

Data File : BM020564.D
Acq On : 25 May 2019 05:08
Operator : JU/SJ
Sample : K2643-11 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: May 25 06:45:55 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	96900	20.00	ng	0.00
21) Naphthalene-d8	10.45	136	359109	20.00	ng	0.00
39) Acenaphthene-d10	14.32	164	252978	20.00	ng	0.00
64) Phenanthrene-d10	17.07	188	640407	20.00	ng	0.00
76) Chrysene-d12	21.26	240	509500	20.00	ng	-0.01
87) Perylene-d12	23.50	264	550504	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.25	112	240927	48.78	ng	0.00
7) Phenol-d6	6.84	99	340356	45.65	ng	0.00
23) Nitrobenzene-d5	8.83	82	225854	26.40	ng	0.00
42) 2,4,6-Tribromophenol	15.82	330	217910	42.99	ng	0.00
45) 2-Fluorobiphenyl	12.93	172	520152	25.80	ng	0.00
79) Terphenyl-d14	19.70	244	922736	32.74	ng	0.00

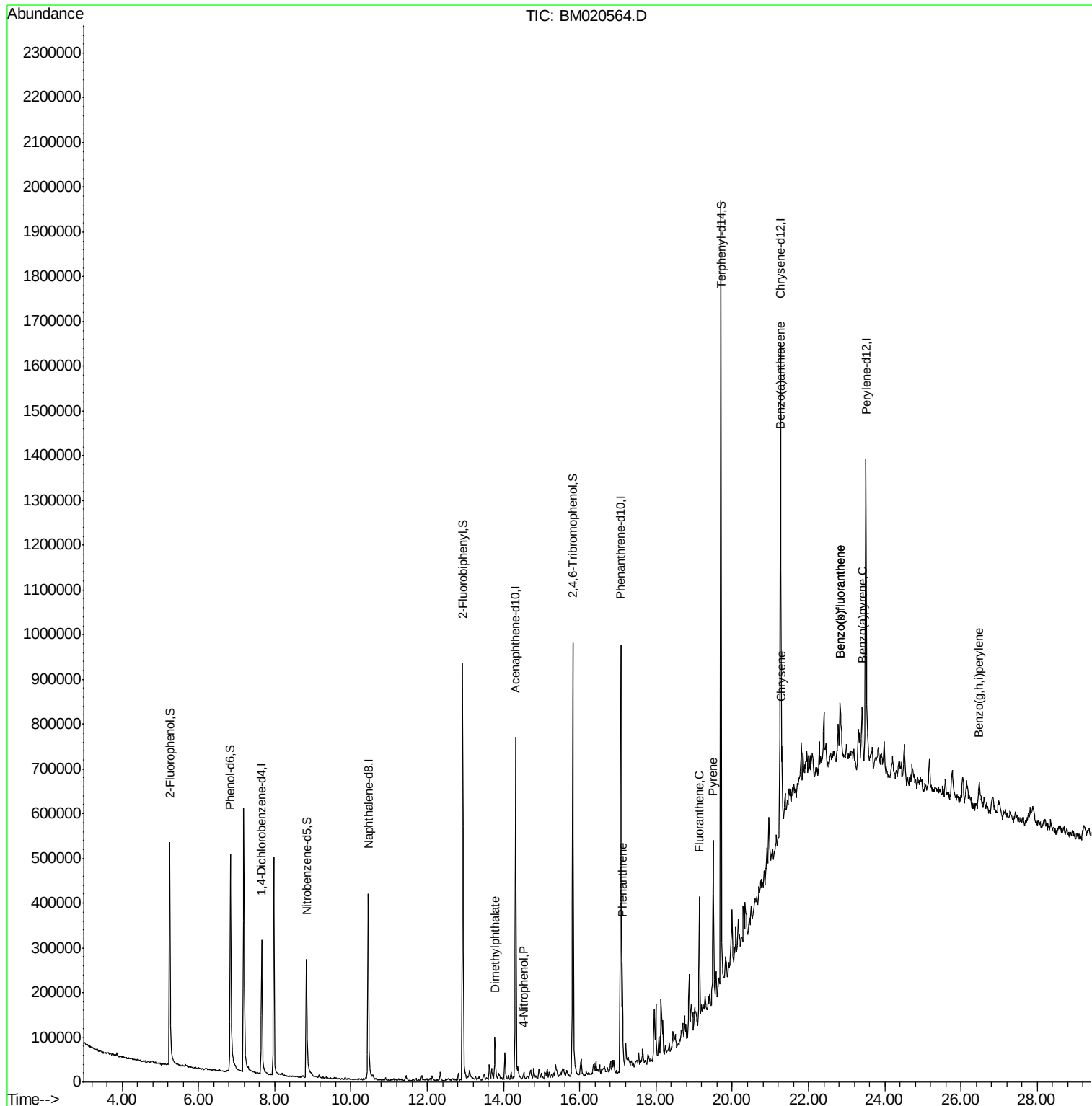
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	13.78	163	50462	2.252	ng	100
56) 4-Nitrophenol	14.54	139	118	9.090	ng	# 1
71) Phenanthrene	17.12	178	146167	4.201	ng	99
75) Fluoranthene	19.13	202	179402	3.708	ng	98
78) Pyrene	19.50	202	236454	7.392	ng	99
81) Benzo(a)anthracene	21.25	228	106428	3.018	ng	# 86
83) Chrysene	21.30	228	107768	3.163	ng	# 93
88) Benzo(b)fluoranthene	22.83	252	156630	4.347	ng	# 90
89) Benzo(k)fluoranthene	22.83	252	157322	4.499	ng	# 92
90) Benzo(a)pyrene	23.40	252	93769	2.828	ng	# 86
92) Benzo(g,h,i)perylene	26.47	276	70190	2.231	ng	# 91

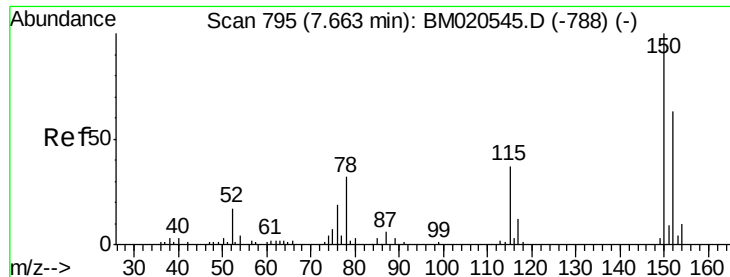
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : BM020564.D
Acq On : 25 May 2019 05:08
Operator : JU/SJ
Sample : K2643-11 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: May 25 06:45:55 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



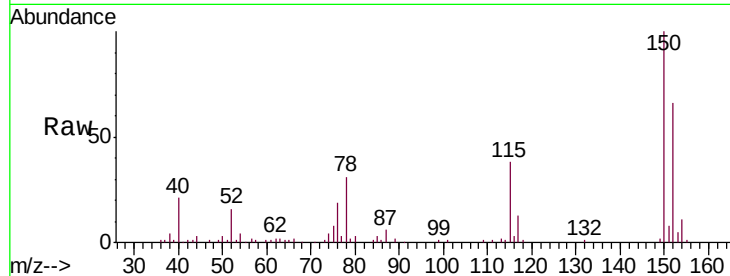


#1

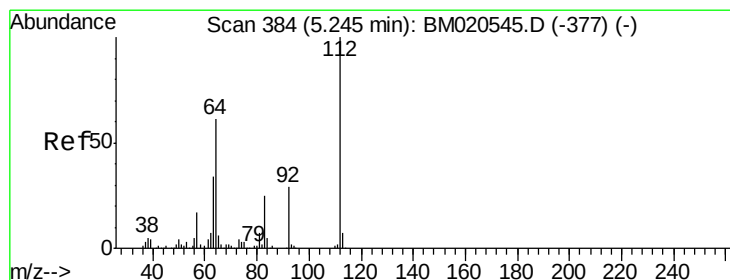
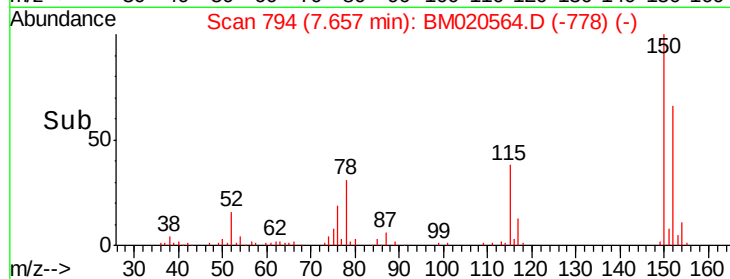
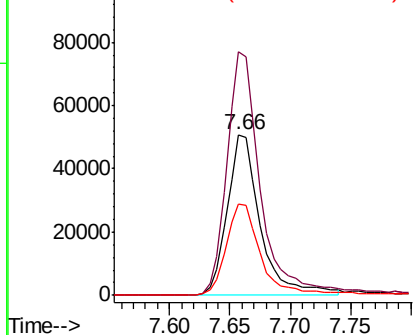
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.66 min Scan# 794
Delta R.T. -0.01 min
Lab File: BM020564.D
Acq: 25 May 2019 05:08

