

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060820\
 Data File : BM026299.D
 Acq On : 08 Jun 2020 22:34
 Operator : JU/CG
 Sample : L2815-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OR-02-060520

Quant Time: Jun 09 01:26:19 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM060520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 08 15:00:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	239734	20.00	ng	0.01
21) Naphthalene-d8	10.21	136	962678	20.00	ng	0.00
39) Acenaphthene-d10	14.10	164	531465	20.00	ng	0.00
64) Phenanthrene-d10	16.85	188	917271	20.00	ng	0.00
76) Chrysene-d12	21.06	240	736221	20.00	ng	0.00
86) Perylene-d12	23.17	264	796631	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.09	112	1465065	108.05	ng	0.01
7) Phenol-d6	6.66	99	2096416	106.77	ng	0.02
23) Nitrobenzene-d5	8.60	82	1391407	70.97	ng	0.00
42) 2,4,6-Tribromophenol	15.60	330	641937	99.71	ng	0.01
45) 2-Fluorobiphenyl	12.71	172	2863713	81.79	ng	0.00
79) Terphenyl-d14	19.50	244	2937836	77.46	ng	0.00

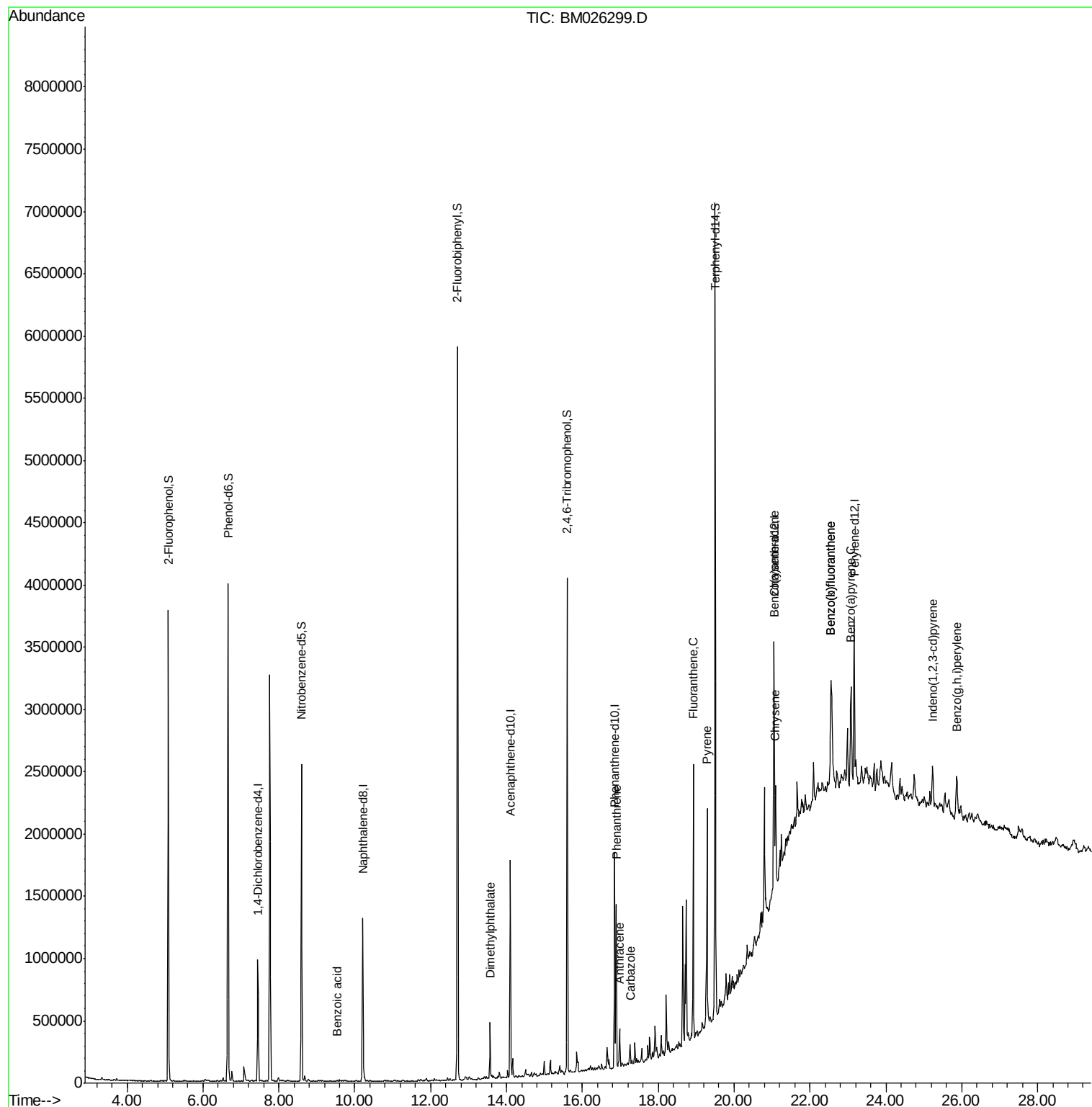
Target Compounds				Qvalue		
32) Benzoic acid	9.53	122	592	5.215	ng	# 46
50) Dimethylphthalate	13.57	163	245584	6.318	ng	99
71) Phenanthrene	16.89	178	708717	14.837	ng	98
72) Anthracene	16.99	178	176038	3.693	ng	98
73) Carbazole	17.26	167	90953	2.012	ng	98
75) Fluoranthene	18.92	202	1196876	21.855	ng	99
78) Pyrene	19.29	202	1043291	21.447	ng	99
81) Benzo(a)anthracene	21.04	228	476591	10.785	ng	98
83) Chrysene	21.09	228	448331	10.646	ng	96
87) Indeno(1,2,3-cd)pyrene	25.23	276	309725	6.721	ng	95
88) Benzo(b)fluoranthene	22.55	252	591828	12.350	ng	# 91
89) Benzo(k)fluoranthene	22.55	252	591828	12.712	ng	# 90
90) Benzo(a)pyrene	23.07	252	447002	10.502	ng	# 92
92) Benzo(a,h,i)perylene	25.87	276	324493	8.864	ng	98

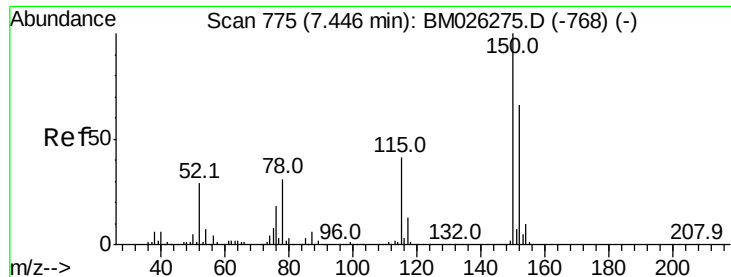
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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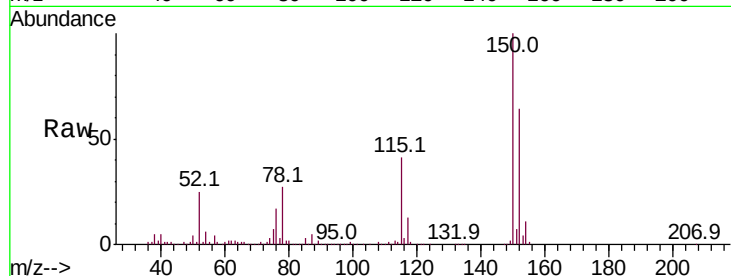


#1

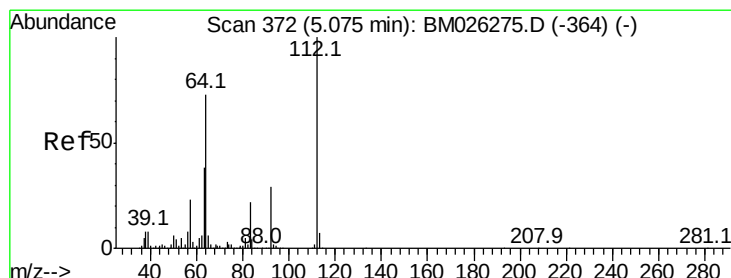
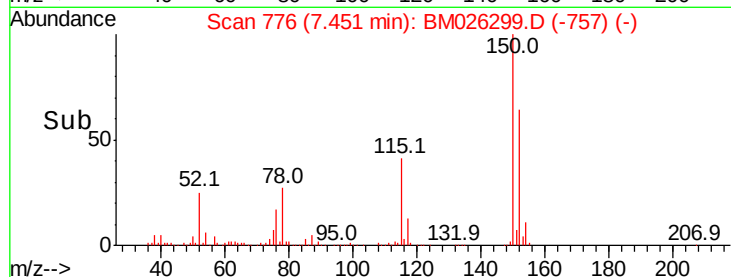
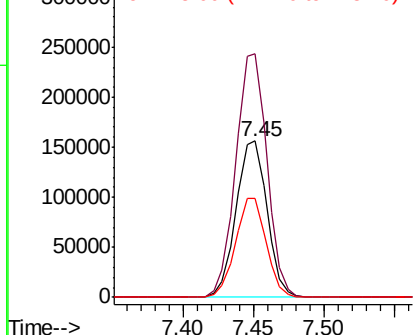
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.45 min Scan# 776
Delta R.T. 0.01 min
Lab File: BM026299.D
Acq: 08 Jun 2020 22:34

Instrument :
BNA_M
ClientSampleId :
OR-02-060520

Tot Ion:152 Resp: 239734
Ion Ratio Lower Upper
152 100
150 156.1 122.1 183.1
115 63.4 49.7 74.5



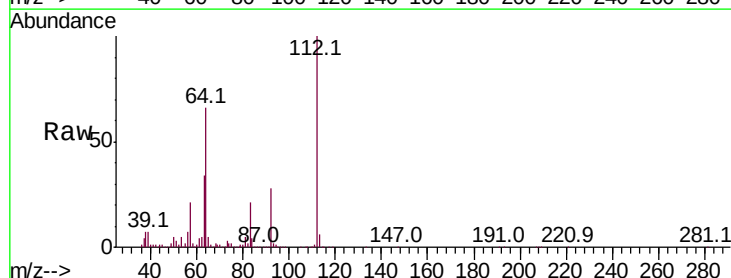
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



