

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP121119\
 Data File : BP001323.D
 Acq On : 11 Dec 2019 20:57
 Operator : JU
 Sample : K6242-08
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-04-COMP

Quant Time: Dec 12 06:42:39 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP112719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 05 12:34:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.30	152	77742	20.00	ng	0.00
21) Naphthalene-d8	10.34	136	268466	20.00	ng	-0.01
39) Acenaphthene-d10	13.20	164	143920	20.00	ng	-0.01
64) Phenanthrene-d10	15.60	188	264029	20.00	ng	-0.01
76) Chrysene-d12	19.24	240	196617	20.00	ng	-0.02
87) Perylene-d12	21.01	264	207404	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	6.23	112	527697	112.62	ng	0.02
7) Phenol-d6	7.77	99	699852	112.11	ng	0.00
23) Nitrobenzene-d5	9.19	82	500699	80.92	ng	0.00
42) 2,4,6-Tribromophenol	14.50	330	174105	126.21	ng	0.00
45) 2-Fluorobiphenyl	12.12	172	781379	79.46	ng	-0.01
79) Terphenyl-d14	17.88	244	792041	74.53	ng	-0.01

Target Compounds

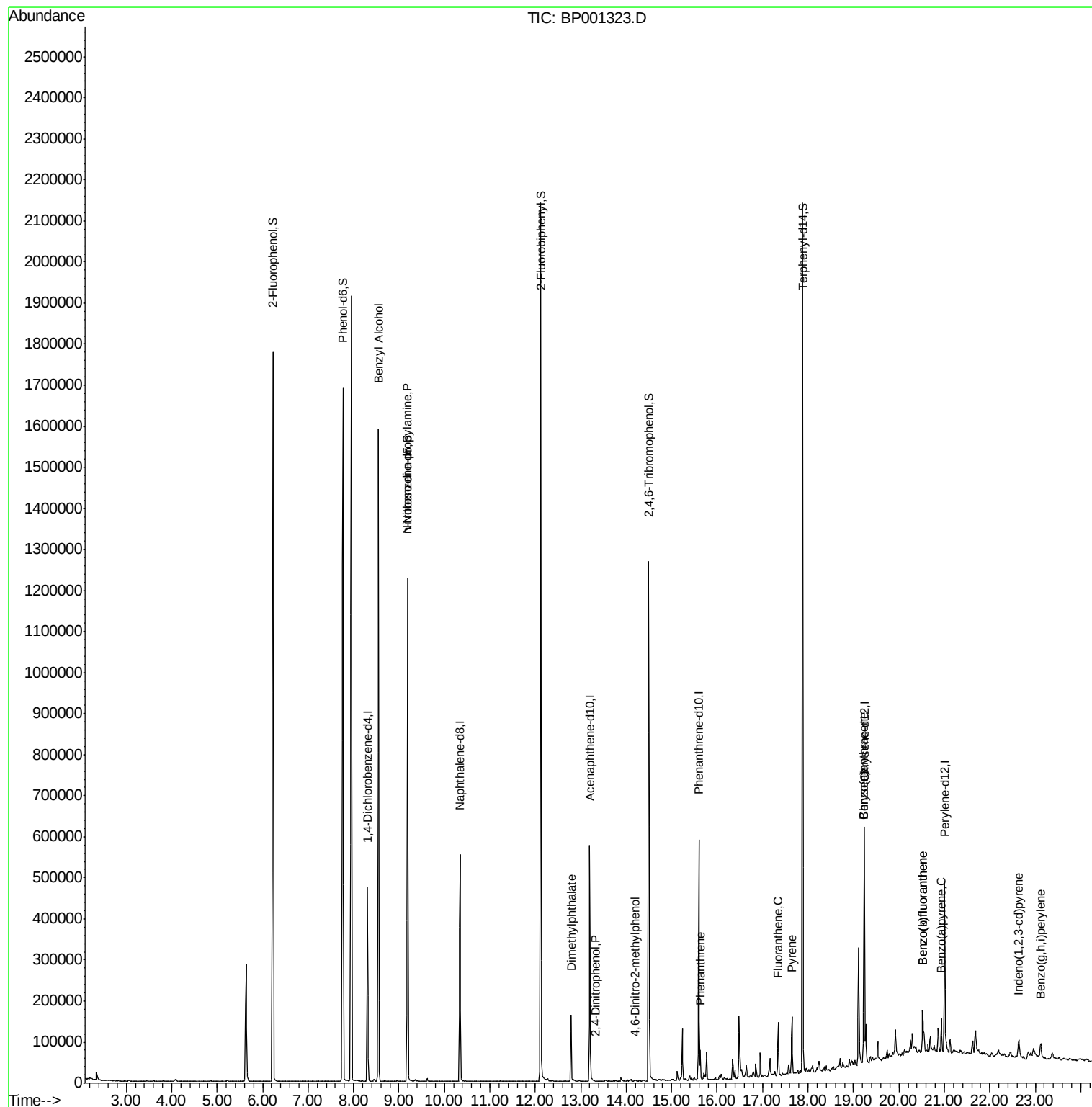
						Qvalue
9) Benzaldehyde	7.60	77	157	Below Cal	#	77
15) Benzyl Alcohol	8.55	79	10599	2.068 ng	#	57
19) n-Nitroso-di-n-propylamine	9.19	70	74888	16.625 ng	#	79
50) Dimethylphthalate	12.79	163	73048	6.786 ng		99
54) 2,4-Dinitrophenol	13.32	184	8	7.117 ng	#	26
65) 4,6-Dinitro-2-methylphenol	14.20	198	21	6.293 ng	#	1
71) Phenanthrene	15.63	178	30906	2.227 ng		99
75) Fluoranthene	17.34	202	61435	4.181 ng		97
78) Pyrene	17.65	202	61068	3.943 ng	#	95
81) Benzo(a)anthracene	19.23	228	43409	3.184 ng		99
83) Chrysene	19.23	228	43409	3.556 ng		96
86) Indeno(1,2,3-cd)pyrene	22.63	276	33121	2.302 ng	#	95
88) Benzo(b)fluoranthene	20.52	252	81267	6.415 ng		98
89) Benzo(k)fluoranthene	20.52	252	81267	6.660 ng		98
90) Benzo(a)pyrene	20.94	252	45989	3.941 ng	#	95
92) Benzo(g,h,i)perylene	23.12	276	33709	2.990 ng		97

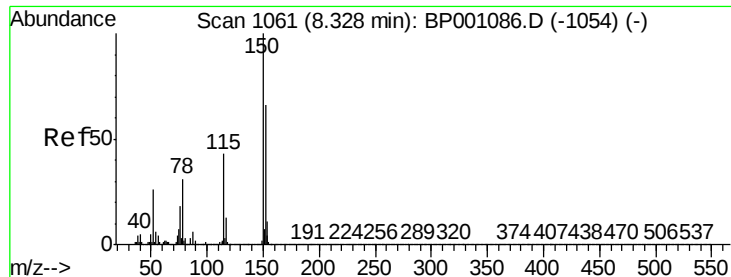
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.30 min Scan# 1057

Delta R.T. -0.01 min

Lab File: BP001323.D

Acq: 11 Dec 2019 20:57

Instrument :

BNA_P

ClientSampleId :

SB-04-COMP

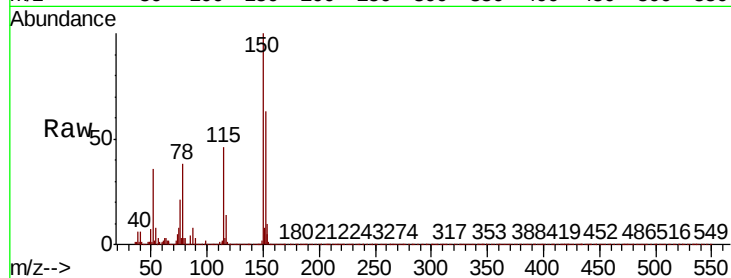
Tot Ion:152 Resp: 77742

Ion Ratio Lower Upper

152 100

150 157.6 127.3 190.9

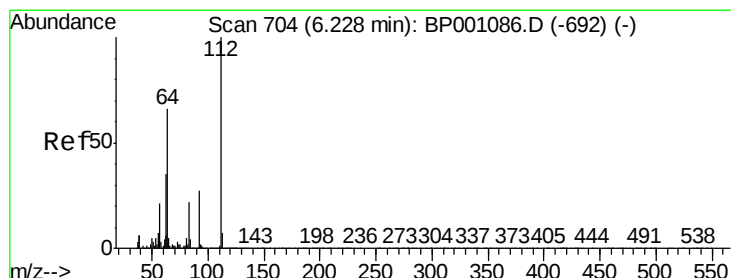
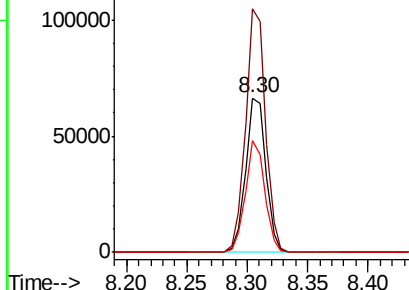
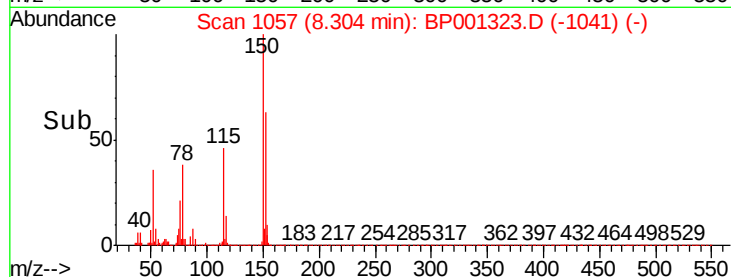
115 72.2 56.0 84.0



