

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052319\
 Data File : BM020534.D
 Acq On : 24 May 2019 02:11
 Operator : JU/SJ
 Sample : K2978-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RO-SOIL

Quant Time: May 24 03:47:48 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 23 13:59:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	51015	20.00	ng	0.00
21) Naphthalene-d8	10.46	136	157314	20.00	ng	0.00
39) Acenaphthene-d10	14.33	164	95779	20.00	ng	0.00
64) Phenanthrene-d10	17.08	188	236673	20.00	ng	0.00
76) Chrysene-d12	21.27	240	275282	20.00	ng	-0.01
87) Perylene-d12	23.52	264	340478	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	416047	133.31	ng	0.00
7) Phenol-d6	6.85	99	464613	108.97	ng	0.00
23) Nitrobenzene-d5	8.84	82	377299	94.69	ng	0.00
42) 2,4,6-Tribromophenol	15.83	330	263146	177.00	ng	0.00
45) 2-Fluorobiphenyl	12.94	172	727058	93.40	ng	0.00
79) Terphenyl-d14	19.71	244	1513416	95.89	ng	-0.01

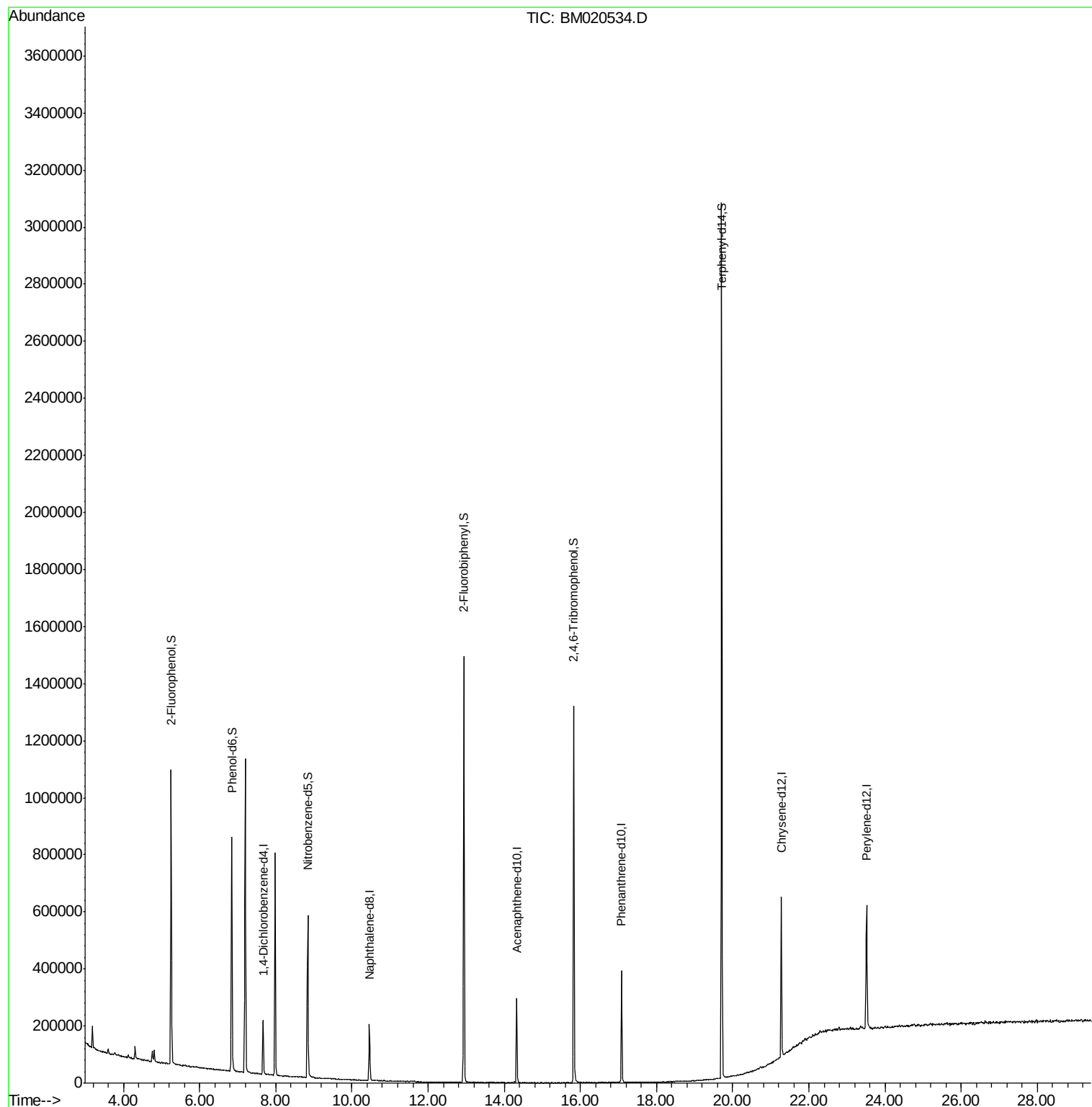
Target Compounds Qvalue

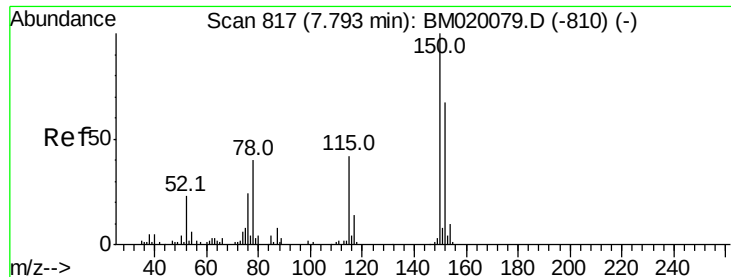
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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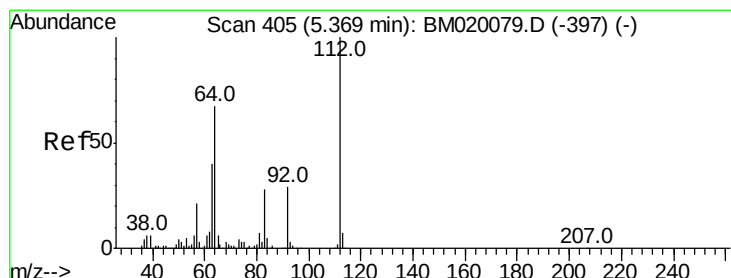
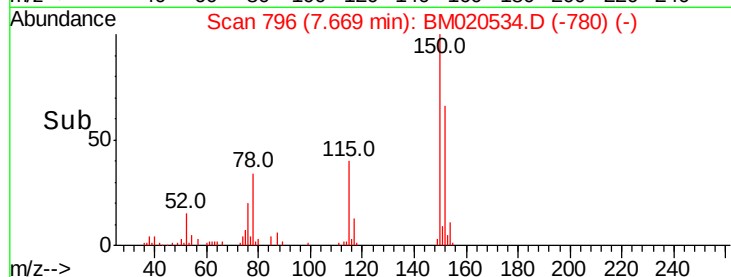
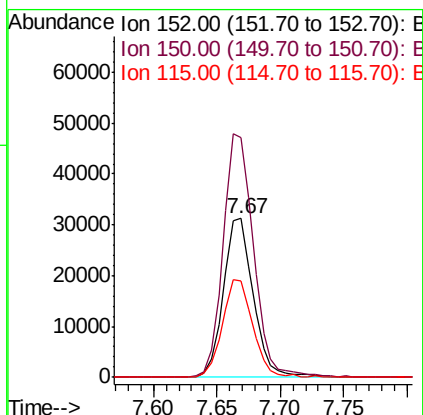
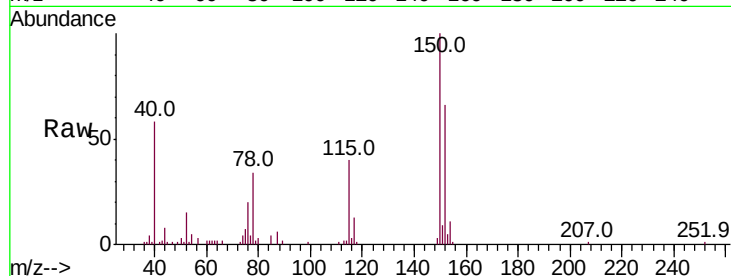


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.67 min Scan# 796
Delta R.T. -0.01 min
Lab File: BM020534.D
Acq: 24 May 2019 02:11

Instrument :
BNA_M
ClientSampled :
RO-SOIL

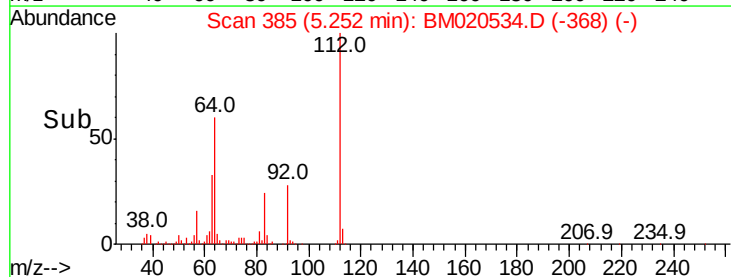
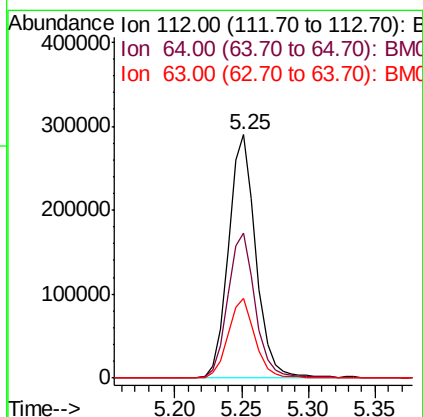
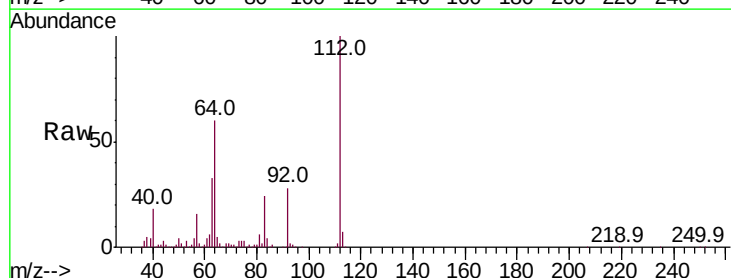
Tot Ion:152 Resp: 51015
Ion Ratio Lower Upper
152 100
150 150.8 119.8 179.8
115 60.6 50.8 76.2

