

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM053119\
 Data File : BM020633.D
 Acq On : 31 May 2019 16:34
 Operator : JU/SJ
 Sample : K3047-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SOIL-COMP

Quant Time: May 31 17:10:38 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM053119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 31 15:48:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	267343	20.00	ng	0.00
21) Naphthalene-d8	10.63	136	1139942	20.00	ng	0.00
39) Acenaphthene-d10	14.47	164	669117	20.00	ng	0.00
64) Phenanthrene-d10	17.22	188	1470030	20.00	ng	0.00
76) Chrysene-d12	21.39	240	1057540	20.00	ng	0.00
87) Perylene-d12	23.69	264	1091536	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	2294786	150.99	ng	0.00
7) Phenol-d6	7.00	99	3336384	149.09	ng	0.00
23) Nitrobenzene-d5	8.99	82	2077322	94.42	ng	0.00
42) 2,4,6-Tribromophenol	15.96	330	1274983	153.79	ng	0.00
45) 2-Fluorobiphenyl	13.09	172	4433738	88.09	ng	0.00
79) Terphenyl-d14	19.84	244	5728607	90.61	ng	0.00

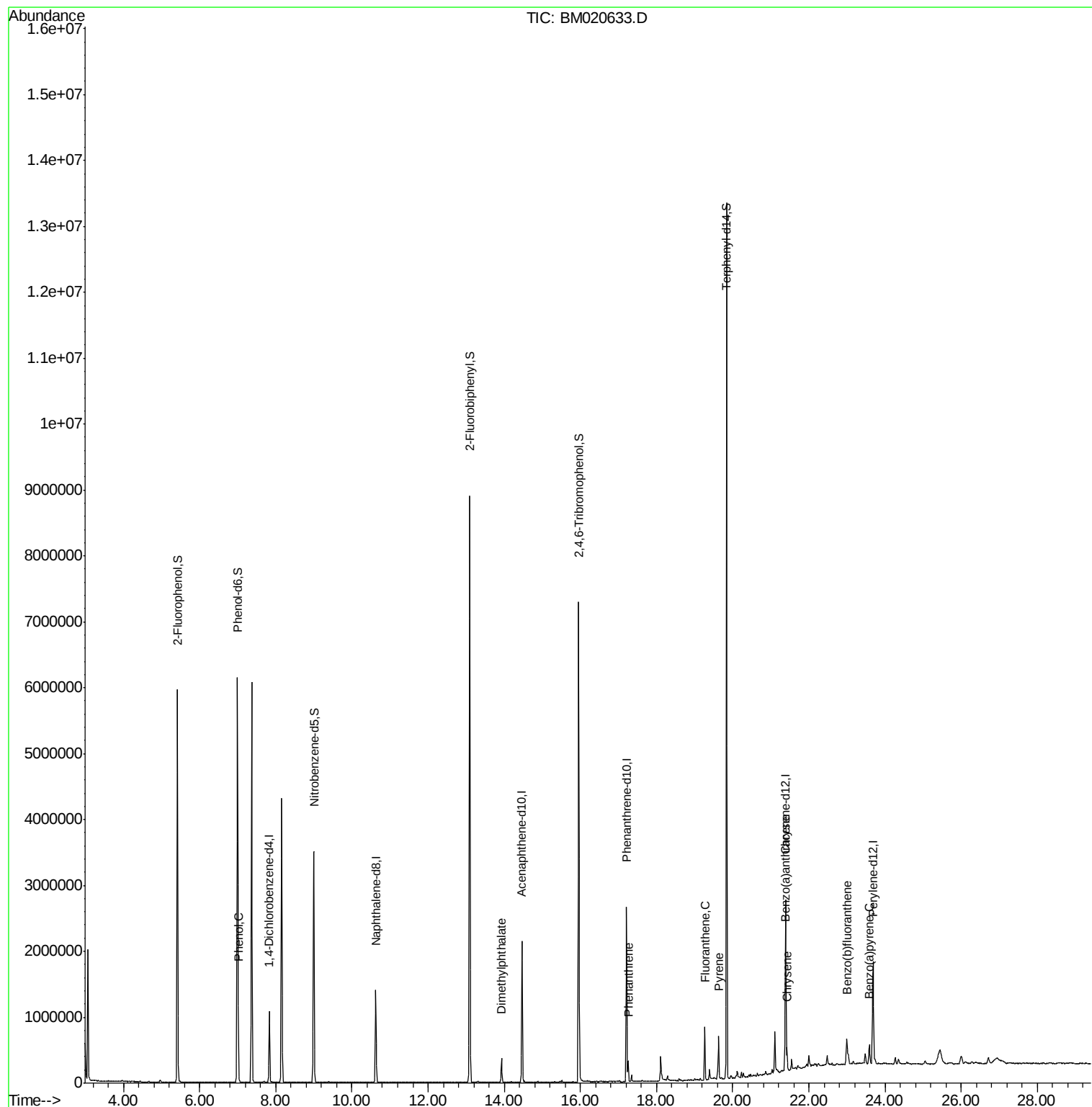
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.02	94	65246	2.705	ng	95
50) Dimethylphthalate	13.93	163	219349	3.837	ng	99
71) Phenanthrene	17.26	178	180113	2.162	ng	99
75) Fluoranthene	19.27	202	444343	4.795	ng	100
78) Pyrene	19.63	202	398731	4.913	ng	100
81) Benzo(a)anthracene	21.37	228	207419	2.816	ng	99
83) Chrysene	21.43	228	180694	2.581	ng	98
88) Benzo(b)fluoranthene	22.99	252	250232	3.468	ng	98
90) Benzo(a)pyrene	23.58	252	156853	2.397	ng	97

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

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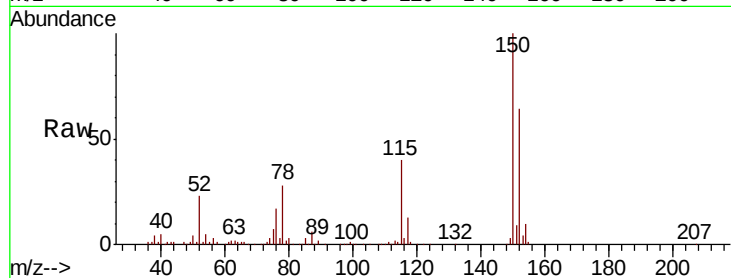


#1

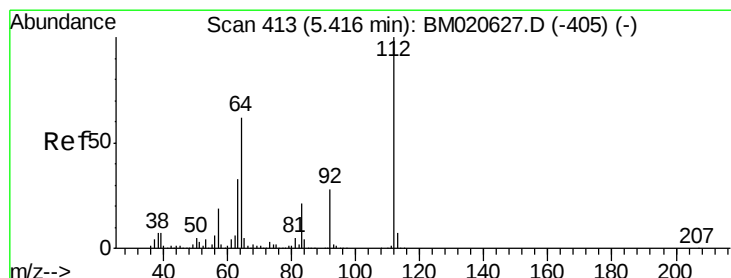
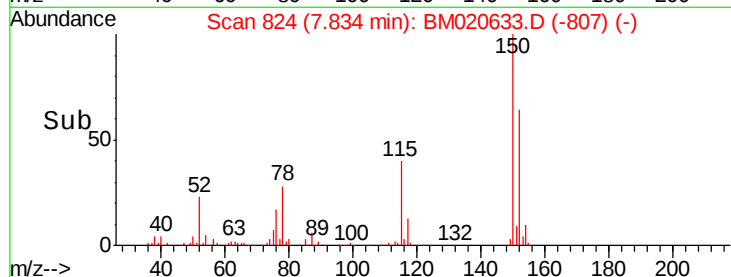
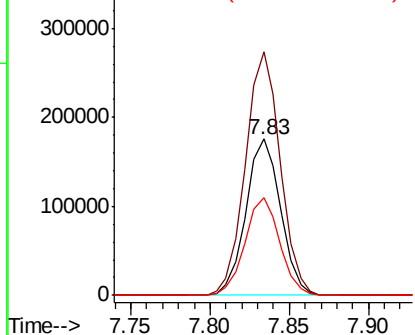
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.83 min Scan# 824
Delta R.T. -0.00 min
Lab File: BM020633.D
Acq: 31 May 2019 16:34

