

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121918\
 Data File : BM018327.D
 Acq On : 20 Dec 2018 10:15
 Operator : JU/SJ
 Sample : J6475-02
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLUDGE

Quant Time: Dec 20 13:24:45 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

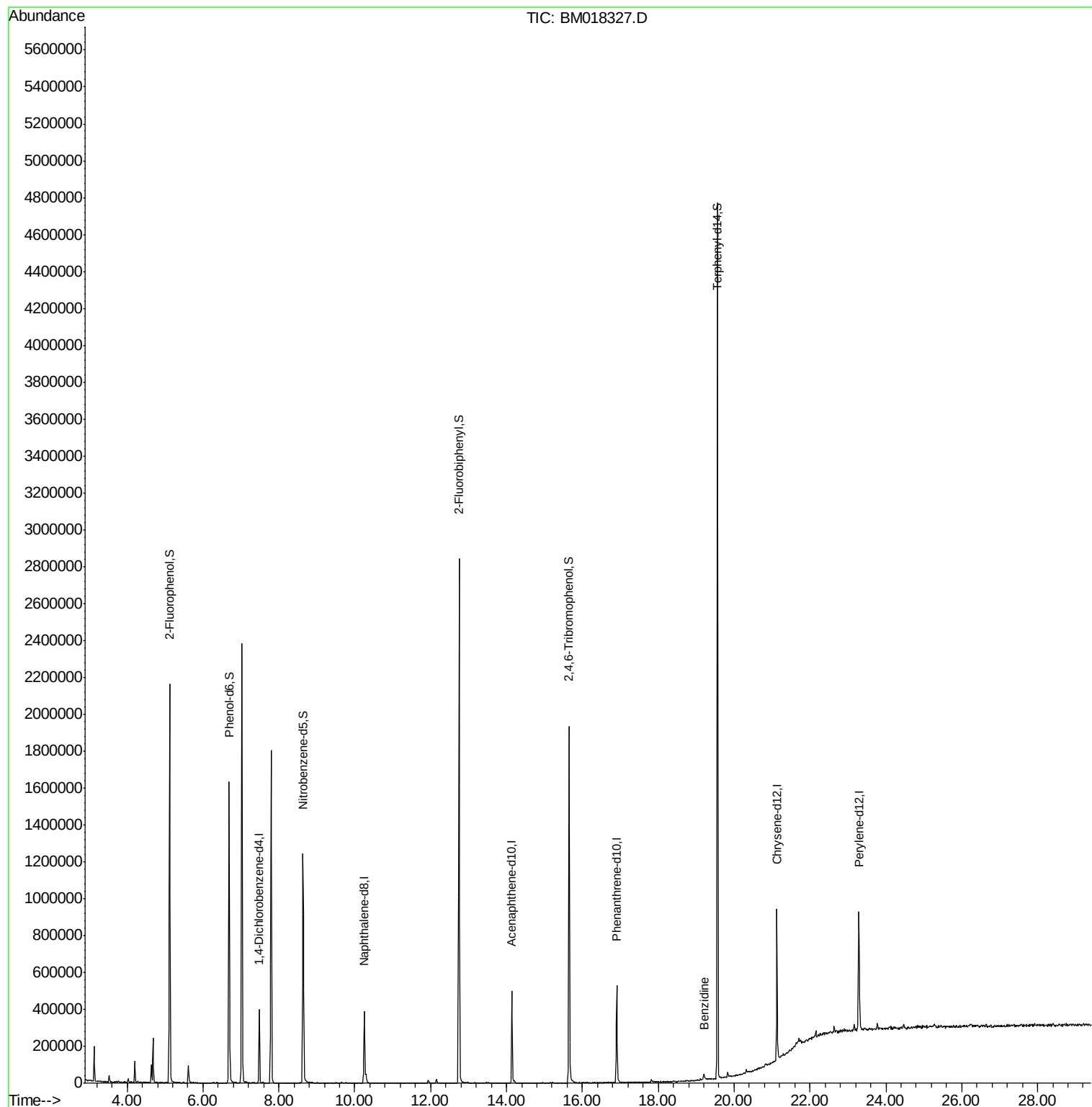
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.48	152	98856	20.00	ng	-0.02
21) Naphthalene-d8	10.25	136	336835	20.00	ng	-0.02
39) Acenaphthene-d10	14.14	164	168248	20.00	ng	-0.02
64) Phenanthrene-d10	16.91	188	321797	20.00	ng	-0.01
76) Chrysene-d12	21.13	240	401337	20.00	ng	-0.01
87) Perylene-d12	23.29	264	460827	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.12	112	829033	140.09	ng	0.00
7) Phenol-d6	6.69	99	905829	110.13	ng	-0.02
23) Nitrobenzene-d5	8.64	82	787042	119.85	ng	-0.02
42) 2,4,6-Tribromophenol	15.65	330	343694	139.18	ng	-0.02
45) 2-Fluorobiphenyl	12.75	172	1442206	111.03	ng	-0.02
79) Terphenyl-d14	19.56	244	1933868	108.98	ng	-0.01
Target Compounds						
77) Benzidine	19.20	184	28541	2.804	ng	Qvalue 97

