

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091120\
 Data File : BP003267.D
 Acq On : 11 Sep 2020 18:59
 Operator : CG/JU
 Sample : L3975-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 BSY-SB-03-0-17

Quant Time: Sep 11 19:29:40 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP082420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 01 14:37:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	226264	20.00	ng	0.00
21) Naphthalene-d8	10.43	136	896897	20.00	ng	0.00
39) Acenaphthene-d10	14.29	164	523766	20.00	ng	0.00
64) Phenanthrene-d10	17.05	188	1055897	20.00	ng	0.00
76) Chrysene-d12	21.14	240	802707	20.00	ng	0.00
86) Perylene-d12	23.37	264	822179	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.26	112	976052	76.27	ng	0.00
7) Phenol-d6	6.84	99	1185843	73.92	ng	0.00
23) Nitrobenzene-d5	8.79	82	745900	59.95	ng	0.00
42) 2,4,6-Tribromophenol	15.79	330	576893	81.44	ng	0.00
45) 2-Fluorobiphenyl	12.91	172	1802453	50.40	ng	0.00
79) Terphenyl-d14	19.62	244	1847264	50.64	ng	0.00

Target Compounds

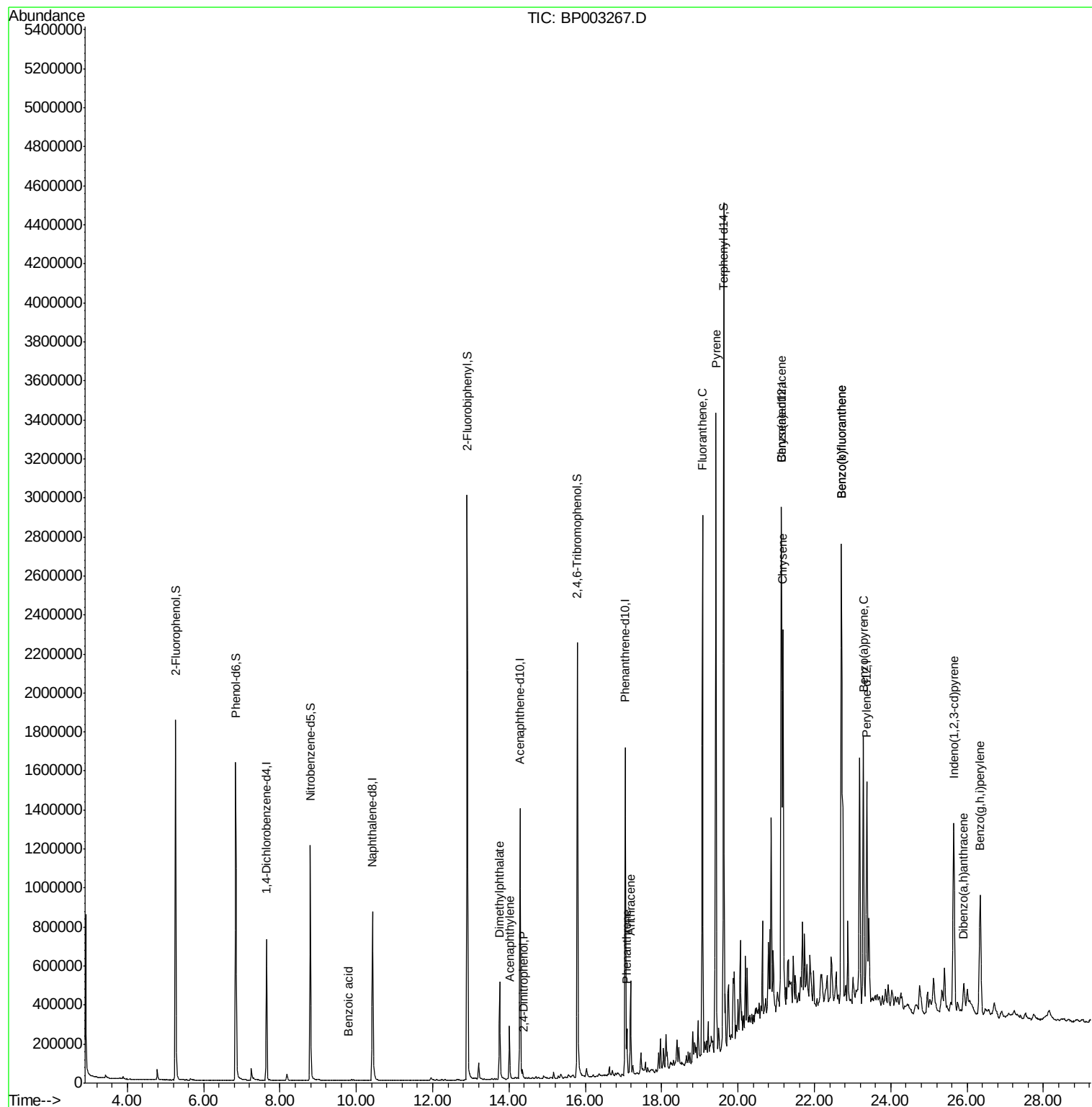
						Qvalue
32) Benzoic acid	9.79	122	46	9.001	ng	# 27
49) Acenaphthylene	14.01	152	237296	4.880	ng	100
50) Dimethylphthalate	13.75	163	400192	10.019	ng	100
54) 2,4-Dinitrophenol	14.38	184	47	7.764	ng	# 1
71) Phenanthrene	17.09	178	148671	2.598	ng	99
72) Anthracene	17.18	178	342899	6.262	ng	98
75) Fluoranthene	19.07	202	1669073	25.240	ng	99
78) Pyrene	19.42	202	2024070	38.851	ng	99
81) Benzo(a)anthracene	21.13	228	1098415	21.846	ng	96
83) Chrysene	21.17	228	1214635	25.230	ng	98
87) Indeno(1,2,3-cd)pyrene	25.64	276	817353	13.331	ng	95
88) Benzo(b)fluoranthene	22.71	252	2596487	50.811	ng	99
89) Benzo(k)fluoranthene	22.71	252	2596487	53.180	ng	99
90) Benzo(a)pyrene	23.28	252	950941	20.059	ng	98
91) Dibenzo(a,h)anthracene	25.91	278	123950	2.461	ng	97
92) Benzo(g,h,i)perylene	26.34	276	788183	15.593	ng	98

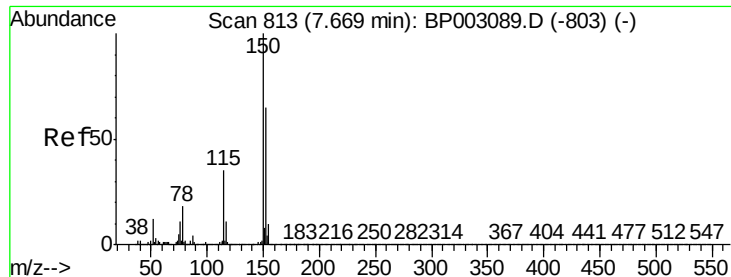
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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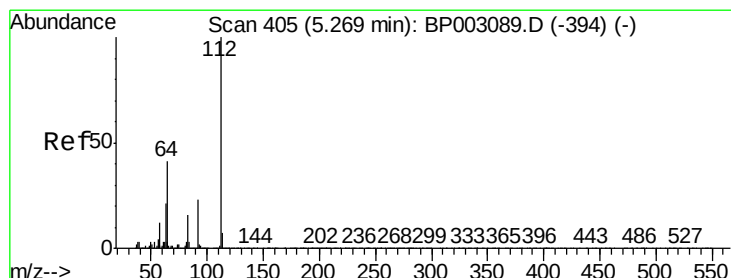
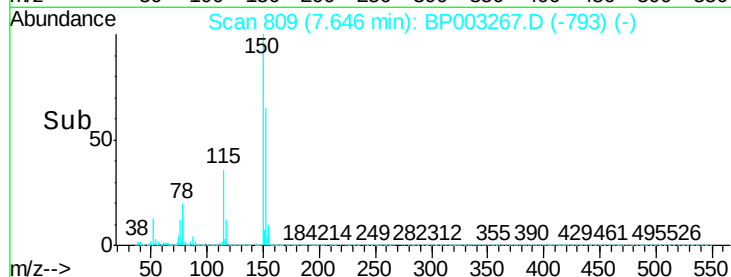
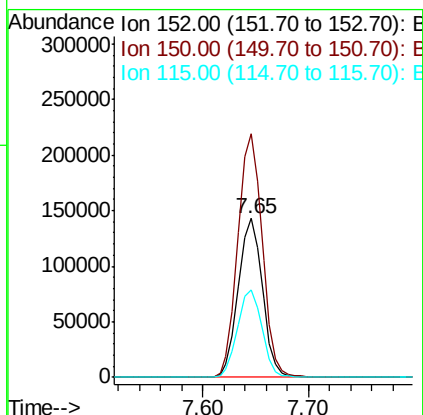
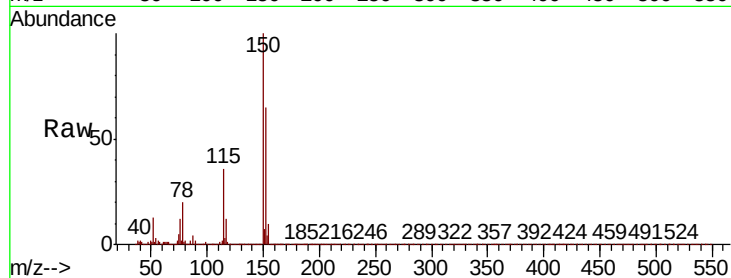


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.65 min Scan# 809
Delta R.T. -0.01 min
Lab File: BP003267.D
Acq: 11 Sep 2020 18:59

