

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM042319\
 Data File : BM020062.D
 Acq On : 24 Apr 2019 07:55
 Operator : JU/SJ
 Sample : K2472-03
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EXCAVATION-NEWARK-SOUTH-PIL

Quant Time: Apr 24 08:54:21 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM041519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 19 00:56:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.49	152	75929	20.00	ng	-0.02
21) Naphthalene-d8	10.28	136	233116	20.00	ng	0.00
39) Acenaphthene-d10	14.17	164	135516	20.00	ng	0.00
64) Phenanthrene-d10	16.94	188	285779	20.00	ng	0.00
76) Chrysene-d12	21.15	240	303438	20.00	ng	-0.01
87) Perylene-d12	23.33	264	385482	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.10	112	579731	123.74	ng	-0.02
7) Phenol-d6	6.69	99	629343	89.26	ng	-0.02
23) Nitrobenzene-d5	8.67	82	545210	104.59	ng	-0.02
42) 2,4,6-Tribromophenol	15.68	330	267562	122.65	ng	-0.01
45) 2-Fluorobiphenyl	12.76	172	1074957	98.86	ng	-0.02
79) Terphenyl-d14	19.57	244	1806397	105.00	ng	-0.02

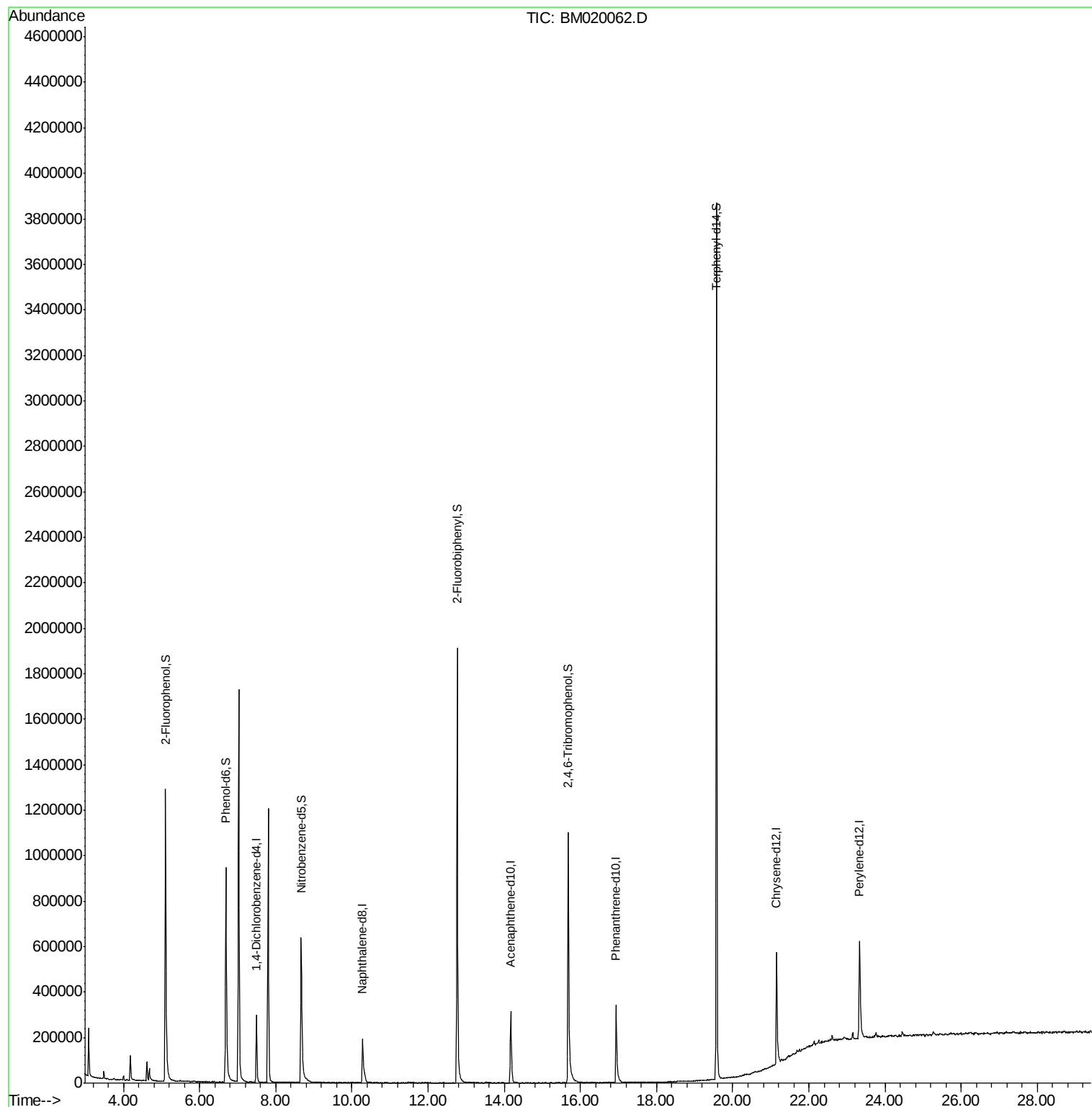
Target Compounds Qvalue

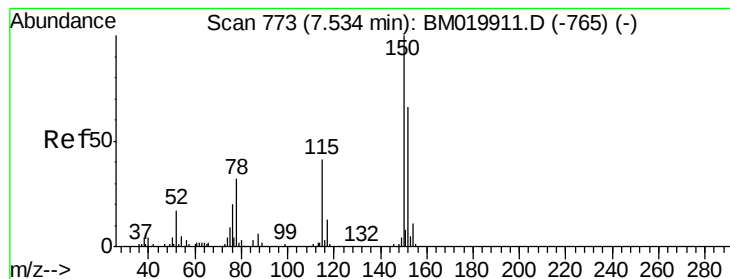
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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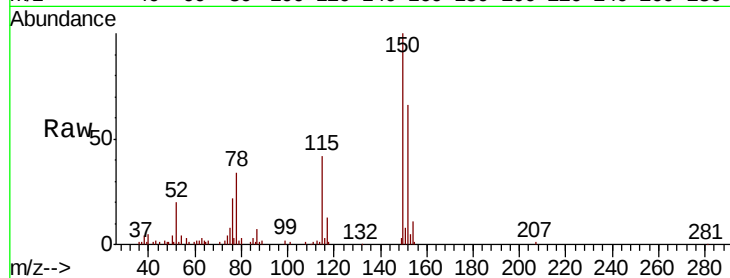


#1

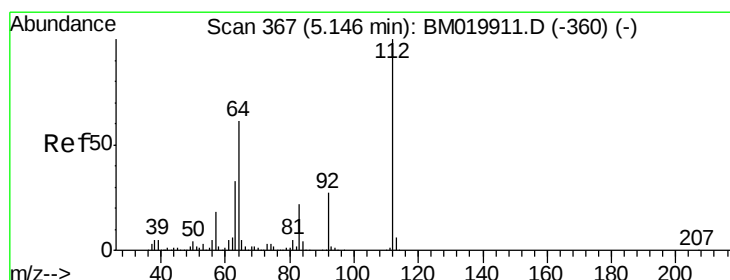
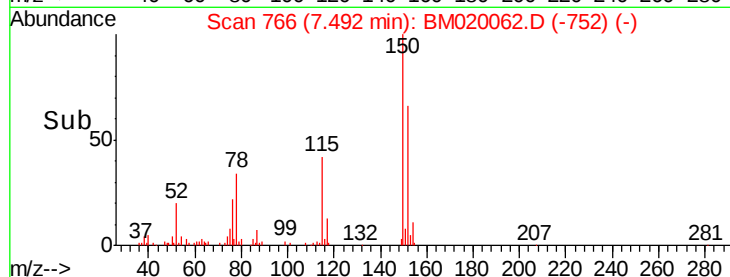
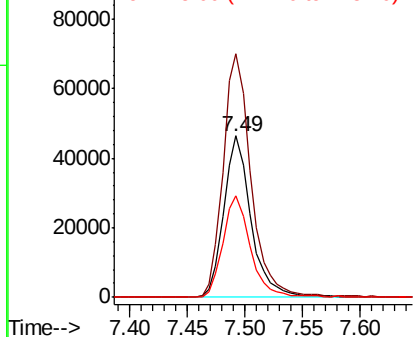
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.49 min Scan# 766
Delta R.T. -0.02 min
Lab File: BM020062.D
Acq: 24 Apr 2019 07:55

Instrument :
BNA_M
ClientSampleId :
EXCAVATION-NEWARK-SOUTH-PIL

Tot Ion:152 Resp: 75929
Ion Ratio Lower Upper
152 100
150 150.8 122.1 183.1
115 62.8 50.0 75.0



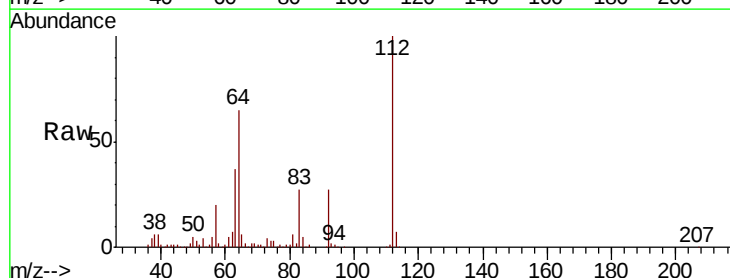
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



