

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120519\
 Data File : BP001222.D
 Acq On : 05 Dec 2019 20:27
 Operator : JU
 Sample : K5977-02RE
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Dec 06 05:09:59 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	8.31	152	91165	20.00	ng	0.00
21) Naphthalene-d8	10.35	136	327040	20.00	ng	0.00
39) Acenaphthene-d10	13.20	164	180416	20.00	ng	0.00
64) Phenanthrene-d10	15.60	188	351564	20.00	ng	0.00
76) Chrysene-d12	19.25	240	303554	20.00	ng	-0.01
87) Perylene-d12	21.02	264	322042	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	6.22	112	217153	39.52	ng	0.00
7) Phenol-d6	7.76	99	625884	85.50	ng	0.00
23) Nitrobenzene-d5	9.19	82	460294	61.06	ng	0.00
42) 2,4,6-Tribromophenol	14.50	330	1665	0.96	ng	0.00
45) 2-Fluorobiphenyl	12.13	172	740867	60.10	ng	0.00
79) Terphenyl-d14	17.89	244	920522	56.10	ng	0.00

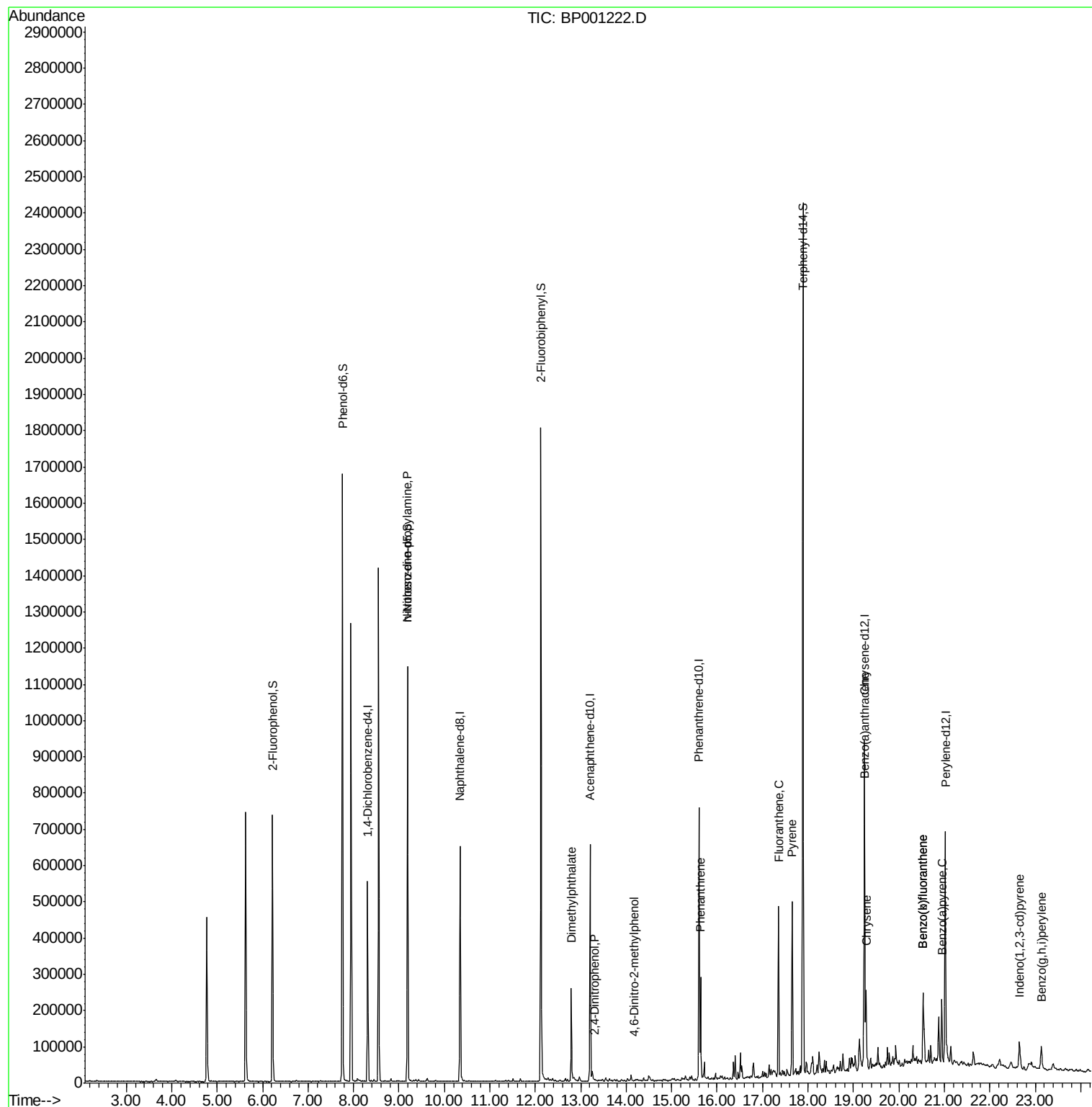
Target Compounds				Qvalue		
9) Benzaldehyde	7.61	77	395	Below Cal		92
19) n-Nitroso-di-n-propylamine	9.19	70	65512	12.402 ng	#	78
50) Dimethylphthalate	12.79	163	127139	9.422 ng		98
54) 2,4-Dinitrophenol	13.31	184	11	7.118 ng	#	1
65) 4,6-Dinitro-2-methylphenol	14.17	198	5	6.279 ng	#	1
71) Phenanthrene	15.64	178	123218	6.667 ng		99
75) Fluoranthene	17.35	202	219701	11.228 ng		98
78) Pyrene	17.65	202	219861	9.196 ng		97
81) Benzo(a)anthracene	19.23	228	105970	5.035 ng		96
83) Chrysene	19.28	228	106493	5.651 ng		97
86) Indeno(1,2,3-cd)pyrene	22.65	276	56532	2.545 ng		98
88) Benzo(b)fluoranthene	20.53	252	164641	8.370 ng		99
89) Benzo(k)fluoranthene	20.53	252	164641	8.690 ng		99
90) Benzo(a)pyrene	20.94	252	90243	4.981 ng		97
92) Benzo(a,h,i)perylene	23.13	276	56755	3.242 ng		99

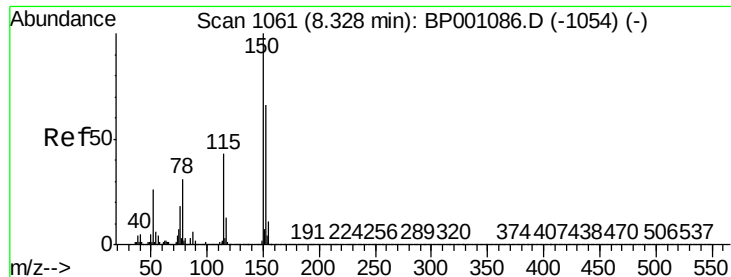
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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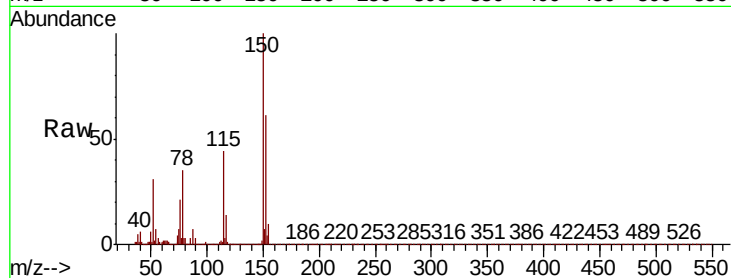