Instrument :
BNA_P
ClientSampleId :
BSY-SB-03-0-17

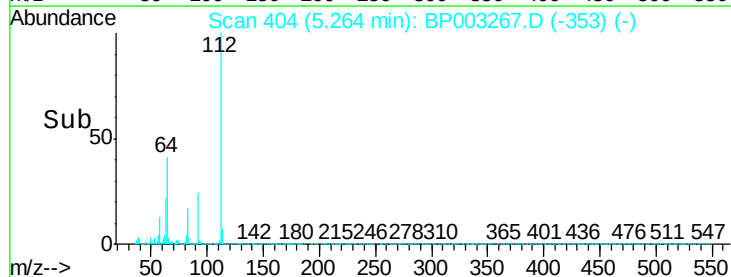
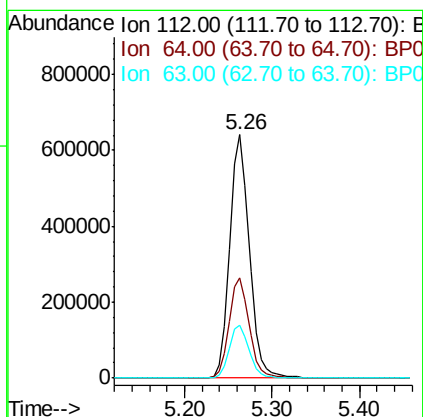
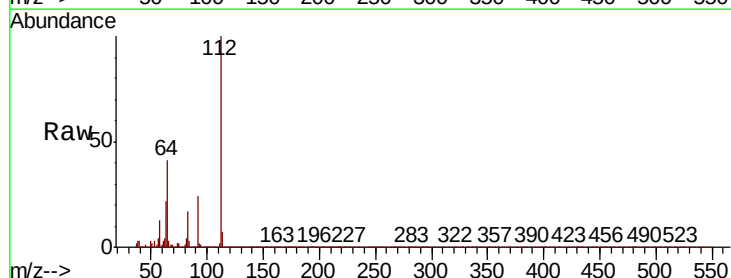
Tot Ion	Ratio	Lower	Upper
152	100		
150	153.5	123.8	185.6
115	54.9	43.8	65.6

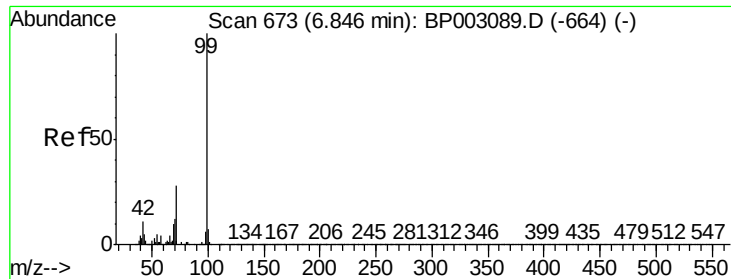


#5

2-Fluorophenol
Concen: 76.269 ng
RT: 5.26 min Scan# 404
Delta R.T. -0.00 min
Lab File: BP003267.D
Acq: 11 Sep 2020 18:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	41.2	32.8	49.2
63	21.9	17.0	25.4





#7

Phenol-d6

Concen: 73.918 ng

RT: 6.84 min Scan# 672

Delta R.T. 0.01 min

Lab File: BP003267.D

Acq: 11 Sep 2020 18:59

Instrument :

BNA_P

ClientSampleId :

BSY-SB-03-0-17

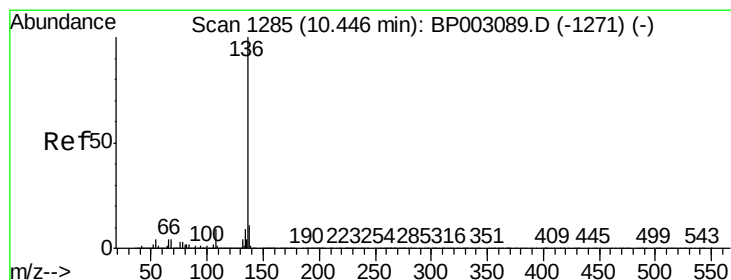
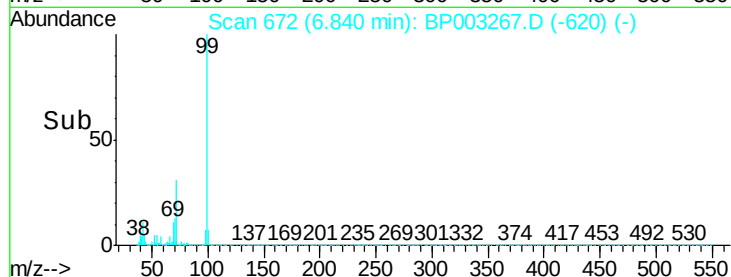
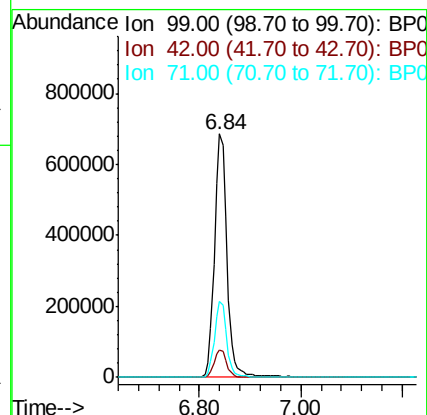
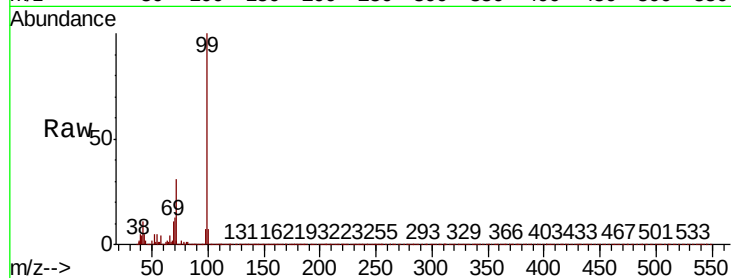
Tot Ion: 99 Resp: 1185843

Ion Ratio Lower Upper

99 100

42 11.3 8.6 13.0

71 31.2 23.4 35.2



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.43 min Scan# 1282

Delta R.T. -0.01 min

Lab File: BP003267.D

Acq: 11 Sep 2020 18:59

Tgt Ion: 136 Resp: 896897

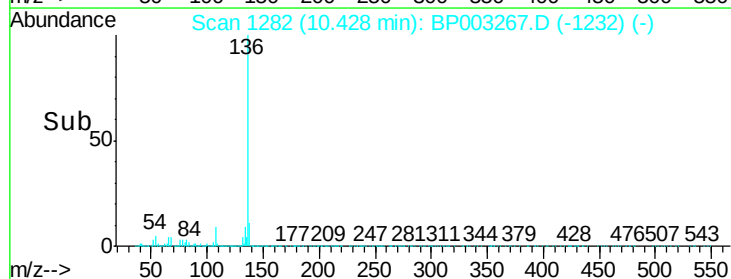
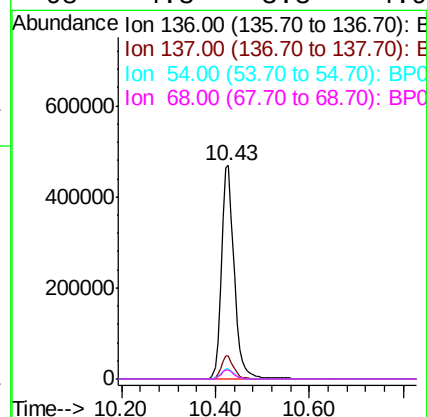
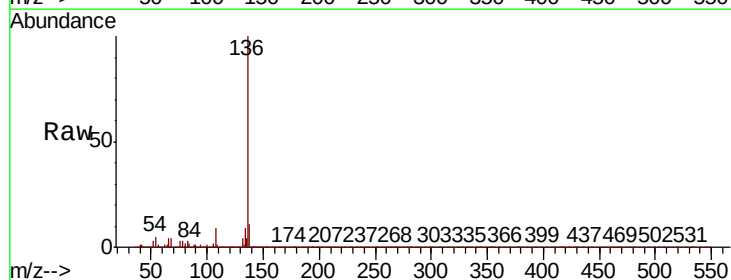
Ion Ratio Lower Upper

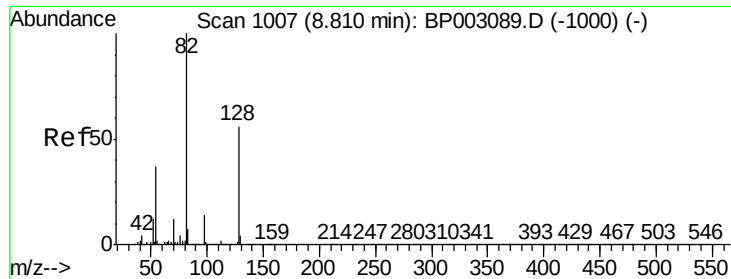
136 100

137 10.8 8.6 13.0

54 4.6 3.6 5.4

68 4.3 3.3 4.9

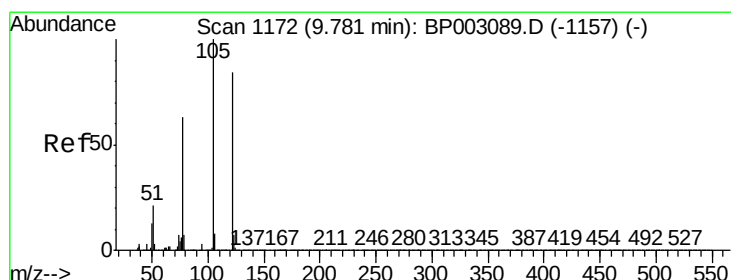
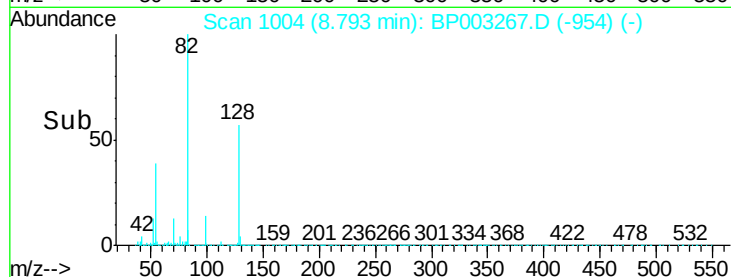
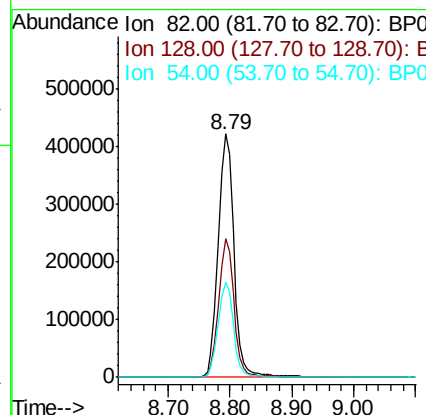
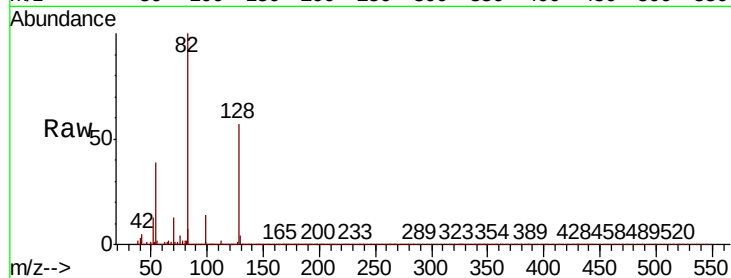




