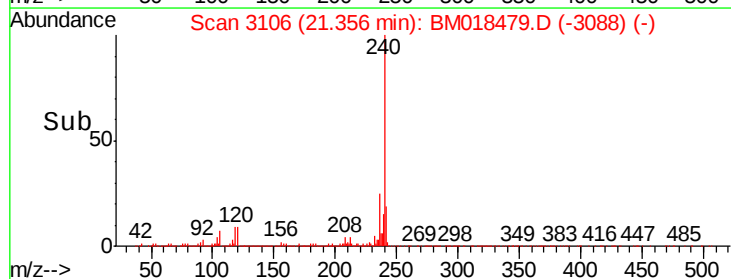
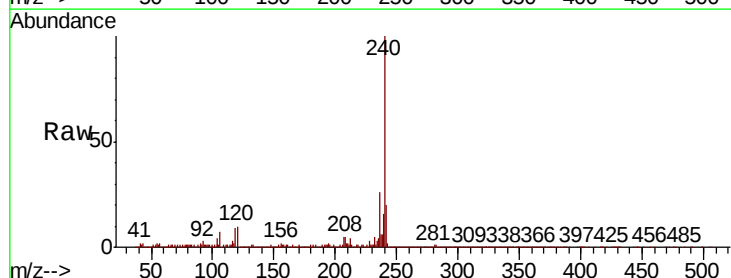
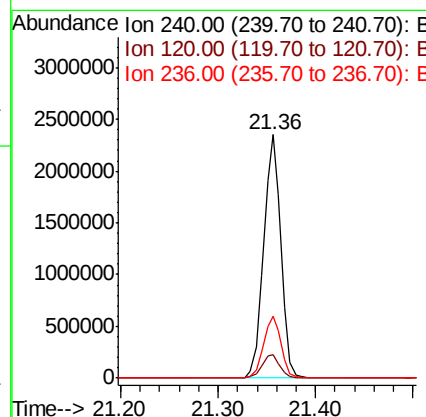
RT: 21.36 min Scan# 3106

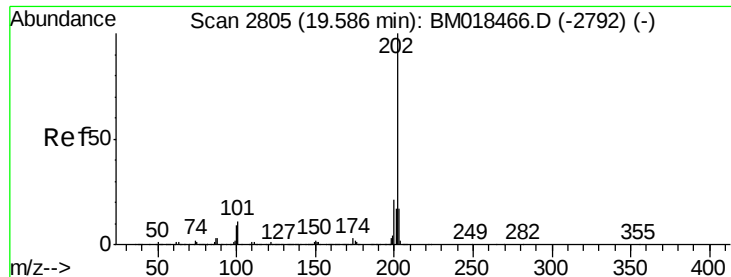
Delta R.T. 0.01 min

Lab File: BM018479.D

Acq: 09 Jan 2019 18:54

Tgt Ion:	240	Resp:	2924161
Ion	Ratio	Lower	Upper
240	100		
120	9.5	8.4	12.6
236	25.6	20.7	31.1





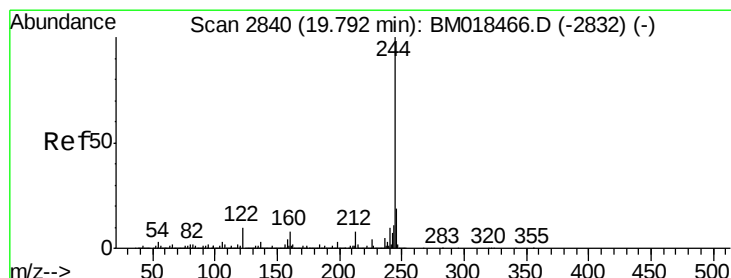
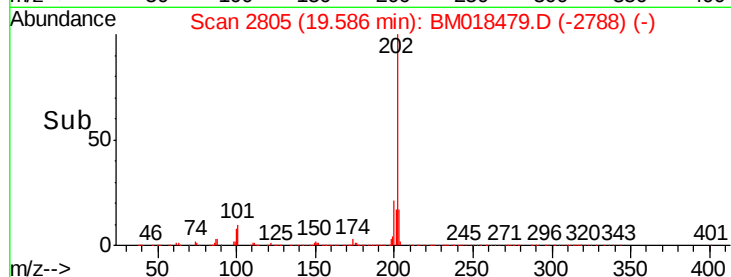
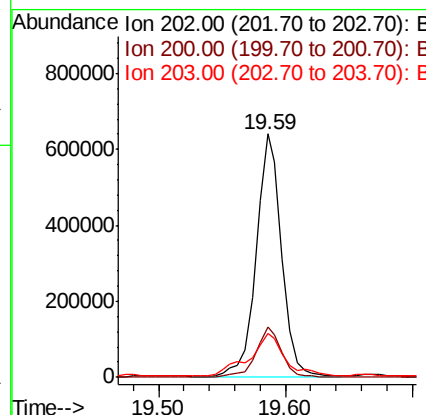
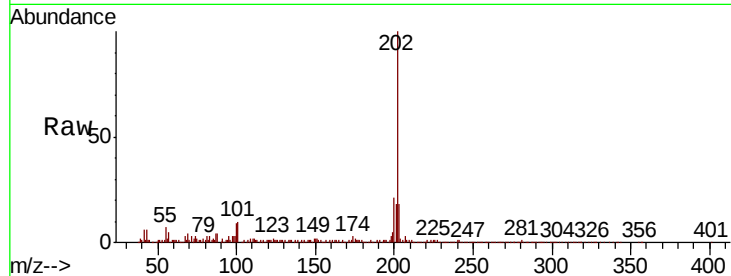
#78
Pvrene
Concen: 5.129 ng
RT: 19.59 min Scan# 2805
Delta R.T. -0.00 min
Lab File: BM018479.D
Acq: 09 Jan 2019 18:54