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.31 min Scan# 1058
 Delta R.T. -0.00 min
 Lab File: BP001222.D
 Acq: 05 Dec 2019 20:27

Instrument :
 BNA_P
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	164.1	127.3	190.9
115	72.4	56.0	84.0

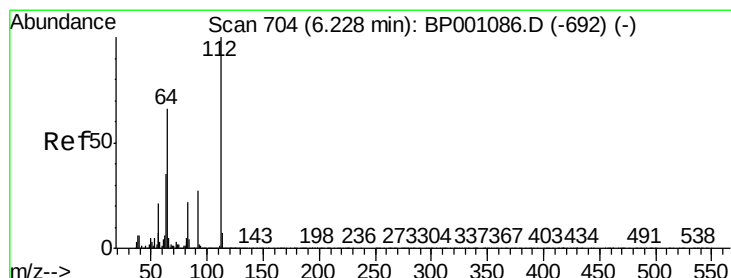
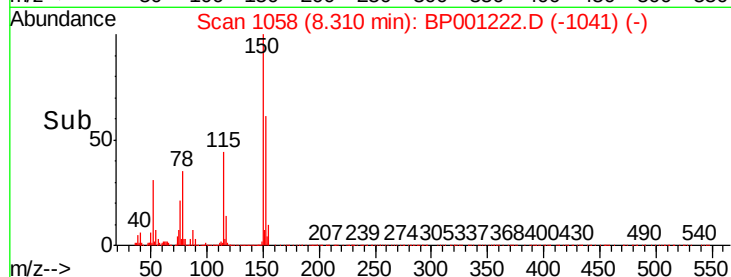
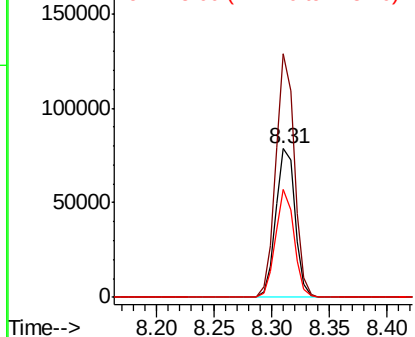


Abundance

Ion 152.00 (151.70 to 152.70): E

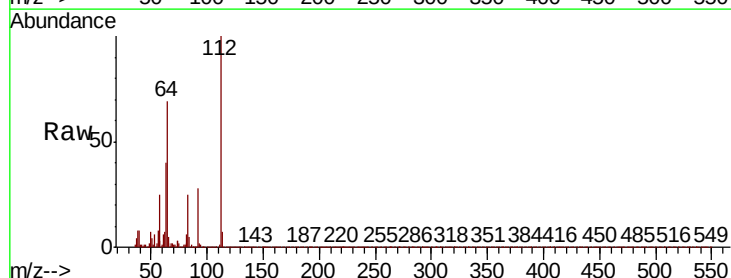
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 39.519 ng
 RT: 6.22 min Scan# 702
 Delta R.T. 0.01 min
 Lab File: BP001222.D
 Acq: 05 Dec 2019 20:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.5	56.8	85.2
63	39.9	32.2	48.2

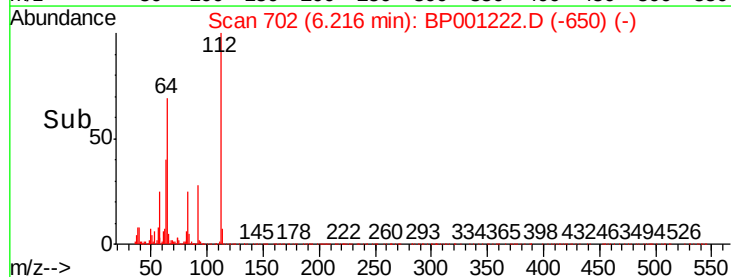
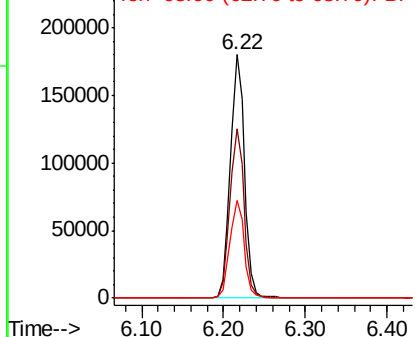


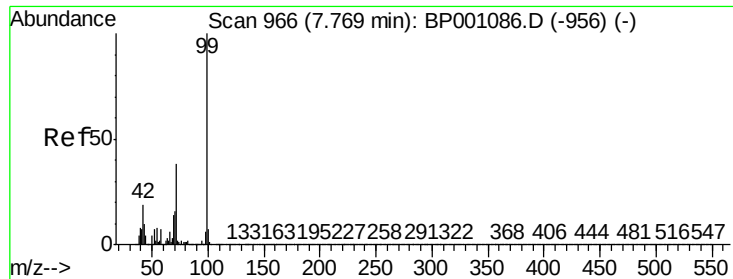
Abundance

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: 85.497 ng

RT: 7.76 min Scan# 964

Delta R.T. -0.01 min

Lab File: BP001222.D

Acq: 05 Dec 2019 20:27

Instrument :

BNA_P

ClientSampleId :

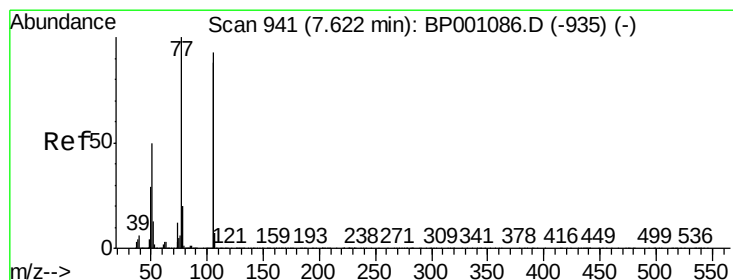
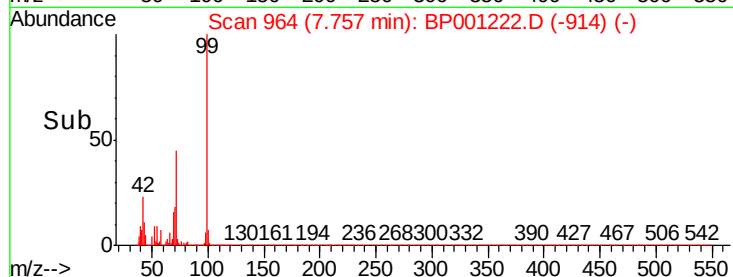
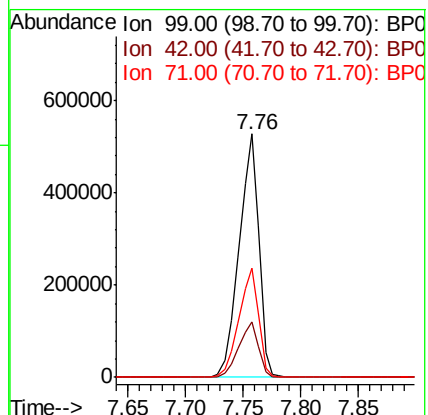
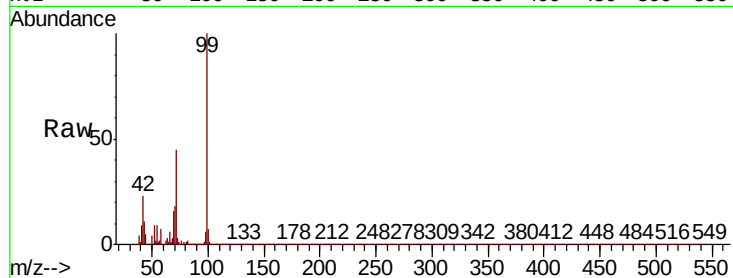
Tot Ion: 99 Resp: 625884