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: 112.615 ng

RT: 6.23 min Scan# 704

Delta R.T. 0.02 min

Lab File: BP001323.D

Acq: 11 Dec 2019 20:57

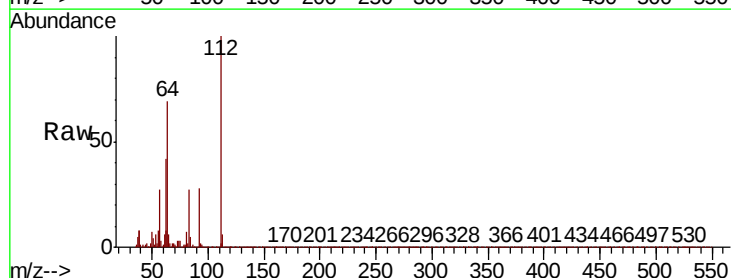
Tgt Ion:112 Resp: 527697

Ion Ratio Lower Upper

112 100

64 68.7 56.8 85.2

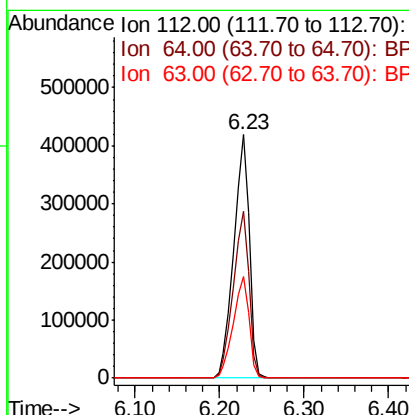
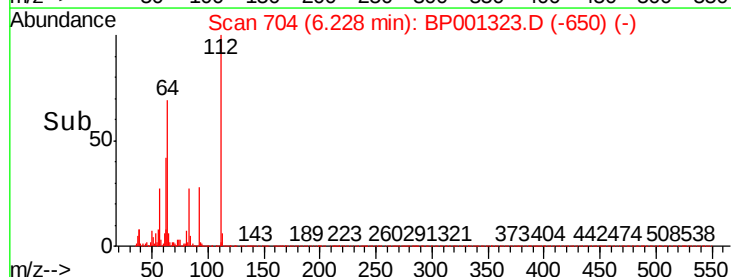
63 42.0 32.2 48.2



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 112.107 ng

RT: 7.77 min Scan# 966

Delta R.T. 0.01 min

Lab File: BP001323.D

Acq: 11 Dec 2019 20:57

Instrument :

BNA_P

ClientSampleId :

SB-04-COMP

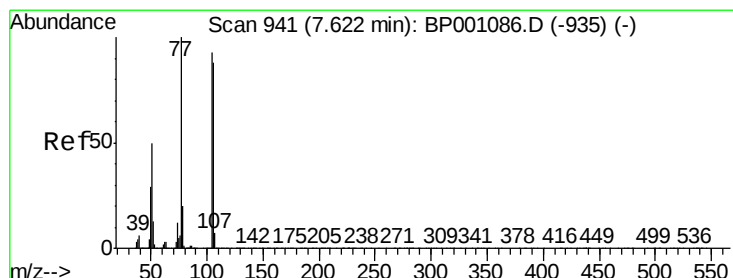
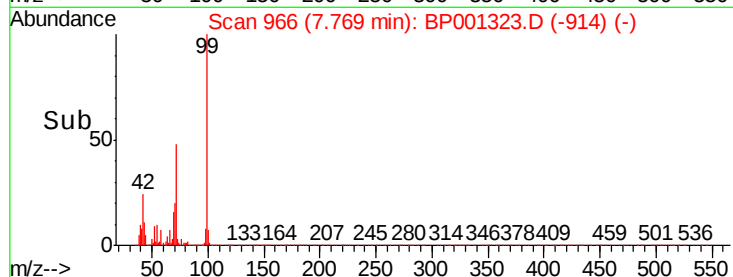
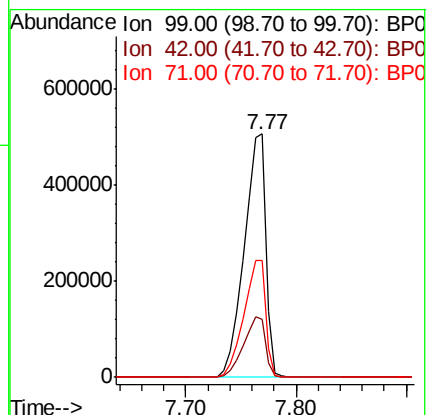
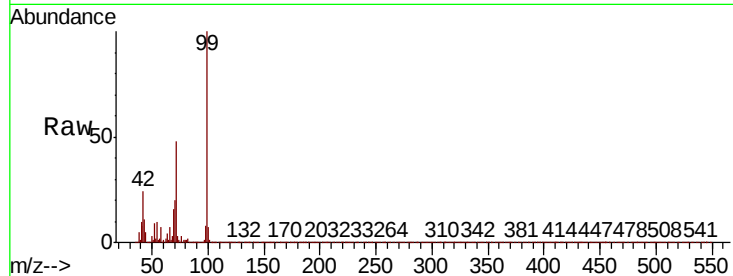
Tot Ion: 99 Resp: 699852

Ion Ratio Lower Upper

99 100

42 24.0 17.6 26.4

71 47.9 33.8 50.8



#9

Benzaldehyde

Concen: Below Cal

RT: 7.60 min Scan# 938

Delta R.T. -0.01 min

Lab File: BP001323.D

Acq: 11 Dec 2019 20:57

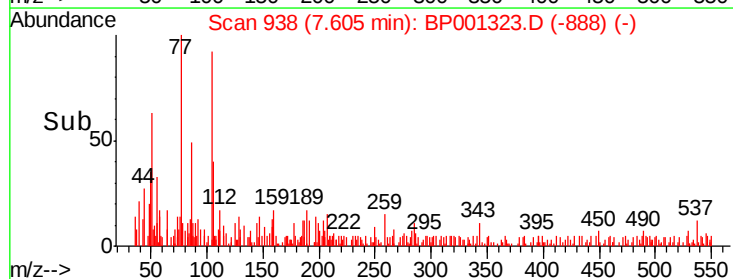
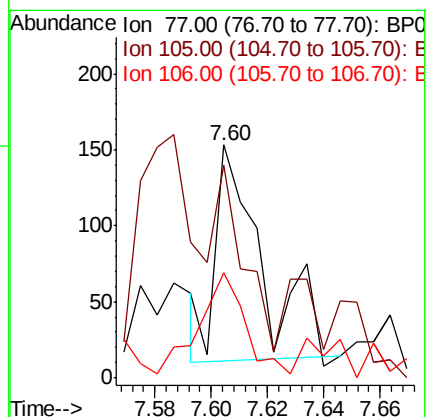
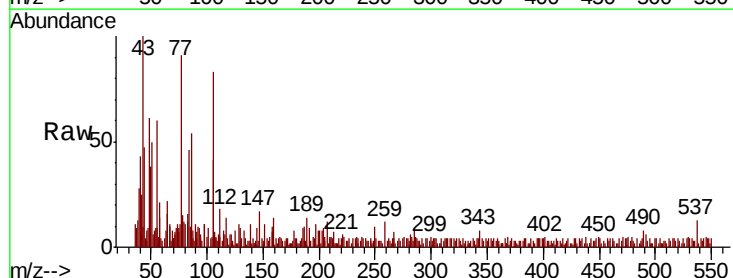
Tgt Ion: 77 Resp: 157

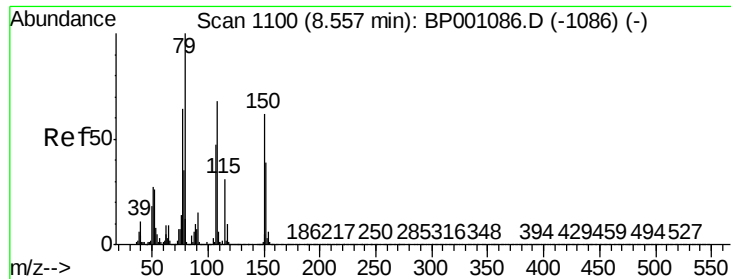
Ion Ratio Lower Upper

77 100

105 91.5 69.7 109.7

106 45.1 67.1 107.1#





#15

Benzyl Alcohol

Concen: 2.068 ng

RT: 8.55 min Scan# 1098

Delta R.T. 0.00 min

Lab File: BP001323.D

Acq: 11 Dec 2019 20:57

Instrument :

BNA_P

ClientSampleId :

SB-04-COMP

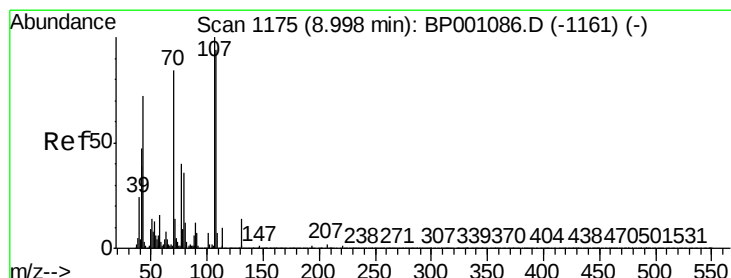
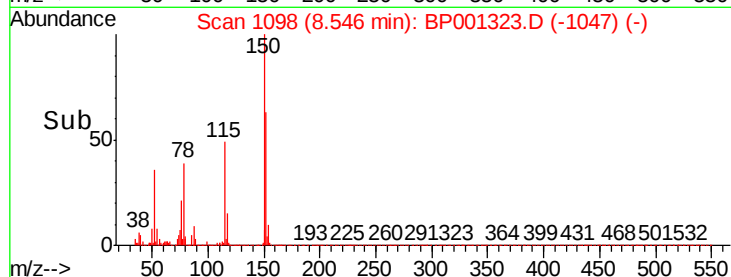
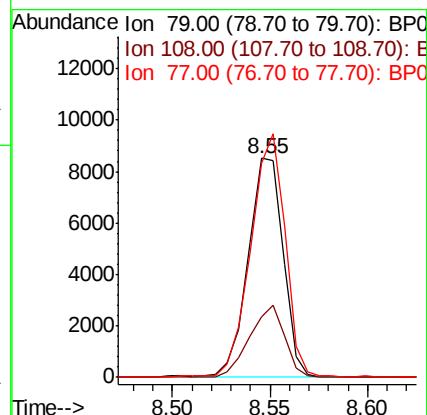
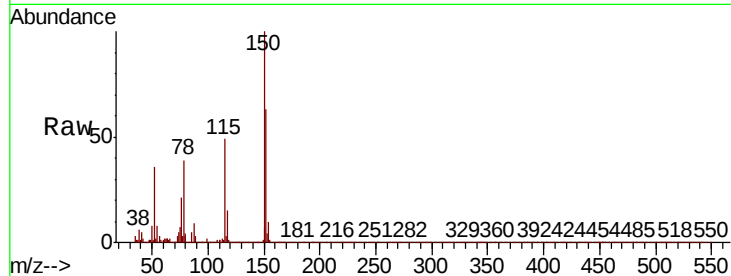
Tot Ion: 79 Resp: 10599