Instrument :
BNA_M
ClientSampleId :
SOIL-COMP

Tot Ion:152 Resp: 267343
Ion Ratio Lower Upper
152 100
150 155.8 126.0 189.0
115 62.2 49.6 74.4



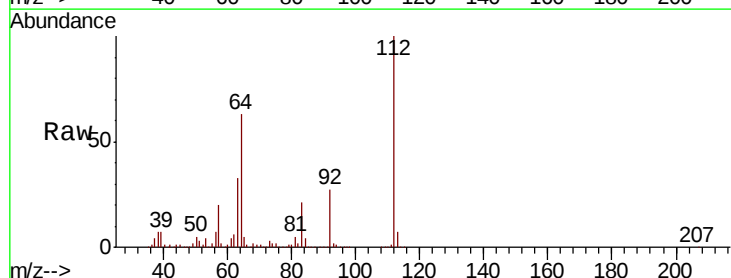
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



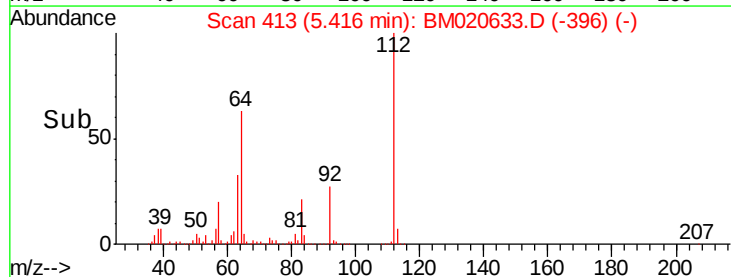
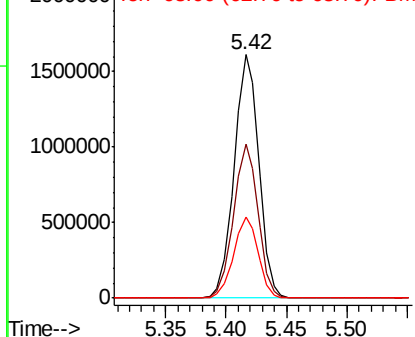
#5

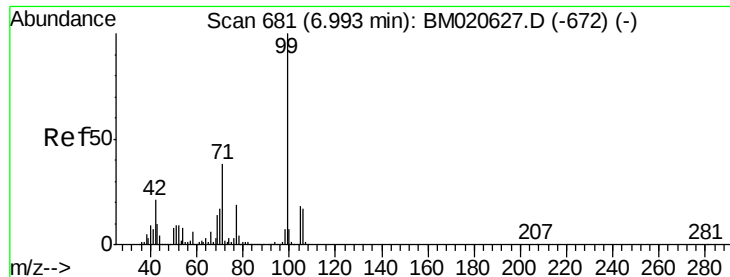
2-Fluorophenol
Concen: 150.993 ng
RT: 5.42 min Scan# 413
Delta R.T. -0.00 min
Lab File: BM020633.D
Acq: 31 May 2019 16:34

Tgt Ion:112 Resp: 2294786
Ion Ratio Lower Upper
112 100
64 63.2 49.7 74.5
63 33.2 26.4 39.6



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: 149.089 ng

RT: 7.00 min Scan# 682

Delta R.T. 0.01 min

Lab File: BM020633.D

Acq: 31 May 2019 16:34

Instrument :

BNA_M

ClientSampled :

SOIL-COMP

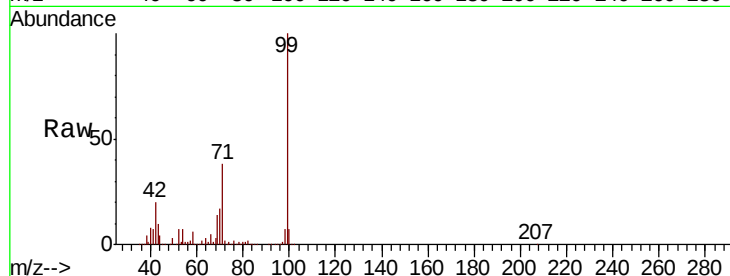
Tot Ion: 99 Resp: 3336384

Ion Ratio Lower Upper

99 100

42 19.9 16.5 24.7

71 38.3 30.7 46.1

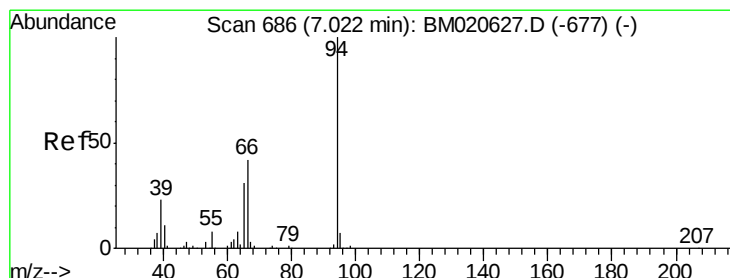
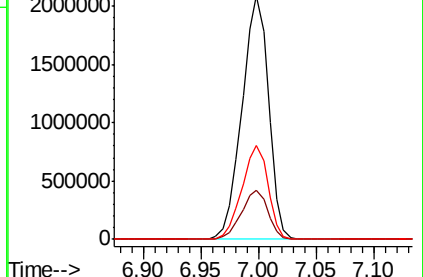
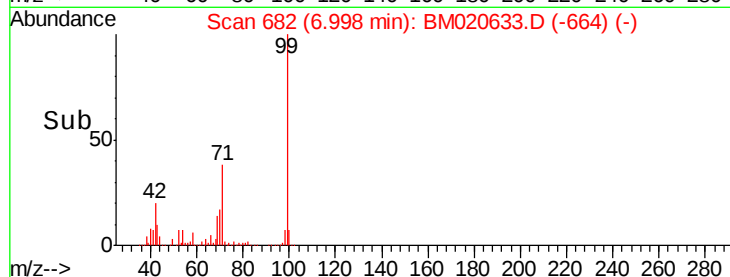


Abundance Ion 99.00 (98.70 to 99.70): BM020633.D (-664) (-)

Ion 42.00 (41.70 to 42.70): BM020633.D (-664) (-)

Ion 71.00 (70.70 to 71.70): BM020633.D (-664) (-)

Time-->



#10

Phenol

Concen: 2.705 ng

RT: 7.02 min Scan# 686

Delta R.T. -0.00 min

Lab File: BM020633.D

Acq: 31 May 2019 16:34

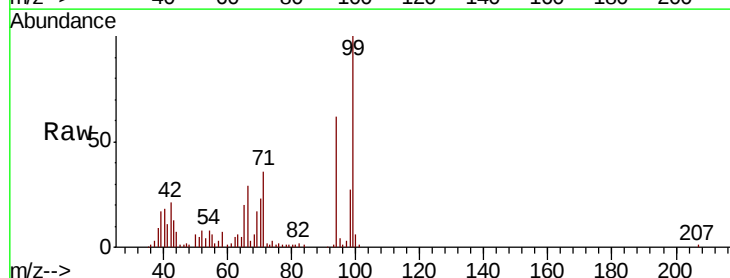
Tgt Ion: 94 Resp: 65246

Ion Ratio Lower Upper

94 100

65 32.2 10.7 50.7

66 47.0 22.3 62.3

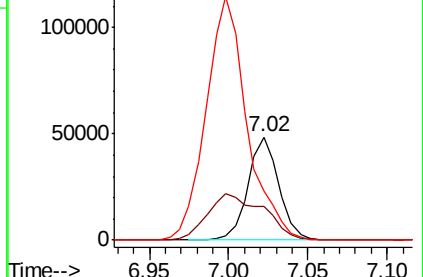
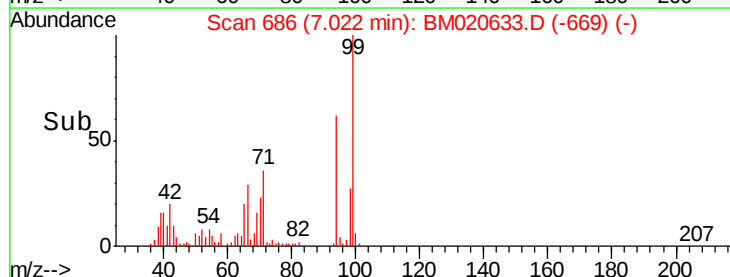