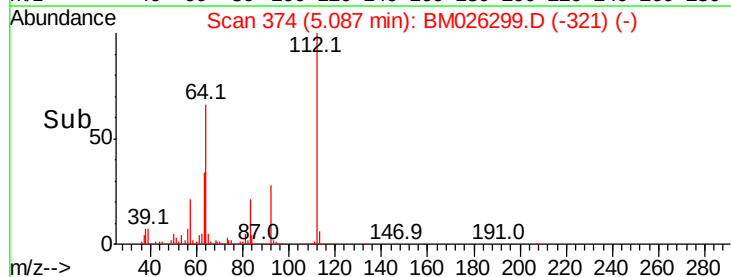
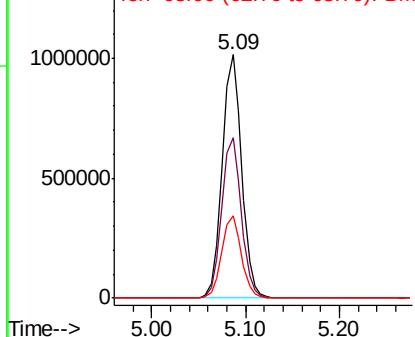
#5

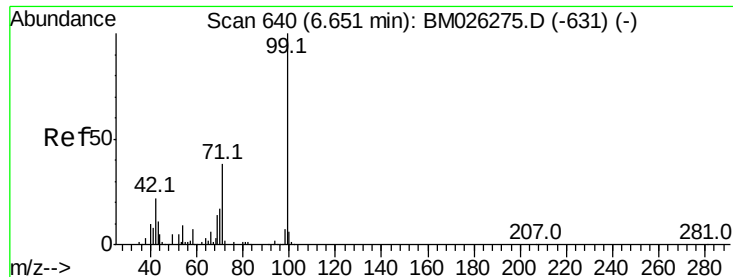
2-Fluorophenol
Concen: 108.048 ng
RT: 5.09 min Scan# 374
Delta R.T. 0.01 min
Lab File: BM026299.D
Acq: 08 Jun 2020 22:34

Tgt Ion:112 Resp: 1465065
Ion Ratio Lower Upper
112 100
64 66.0 58.1 87.1
63 34.1 30.6 45.8



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: 106.771 ng

RT: 6.66 min Scan# 642

Delta R.T. 0.02 min

Lab File: BM026299.D

Acq: 08 Jun 2020 22:34

Instrument :

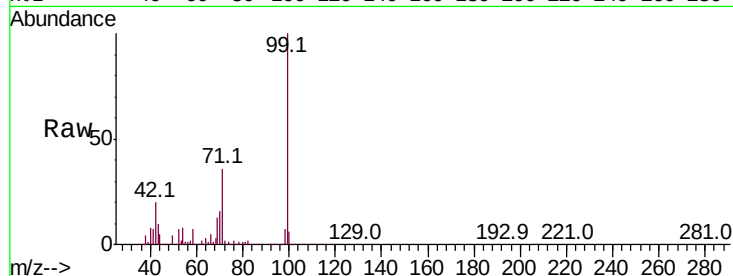
BNA_M

ClientSampleId :

OR-02-060520

Tot Ion: 99 Resp: 2096416

Ion	Ratio	Lower	Upper
99	100		
42	19.5	18.0	27.0
71	36.5	30.6	45.8

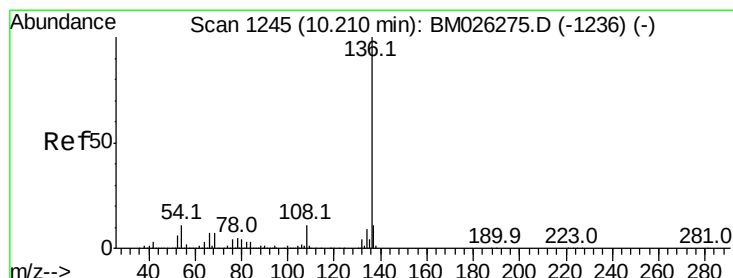
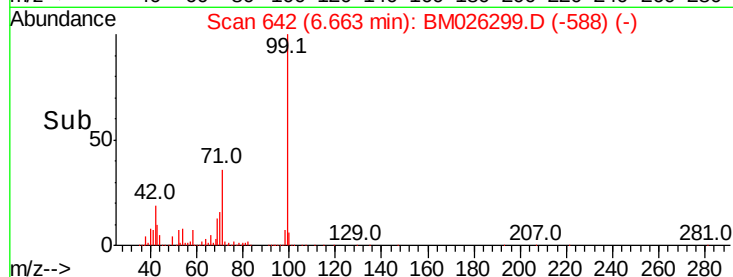
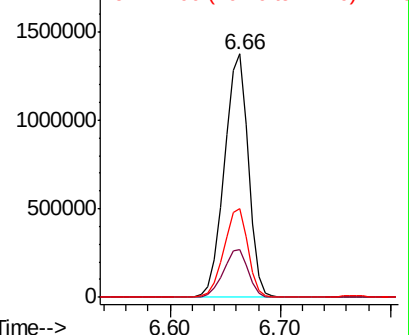


Abundance

Ion 99.00 (98.70 to 99.70): BM026275.D (-631) (-)

Ion 42.00 (41.70 to 42.70): BM026275.D (-631) (-)

Ion 71.00 (70.70 to 71.70): BM026275.D (-631) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.21 min Scan# 1245

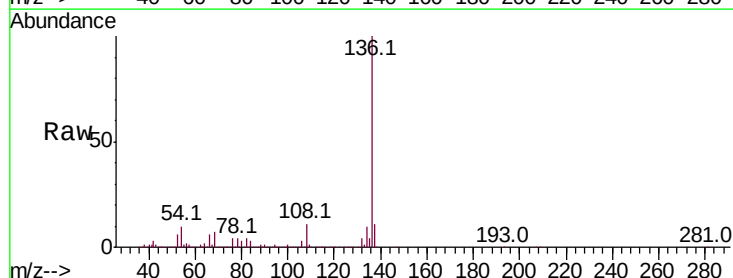
Delta R.T. 0.01 min

Lab File: BM026299.D

Acq: 08 Jun 2020 22:34

Tgt Ion: 136 Resp: 962678

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	13.0
54	10.2	9.0	13.4
68	7.2	5.6	8.4



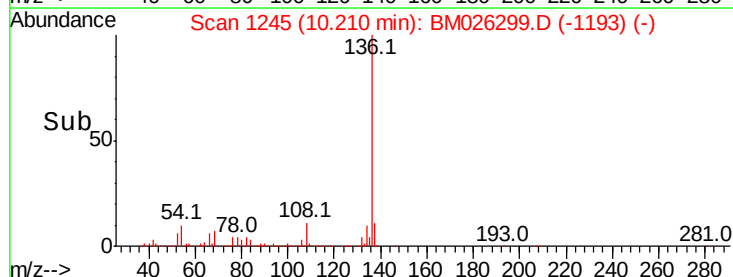
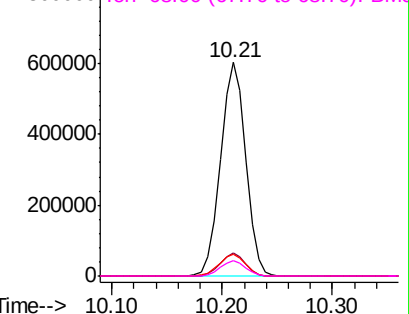
Abundance

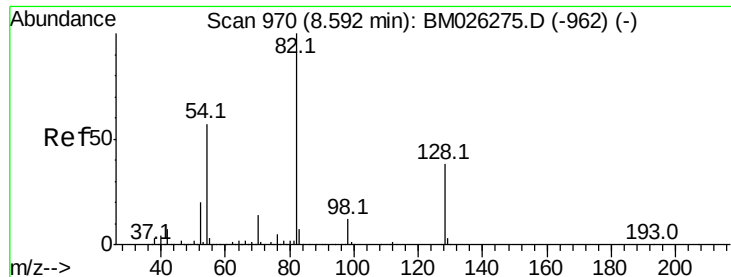
Ion 136.00 (135.70 to 136.70): BM026275.D (-1236) (-)

Ion 137.00 (136.70 to 137.70): BM026275.D (-1236) (-)

Ion 54.00 (53.70 to 54.70): BM026275.D (-1236) (-)

Ion 68.00 (67.70 to 68.70): BM026275.D (-1236) (-)

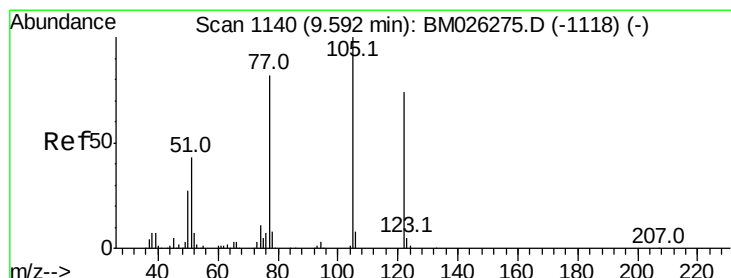
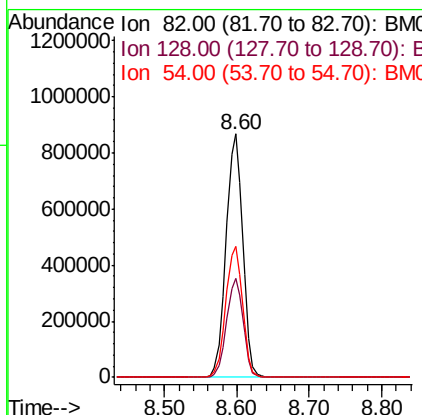
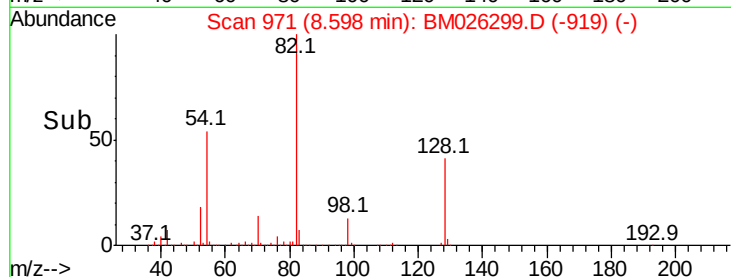
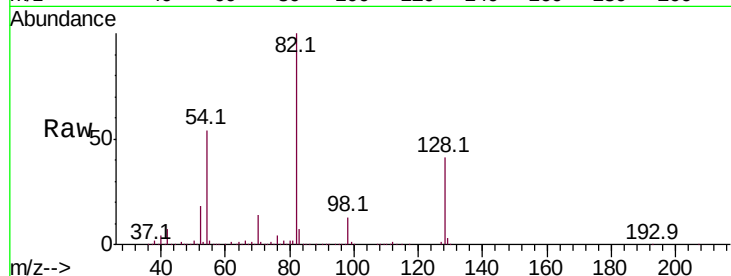