Ion Ratio Lower Upper

79 100

108 27.7 51.6 77.4#

77 98.0 53.5 80.3#



#19

n-Nitroso-di-n-propylamine

Concen: 16.625 ng

RT: 9.19 min Scan# 1208

Delta R.T. 0.21 min

Lab File: BP001323.D

Acq: 11 Dec 2019 20:57

Tgt Ion: 70 Resp: 74888

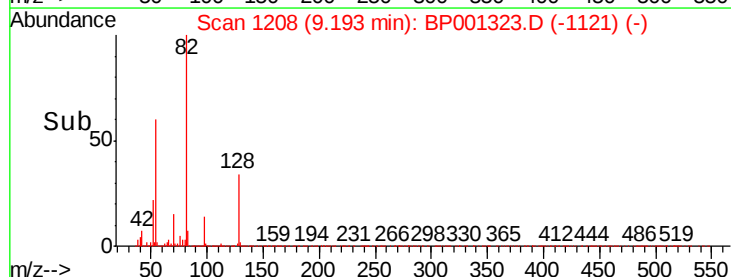
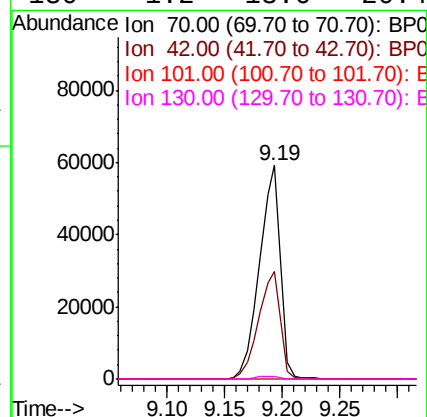
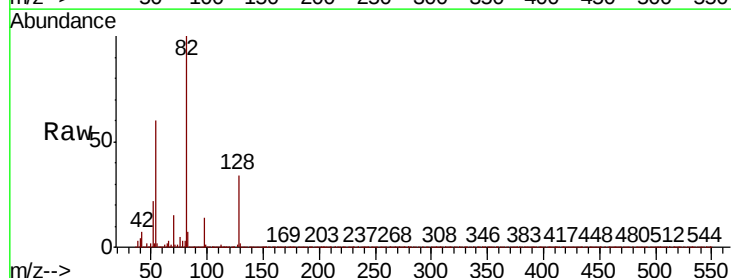
Ion Ratio Lower Upper

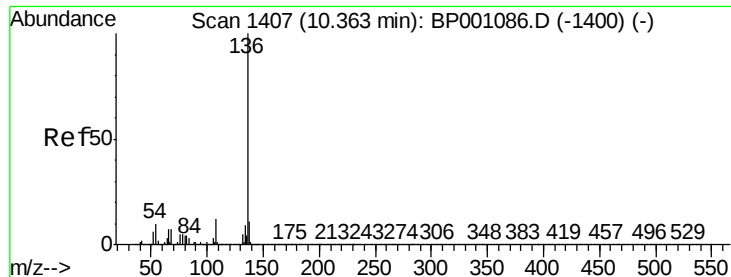
70 100

42 50.3 50.6 76.0#

101 0.0 7.1 10.7#

130 1.2 13.6 20.4#

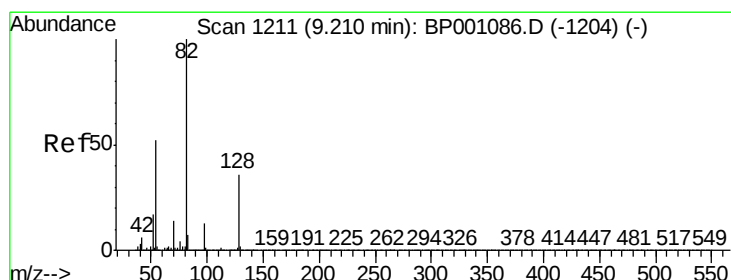
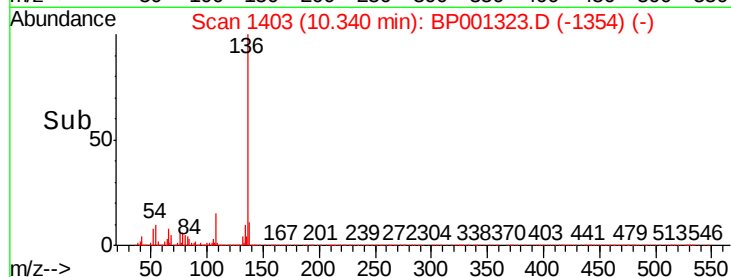
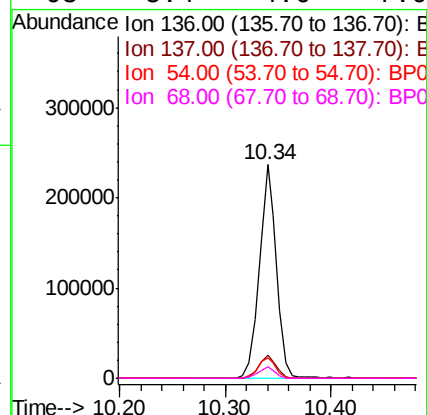
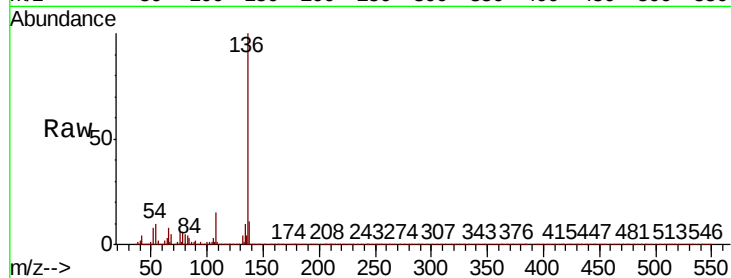




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.34 min Scan# 1403
Delta R.T. -0.01 min
Lab File: BP001323.D
Acq: 11 Dec 2019 20:57

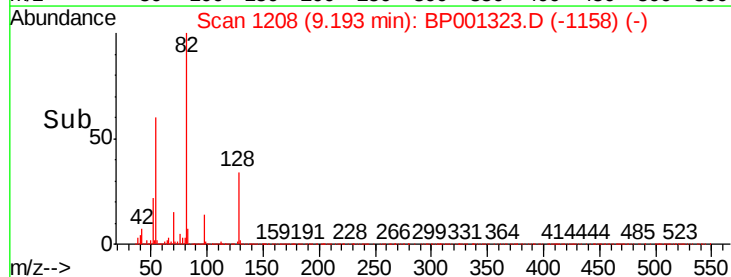
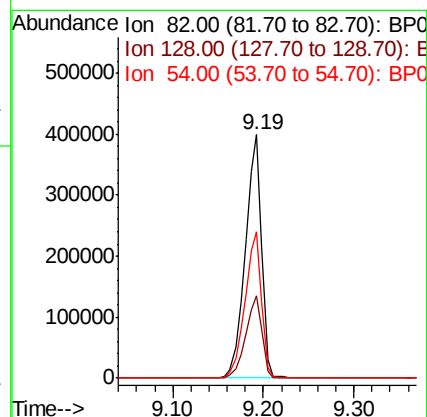
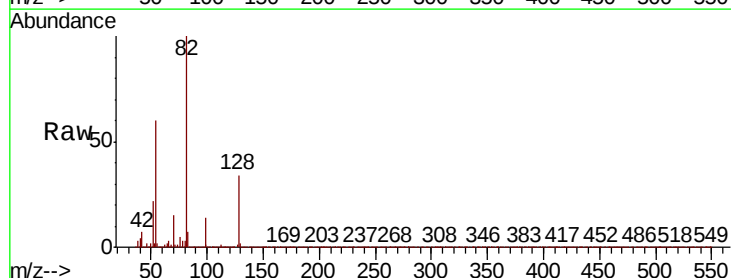
Instrument :
BNA_P
ClientSampleId :
SB-04-COMP

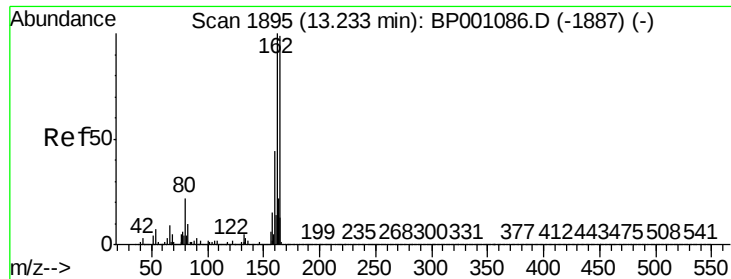
Tot Ion:136	Resp:	268466
Ion	Ratio	Lower Upper
136	100	
137	11.0	8.4 12.6
54	9.7	7.4 11.0
68	5.4	4.6 7.0



#23
Nitrobenzene-d5
Concen: 80.916 ng
RT: 9.19 min Scan# 1208
Delta R.T. -0.01 min
Lab File: BP001323.D
Acq: 11 Dec 2019 20:57

Tgt Ion: 82	Resp:	500699
Ion	Ratio	Lower Upper
82	100	
128	33.9	27.5 41.3
54	60.2	45.7 68.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 13.20 min Scan# 1889

Delta R.T. -0.01 min

Lab File: BP001323.D

Acq: 11 Dec 2019 20:57

Instrument :

BNA_P

ClientSampleId :

SB-04-COMP

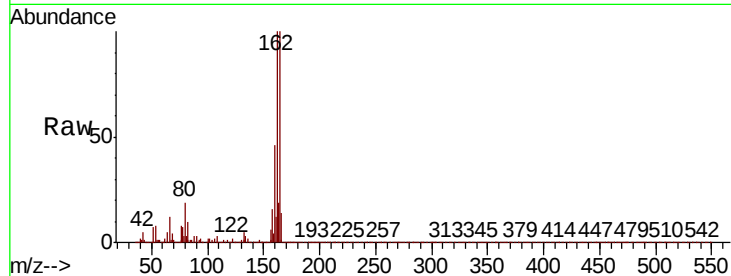
Tot Ion:164 Resp: 143920

Ion Ratio Lower Upper

164 100

162 99.9 80.7 121.1

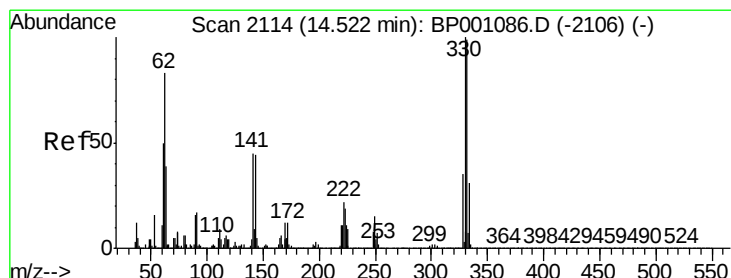
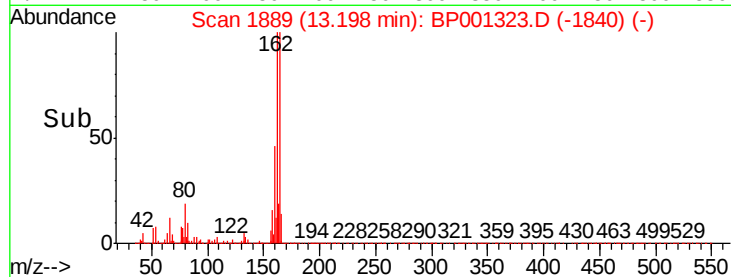
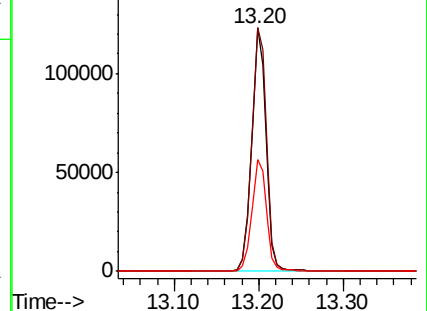
160 45.7 36.3 54.5