Ion Ratio Lower Upper

99 100

42 22.7 17.6 26.4

71 44.9 33.8 50.8



#9

Benzaldehyde

Concen: Below Cal

RT: 7.61 min Scan# 939

Delta R.T. -0.00 min

Lab File: BP001222.D

Acq: 05 Dec 2019 20:27

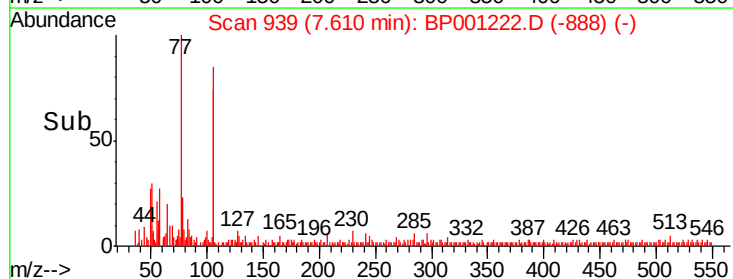
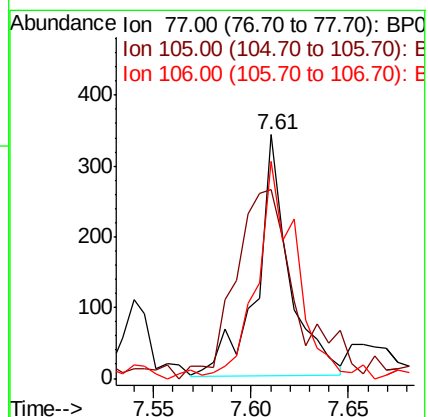
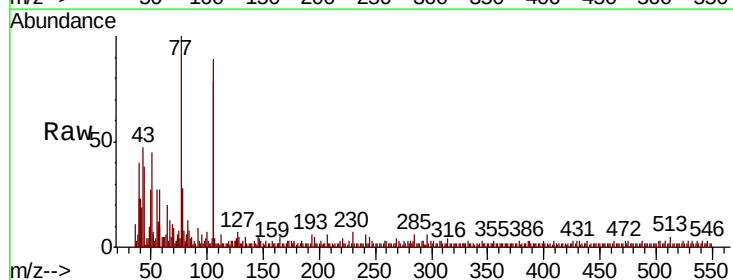
Tgt Ion: 77 Resp: 395

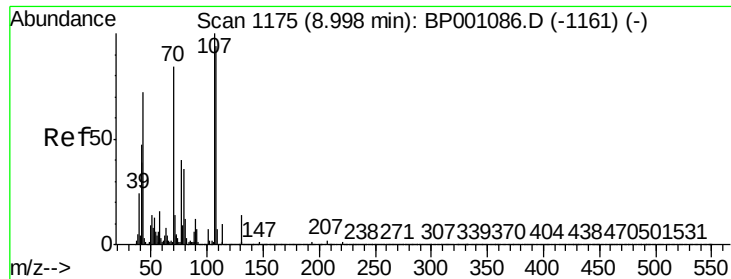
Ion Ratio Lower Upper

77 100

105 77.6 69.7 109.7

106 89.2 67.1 107.1

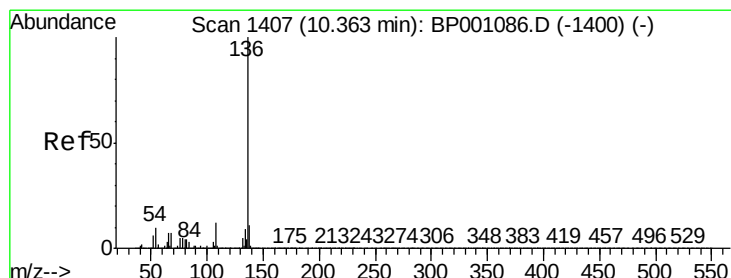
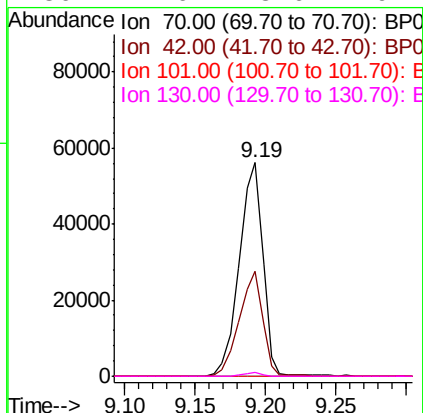
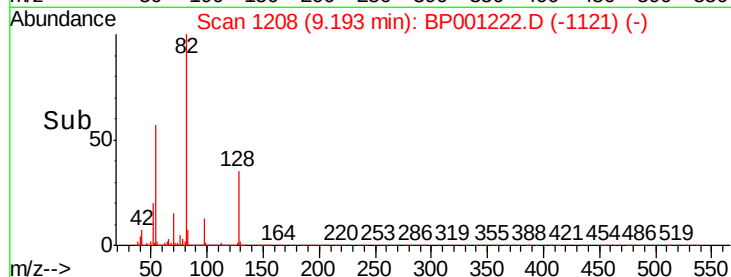
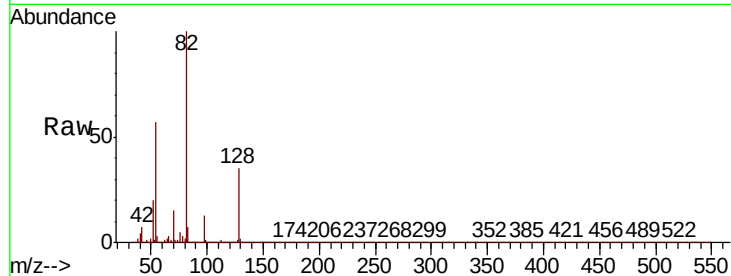




#19
n-Nitroso-di-n-propylamine
Concen: 12.402 ng
RT: 9.19 min Scan# 1208
Delta R.T. 0.21 min
Lab File: BP001222.D
Acq: 05 Dec 2019 20:27