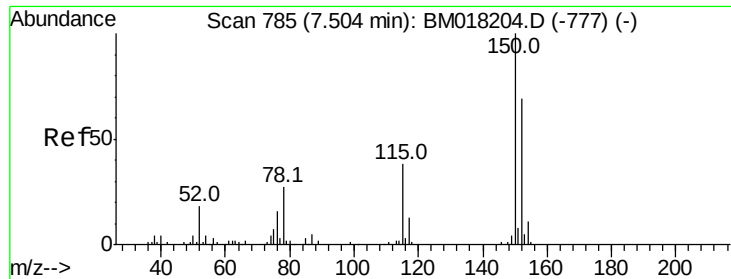
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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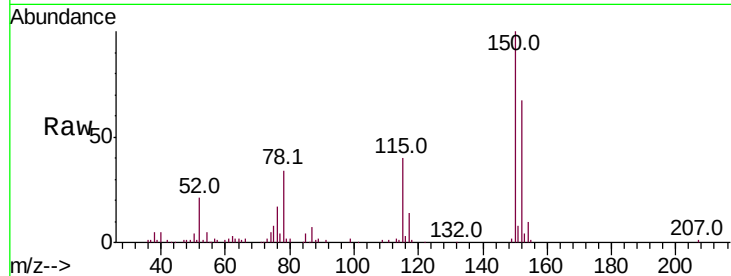


#1

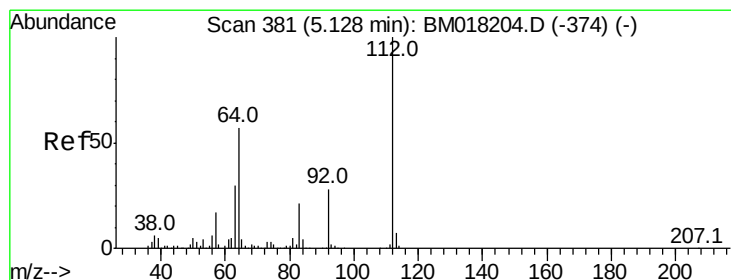
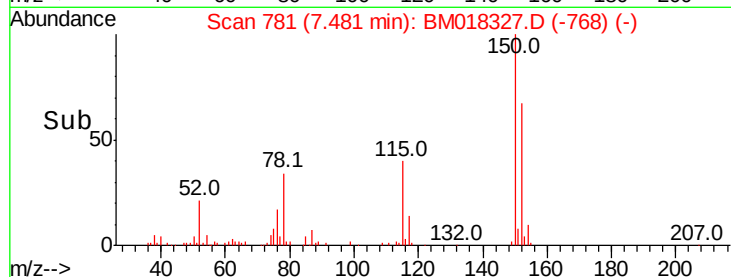
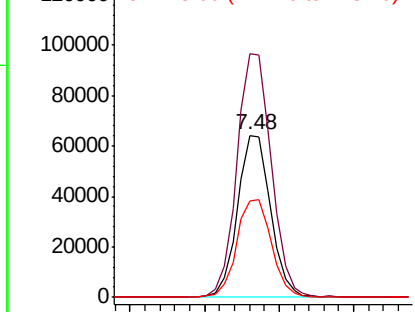
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.48 min Scan# 781
Delta R.T. -0.02 min
Lab File: BM018327.D
Acq: 20 Dec 2018 10:15

Instrument :
BNA_M
ClientSampleId :
SLUDGE

Tot Ion:152 Resp: 98856
Ion Ratio Lower Upper
152 100
150 150.1 116.1 174.1
115 59.3 44.6 67.0



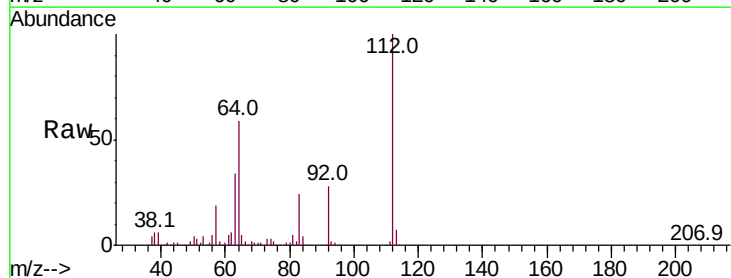
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



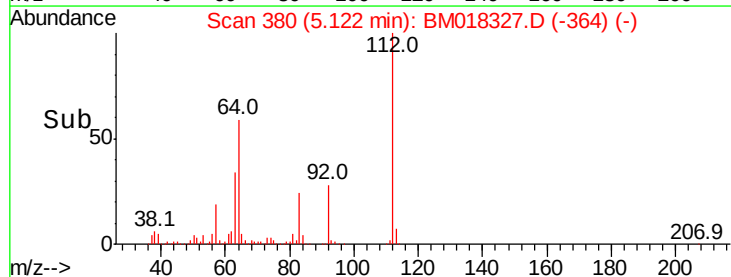
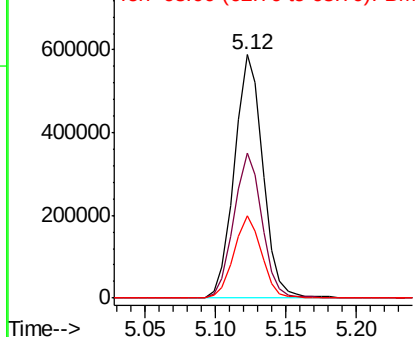
#5