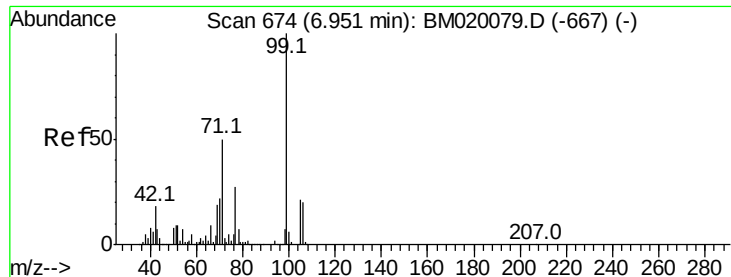


#5

2-Fluorophenol
Concen: 133.307 ng
RT: 5.25 min Scan# 385
Delta R.T. 0.00 min
Lab File: BM020534.D
Acq: 24 May 2019 02:11

Tgt Ion:112 Resp: 416047
Ion Ratio Lower Upper
112 100
64 59.6 53.8 80.6
63 32.6 32.3 48.5





#7

Phenol-d6

Concen: 108.970 ng

RT: 6.85 min Scan# 656

Delta R.T. -0.01 min

Lab File: BM020534.D

Acq: 24 May 2019 02:11

Instrument :

BNA_M

ClientSampleId :

RO-SOIL

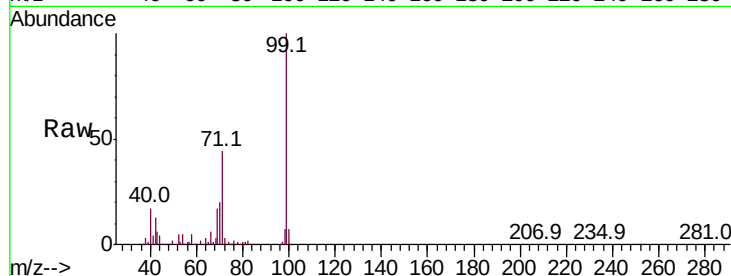
Tot Ion: 99 Resp: 464613

Ion Ratio Lower Upper

99 100

42 12.6 14.2 21.2#

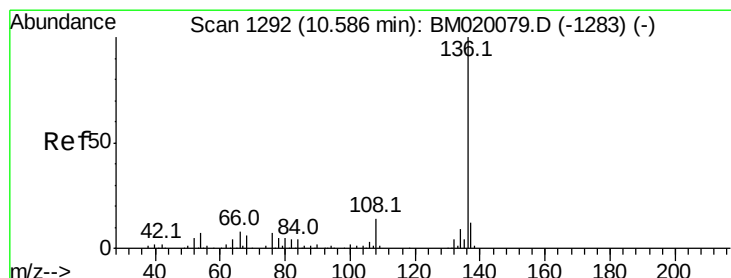
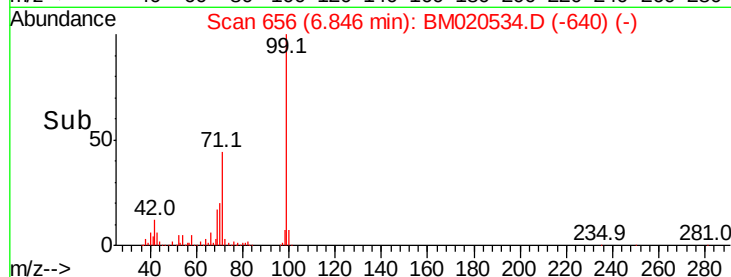
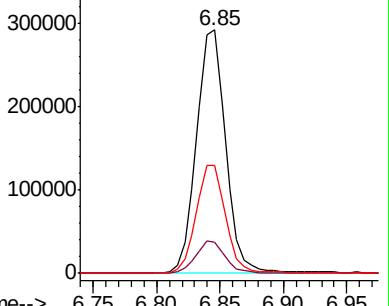
71 44.4 40.3 60.5



Abundance Ion 99.00 (98.70 to 99.70): BM020534.D (-640) (-)

Ion 42.00 (41.70 to 42.70): BM020534.D (-640) (-)

Ion 71.00 (70.70 to 71.70): BM020534.D (-640) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.46 min Scan# 1270