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: 126.211 ng

RT: 14.50 min Scan# 2110

Delta R.T. -0.01 min

Lab File: BP001323.D

Acq: 11 Dec 2019 20:57

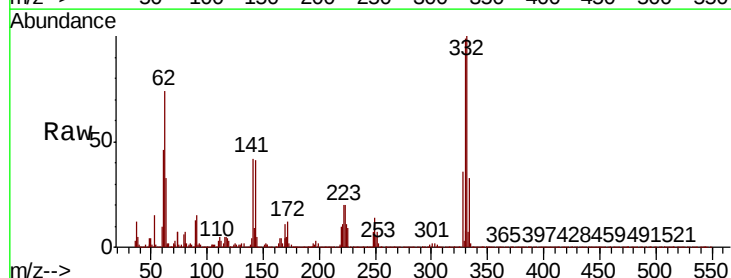
Tgt Ion:330 Resp: 174105

Ion Ratio Lower Upper

330 100

332 97.8 79.1 118.7

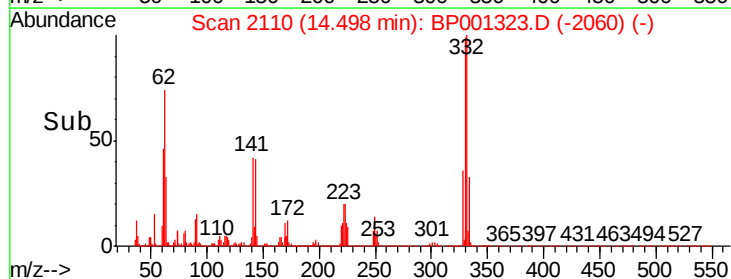
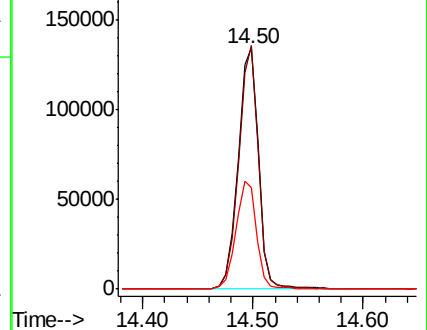
141 45.3 35.9 53.9

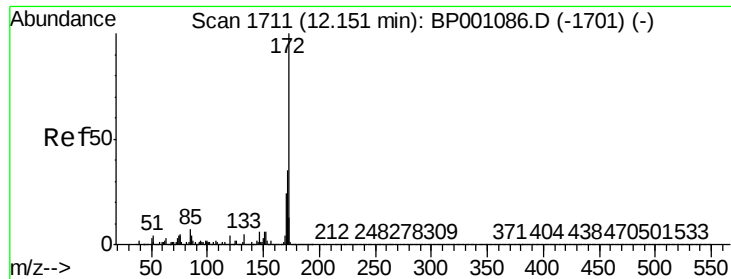


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

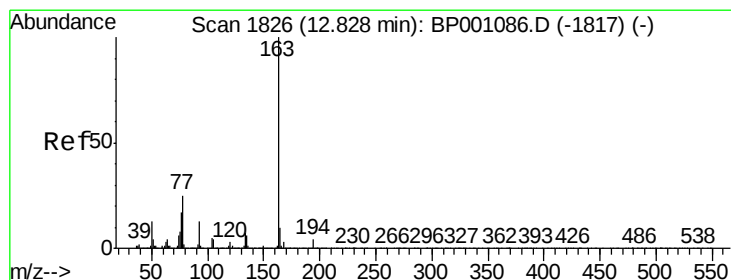
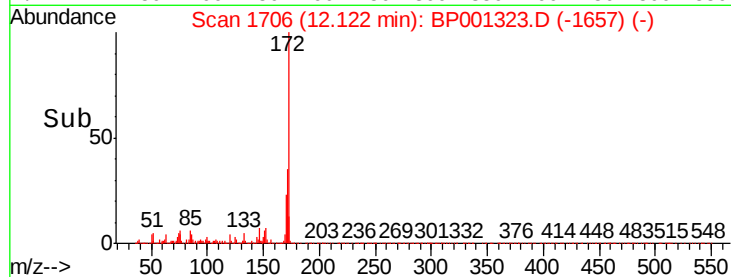
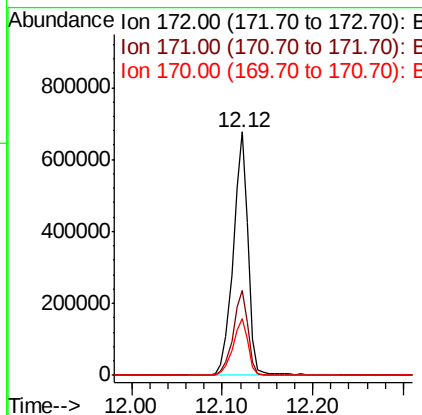
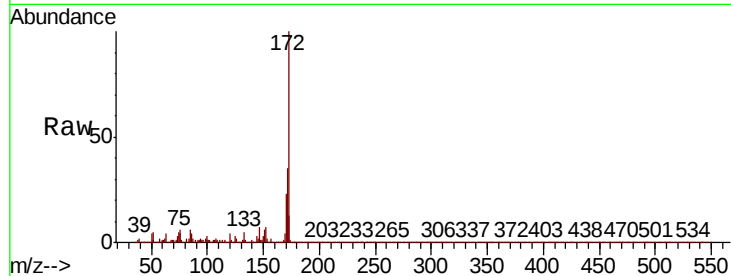




#45
2-Fluorobiphenyl
Concen: 79.461 ng
RT: 12.12 min Scan# 1706
Delta R.T. -0.01 min
Lab File: BP001323.D
Acq: 11 Dec 2019 20:57

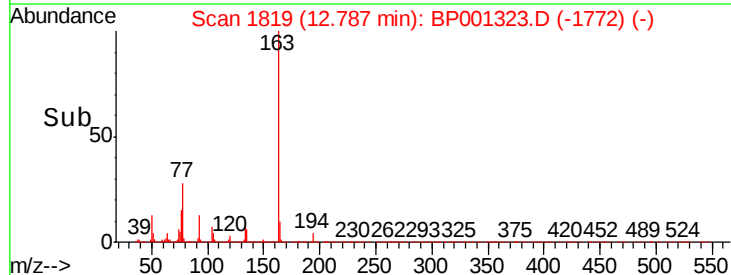
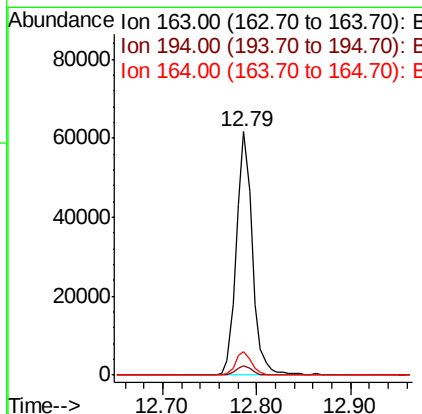
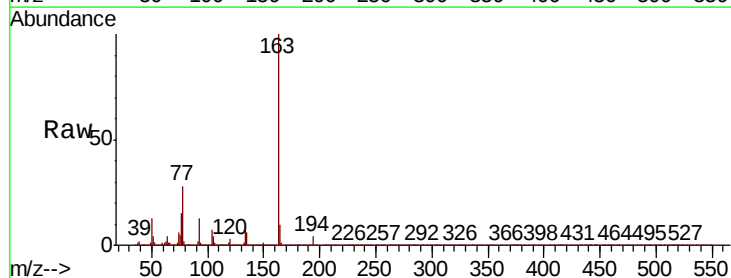
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BNA_P
ClientSampleId :
SB-04-COMP

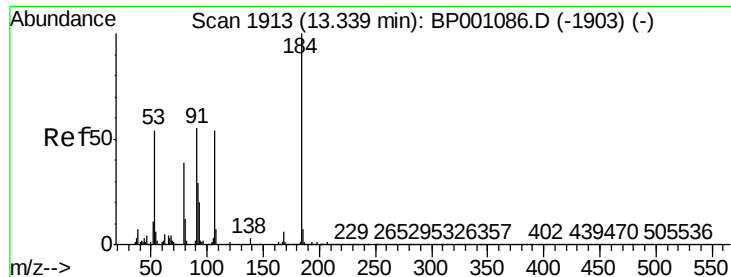
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.7	43.1
170	23.4	19.2	28.8



#50
Dimethylphthalate
Concen: 6.786 ng
RT: 12.79 min Scan# 1819
Delta R.T. -0.02 min
Lab File: BP001323.D
Acq: 11 Dec 2019 20:57

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.1	4.7
164	9.8	8.2	12.4

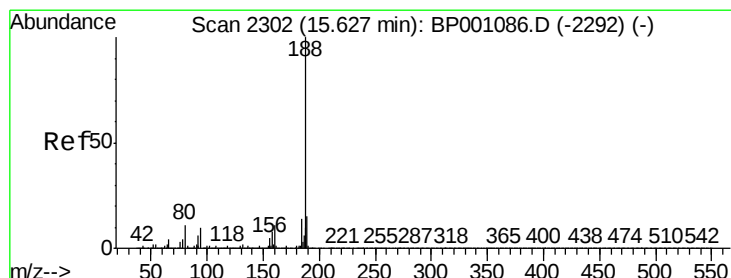
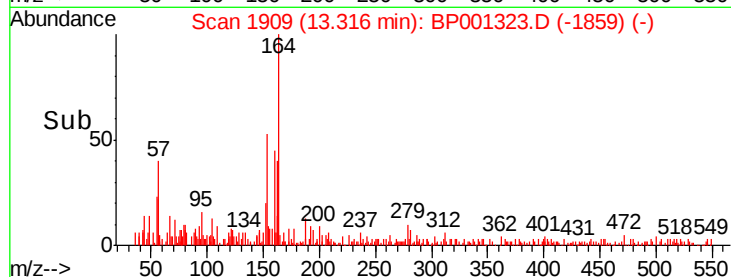
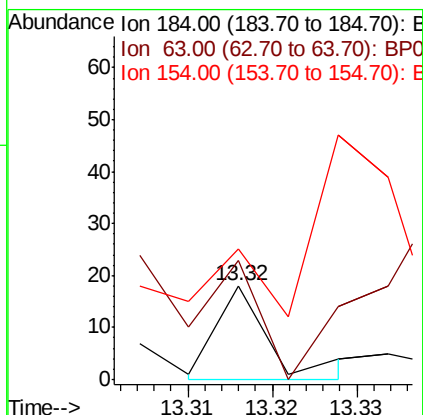
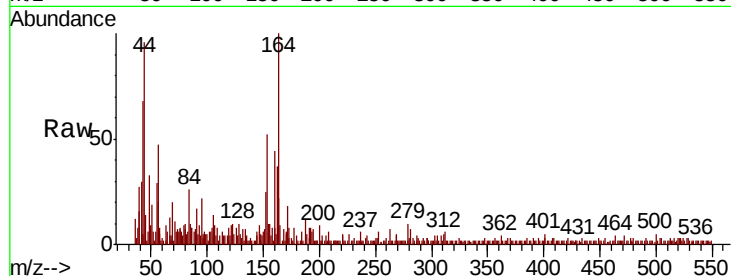