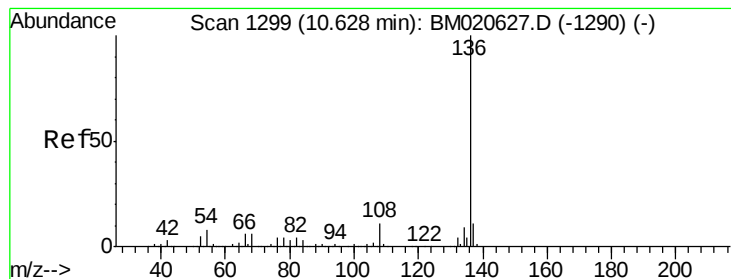
Abundance Ion 94.00 (93.70 to 94.70): BM020633.D (-669) (-)

Ion 65.00 (64.70 to 65.70): BM020633.D (-669) (-)

Ion 66.00 (65.70 to 66.70): BM020633.D (-669) (-)

Time-->





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.63 min Scan# 1299

Delta R.T. -0.00 min

Lab File: BM020633.D

Acq: 31 May 2019 16:34

Instrument :

BNA_M

ClientSampleId :

SOIL-COMP

Tot Ion:136 Resp: 1139942

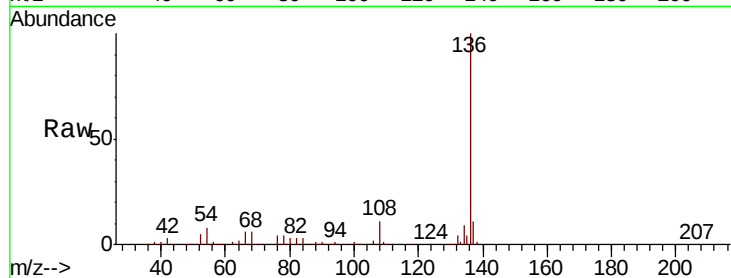
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	8.2	6.6	10.0
68	6.5	5.1	7.7

136 100

137 10.7 8.8 13.2

54 8.2 6.6 10.0

68 6.5 5.1 7.7

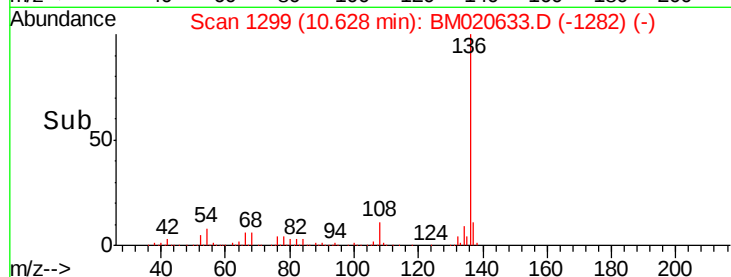


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

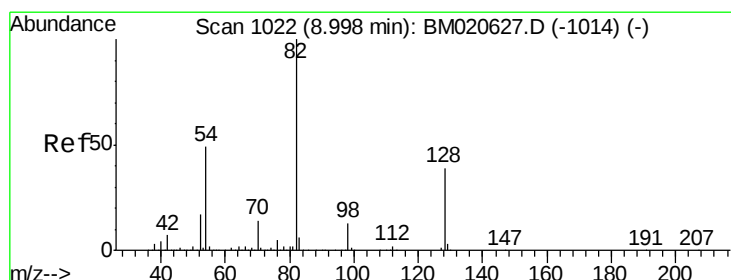
Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



10.63

Time-->



#23

Nitrobenzene-d5

Concen: 94.417 ng

RT: 8.99 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BM020633.D

Acq: 31 May 2019 16:34

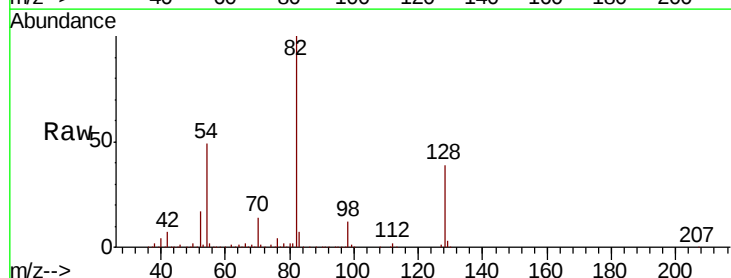
Tgt Ion: 82 Resp: 2077322

Ion	Ratio	Lower	Upper
82	100		
128	39.3	31.5	47.3
54	49.0	39.4	59.0

82 100

128 39.3 31.5 47.3

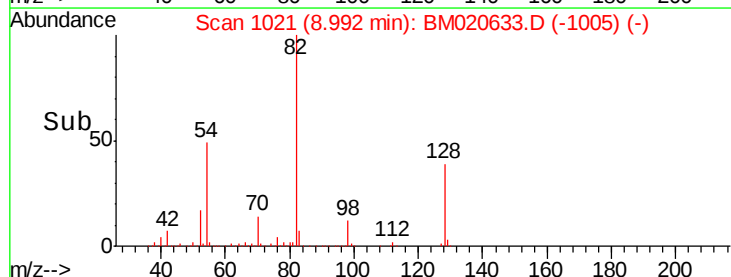
54 49.0 39.4 59.0



Abundance Ion 82.00 (81.70 to 82.70): BM

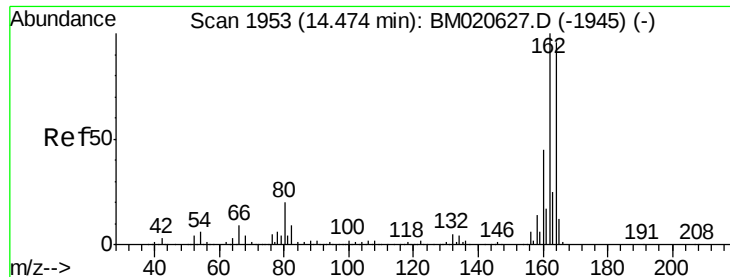
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM



8.99

Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.47 min Scan# 1952

Delta R.T. -0.01 min

Lab File: BM020633.D

Acq: 31 May 2019 16:34

Instrument :

BNA_M

ClientSampled :