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

Tgt Ion:152 Resp: 96900
Ion Ratio Lower Upper
152 100
150 151.7 126.6 190.0
115 57.3 46.6 70.0



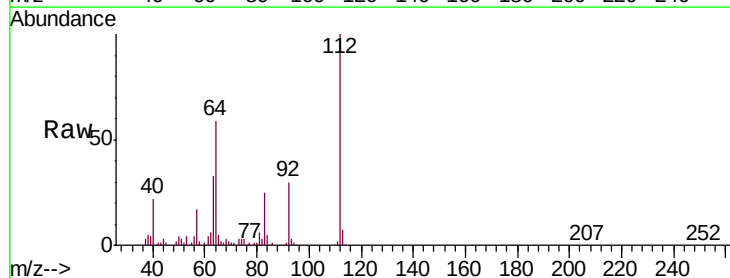
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



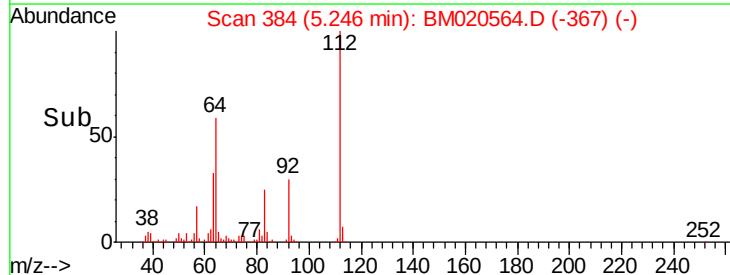
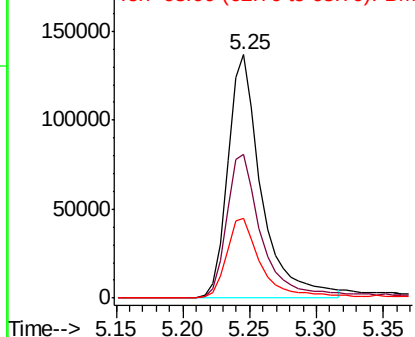
#5

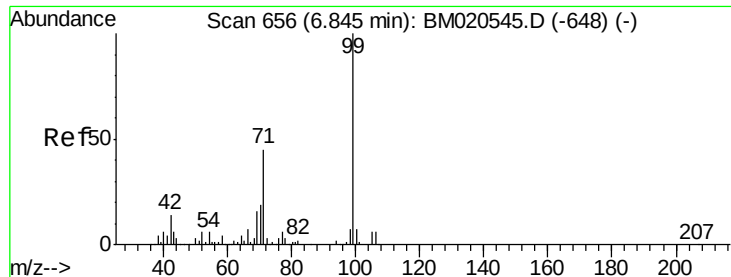
2-Fluorophenol
Concen: 48.778 ng
RT: 5.25 min Scan# 384
Delta R.T. 0.00 min
Lab File: BM020564.D
Acq: 25 May 2019 05:08

Tgt Ion:112 Resp: 240927
Ion Ratio Lower Upper
112 100
64 59.1 48.6 73.0
63 33.0 27.4 41.0



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: 45.654 ng

RT: 6.84 min Scan# 655

Delta R.T. -0.01 min

Lab File: BM020564.D

Acq: 25 May 2019 05:08

Instrument :

BNA_M

ClientSampleId :

OR-03-052319-B

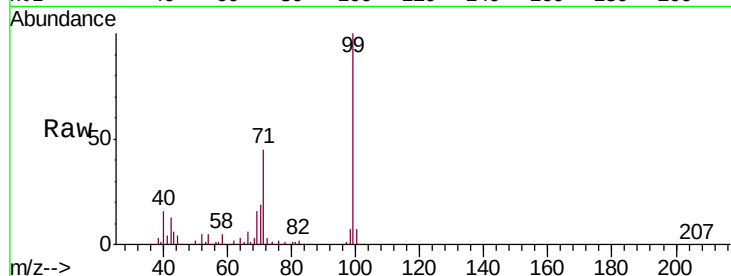
Tgt Ion: 99 Resp: 340356

Ion Ratio Lower Upper

99 100

42 13.0 10.8 16.2

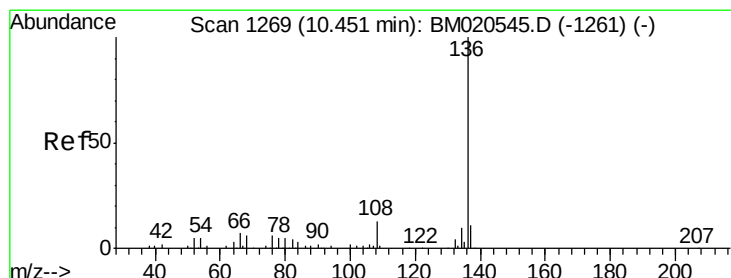
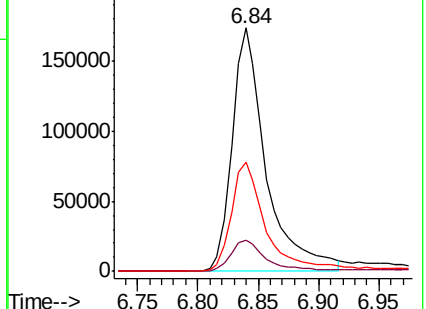
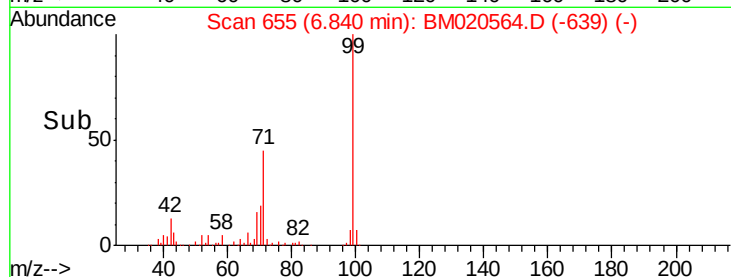
71 44.7 36.3 54.5



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) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.45 min Scan# 1269

Delta R.T. 0.00 min

Lab File: BM020564.D

Acq: 25 May 2019 05:08

Tgt Ion: 136 Resp: 359109

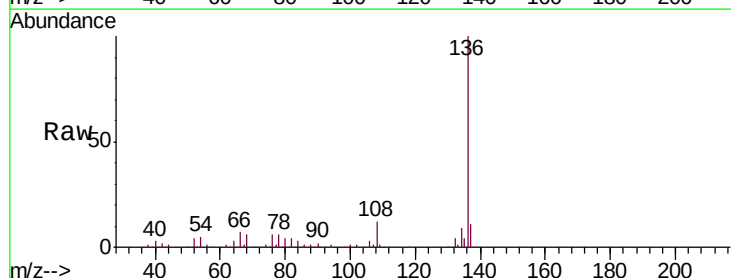
Ion Ratio Lower Upper

136 100

137 10.8 8.4 12.6

54 5.2 4.2 6.4

68 5.9 4.6 7.0

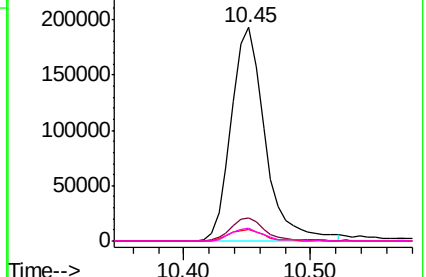
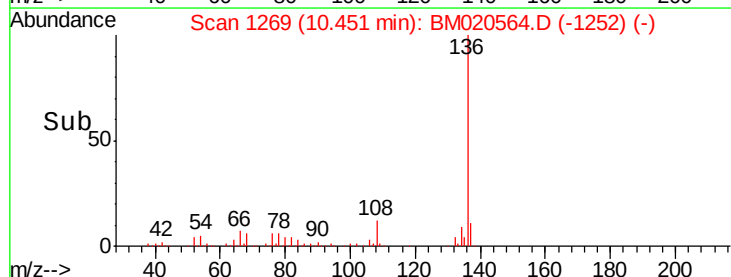


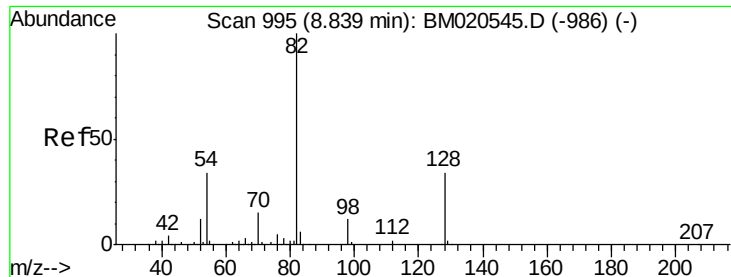
Abundance Ion 136.00 (135.70 to 136.70): BM020545.D (-1261) (-)