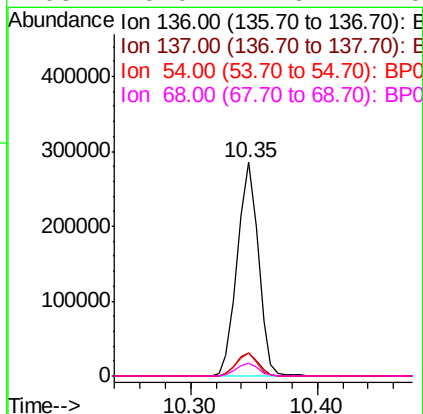
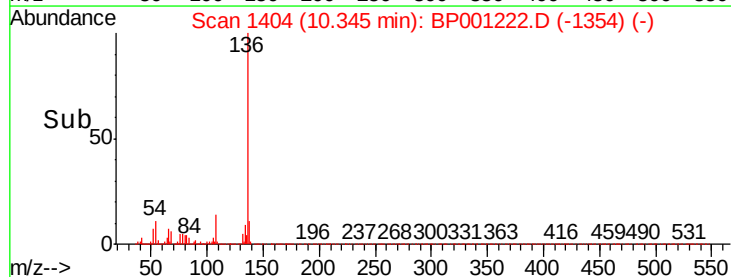
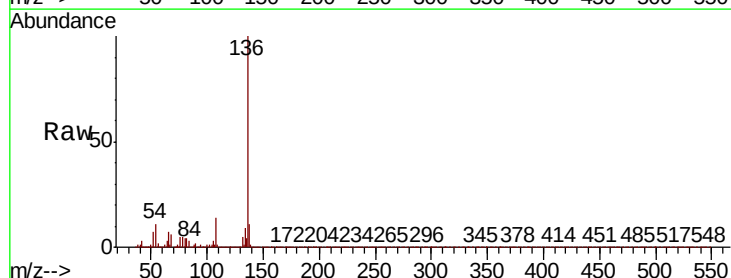
Instrument :
BNA_P
ClientSampleId :

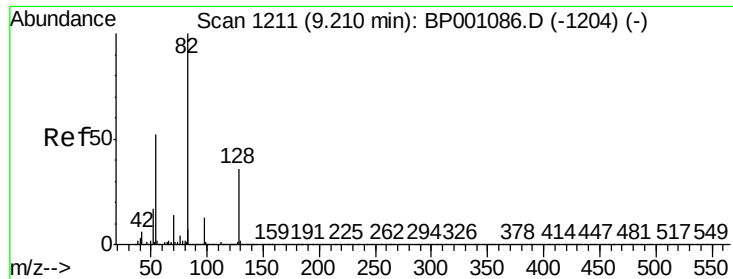
Tot Ion: 70 Resp: 65512
Ion Ratio Lower Upper
70 100
42 49.4 50.6 76.0#
101 0.0 7.1 10.7#
130 1.6 13.6 20.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.35 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BP001222.D
Acq: 05 Dec 2019 20:27

Tgt Ion: 136 Resp: 327040
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 11.0 7.4 11.0
68 6.0 4.6 7.0

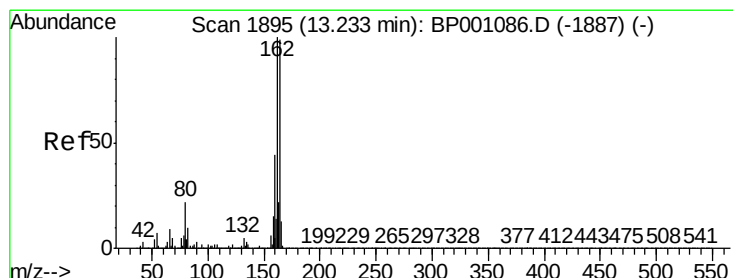
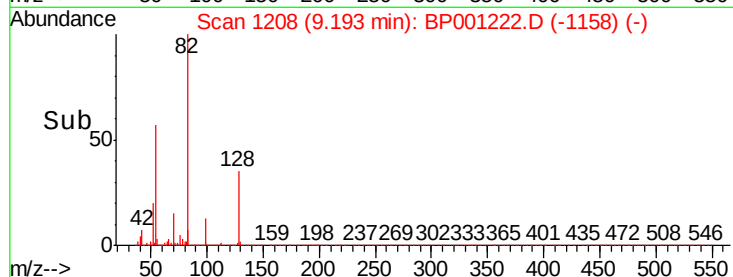
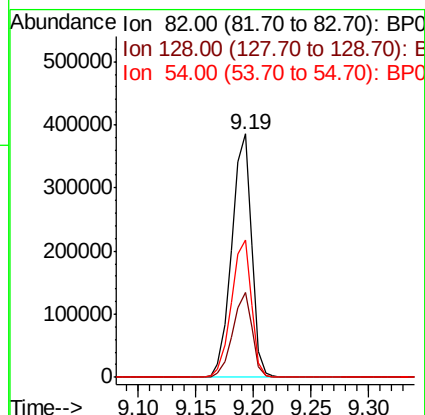
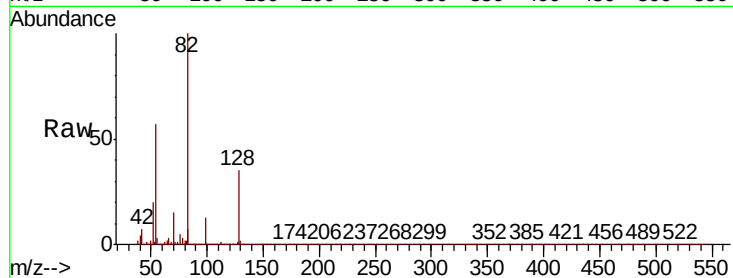




#23
Nitrobenzene-d5
Concen: 61.064 ng
RT: 9.19 min Scan# 1208
Delta R.T. -0.01 min
Lab File: BP001222.D
Acq: 05 Dec 2019 20:27

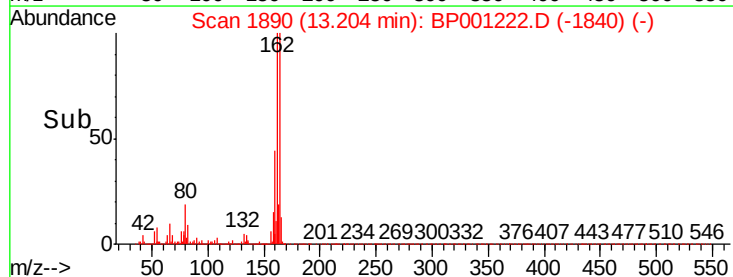
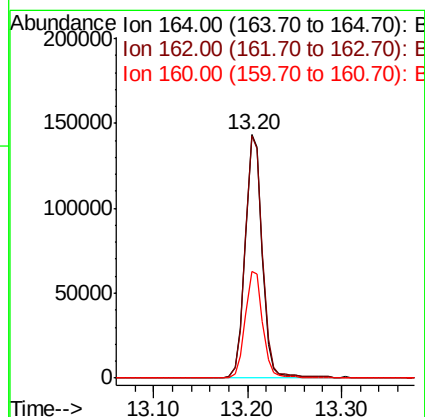
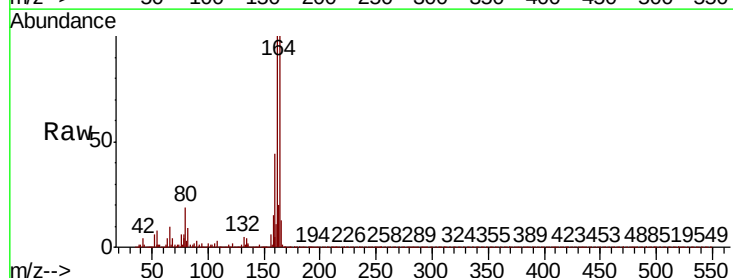
Instrument :
BNA_P
ClientSampleId :

