

Data File : BM020565.D
Acq On : 25 May 2019 05:44
Operator : JU/SJ
Sample : K2643-09 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OR-03-052319-A

Quant Time: May 25 06:46:15 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM052419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 24 16:07:05 2019
Response via : Initial Calibration

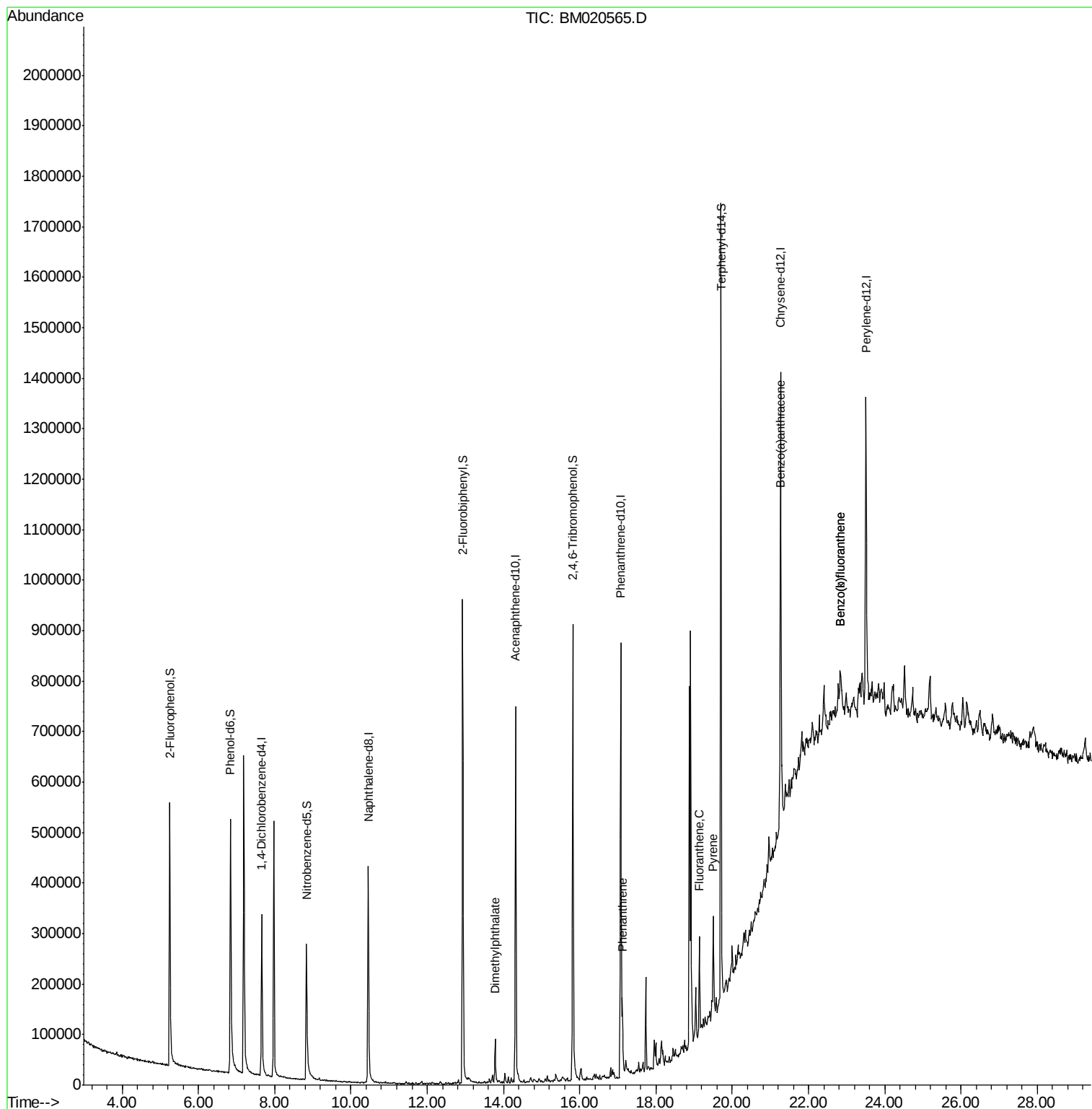
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	99774	20.00	ng	0.00
21) Naphthalene-d8	10.45	136	367557	20.00	ng	0.00
39) Acenaphthene-d10	14.32	164	255237	20.00	ng	0.00
64) Phenanthrene-d10	17.07	188	574913	20.00	ng	0.00
76) Chrysene-d12	21.26	240	453167	20.00	ng	-0.01
87) Perylene-d12	23.50	264	528513	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	248825	48.93	ng	0.00
7) Phenol-d6	6.84	99	351794	45.83	ng	0.00
23) Nitrobenzene-d5	8.83	82	234459	26.77	ng	0.00
42) 2,4,6-Tribromophenol	15.82	330	206658	40.41	ng	0.00
45) 2-Fluorobiphenyl	12.93	172	549001	26.99	ng	0.00
79) Terphenyl-d14	19.70	244	799216	31.88	ng	0.00
Target Compounds						
50) Dimethylphthalate	13.78	163	54871	2.427	ng	99
71) Phenanthrene	17.12	178	88260	2.826	ng	99
75) Fluoranthene	19.13	202	130556	3.006	ng	99
78) Pyrene	19.50	202	132093	4.643	ng	97
81) Benzo(a)anthracene	21.25	228	65319	2.083	ng	# 89
88) Benzo(b)fluoranthene	22.83	252	97897	2.830	ng	# 84
89) Benzo(k)fluoranthene	22.83	252	95746	2.852	ng	# 85

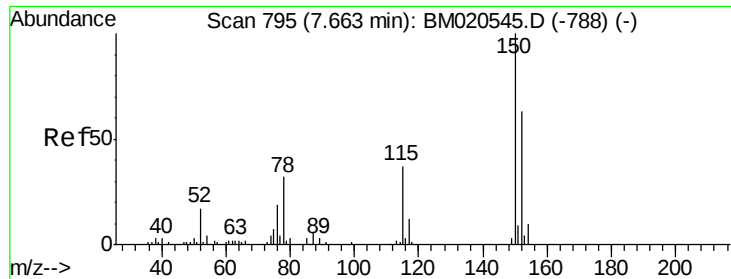
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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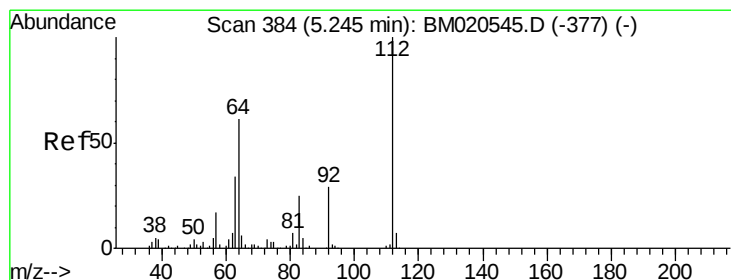
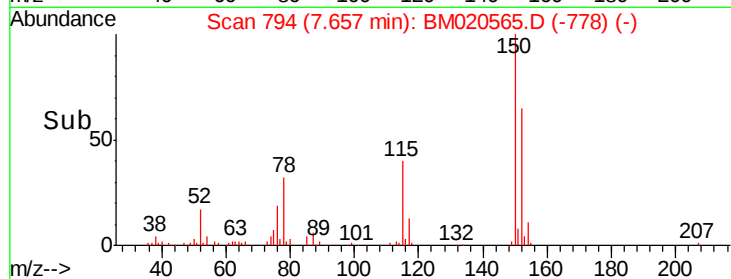
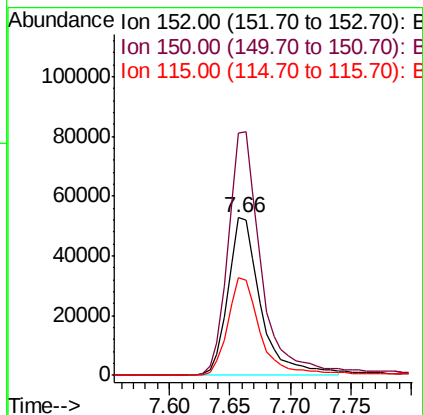
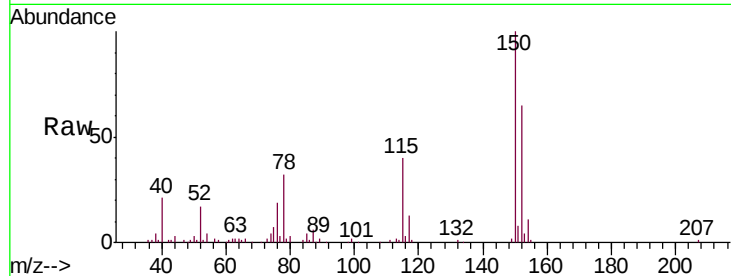