Instrument :
BNA_M
ClientSampleId :
HD-02-010819

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	24.8
203	18.3	13.8	20.8

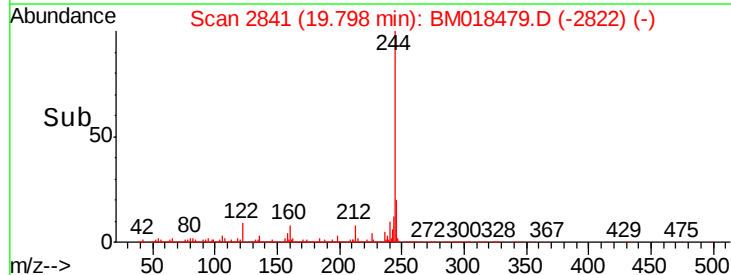
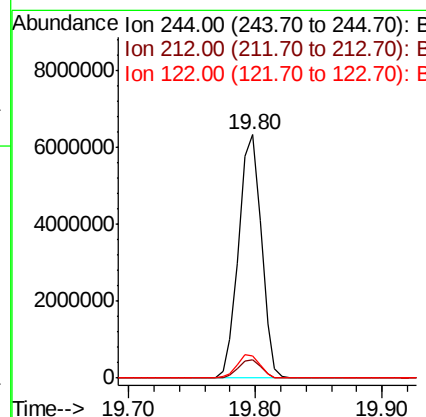
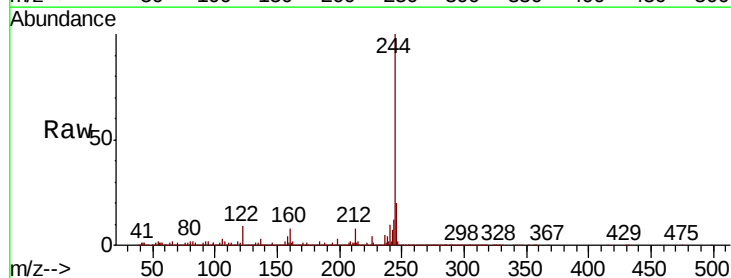
Manual Integrations
APPROVED

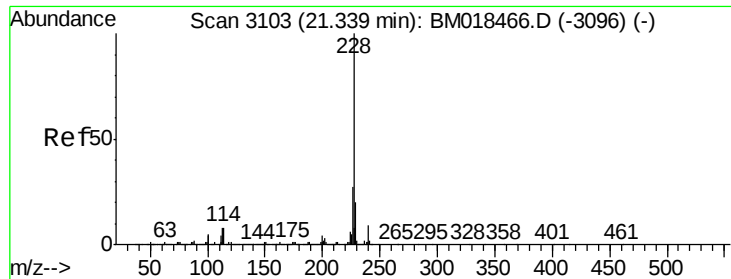
Sohil
1/10/2019 3:11:59 PM



#79
Terphenyl-d14
Concen: 56.089 ng
RT: 19.80 min Scan# 2841
Delta R.T. 0.01 min
Lab File: BM018479.D
Acq: 09 Jan 2019 18:54

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.9	8.9
122	9.3	9.0	13.4





#81

Benzo(a)anthracene

Concen: 2.427 ng

RT: 21.34 min Scan# 3103

Delta R.T. 0.01 min

Lab File: BM018479.D

Acq: 09 Jan 2019 18:54

Instrument :