#54
2,4-Dinitrophenol
Concen: 7.117 ng
RT: 13.32 min Scan# 1909
Delta R.T. -0.01 min
Lab File: BP001323.D
Acq: 11 Dec 2019 20:57

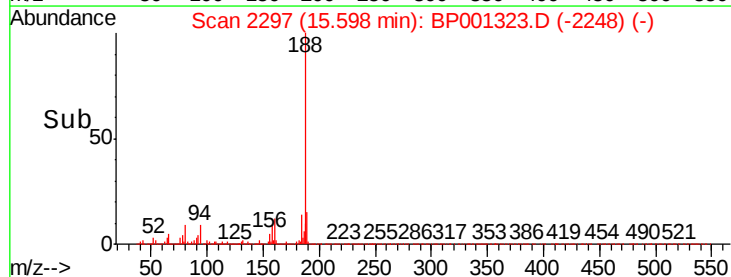
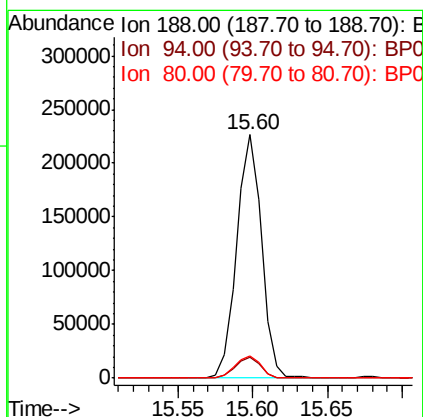
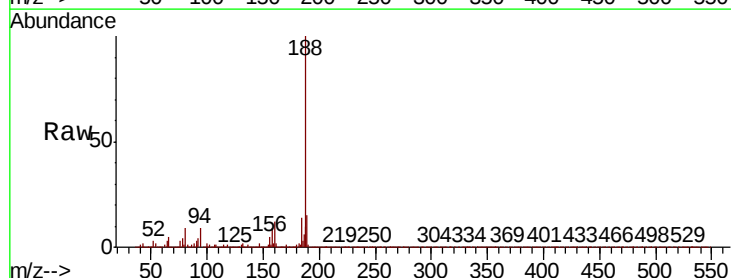
Instrument :
BNA_P
ClientSampleId :
SB-04-COMP

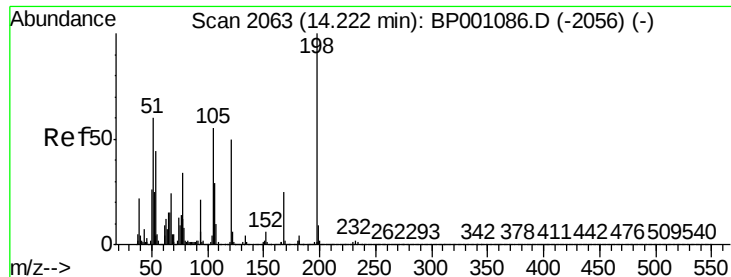
Tot Ion:184 Resp: 8
Ion Ratio Lower Upper
184 100
63 150.0 69.4 104.0#
154 138.9 57.4 86.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 15.60 min Scan# 2297
Delta R.T. -0.01 min
Lab File: BP001323.D
Acq: 11 Dec 2019 20:57

Tgt Ion:188 Resp: 264029
Ion Ratio Lower Upper
188 100
94 8.6 7.1 10.7
80 9.3 7.8 11.6

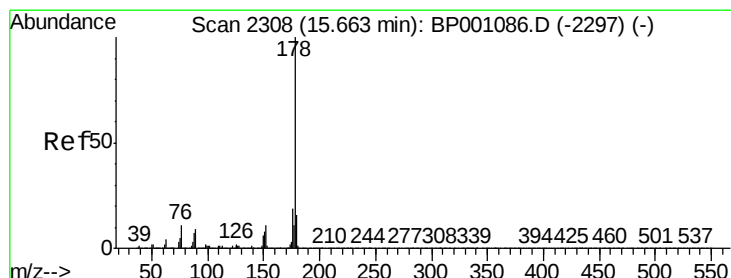
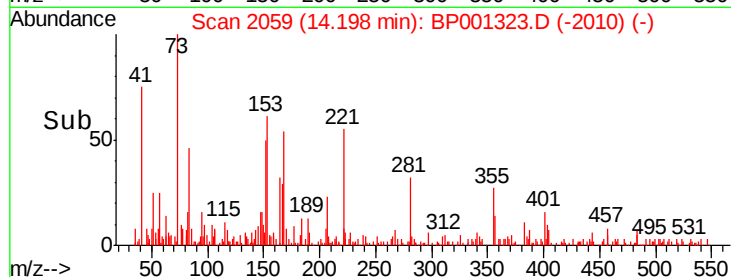
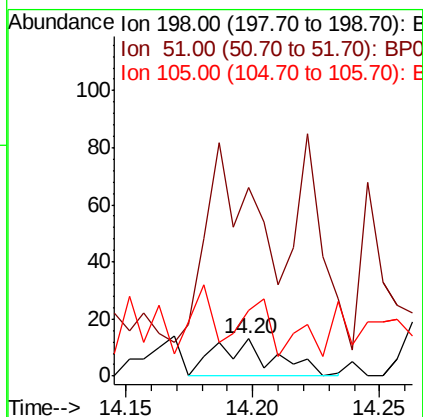
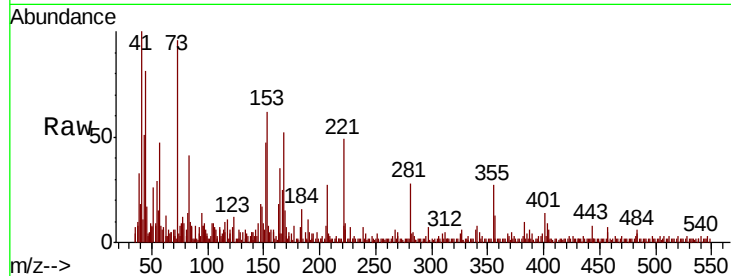




#65
4,6-Dinitro-2-methylphenol
Concen: 6.293 ng
RT: 14.20 min Scan# 2059
Delta R.T. -0.01 min
Lab File: BP001323.D
Acq: 11 Dec 2019 20:57

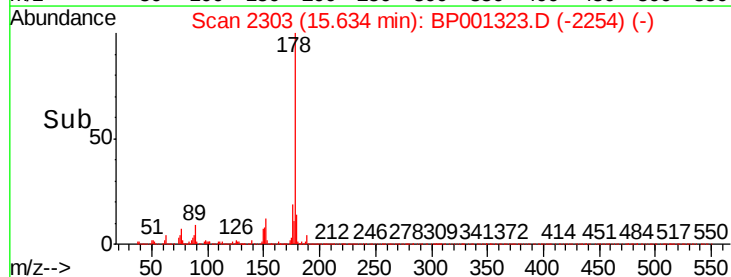
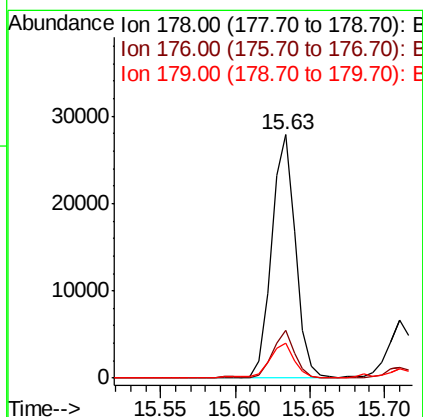
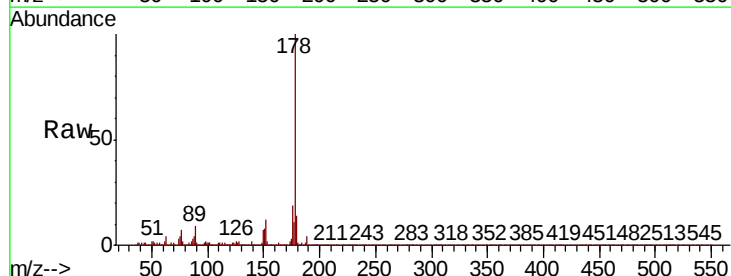
Instrument :
BNA_P
ClientSampleId :
SB-04-COMP

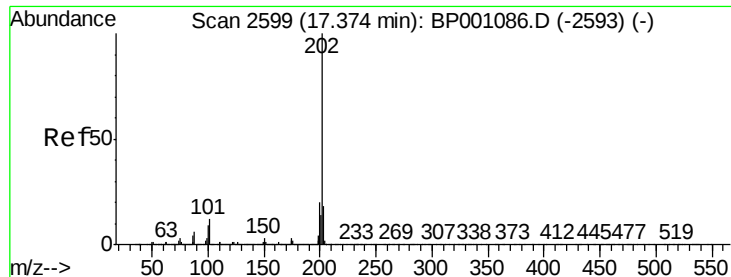
Tot Ion:198 Resp: 21
Ion Ratio Lower Upper
198 100
51 507.7 36.2 76.2#
105 307.7 30.2 70.2#



#71
Phenanthrene
Concen: 2.227 ng
RT: 15.63 min Scan# 2303
Delta R.T. -0.01 min
Lab File: BP001323.D
Acq: 11 Dec 2019 20:57

Tgt Ion:178 Resp: 30906
Ion Ratio Lower Upper
178 100
176 19.5 15.7 23.5
179 14.3 12.4 18.6





#75

Fluoranthene

Concen: 4.181 ng

RT: 17.34 min Scan# 2593

Delta R.T. -0.02 min

Lab File: BP001323.D

Acq: 11 Dec 2019 20:57

Instrument :

BNA_P

ClientSampleId :