#23
Nitrobenzene-d5
Concen: 70.966 ng
RT: 8.60 min Scan# 971
Delta R.T. 0.01 min
Lab File: BM026299.D
Acq: 08 Jun 2020 22:34

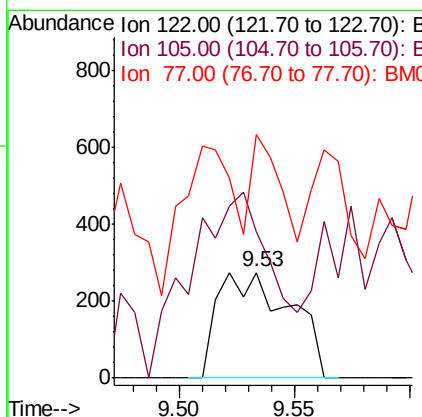
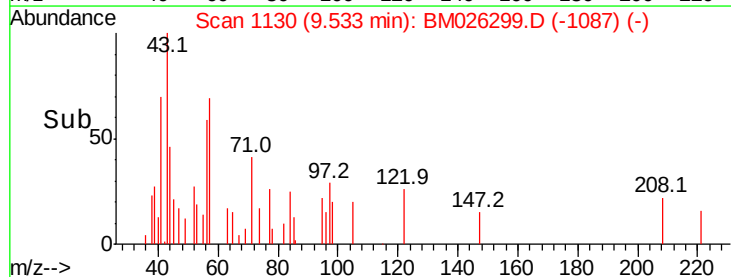
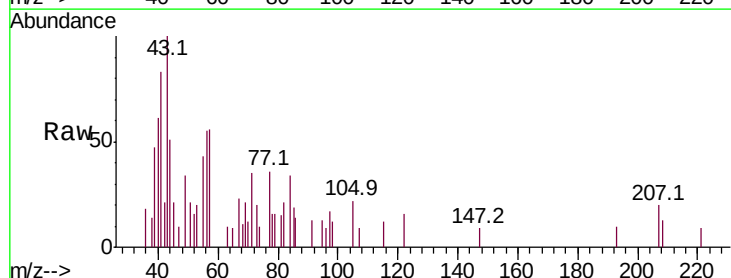
Instrument :
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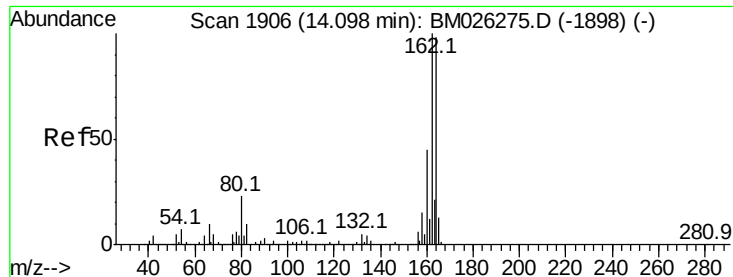
Tot Ion: 82 Resp: 1391407
Ion Ratio Lower Upper
82 100
128 40.6 30.3 45.5
54 53.8 45.4 68.2



#32
Benzoic acid
Concen: 5.215 ng
RT: 9.53 min Scan# 1130
Delta R.T. -0.05 min
Lab File: BM026299.D
Acq: 08 Jun 2020 22:34

Tgt Ion:122 Resp: 592
Ion Ratio Lower Upper
122 100
105 138.4 112.4 152.4
77 229.7 89.8 129.8#

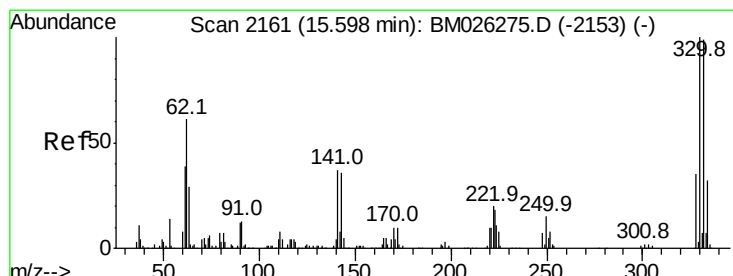
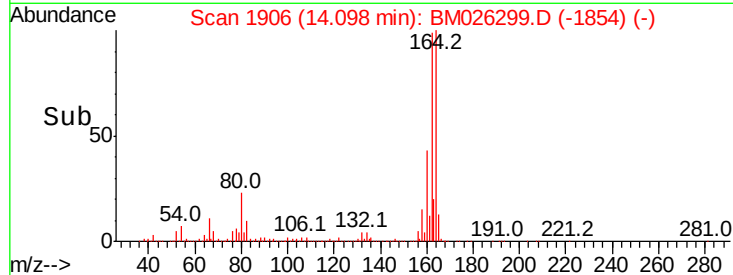
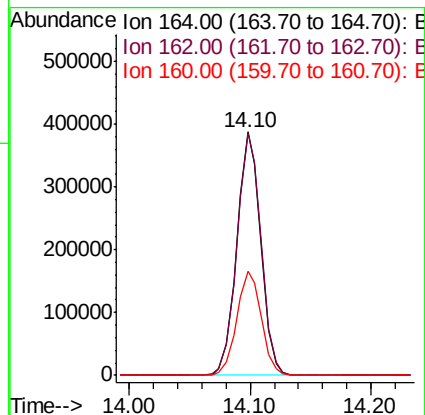
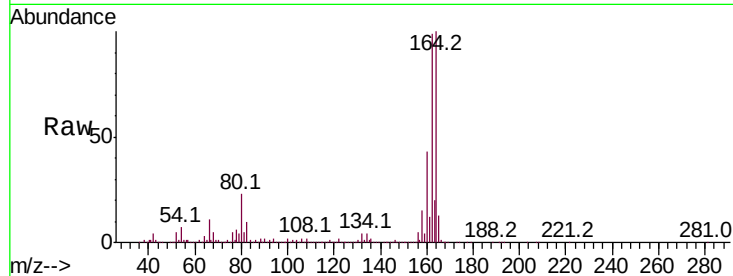




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.10 min Scan# 1906
Delta R.T. 0.01 min
Lab File: BM026299.D
Acq: 08 Jun 2020 22:34

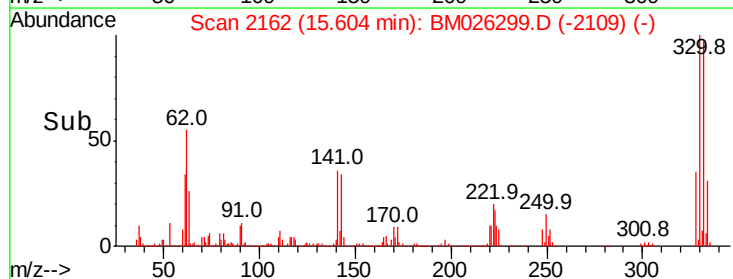
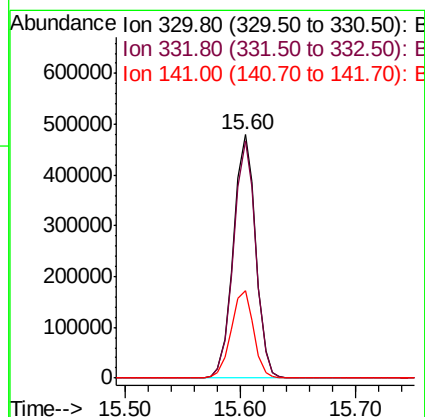
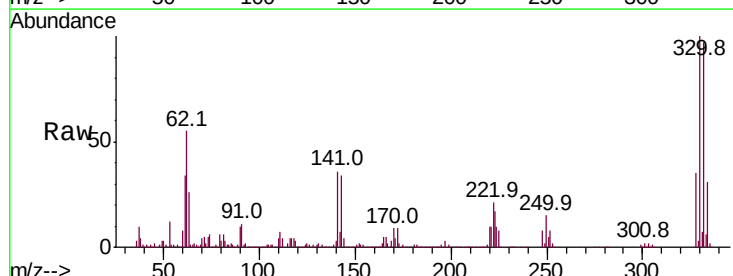
Instrument :
BNA_M
ClientSampleId :
OR-02-060520

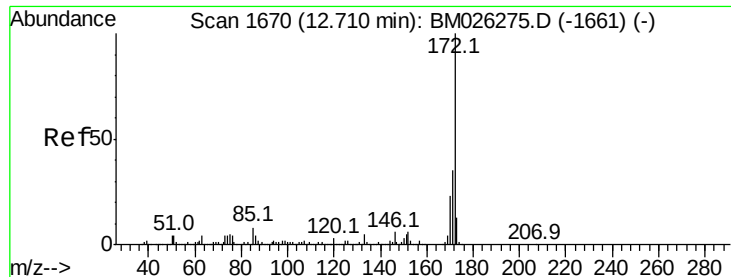
Tot Ion	Ratio	Lower	Upper
164	100		
162	99.4	81.4	122.2
160	42.8	36.4	54.6



#42
2,4,6-Tribromophenol
Concen: 99.712 ng
RT: 15.60 min Scan# 2162
Delta R.T. 0.01 min
Lab File: BM026299.D
Acq: 08 Jun 2020 22:34

