

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM052419\
 Data File : BM020566.D
 Acq On : 25 May 2019 06:20
 Operator : JU/SJ
 Sample : K3026-03 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: May 27 03:46:41 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

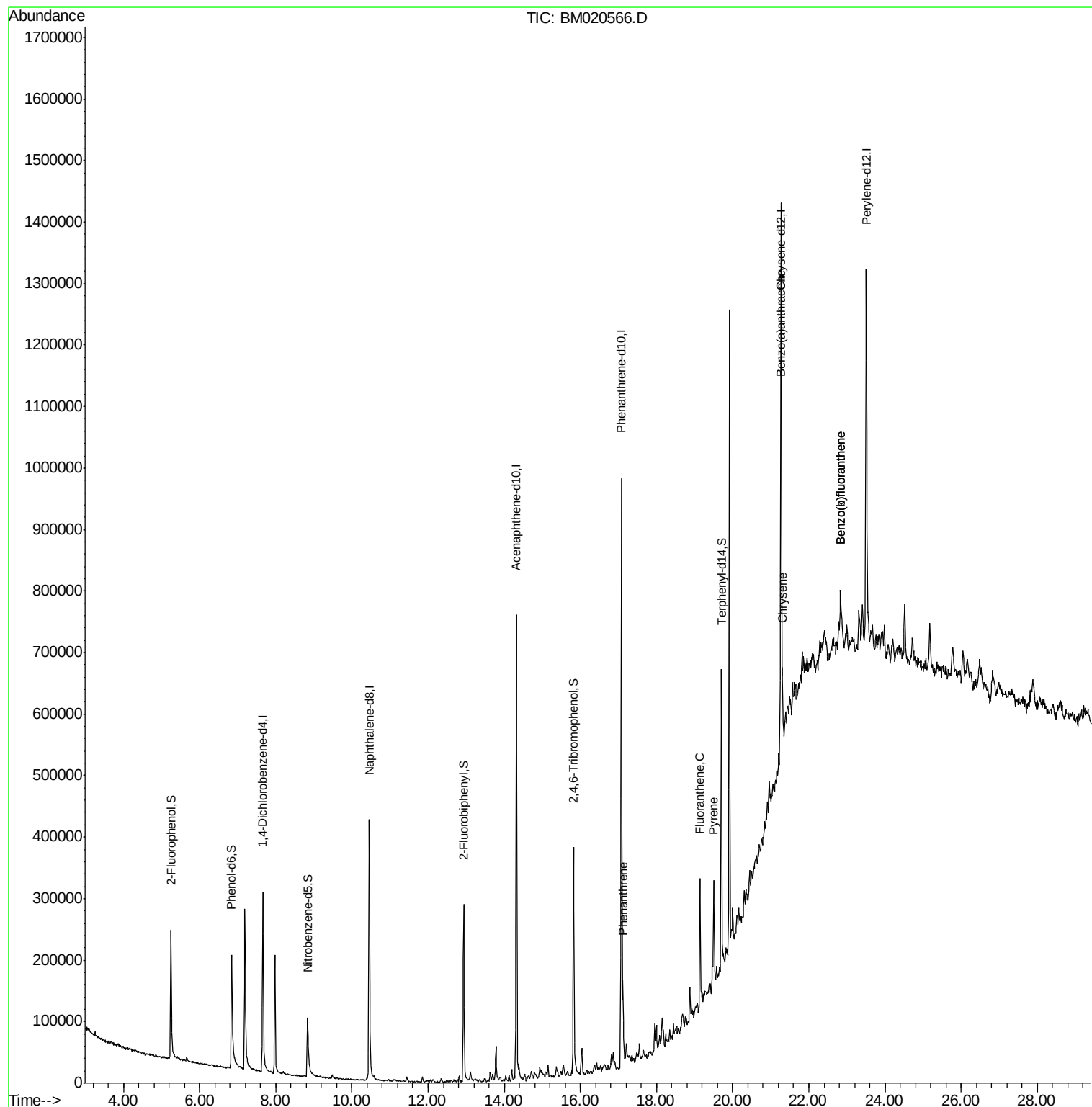
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	94454	20.00	ng	0.00
21) Naphthalene-d8	10.45	136	366625	20.00	ng	0.00
39) Acenaphthene-d10	14.32	164	259152	20.00	ng	0.00
64) Phenanthrene-d10	17.07	188	605329	20.00	ng	0.00
76) Chrysene-d12	21.27	240	458186	20.00	ng	0.00
87) Perylene-d12	23.51	264	517523	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	104376	21.68	ng	0.00
7) Phenol-d6	6.84	99	147410	20.29	ng	0.00
23) Nitrobenzene-d5	8.83	82	96554	11.05	ng	0.00
42) 2,4,6-Tribromophenol	15.82	330	92801	17.87	ng	0.00
45) 2-Fluorobiphenyl	12.93	172	178117	8.62	ng	0.00
79) Terphenyl-d14	19.70	244	261621	10.32	ng	0.00
Target Compounds						
71) Phenanthrene	17.12	178	71477	2.174	ng	99
75) Fluoranthene	19.14	202	133045	2.909	ng	98
78) Pyrene	19.50	202	117515	4.085	ng	97
81) Benzo(a)anthracene	21.25	228	64244	2.026	ng	# 93
83) Chrysene	21.30	228	63920	2.086	ng	# 93
88) Benzo(b)fluoranthene	22.83	252	107313	3.168	ng	# 84
89) Benzo(k)fluoranthene	22.83	252	106523	3.240	ng	# 85

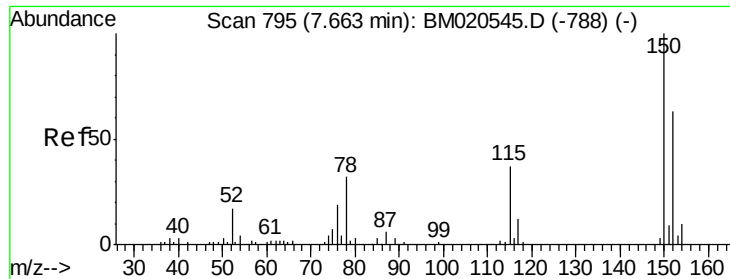
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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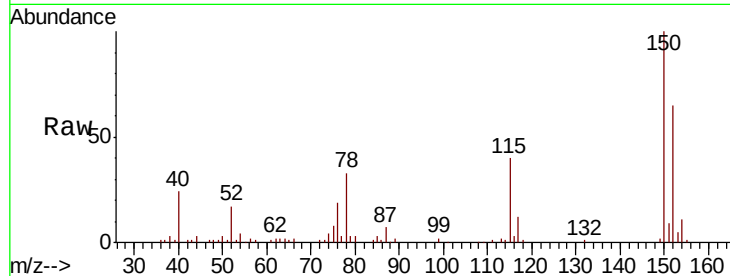


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.66 min Scan# 794
Delta R.T. -0.01 min
Lab File: BM020566.D
Acq: 25 May 2019 06:20

Instrument :
BNA_M
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.3	126.6	190.0
115	61.7	46.6	70.0