Delta R.T. -0.01 min

Lab File: BM020534.D

Acq: 24 May 2019 02:11

Tgt Ion: 136 Resp: 157314

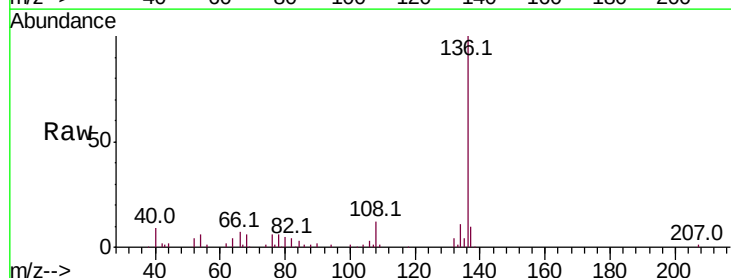
Ion Ratio Lower Upper

136 100

137 10.3 9.6 14.4

54 5.7 5.5 8.3

68 5.5 4.6 6.8

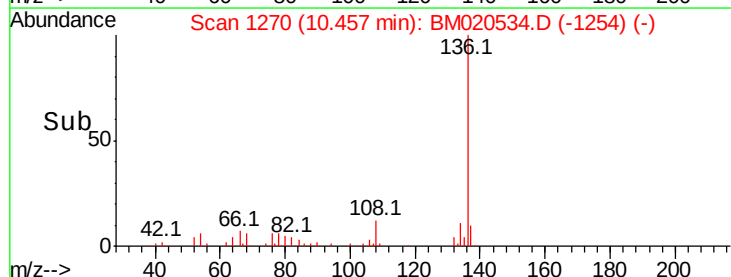
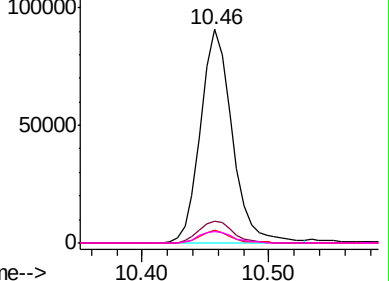


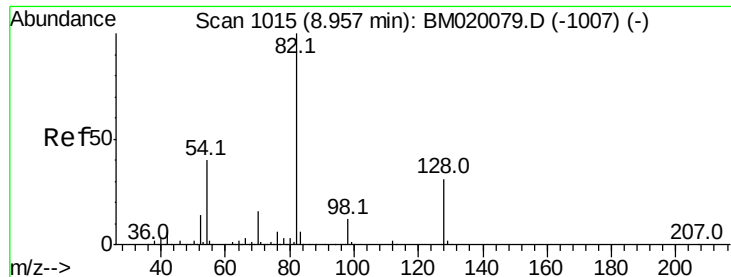
Abundance Ion 136.00 (135.70 to 136.70): BM020534.D (-1254) (-)

Ion 137.00 (136.70 to 137.70): BM020534.D (-1254) (-)

Ion 54.00 (53.70 to 54.70): BM020534.D (-1254) (-)

Ion 68.00 (67.70 to 68.70): BM020534.D (-1254) (-)

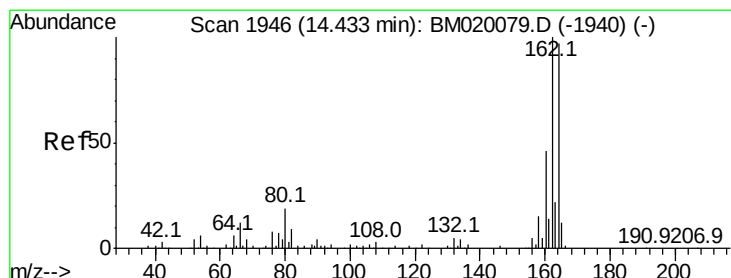
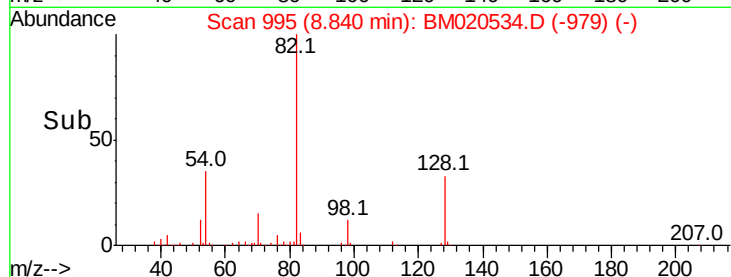
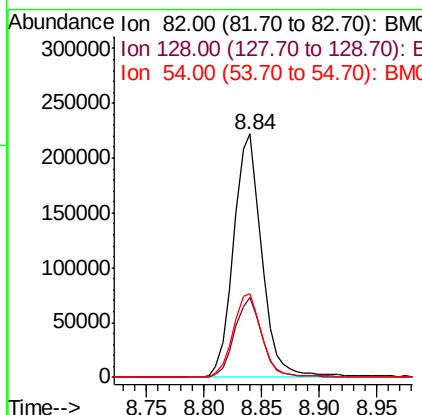
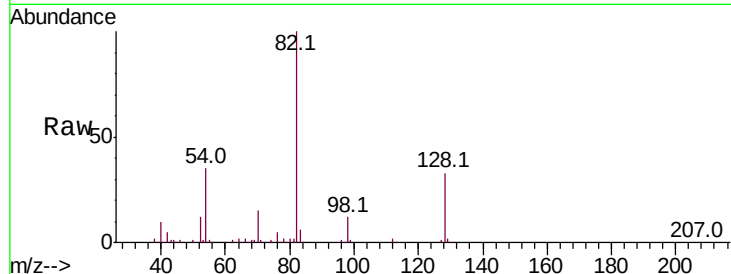