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.8	78.1	117.1
141	36.1	30.0	45.0

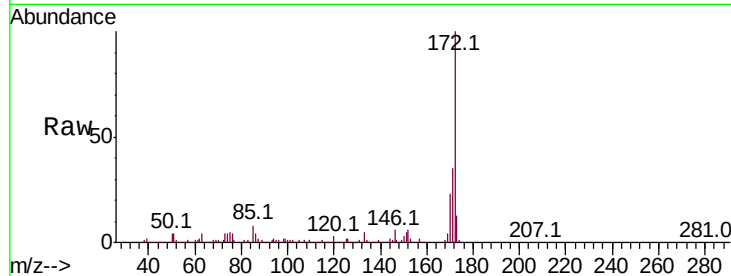




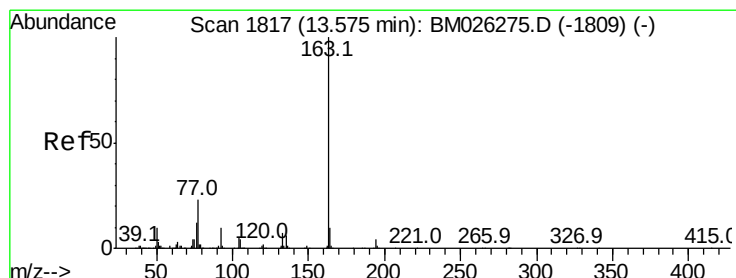
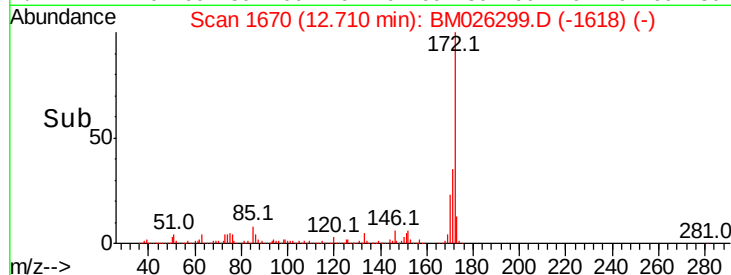
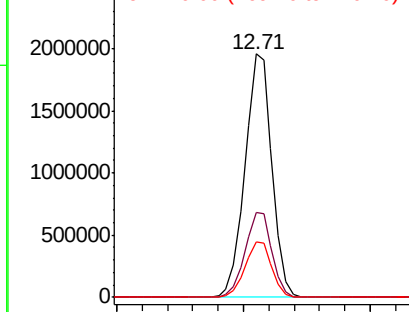
#45
2-Fluorobiphenyl
Concen: 81.793 ng
RT: 12.71 min Scan# 1670
Delta R.T. 0.01 min
Lab File: BM026299.D
Acq: 08 Jun 2020 22:34

Instrument :
BNA_M
ClientSampleId :
OR-02-060520

Tot Ion:172 Resp: 2863713
Ion Ratio Lower Upper
172 100
171 35.1 28.2 42.2
170 22.8 18.3 27.5

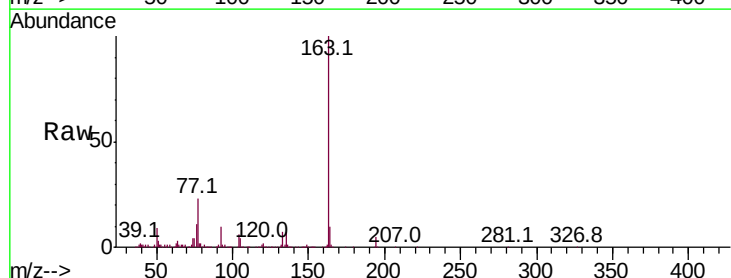


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

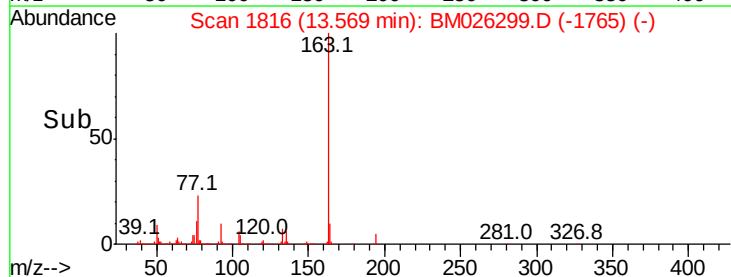
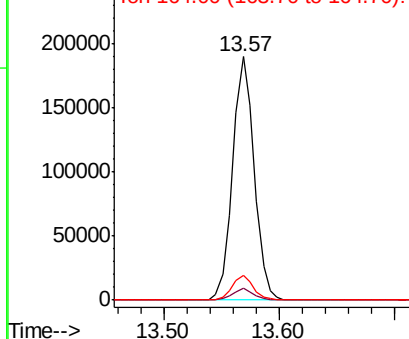


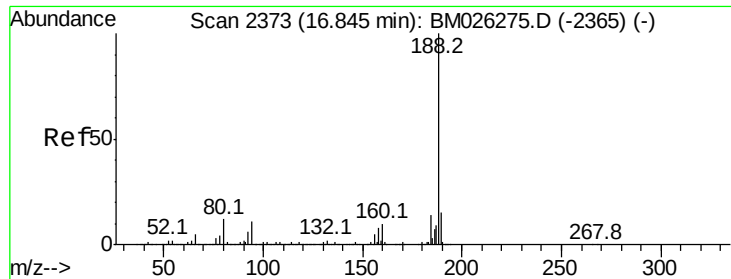
#50
Dimethylphthalate
Concen: 6.318 ng
RT: 13.57 min Scan# 1816
Delta R.T. 0.00 min
Lab File: BM026299.D
Acq: 08 Jun 2020 22:34

Tgt Ion:163 Resp: 245584
Ion Ratio Lower Upper
163 100
194 4.8 3.4 5.2
164 10.4 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

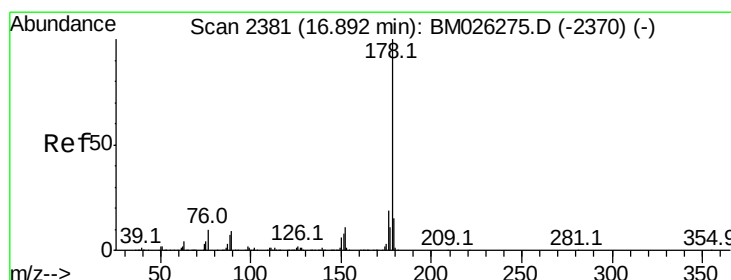
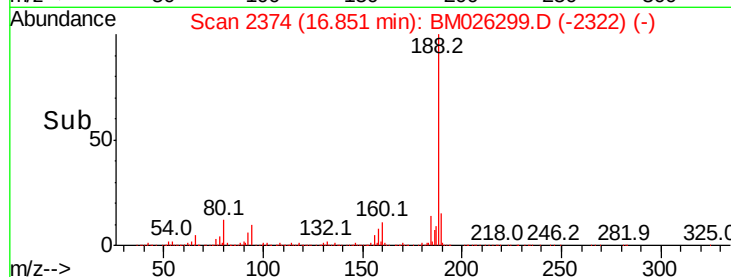
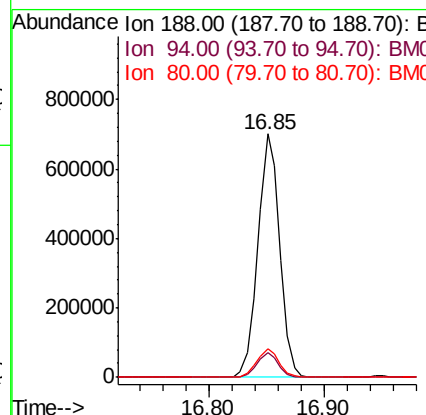
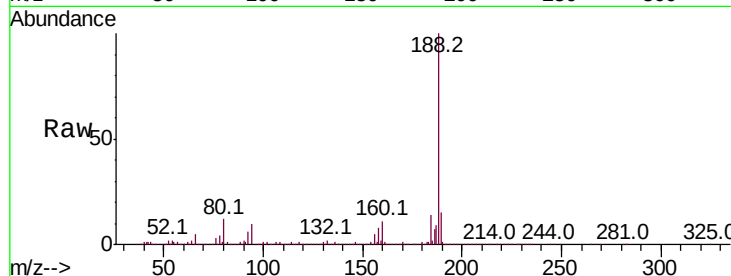




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.85 min Scan# 2374
Delta R.T. 0.01 min
Lab File: BM026299.D
Acq: 08 Jun 2020 22:34

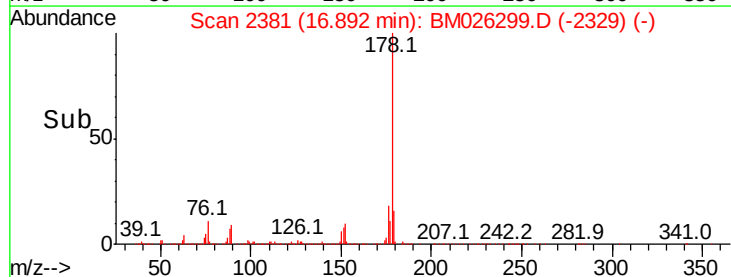
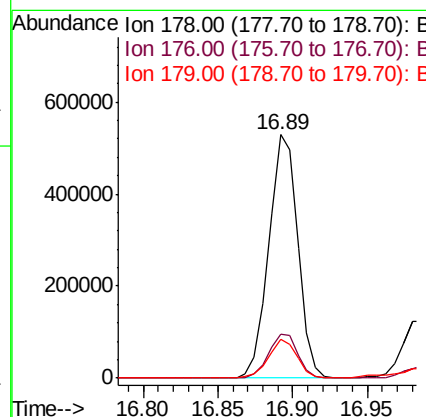
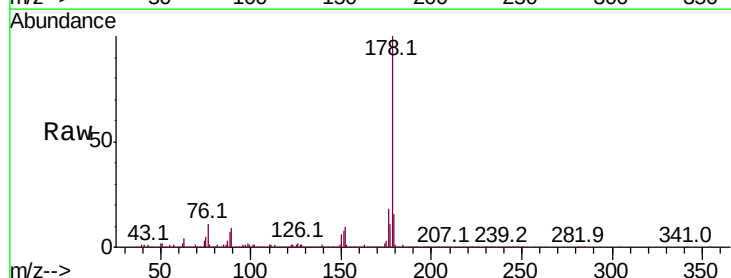
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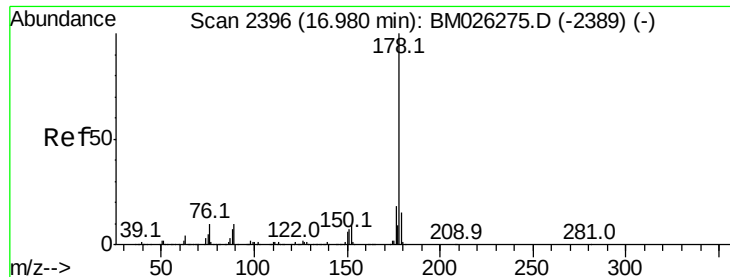
Tot Ion:188 Resp: 917271
Ion Ratio Lower Upper
188 100
94 10.2 8.6 12.8
80 11.8 9.7 14.5