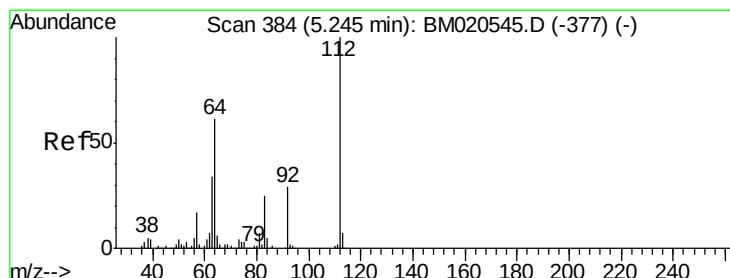
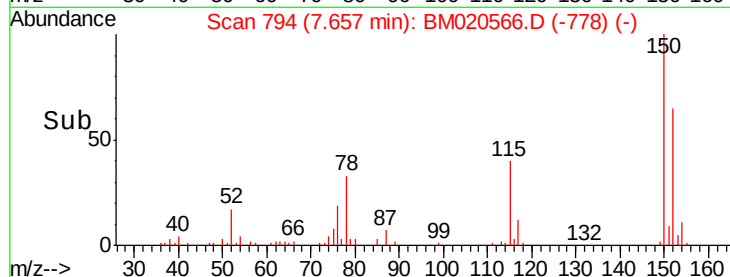
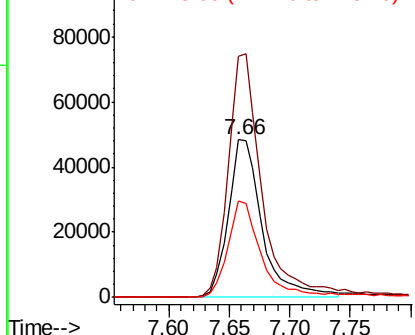


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

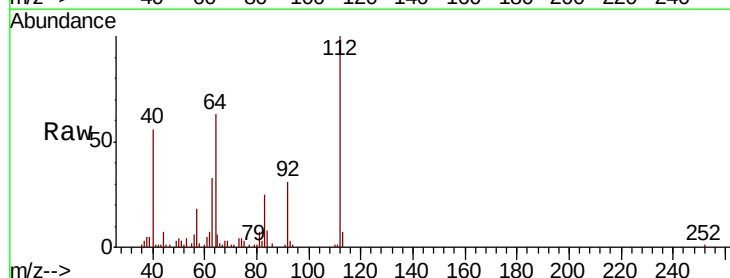
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 21.679 ng
RT: 5.25 min Scan# 384
Delta R.T. 0.00 min
Lab File: BM020566.D
Acq: 25 May 2019 06:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.0	48.6	73.0
63	33.3	27.4	41.0

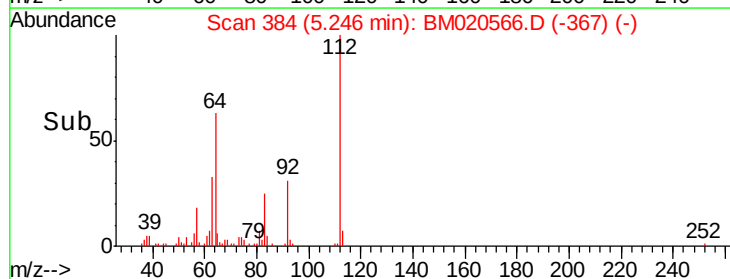
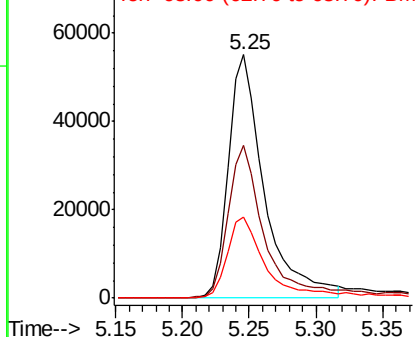


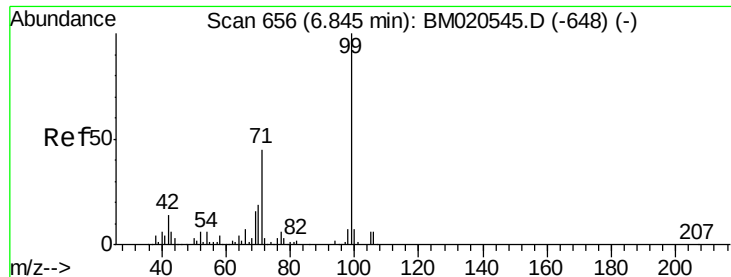
Abundance

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: 20.285 ng

RT: 6.84 min Scan# 655

Delta R.T. -0.01 min

Lab File: BM020566.D

Acq: 25 May 2019 06:20

Instrument :

BNA_M

ClientSampled :

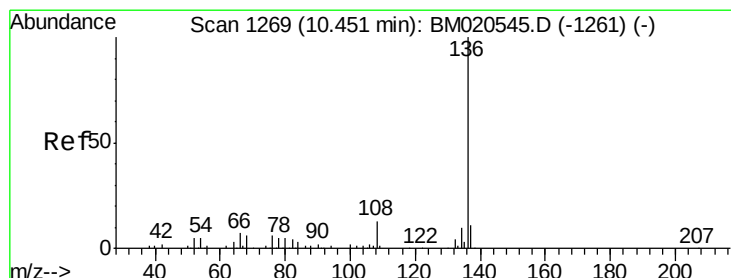
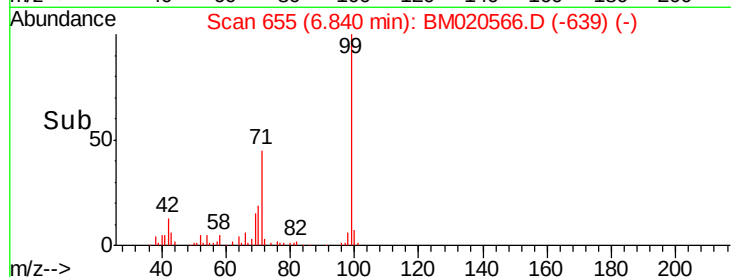
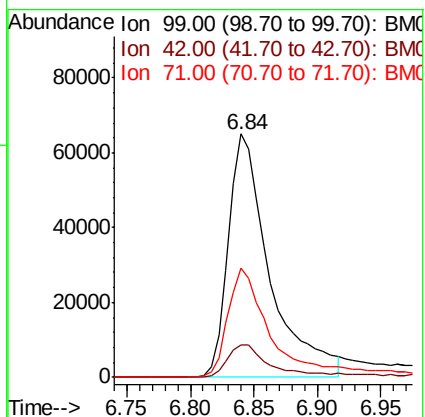
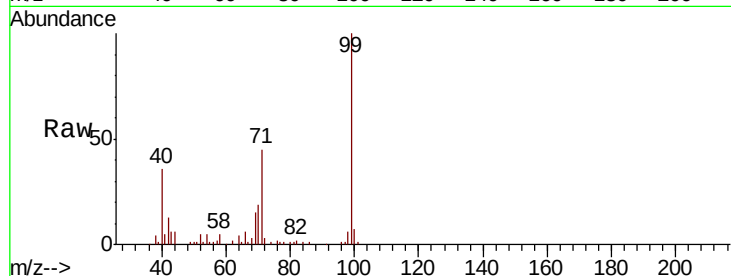
Tot Ion: 99 Resp: 147410