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) (-)





#23

Nitrobenzene-d5

Concen: 26.398 ng

RT: 8.83 min Scan# 994

Delta R.T. -0.01 min

Lab File: BM020564.D

Acq: 25 May 2019 05:08

Instrument :

BNA_M

ClientSampleId :

OR-03-052319-B

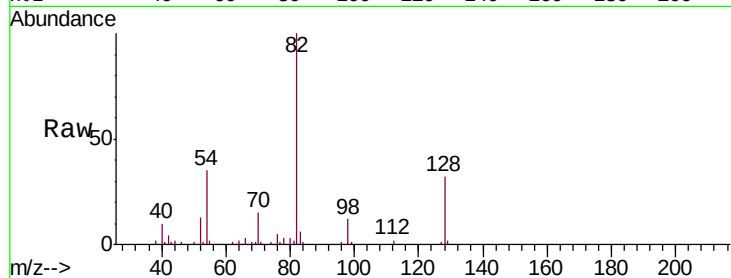
Tgt Ion: 82 Resp: 225854

Ion Ratio Lower Upper

82 100

128 32.1 27.0 40.4

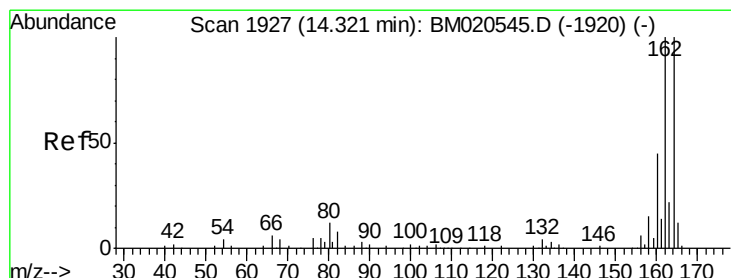
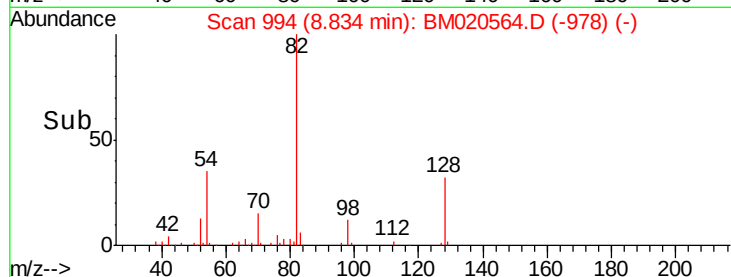
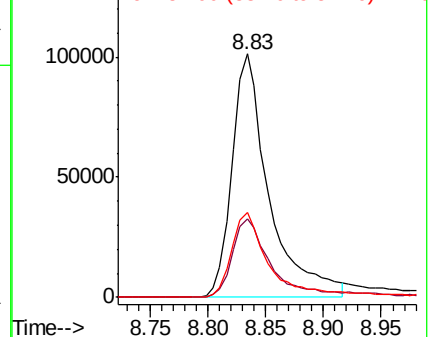
54 35.1 27.4 41.2



Abundance Ion 82.00 (81.70 to 82.70): BM020545.D (-986) (-)

Ion 128.00 (127.70 to 128.70): BM020545.D (-986) (-)

Ion 54.00 (53.70 to 54.70): BM020545.D (-986) (-)



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.32 min Scan# 1926

Delta R.T. -0.01 min

Lab File: BM020564.D

Acq: 25 May 2019 05:08

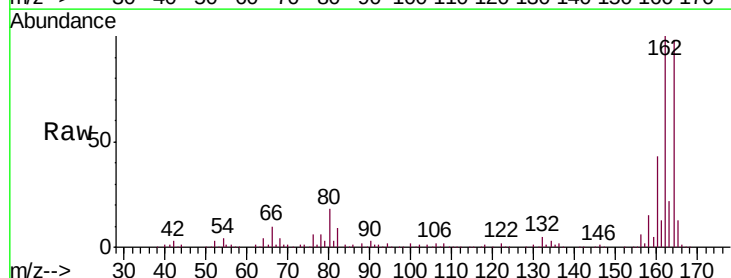
Tgt Ion: 164 Resp: 252978

Ion Ratio Lower Upper

164 100

162 102.6 79.8 119.8

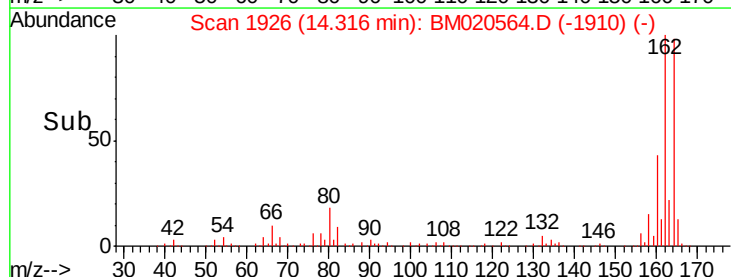
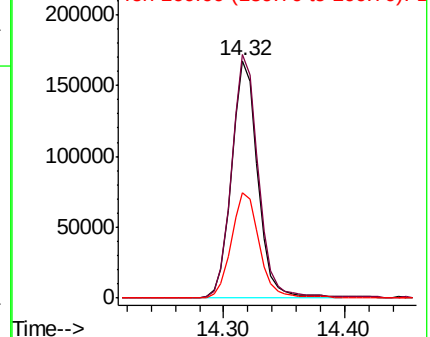
160 44.4 35.9 53.9

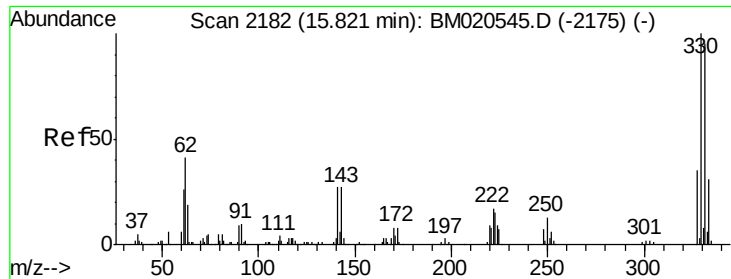


Abundance Ion 164.00 (163.70 to 164.70): BM020545.D (-1920) (-)

Ion 162.00 (161.70 to 162.70): BM020545.D (-1920) (-)

Ion 160.00 (159.70 to 160.70): BM020545.D (-1920) (-)

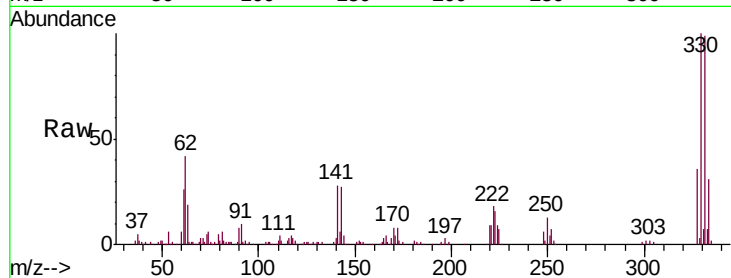




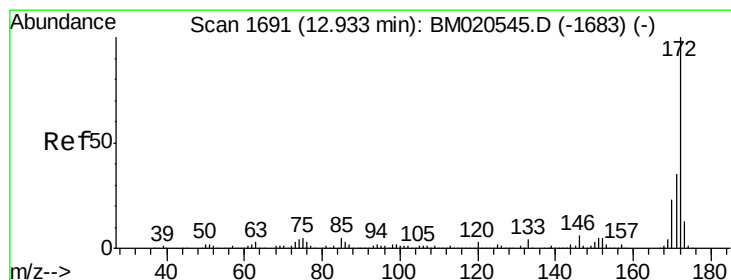
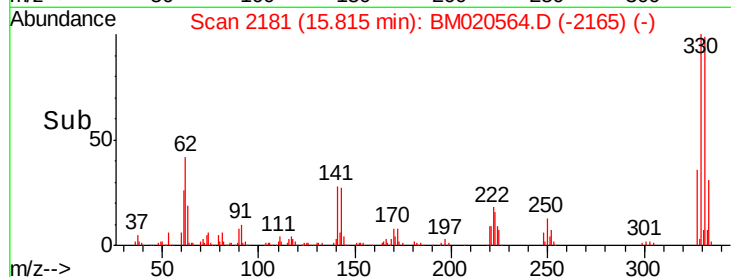
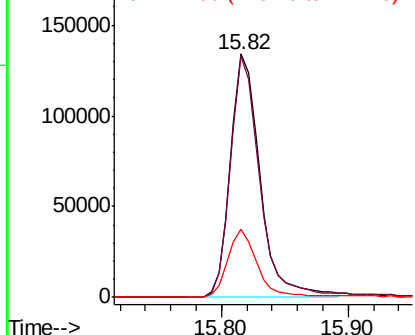
#42
 2,4,6-Tribromophenol
 Concen: 42.994 ng
 RT: 15.82 min Scan# 2181
 Delta R.T. -0.01 min
 Lab File: BM020564.D
 Acq: 25 May 2019 05:08