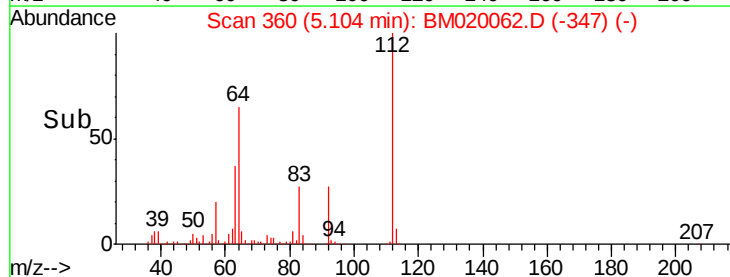
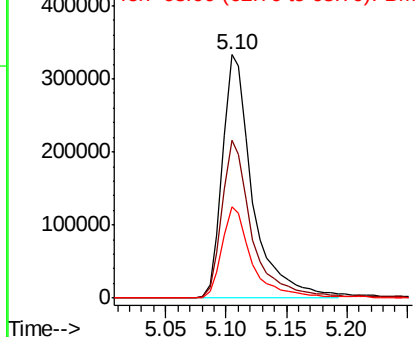
#5

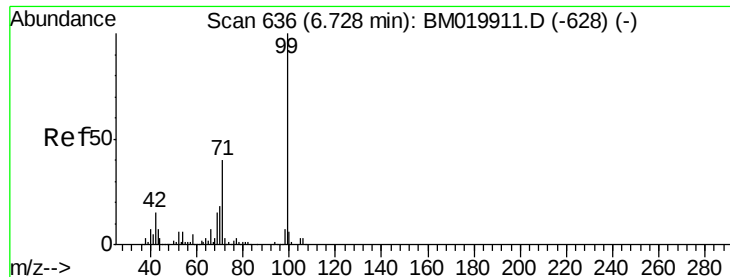
2-Fluorophenol
Concen: 123.739 ng
RT: 5.10 min Scan# 360
Delta R.T. -0.02 min
Lab File: BM020062.D
Acq: 24 Apr 2019 07:55

Tgt Ion:112 Resp: 579731
Ion Ratio Lower Upper
112 100
64 64.7 49.1 73.7
63 37.4 26.5 39.7



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: 89.256 ng

RT: 6.69 min Scan# 629

Delta R.T. -0.02 min

Lab File: BM020062.D

Acq: 24 Apr 2019 07:55

Instrument :

BNA_M

ClientSampleId :

EXCAVATION-NEWARK-SOUTH-PIL

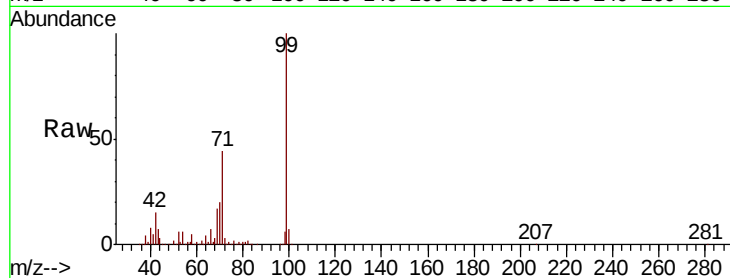
Tot Ion: 99 Resp: 629343

Ion Ratio Lower Upper

99 100

42 15.3 11.8 17.8

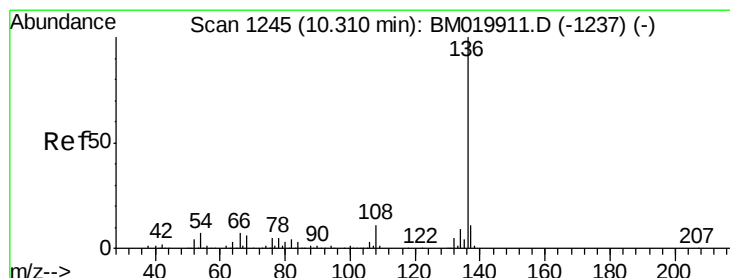
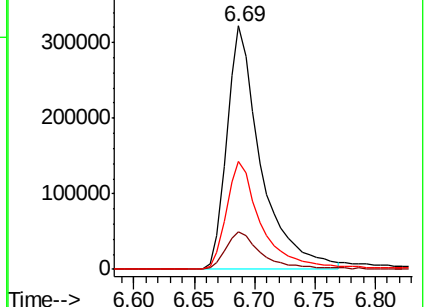
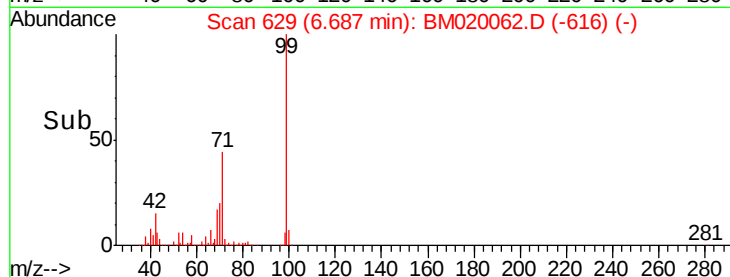
71 44.1 32.0 48.0



Abundance Ion 99.00 (98.70 to 99.70): BM020062.D (-616) (-)

Ion 42.00 (41.70 to 42.70): BM020062.D (-616) (-)

Ion 71.00 (70.70 to 71.70): BM020062.D (-616) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.28 min Scan# 1240