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.66 min Scan# 794
Delta R.T. -0.01 min
Lab File: BM020565.D
Acq: 25 May 2019 05:44

Instrument :
BNA_M
ClientSampleId :
OR-03-052319-A

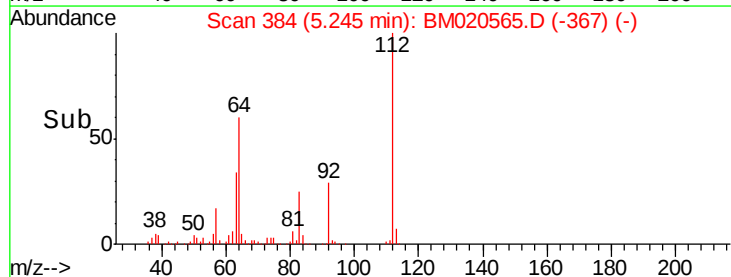
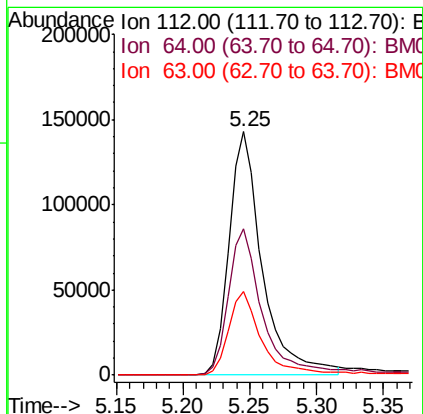
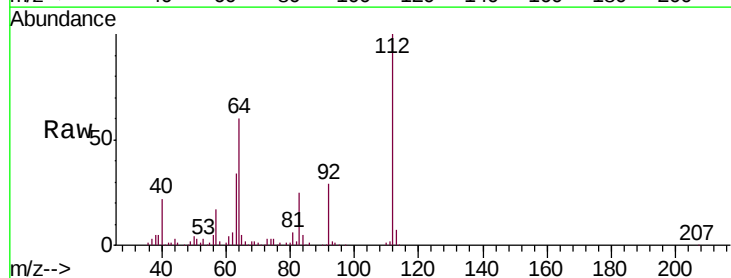
Tgt Ion:152 Resp: 99774
Ion Ratio Lower Upper
152 100
150 153.9 126.6 190.0
115 61.8 46.6 70.0

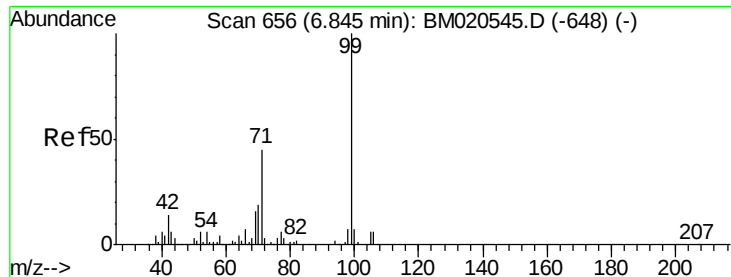


#5

2-Fluorophenol
Concen: 48.925 ng
RT: 5.25 min Scan# 384
Delta R.T. -0.00 min
Lab File: BM020565.D
Acq: 25 May 2019 05:44

Tgt Ion:112 Resp: 248825
Ion Ratio Lower Upper
112 100
64 60.0 48.6 73.0
63 34.2 27.4 41.0





#7

Phenol-d6

Concen: 45.829 ng

RT: 6.84 min Scan# 655

Delta R.T. -0.01 min

Lab File: BM020565.D

Acq: 25 May 2019 05:44

Instrument :

BNA_M

ClientSampleId :

OR-03-052319-A

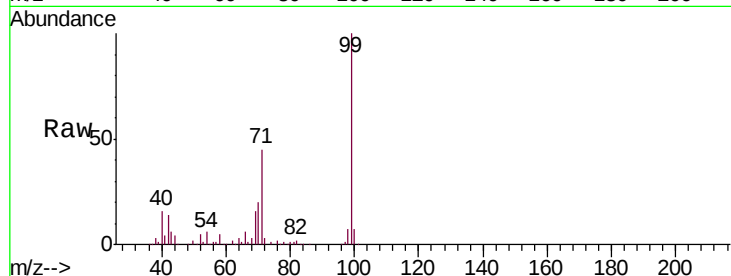
Tgt Ion: 99 Resp: 351794

Ion Ratio Lower Upper

99 100

42 13.6 10.8 16.2

71 45.5 36.3 54.5

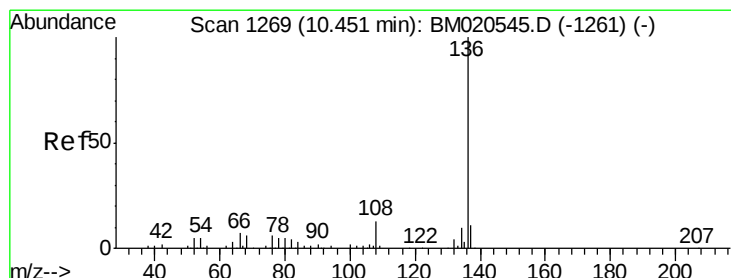
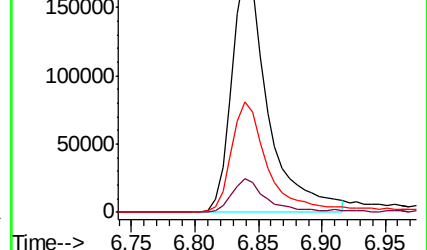
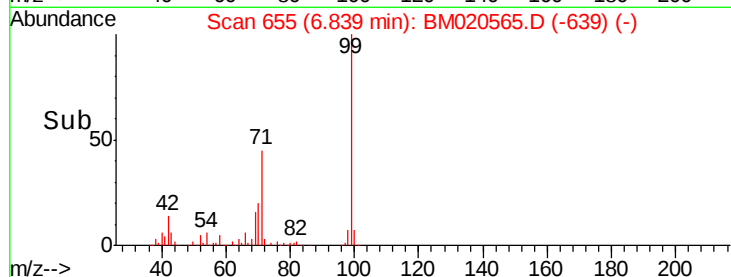