#71
Phenanthrene
Concen: 14.837 ng
RT: 16.89 min Scan# 2381
Delta R.T. 0.01 min
Lab File: BM026299.D
Acq: 08 Jun 2020 22:34

Tgt Ion:178 Resp: 708717
Ion Ratio Lower Upper
178 100
176 18.2 14.9 22.3
179 16.0 12.0 18.0





#72

Anthracene

Concen: 3.693 ng

RT: 16.99 min Scan# 2397

Delta R.T. 0.01 min

Lab File: BM026299.D

Acq: 08 Jun 2020 22:34

Instrument :

BNA_M

ClientSampleId :

OR-02-060520

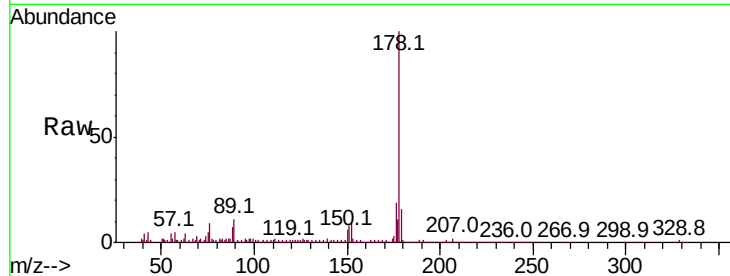
Tot Ion:178 Resp: 176038

Ion Ratio Lower Upper

178 100

176 19.1 14.4 21.6

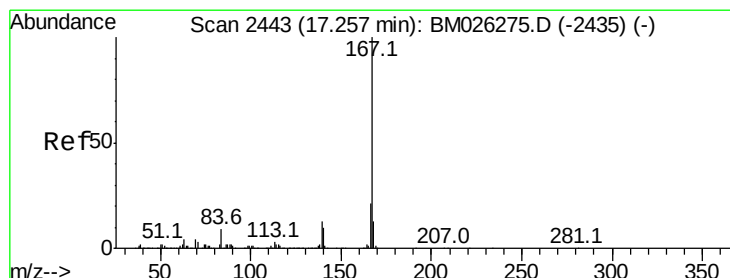
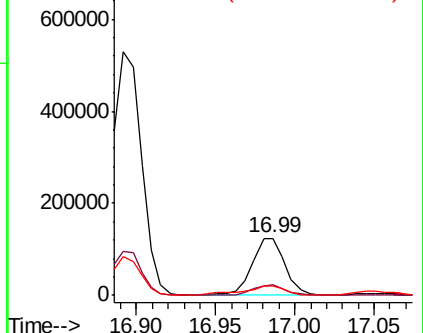
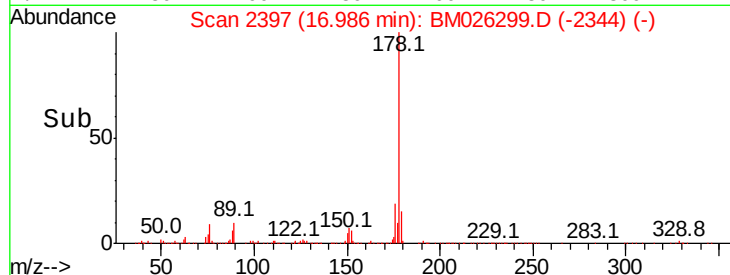
179 15.7 12.2 18.4



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



#73

Carbazole

Concen: 2.012 ng

RT: 17.26 min Scan# 2444

Delta R.T. 0.01 min

Lab File: BM026299.D

Acq: 08 Jun 2020 22:34

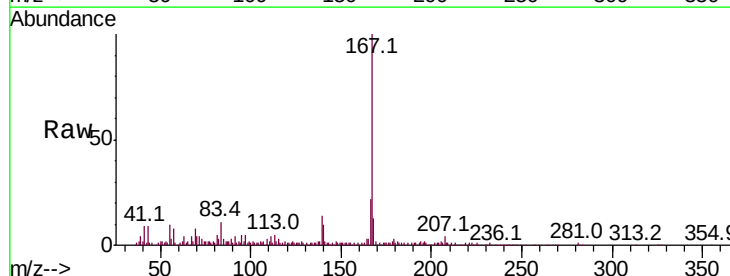
Tgt Ion:167 Resp: 90953

Ion Ratio Lower Upper

167 100

166 22.2 16.8 25.2

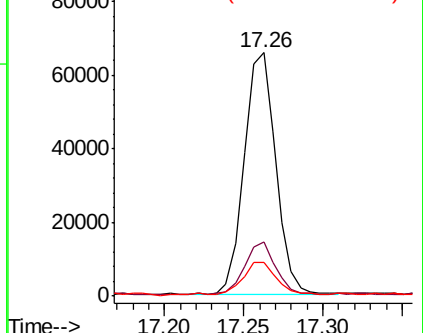
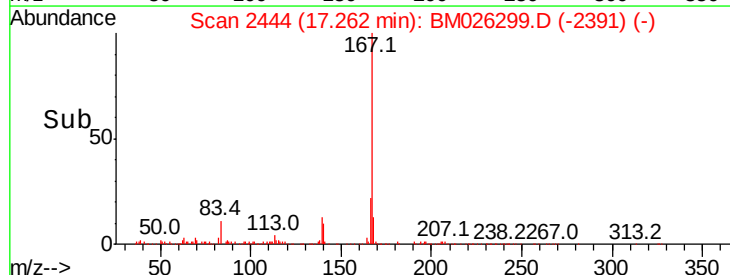
139 13.8 10.6 15.8

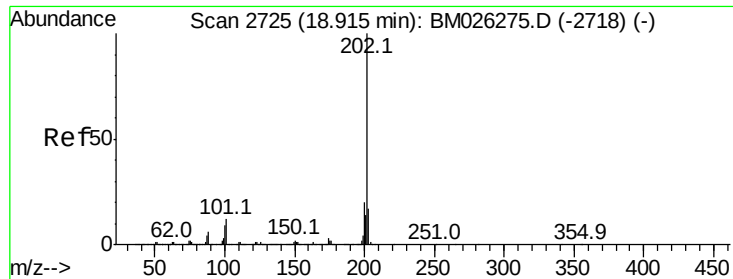


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 21.855 ng

RT: 18.92 min Scan# 2726

Delta R.T. 0.01 min

Lab File: BM026299.D

Acq: 08 Jun 2020 22:34

Instrument :

BNA_M

ClientSampleId :

OR-02-060520

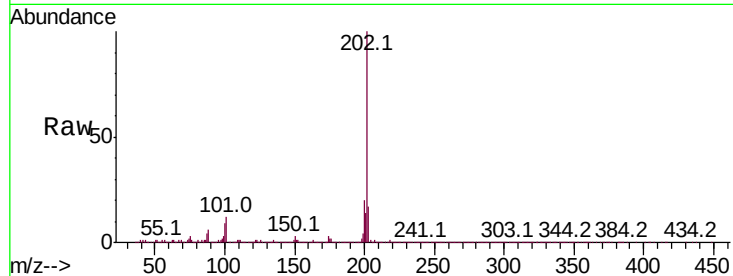
Tot Ion:202 Resp: 1196876

Ion Ratio Lower Upper

202 100

101 11.5 0.0 31.6

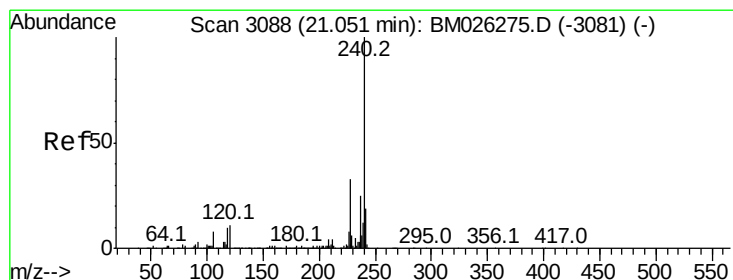
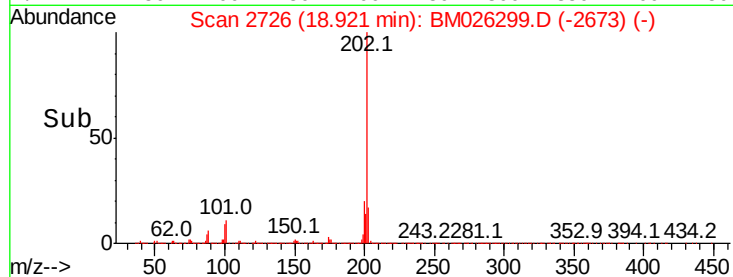
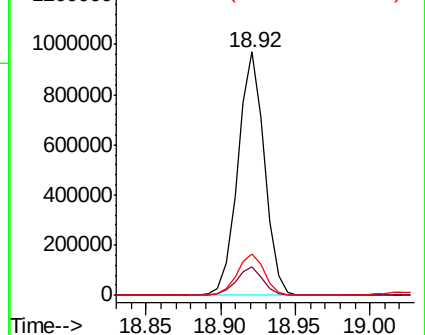
203 17.1 0.0 37.4