SOIL-COMP

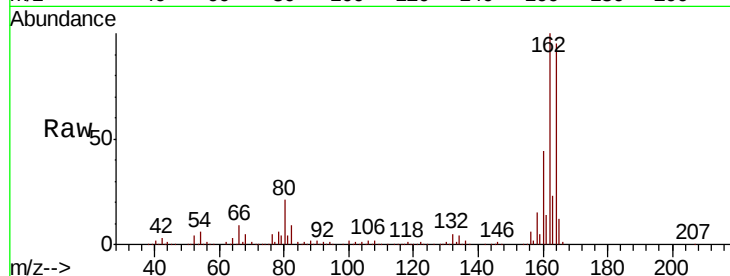
Tot Ion:164 Resp: 669117

Ion Ratio Lower Upper

164 100

162 105.6 83.2 124.8

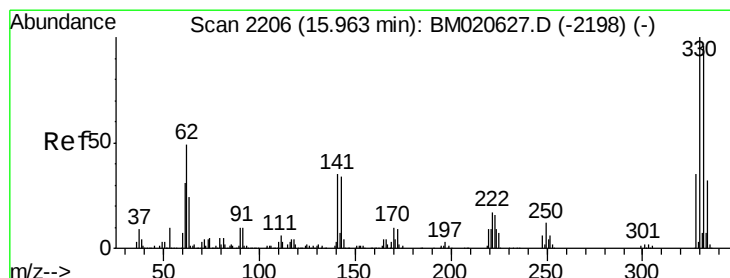
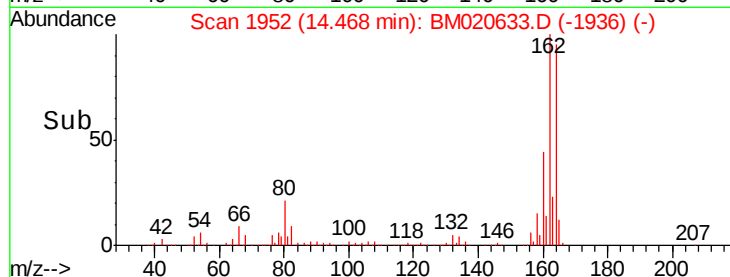
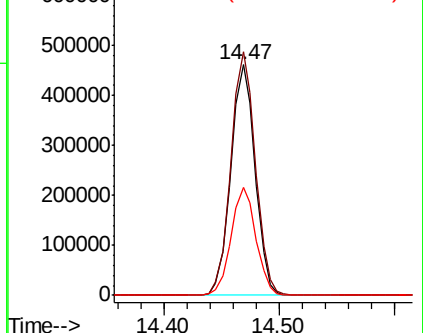
160 46.7 37.5 56.3



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: 153.792 ng

RT: 15.96 min Scan# 2205

Delta R.T. -0.01 min

Lab File: BM020633.D

Acq: 31 May 2019 16:34

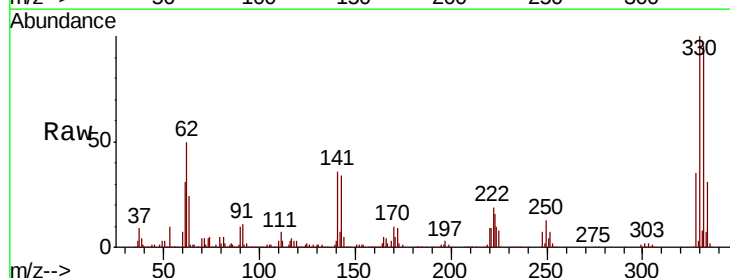
Tgt Ion:330 Resp: 1274983

Ion Ratio Lower Upper

330 100

332 96.1 77.4 116.0

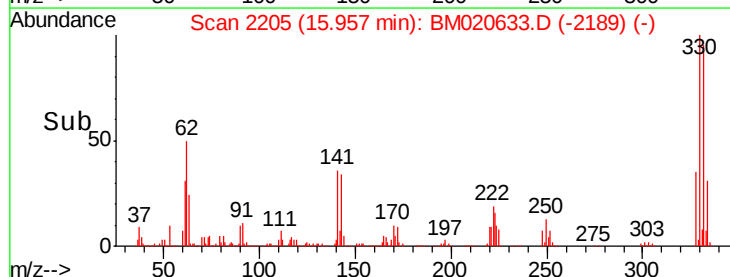
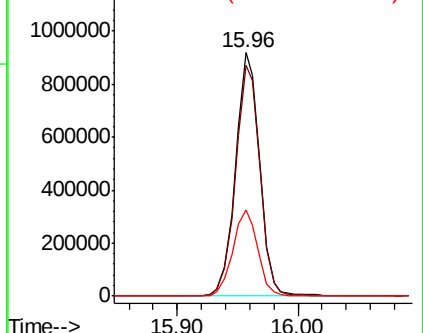
141 36.6 30.4 45.6

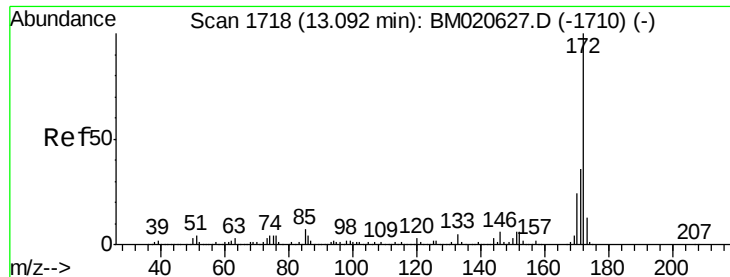


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

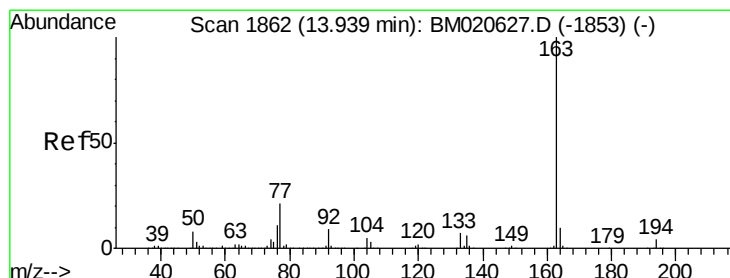
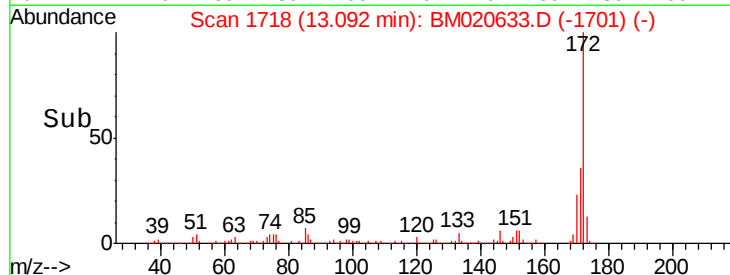
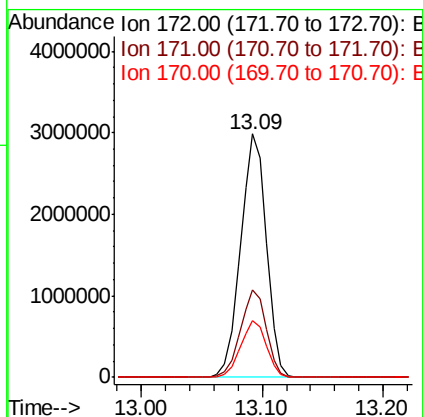
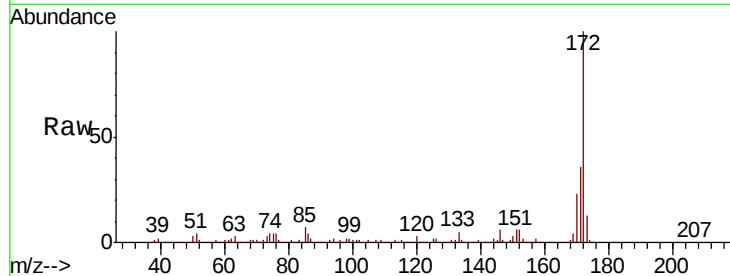




#45
2-Fluorobiphenyl
Concen: 88.093 ng
RT: 13.09 min Scan# 1718
Delta R.T. -0.00 min
Lab File: BM020633.D
Acq: 31 May 2019 16:34