Abundance Ion 99.00 (98.70 to 99.70): BM020545.D (-648) (-)

Ion 42.00 (41.70 to 42.70): BM020545.D (-648) (-)

Ion 71.00 (70.70 to 71.70): BM020545.D (-648) (-)

Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.45 min Scan# 1269

Delta R.T. -0.00 min

Lab File: BM020565.D

Acq: 25 May 2019 05:44

Tgt Ion: 136 Resp: 367557

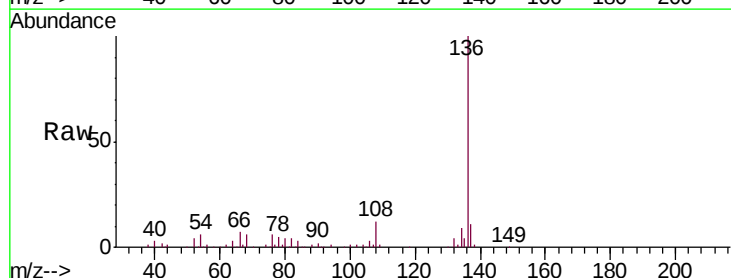
Ion Ratio Lower Upper

136 100

137 10.9 8.4 12.6

54 5.5 4.2 6.4

68 5.8 4.6 7.0



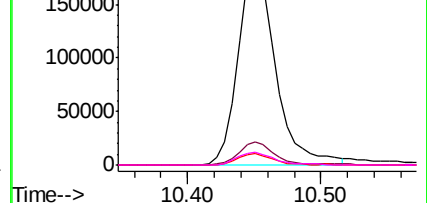
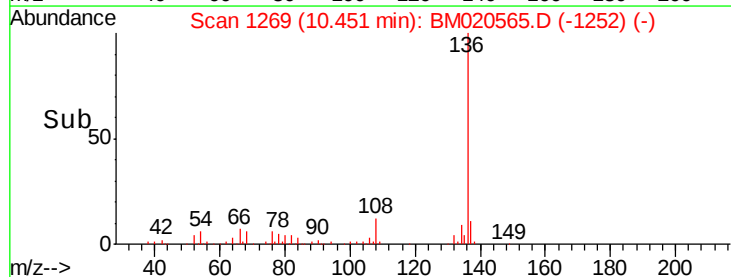
Abundance Ion 136.00 (135.70 to 136.70): BM020545.D (-1261) (-)

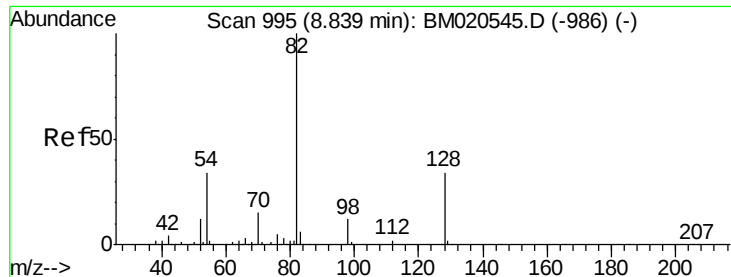
Ion 137.00 (136.70 to 137.70): BM020545.D (-1261) (-)

Ion 54.00 (53.70 to 54.70): BM020545.D (-1261) (-)

Ion 68.00 (67.70 to 68.70): BM020545.D (-1261) (-)

Time-->

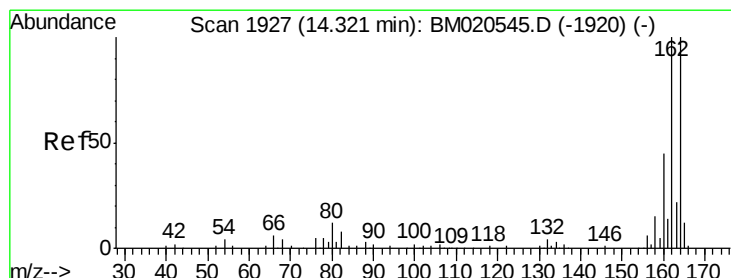
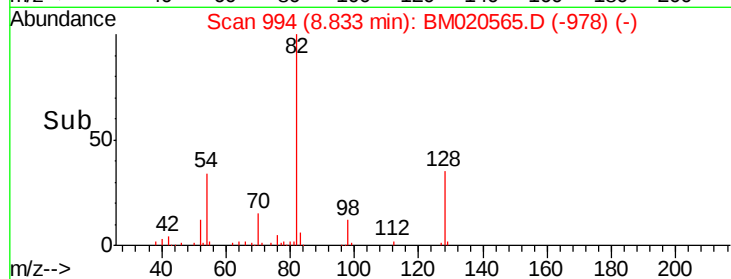
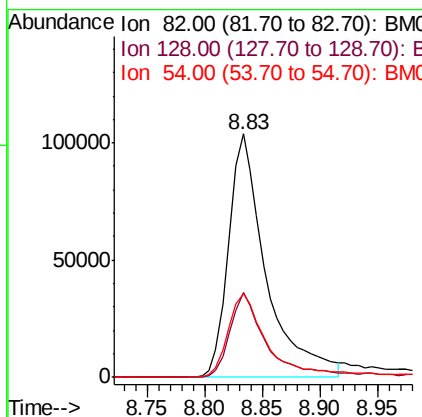
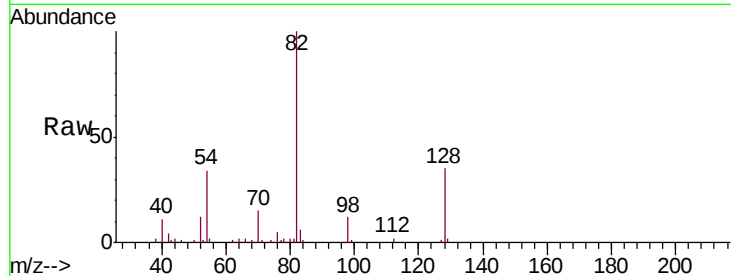




#23
 Nitrobenzene-d5
 Concen: 26.774 ng
 RT: 8.83 min Scan# 994
 Delta R.T. -0.01 min
 Lab File: BM020565.D
 Acq: 25 May 2019 05:44