Delta R.T. -0.01 min

Lab File: BM020062.D

Acq: 24 Apr 2019 07:55

Tgt Ion: 136 Resp: 233116

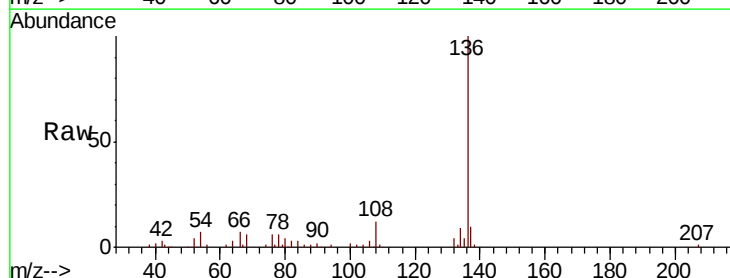
Ion Ratio Lower Upper

136 100

137 10.2 9.0 13.6

54 6.6 5.3 7.9

68 6.0 5.2 7.8

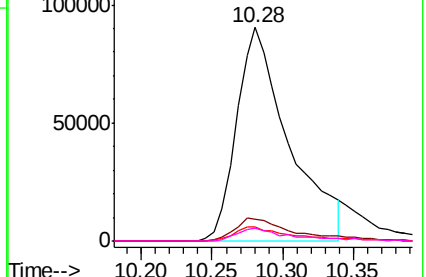
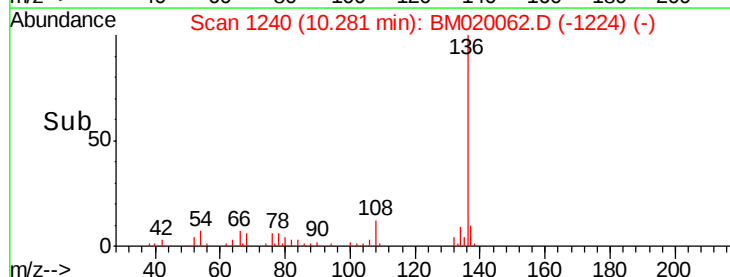


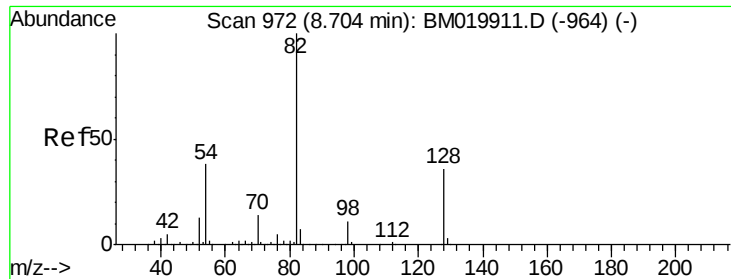
Abundance Ion 136.00 (135.70 to 136.70): BM020062.D (-1224) (-)

Ion 137.00 (136.70 to 137.70): BM020062.D (-1224) (-)

Ion 54.00 (53.70 to 54.70): BM020062.D (-1224) (-)

Ion 68.00 (67.70 to 68.70): BM020062.D (-1224) (-)

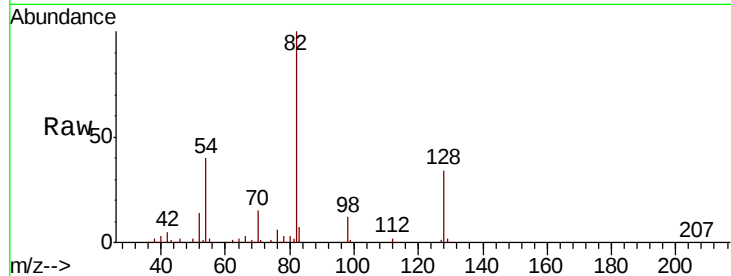




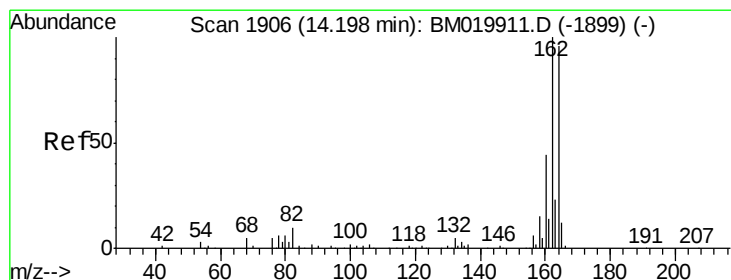
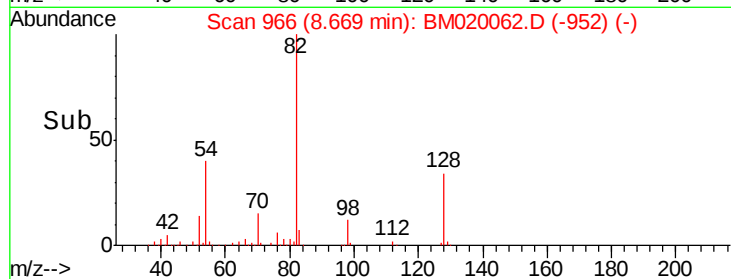
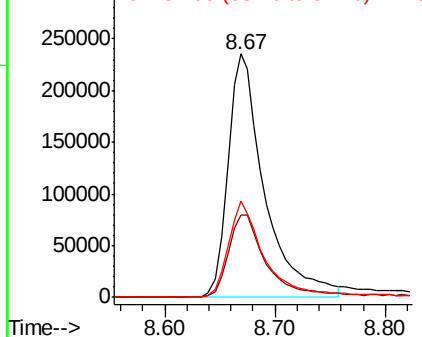
#23
 Nitrobenzene-d5
 Concen: 104.594 ng
 RT: 8.67 min Scan# 966
 Delta R.T. -0.02 min
 Lab File: BM020062.D
 Acq: 24 Apr 2019 07:55