Ion Ratio Lower Upper

99 100

42 13.4 10.8 16.2

71 44.8 36.3 54.5



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.45 min Scan# 1269

Delta R.T. 0.00 min

Lab File: BM020566.D

Acq: 25 May 2019 06:20

Tgt Ion: 136 Resp: 366625

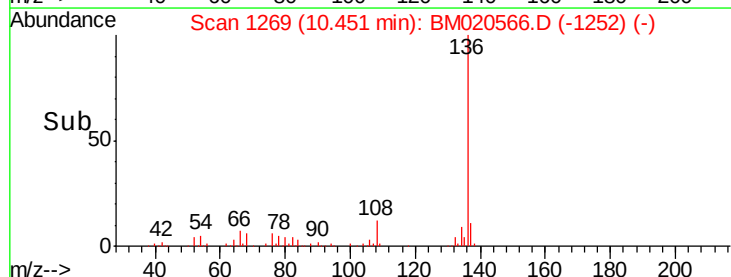
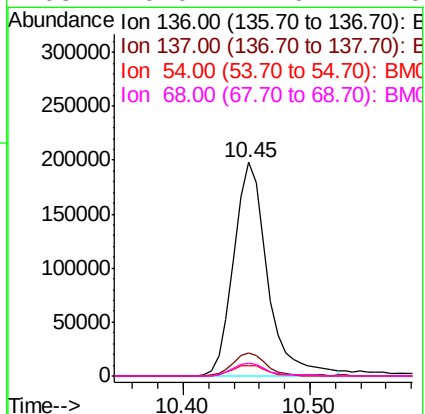
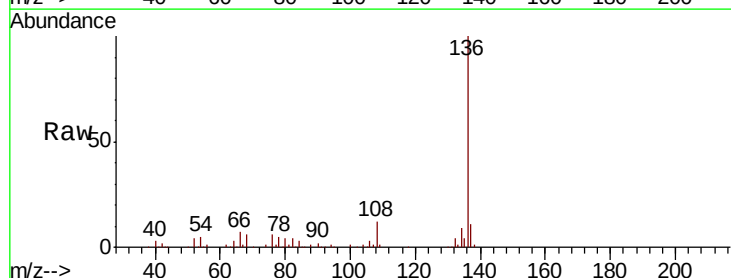
Ion Ratio Lower Upper

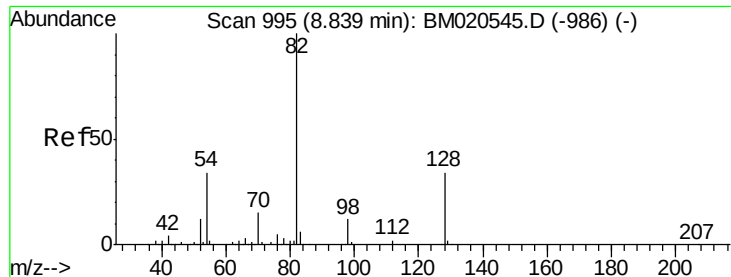
136 100

137 11.0 8.4 12.6

54 4.9 4.2 6.4

68 6.0 4.6 7.0

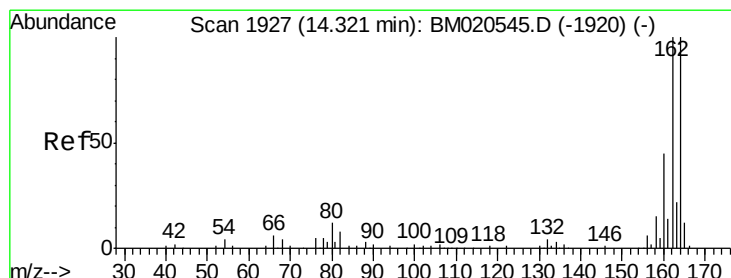
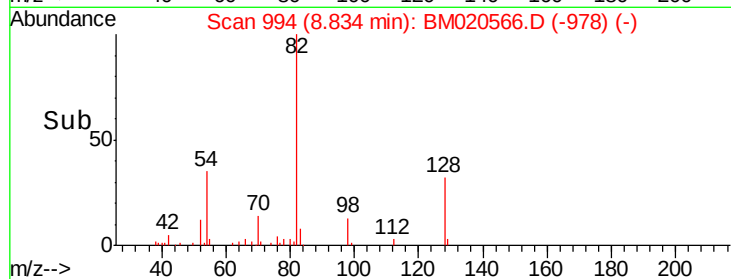
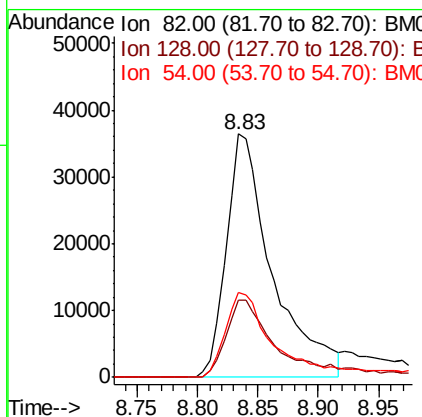
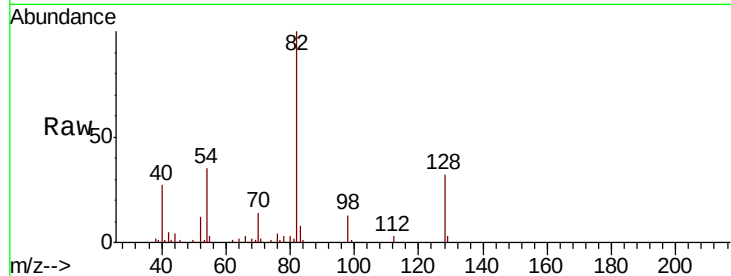




#23
 Nitrobenzene-d5
 Concen: 11.054 ng
 RT: 8.83 min Scan# 994
 Delta R.T. -0.01 min
 Lab File: BM020566.D
 Acq: 25 May 2019 06:20

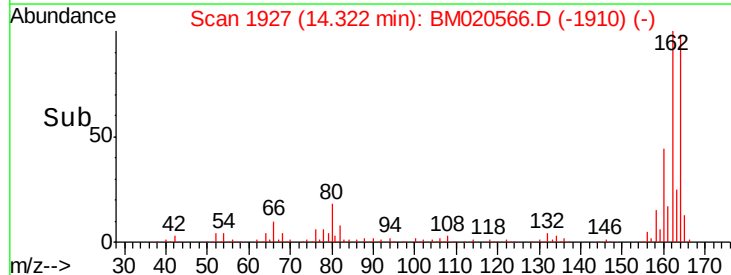
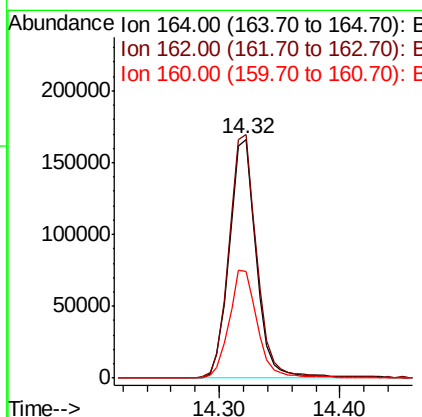
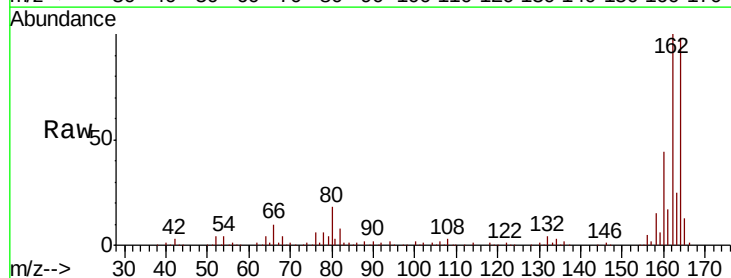
Instrument :
 BNA_M
 ClientSampled :

