

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM030519\
 Data File : BM019058.D
 Acq On : 06 Mar 2019 05:28
 Operator : JU/SJ
 Sample : K1704-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PST-027-B114-022719

Quant Time: Mar 06 06:49:23 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 05 03:36:13 2019
 Response via : Initial Calibration

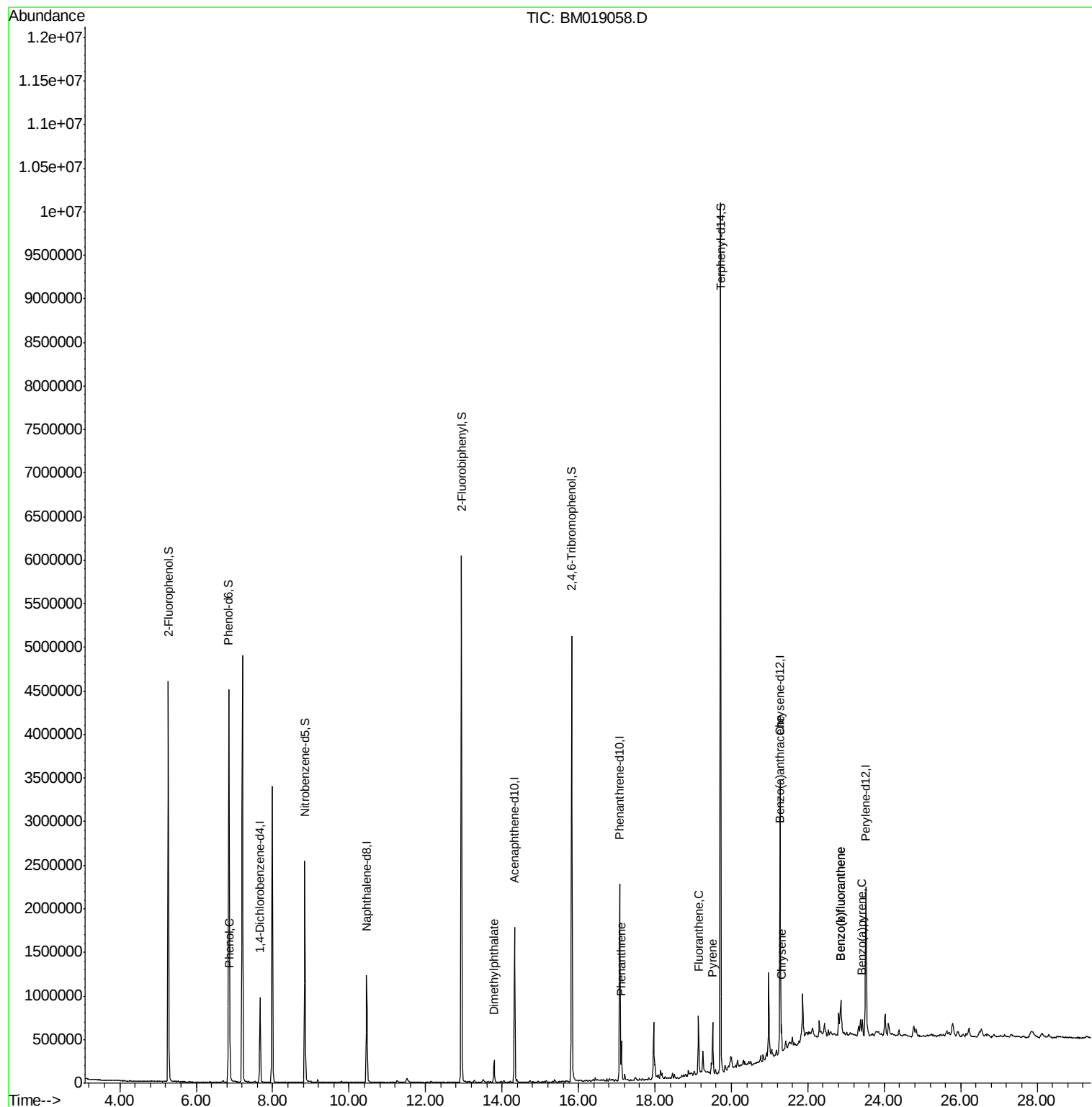
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	260553	20.00	ng	0.00
21) Naphthalene-d8	10.46	136	1020273	20.00	ng	-0.01
39) Acenaphthene-d10	14.33	164	555742	20.00	ng	0.00
64) Phenanthrene-d10	17.08	188	1236681	20.00	ng	0.00
76) Chrysene-d12	21.27	240	1253828	20.00	ng	-0.01
87) Perylene-d12	23.52	264	1191356	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	1905676	119.84	ng	0.00
7) Phenol-d6	6.85	99	2654894	118.51	ng	0.00
23) Nitrobenzene-d5	8.84	82	1661917	75.32	ng	-0.01
42) 2,4,6-Tribromophenol	15.83	330	980782	122.43	ng	0.00
45) 2-Fluorobiphenyl	12.94	172	3003737	71.75	ng	-0.01
79) Terphenyl-d14	19.72	244	4300377	70.75	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.85	77	9055	Below Cal		Qvalue # 28
10) Phenol	6.88	94	203267	8.623	ng	100
50) Dimethylphthalate	13.79	163	165127	3.565	ng	100
71) Phenanthrene	17.12	178	241961	3.641	ng	100
75) Fluoranthene	19.14	202	370926	4.832	ng	99
78) Pyrene	19.51	202	338790	4.652	ng	99
81) Benzo(a)anthracene	21.26	228	189203	2.589	ng	97
83) Chrysene	21.32	228	166899	2.382	ng	98
88) Benzo(b)fluoranthene	22.84	252	185429	2.720	ng	# 94
89) Benzo(k)fluoranthene	22.84	252	183053	2.698	ng	# 93
90) Benzo(a)pyrene	23.42	252	129257	2.002	ng	# 95

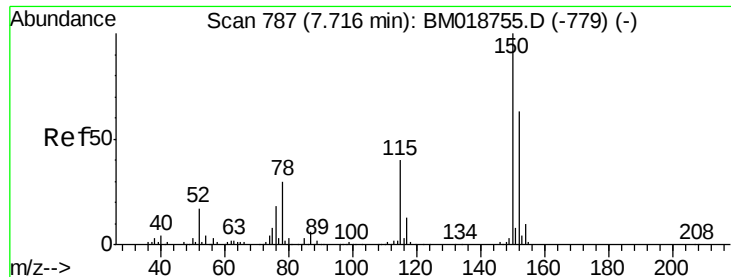
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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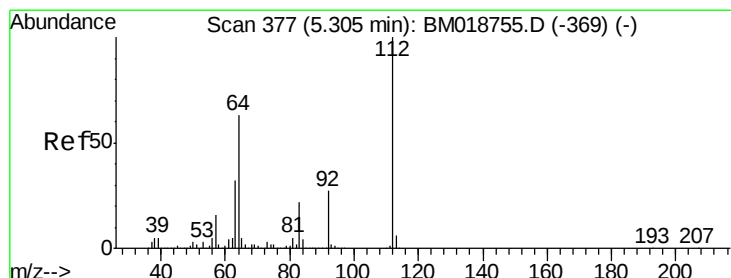
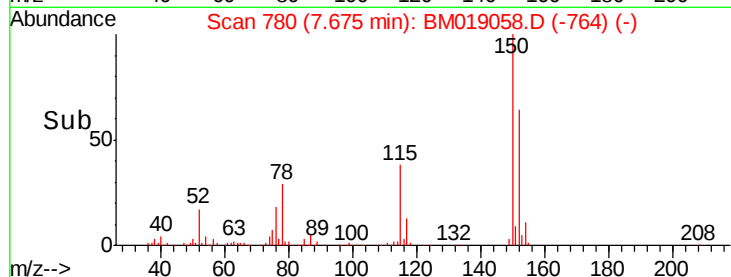
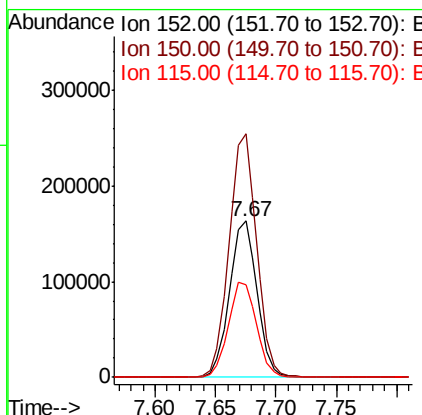
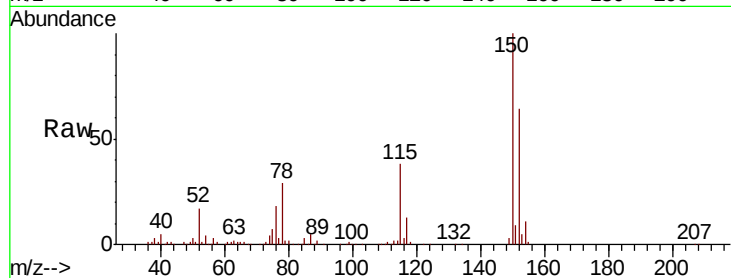