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

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.5	116.3
141	28.3	21.7	32.5

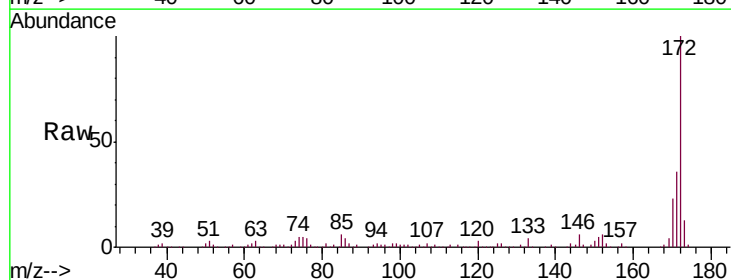


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

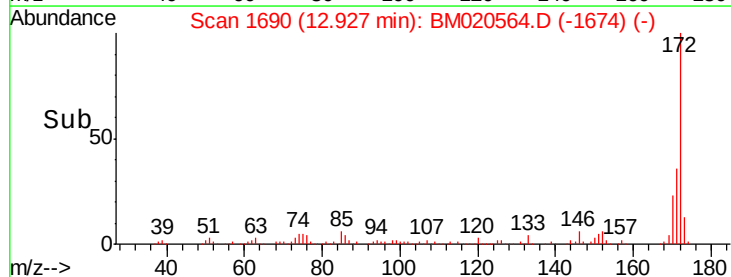
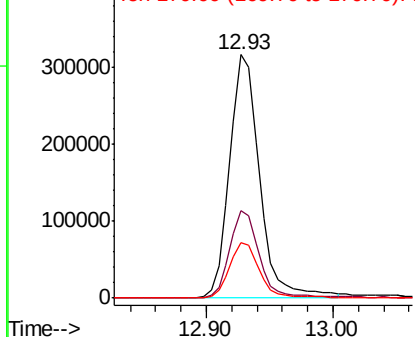


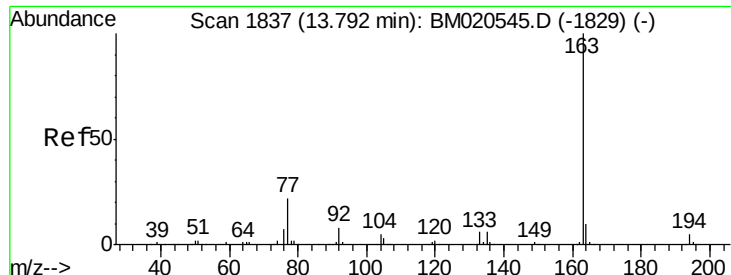
#45
 2-Fluorobiphenyl
 Concen: 25.800 ng
 RT: 12.93 min Scan# 1690
 Delta R.T. -0.01 min
 Lab File: BM020564.D
 Acq: 25 May 2019 05:08

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	27.9	41.9
170	22.9	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: 2.252 ng

RT: 13.78 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BM020564.D

Acq: 25 May 2019 05:08

Instrument :

BNA_M

ClientSampleId :

OR-03-052319-B

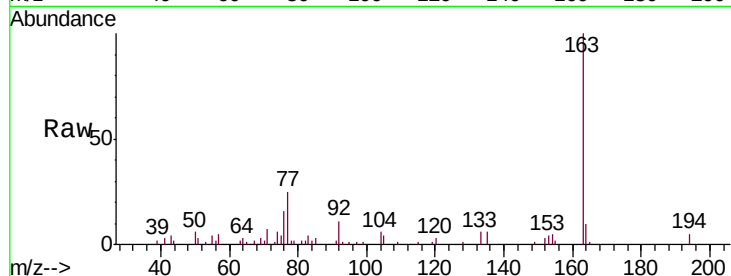
Tgt Ion:163 Resp: 50462

Ion Ratio Lower Upper

163 100

194 5.1 3.9 5.9

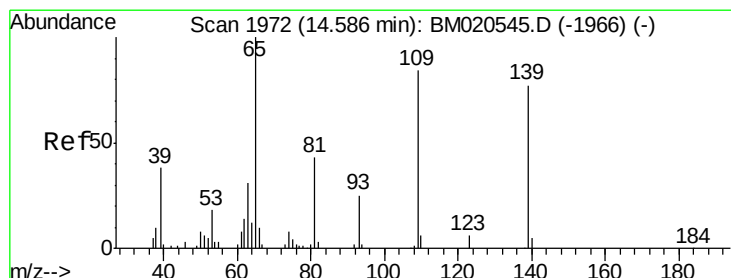
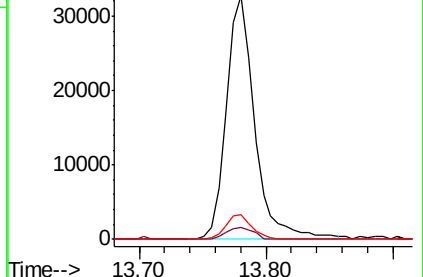
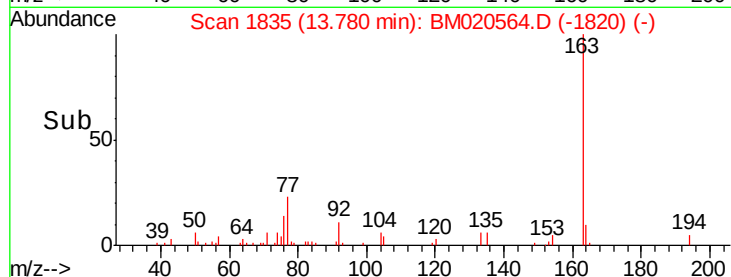
164 10.1 8.0 12.0



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



#56

4-Nitrophenol

Concen: 9.090 ng

RT: 14.54 min Scan# 1964

Delta R.T. -0.05 min

Lab File: BM020564.D

Acq: 25 May 2019 05:08

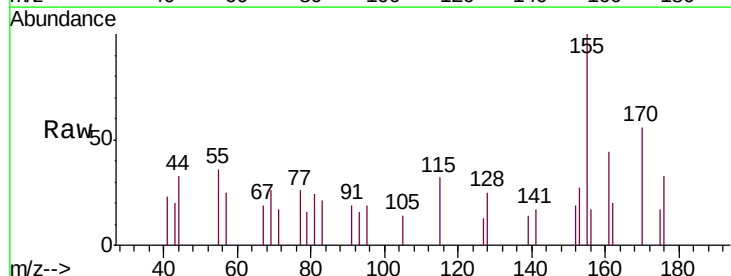
Tgt Ion:139 Resp: 118

Ion Ratio Lower Upper

139 100

109 0.0 89.4 129.4#

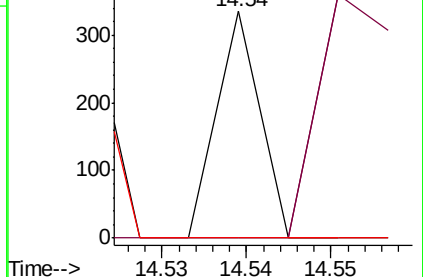
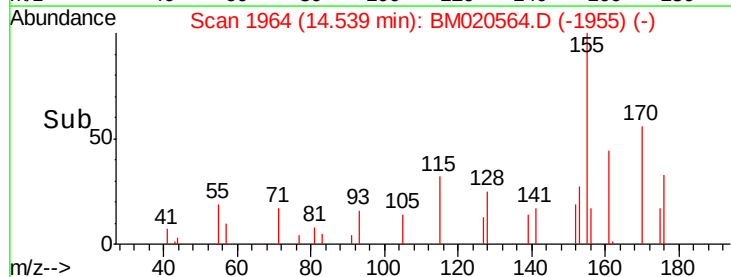
65 0.0 113.3 153.3#