#23
 Nitrobenzene-d5
 Concen: 59.954 ng
 RT: 8.79 min Scan# 1004
 Delta R.T. -0.01 min
 Lab File: BP003267.D
 Acq: 11 Sep 2020 18:59

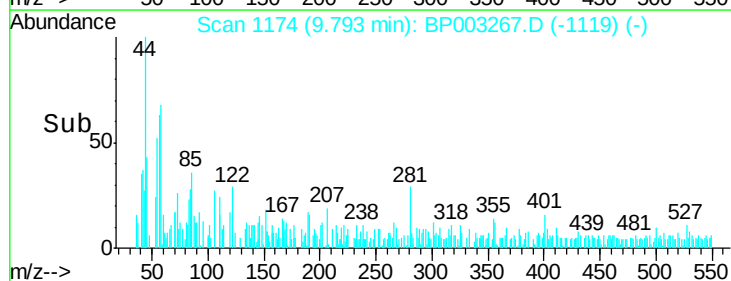
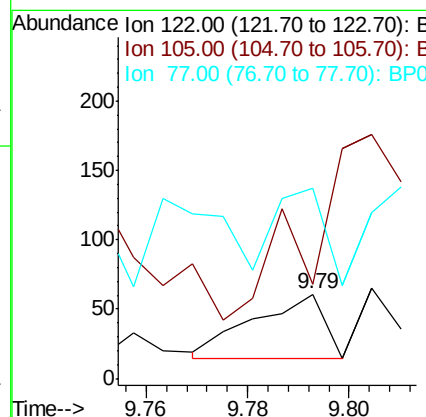
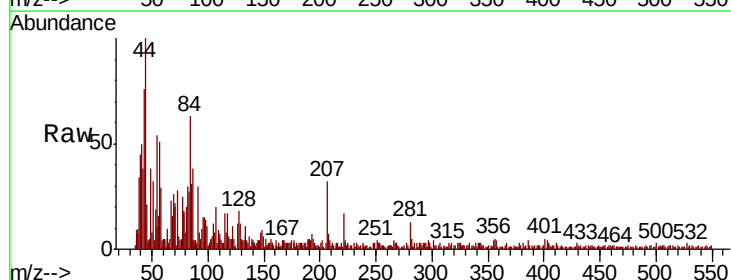
Instrument :
 BNA_P
 ClientSampleId :
 BSY-SB-03-0-17

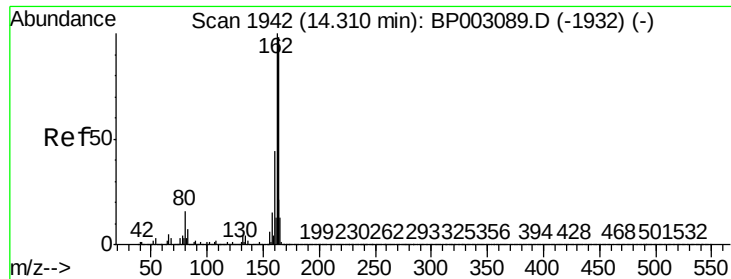
Tot Ion	82	Resp	745900
Ion Ratio	100	Lower	Upper
128	56.7	45.6	68.4
54	39.0	30.1	45.1



#32
 Benzoic acid
 Concen: 9.001 ng
 RT: 9.79 min Scan# 1174
 Delta R.T. 0.02 min
 Lab File: BP003267.D
 Acq: 11 Sep 2020 18:59

Tgt Ion	122	Resp	46
Ion Ratio	100	Lower	Upper
105	111.5	94.1	134.1
77	224.6	50.1	90.1#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.29 min Scan# 1939

Delta R.T. -0.00 min

Lab File: BP003267.D

Acq: 11 Sep 2020 18:59

Instrument :

BNA_P

ClientSampleId :

BSY-SB-03-0-17

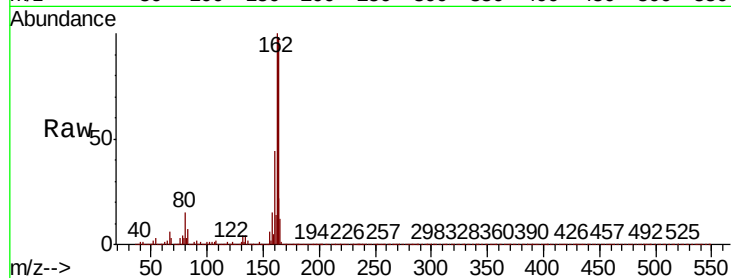
Tot Ion:164 Resp: 523766

Ion Ratio Lower Upper

164 100

162 102.0 79.4 119.2

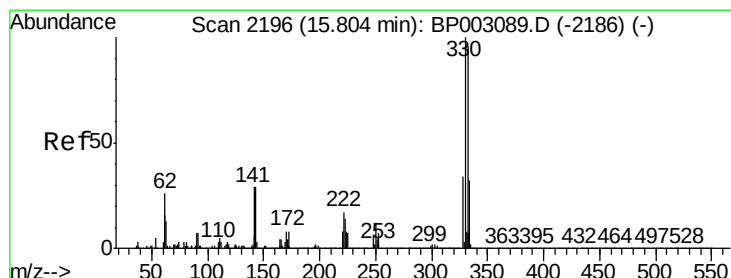
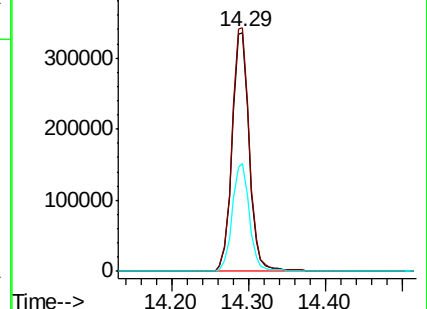
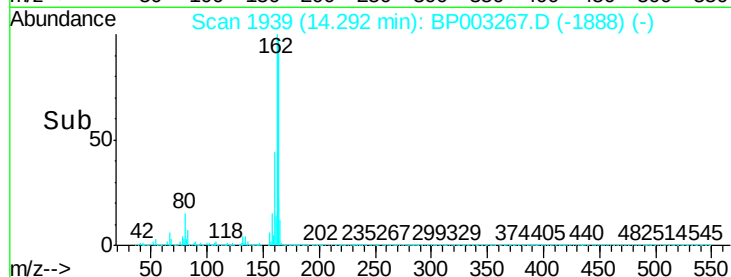
160 45.1 36.1 54.1



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 81.438 ng

RT: 15.79 min Scan# 2194

Delta R.T. -0.00 min

Lab File: BP003267.D

Acq: 11 Sep 2020 18:59

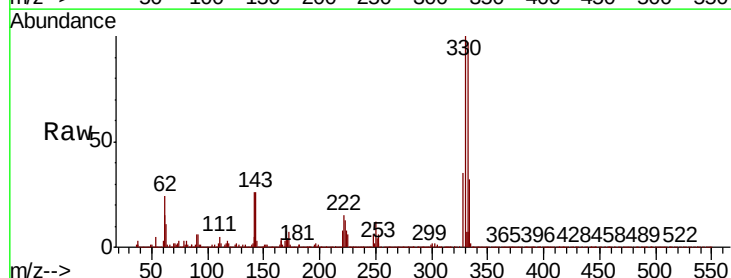
Tgt Ion:330 Resp: 576893

Ion Ratio Lower Upper

330 100

332 96.2 77.1 115.7

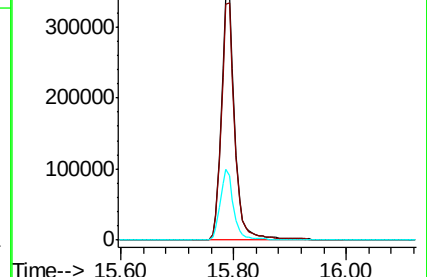
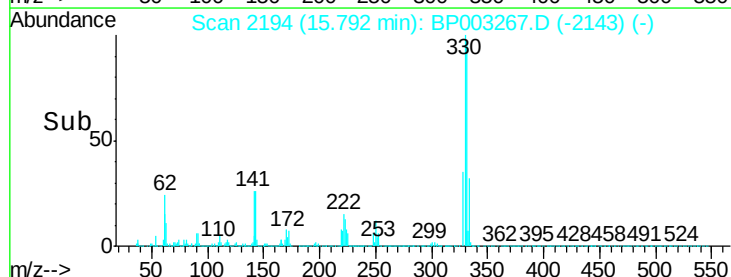
141 28.7 23.4 35.2

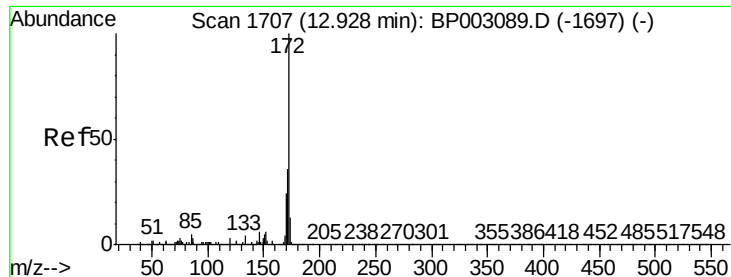


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

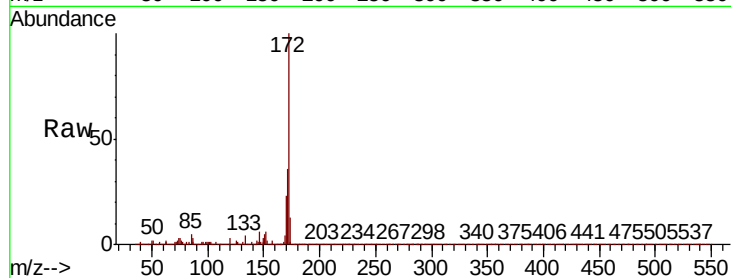




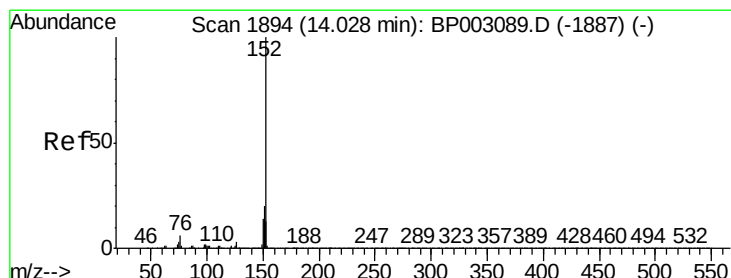
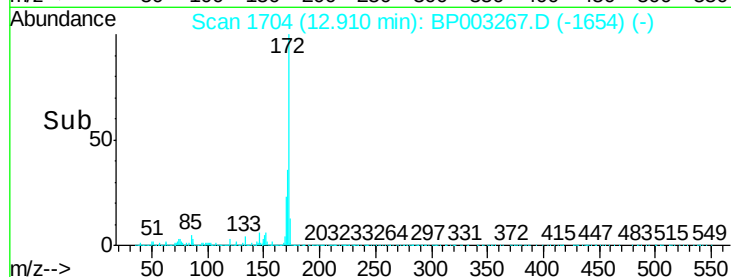
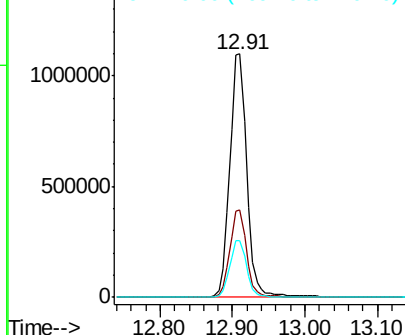
#45
2-Fluorobiphenyl
Concen: 50.397 ng
RT: 12.91 min Scan# 1704
Delta R.T. -0.01 min
Lab File: BP003267.D
Acq: 11 Sep 2020 18:59