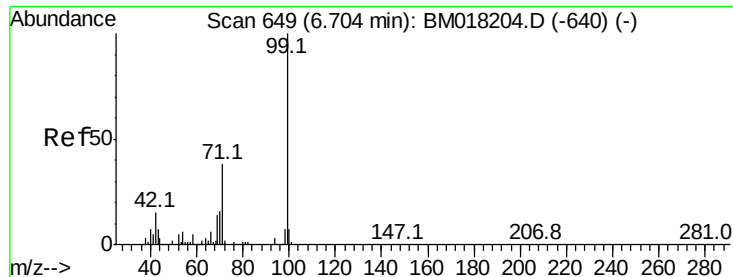
2-Fluorophenol
Concen: 140.091 ng
RT: 5.12 min Scan# 380
Delta R.T. -0.01 min
Lab File: BM018327.D
Acq: 20 Dec 2018 10:15

Tgt Ion:112 Resp: 829033
Ion Ratio Lower Upper
112 100
64 59.3 45.4 68.2
63 33.7 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





#7

Phenol-d6

Concen: 110.127 ng

RT: 6.69 min Scan# 646

Delta R.T. -0.02 min

Lab File: BM018327.D

Acq: 20 Dec 2018 10:15

Instrument :

BNA_M

ClientSampleId :

SLUDGE

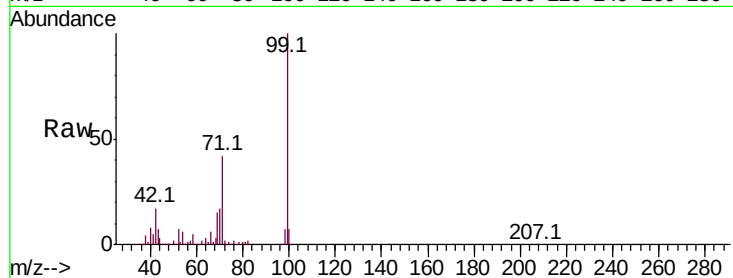
Tot Ion: 99 Resp: 905829

Ion Ratio Lower Upper

99 100

42 16.6 12.3 18.5

71 41.5 30.2 45.2



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) (-)

6.69

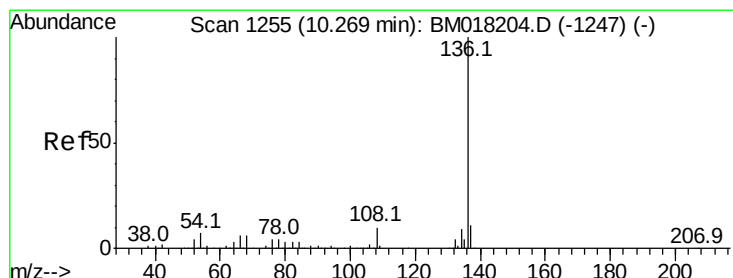
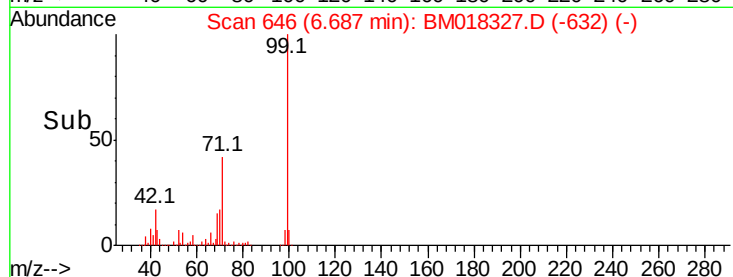
400000

200000

0

6.60 6.65 6.70 6.75

Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.25 min Scan# 1252

Delta R.T. -0.02 min

Lab File: BM018327.D

Acq: 20 Dec 2018 10:15

Tgt Ion: 136 Resp: 336835

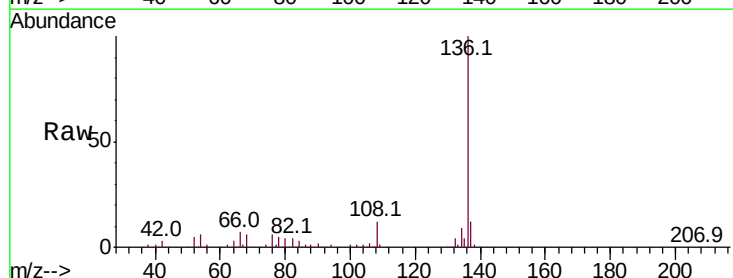
Ion Ratio Lower Upper

136 100

137 12.0 9.2 13.8

54 6.4 5.2 7.8

68 5.9 5.0 7.6



Abundance Ion 136.00 (135.70 to 136.70): BM018204.D (-1247) (-)