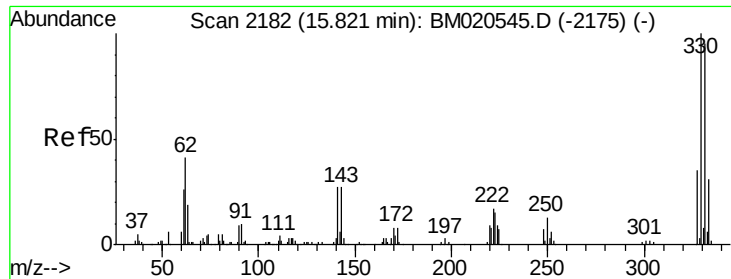
Tot Ion	82	Resp	96554
Ion Ratio	Lower	Upper	
82	100		
128	32.0	27.0	40.4
54	34.7	27.4	41.2



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.32 min Scan# 1927
 Delta R.T. 0.00 min
 Lab File: BM020566.D
 Acq: 25 May 2019 06:20

Tgt Ion	164	Resp	259152
Ion Ratio	Lower	Upper	
164	100		
162	102.0	79.8	119.8
160	44.5	35.9	53.9

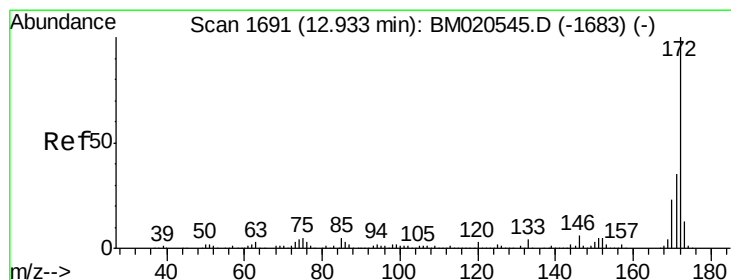
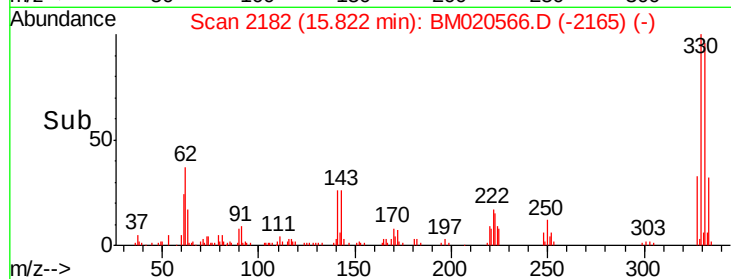
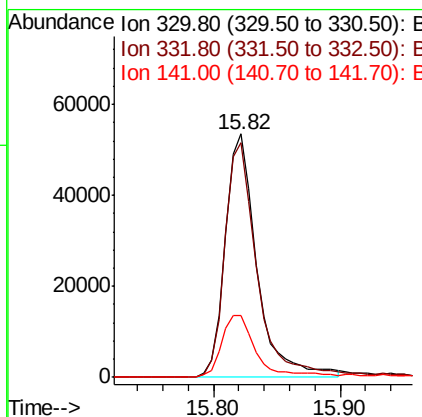
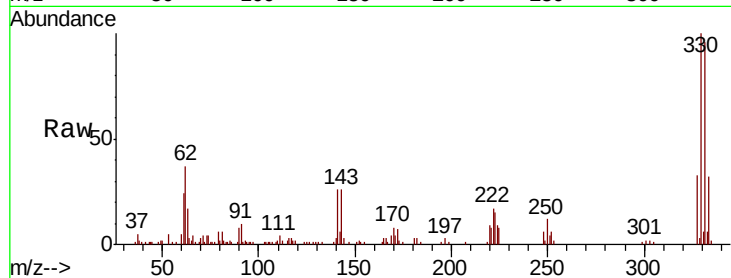




#42
 2,4,6-Tribromophenol
 Concen: 17.874 ng
 RT: 15.82 min Scan# 2182
 Delta R.T. 0.00 min
 Lab File: BM020566.D
 Acq: 25 May 2019 06:20

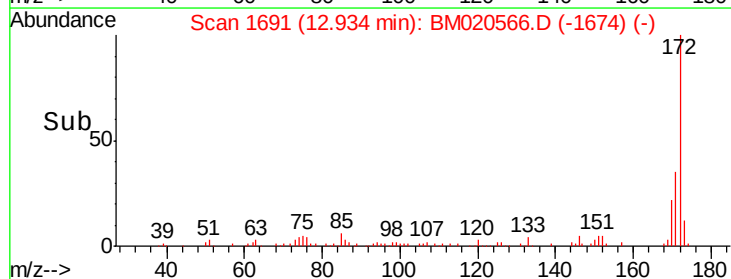
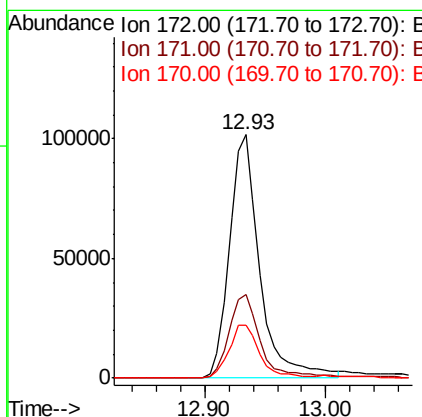
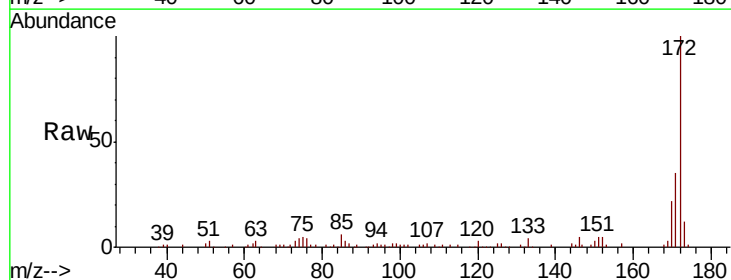
Instrument :
 BNA_M
 ClientSampleId :

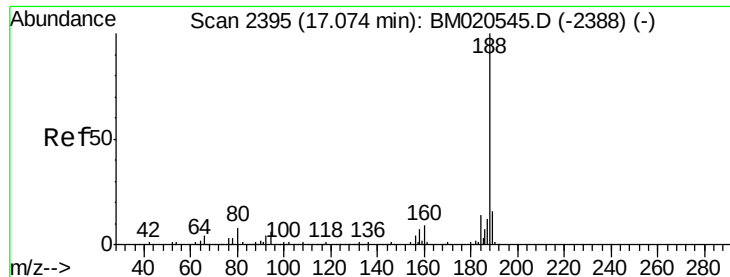
Tot Ion:330 Resp: 92801
 Ion Ratio Lower Upper
 330 100
 332 97.1 77.5 116.3
 141 27.9 21.7 32.5



#45
 2-Fluorobiphenyl
 Concen: 8.624 ng
 RT: 12.93 min Scan# 1691
 Delta R.T. 0.00 min
 Lab File: BM020566.D
 Acq: 25 May 2019 06:20

Tgt Ion:172 Resp: 178117
 Ion Ratio Lower Upper
 172 100
 171 34.6 27.9 41.9
 170 21.8 18.2 27.4