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: 21.06 min Scan# 3089

Delta R.T. 0.01 min

Lab File: BM026299.D

Acq: 08 Jun 2020 22:34

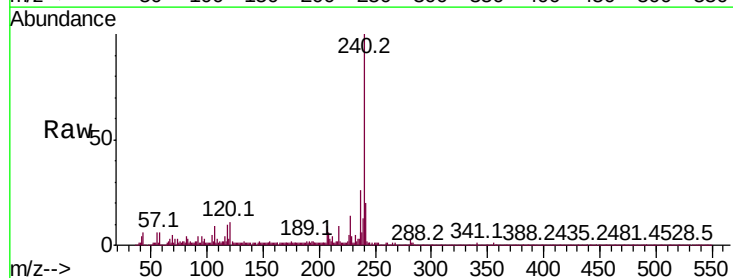
Tgt Ion:240 Resp: 736221

Ion Ratio Lower Upper

240 100

120 11.3 8.9 13.3

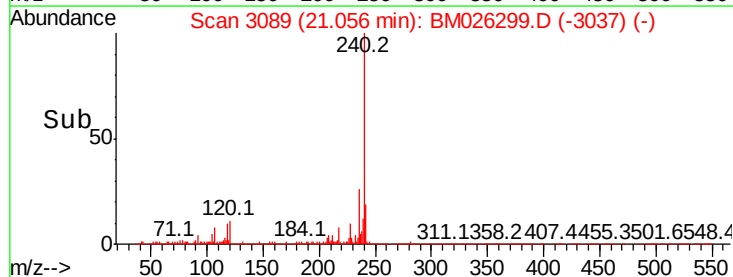
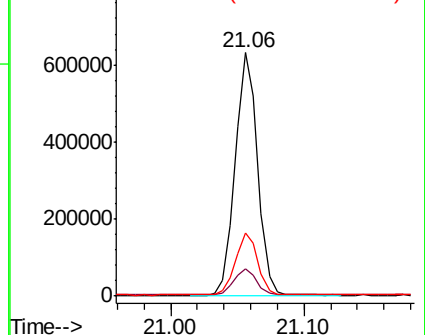
236 25.9 19.7 29.5

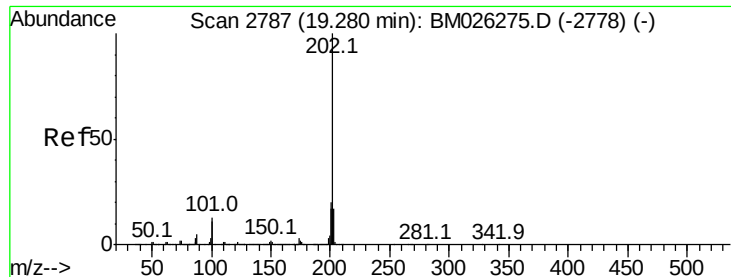


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 21.447 ng

RT: 19.29 min Scan# 2788

Delta R.T. 0.01 min

Lab File: BM026299.D

Acq: 08 Jun 2020 22:34

Instrument :

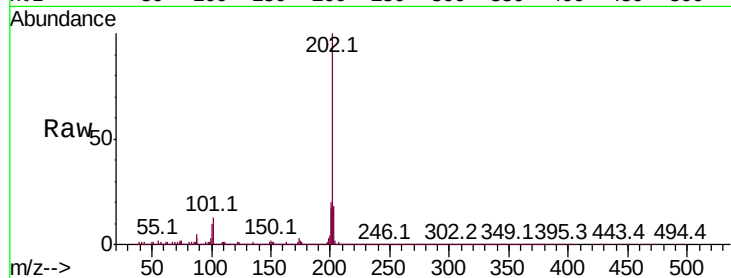
BNA_M

ClientSampleId :

OR-02-060520

Tot Ion:202 Resp: 1043291

Ion	Ratio	Lower	Upper
202	100		
200	20.0	16.2	24.4
203	17.6	13.8	20.8

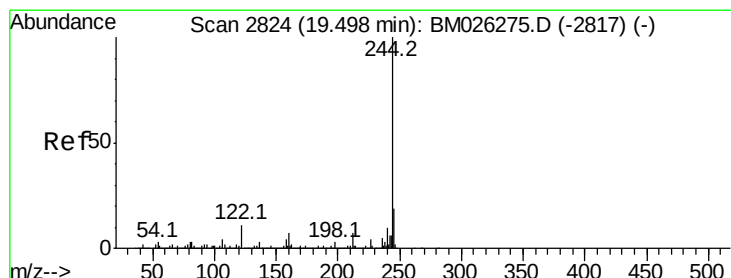
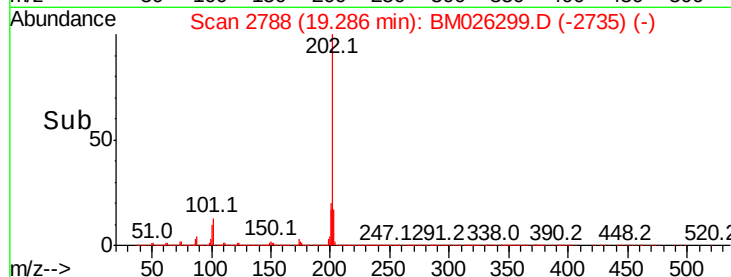
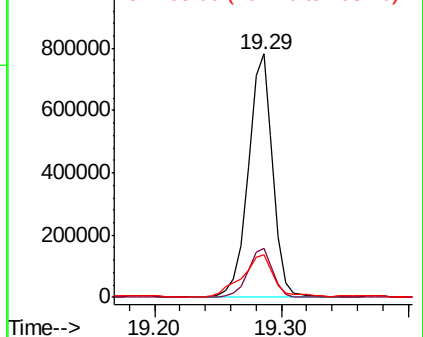


Abundance

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: 77.461 ng

RT: 19.50 min Scan# 2825

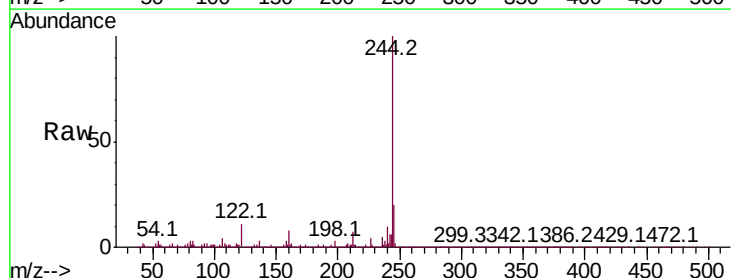
Delta R.T. 0.01 min

Lab File: BM026299.D

Acq: 08 Jun 2020 22:34

Tgt Ion:244 Resp: 2937836

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.7	8.5
122	11.1	9.1	13.7

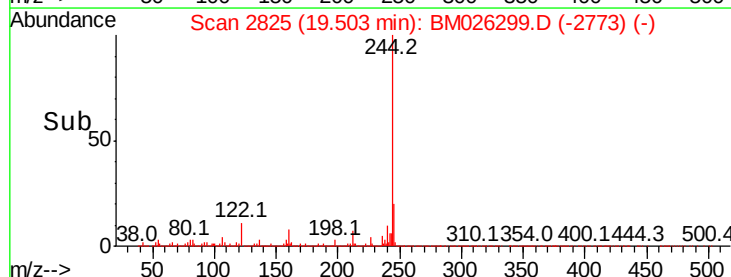
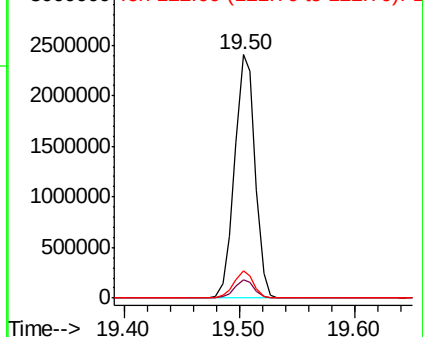


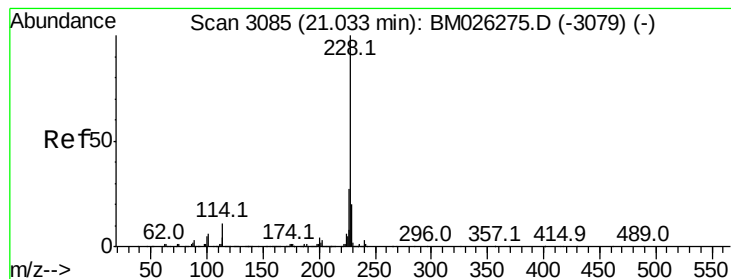
Abundance

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: 10.785 ng

RT: 21.04 min Scan# 3087

Delta R.T. 0.01 min

Lab File: BM026299.D

Acq: 08 Jun 2020 22:34

Instrument :

BNA_M

ClientSampleId :