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.67 min Scan# 780
 Delta R.T. -0.01 min
 Lab File: BM019058.D
 Acq: 06 Mar 2019 05:28

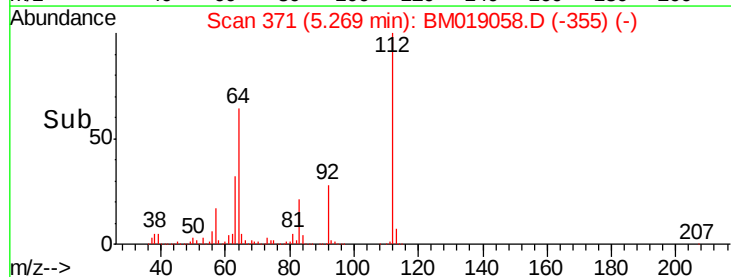
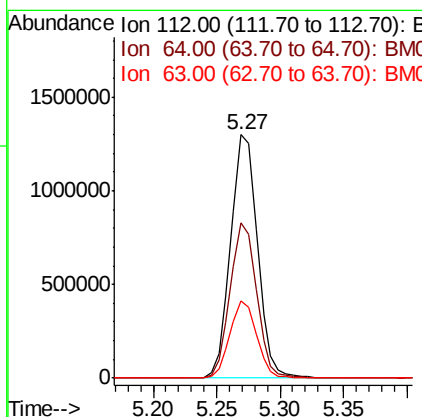
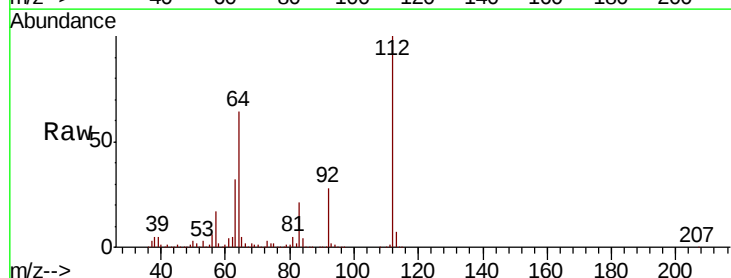
Instrument :
 BNA_M
 ClientSampleId :
 PST-027-B114-022719

Tgt Ion:152 Resp: 260553
 Ion Ratio Lower Upper
 152 100
 150 156.0 127.3 190.9
 115 59.5 50.8 76.2



#5
 2-Fluorophenol
 Concen: 119.837 ng
 RT: 5.27 min Scan# 371
 Delta R.T. -0.01 min
 Lab File: BM019058.D
 Acq: 06 Mar 2019 05:28

Tgt Ion:112 Resp: 1905676
 Ion Ratio Lower Upper
 112 100
 64 63.8 50.6 75.8
 63 31.7 25.7 38.5





#7

Phenol-d6

Concen: 118.510 ng

RT: 6.85 min Scan# 640

Delta R.T. -0.01 min

Lab File: BM019058.D

Acq: 06 Mar 2019 05:28

Instrument :

BNA_M

ClientSampleId :

PST-027-B114-022719

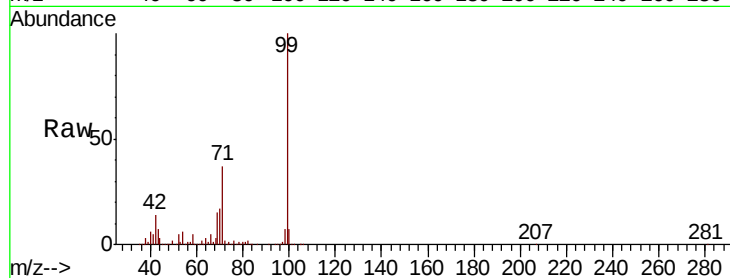
Tgt Ion: 99 Resp: 2654894

Ion Ratio Lower Upper

99 100

42 13.6 11.0 16.6

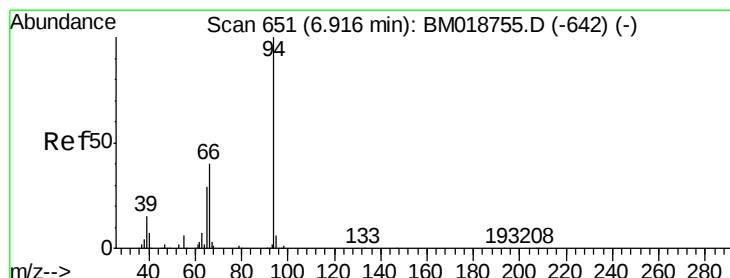
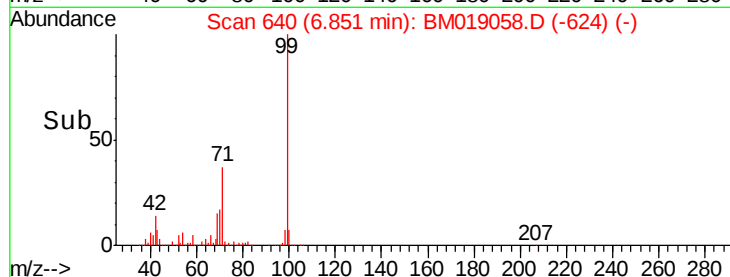
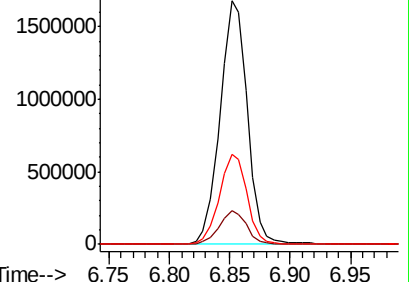
71 37.2 31.3 46.9



Abundance Ion 99.00 (98.70 to 99.70): BM018755.D (-637) (-)

Ion 42.00 (41.70 to 42.70): BM018755.D (-637) (-)

Ion 71.00 (70.70 to 71.70): BM018755.D (-637) (-)



#10

Phenol

Concen: 8.623 ng

RT: 6.88 min Scan# 645

Delta R.T. -0.01 min

Lab File: BM019058.D

Acq: 06 Mar 2019 05:28

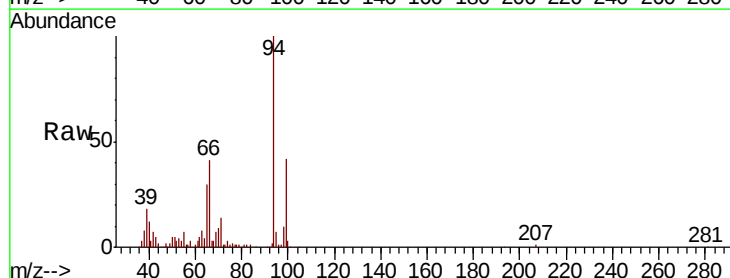
Tgt Ion: 94 Resp: 203267

Ion Ratio Lower Upper

94 100

65 29.7 9.6 49.6

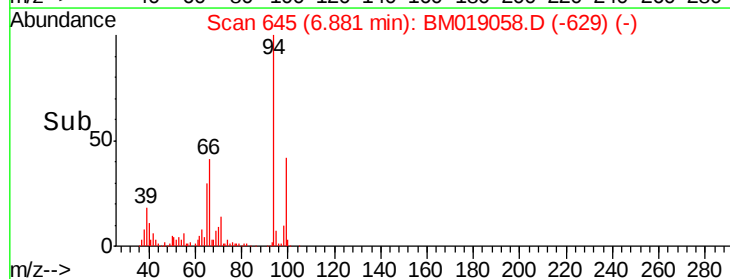
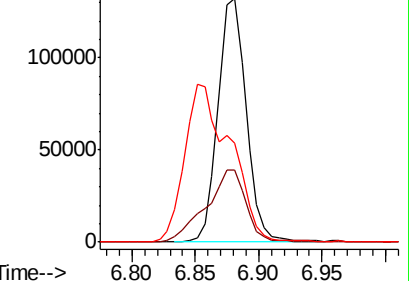
66 40.6 20.4 60.4