Instrument :
BNA_P
ClientSampleId :
BSY-SB-03-0-17

Tot Ion:172 Resp: 1802453
Ion Ratio Lower Upper
172 100
171 35.8 28.5 42.7
170 23.5 19.2 28.8

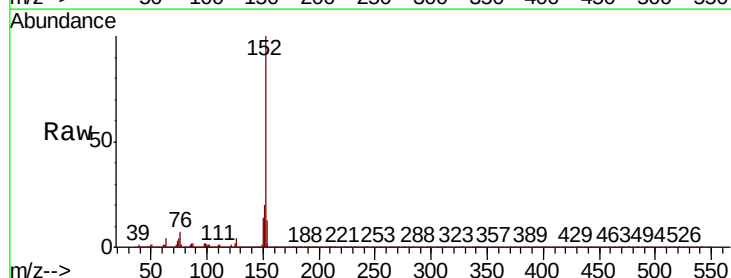


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

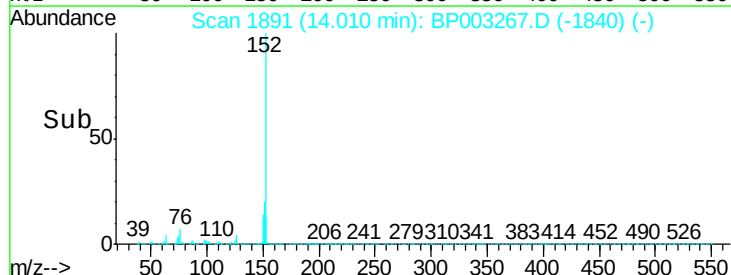
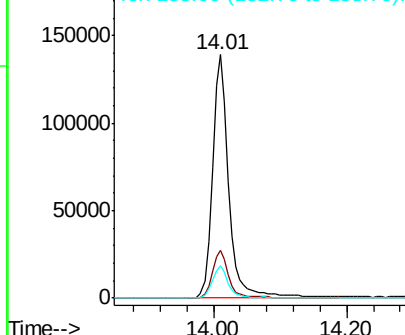


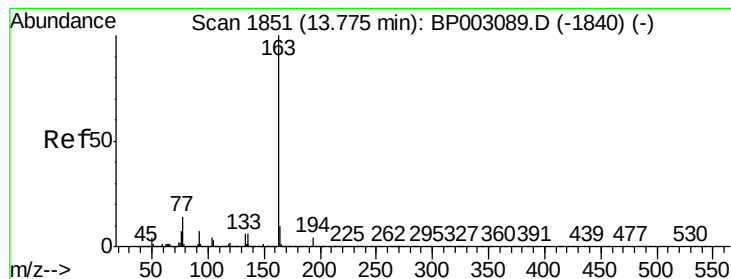
#49
Acenaphthylene
Concen: 4.880 ng
RT: 14.01 min Scan# 1891
Delta R.T. -0.00 min
Lab File: BP003267.D
Acq: 11 Sep 2020 18:59

Tgt Ion:152 Resp: 237296
Ion Ratio Lower Upper
152 100
151 19.6 15.9 23.9
153 13.1 10.5 15.7



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#50

Dimethylphthalate

Concen: 10.019 ng

RT: 13.75 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BP003267.D

Acq: 11 Sep 2020 18:59

Instrument :

BNA_P

ClientSampleId :

BSY-SB-03-0-17

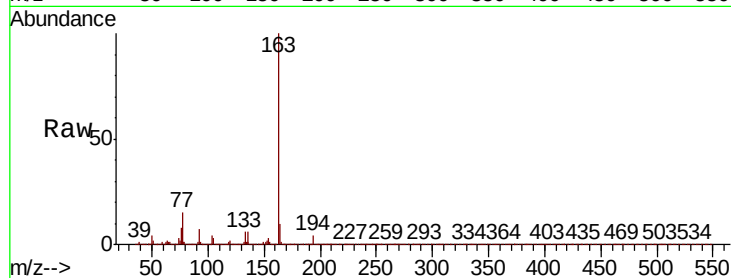
Tot Ion:163 Resp: 400192

Ion Ratio Lower Upper

163 100

194 4.3 3.3 4.9

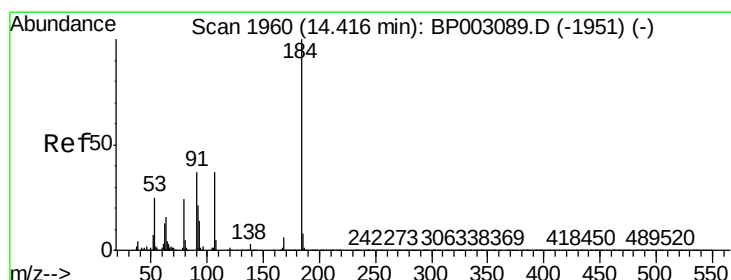
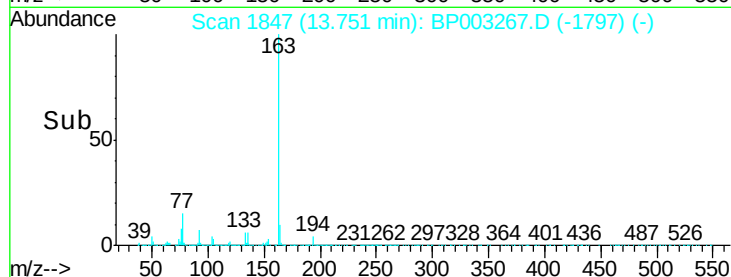
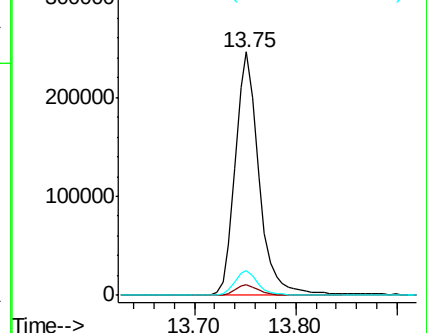
164 10.3 8.2 12.2



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



#54

2,4-Dinitrophenol

Concen: 7.764 ng

RT: 14.38 min Scan# 1954

Delta R.T. -0.02 min

Lab File: BP003267.D

Acq: 11 Sep 2020 18:59

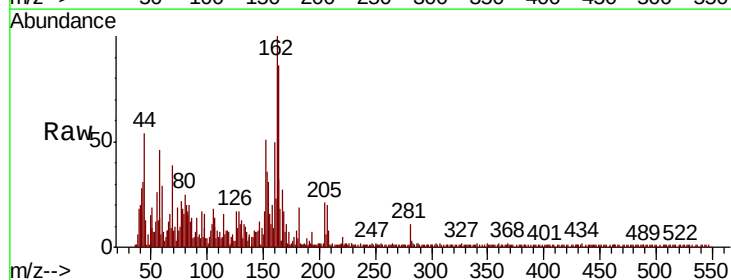
Tgt Ion:184 Resp: 47

Ion Ratio Lower Upper

184 100

63 246.4 32.3 48.5#

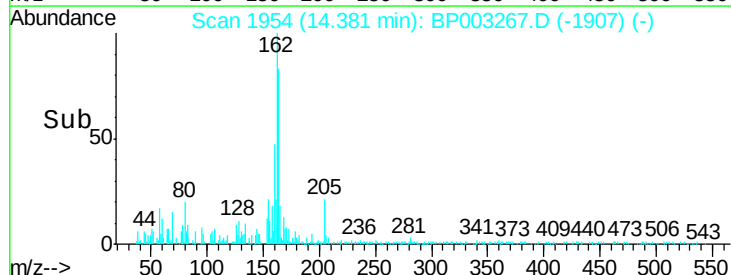
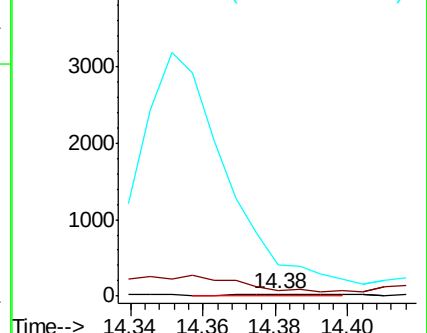
154 1482.1 49.1 73.7#

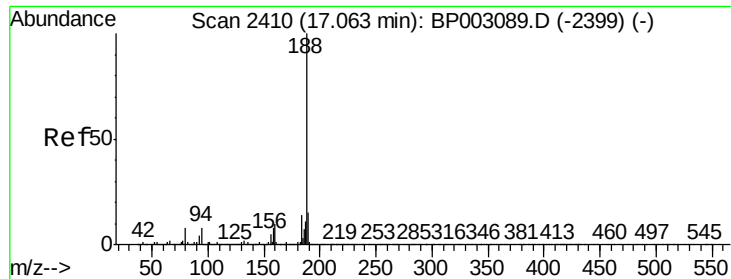


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 154.00 (153.70 to 154.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.05 min Scan# 2407

Delta R.T. -0.00 min

Lab File: BP003267.D

Acq: 11 Sep 2020 18:59

Instrument :

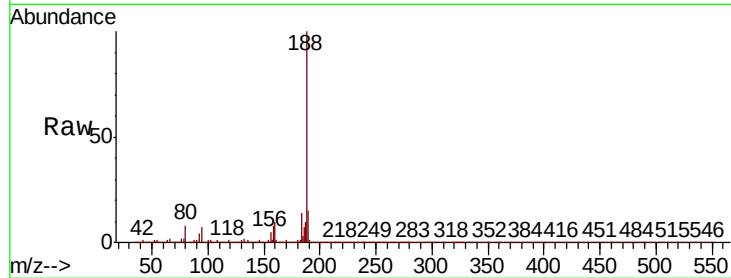
BNA_P

ClientSampleId :