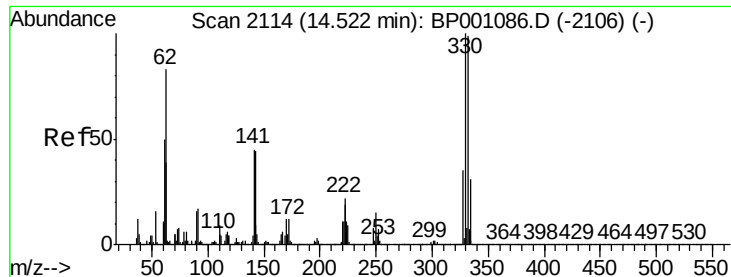
Tot Ion	Ratio	Lower	Upper
82	100		
128	34.7	27.5	41.3
54	56.7	45.7	68.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 13.20 min Scan# 1890
Delta R.T. -0.01 min
Lab File: BP001222.D
Acq: 05 Dec 2019 20:27

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.6	80.7	121.1
160	44.1	36.3	54.5

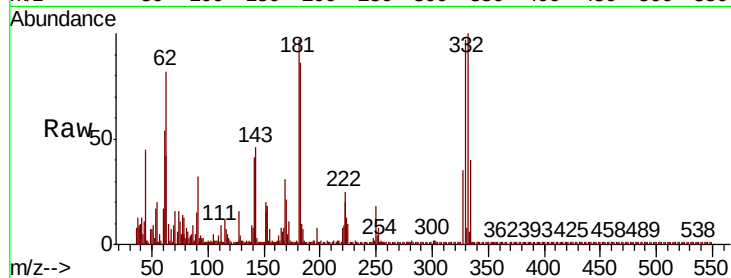




#42
2,4,6-Tribromophenol
Concen: 0.963 ng
RT: 14.50 min Scan# 2110
Delta R.T. -0.01 min
Lab File: BP001222.D
Acq: 05 Dec 2019 20:27

Instrument :
BNA_P
ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.9	79.1	118.7
141	51.2	35.9	53.9

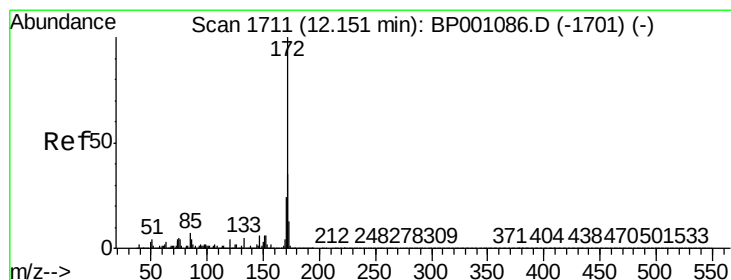
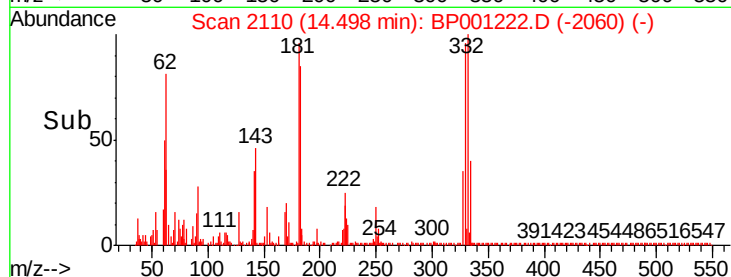
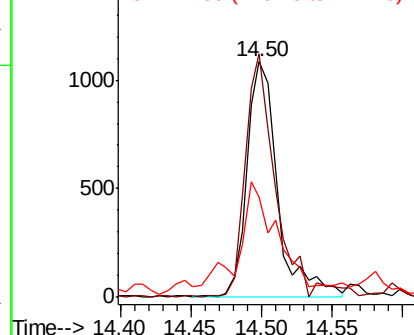


Abundance

Ion 329.80 (329.50 to 330.50): E

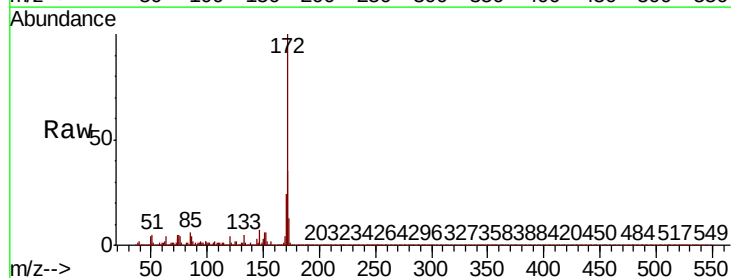
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
2-Fluorobiphenyl
Concen: 60.101 ng
RT: 12.13 min Scan# 1707
Delta R.T. -0.01 min
Lab File: BP001222.D
Acq: 05 Dec 2019 20:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.7	43.1
170	24.0	19.2	28.8

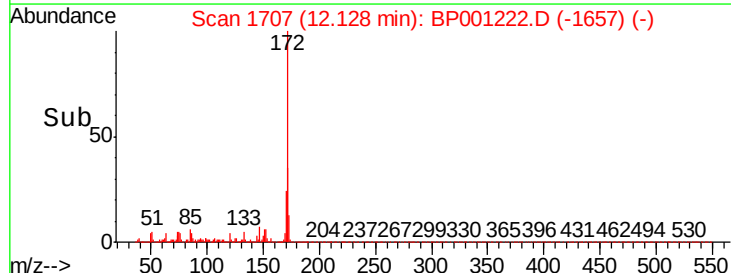
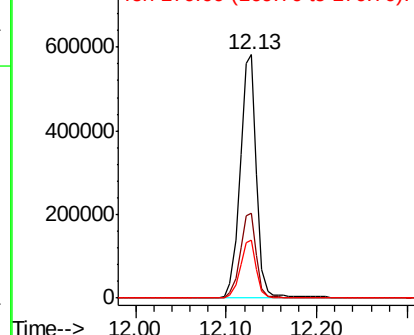