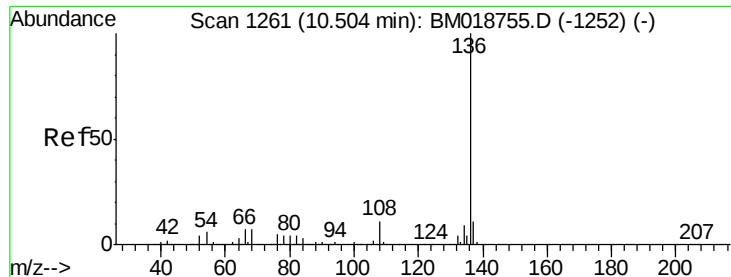


Abundance Ion 94.00 (93.70 to 94.70): BM018755.D (-642) (-)

Ion 65.00 (64.70 to 65.70): BM018755.D (-642) (-)

Ion 66.00 (65.70 to 66.70): BM018755.D (-642) (-)

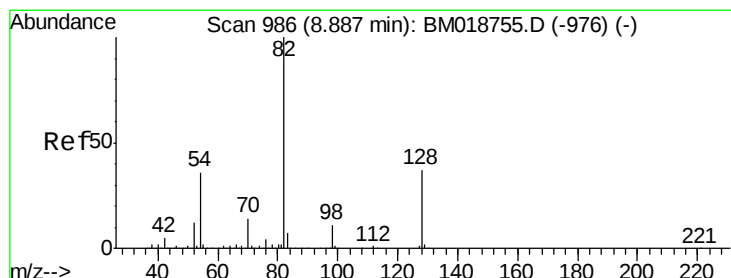
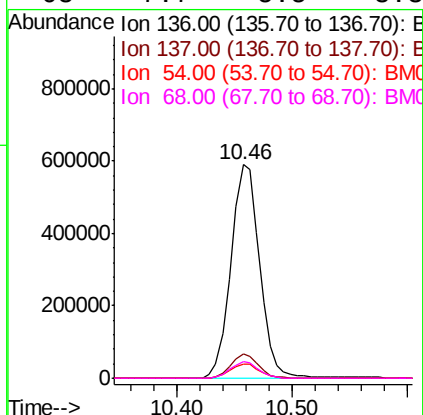
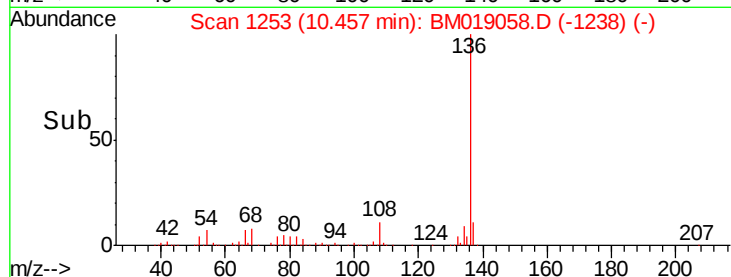
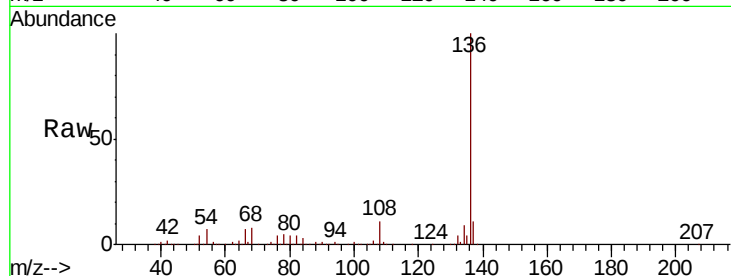




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.46 min Scan# 1253
Delta R.T. -0.01 min
Lab File: BM019058.D
Acq: 06 Mar 2019 05:28

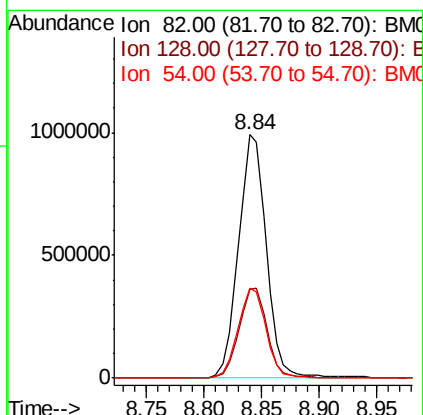
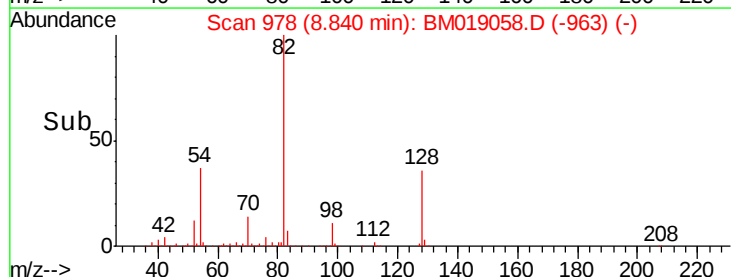
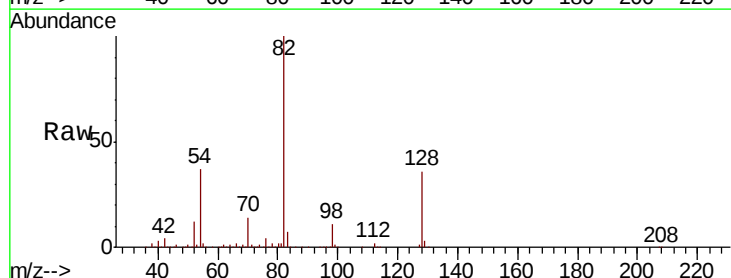
Instrument :
BNA_M
ClientSampleId :
PST-027-B114-022719

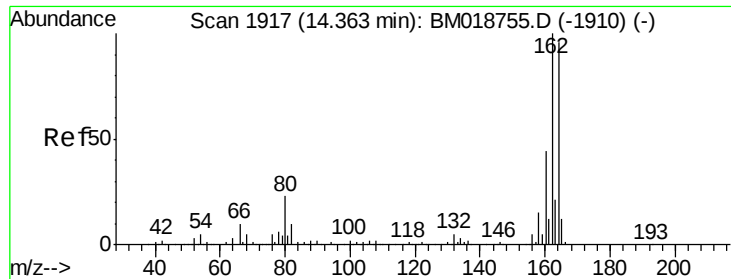
Tgt Ion:136 Resp: 1020273
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 6.9 5.0 7.6
68 7.7 5.5 8.3



#23
Nitrobenzene-d5
Concen: 75.318 ng
RT: 8.84 min Scan# 978
Delta R.T. -0.01 min
Lab File: BM019058.D
Acq: 06 Mar 2019 05:28

Tgt Ion: 82 Resp: 1661917
Ion Ratio Lower Upper
82 100
128 36.5 29.9 44.9
54 36.9 29.1 43.7

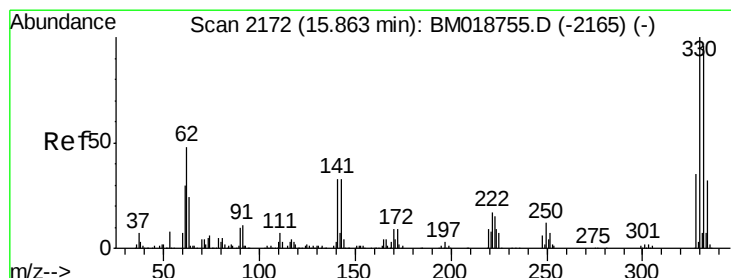
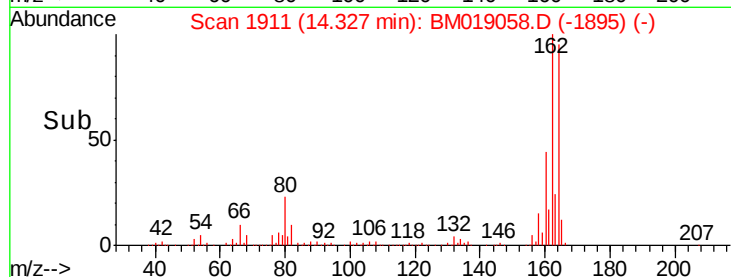
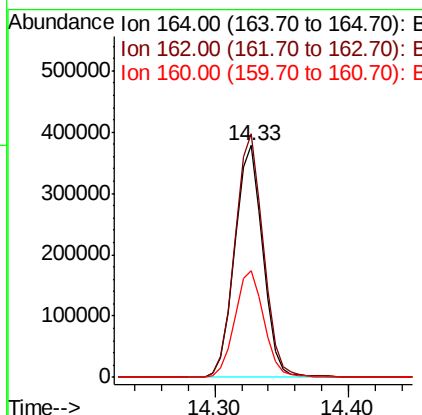
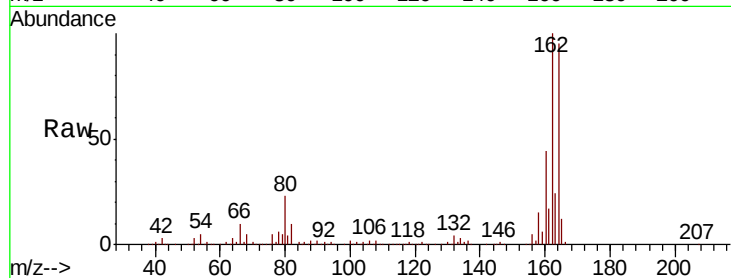