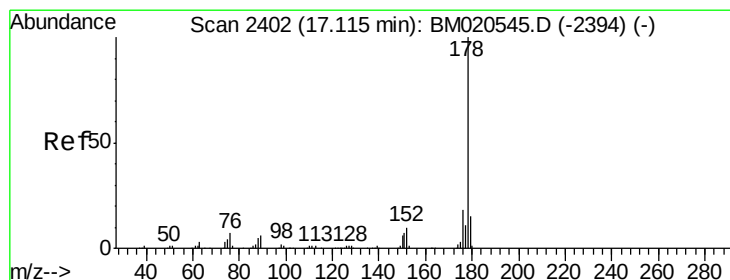
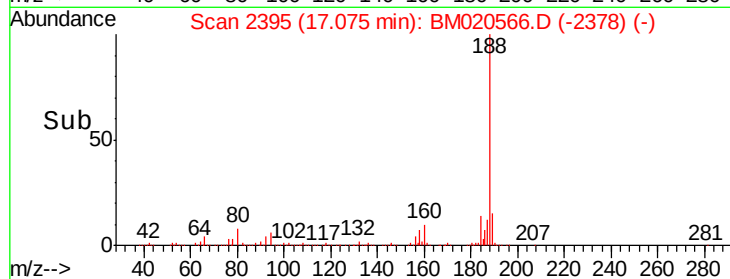
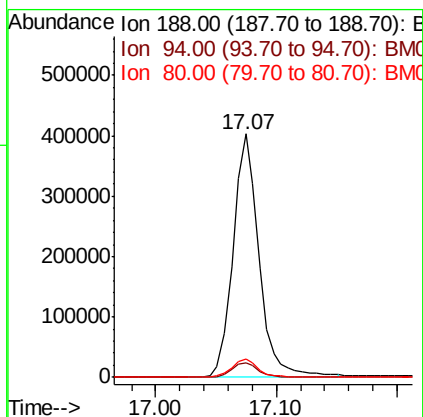
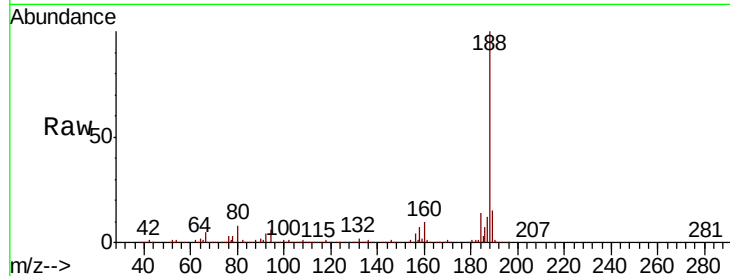




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.07 min Scan# 2395
Delta R.T. 0.00 min
Lab File: BM020566.D
Acq: 25 May 2019 06:20

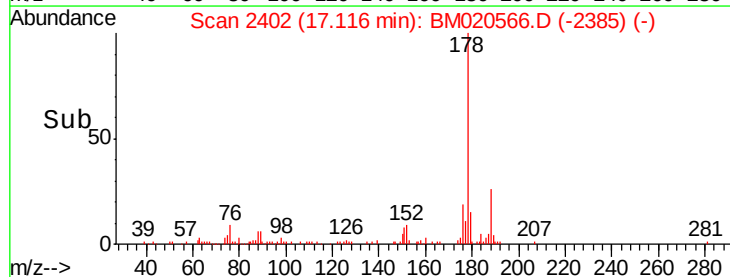
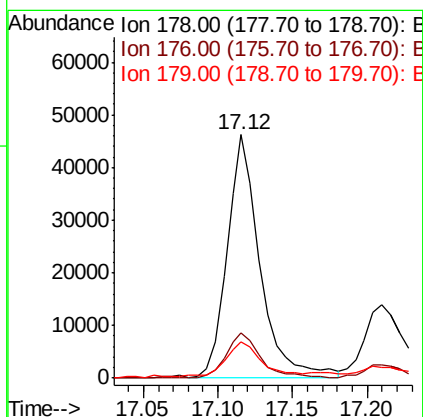
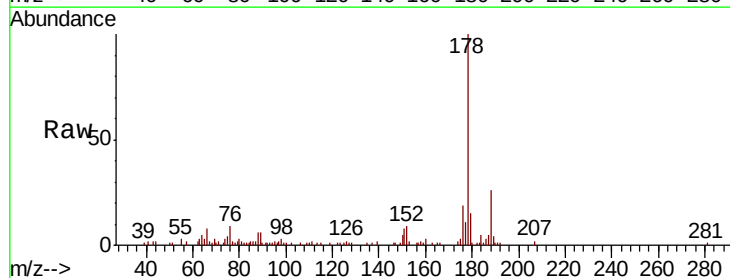
Instrument :
BNA_M
ClientSampled :

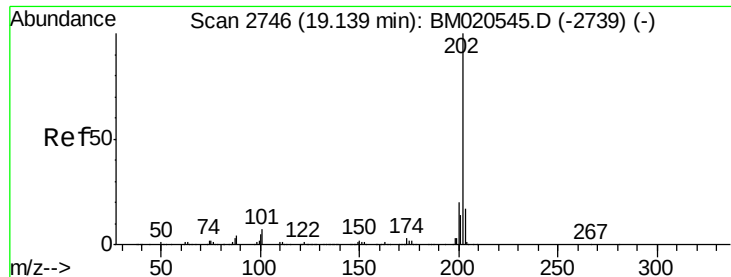
Tot Ion:188 Resp: 605329
Ion Ratio Lower Upper
188 100
94 5.8 5.0 7.4
80 7.8 6.5 9.7



#71
Phenanthrene
Concen: 2.174 ng
RT: 17.12 min Scan# 2402
Delta R.T. 0.00 min
Lab File: BM020566.D
Acq: 25 May 2019 06:20

Tgt Ion:178 Resp: 71477
Ion Ratio Lower Upper
178 100
176 18.7 14.7 22.1
179 14.7 12.2 18.2





#75

Fluoranthene

Concen: 2.909 ng

RT: 19.14 min Scan# 2746

Delta R.T. 0.00 min

Lab File: BM020566.D

Acq: 25 May 2019 06:20

Instrument :

BNA_M

ClientSampleId :