Instrument :
 BNA_M
 ClientSampleId :
 EXCAVATION-NEWARK-SOUTH-PIL

Tot Ion	82	Resp	545210
Ion Ratio	Lower	Upper	
82	100		
128	34.0	29.0	43.4
54	39.6	30.2	45.4

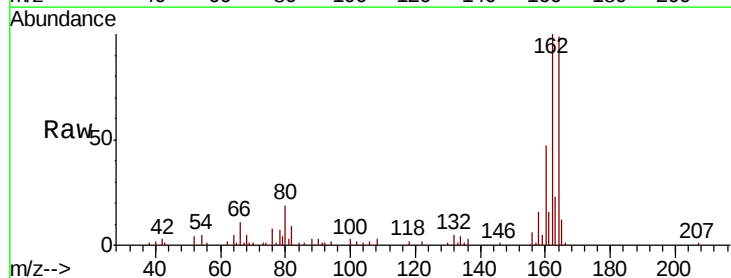


Abundance Ion 82.00 (81.70 to 82.70): BM019911.D (-964) (-)

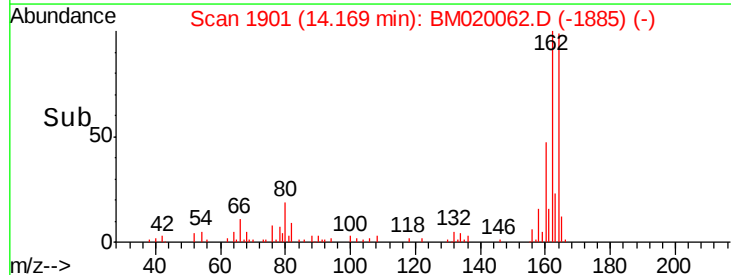
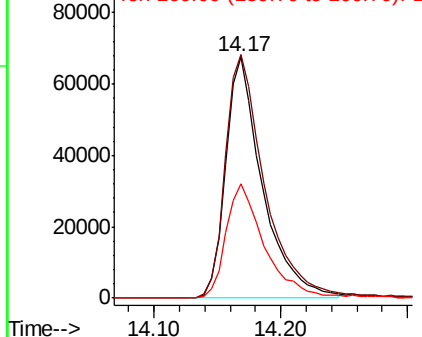


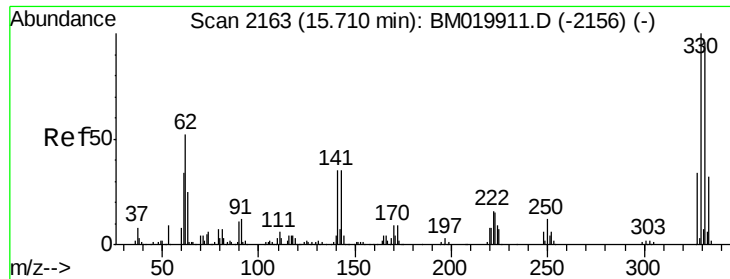
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.17 min Scan# 1901
 Delta R.T. -0.01 min
 Lab File: BM020062.D
 Acq: 24 Apr 2019 07:55

Tgt Ion	164	Resp	135516
Ion Ratio	Lower	Upper	
164	100		
162	100.9	83.0	124.4
160	47.3	36.6	55.0



Abundance Ion 164.00 (163.70 to 164.70): BM019911.D (-1899) (-)