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.33 min Scan# 1911
Delta R.T. -0.01 min
Lab File: BM019058.D
Acq: 06 Mar 2019 05:28

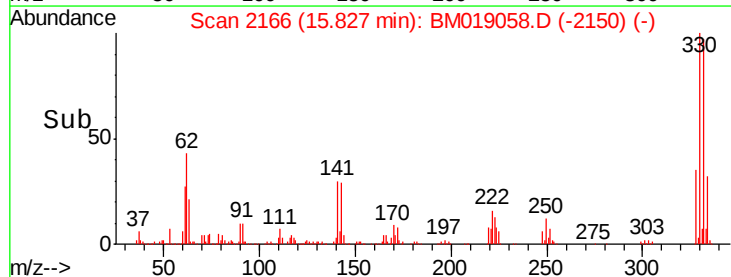
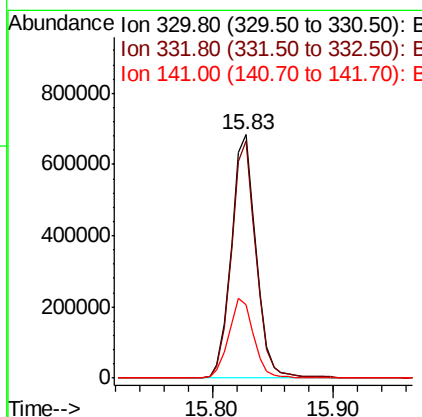
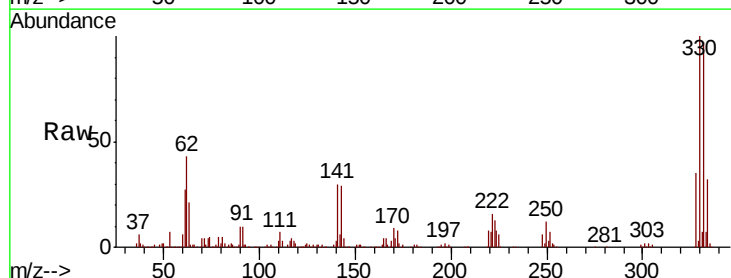
Instrument :
BNA_M
ClientSampleId :
PST-027-B114-022719

Tgt Ion:164 Resp: 555742
Ion Ratio Lower Upper
164 100
162 105.0 83.4 125.0
160 45.8 36.6 55.0



#42
2,4,6-Tribromophenol
Concen: 122.431 ng
RT: 15.83 min Scan# 2166
Delta R.T. -0.01 min
Lab File: BM019058.D
Acq: 06 Mar 2019 05:28

Tgt Ion:330 Resp: 980782
Ion Ratio Lower Upper
330 100
332 96.2 76.9 115.3
141 33.2 28.7 43.1

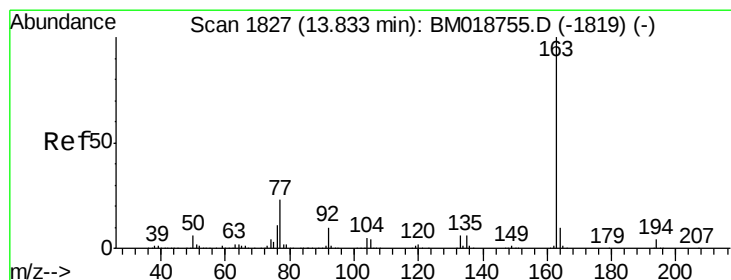
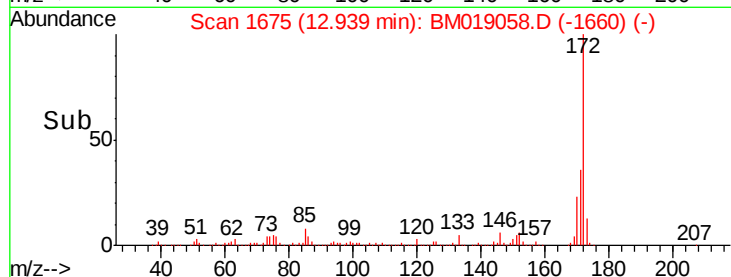
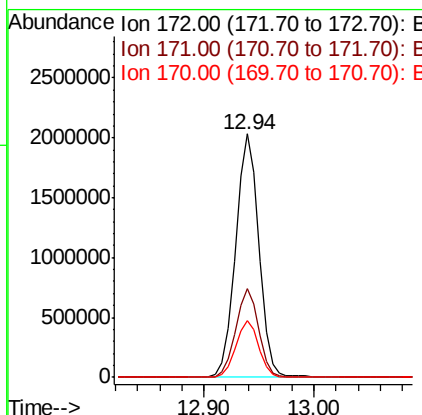
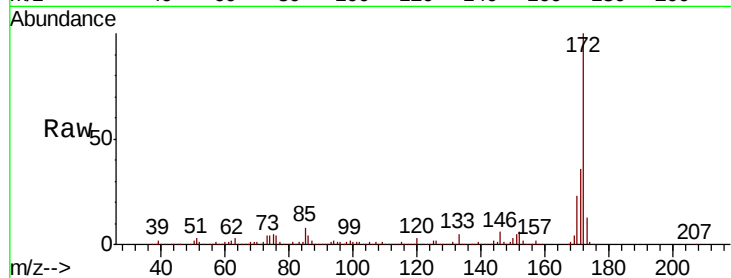




#45
2-Fluorobiphenyl
Concen: 71.749 ng
RT: 12.94 min Scan# 1675
Delta R.T. -0.01 min
Lab File: BM019058.D
Acq: 06 Mar 2019 05:28

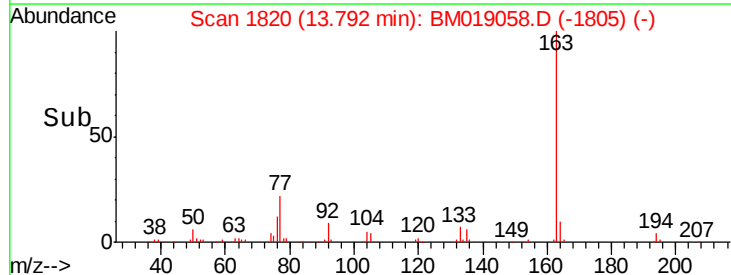
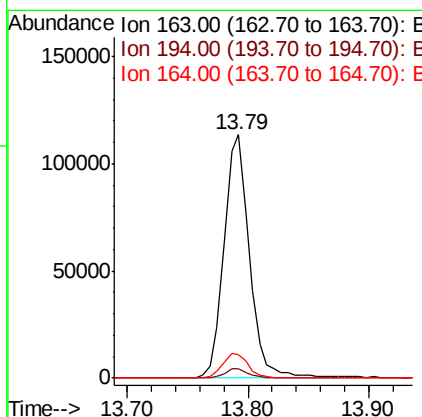
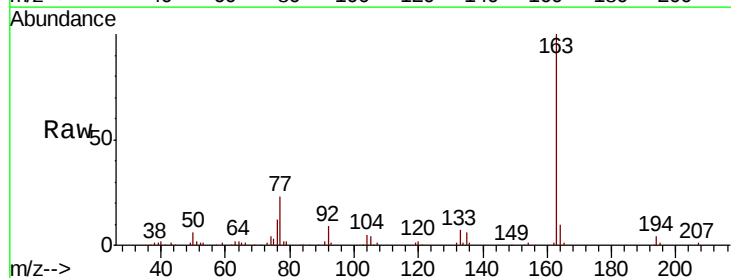
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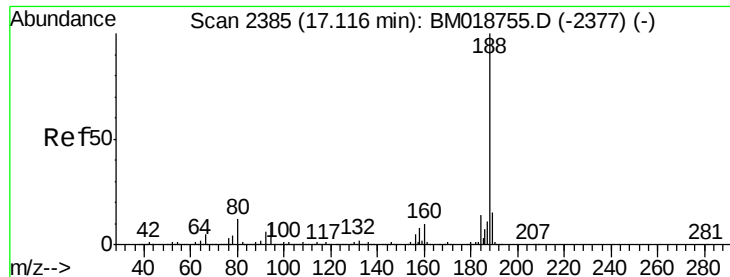
Tgt Ion:172 Resp: 3003737
Ion Ratio Lower Upper
172 100
171 36.3 29.0 43.6
170 23.3 18.6 28.0