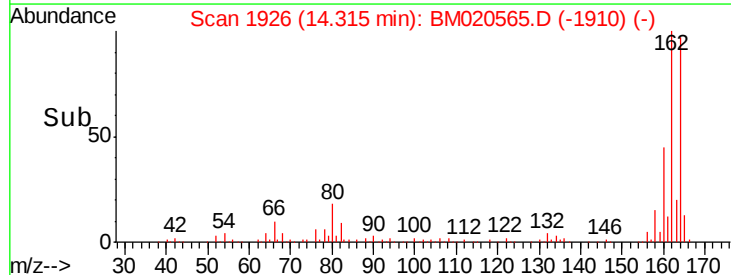
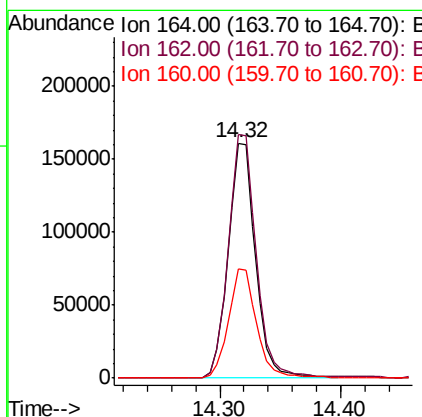
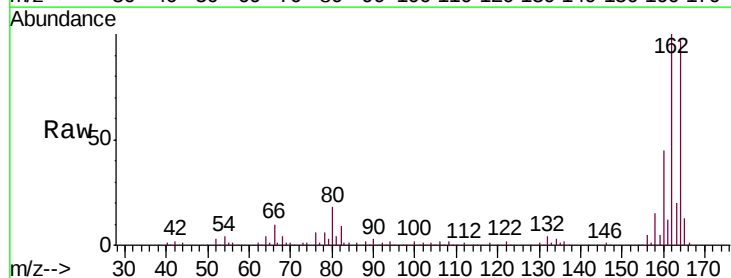
Instrument :
 BNA_M
 ClientSampleID :
 OR-03-052319-A

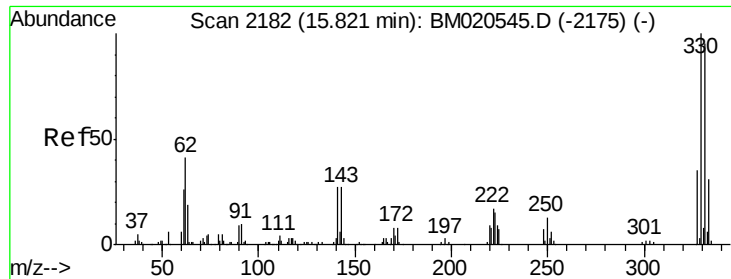
Tgt Ion	Ratio	Lower	Upper
82	100		
128	34.7	27.0	40.4
54	34.5	27.4	41.2



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.32 min Scan# 1926
 Delta R.T. -0.01 min
 Lab File: BM020565.D
 Acq: 25 May 2019 05:44

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.6	79.8	119.8
160	46.5	35.9	53.9





#42

2,4,6-Tribromophenol

Concen: 40.414 ng

RT: 15.82 min Scan# 2181

Delta R.T. -0.01 min

Lab File: BM020565.D

Acq: 25 May 2019 05:44

Instrument :

BNA_M

ClientSampleId :

OR-03-052319-A

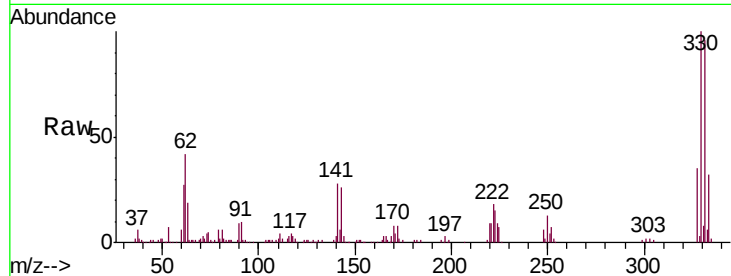
Tgt Ion:330 Resp: 206658

Ion Ratio Lower Upper

330 100

332 96.3 77.5 116.3

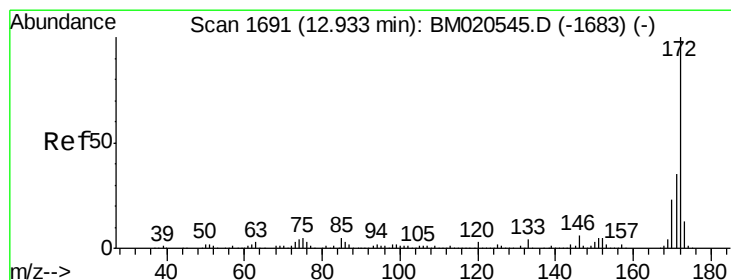
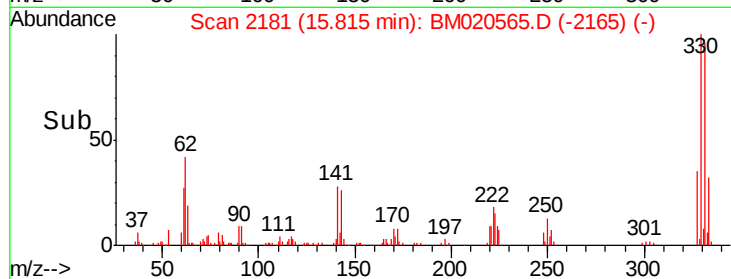
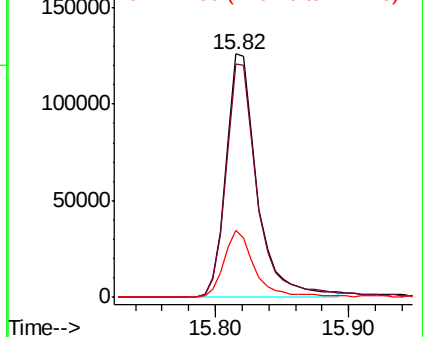
141 27.2 21.7 32.5



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: 26.990 ng

RT: 12.93 min Scan# 1690

Delta R.T. -0.01 min

Lab File: BM020565.D

Acq: 25 May 2019 05:44

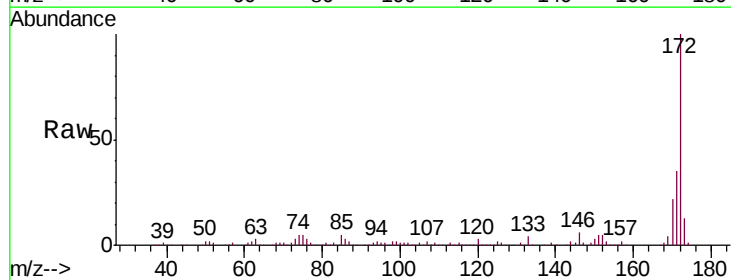
Tgt Ion:172 Resp: 549001

Ion Ratio Lower Upper

172 100

171 34.6 27.9 41.9

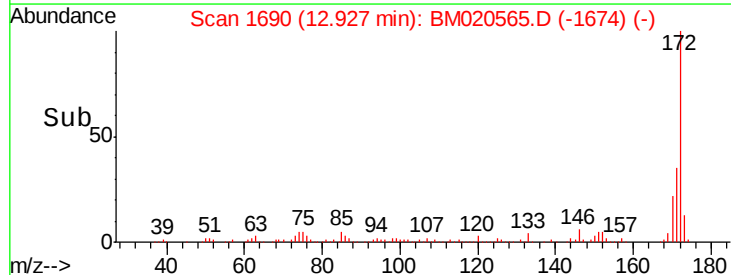
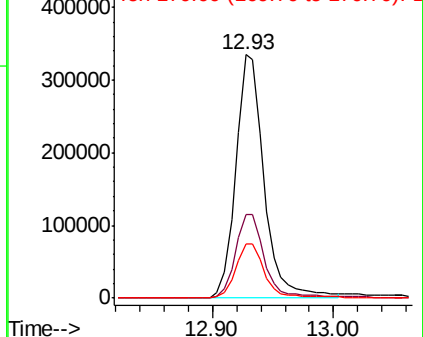
170 22.2 18.2 27.4