Ion 137.00 (136.70 to 137.70): BM018204.D (-1247) (-)

Ion 54.00 (53.70 to 54.70): BM018204.D (-1247) (-)

Ion 68.00 (67.70 to 68.70): BM018204.D (-1247) (-)

10.25

250000

200000

150000

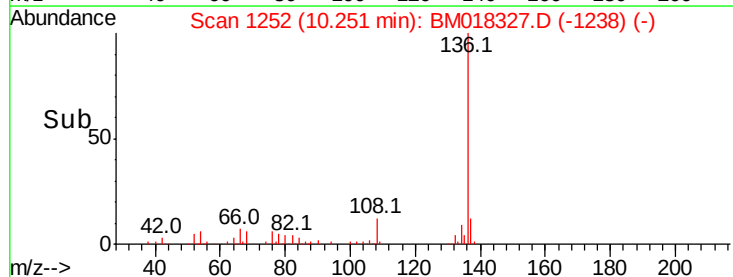
100000

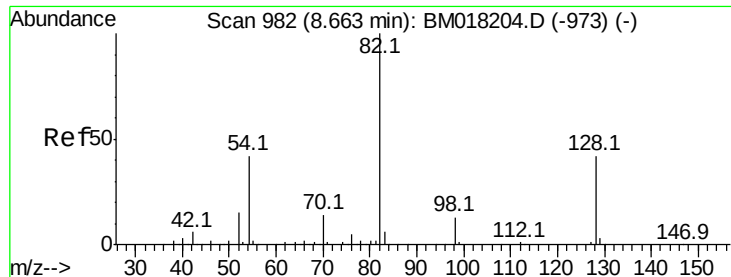
50000

0

10.20 10.25 10.30

Time-->

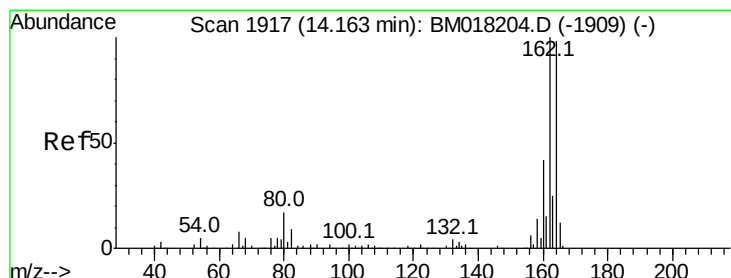
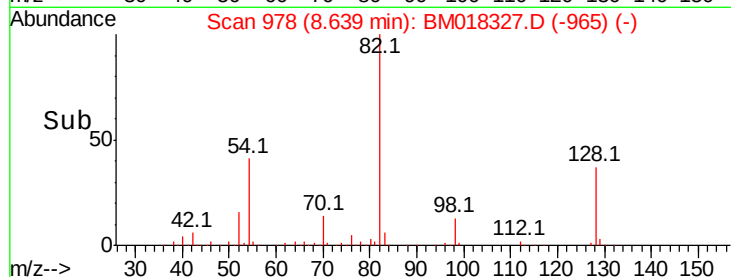
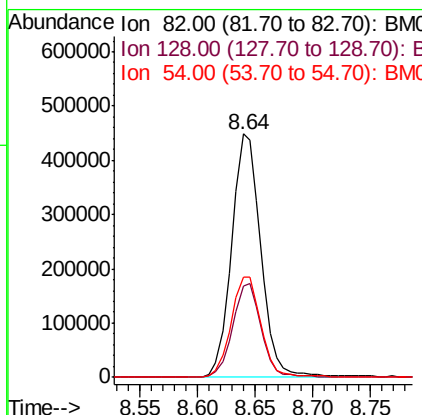
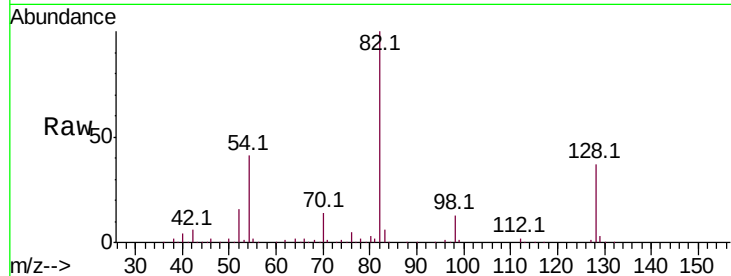




#23
 Nitrobenzene-d5
 Concen: 119.851 ng
 RT: 8.64 min Scan# 978
 Delta R.T. -0.02 min
 Lab File: BM018327.D
 Acq: 20 Dec 2018 10:15