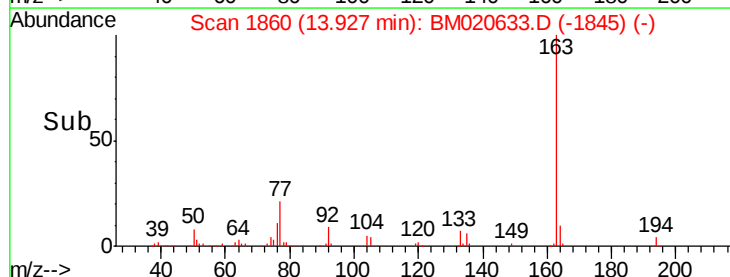
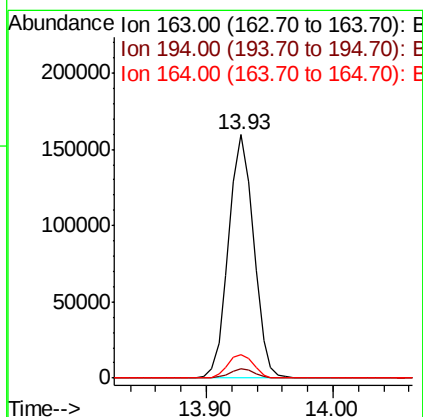
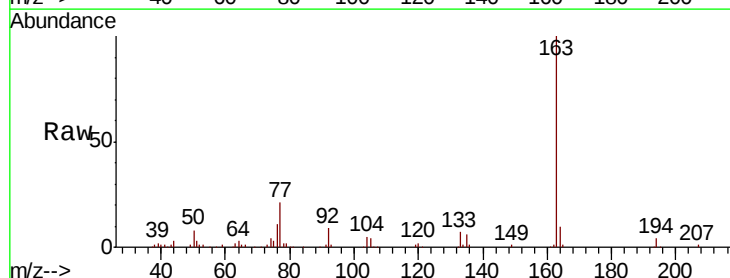
Instrument :
BNA_M
ClientSampleId :
SOIL-COMP

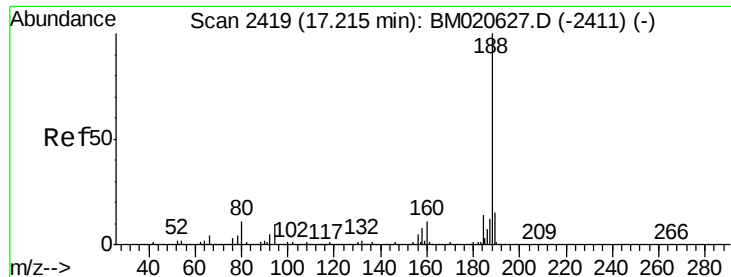
Tot Ion:172 Resp: 4433738
Ion Ratio Lower Upper
172 100
171 36.0 28.6 43.0
170 23.5 18.9 28.3



#50
Dimethylphthalate
Concen: 3.837 ng
RT: 13.93 min Scan# 1860
Delta R.T. -0.01 min
Lab File: BM020633.D
Acq: 31 May 2019 16:34

Tgt Ion:163 Resp: 219349
Ion Ratio Lower Upper
163 100
194 3.7 3.2 4.8
164 9.5 7.9 11.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.22 min Scan# 2419

Delta R.T. -0.00 min

Lab File: BM020633.D

Acq: 31 May 2019 16:34

Instrument :

BNA_M

ClientSampleId :

SOIL-COMP

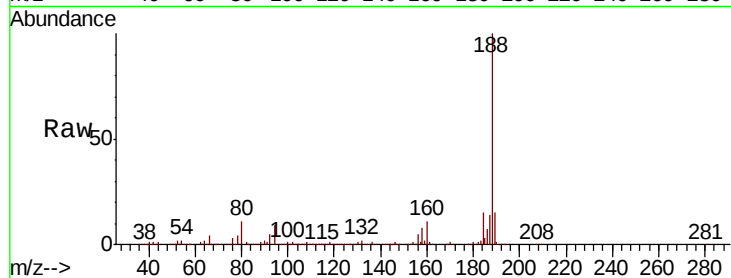
Tot Ion:188 Resp: 1470030

Ion Ratio Lower Upper

188 100

94 9.2 7.8 11.8

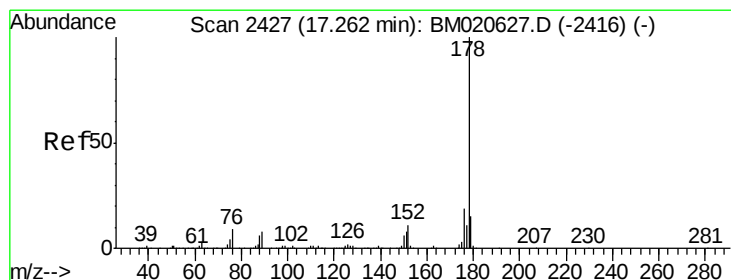
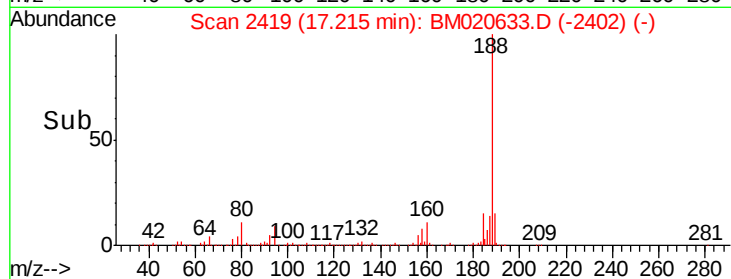
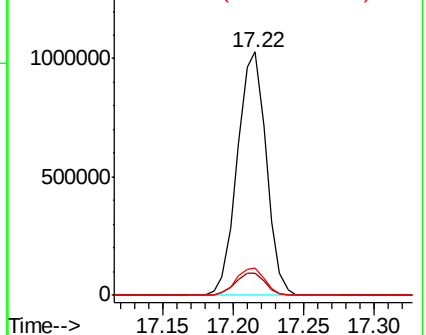
80 11.1 9.0 13.6



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



#71

Phenanthrene

Concen: 2.162 ng

RT: 17.26 min Scan# 2426

Delta R.T. -0.01 min

Lab File: BM020633.D

Acq: 31 May 2019 16:34

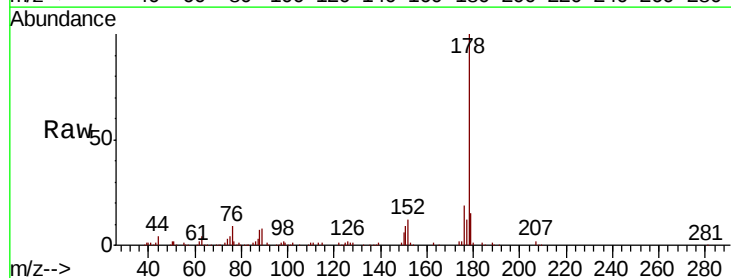
Tgt Ion:178 Resp: 180113

Ion Ratio Lower Upper

178 100

176 18.9 15.5 23.3

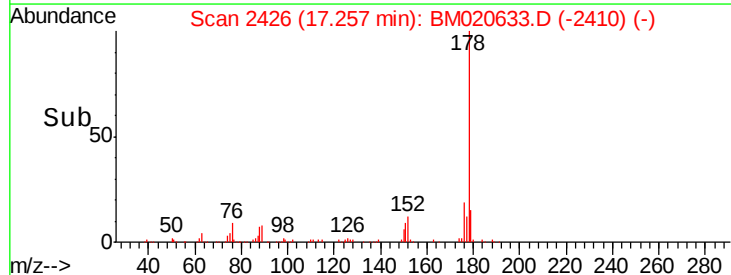
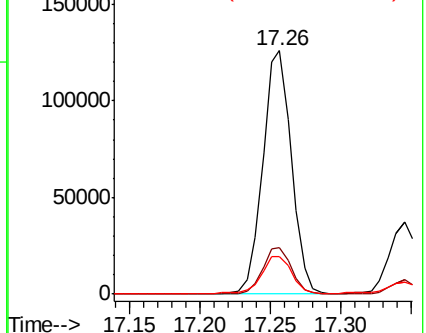
179 15.3 12.2 18.4

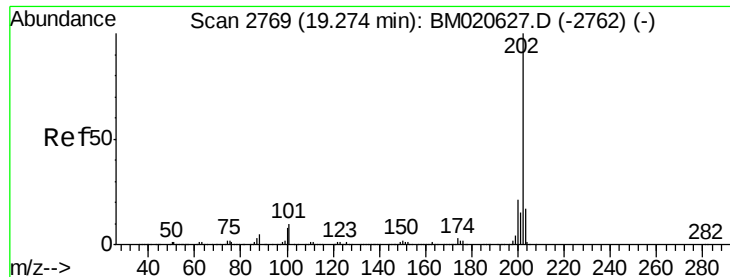


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 4.795 ng

RT: 19.27 min Scan# 2768

Delta R.T. -0.01 min

Lab File: BM020633.D

Acq: 31 May 2019 16:34

Instrument :