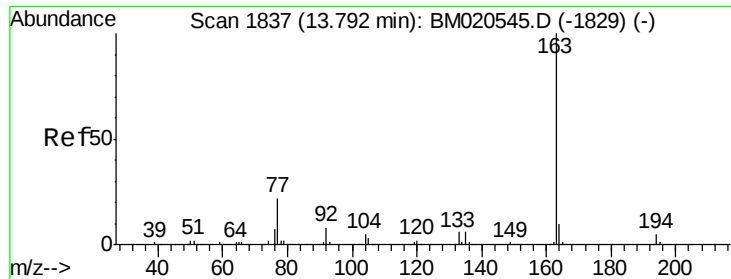


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 2.427 ng

RT: 13.78 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BM020565.D

Acq: 25 May 2019 05:44

Instrument :

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OR-03-052319-A

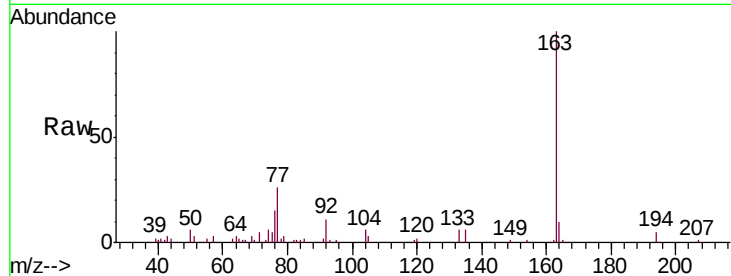
Tgt Ion:163 Resp: 54871

Ion Ratio Lower Upper

163 100

194 4.8 3.9 5.9

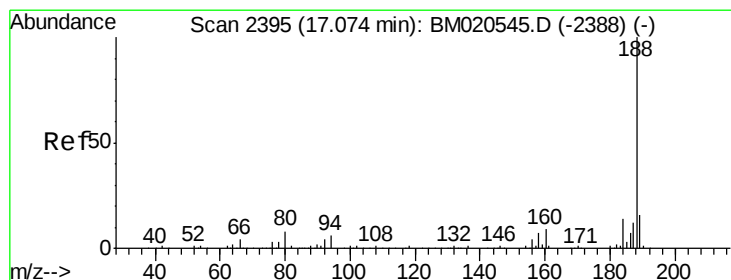
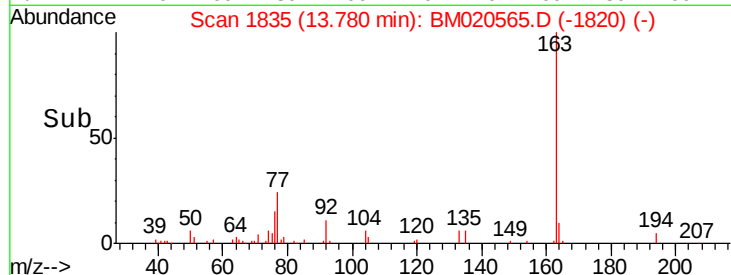
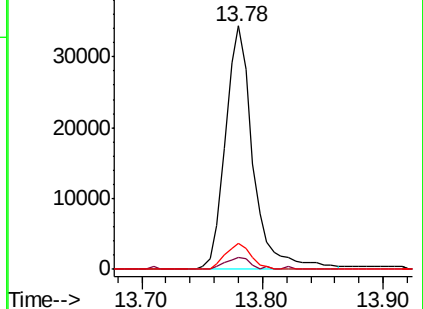
164 10.5 8.0 12.0



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.07 min Scan# 2395

Delta R.T. -0.00 min

Lab File: BM020565.D

Acq: 25 May 2019 05:44

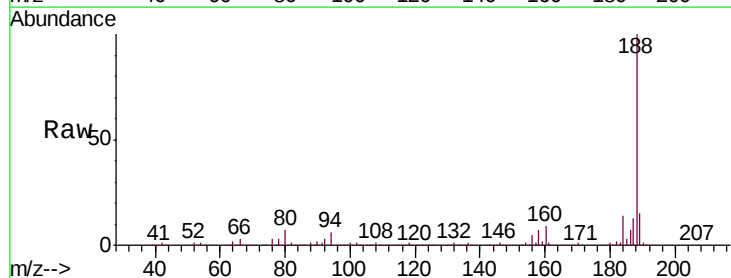
Tgt Ion:188 Resp: 574913

Ion Ratio Lower Upper

188 100

94 6.2 5.0 7.4

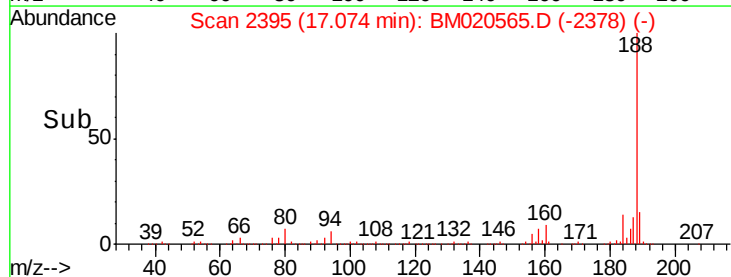
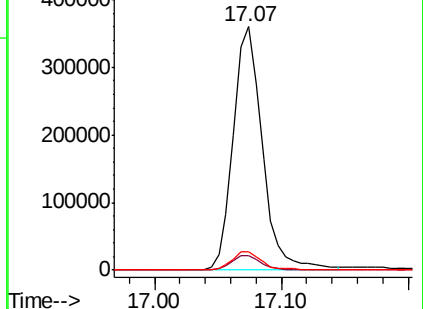
80 7.3 6.5 9.7