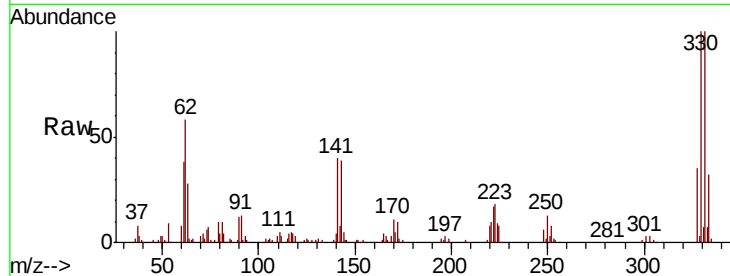




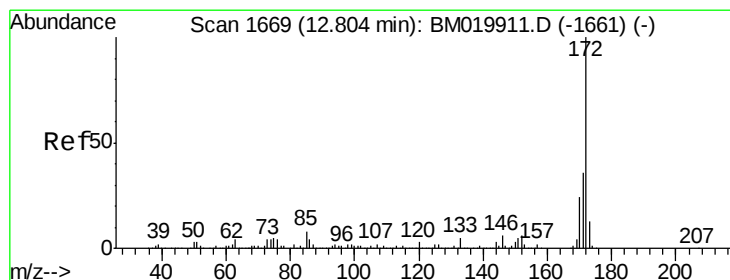
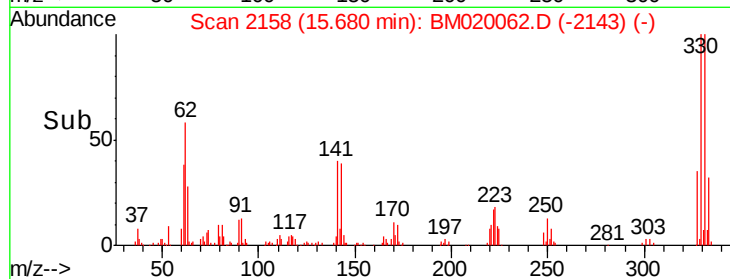
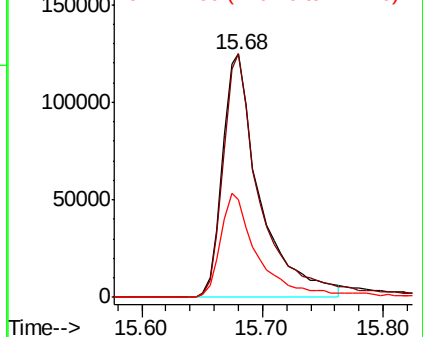
#42
 2,4,6-Tribromophenol
 Concen: 122.654 ng
 RT: 15.68 min Scan# 2158
 Delta R.T. -0.01 min
 Lab File: BM020062.D
 Acq: 24 Apr 2019 07:55

Instrument :
 BNA_M
 ClientSampleId :
 EXCAVATION-NEWARK-SOUTH-PIL

Tot Ion:330 Resp: 267562
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.4 116.2
 141 41.8 29.0 43.4

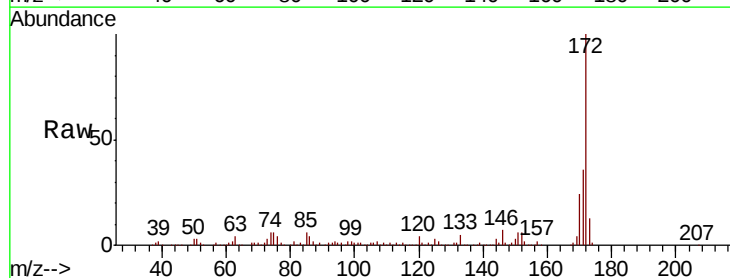


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

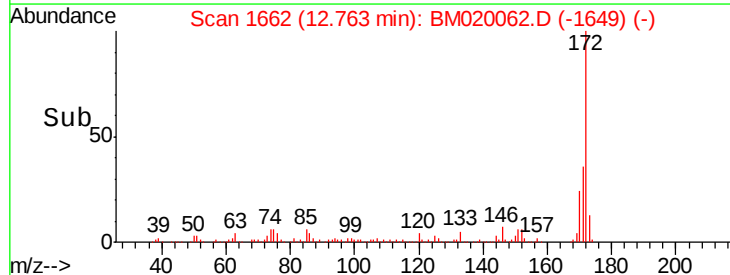
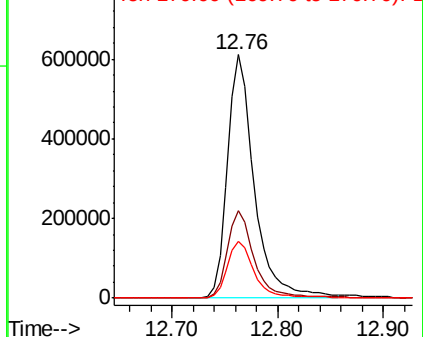


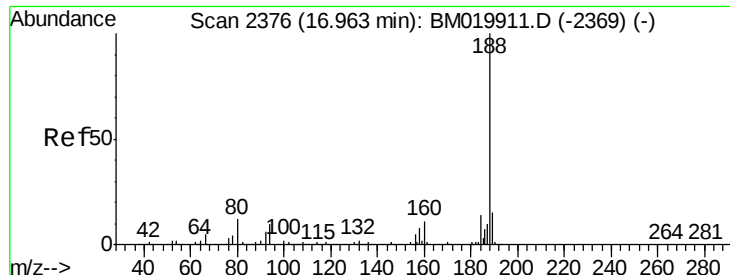
#45
 2-Fluorobiphenyl
 Concen: 98.855 ng
 RT: 12.76 min Scan# 1662
 Delta R.T. -0.02 min
 Lab File: BM020062.D
 Acq: 24 Apr 2019 07:55