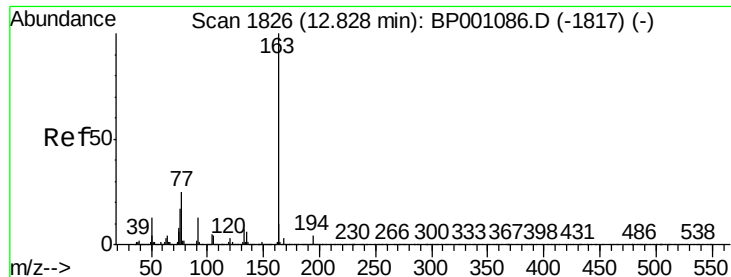
Abundance

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

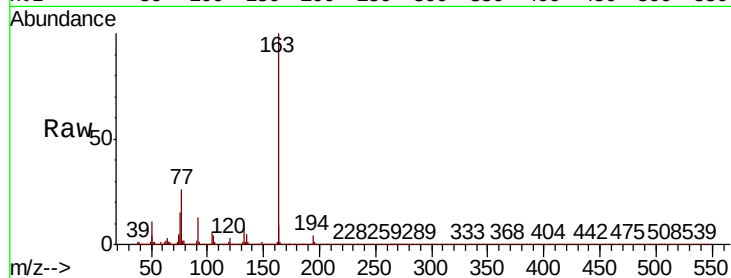




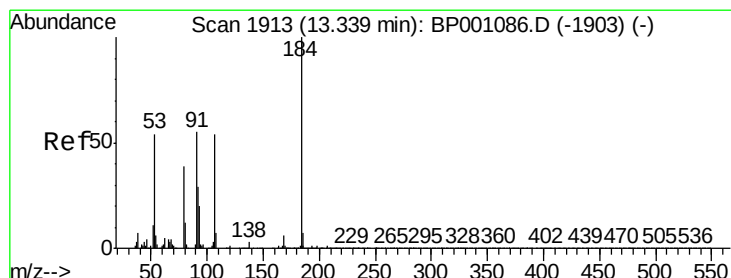
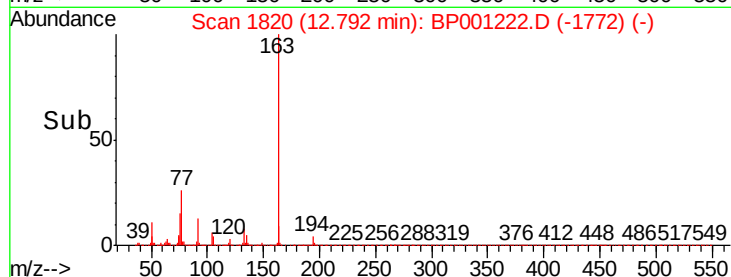
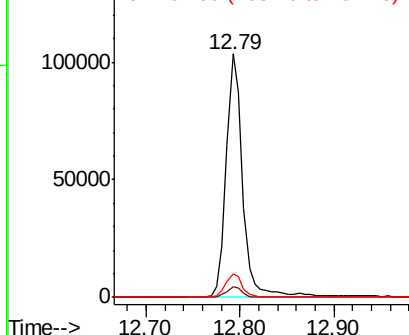
#50
Dimethylphthalate
Concen: 9.422 ng
RT: 12.79 min Scan# 1820
Delta R.T. -0.02 min
Lab File: BP001222.D
Acq: 05 Dec 2019 20:27

Instrument :
BNA_P
ClientSampled :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.1	4.7
164	9.4	8.2	12.4

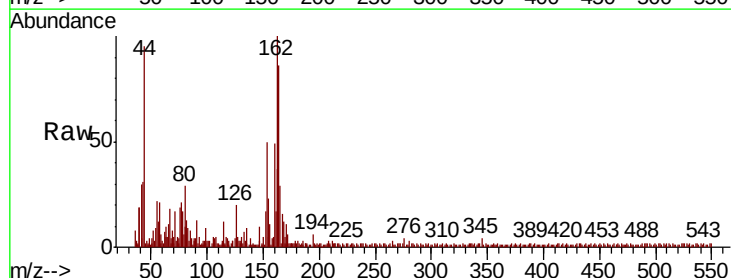


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

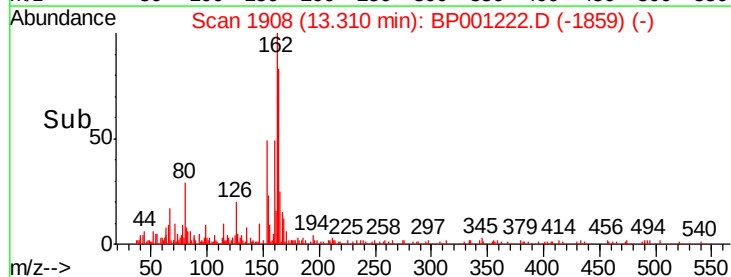
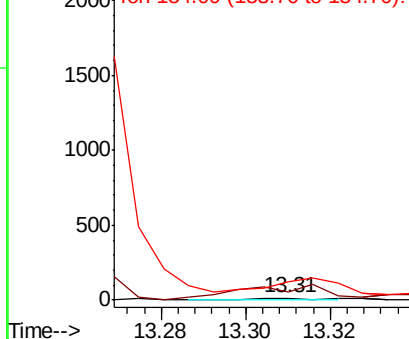


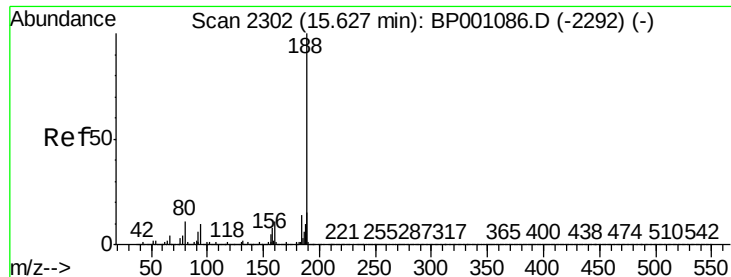
#54
2,4-Dinitrophenol
Concen: 7.118 ng
RT: 13.31 min Scan# 1908
Delta R.T. -0.01 min
Lab File: BP001222.D
Acq: 05 Dec 2019 20:27

Tgt Ion	Ratio	Lower	Upper
184	100		
63	600.0	69.4	104.0#
154	961.5	57.4	86.2#



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: 15.60 min Scan# 2298

Delta R.T. -0.01 min

Lab File: BP001222.D

Acq: 05 Dec 2019 20:27

Instrument :

BNA_P

ClientSampleId :

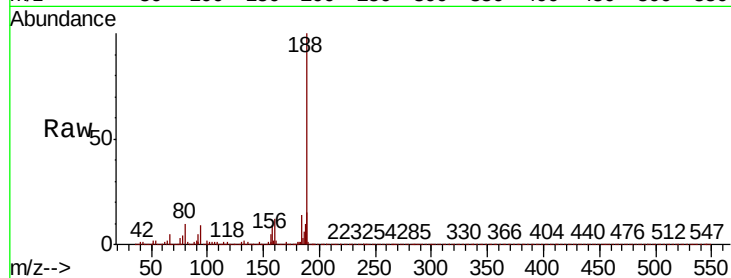
Tot Ion:188 Resp: 351564

Ion Ratio Lower Upper

188 100

94 9.2 7.1 10.7

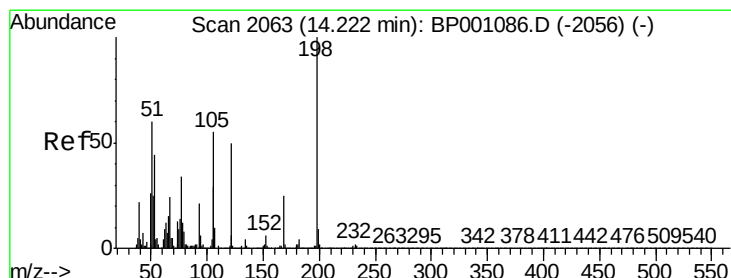
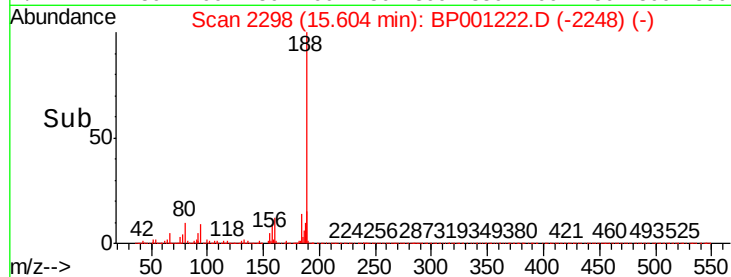
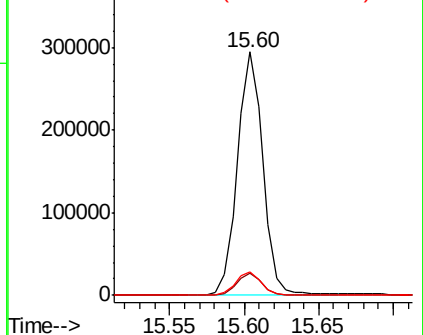
80 9.8 7.8 11.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0