BNA_M

ClientSampleId :

SOIL-COMP

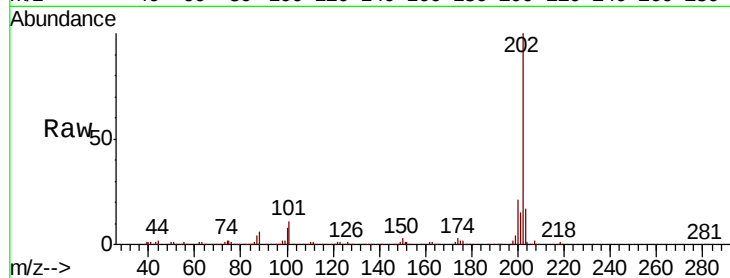
Tot Ion:202 Resp: 444343

Ion Ratio Lower Upper

202 100

101 10.7 0.0 30.4

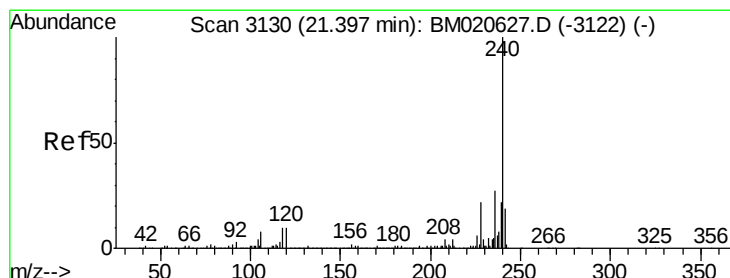
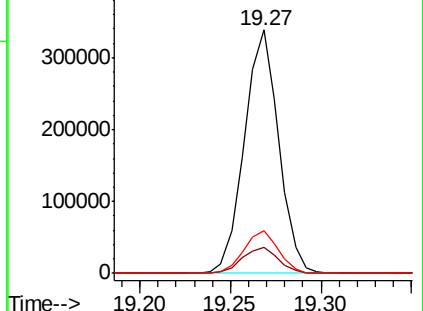
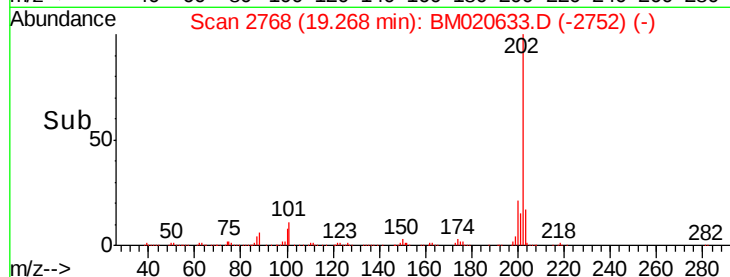
203 17.3 0.0 37.3



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: 21.39 min Scan# 3129

Delta R.T. -0.01 min

Lab File: BM020633.D

Acq: 31 May 2019 16:34

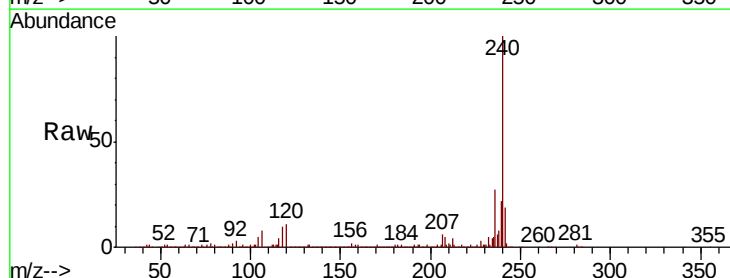
Tgt Ion:240 Resp: 1057540

Ion Ratio Lower Upper

240 100

120 11.4 8.2 12.2

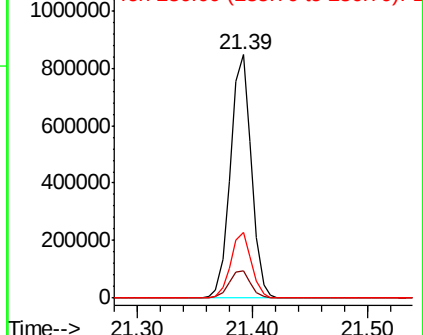
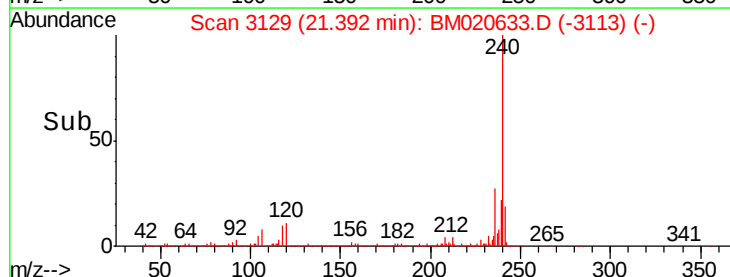
236 26.8 21.2 31.8

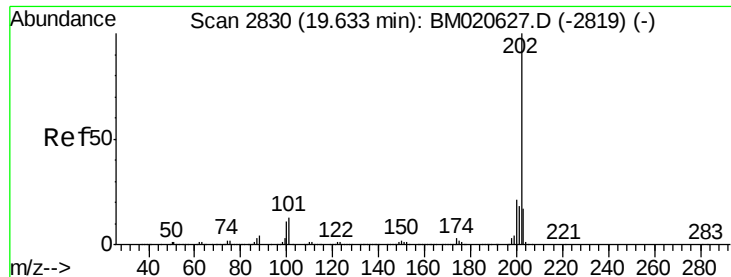


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

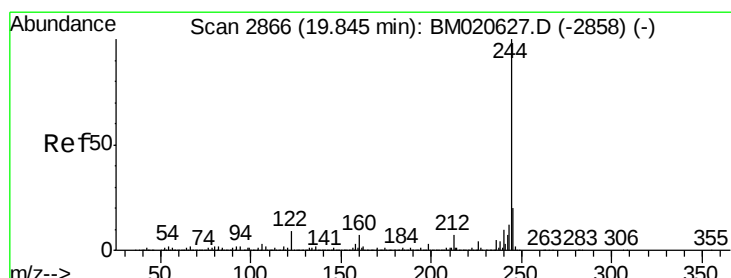
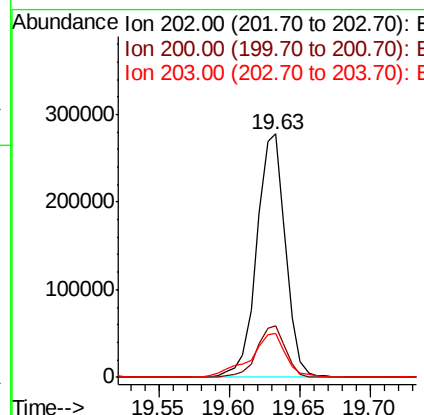
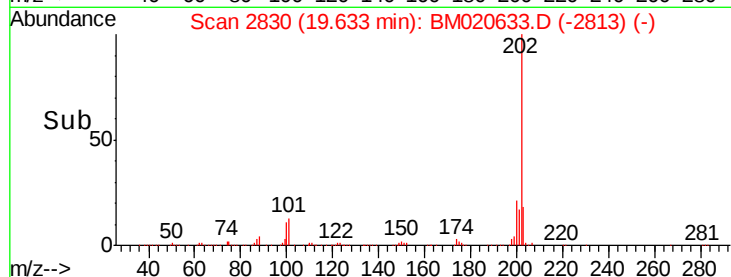
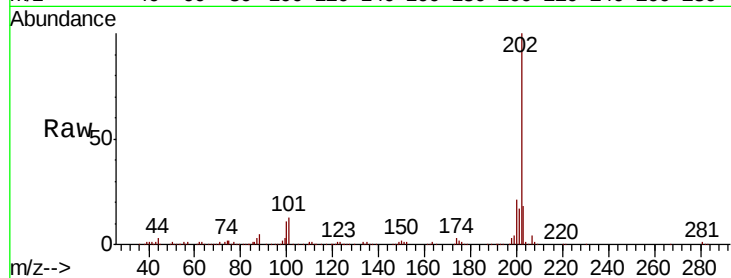