Tgt Ion:172 Resp: 1074957
 Ion Ratio Lower Upper
 172 100
 171 35.8 28.9 43.3
 170 23.5 19.0 28.4



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

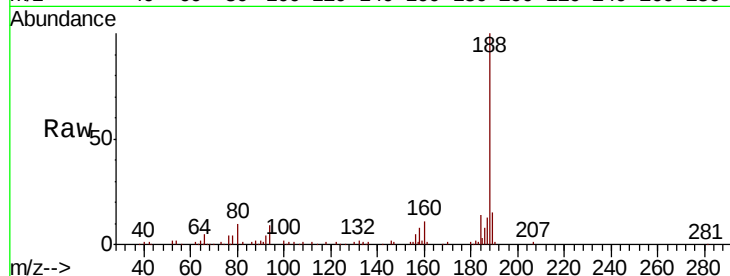




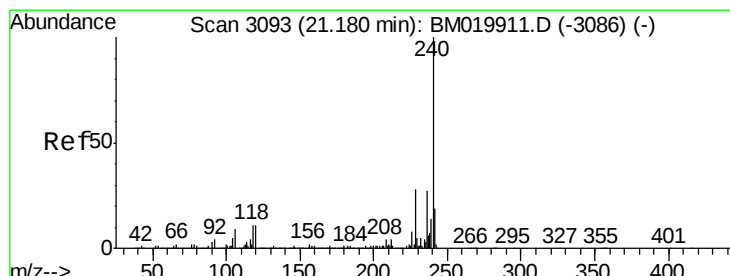
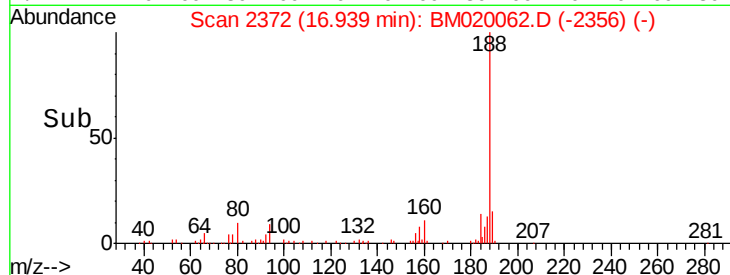
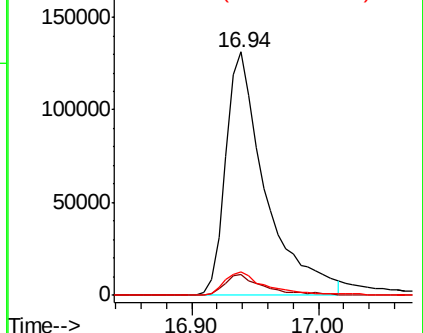
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.94 min Scan# 2372
Delta R.T. -0.01 min
Lab File: BM020062.D
Acq: 24 Apr 2019 07:55

Instrument :
BNA_M
ClientSampleId :
EXCAVATION-NEWARK-SOUTH-PIL

Tot Ion:188 Resp: 285779
Ion Ratio Lower Upper
188 100
94 8.5 7.6 11.4
80 9.6 9.4 14.0

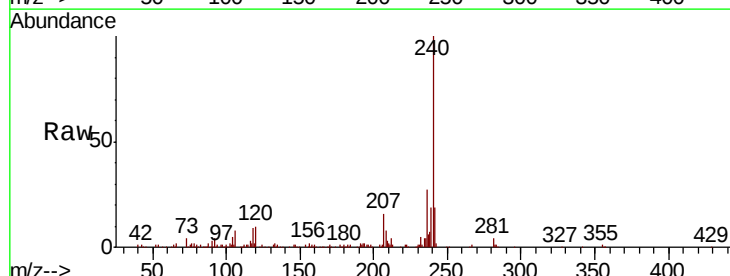


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BM
Ion 80.00 (79.70 to 80.70): BM

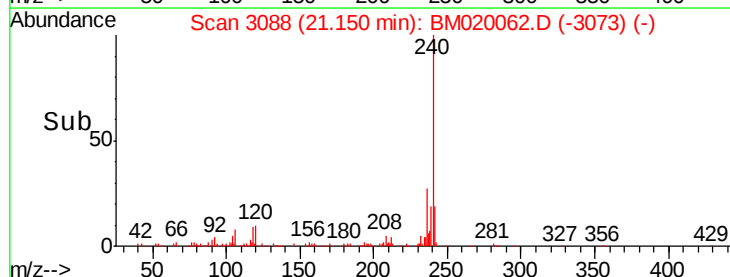
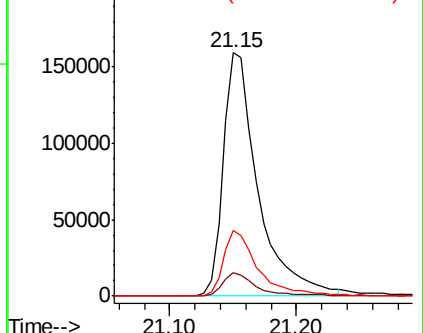