#65

4,6-Dinitro-2-methylphenol

Concen: 6.279 ng

RT: 14.17 min Scan# 2055

Delta R.T. -0.04 min

Lab File: BP001222.D

Acq: 05 Dec 2019 20:27

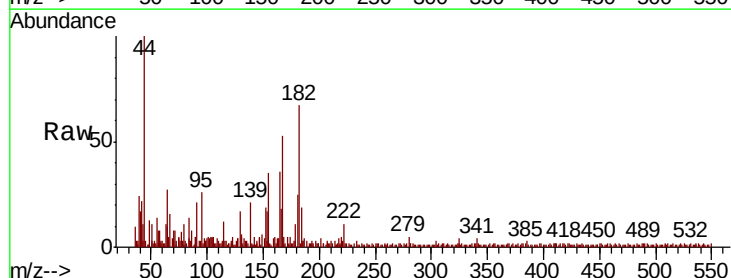
Tgt Ion:198 Resp: 5

Ion Ratio Lower Upper

198 100

51 712.5 36.2 76.2#

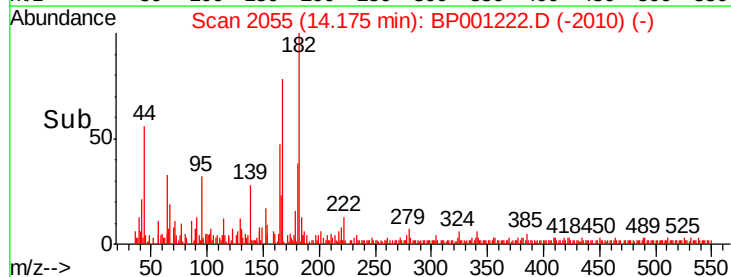
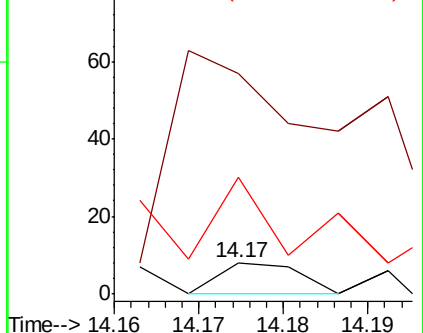
105 375.0 30.2 70.2#

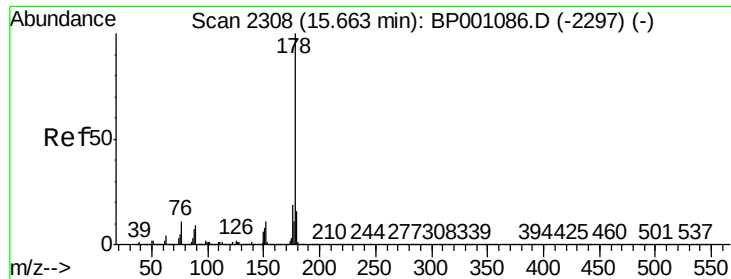


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BP0

Ion 105.00 (104.70 to 105.70): E

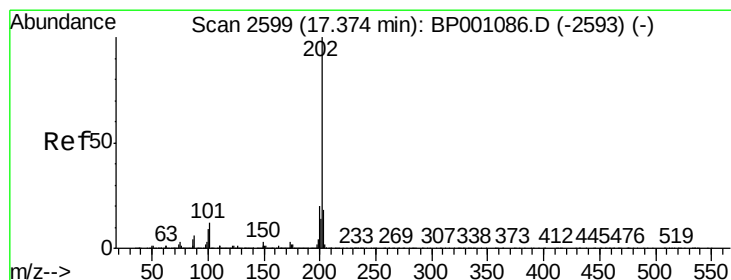
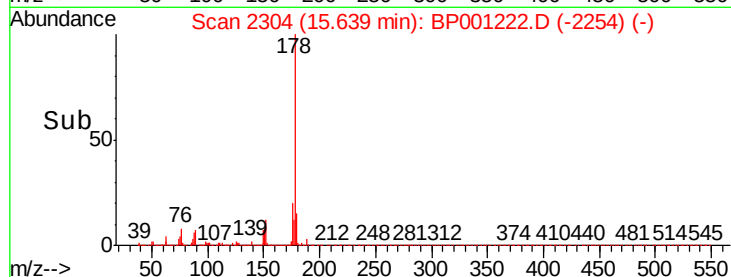
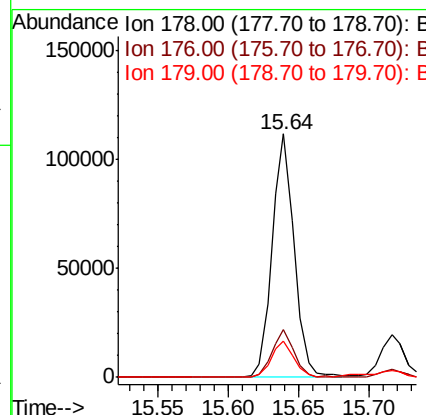
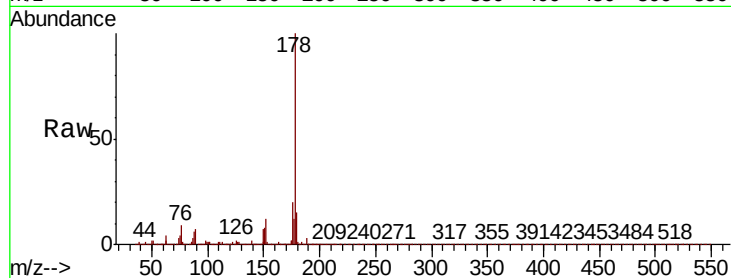




#71
Phenanthrene
Concen: 6.667 ng
RT: 15.64 min Scan# 2304
Delta R.T. -0.01 min
Lab File: BP001222.D
Acq: 05 Dec 2019 20:27

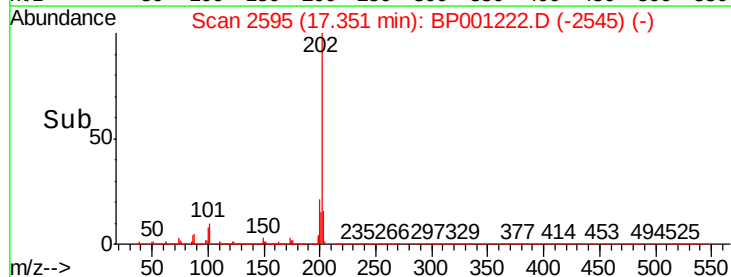
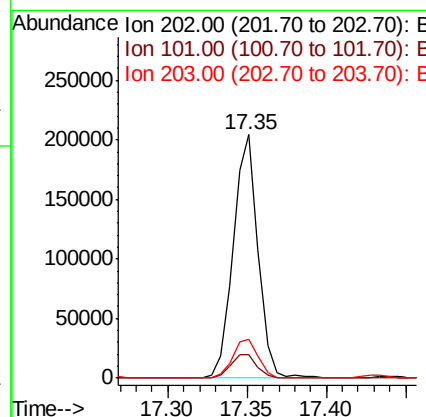
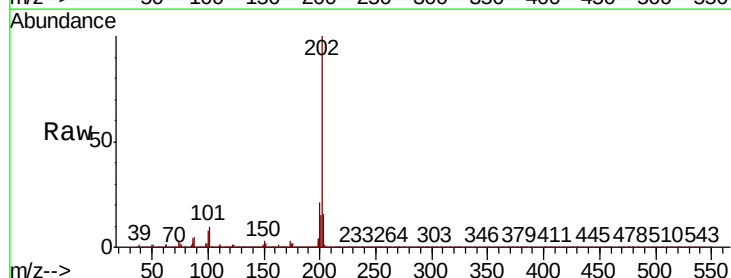
Instrument :
BNA_P
ClientSampled :