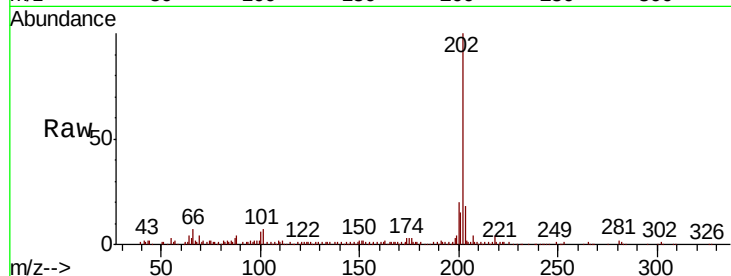
Tot Ion:202 Resp: 133045

Ion Ratio Lower Upper

202 100

101 6.7 0.0 26.7

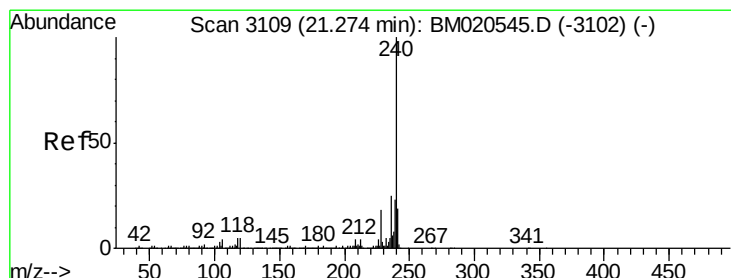
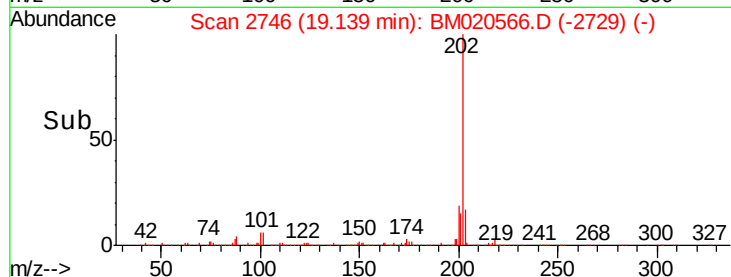
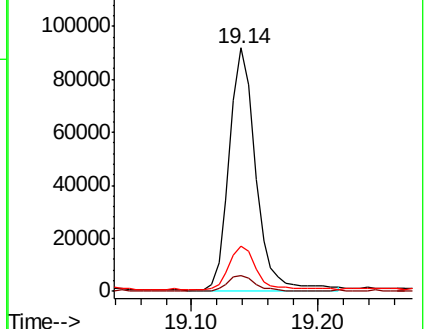
203 18.4 0.0 37.4



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: 21.27 min Scan# 3108

Delta R.T. -0.01 min

Lab File: BM020566.D

Acq: 25 May 2019 06:20

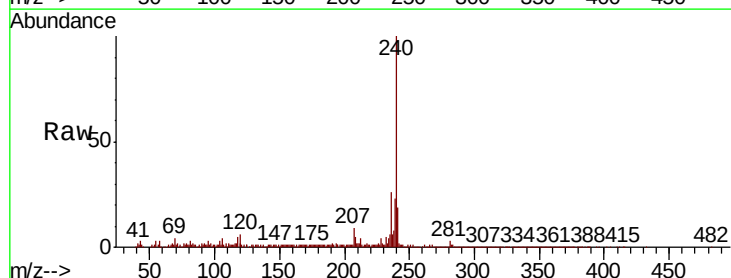
Tgt Ion:240 Resp: 458186

Ion Ratio Lower Upper

240 100

120 5.6 4.1 6.1

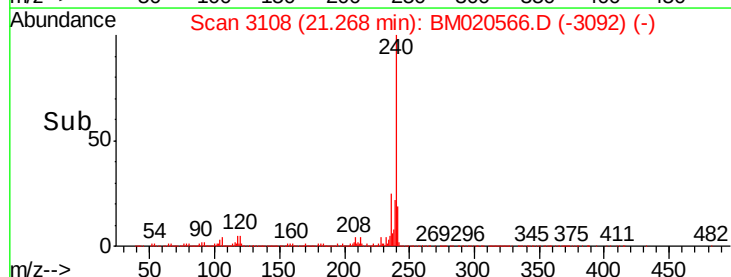
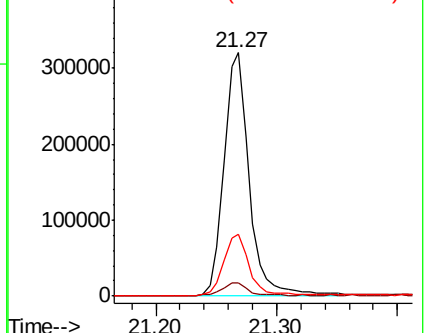
236 25.5 20.2 30.4

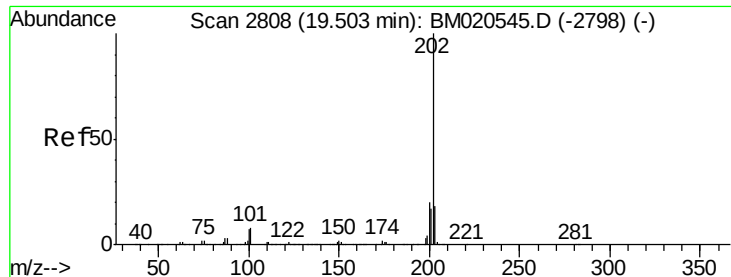


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 4.085 ng

RT: 19.50 min Scan# 2808

Delta R.T. 0.00 min

Lab File: BM020566.D

Acq: 25 May 2019 06:20

Instrument :

BNA_M

ClientSampleId :

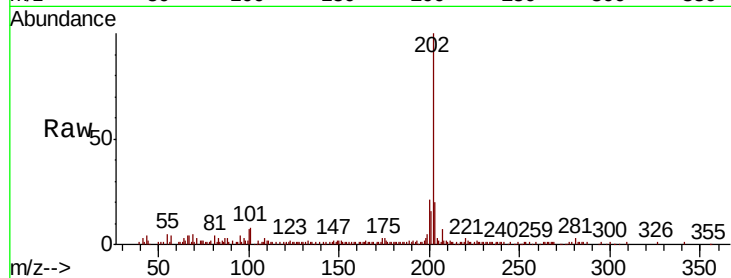
Tot Ion:202 Resp: 117515

Ion Ratio Lower Upper

202 100

200 20.6 16.0 24.0

203 19.5 14.1 21.1

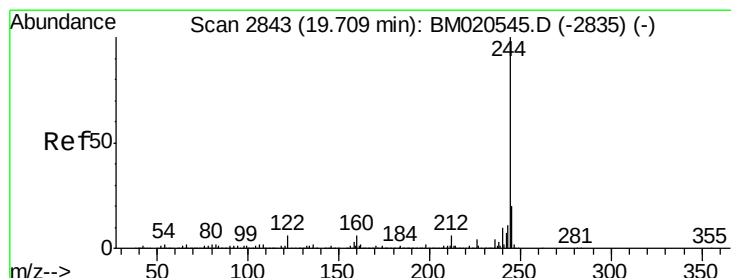
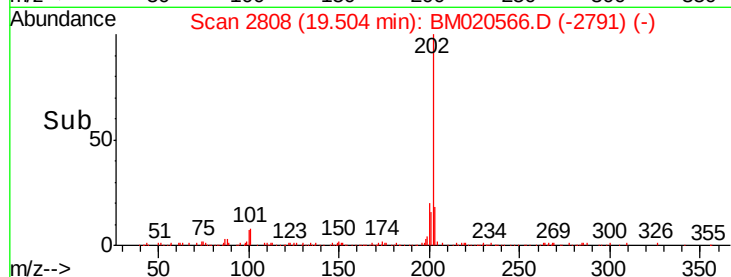
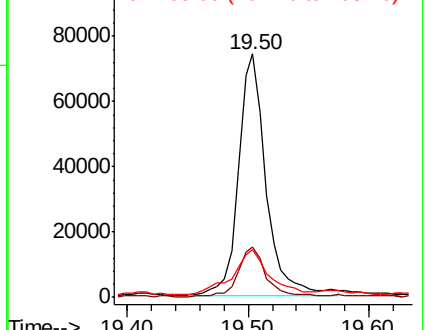