BNA_M

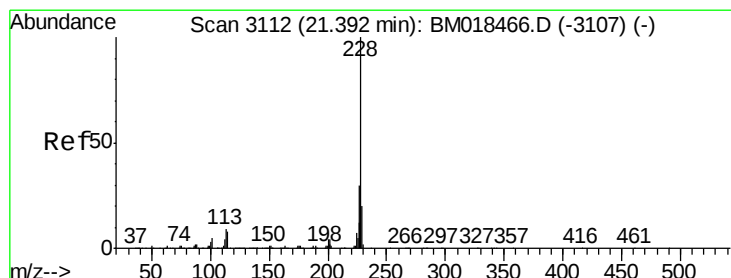
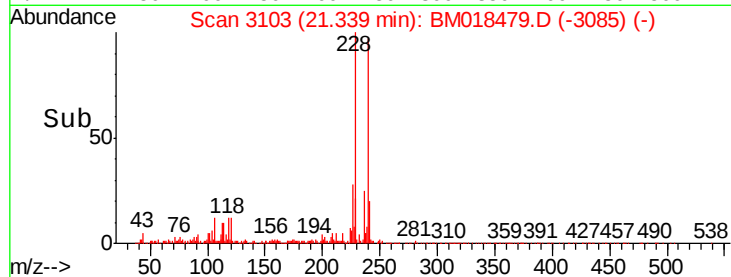
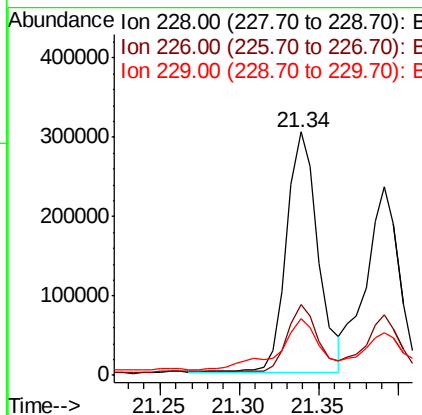
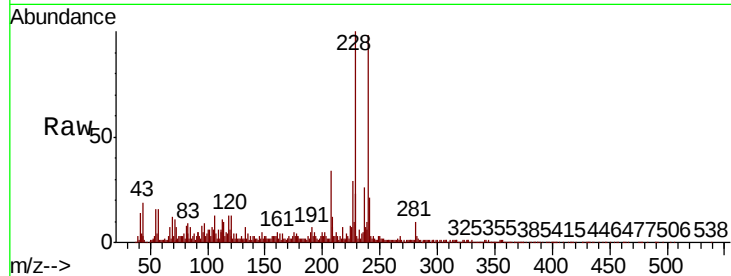
ClientSampleId :

HD-02-010819

Tot Ion:	228	Resp:	418147
Ion Ratio	Lower	Upper	
228	100		
226	29.2	21.8	32.6
229	23.1	15.8	23.8

Manual Integrations
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1/10/2019 3:11:59 PM



#83

Chrysene

Concen: 2.067 ng

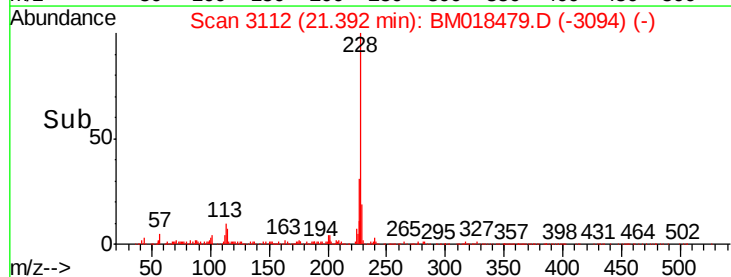
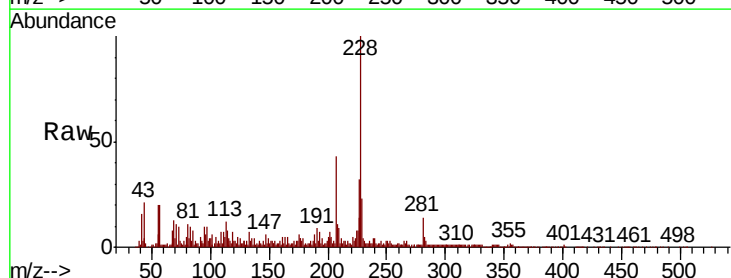
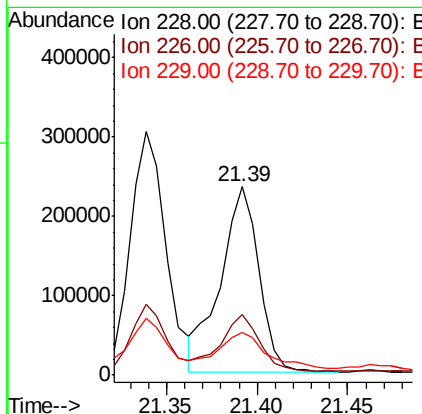
RT: 21.39 min Scan# 3112