#23
Nitrobenzene-d5
Concen: 94.688 ng
RT: 8.84 min Scan# 995
Delta R.T. -0.01 min
Lab File: BM020534.D
Acq: 24 May 2019 02:11

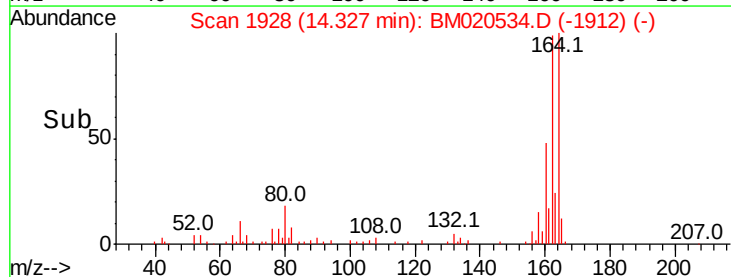
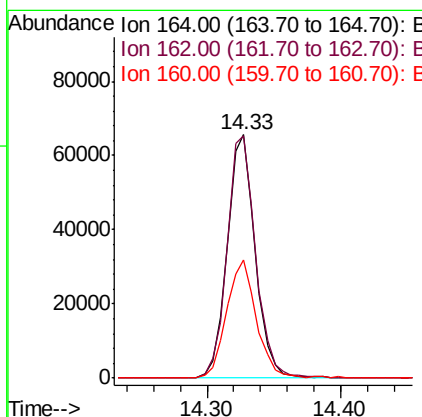
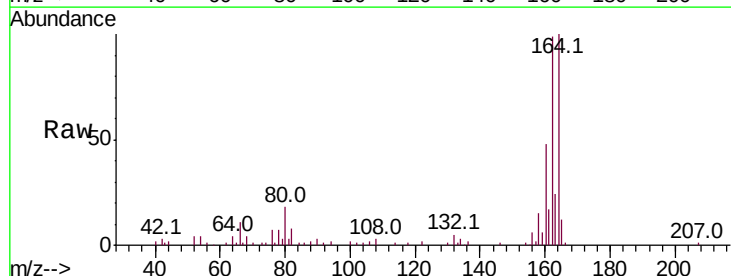
Instrument :
BNA_M
ClientSampleId :
RO-SOIL

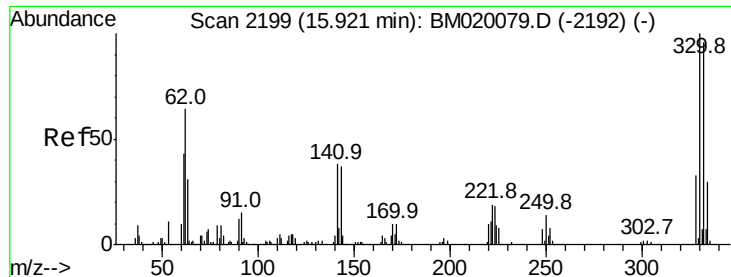
Tot Ion	82	Resp	377299
Ion Ratio	Lower	Upper	
82	100		
128	32.8	25.2	37.8
54	34.5	31.9	47.9



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.33 min Scan# 1928
Delta R.T. -0.01 min
Lab File: BM020534.D
Acq: 24 May 2019 02:11

Tgt Ion	164	Resp	95779
Ion Ratio	Lower	Upper	
164	100		
162	99.3	82.2	123.2
160	48.5	37.6	56.4