BSY-SB-03-0-17

Tot Ion:188 Resp: 1055897

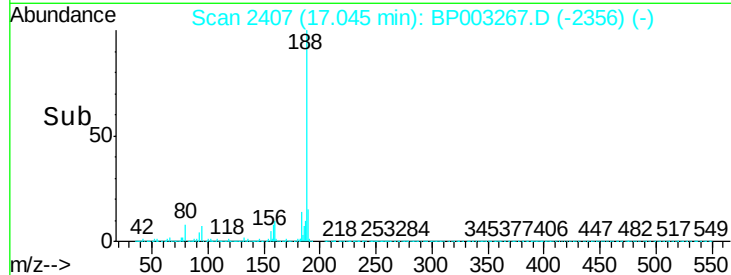
Ion	Ratio	Lower	Upper
188	100		
94	7.3	6.2	9.2
80	7.6	6.2	9.2



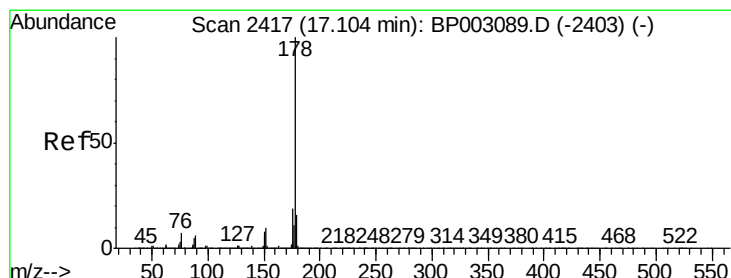
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BPO

Ion 80.00 (79.70 to 80.70): BPO



Time-->



#71

Phenanthrene

Concen: 2.598 ng

RT: 17.09 min Scan# 2414

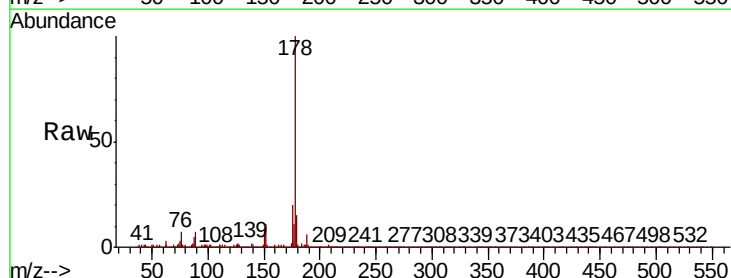
Delta R.T. -0.00 min

Lab File: BP003267.D

Acq: 11 Sep 2020 18:59

Tgt Ion:178 Resp: 148671

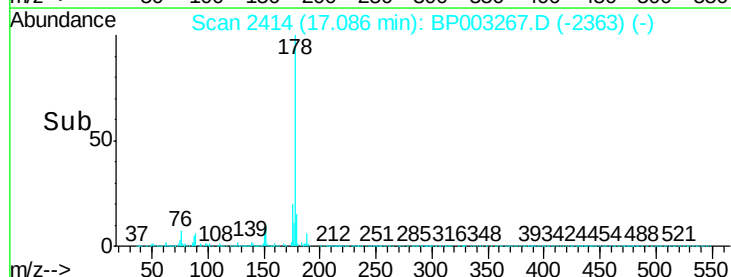
Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.3	22.9
179	15.3	12.5	18.7



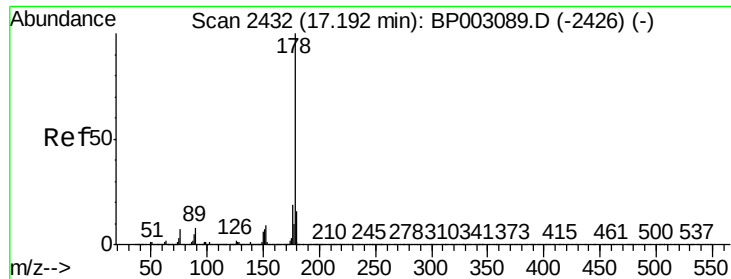
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#72

Anthracene

Concen: 6.262 ng

RT: 17.18 min Scan# 2430

Delta R.T. -0.00 min

Lab File: BP003267.D

Acq: 11 Sep 2020 18:59

Instrument :

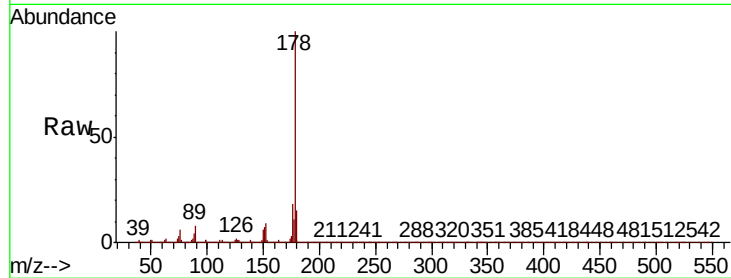
BNA_P

ClientSampleId :

BSY-SB-03-0-17

Tot Ion:178 Resp: 342899

Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.0	22.4
179	14.7	12.5	18.7

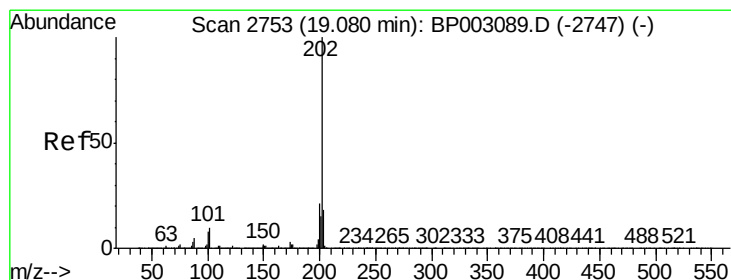
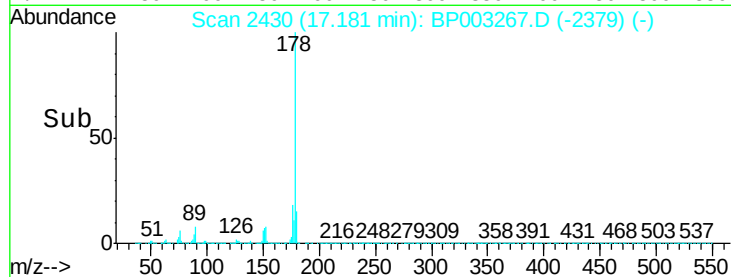
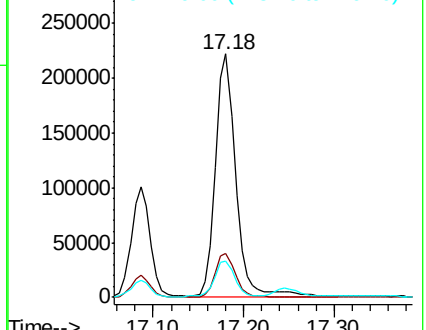


Abundance

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



#75

Fluoranthene

Concen: 25.240 ng

RT: 19.07 min Scan# 2751

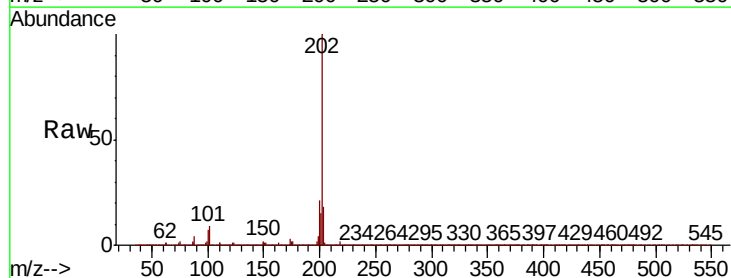
Delta R.T. -0.00 min

Lab File: BP003267.D

Acq: 11 Sep 2020 18:59

Tgt Ion:202 Resp: 1669073

Ion	Ratio	Lower	Upper
202	100		
101	8.9	0.0	29.4
203	17.7	0.0	37.8

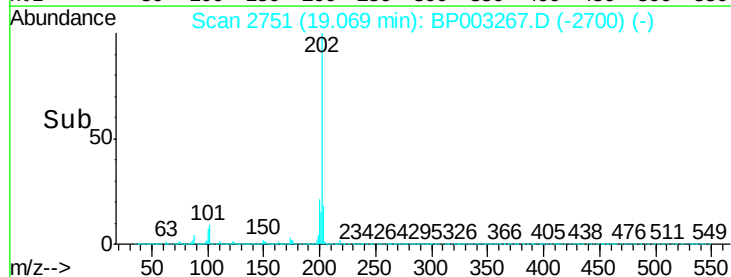
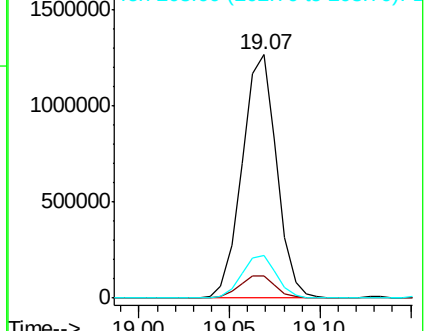