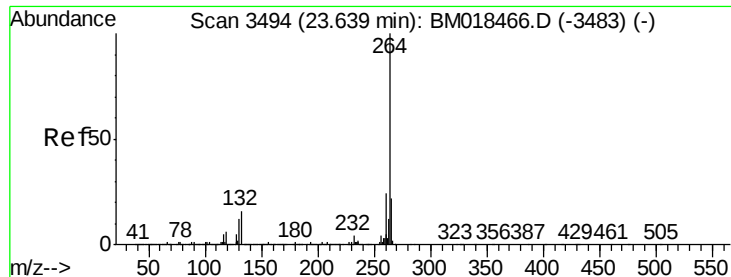
Delta R.T. 0.01 min

Lab File: BM018479.D

Acq: 09 Jan 2019 18:54

Tgt Ion:	228	Resp:	343927
Ion Ratio	Lower	Upper	
228	100		
226	32.1	24.2	36.2
229	22.5	15.6	23.4





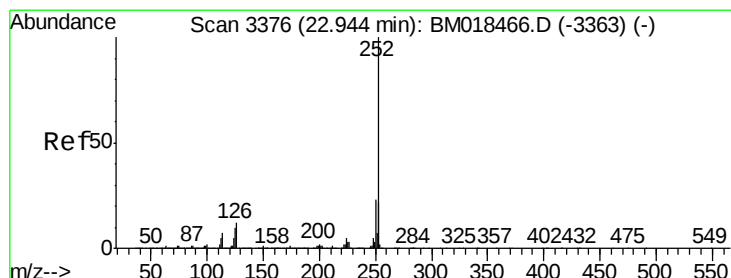
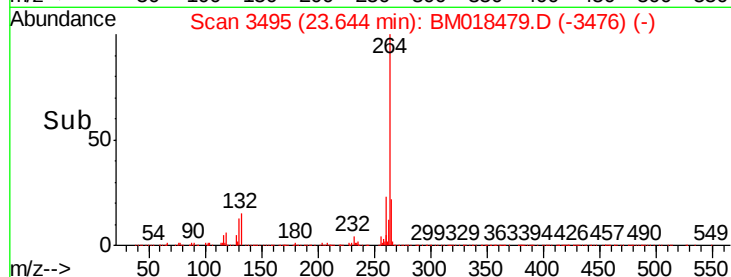
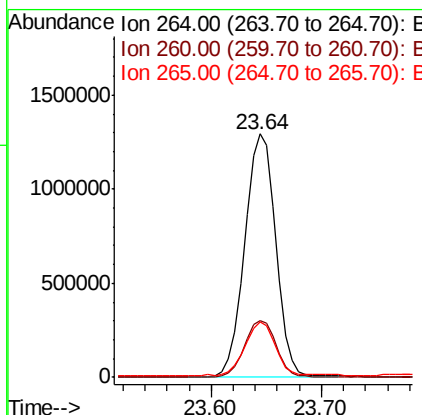
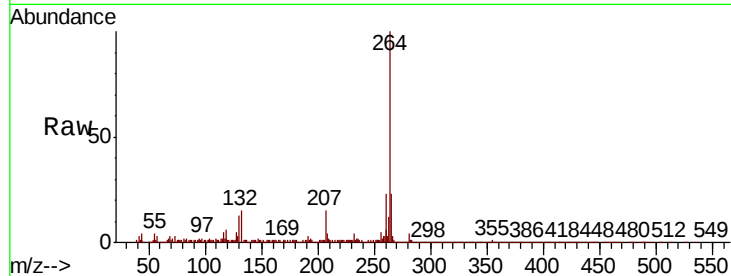
#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 23.64 min Scan# 3495
 Delta R.T. 0.01 min
 Lab File: BM018479.D
 Acq: 09 Jan 2019 18:54

Instrument :
 BNA_M
 ClientSampleId :
 HD-02-010819

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.9	28.3
265	22.6	16.8	25.2

Manual Integrations
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Sohil
 1/10/2019 3:11:59 PM



#88
 Benzo(b)fluoranthene
 Concen: 2.753 ng m
 RT: 22.95 min Scan# 3377
 Delta R.T. 0.01 min
 Lab File: BM018479.D
 Acq: 09 Jan 2019 18:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	31.4	17.6	26.4#
125	15.3	8.5	12.7#