#50
Dimethylphthalate
Concen: 3.565 ng
RT: 13.79 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BM019058.D
Acq: 06 Mar 2019 05:28

Tgt Ion:163 Resp: 165127
Ion Ratio Lower Upper
163 100
194 3.8 3.2 4.8
164 9.6 7.8 11.8

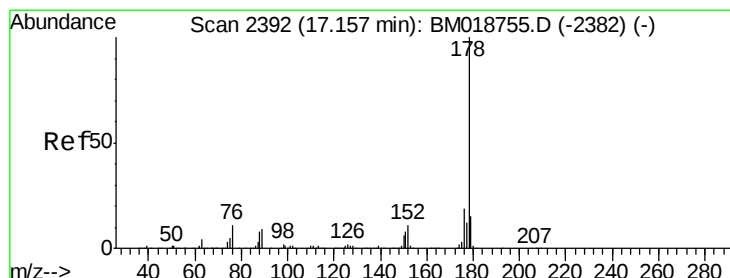
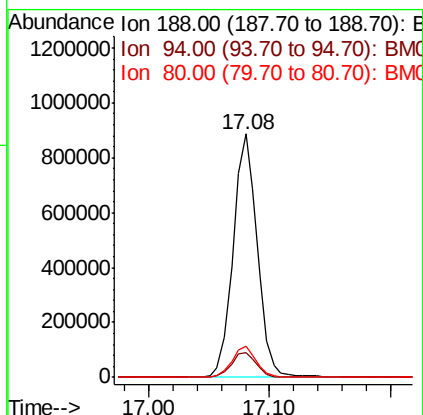
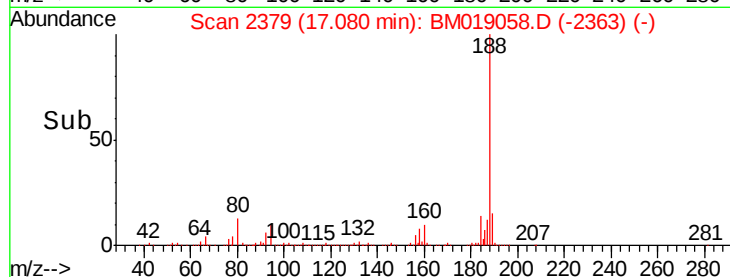
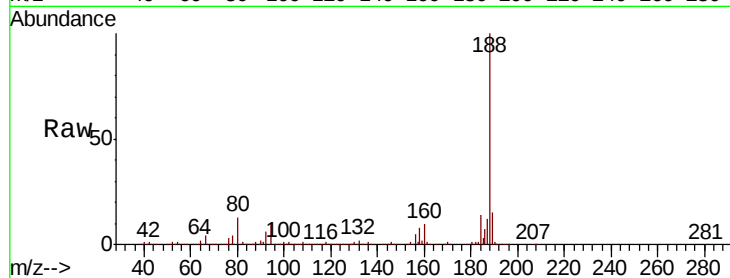




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.08 min Scan# 2379
Delta R.T. -0.01 min
Lab File: BM019058.D
Acq: 06 Mar 2019 05:28

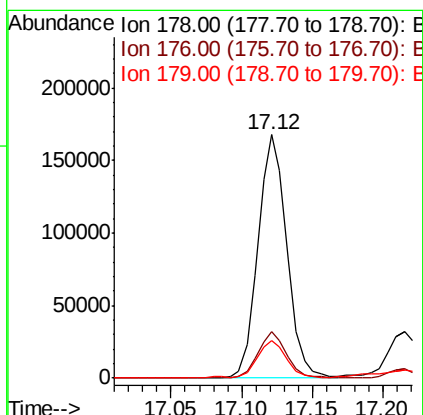
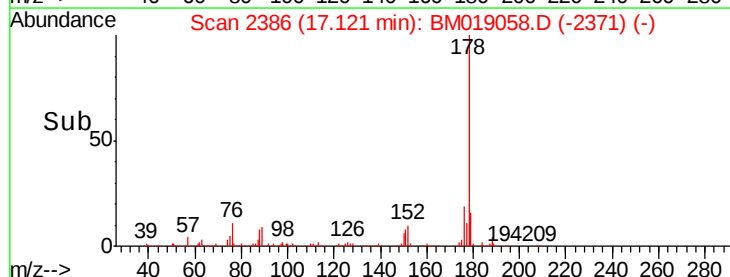
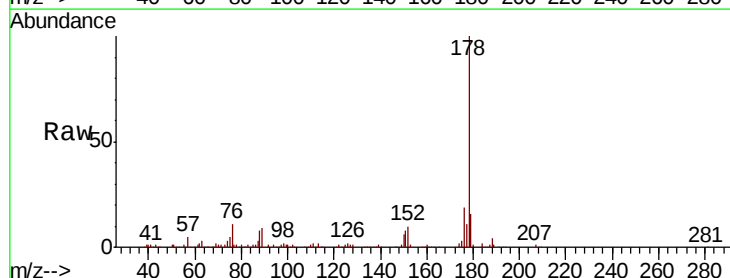
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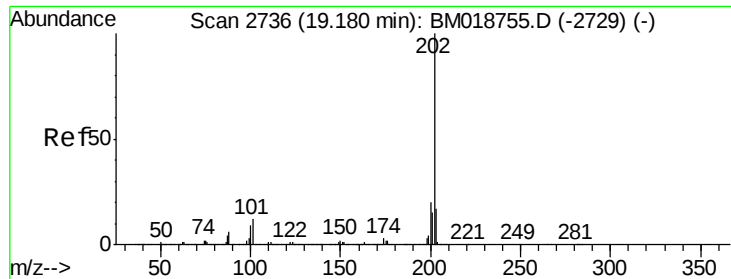
Tgt Ion:188 Resp: 1236681
Ion Ratio Lower Upper
188 100
94 10.3 8.2 12.2
80 12.5 9.7 14.5



#71
Phenanthrene
Concen: 3.641 ng
RT: 17.12 min Scan# 2386
Delta R.T. -0.01 min
Lab File: BM019058.D
Acq: 06 Mar 2019 05:28

Tgt Ion:178 Resp: 241961
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.6 12.3 18.5





#75

Fluoranthene

Concen: 4.832 ng

RT: 19.14 min Scan# 2730

Delta R.T. -0.01 min

Lab File: BM019058.D

Acq: 06 Mar 2019 05:28

Instrument :

BNA_M

ClientSampleId :