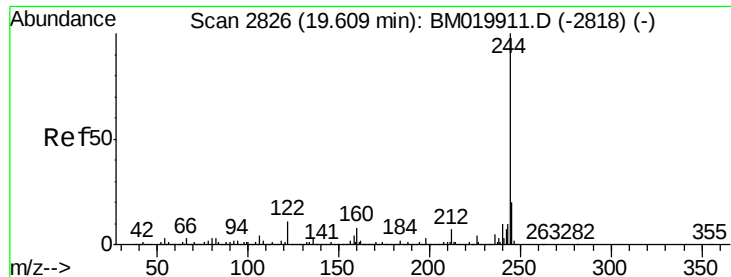
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.15 min Scan# 3088
Delta R.T. -0.01 min
Lab File: BM020062.D
Acq: 24 Apr 2019 07:55

Tgt Ion:240 Resp: 303438
Ion Ratio Lower Upper
240 100
120 9.6 8.6 13.0
236 26.9 21.4 32.2



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





#79

Terphenyl-d14

Concen: 105.002 ng

RT: 19.57 min Scan# 2820

Delta R.T. -0.02 min

Lab File: BM020062.D

Acq: 24 Apr 2019 07:55

Instrument :

BNA_M

ClientSampleId :

EXCAVATION-NEWARK-SOUTH-PIL

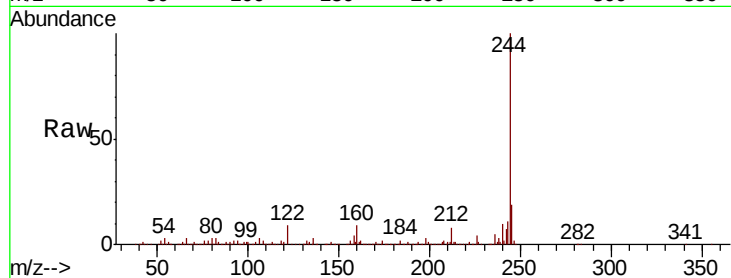
Tot Ion:244 Resp: 1806397

Ion Ratio Lower Upper

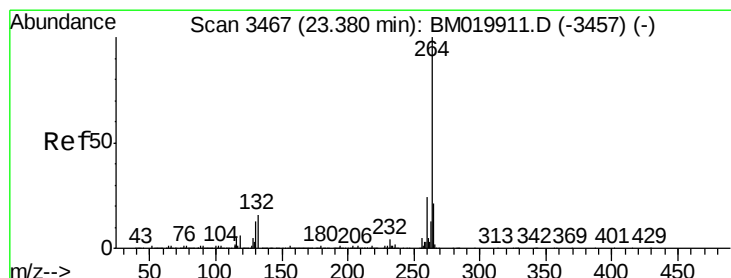
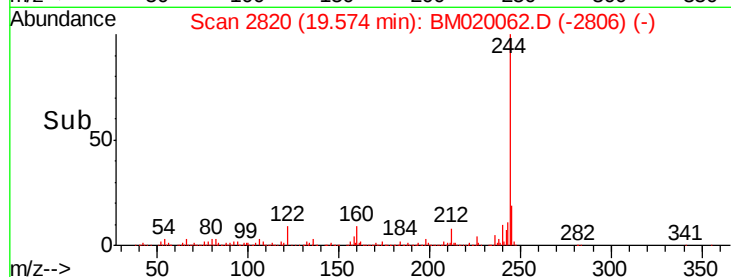
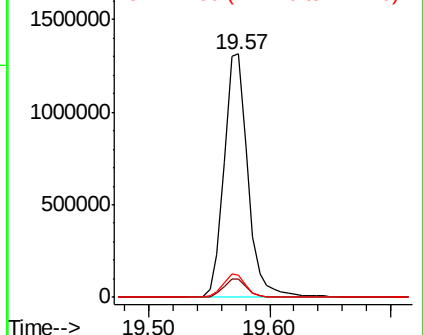
244 100

212 7.5 5.7 8.5

122 9.0 9.1 13.7#



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

Perylene-d12

Concen: 20.000 ng

RT: 23.33 min Scan# 3458

Delta R.T. -0.02 min

Lab File: BM020062.D

Acq: 24 Apr 2019 07:55

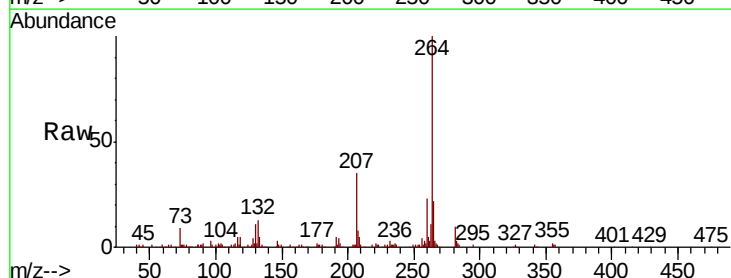
Tgt Ion:264 Resp: 385482

Ion Ratio Lower Upper

264 100

260 23.2 19.2 28.8

265 22.2 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