OR-02-060520

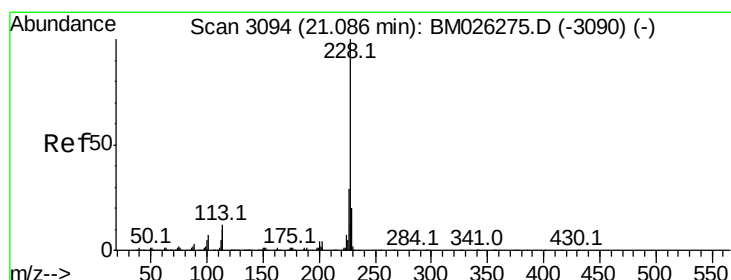
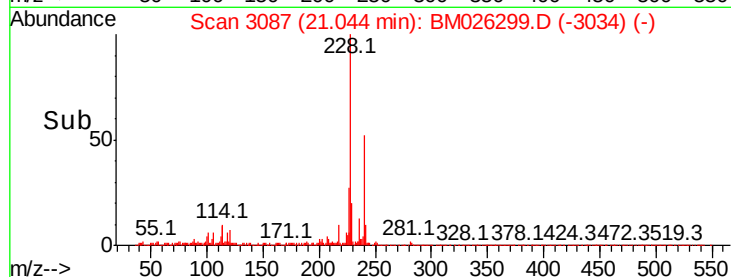
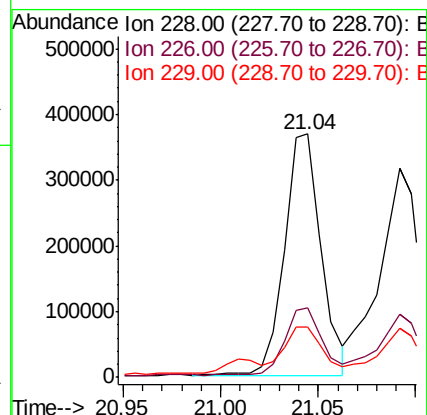
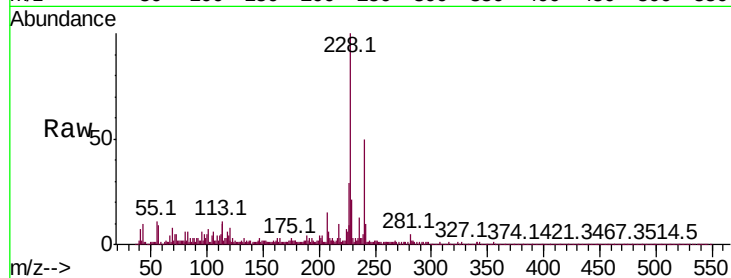
Tot Ion:228 Resp: 476591

Ion Ratio Lower Upper

228 100

226 28.5 21.7 32.5

229 20.5 15.9 23.9



#83

Chrysene

Concen: 10.646 ng

RT: 21.09 min Scan# 3095

Delta R.T. 0.01 min

Lab File: BM026299.D

Acq: 08 Jun 2020 22:34

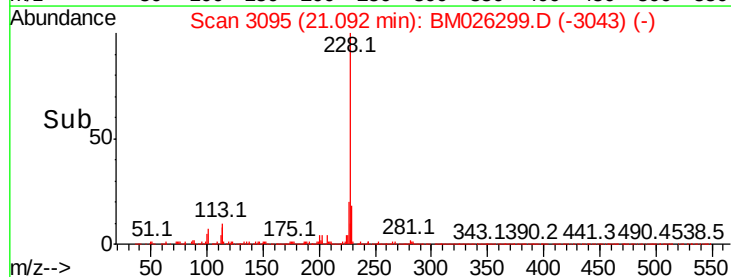
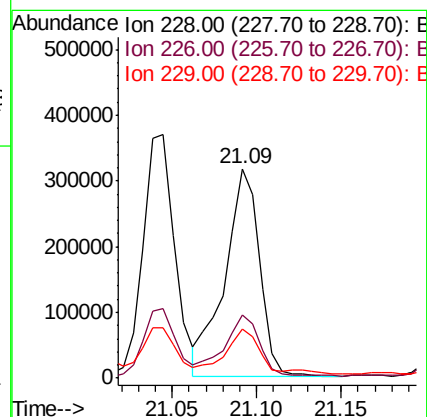
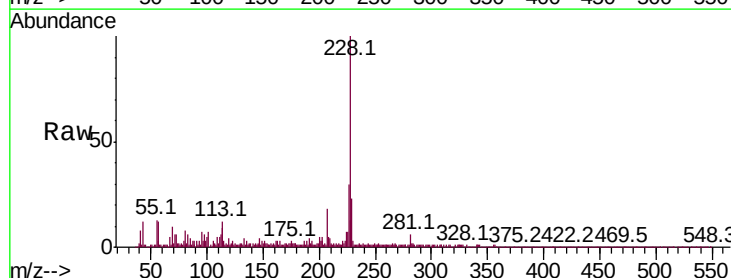
Tgt Ion:228 Resp: 448331

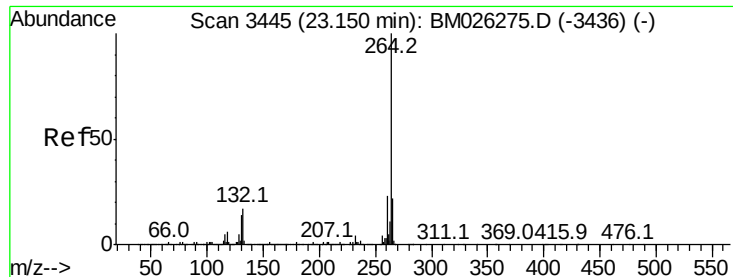
Ion Ratio Lower Upper

228 100

226 29.9 23.5 35.3

229 23.3 15.8 23.6





#86

Pervlene-d12

Concen: 20.000 ng

RT: 23.17 min Scan# 3448

Delta R.T. 0.02 min

Lab File: BM026299.D

Acq: 08 Jun 2020 22:34

Instrument :

BNA_M

ClientSampleId :

OR-02-060520

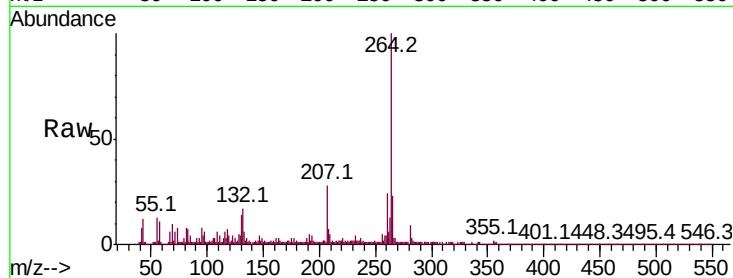
Tot Ion:264 Resp: 796631

Ion Ratio Lower Upper

264 100

260 23.6 18.6 28.0

265 23.2 18.2 27.2

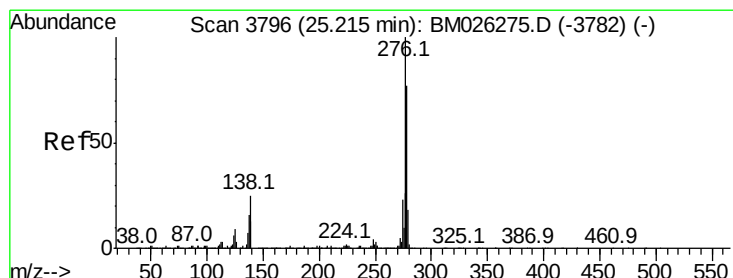
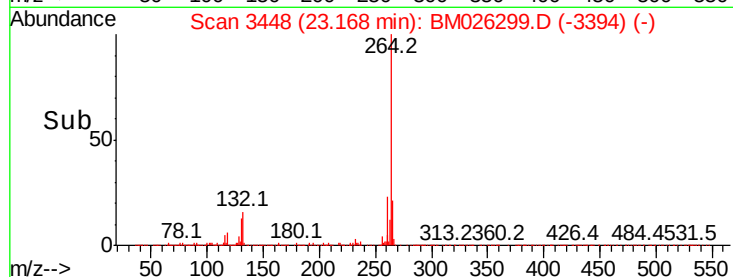
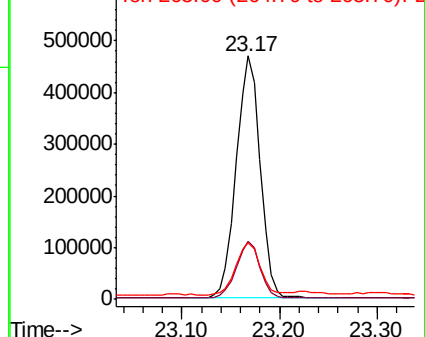


Abundance

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



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.721 ng

RT: 25.23 min Scan# 3799

Delta R.T. 0.02 min

Lab File: BM026299.D

Acq: 08 Jun 2020 22:34

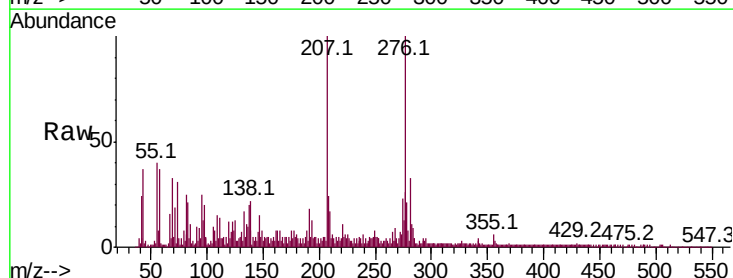
Tgt Ion:276 Resp: 309725

Ion Ratio Lower Upper

276 100

138 20.2 19.8 29.8

277 24.8 20.2 30.2

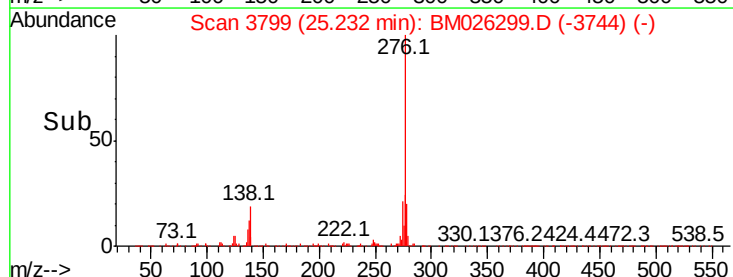
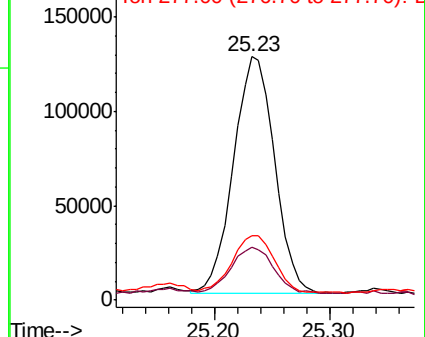