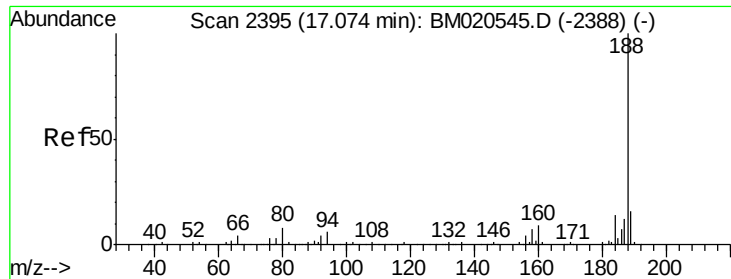


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): E

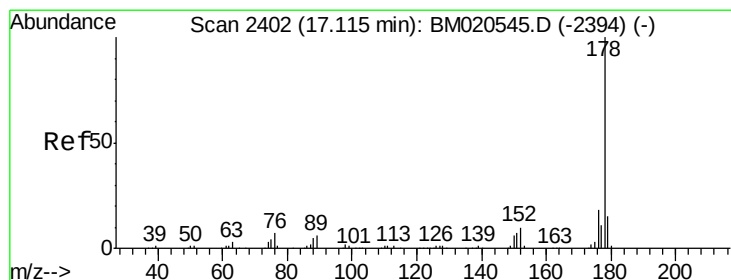
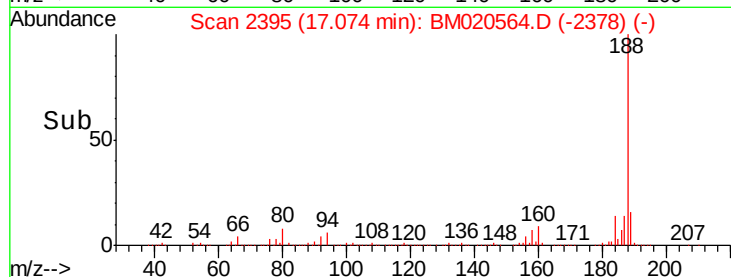
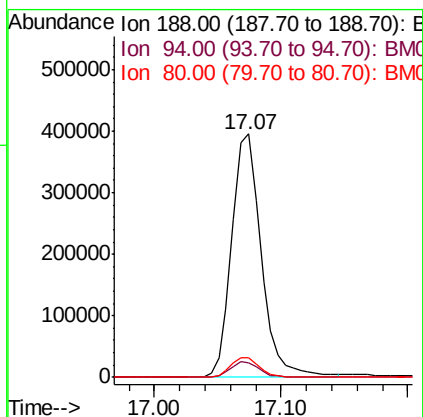
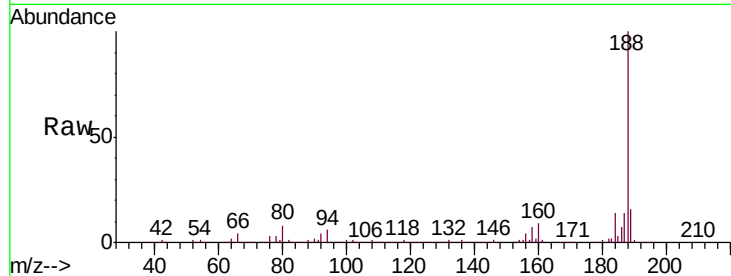




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.07 min Scan# 2395
 Delta R.T. 0.00 min
 Lab File: BM020564.D
 Acq: 25 May 2019 05:08

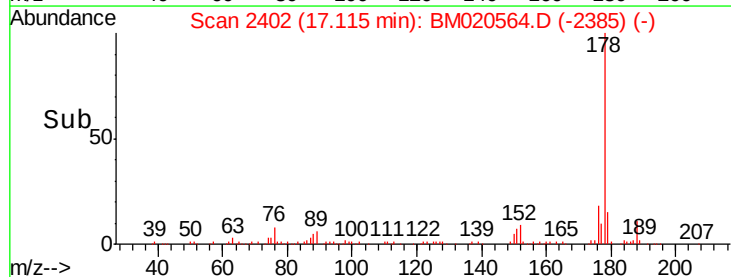
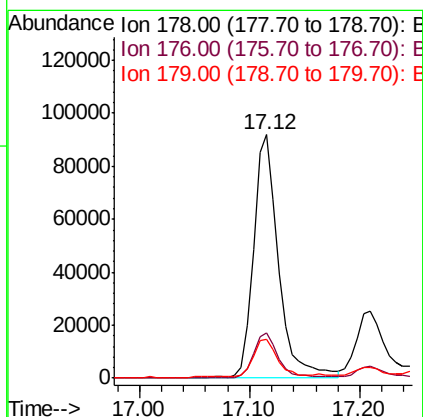
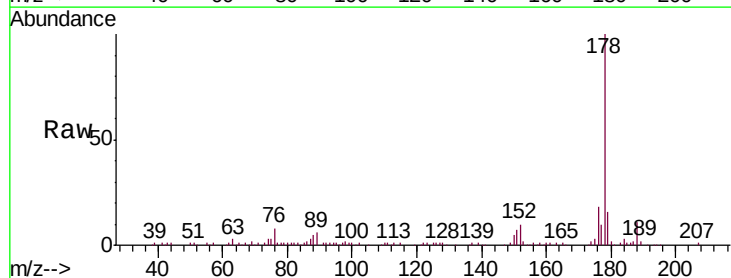
Instrument :
 BNA_M
 ClientSampleId :
 OR-03-052319-B

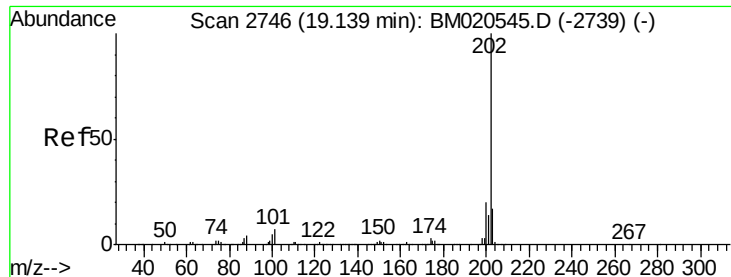
Tgt Ion:188 Resp: 640407
 Ion Ratio Lower Upper
 188 100
 94 5.9 5.0 7.4
 80 7.9 6.5 9.7



#71
 Phenanthrene
 Concen: 4.201 ng
 RT: 17.12 min Scan# 2402
 Delta R.T. 0.00 min
 Lab File: BM020564.D
 Acq: 25 May 2019 05:08

Tgt Ion:178 Resp: 146167
 Ion Ratio Lower Upper
 178 100
 176 18.4 14.7 22.1
 179 15.8 12.2 18.2





#75

Fluoranthene

Concen: 3.708 ng

RT: 19.13 min Scan# 2745

Delta R.T. -0.01 min

Lab File: BM020564.D

Acq: 25 May 2019 05:08

Instrument :

BNA_M

ClientSampleId :

OR-03-052319-B

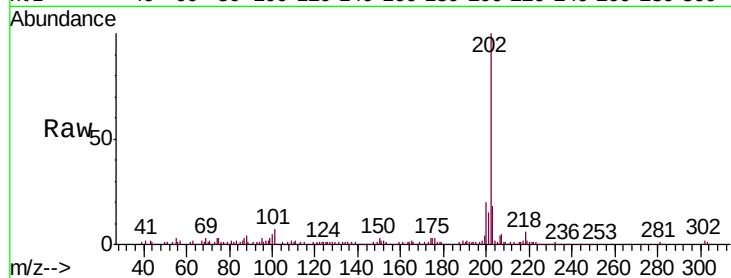
Tgt Ion:202 Resp: 179402

Ion Ratio Lower Upper

202 100

101 6.6 0.0 26.7

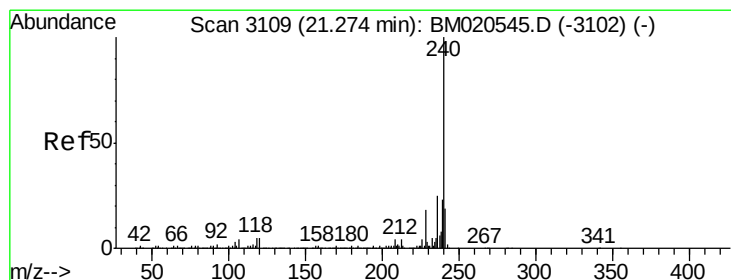
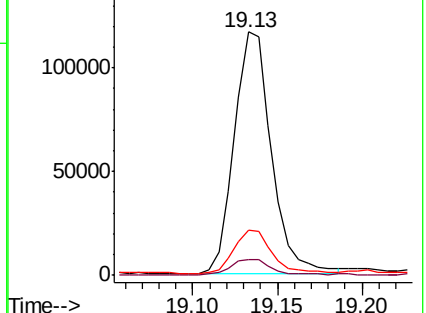
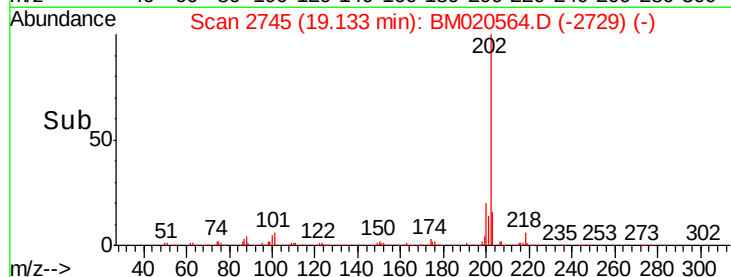
203 18.5 0.0 37.4