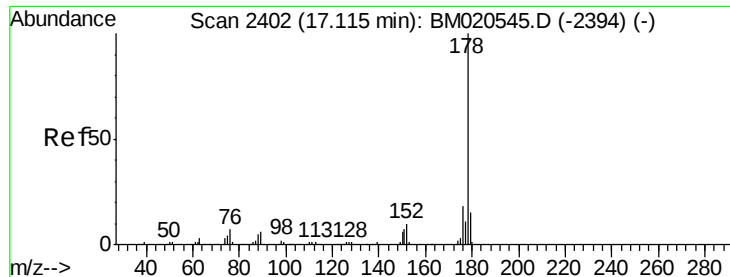


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0

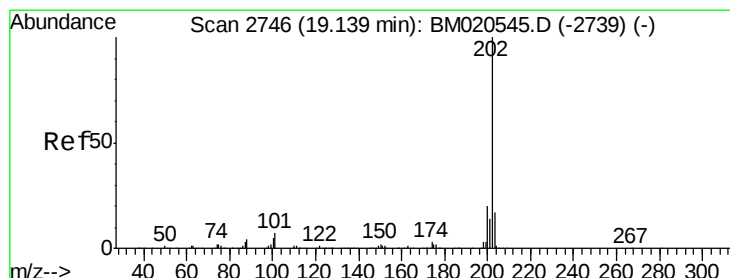
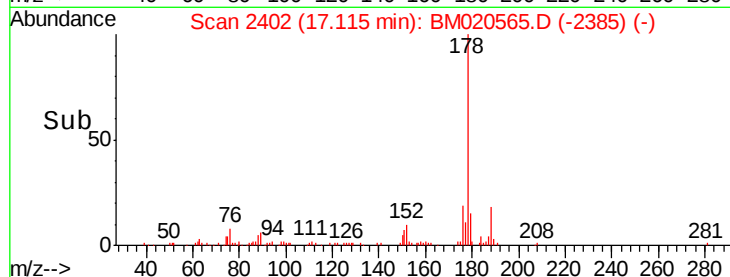
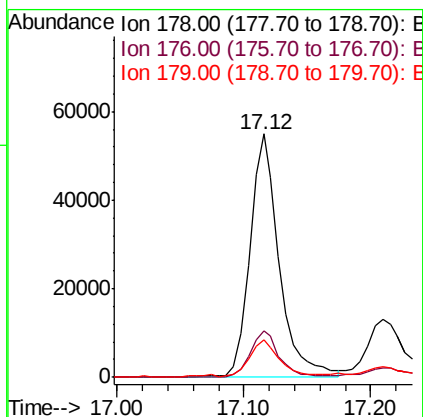
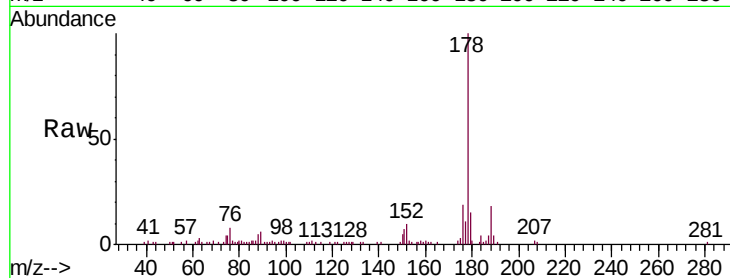




#71
Phenanthrene
Concen: 2.826 ng
RT: 17.12 min Scan# 2402
Delta R.T. -0.00 min
Lab File: BM020565.D
Acq: 25 May 2019 05:44

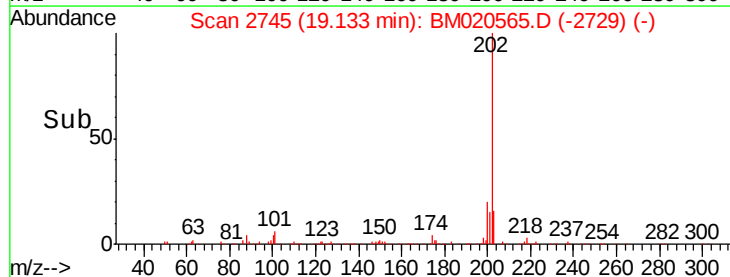
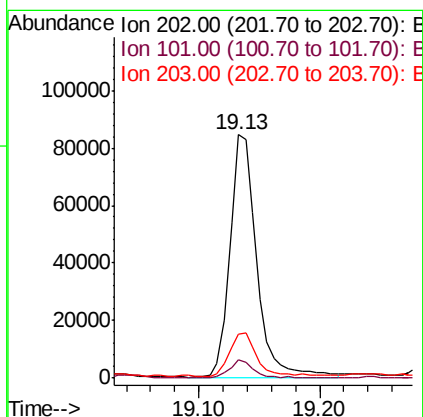
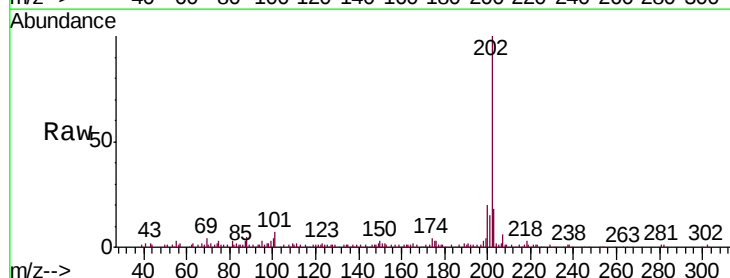
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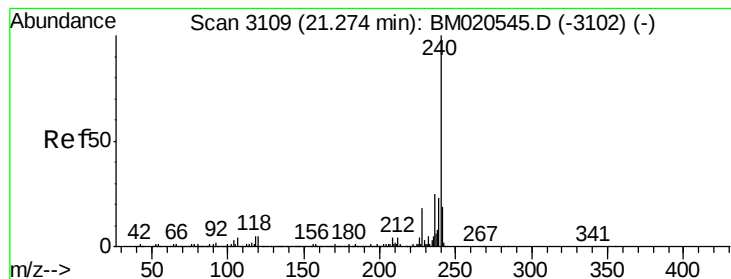
Tgt Ion:178 Resp: 88260
Ion Ratio Lower Upper
178 100
176 18.9 14.7 22.1
179 15.2 12.2 18.2



#75
Fluoranthene
Concen: 3.006 ng
RT: 19.13 min Scan# 2745
Delta R.T. -0.01 min
Lab File: BM020565.D
Acq: 25 May 2019 05:44

Tgt Ion:202 Resp: 130556
Ion Ratio Lower Upper
202 100
101 7.5 0.0 26.7
203 17.8 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.26 min Scan# 3107

Delta R.T. -0.01 min

Lab File: BM020565.D

Acq: 25 May 2019 05:44

Instrument :

BNA_M

ClientSampleId :

OR-03-052319-A

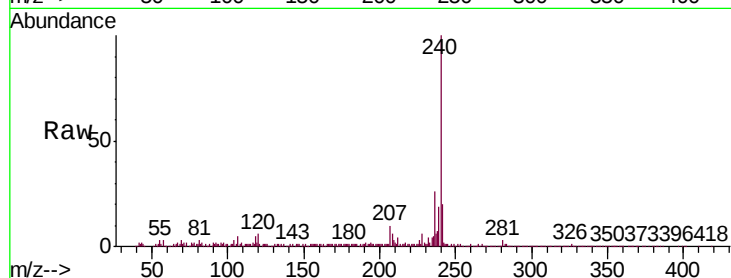
Tgt Ion:240 Resp: 453167

Ion Ratio Lower Upper

240 100

120 5.6 4.1 6.1

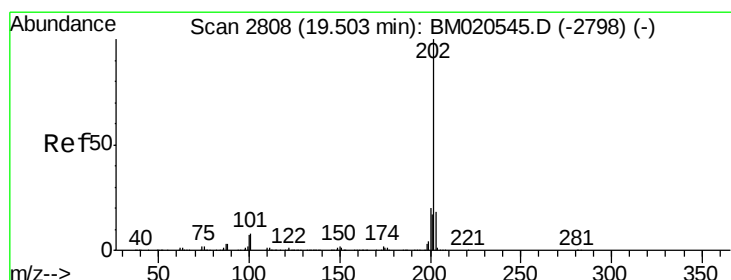
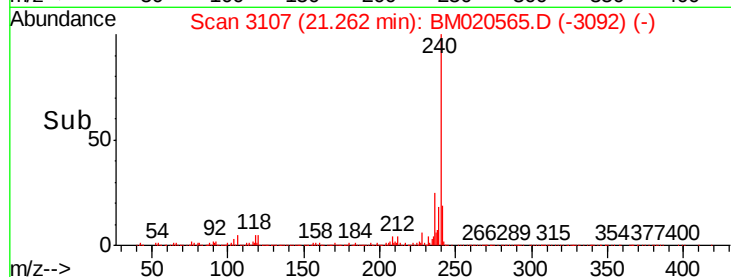
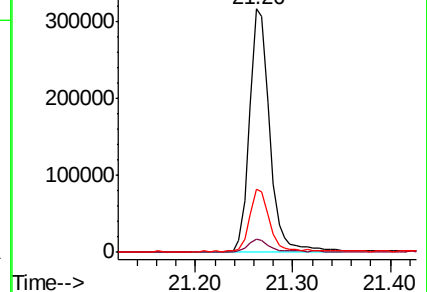
236 25.8 20.2 30.4