PST-027-B114-022719

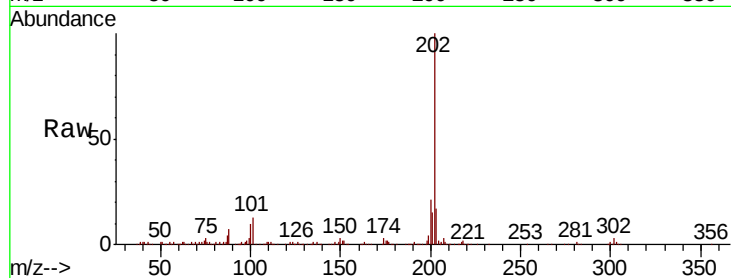
Tgt Ion: 202 Resp: 370926

Ion Ratio Lower Upper

202 100

101 12.8 0.0 31.5

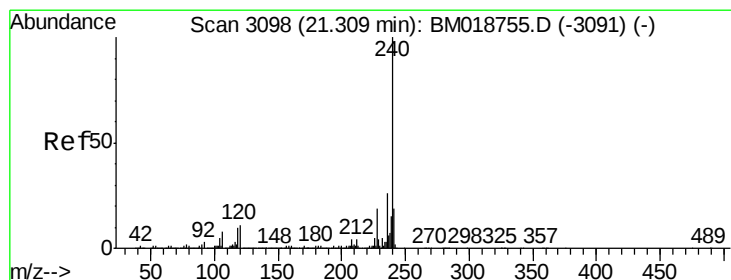
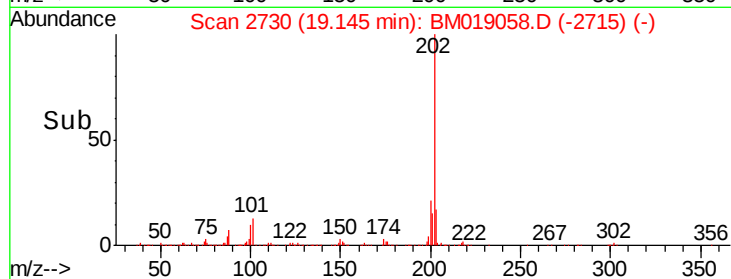
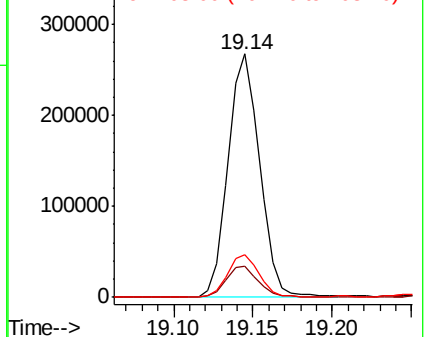
203 17.3 0.0 37.3



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.27 min Scan# 3092

Delta R.T. -0.01 min

Lab File: BM019058.D

Acq: 06 Mar 2019 05:28

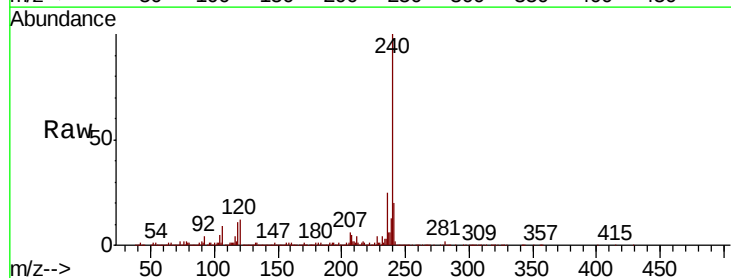
Tgt Ion: 240 Resp: 1253828

Ion Ratio Lower Upper

240 100

120 12.1 8.9 13.3

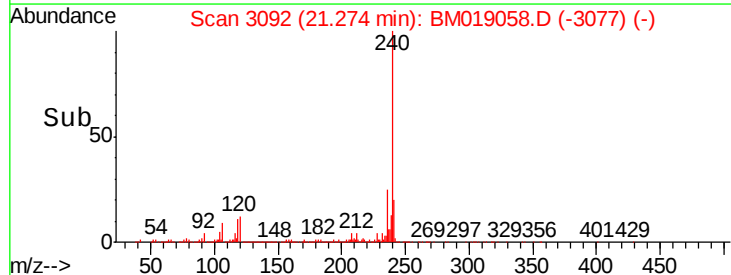
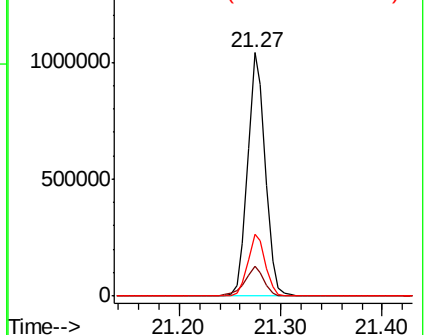
236 25.5 20.9 31.3

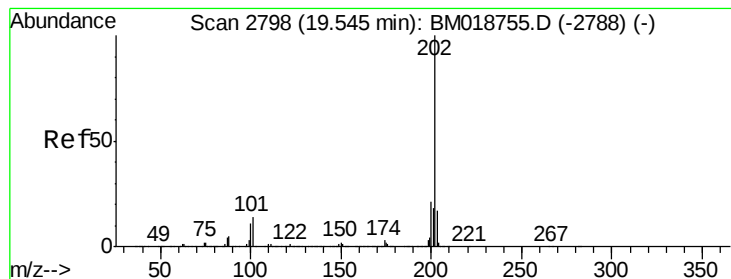


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 4.652 ng

RT: 19.51 min Scan# 2792

Delta R.T. -0.01 min

Lab File: BM019058.D

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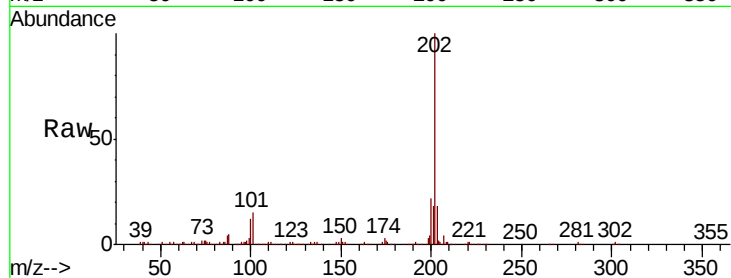
Tgt Ion: 202 Resp: 338790

Ion Ratio Lower Upper

202 100

200 21.6 16.9 25.3

203 17.9 13.8 20.8

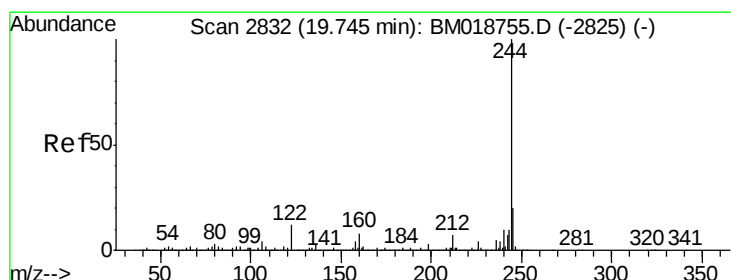
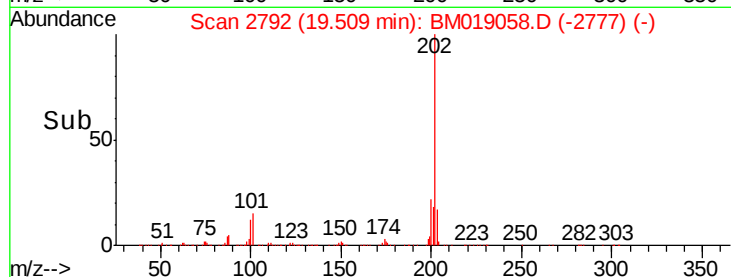
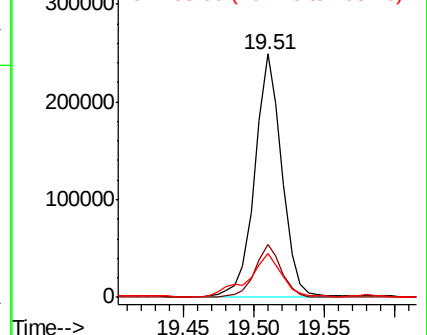