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: 21.26 min Scan# 3107

Delta R.T. -0.01 min

Lab File: BM020564.D

Acq: 25 May 2019 05:08

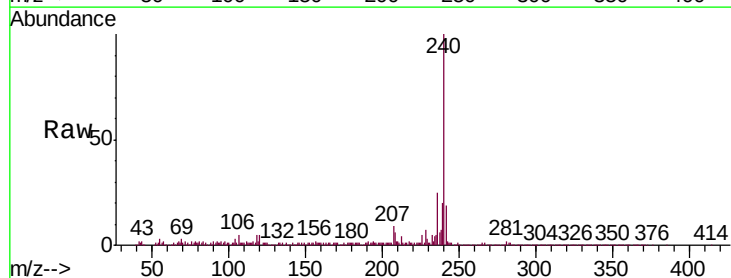
Tgt Ion:240 Resp: 509500

Ion Ratio Lower Upper

240 100

120 5.4 4.1 6.1

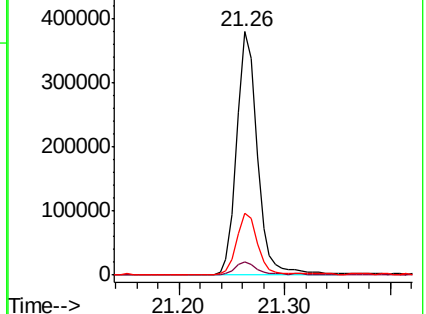
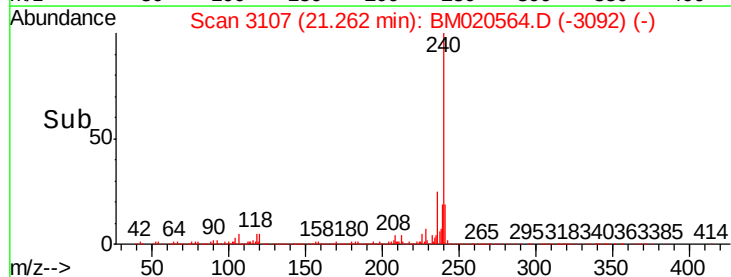
236 25.4 20.2 30.4

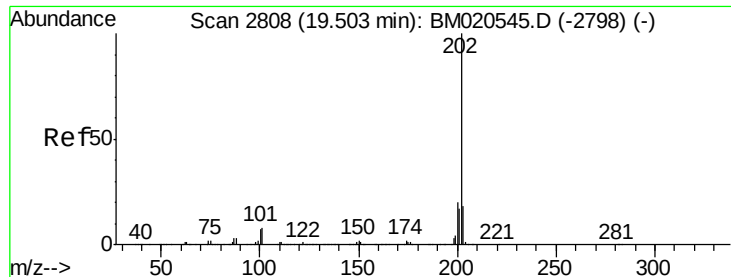


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 7.392 ng

RT: 19.50 min Scan# 2807

Delta R.T. -0.01 min

Lab File: BM020564.D

Acq: 25 May 2019 05:08

Instrument :

BNA_M

ClientSampleId :

OR-03-052319-B

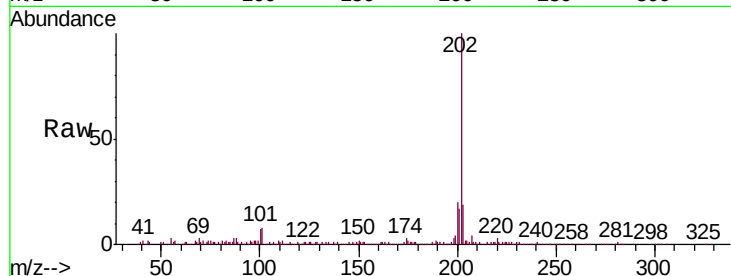
Tgt Ion:202 Resp: 236454

Ion Ratio Lower Upper

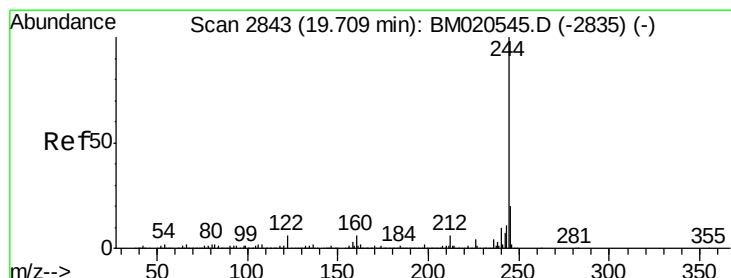
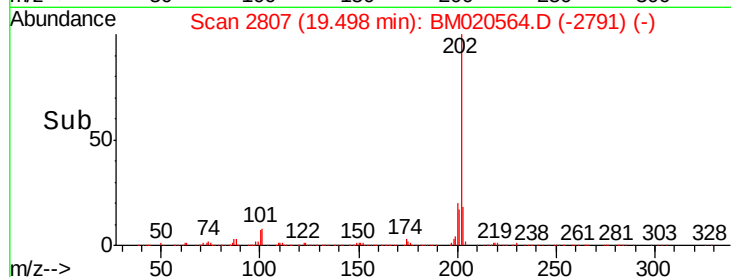
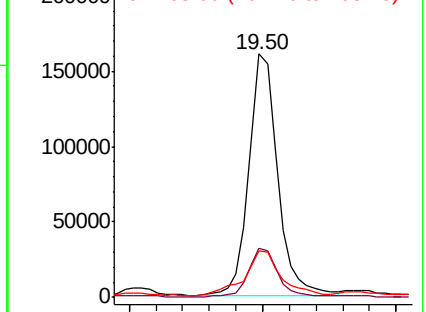
202 100

200 20.1 16.0 24.0

203 18.9 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: 32.740 ng

RT: 19.70 min Scan# 2842

Delta R.T. -0.01 min

Lab File: BM020564.D

Acq: 25 May 2019 05:08

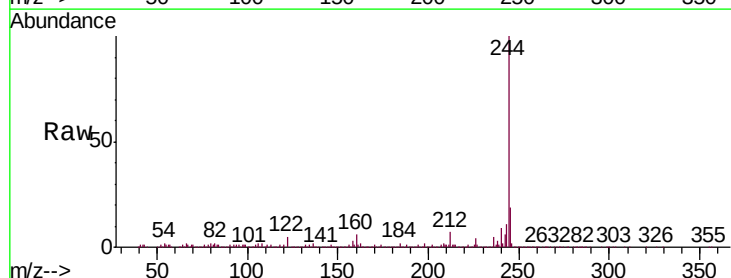
Tgt Ion:244 Resp: 922736

Ion Ratio Lower Upper

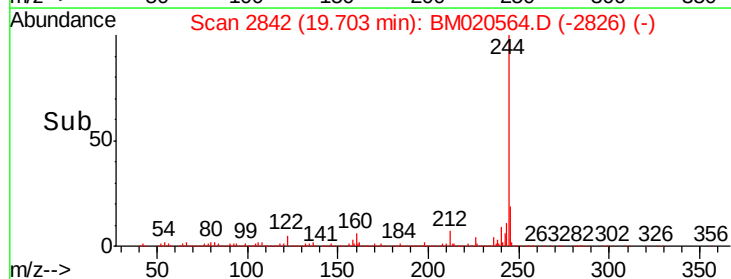
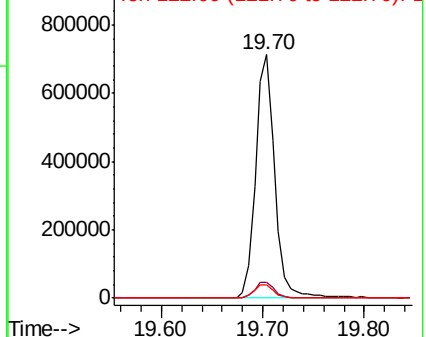
244 100

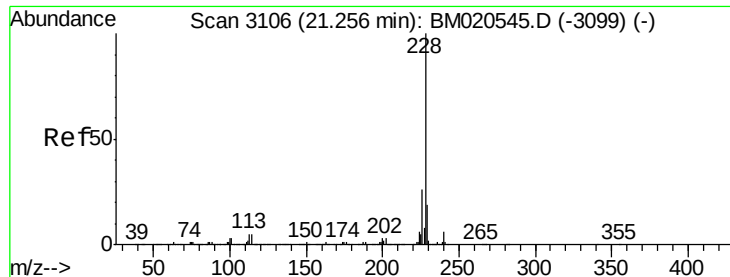
212 6.7 5.0 7.6

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





#81

Benzo(a)anthracene

Concen: 3.018 ng

RT: 21.25 min Scan# 3105

Delta R.T. -0.01 min

Lab File: BM020564.D

Acq: 25 May 2019 05:08

Instrument :