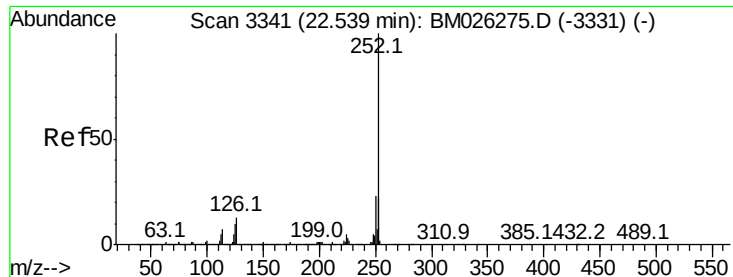
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#88

Benzo(b)fluoranthene

Concen: 12.350 ng

RT: 22.55 min Scan# 3343

Delta R.T. 0.02 min

Lab File: BM026299.D

Acq: 08 Jun 2020 22:34

Instrument :

BNA_M

ClientSampleId :

OR-02-060520

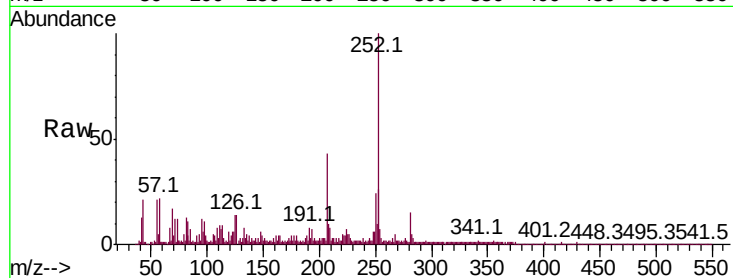
Tot Ion:252 Resp: 591828

Ion Ratio Lower Upper

252 100

253 26.1 17.6 26.4

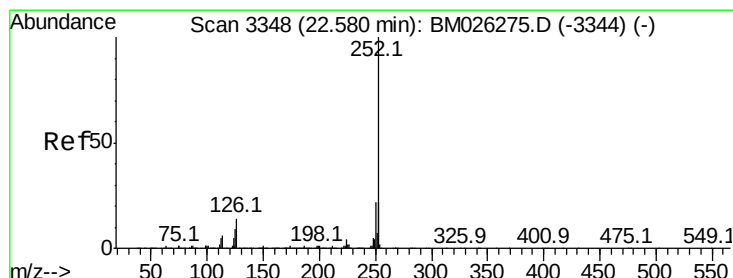
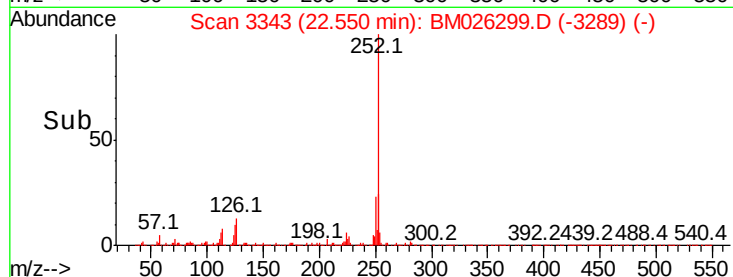
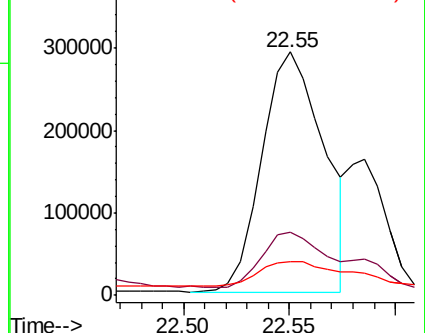
125 13.7 7.9 11.9#



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: 12.712 ng

RT: 22.55 min Scan# 3343

Delta R.T. -0.02 min

Lab File: BM026299.D

Acq: 08 Jun 2020 22:34

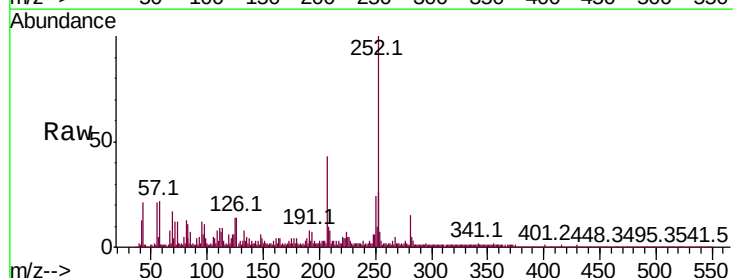
Tgt Ion:252 Resp: 591828

Ion Ratio Lower Upper

252 100

253 26.1 17.3 25.9#

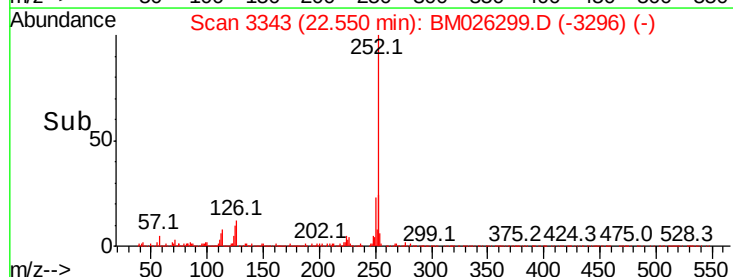
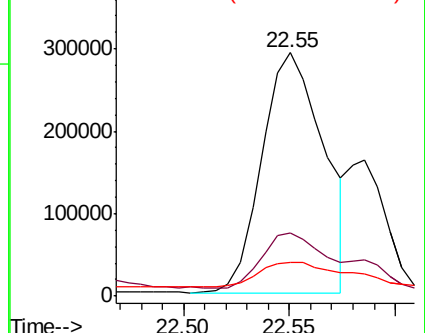
125 13.7 7.8 11.6#

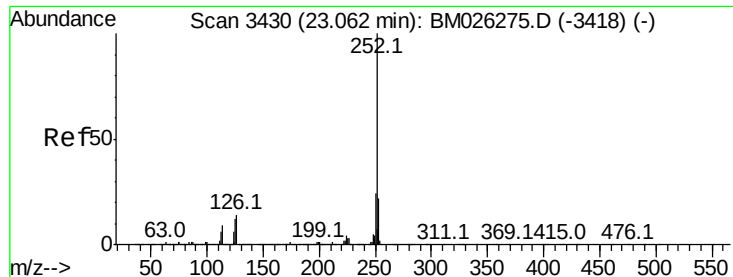


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 10.502 ng

RT: 23.07 min Scan# 3432

Delta R.T. 0.01 min

Lab File: BM026299.D

Acq: 08 Jun 2020 22:34

Instrument :

BNA_M

ClientSampleId :

OR-02-060520

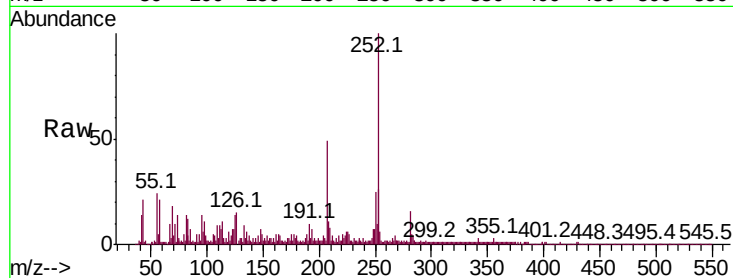
Tot Ion:252 Resp: 447002

Ion Ratio Lower Upper

252 100

253 26.1 17.5 26.3

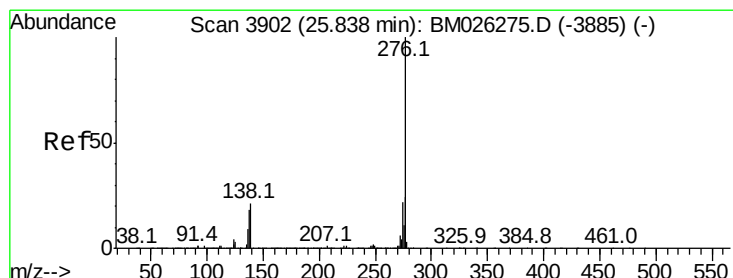
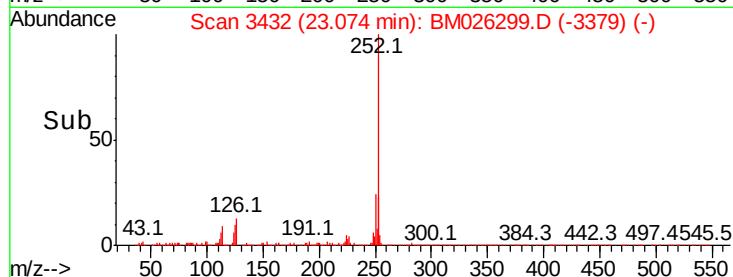
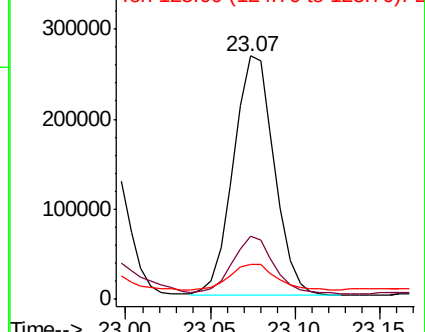
125 14.4 9.4 14.0#



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: 8.864 ng

RT: 25.87 min Scan# 3907

Delta R.T. 0.04 min

Lab File: BM026299.D

Acq: 08 Jun 2020 22:34

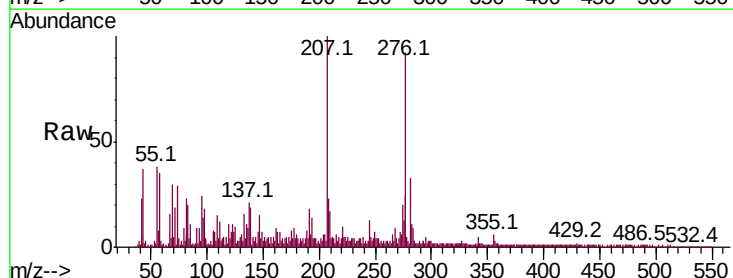
Tgt Ion:276 Resp: 324493

Ion Ratio Lower Upper

276 100

277 25.7 19.3 28.9

138 21.1 16.5 24.7



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