SB-04-COMP

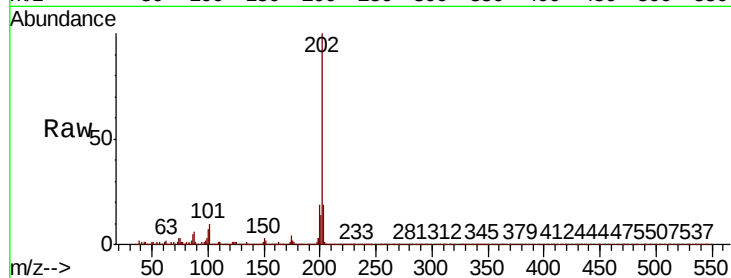
Tot Ion:202 Resp: 61435

Ion Ratio Lower Upper

202 100

101 10.3 0.0 30.0

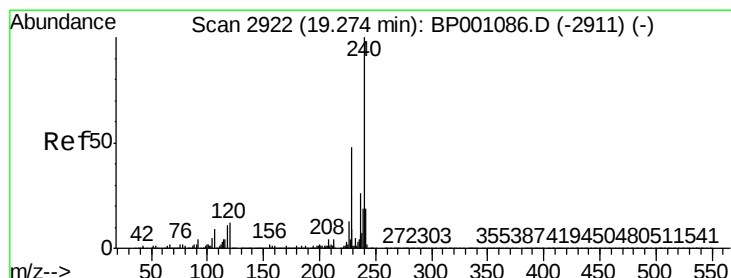
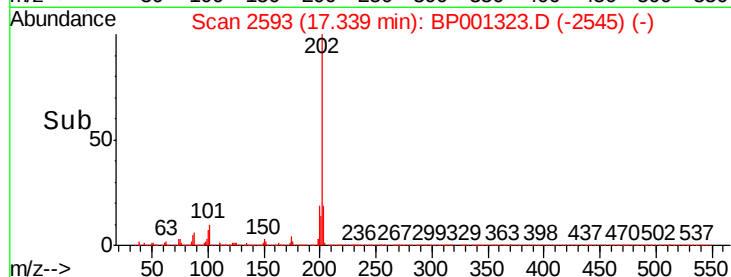
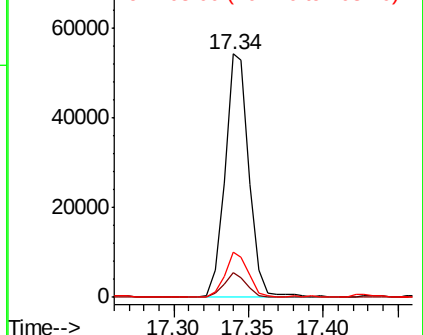
203 18.7 0.0 37.1



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: 19.24 min Scan# 2916

Delta R.T. -0.02 min

Lab File: BP001323.D

Acq: 11 Dec 2019 20:57

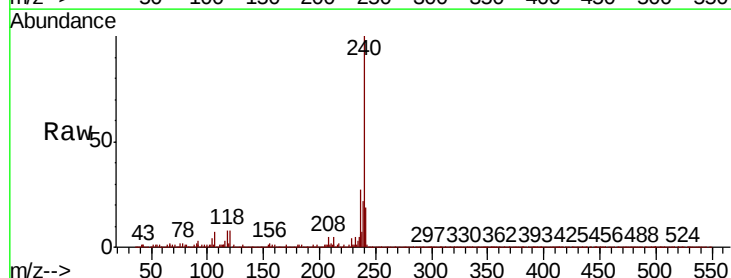
Tgt Ion:240 Resp: 196617

Ion Ratio Lower Upper

240 100

120 8.3 7.0 10.6

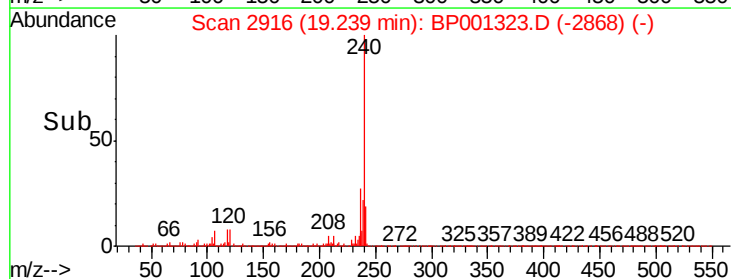
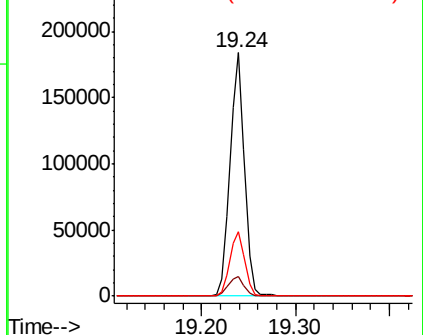
236 26.5 21.7 32.5

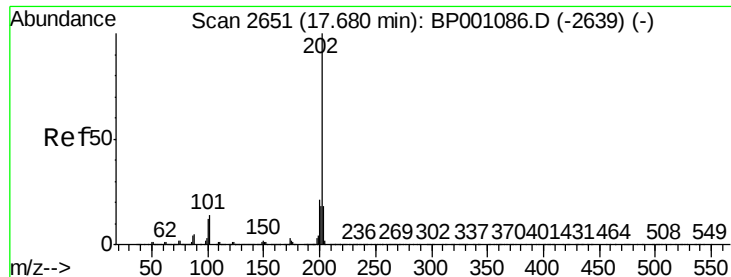


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

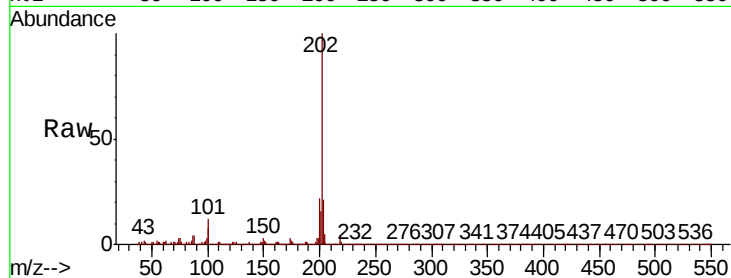




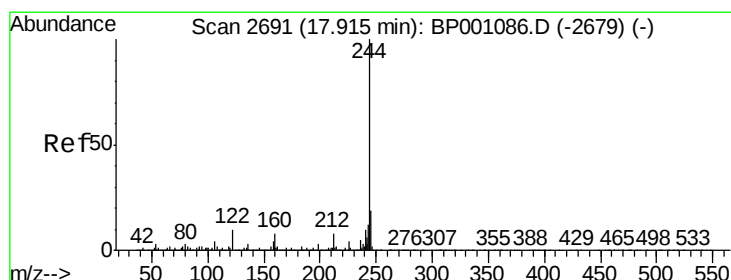
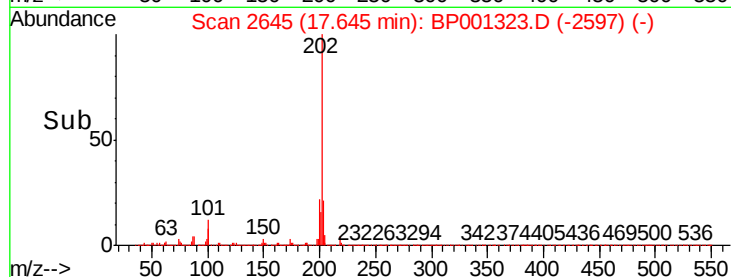
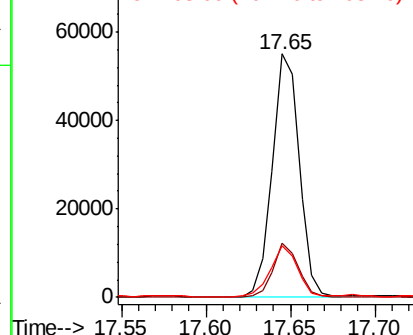
#78
Pvrene
Concen: 3.943 ng
RT: 17.65 min Scan# 2645
Delta R.T. -0.02 min
Lab File: BP001323.D
Acq: 11 Dec 2019 20:57

Instrument :
BNA_P
ClientSampleId :
SB-04-COMP

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.3	17.3	25.9
203	21.0	13.8	20.8

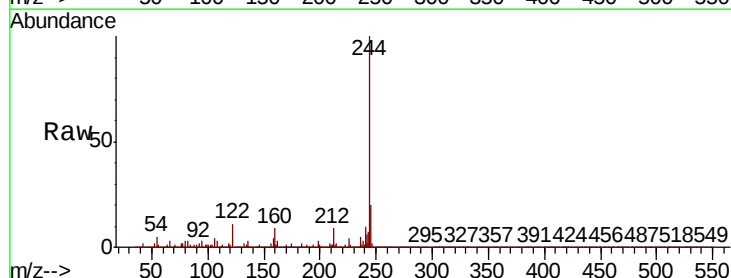


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

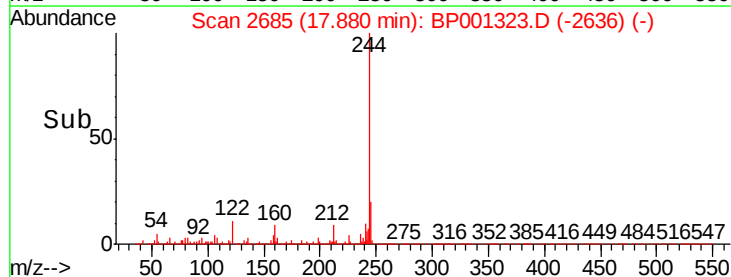
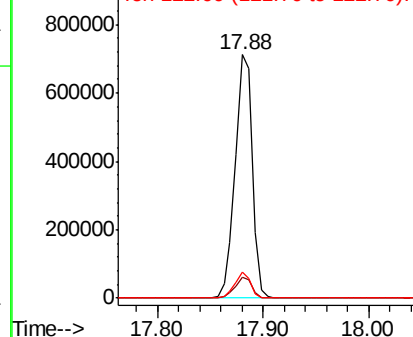


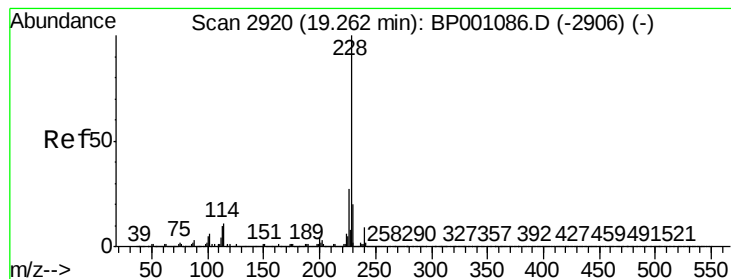
#79
Terphenyl-d14
Concen: 74.528 ng
RT: 17.88 min Scan# 2685
Delta R.T. -0.01 min
Lab File: BP001323.D
Acq: 11 Dec 2019 20:57