Abundance

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: 10.322 ng

RT: 19.70 min Scan# 2842

Delta R.T. -0.01 min

Lab File: BM020566.D

Acq: 25 May 2019 06:20

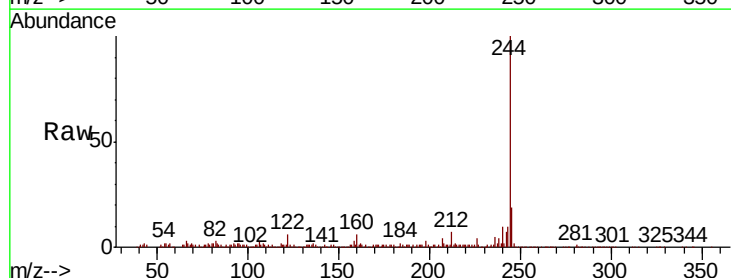
Tgt Ion:244 Resp: 261621

Ion Ratio Lower Upper

244 100

212 7.0 5.0 7.6

122 5.5 4.6 7.0

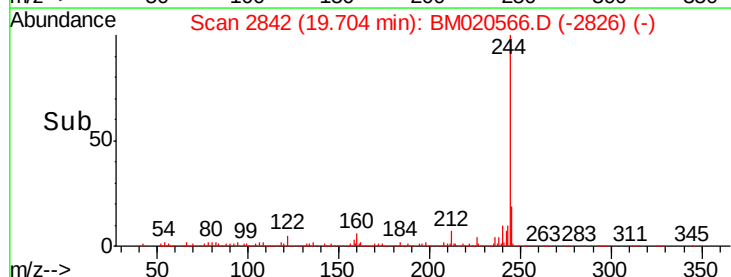
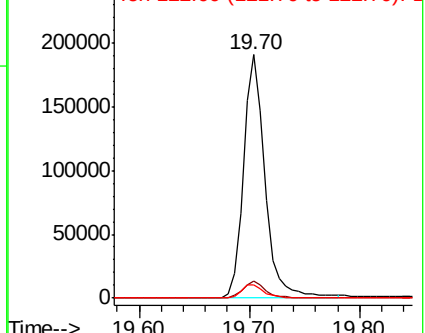


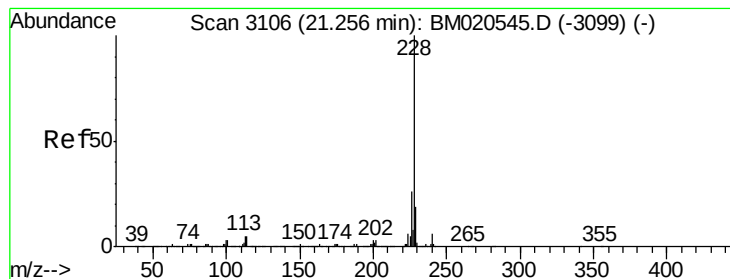
Abundance

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: 2.026 ng

RT: 21.25 min Scan# 3105

Delta R.T. -0.01 min

Lab File: BM020566.D

Acq: 25 May 2019 06:20

Instrument :

BNA_M

ClientSampleId :

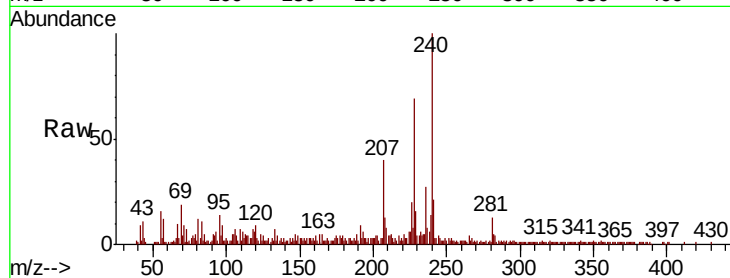
Tot Ion:228 Resp: 64244

Ion Ratio Lower Upper

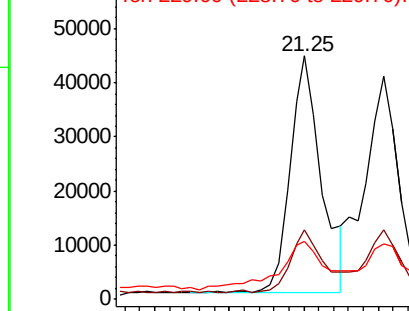
228 100

226 28.6 20.7 31.1

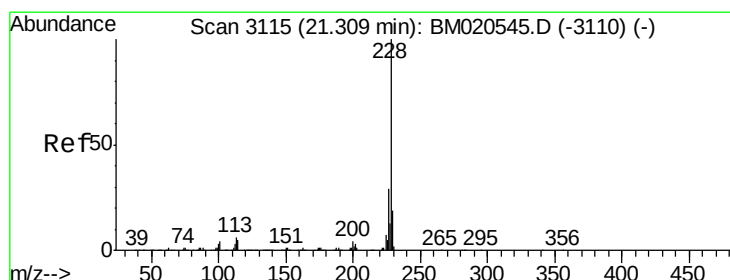
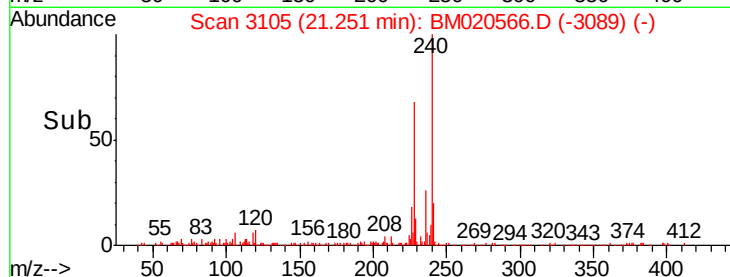
229 23.9 15.5 23.3#



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



Time-->



#83

Chrysene

Concen: 2.086 ng

RT: 21.30 min Scan# 3114

Delta R.T. -0.01 min

Lab File: BM020566.D

Acq: 25 May 2019 06:20

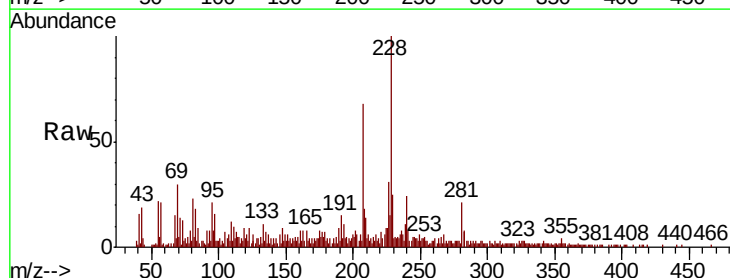
Tgt Ion:228 Resp: 63920

Ion Ratio Lower Upper

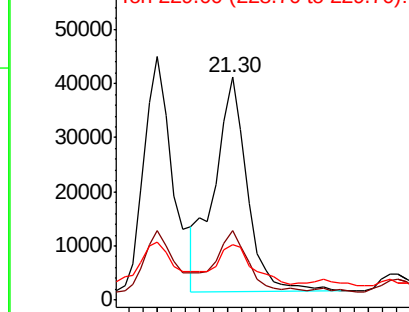
228 100

226 31.0 22.9 34.3

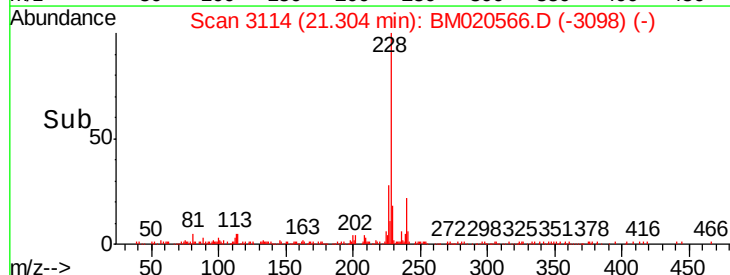
229 24.7 15.4 23.2#

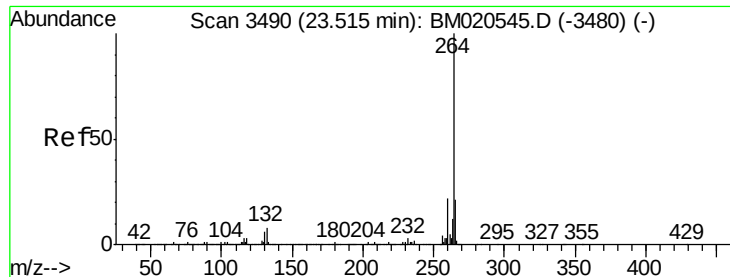


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



Time-->





#87

Pervlene-d12

Concen: 20.000 ng

RT: 23.51 min Scan# 3489

Delta R.T. -0.01 min

Lab File: BM020566.D

Acq: 25 May 2019 06:20

Instrument :