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: 4.643 ng

RT: 19.50 min Scan# 2808

Delta R.T. -0.00 min

Lab File: BM020565.D

Acq: 25 May 2019 05:44

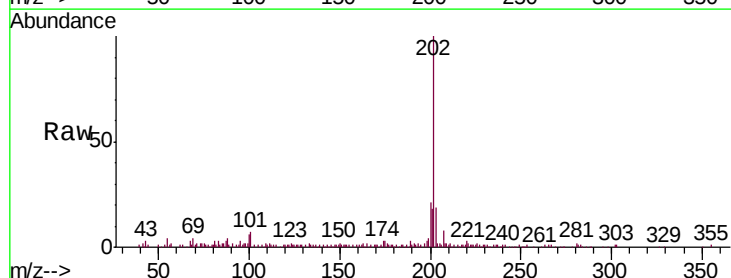
Tgt Ion:202 Resp: 132093

Ion Ratio Lower Upper

202 100

200 20.8 16.0 24.0

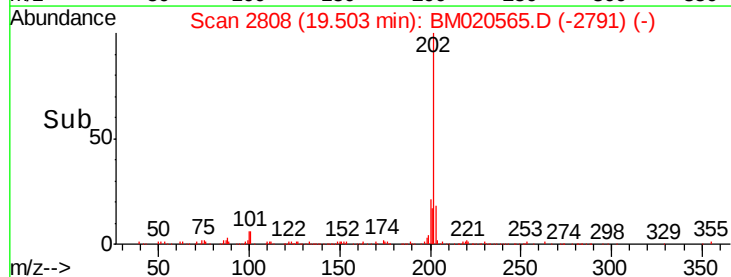
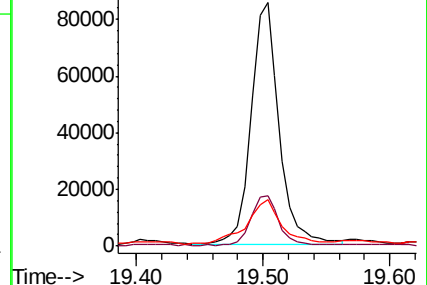
203 19.2 14.1 21.1

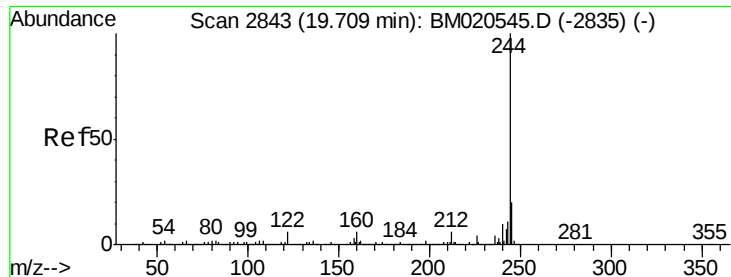


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 31.882 ng

RT: 19.70 min Scan# 2842

Delta R.T. -0.01 min

Lab File: BM020565.D

Acq: 25 May 2019 05:44

Instrument :

BNA_M

ClientSampleId :

OR-03-052319-A

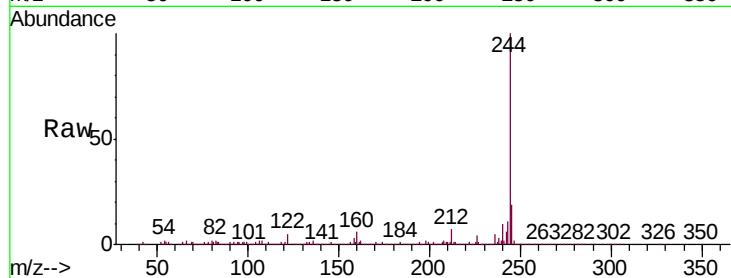
Tgt Ion:244 Resp: 799216

Ion Ratio Lower Upper

244 100

212 6.5 5.0 7.6

122 5.3 4.6 7.0



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

800000

600000

400000

200000

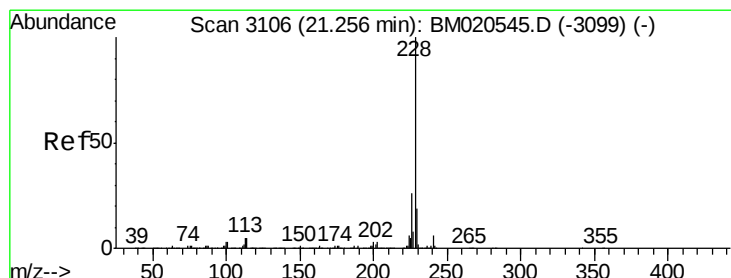
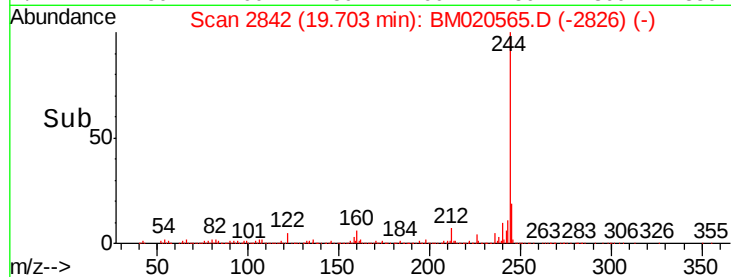
0