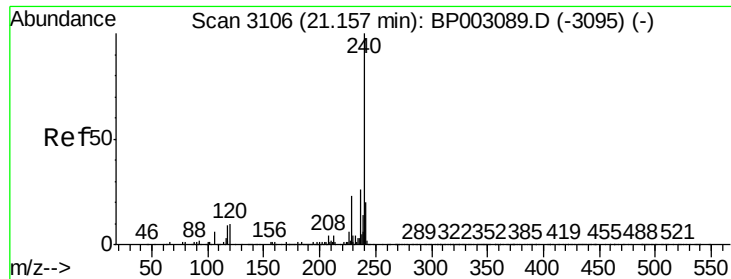
Abundance

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

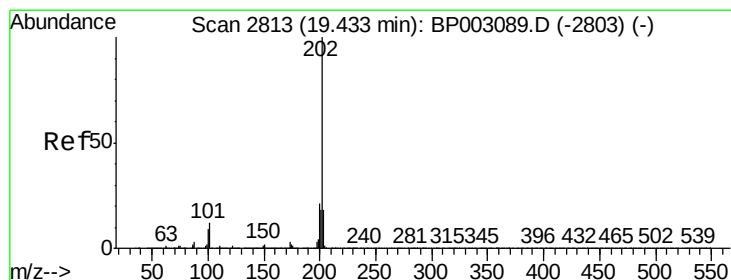
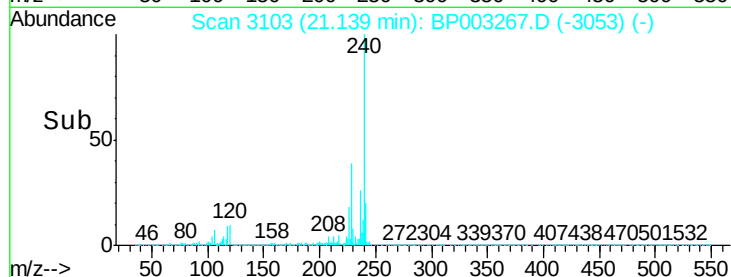
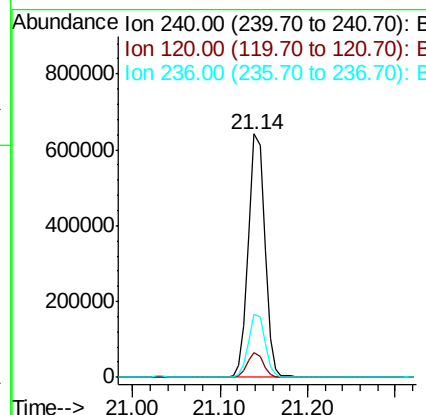
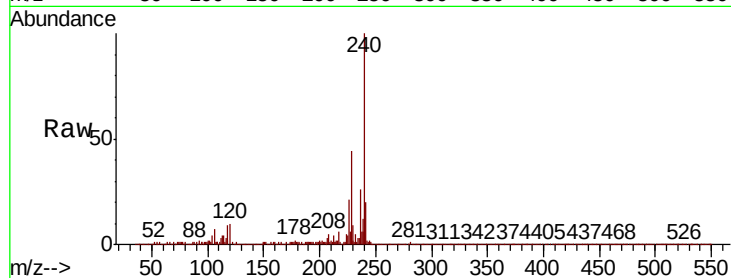




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.14 min Scan# 3103
Delta R.T. -0.01 min
Lab File: BP003267.D
Acq: 11 Sep 2020 18:59

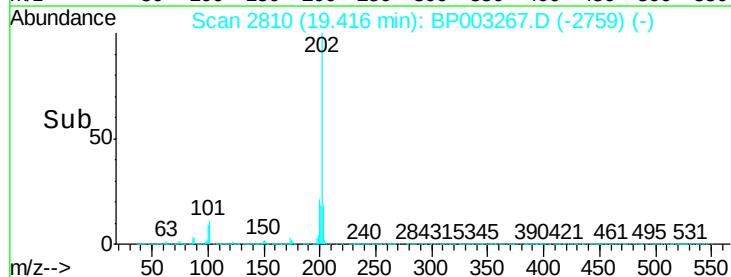
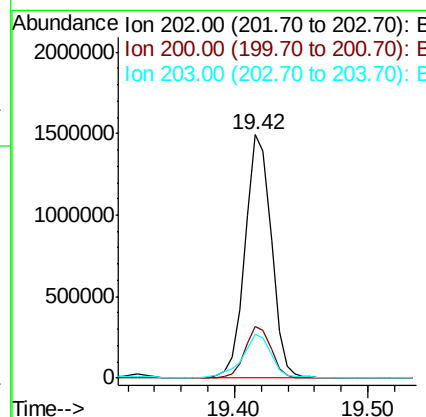
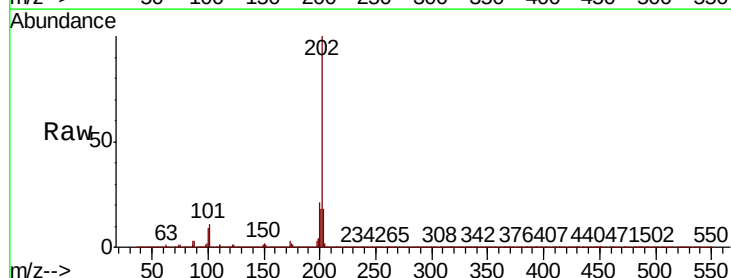
Instrument :
BNA_P
ClientSampleId :
BSY-SB-03-0-17

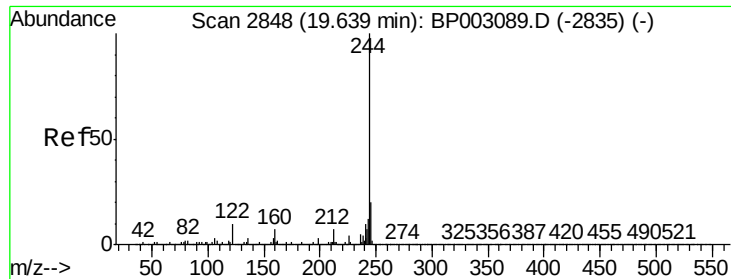
Tot Ion:240 Resp: 802707
Ion Ratio Lower Upper
240 100
120 9.9 7.8 11.6
236 26.1 20.8 31.2



#78
Pyrene
Concen: 38.851 ng
RT: 19.42 min Scan# 2810
Delta R.T. -0.00 min
Lab File: BP003267.D
Acq: 11 Sep 2020 18:59

Tgt Ion:202 Resp: 2024070
Ion Ratio Lower Upper
202 100
200 21.2 17.1 25.7
203 18.0 14.2 21.2





#79

Terphenyl-d14

Concen: 50.638 ng

RT: 19.62 min Scan# 2845

Delta R.T. -0.00 min

Lab File: BP003267.D

Acq: 11 Sep 2020 18:59

Instrument :

BNA_P

ClientSampleId :

BSY-SB-03-0-17

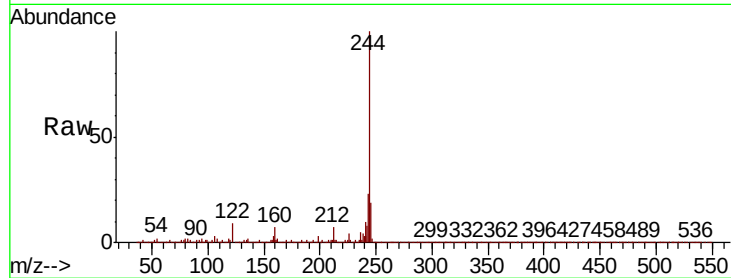
Tot Ion:244 Resp: 1847264

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.6

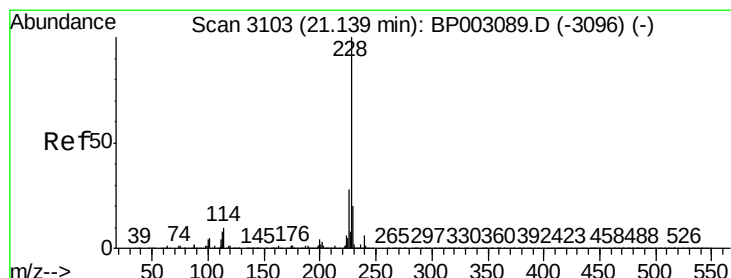
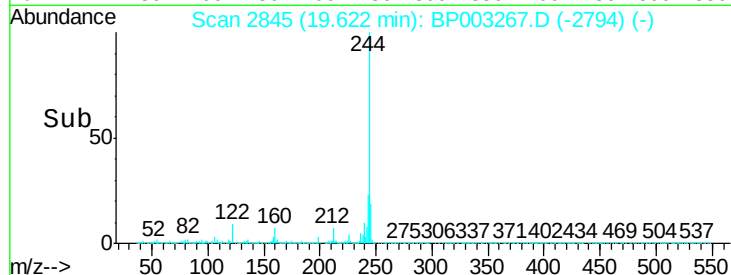
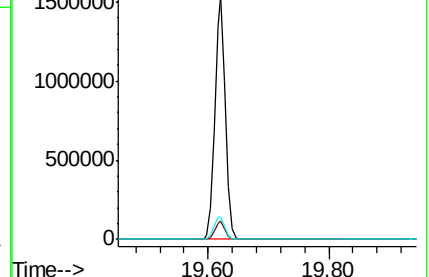
122 9.2 7.8 11.8



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: 21.846 ng

RT: 21.13 min Scan# 3101

Delta R.T. -0.00 min

Lab File: BP003267.D

Acq: 11 Sep 2020 18:59

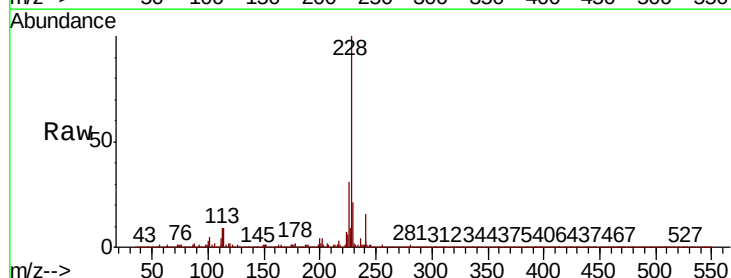
Tgt Ion:228 Resp: 1098415

Ion Ratio Lower Upper

228 100

226 30.6 22.1 33.1

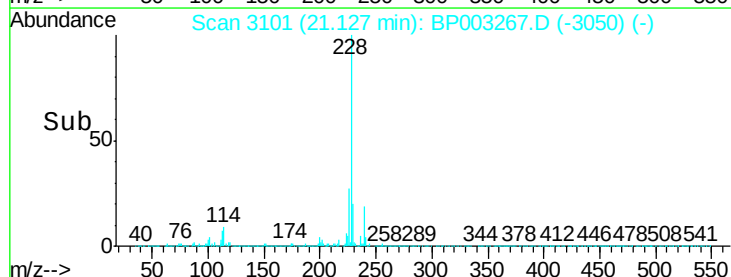
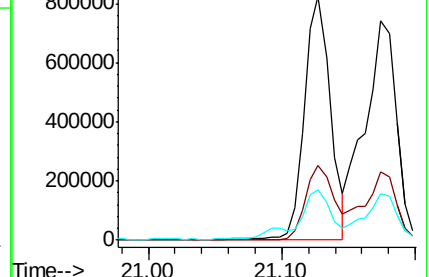
229 20.5 15.9 23.9

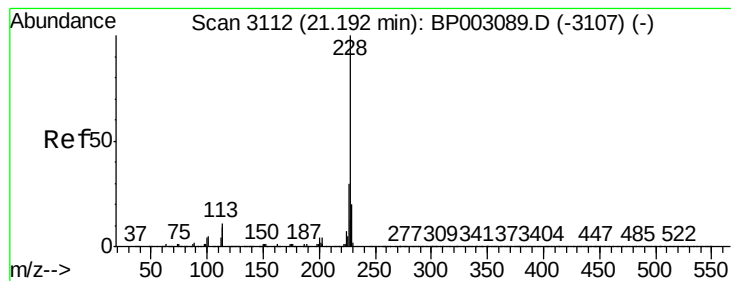


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 25.230 ng

RT: 21.17 min Scan# 3109

Delta R.T. -0.01 min

Lab File: BP003267.D

Acq: 11 Sep 2020 18:59

Instrument :