BNA_M

ClientSampleId :

OR-03-052319-B

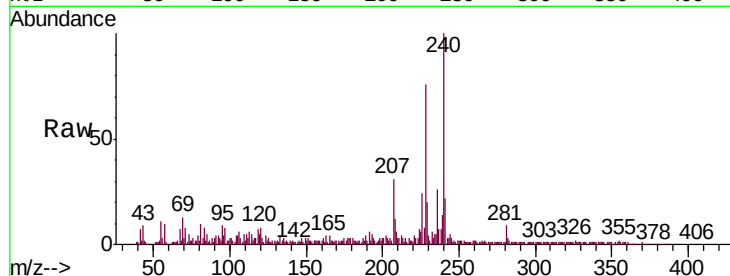
Tgt Ion:228 Resp: 106428

Ion Ratio Lower Upper

228 100

226 32.2 20.7 31.1#

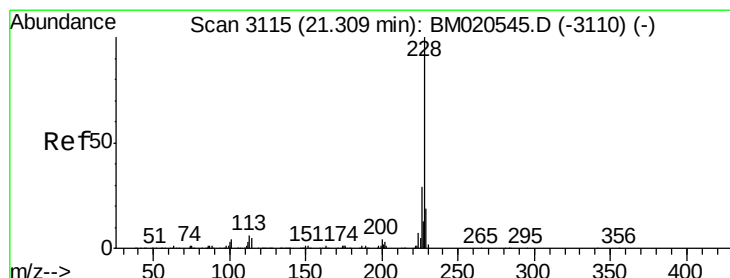
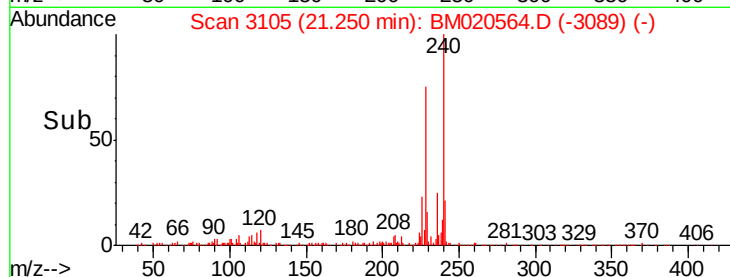
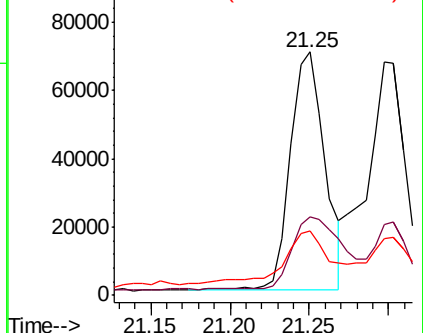
229 26.2 15.5 23.3#



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



#83

Chrysene

Concen: 3.163 ng

RT: 21.30 min Scan# 3113

Delta R.T. -0.01 min

Lab File: BM020564.D

Acq: 25 May 2019 05:08

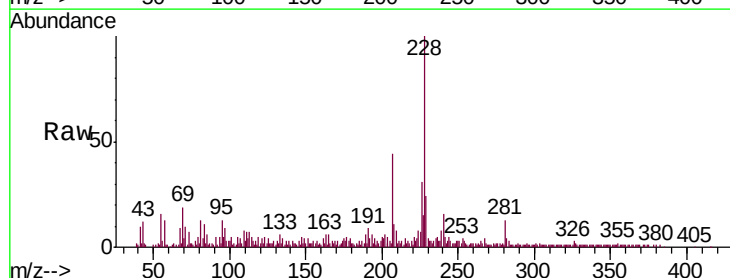
Tgt Ion:228 Resp: 107768

Ion Ratio Lower Upper

228 100

226 30.6 22.9 34.3

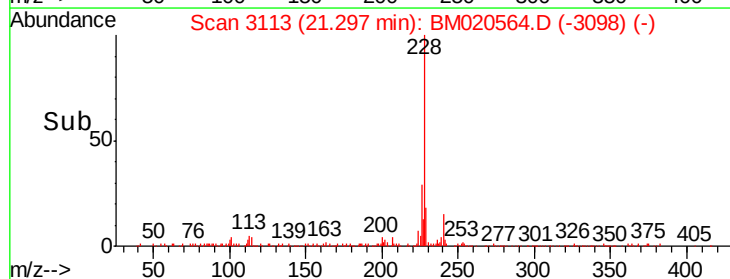
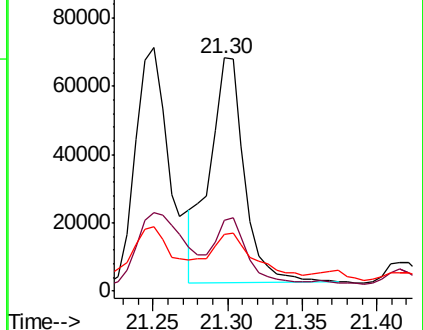
229 24.5 15.4 23.2#

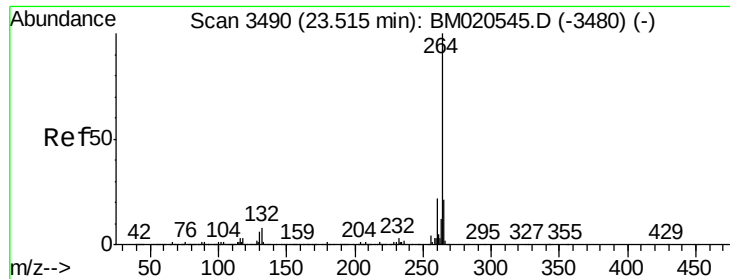


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

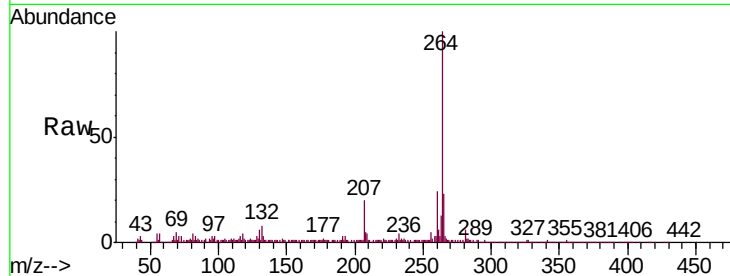




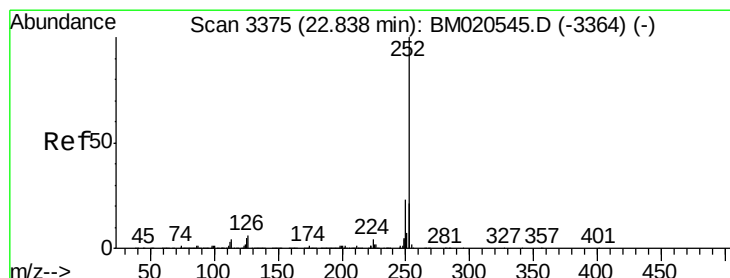
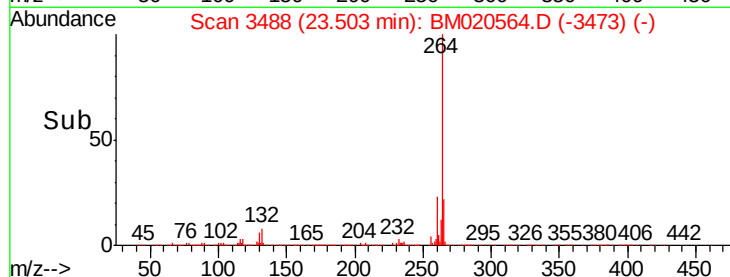
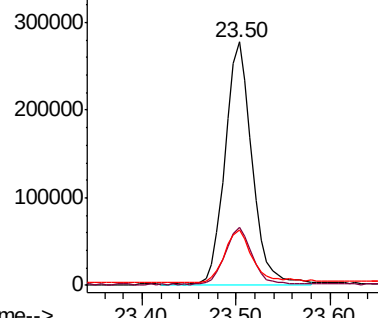
#87
Perylene-d12
Concen: 20.000 ng
RT: 23.50 min Scan# 3488
Delta R.T. -0.01 min
Lab File: BM020564.D
Acq: 25 May 2019 05:08

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

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	17.7	26.5
265	22.6	17.4	26.2