19.60

19.70

19.80

Time-->



#81

Benzo(a)anthracene

Concen: 2.083 ng

RT: 21.25 min Scan# 3105

Delta R.T. -0.01 min

Lab File: BM020565.D

Acq: 25 May 2019 05:44

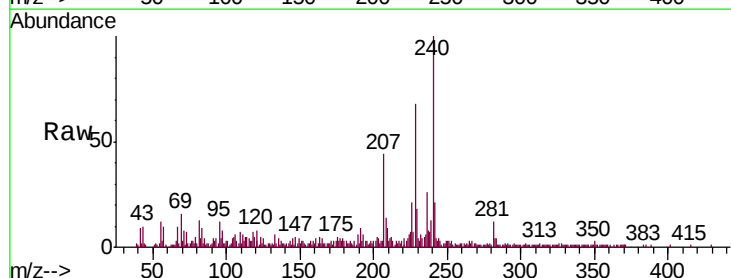
Tgt Ion:228 Resp: 65319

Ion Ratio Lower Upper

228 100

226 30.1 20.7 31.1

229 26.2 15.5 23.3#



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

60000

50000

40000

30000

20000

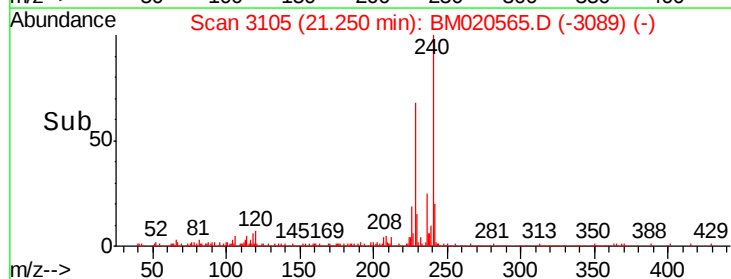
10000

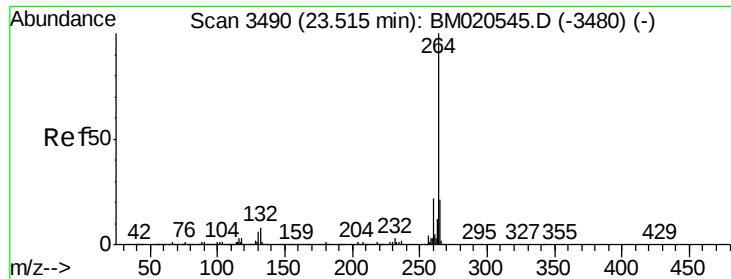
0

21.20

21.25

Time-->



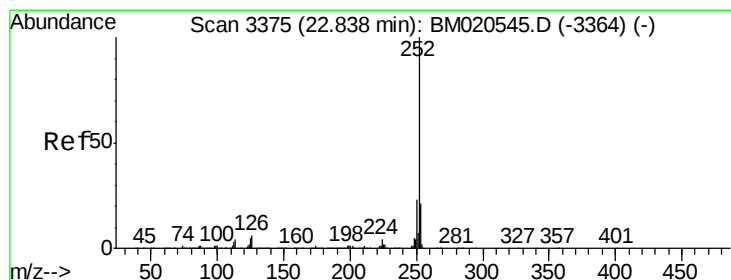
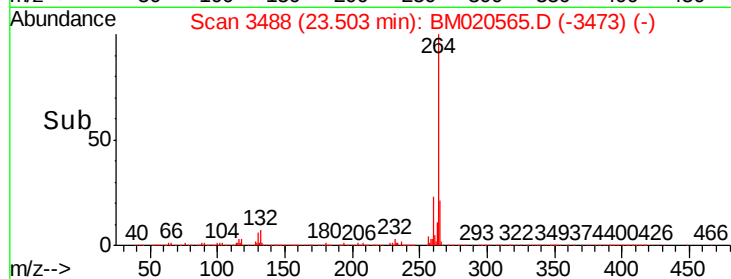
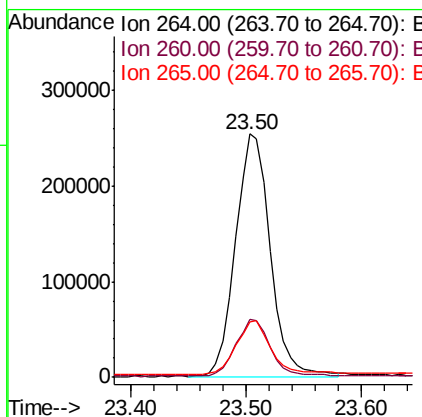
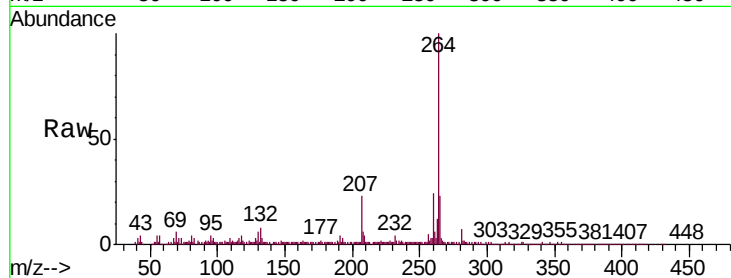


#87
Perylene-d12
Concen: 20.000 ng
RT: 23.50 min Scan# 3488
Delta R.T. -0.01 min
Lab File: BM020565.D
Acq: 25 May 2019 05:44

Instrument :
BNA_M
ClientSampleId :
OR-03-052319-A

Tgt Ion: 264 Resp: 528513

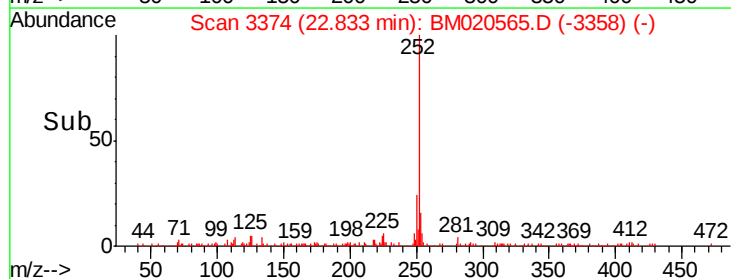
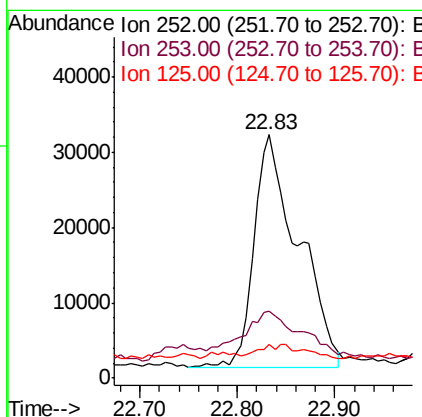
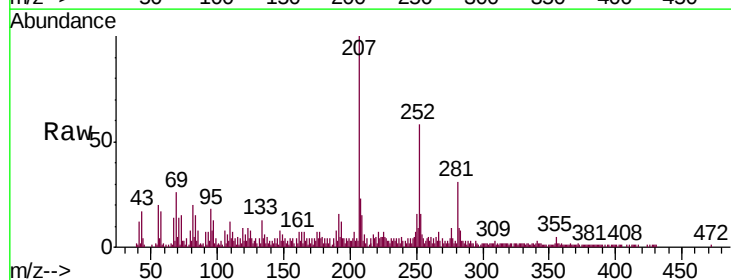
Ion	Ratio	Lower	Upper
264	100		
260	23.7	17.7	26.5
265	22.7	17.4	26.2

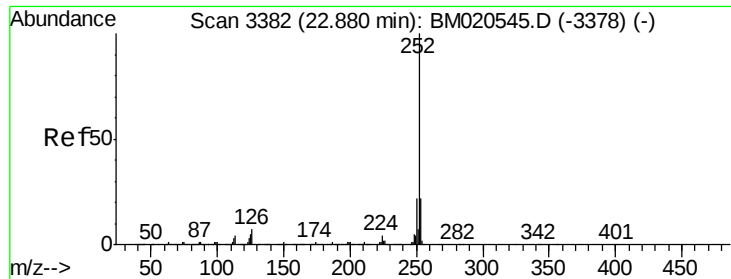


#88
Benzo(b)fluoranthene
Concen: 2.830 ng
RT: 22.83 min Scan# 3374
Delta R.T. -0.01 min
Lab File: BM020565.D
Acq: 25 May 2019 05:44

Tgt Ion: 252 Resp: 97897

Ion	Ratio	Lower	Upper
252	100		
253	27.7	17.1	25.7#
125	14.0	3.8	5.8#





#89

Benzo(k)fluoranthene

Concen: 2.852 ng

RT: 22.83 min Scan# 3374

Delta R.T. -0.05 min

Lab File: BM020565.D

Acq: 25 May 2019 05:44

Instrument :

BNA_M

ClientSampleId :

OR-03-052319-A

Tgt Ion: 252 Resp: 95746

Ion Ratio Lower Upper

252 100

253 27.7 17.6 26.4#

125 14.0 4.2 6.4#