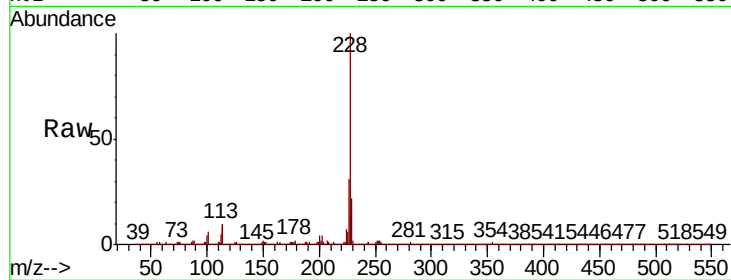
BNA_P

ClientSampleId :

BSY-SB-03-0-17

Tot Ion:228 Resp: 1214635

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.4	36.6
229	21.5	15.8	23.6

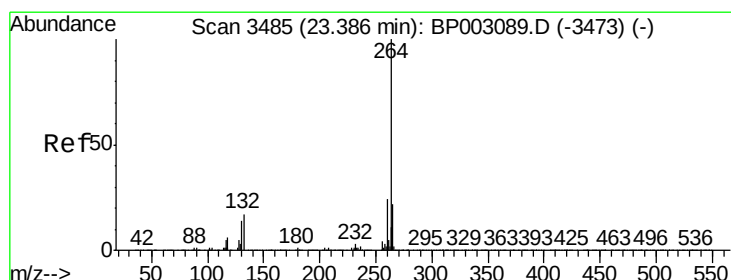
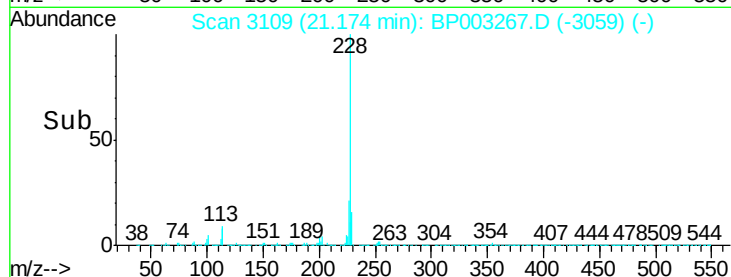
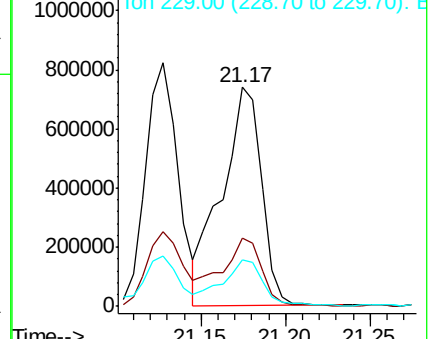


Abundance

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



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.37 min Scan# 3483

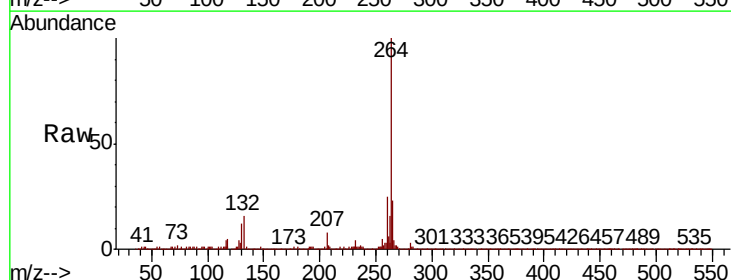
Delta R.T. 0.01 min

Lab File: BP003267.D

Acq: 11 Sep 2020 18:59

Tgt Ion:264 Resp: 822179

Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.8	28.2
265	22.8	17.4	26.2

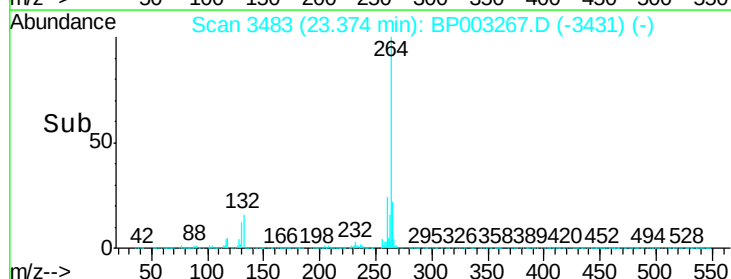
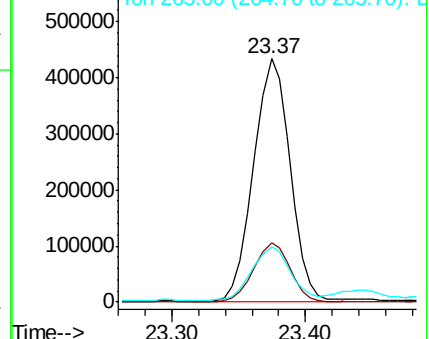


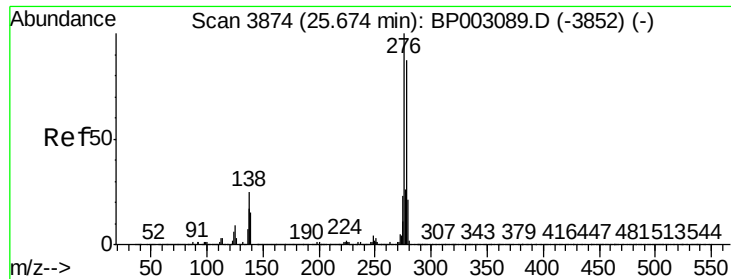
Abundance

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

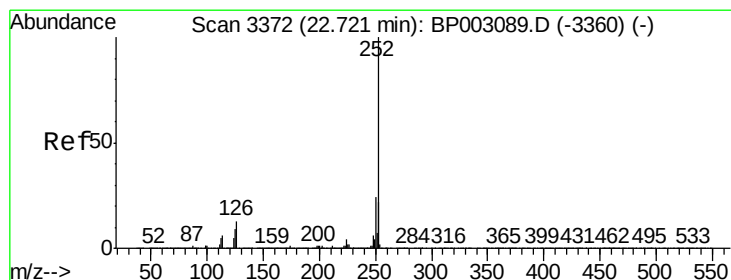
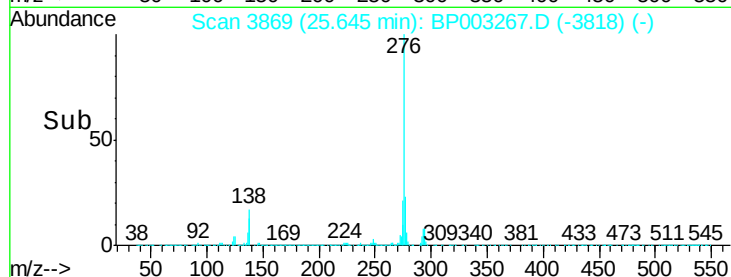
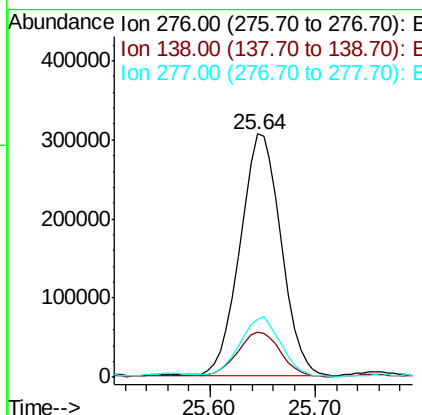
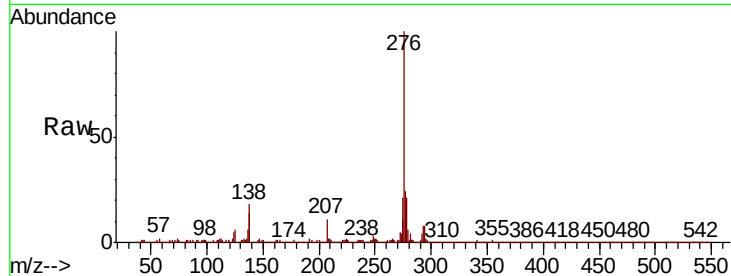




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 13.331 ng
 RT: 25.64 min Scan# 3869
 Delta R.T. -0.00 min
 Lab File: BP003267.D
 Acq: 11 Sep 2020 18:59

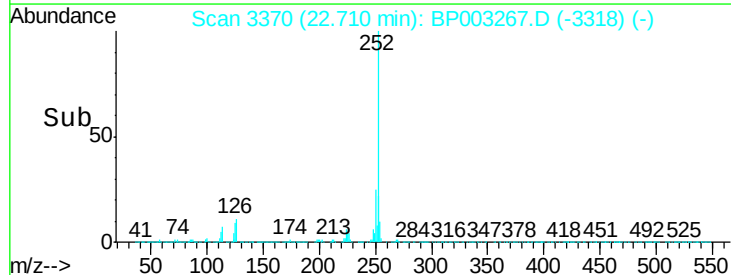
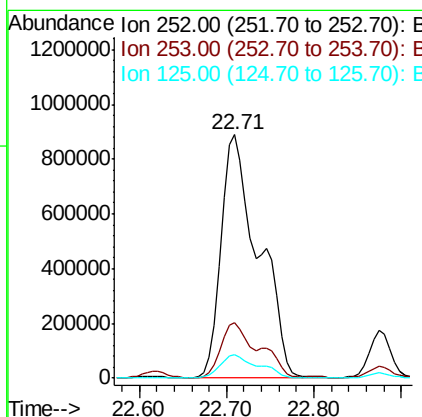
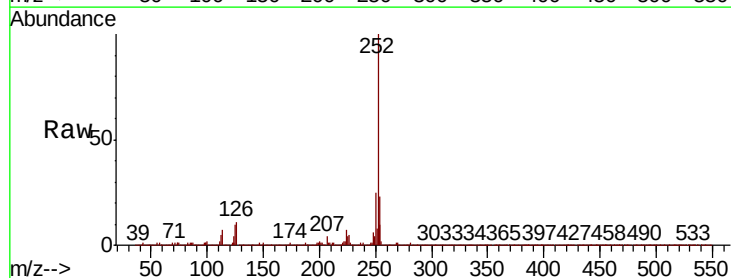
Instrument :
 BNA_P
 ClientSampleId :
 BSY-SB-03-0-17