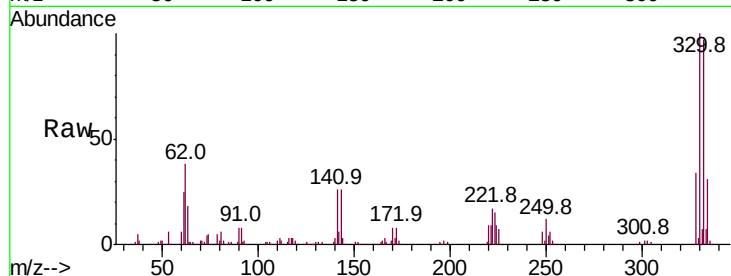




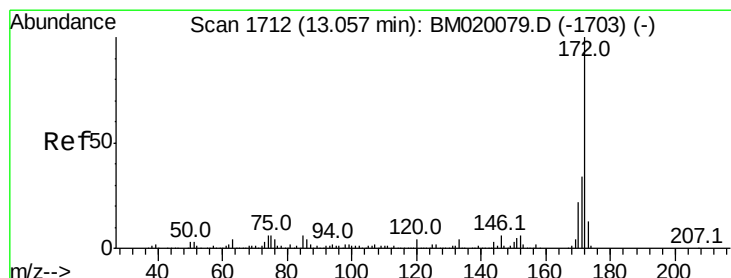
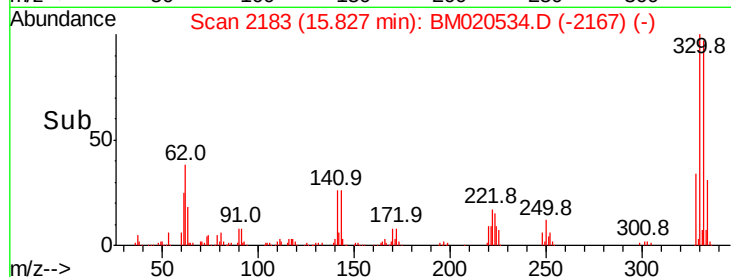
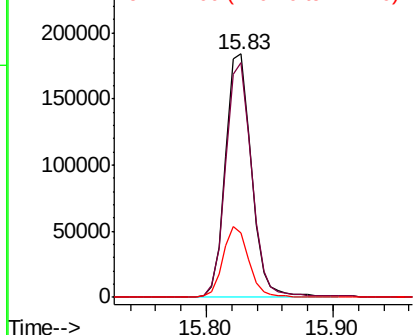
#42
 2,4,6-Tribromophenol
 Concen: 177.004 ng
 RT: 15.83 min Scan# 2183
 Delta R.T. -0.01 min
 Lab File: BM020534.D
 Acq: 24 May 2019 02:11

Instrument :
 BNA_M
 ClientSampled :
 RO-SOIL

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.8	115.2
141	28.8	29.2	43.8#

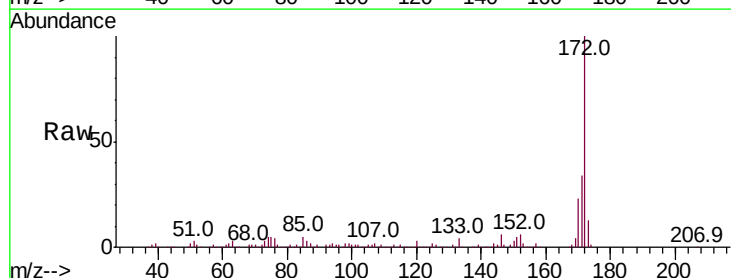


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

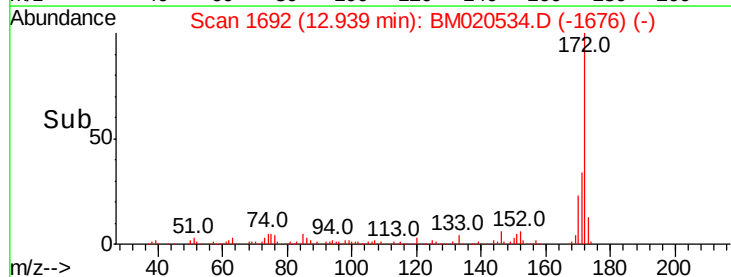
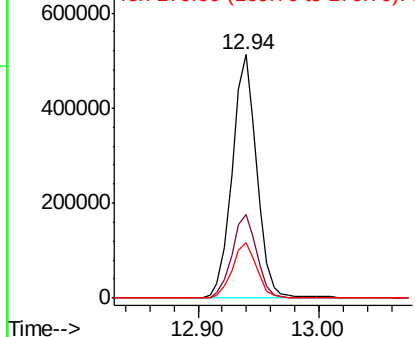


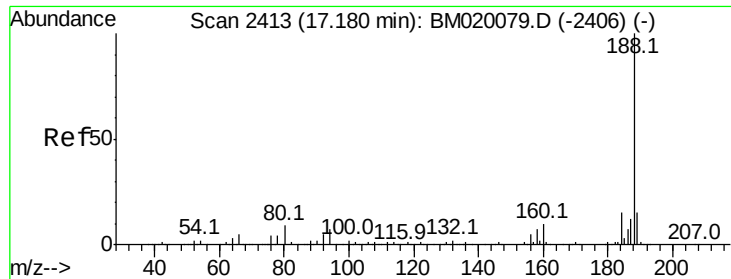
#45
 2-Fluorobiphenyl
 Concen: 93.397 ng
 RT: 12.94 min Scan# 1692
 Delta R.T. -0.01 min
 Lab File: BM020534.D
 Acq: 24 May 2019 02:11

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.1	27.3	40.9
170	22.8	17.9	26.9