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.5	6.6	9.8
122	10.6	9.2	13.8



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: 3.184 ng

RT: 19.23 min Scan# 2914

Delta R.T. -0.01 min

Lab File: BP001323.D

Acq: 11 Dec 2019 20:57

Instrument :

BNA_P

ClientSampleId :

SB-04-COMP

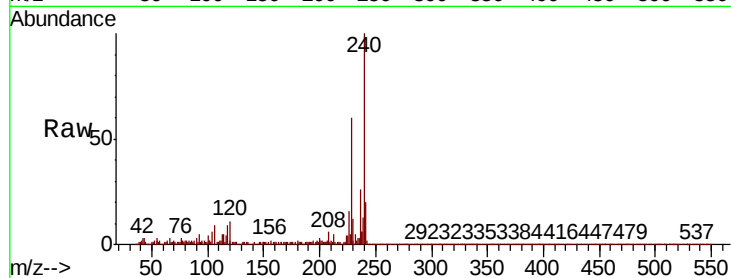
Tot Ion:228 Resp: 43409

Ion Ratio Lower Upper

228 100

226 26.1 21.7 32.5

229 19.6 15.8 23.6

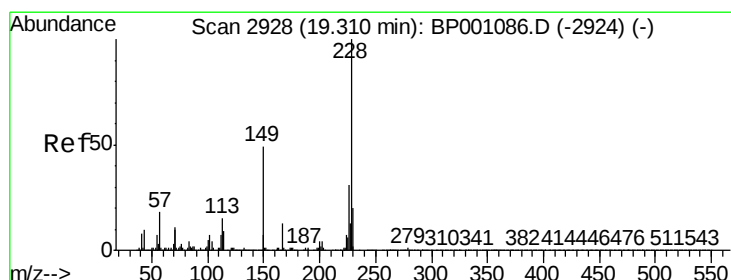
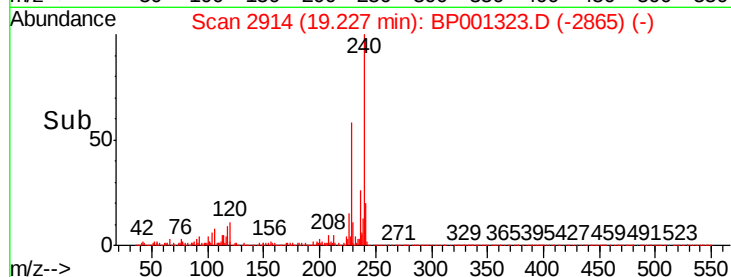
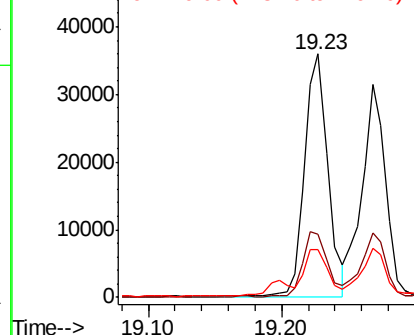


Abundance

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



#83

Chrysene

Concen: 3.556 ng

RT: 19.23 min Scan# 2914

Delta R.T. -0.06 min

Lab File: BP001323.D

Acq: 11 Dec 2019 20:57

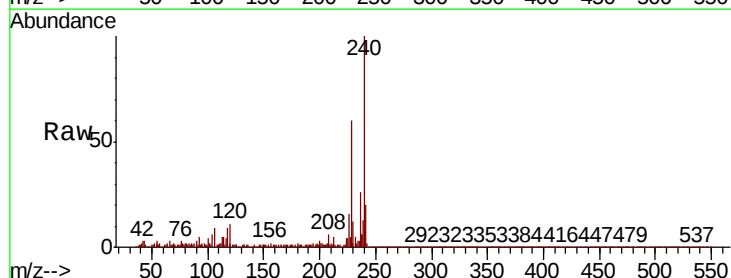
Tgt Ion:228 Resp: 43409

Ion Ratio Lower Upper

228 100

226 26.1 23.7 35.5

229 19.6 15.2 22.8

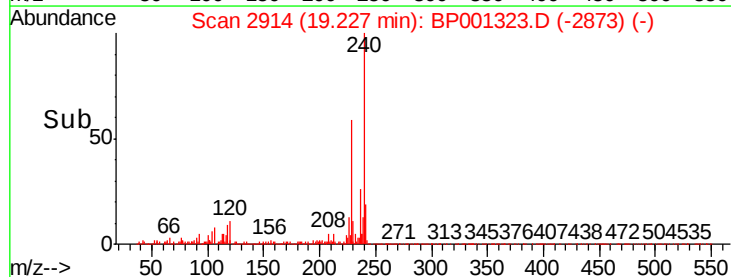
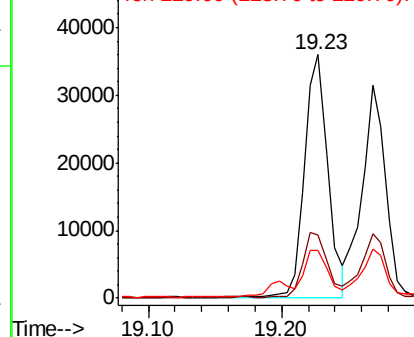


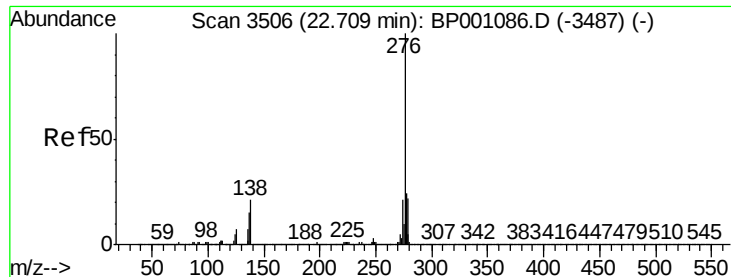
Abundance

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

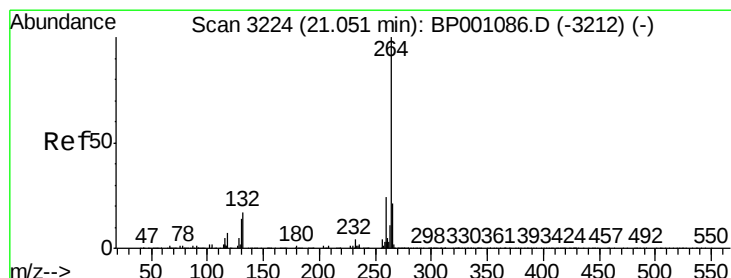
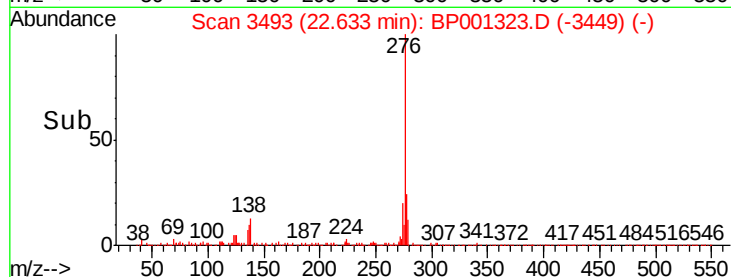
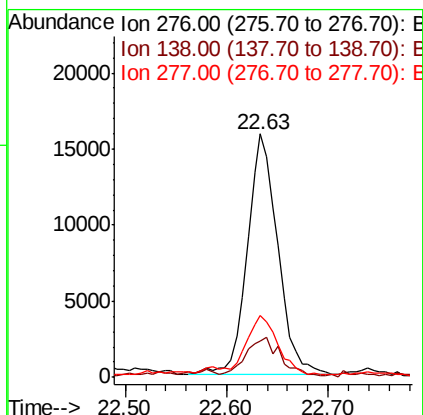
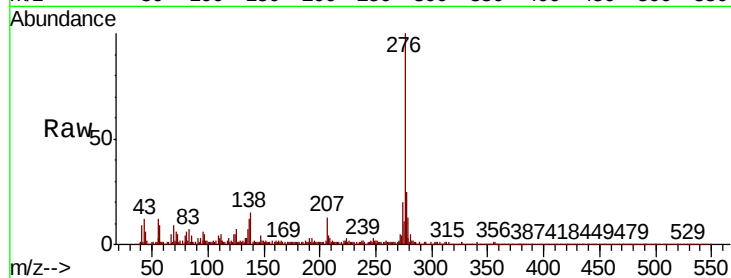




#86
Indeno(1,2,3-cd)pyrene
Concen: 2.302 ng
RT: 22.63 min Scan# 3493
Delta R.T. -0.04 min
Lab File: BP001323.D
Acq: 11 Dec 2019 20:57

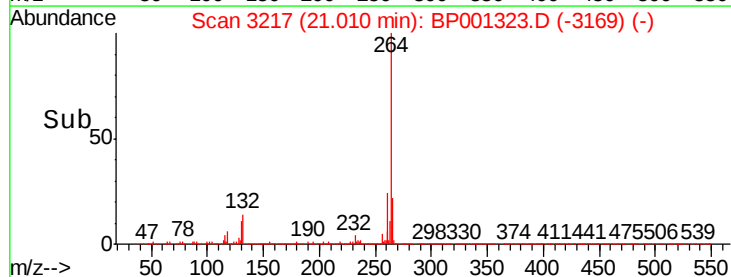
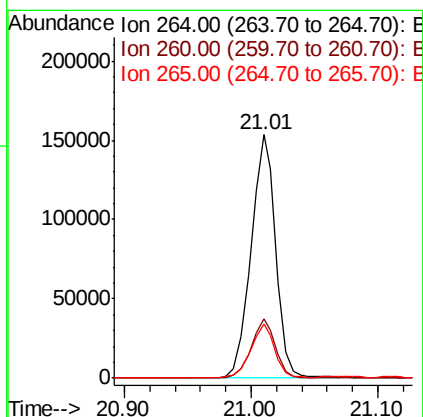
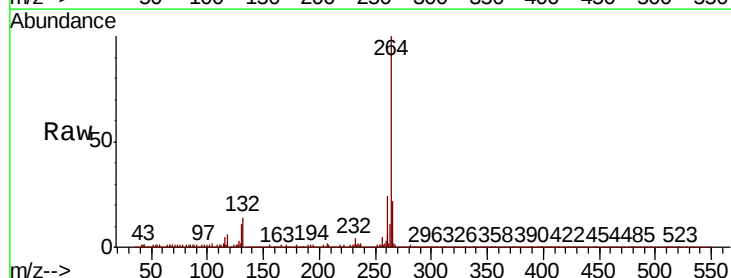
Instrument :
BNA_P
ClientSampleId :
SB-04-COMP