#78
Pvrene
Concen: 4.913 ng
RT: 19.63 min Scan# 2830
Delta R.T. -0.00 min
Lab File: BM020633.D
Acq: 31 May 2019 16:34

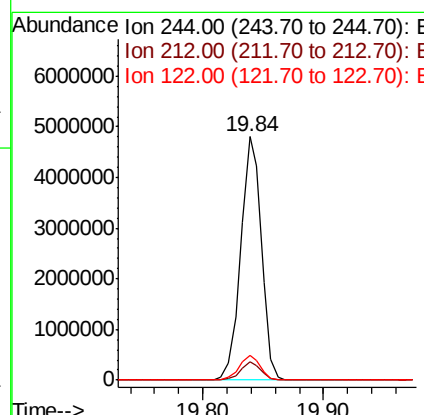
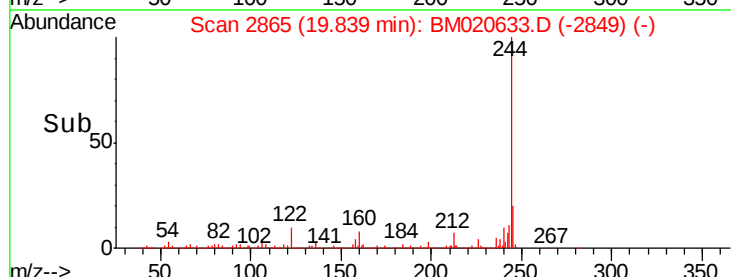
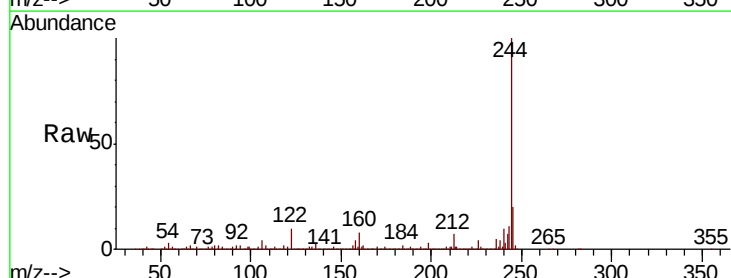
Instrument :
BNA_M
ClientSampleId :
SOIL-COMP

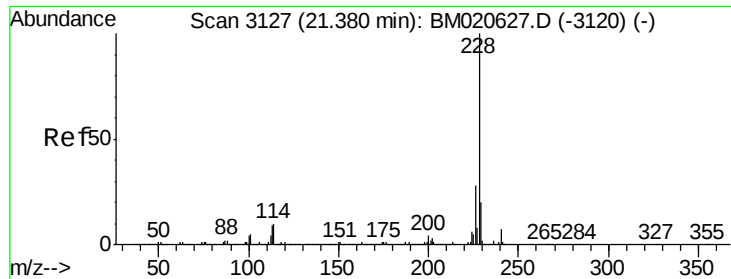
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.8	25.2
203	17.8	13.9	20.9



#79
Terphenyl-d14
Concen: 90.606 ng
RT: 19.84 min Scan# 2865
Delta R.T. -0.01 min
Lab File: BM020633.D
Acq: 31 May 2019 16:34

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.7	8.5
122	10.3	7.2	10.8

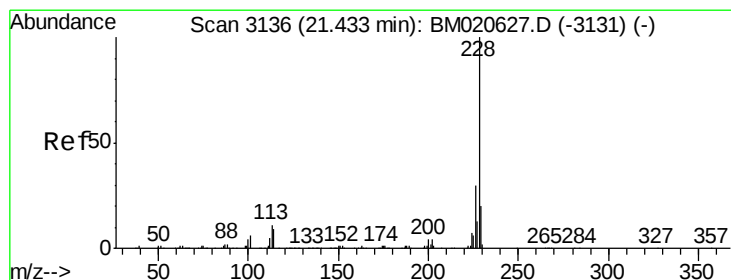
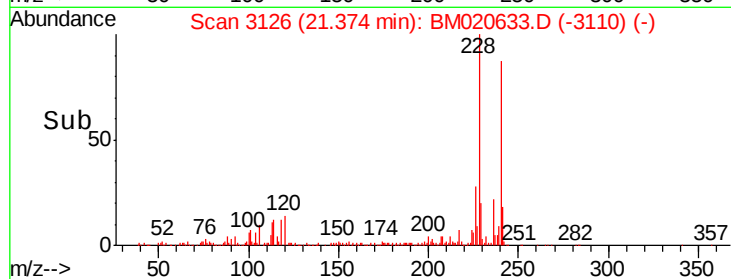
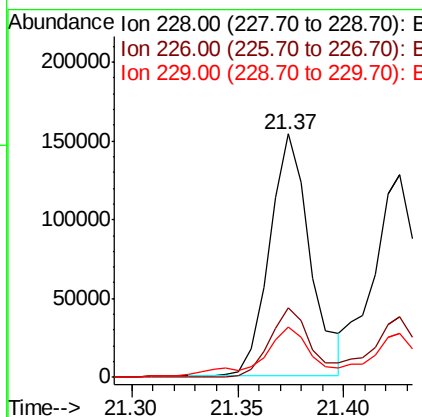
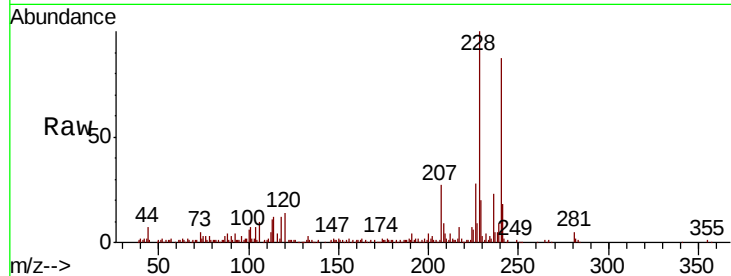




#81
Benzo(a)anthracene
Concen: 2.816 ng
RT: 21.37 min Scan# 3126
Delta R.T. -0.01 min
Lab File: BM020633.D
Acq: 31 May 2019 16:34

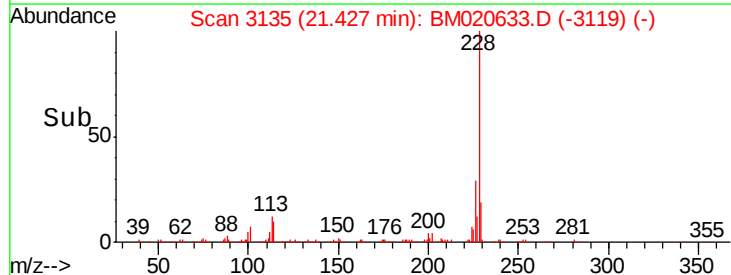
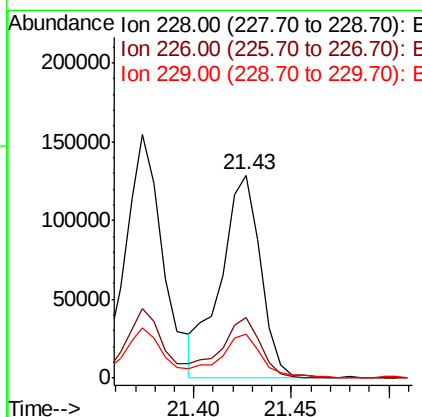
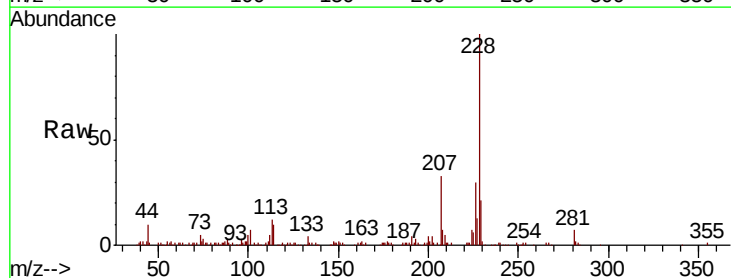
Instrument :
BNA_M
ClientSampleId :
SOIL-COMP