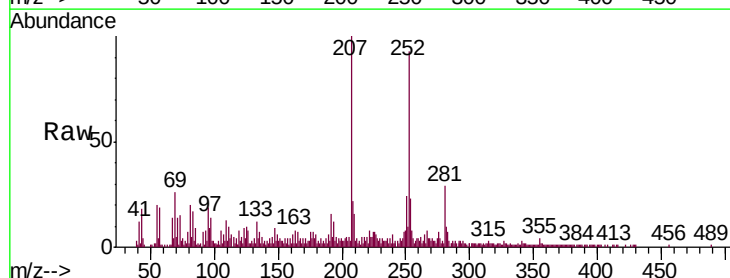


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

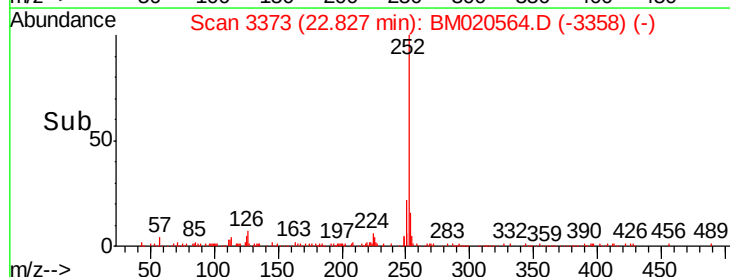
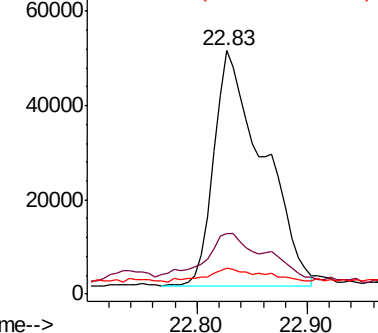


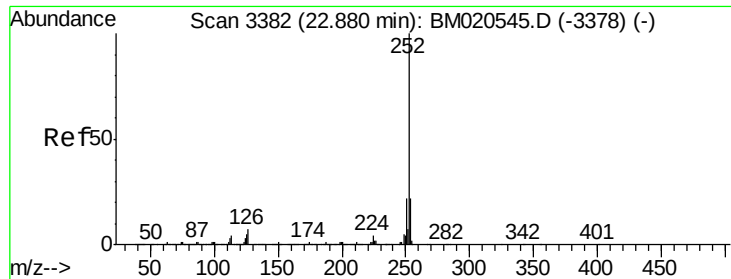
#88
Benzo(b)fluoranthene
Concen: 4.347 ng
RT: 22.83 min Scan# 3373
Delta R.T. -0.01 min
Lab File: BM020564.D
Acq: 25 May 2019 05:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.1	25.7
125	10.9	3.8	5.8



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





#89

Benzo(k)fluoranthene

Concen: 4.499 ng

RT: 22.83 min Scan# 3373

Delta R.T. -0.05 min

Lab File: BM020564.D

Acq: 25 May 2019 05:08

Instrument :

BNA_M

ClientSampleId :

OR-03-052319-B

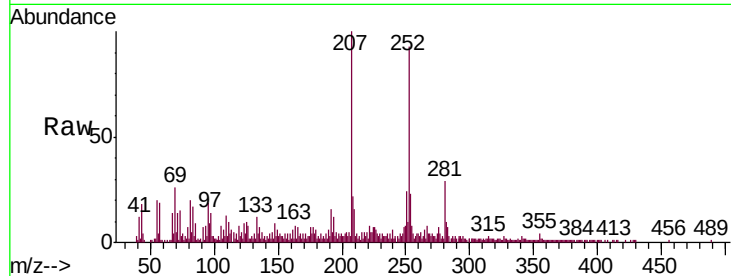
Tgt Ion:252 Resp: 157322

Ion Ratio Lower Upper

252 100

253 25.0 17.6 26.4

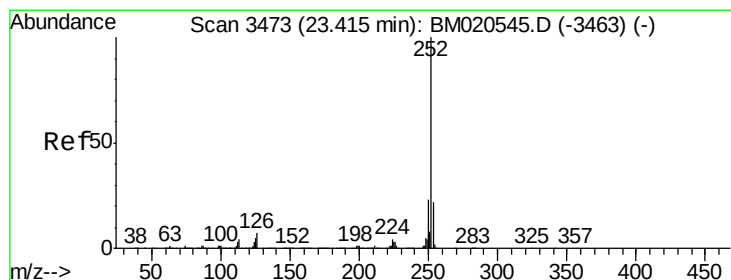
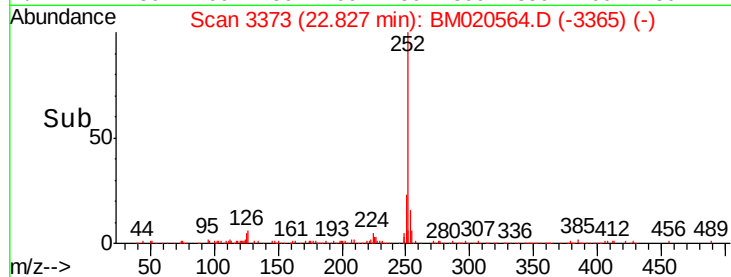
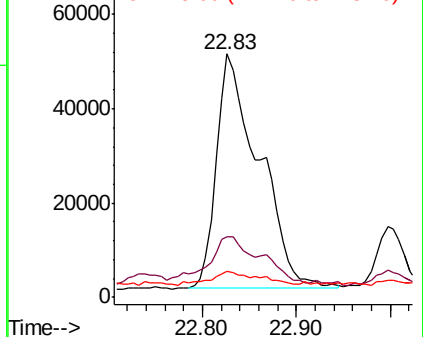
125 10.9 4.2 6.4#



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: 2.828 ng

RT: 23.40 min Scan# 3471

Delta R.T. -0.01 min

Lab File: BM020564.D

Acq: 25 May 2019 05:08

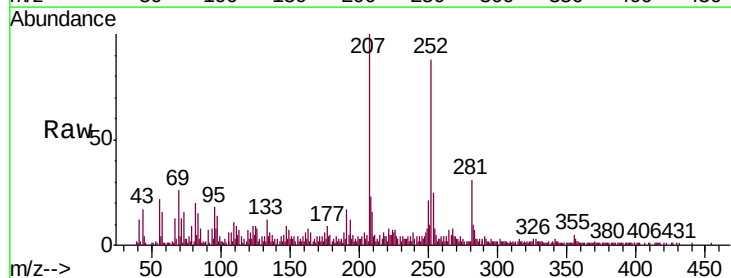
Tgt Ion:252 Resp: 93769

Ion Ratio Lower Upper

252 100

253 28.2 17.4 26.2#

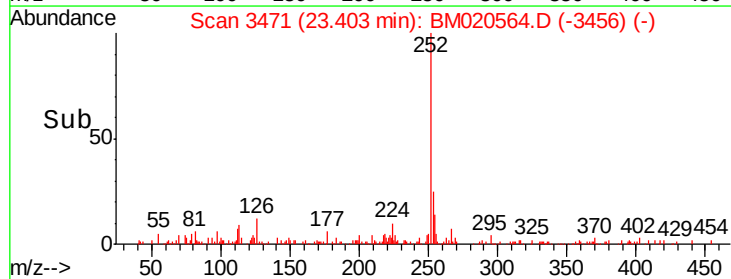
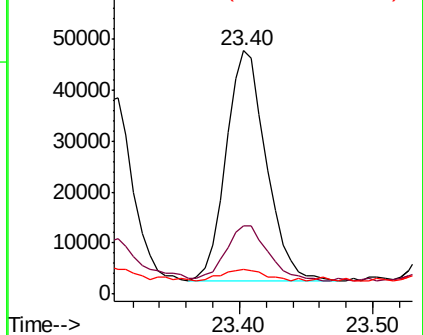
125 10.3 4.2 6.4#

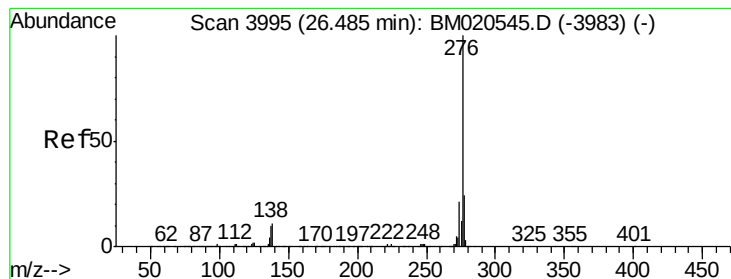


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Benzo(g,h,i)perylene

Concen: 2.231 ng

RT: 26.47 min Scan# 3992

Delta R.T. -0.02 min

Lab File: BM020564.D

Acq: 25 May 2019 05:08

Instrument :

BNA_M

ClientSampleId :

OR-03-052319-B

Tgt Ion: 276 Resp: 70190

Ion Ratio Lower Upper

276 100

277 28.7 19.1 28.7

138 13.7 8.6 12.8#