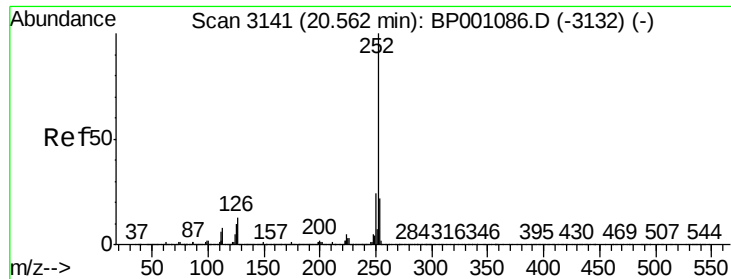
Tot Ion:276 Resp: 33121
Ion Ratio Lower Upper
276 100
138 17.9 17.9 26.9#
277 24.8 20.1 30.1



#87
Perylene-d12
Concen: 20.000 ng
RT: 21.01 min Scan# 3217
Delta R.T. -0.02 min
Lab File: BP001323.D
Acq: 11 Dec 2019 20:57

Tgt Ion:264 Resp: 207404
Ion Ratio Lower Upper
264 100
260 24.4 19.4 29.0
265 22.1 17.1 25.7





#88

Benzo(b)fluoranthene

Concen: 6.415 ng

RT: 20.52 min Scan# 3134

Delta R.T. -0.02 min

Lab File: BP001323.D

Acq: 11 Dec 2019 20:57

Instrument :

BNA_P

ClientSampled :

SB-04-COMP

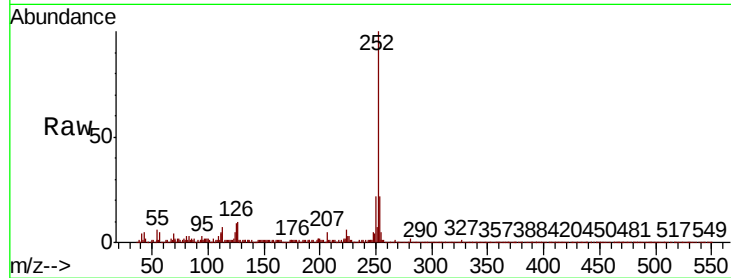
Tot Ion:252 Resp: 81267

Ion Ratio Lower Upper

252 100

253 22.1 17.0 25.6

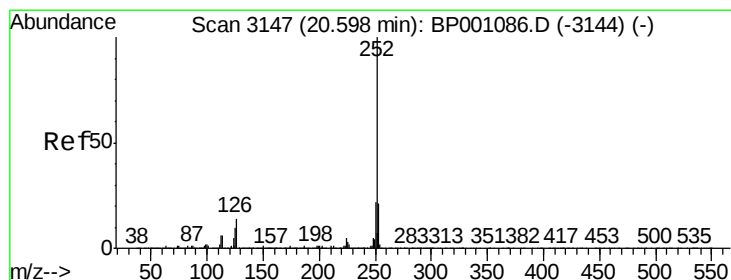
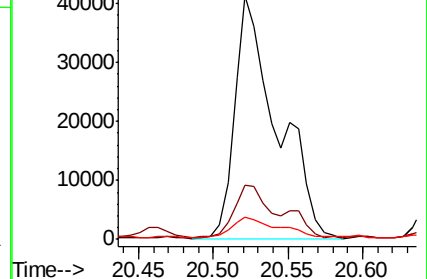
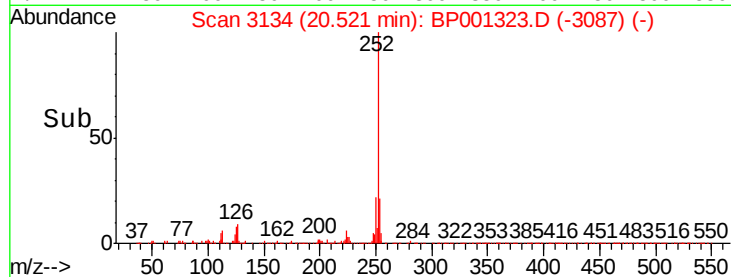
125 8.9 6.6 9.8



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: 6.660 ng

RT: 20.52 min Scan# 3134

Delta R.T. -0.06 min

Lab File: BP001323.D

Acq: 11 Dec 2019 20:57

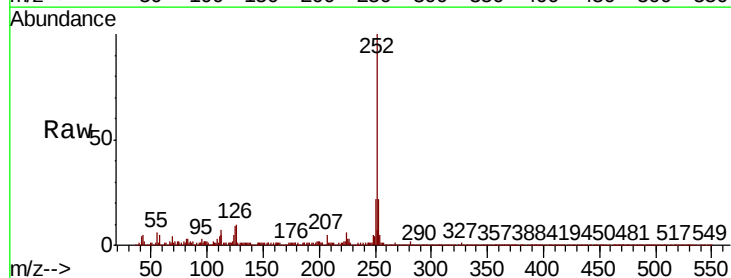
Tgt Ion:252 Resp: 81267

Ion Ratio Lower Upper

252 100

253 22.1 17.2 25.8

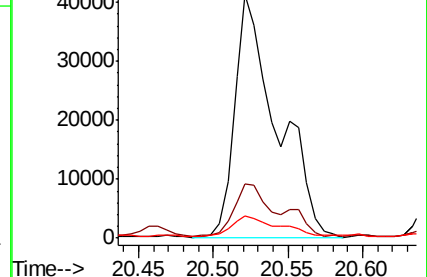
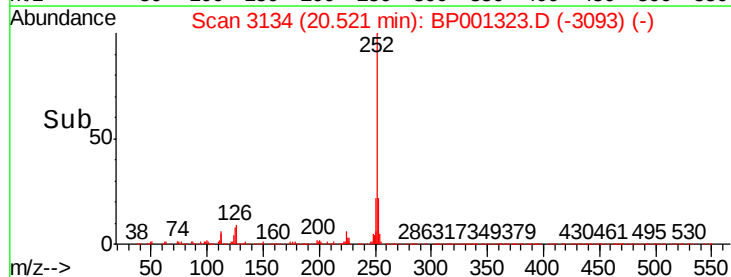
125 8.9 6.2 9.4

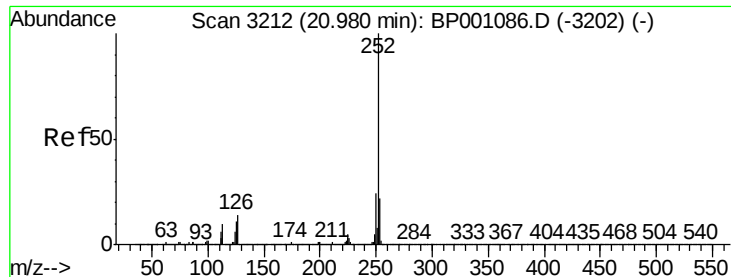


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 3.941 ng

RT: 20.94 min Scan# 3205

Delta R.T. -0.02 min

Lab File: BP001323.D

Acq: 11 Dec 2019 20:57

Instrument :

BNA_P

ClientSampleId :

SB-04-COMP

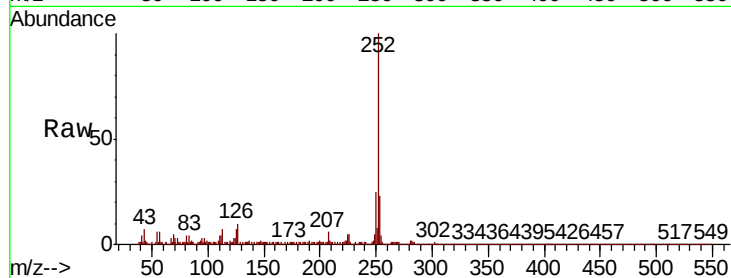
Tot Ion:252 Resp: 45989

Ion Ratio Lower Upper

252 100

253 22.7 16.8 25.2

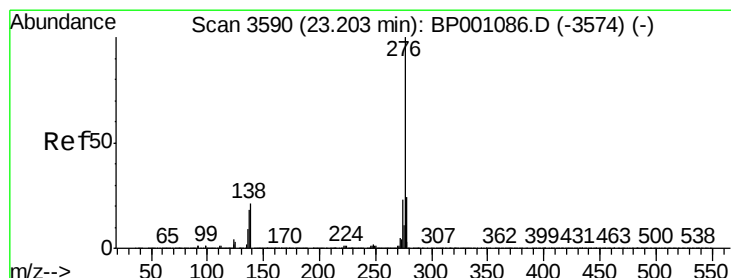
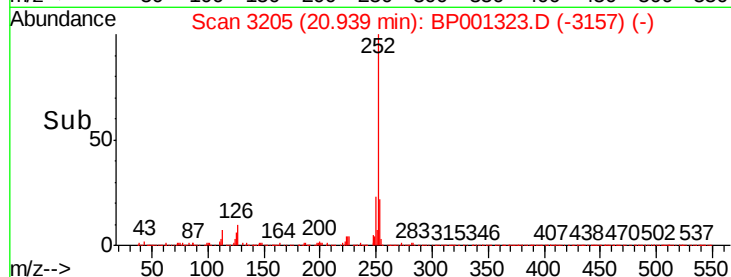
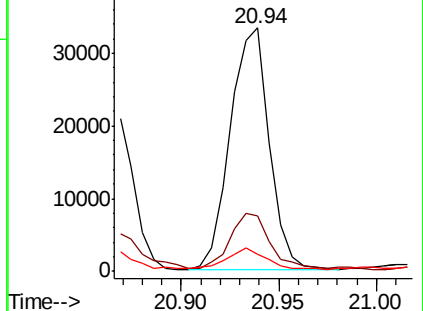
125 7.0 7.8 11.6#



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



#92

Benzo(g,h,i)perylene

Concen: 2.990 ng

RT: 23.12 min Scan# 3576

Delta R.T. -0.05 min

Lab File: BP001323.D

Acq: 11 Dec 2019 20:57

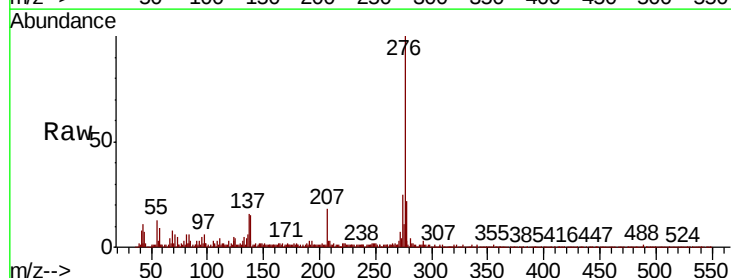
Tgt Ion:276 Resp: 33709

Ion Ratio Lower Upper

276 100

277 22.0 18.6 28.0

138 18.0 15.6 23.4



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