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

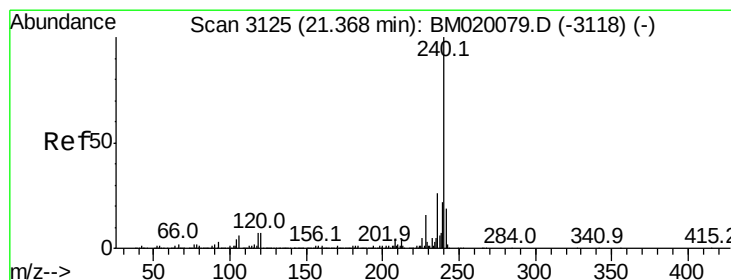
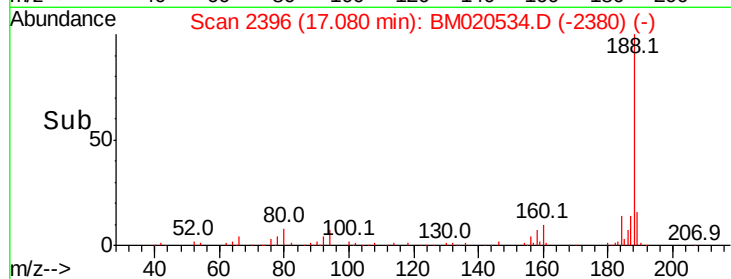
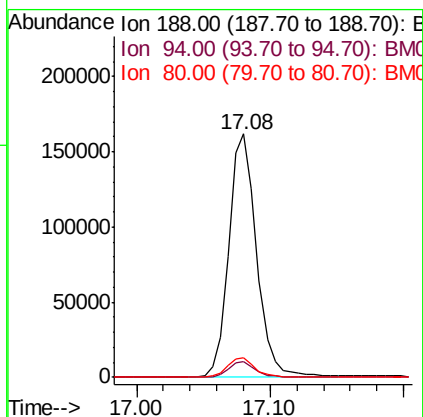
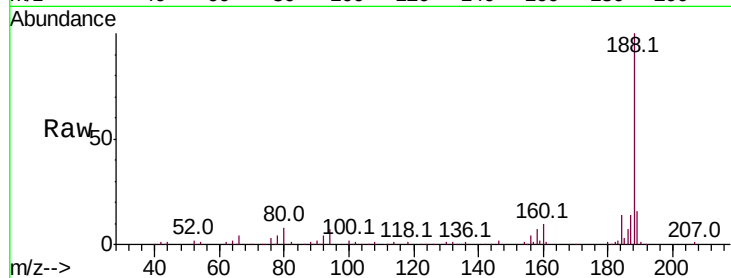




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.08 min Scan# 2396
Delta R.T. -0.01 min
Lab File: BM020534.D
Acq: 24 May 2019 02:11

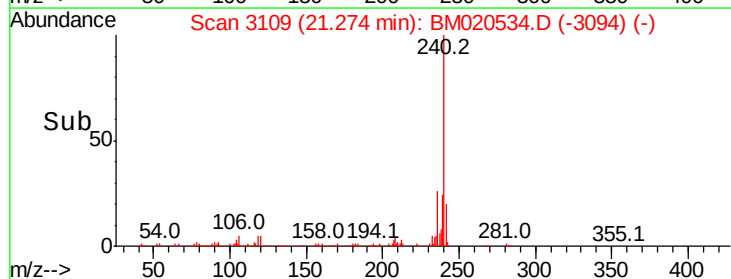
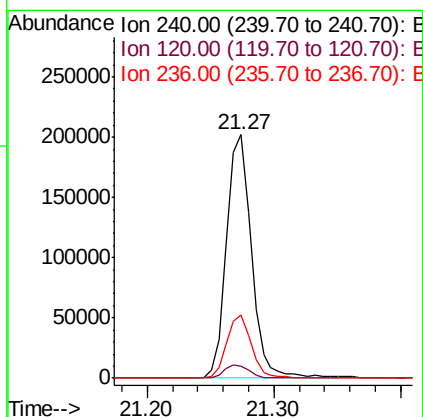
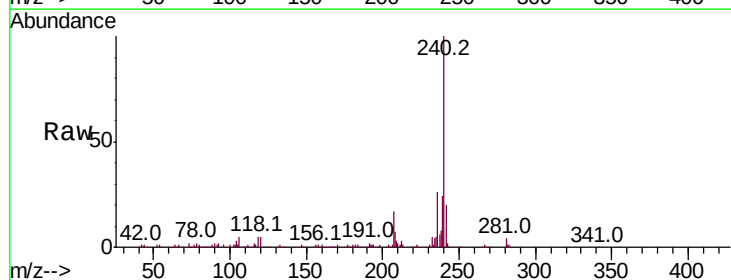
Instrument :
BNA_M
ClientSampleId :
RO-SOIL