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 70.753 ng

RT: 19.72 min Scan# 2827

Delta R.T. -0.01 min

Lab File: BM019058.D

Acq: 06 Mar 2019 05:28

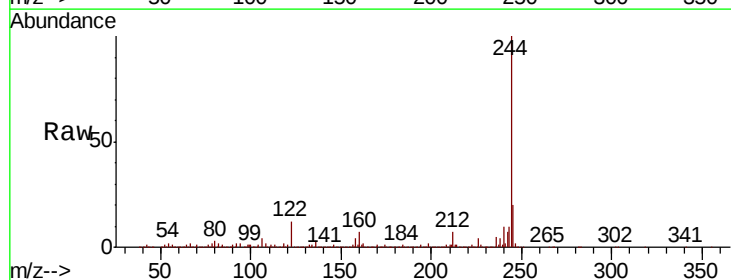
Tgt Ion: 244 Resp: 4300377

Ion Ratio Lower Upper

244 100

212 6.7 5.6 8.4

122 11.6 9.3 13.9

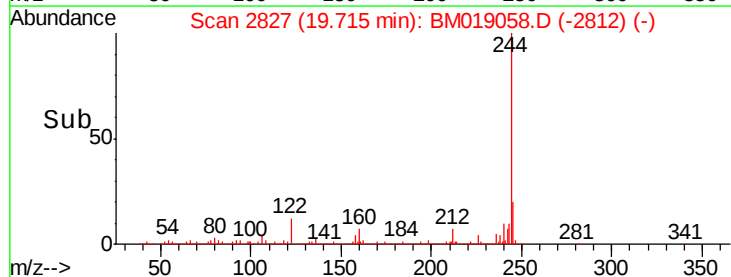
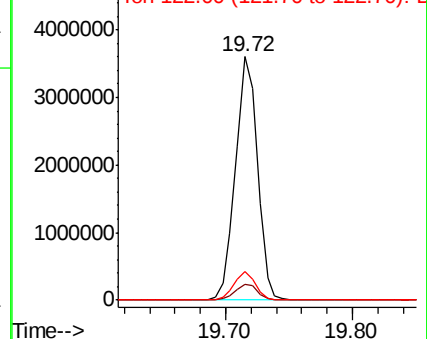


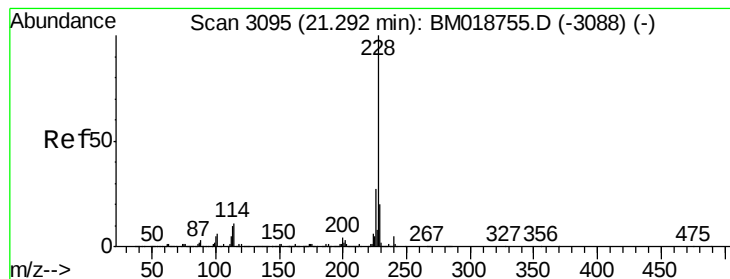
Abundance

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





#81

Benzo(a)anthracene

Concen: 2.589 ng

RT: 21.26 min Scan# 3090

Delta R.T. -0.01 min

Lab File: BM019058.D

Acq: 06 Mar 2019 05:28

Instrument :

BNA_M

ClientSampleId :

PST-027-B114-022719

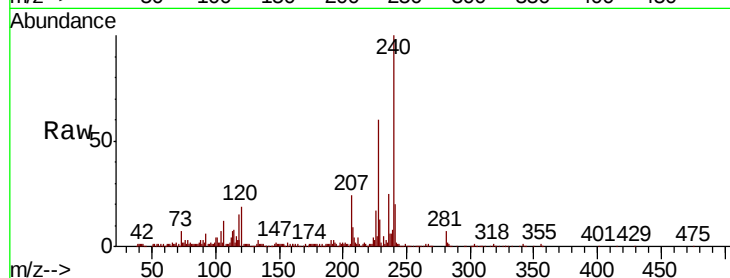
Tgt Ion:228 Resp: 189203

Ion Ratio Lower Upper

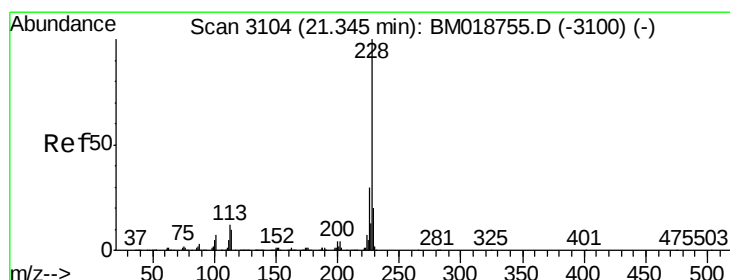
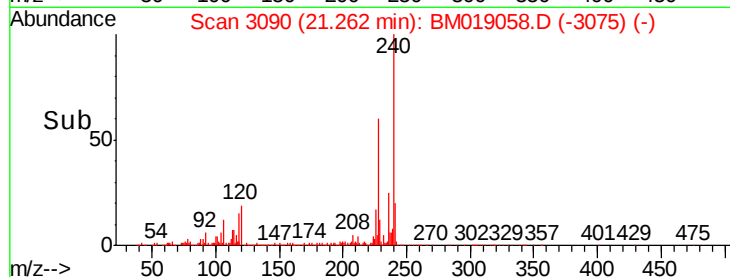
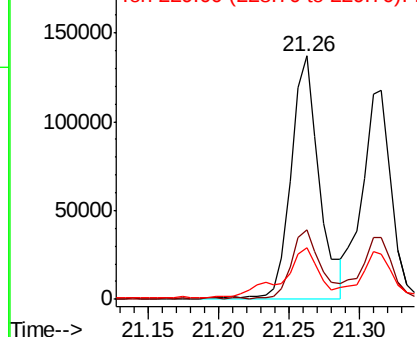
228 100

226 28.5 21.9 32.9

229 21.3 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 2.382 ng

RT: 21.32 min Scan# 3099

Delta R.T. -0.01 min

Lab File: BM019058.D

Acq: 06 Mar 2019 05:28

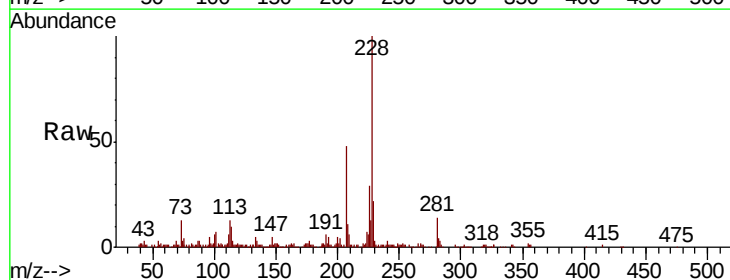
Tgt Ion:228 Resp: 166899

Ion Ratio Lower Upper

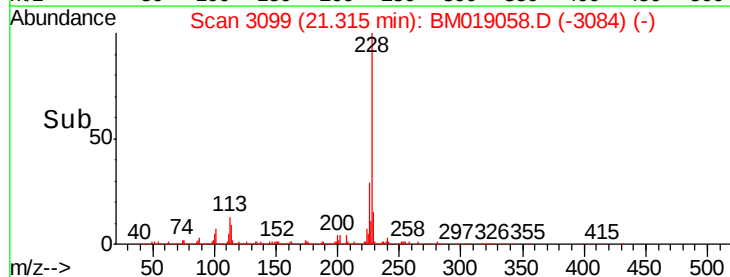
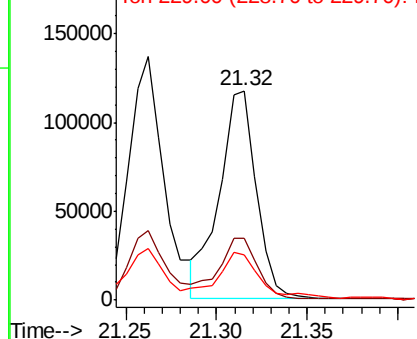
228 100