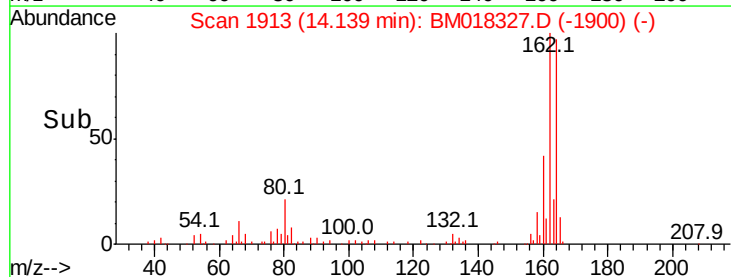
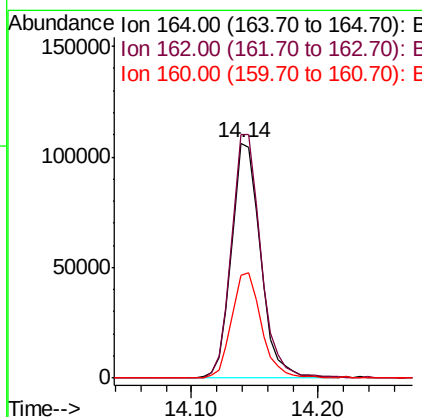
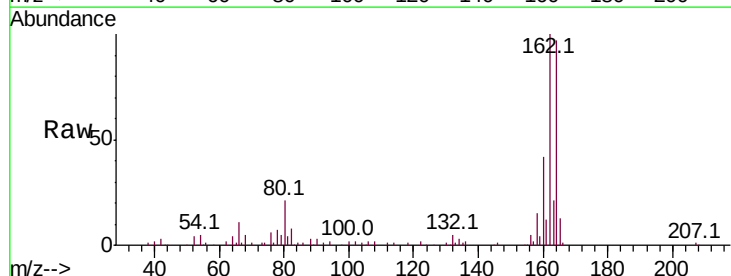
Instrument :
 BNA_M
 ClientSampled :
 SLUDGE

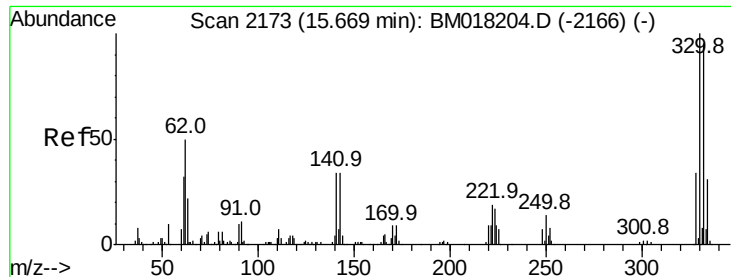
Tot Ion	82	Resp	787042
Ion Ratio	Lower	Upper	
82	100		
128	37.3	33.4	50.2
54	41.4	33.4	50.2



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.14 min Scan# 1913
 Delta R.T. -0.02 min
 Lab File: BM018327.D
 Acq: 20 Dec 2018 10:15

Tgt Ion	164	Resp	168248
Ion Ratio	Lower	Upper	
164	100		
162	103.5	81.8	122.6
160	43.7	34.6	51.8

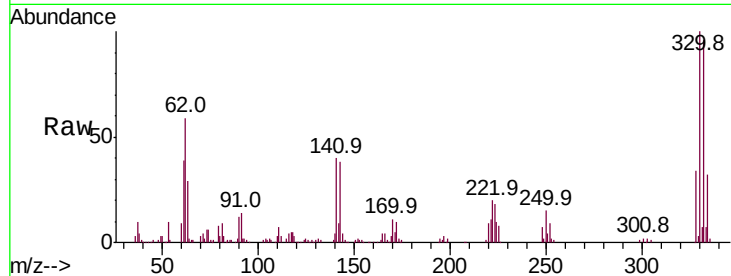




#42
 2,4,6-Tribromophenol
 Concen: 139.180 ng
 RT: 15.65 min Scan# 2170
 Delta R.T. -0.02 min
 Lab File: BM018327.D
 Acq: 20 Dec 2018 10:15

Instrument :
 BNA_M
 ClientSampleId :
 SLUDGE

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	78.6	118.0
141	39.0	27.1	40.7

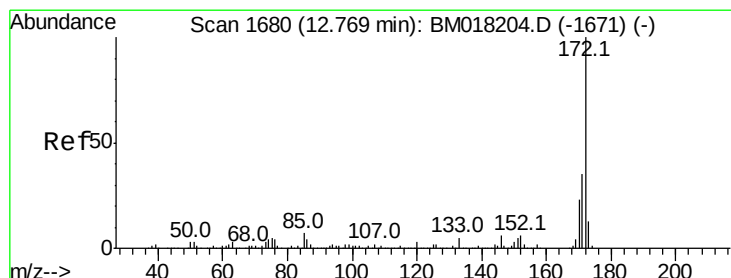
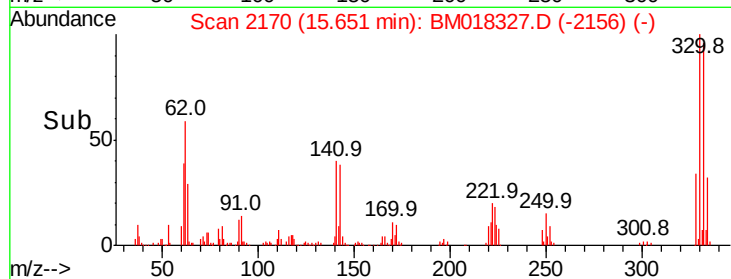
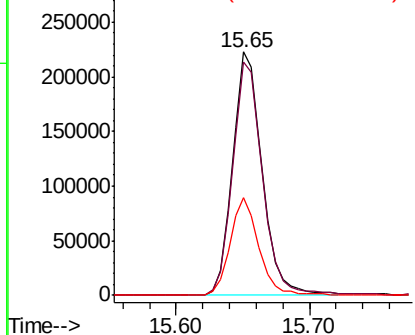