BNA_M

ClientSampleId :

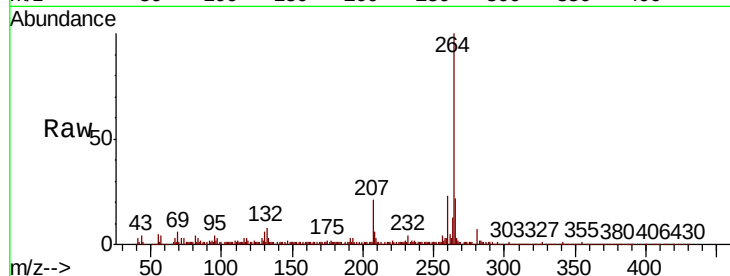
Tot Ion:264 Resp: 517523

Ion Ratio Lower Upper

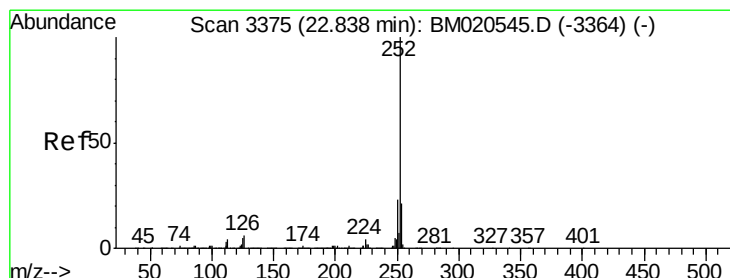
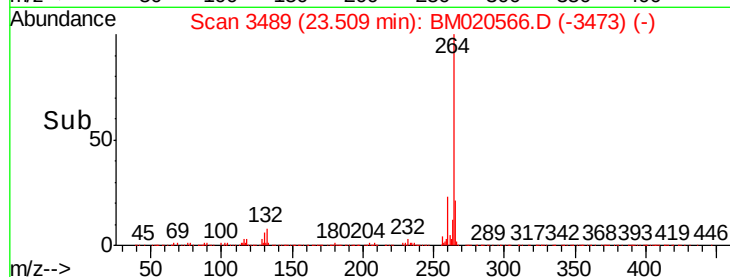
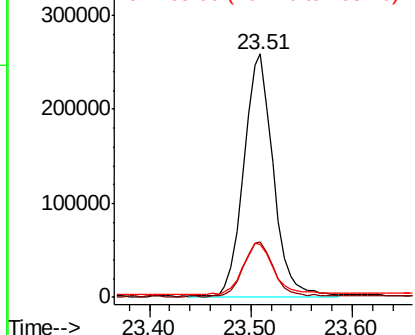
264 100

260 22.9 17.7 26.5

265 21.8 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: 3.168 ng

RT: 22.83 min Scan# 3374

Delta R.T. -0.01 min

Lab File: BM020566.D

Acq: 25 May 2019 06:20

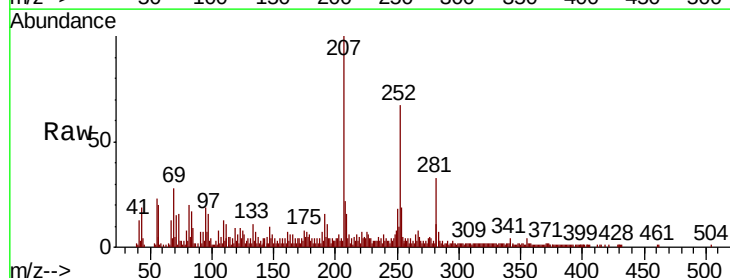
Tgt Ion:252 Resp: 107313

Ion Ratio Lower Upper

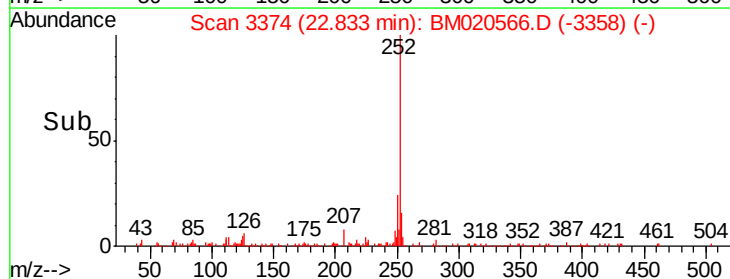
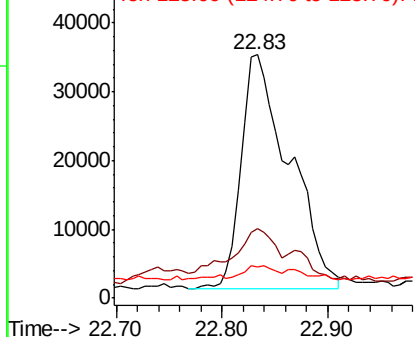
252 100

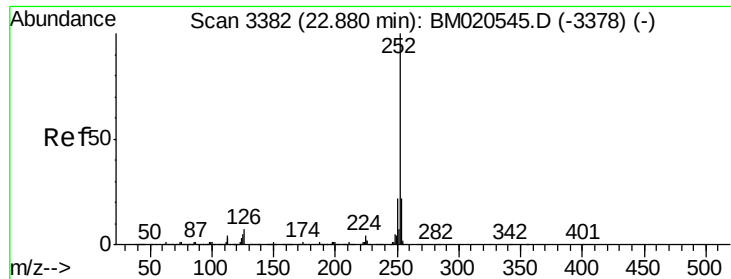
253 28.4 17.1 25.7#

125 12.6 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: 3.240 ng

RT: 22.83 min Scan# 3374

Delta R.T. -0.05 min

Lab File: BM020566.D

Acq: 25 May 2019 06:20

Instrument :

BNA_M

ClientSampleId :

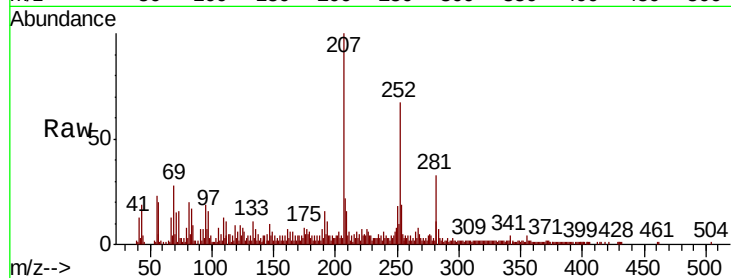
Tot Ion:252 Resp: 106523

Ion Ratio Lower Upper

252 100

253 28.4 17.6 26.4#

125 12.6 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