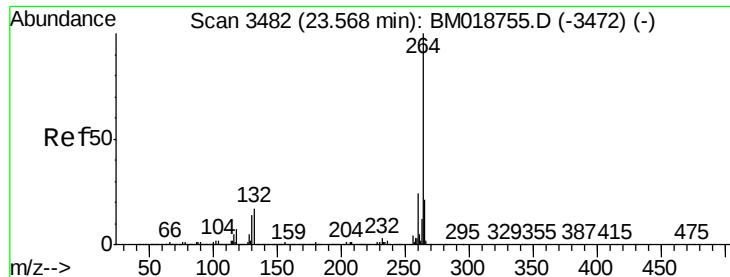
226 29.4 24.1 36.1

229 21.6 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



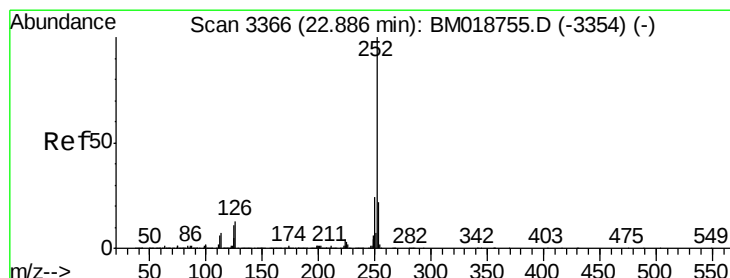
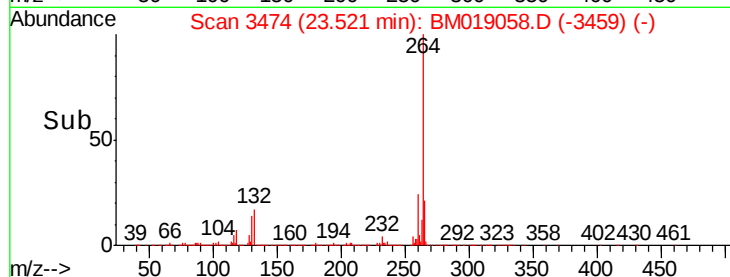
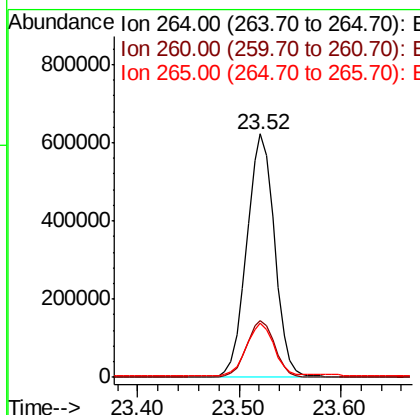
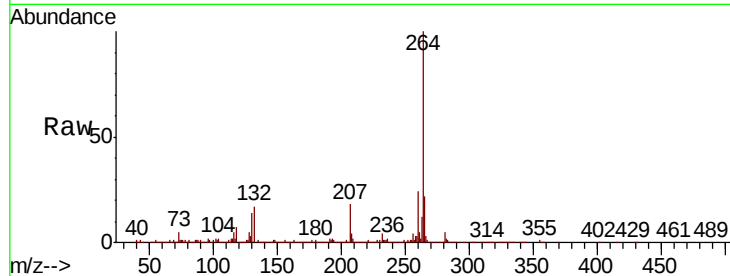


#87
Perylene-d12
Concen: 20.000 ng
RT: 23.52 min Scan# 3474
Delta R.T. -0.01 min
Lab File: BM019058.D
Acq: 06 Mar 2019 05:28

Instrument :
BNA_M
ClientSampleId :
PST-027-B114-022719

Tgt Ion: 264 Resp: 1191356

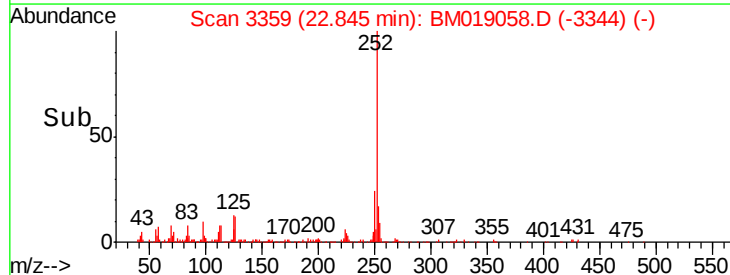
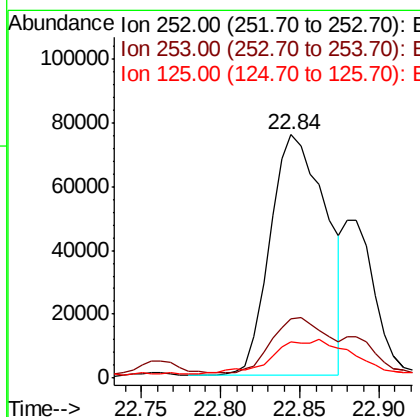
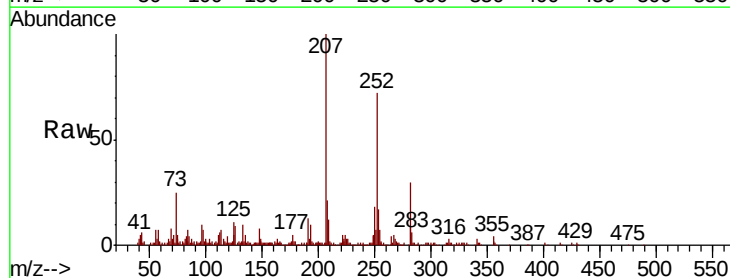
Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.9	28.3
265	22.1	17.3	25.9

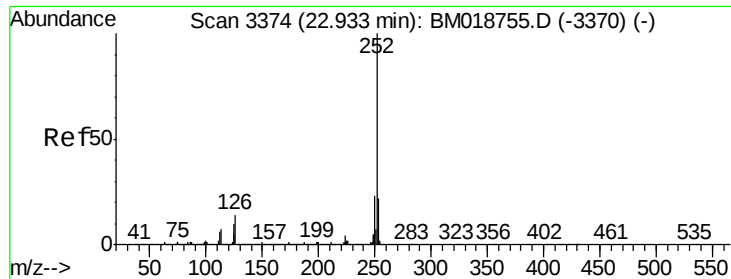


#88
Benzo(b)fluoranthene
Concen: 2.720 ng
RT: 22.84 min Scan# 3359
Delta R.T. -0.01 min
Lab File: BM019058.D
Acq: 06 Mar 2019 05:28

Tgt Ion: 252 Resp: 185429

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.8	26.6
125	14.9	8.6	12.8





#89

Benzo(k)fluoranthene

Concen: 2.698 ng

RT: 22.84 min Scan# 3359

Delta R.T. -0.06 min

Lab File: BM019058.D

Acq: 06 Mar 2019 05:28

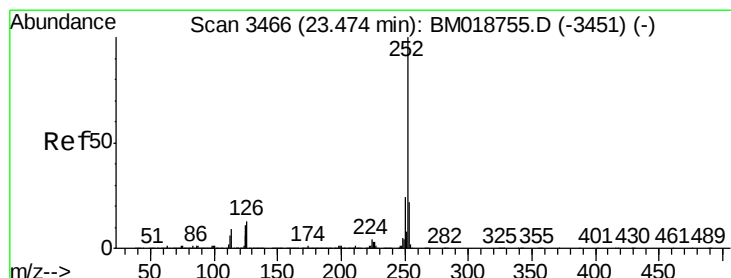
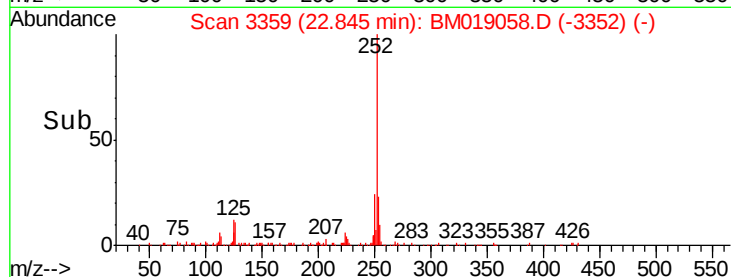
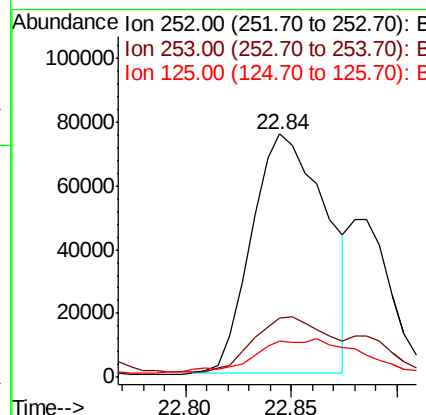
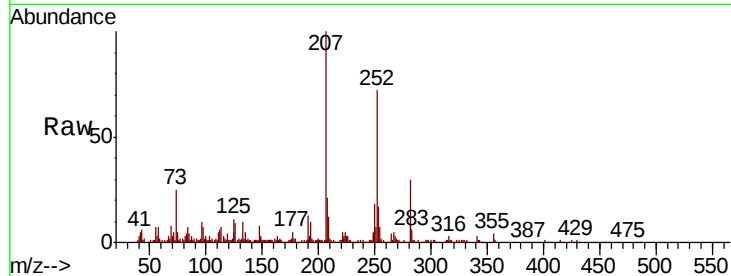
Instrument :

BNA_M

ClientSampleId :

PST-027-B114-022719

Tgt Ion:	252	Resp:	183053
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.7	26.5
125	14.9	8.2	12.4#



#90

Benzo(a)pyrene

Concen: 2.002 ng

RT: 23.42 min Scan# 3457

Delta R.T. -0.02 min

Lab File: BM019058.D

Acq: 06 Mar 2019 05:28

Tgt Ion:	252	Resp:	129257
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.4	26.0
125	13.6	8.6	13.0#