Abundance

Ion 329.80 (329.50 to 330.50): E

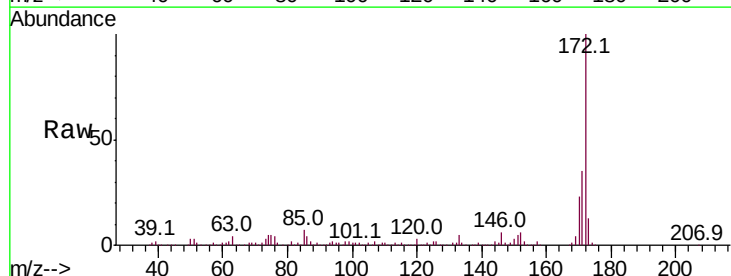
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 111.026 ng
 RT: 12.75 min Scan# 1677
 Delta R.T. -0.02 min
 Lab File: BM018327.D
 Acq: 20 Dec 2018 10:15

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.3	42.5
170	22.8	18.1	27.1

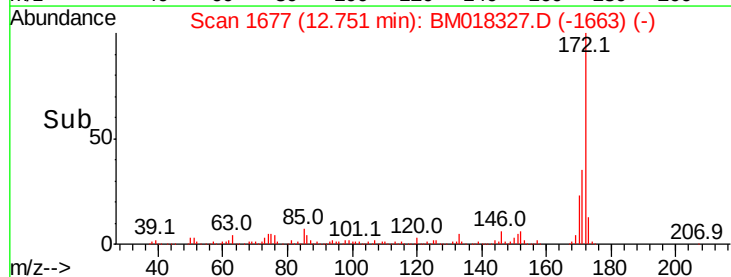
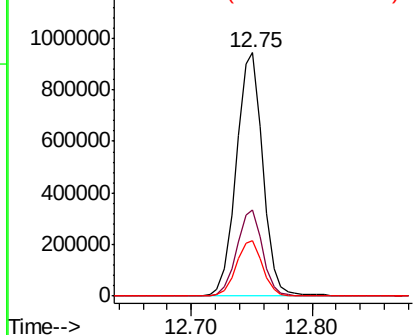


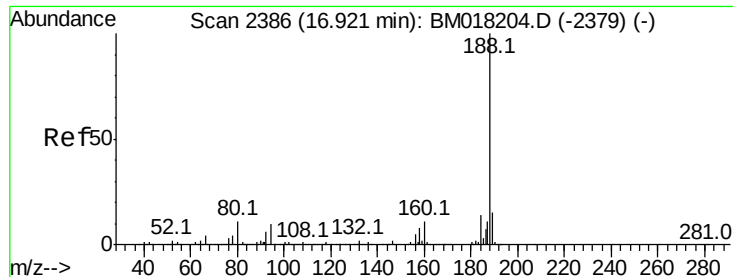
Abundance

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

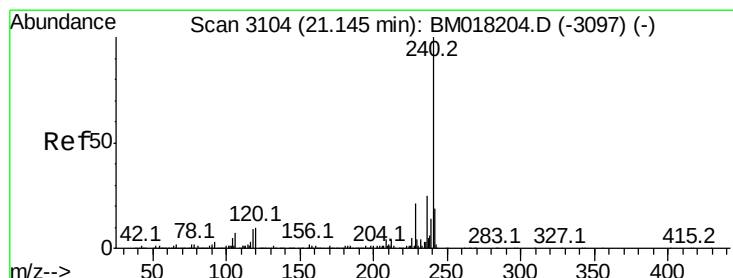
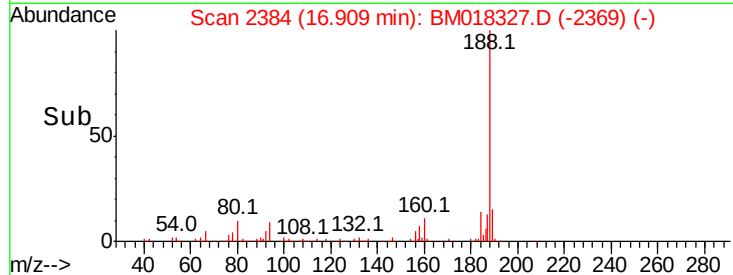
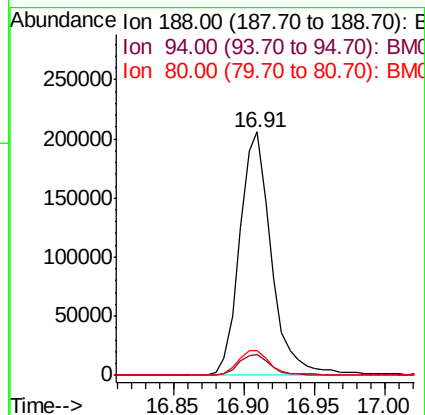
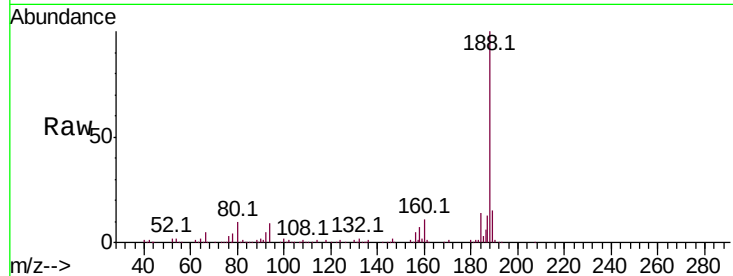