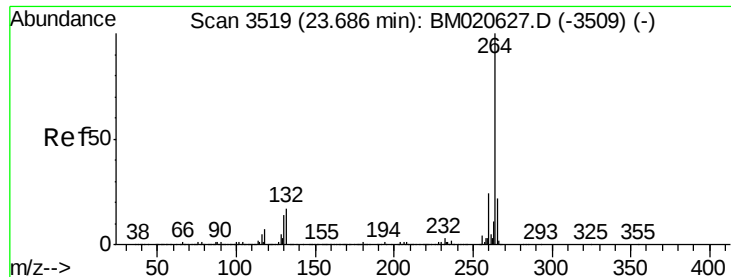
Tot Ion:228 Resp: 207419
Ion Ratio Lower Upper
228 100
226 28.4 22.3 33.5
229 20.5 15.9 23.9



#83
Chrysene
Concen: 2.581 ng
RT: 21.43 min Scan# 3135
Delta R.T. -0.01 min
Lab File: BM020633.D
Acq: 31 May 2019 16:34

Tgt Ion:228 Resp: 180694
Ion Ratio Lower Upper
228 100
226 29.6 24.2 36.2
229 21.3 15.8 23.6





#87

Pervlene-d12

Concen: 20.000 ng

RT: 23.69 min Scan# 3519

Delta R.T. -0.00 min

Lab File: BM020633.D

Acq: 31 May 2019 16:34

Instrument :

BNA_M

ClientSampleId :

SOIL-COMP

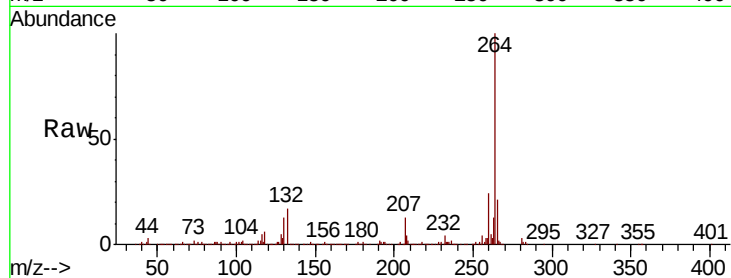
Tot Ion:264 Resp: 1091536

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

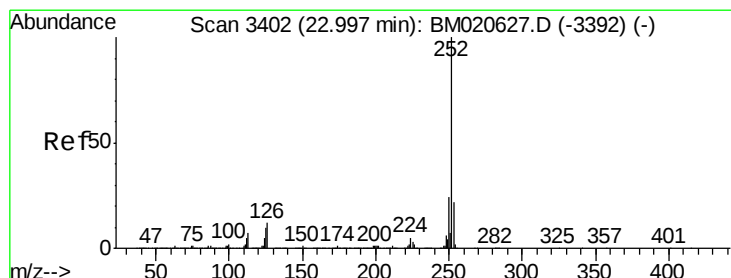
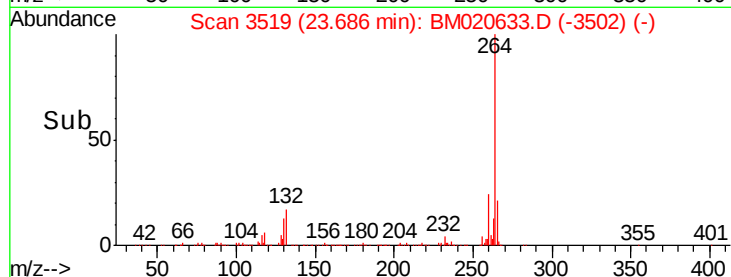
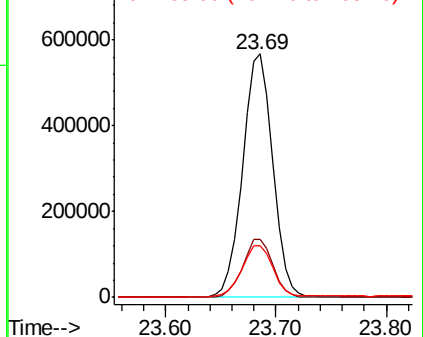
265 21.2 17.6 26.4



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



#88

Benzo(b)fluoranthene

Concen: 3.468 ng

RT: 22.99 min Scan# 3401

Delta R.T. -0.01 min

Lab File: BM020633.D

Acq: 31 May 2019 16:34

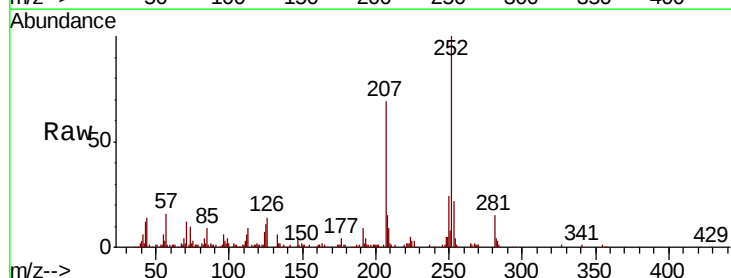
Tgt Ion:252 Resp: 250232

Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.2

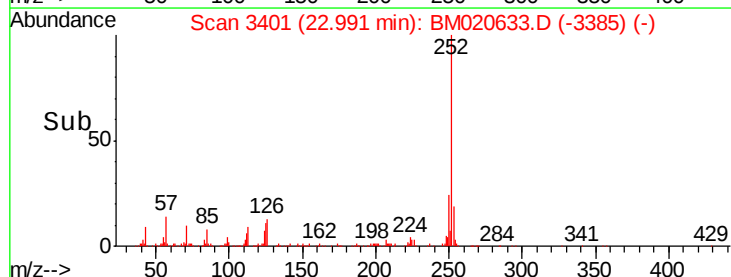
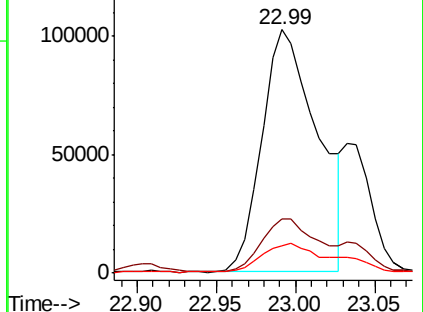
125 11.4 7.8 11.8

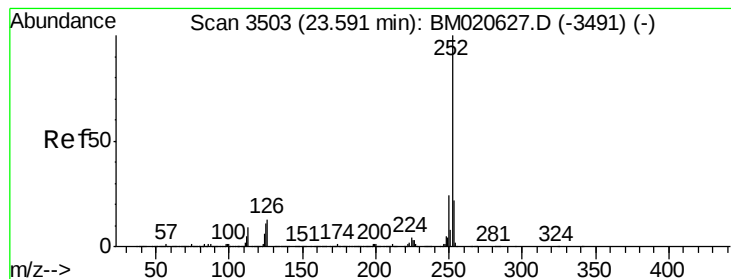


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90
 Benzo(a)pyrene
 Concen: 2.397 ng
 RT: 23.58 min Scan# 3501
 Delta R.T. -0.01 min
 Lab File: BM020633.D
 Acq: 31 May 2019 16:34

Instrument :
 BNA_M
 ClientSampleId :
 SOIL-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.5	26.3
125	12.2	8.6	13.0