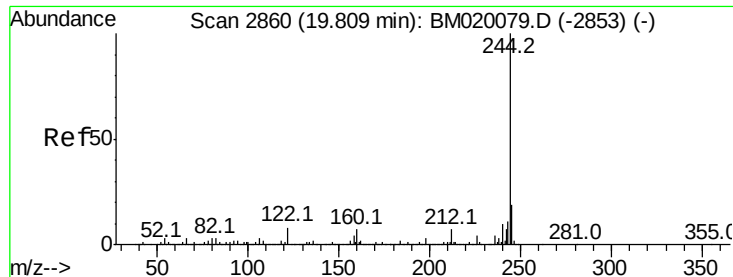
Tot Ion:188 Resp: 236673
Ion Ratio Lower Upper
188 100
94 6.7 5.8 8.6
80 8.1 7.4 11.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.27 min Scan# 3109
Delta R.T. -0.01 min
Lab File: BM020534.D
Acq: 24 May 2019 02:11

Tgt Ion:240 Resp: 275282
Ion Ratio Lower Upper
240 100
120 5.0 5.6 8.4#
236 26.0 20.9 31.3





#79

Terphenyl-d14

Concen: 95.892 ng

RT: 19.71 min Scan# 2843

Delta R.T. -0.01 min

Lab File: BM020534.D

Acq: 24 May 2019 02:11

Instrument :

BNA_M

ClientSampleId :

RO-SOIL

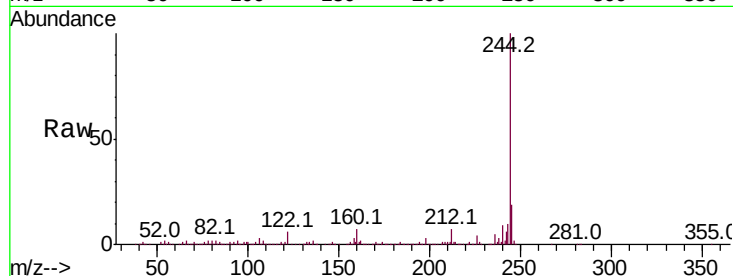
Tot Ion:244 Resp: 1513416

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.7	8.5
122	6.5	6.2	9.2

244 100

212 6.9 5.7 8.5

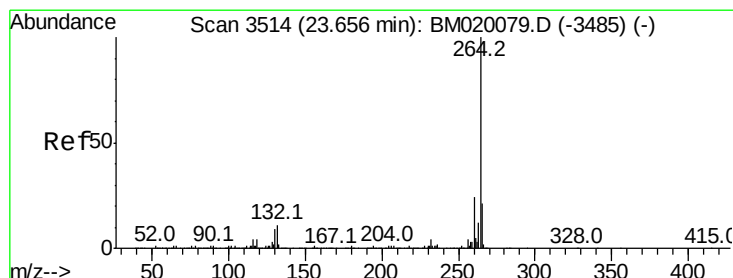
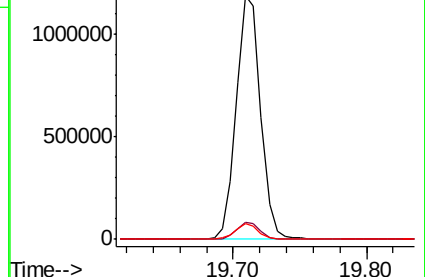
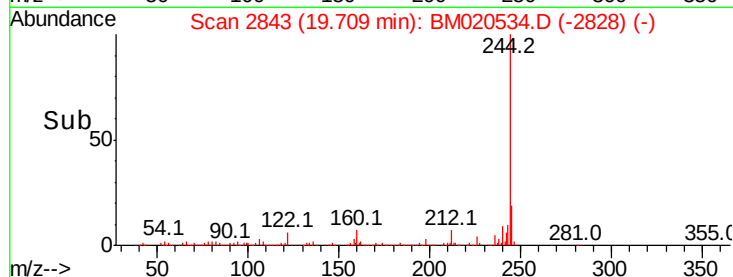
122 6.5 6.2 9.2



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: 23.52 min Scan# 3490

Delta R.T. -0.02 min

Lab File: BM020534.D

Acq: 24 May 2019 02:11

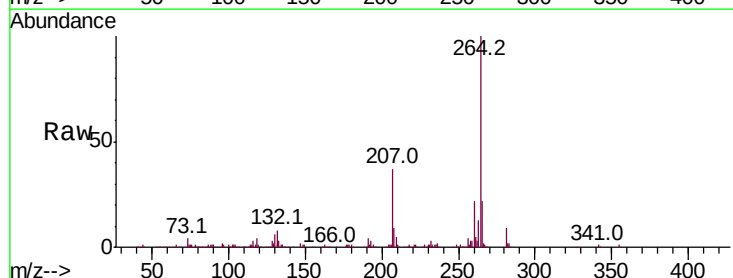
Tgt Ion:264 Resp: 340478

Ion	Ratio	Lower	Upper
264	100		
260	22.4	19.2	28.8
265	22.4	16.9	25.3

264 100

260 22.4 19.2 28.8

265 22.4 16.9 25.3



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