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.91 min Scan# 2384
Delta R.T. -0.01 min
Lab File: BM018327.D
Acq: 20 Dec 2018 10:15

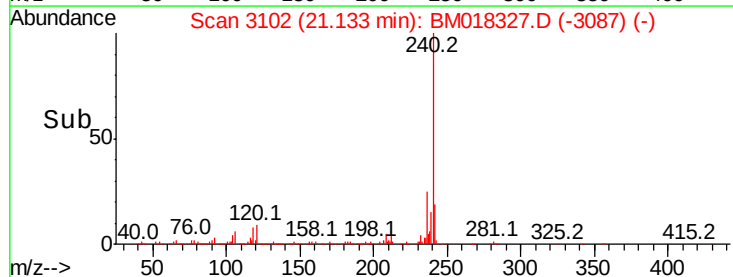
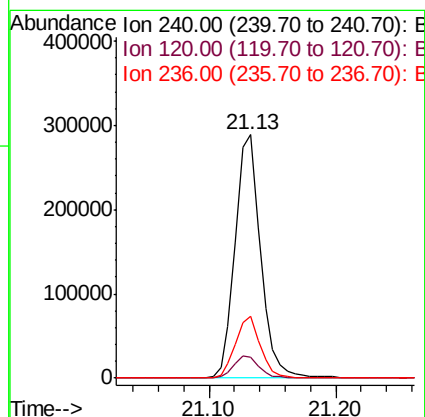
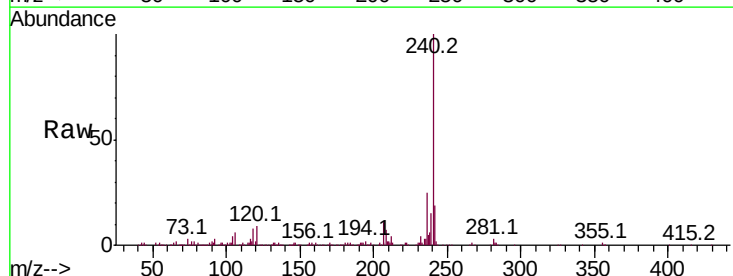
Instrument :
BNA_M
ClientSampled :
SLUDGE

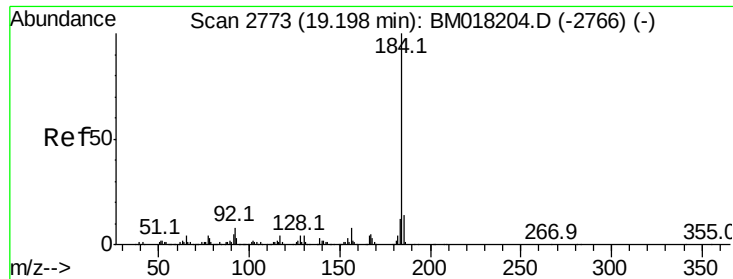
Tot Ion	Ratio	Lower	Upper
188	100		
94	8.5	8.0	12.0
80	10.4	9.0	13.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.13 min Scan# 3102
Delta R.T. -0.01 min
Lab File: BM018327.D
Acq: 20 Dec 2018 10:15

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.5	8.2	12.2
236	25.4	20.3	30.5





#77

Benzidine

Concen: 2.804 ng

RT: 19.20 min Scan# 2774

Delta R.T. 0.01 min

Lab File: BM018327.D

Acq: 20 Dec 2018 10:15

Instrument :

BNA_M

ClientSampleId :