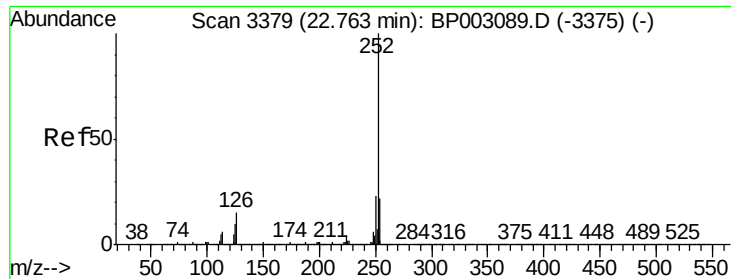
Tot Ion	Ratio	Lower	Upper
276	100		
138	19.3	18.7	28.1
277	24.9	20.4	30.6



#88
 Benzo(b)fluoranthene
 Concen: 50.811 ng
 RT: 22.71 min Scan# 3370
 Delta R.T. 0.01 min
 Lab File: BP003267.D
 Acq: 11 Sep 2020 18:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.6	26.4
125	9.6	7.3	10.9

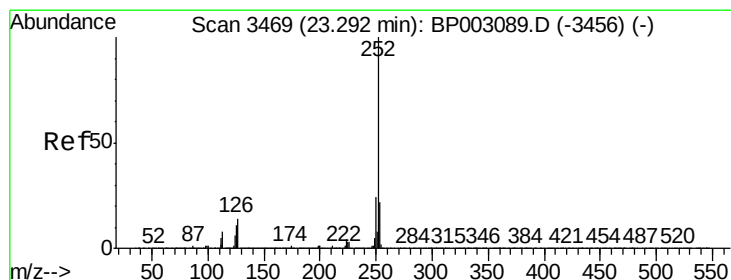
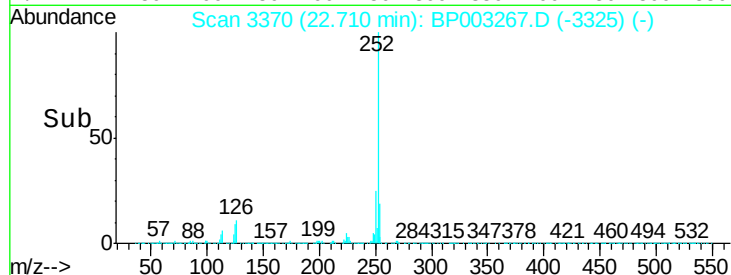
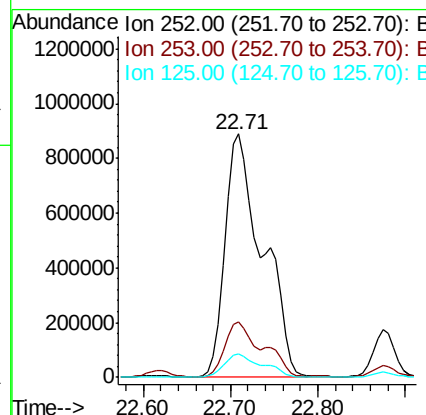
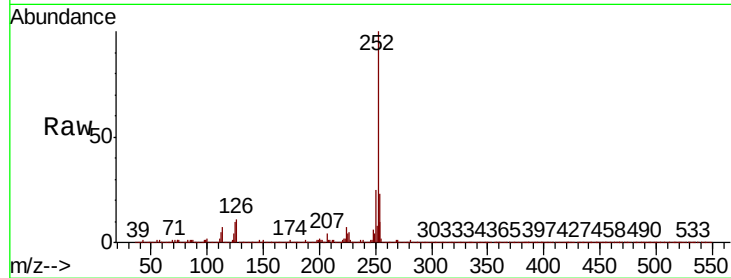




#89
Benzo(k)fluoranthene
Concen: 53.180 ng
RT: 22.71 min Scan# 3370
Delta R.T. -0.04 min
Lab File: BP003267.D
Acq: 11 Sep 2020 18:59

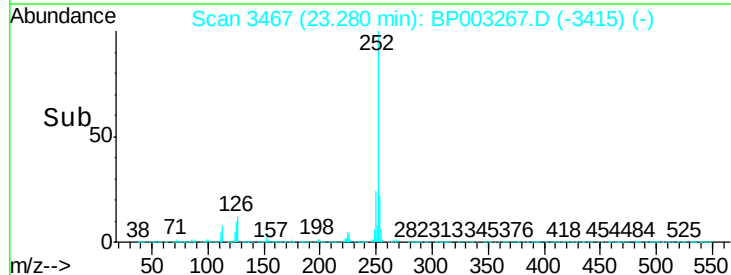
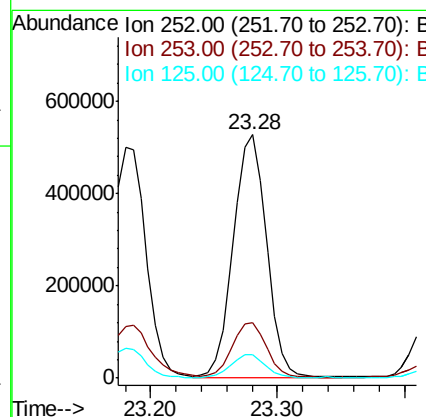
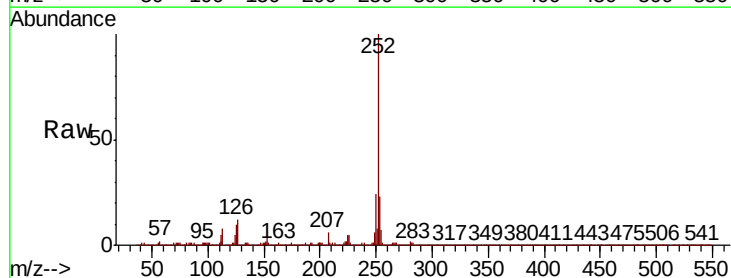
Instrument :
BNA_P
ClientSampleId :
BSY-SB-03-0-17

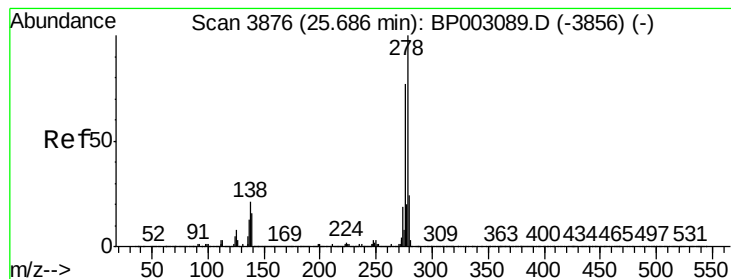
Tot Ion:252 Resp: 2596487
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.8
125 9.6 7.4 11.2



#90
Benzo(a)pyrene
Concen: 20.059 ng
RT: 23.28 min Scan# 3467
Delta R.T. 0.01 min
Lab File: BP003267.D
Acq: 11 Sep 2020 18:59

Tgt Ion:252 Resp: 950941
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.0
125 9.8 8.2 12.4





#91

Dibenzo(a,h)anthracene

Concen: 2.461 ng

RT: 25.91 min Scan# 3914

Delta R.T. 0.25 min

Lab File: BP003267.D

Acq: 11 Sep 2020 18:59

Instrument :

BNA_P

ClientSampleId :

BSY-SB-03-0-17

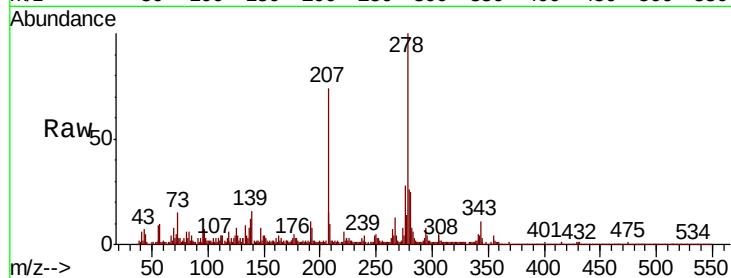
Tot Ion:278 Resp: 123950

Ion Ratio Lower Upper

278 100

139 16.0 12.4 18.6

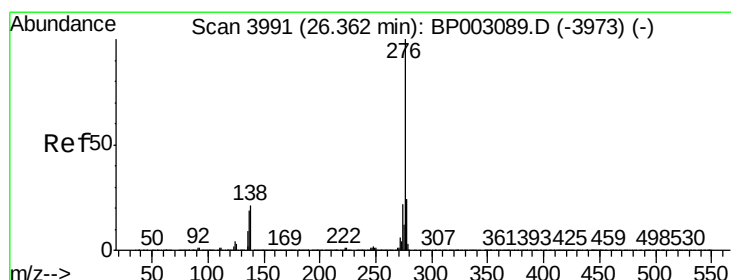
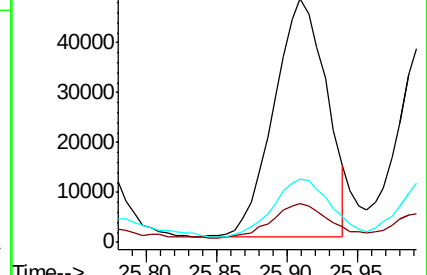
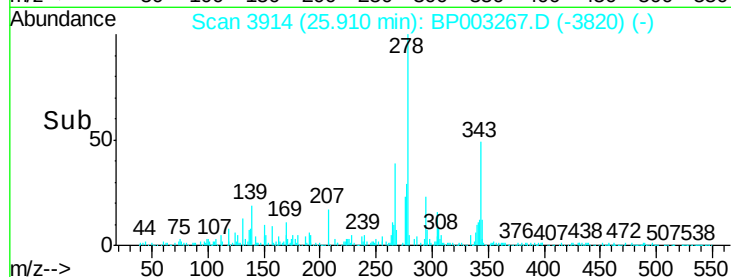
279 25.8 19.0 28.6



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 15.593 ng

RT: 26.34 min Scan# 3988

Delta R.T. 0.01 min

Lab File: BP003267.D

Acq: 11 Sep 2020 18:59

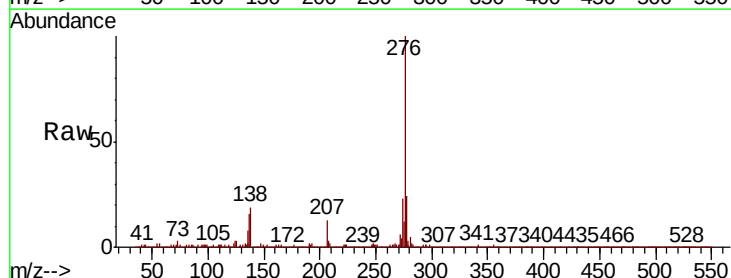
Tgt Ion:276 Resp: 788183

Ion Ratio Lower Upper

276 100

277 23.9 19.0 28.6

138 19.1 16.6 24.8



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