SLUDGE

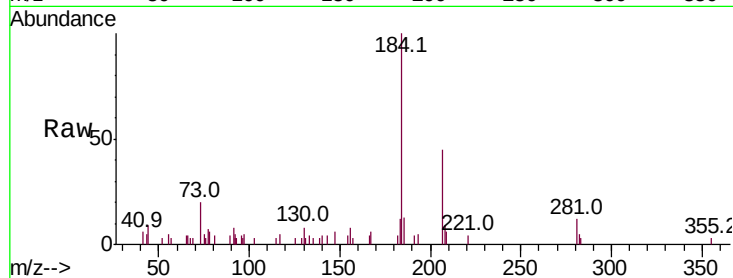
Tot Ion:184 Resp: 28541

Ion Ratio Lower Upper

184 100

185 12.6 11.4 17.2

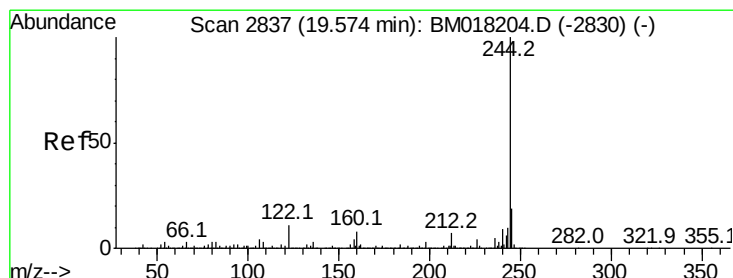
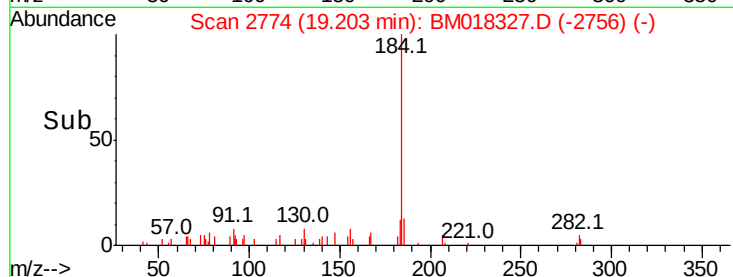
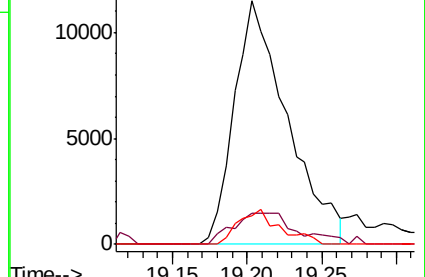
183 11.6 9.7 14.5



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 108.979 ng

RT: 19.56 min Scan# 2835

Delta R.T. -0.01 min

Lab File: BM018327.D

Acq: 20 Dec 2018 10:15

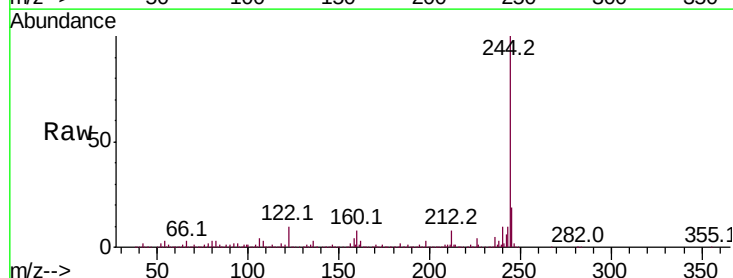
Tgt Ion:244 Resp: 1933868

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.8

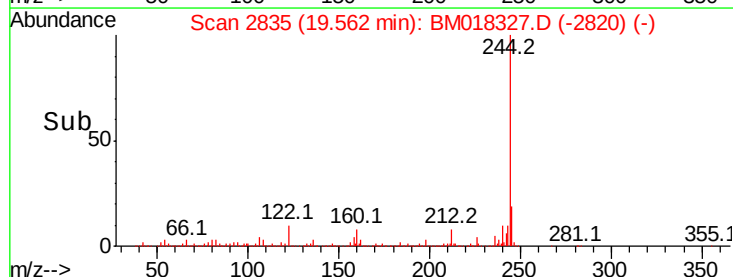
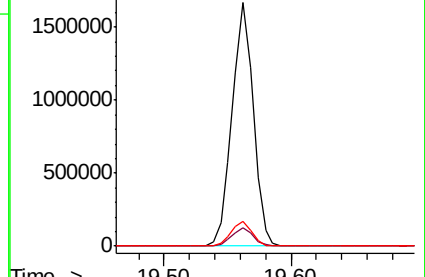
122 10.2 9.0 13.6

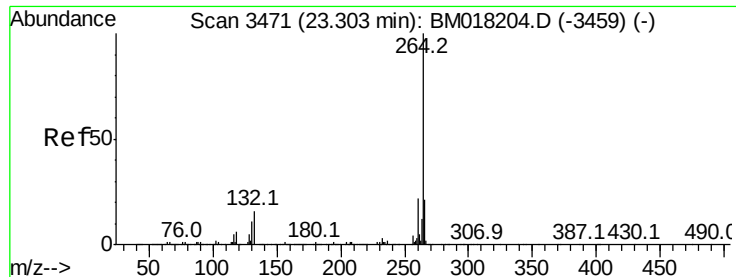


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 23.29 min Scan# 3468
Delta R.T. -0.02 min
Lab File: BM018327.D
Acq: 20 Dec 2018 10:15

Instrument :
BNA_M
ClientSampleId :
SLUDGE

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	17.5	26.3
265	23.0	17.3	25.9