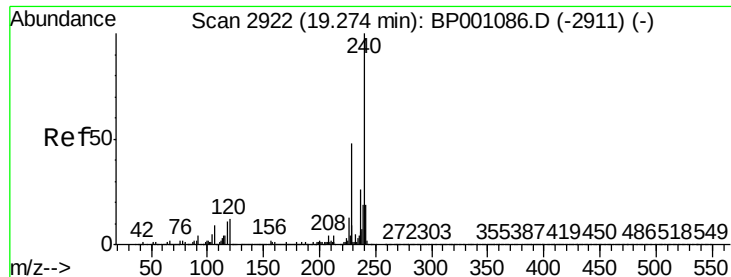
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.7	23.5
179	14.7	12.4	18.6



#75
Fluoranthene
Concen: 11.228 ng
RT: 17.35 min Scan# 2595
Delta R.T. -0.01 min
Lab File: BP001222.D
Acq: 05 Dec 2019 20:27

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	30.0
203	16.2	0.0	37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 19.25 min Scan# 2917

Delta R.T. -0.01 min

Lab File: BP001222.D

Acq: 05 Dec 2019 20:27

Instrument :

BNA_P

ClientSampleId :

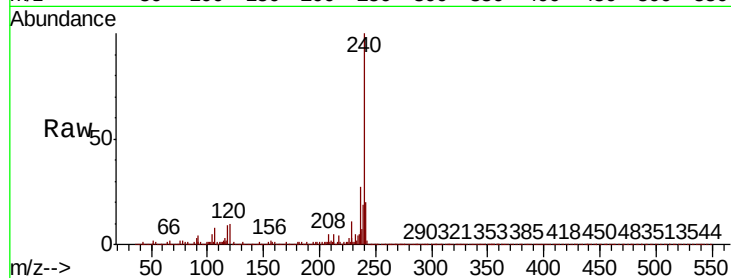
Tot Ion:240 Resp: 303554

Ion Ratio Lower Upper

240 100

120 10.2 7.0 10.6

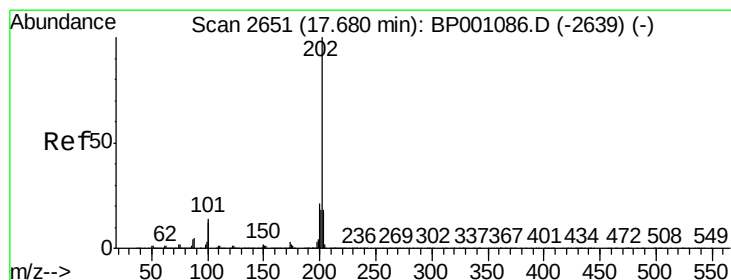
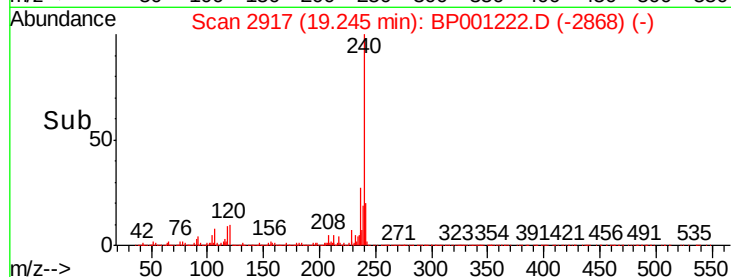
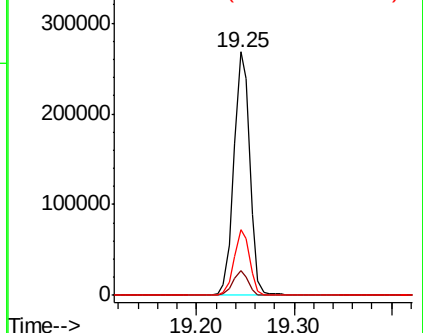
236 27.2 21.7 32.5



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

Pyrene

Concen: 9.196 ng

RT: 17.65 min Scan# 2646

Delta R.T. -0.01 min

Lab File: BP001222.D

Acq: 05 Dec 2019 20:27

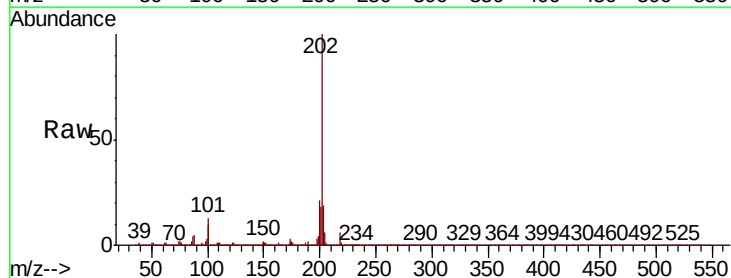
Tgt Ion:202 Resp: 219861

Ion Ratio Lower Upper

202 100

200 21.0 17.3 25.9

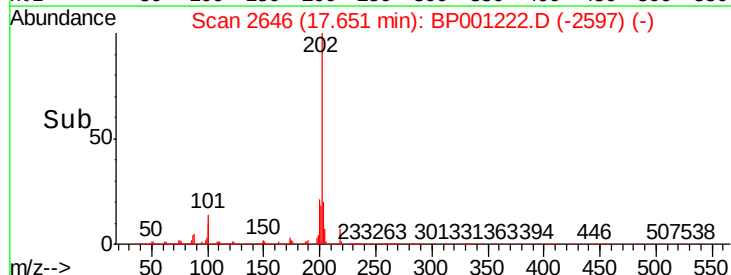
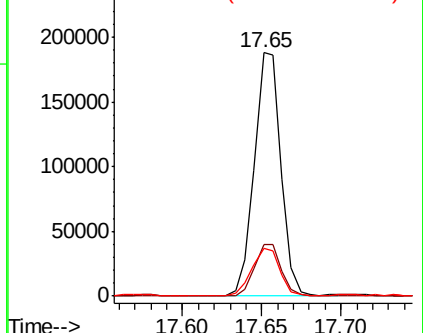
203 19.4 13.8 20.8

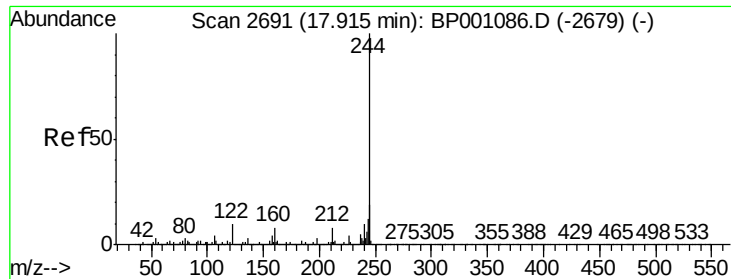


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

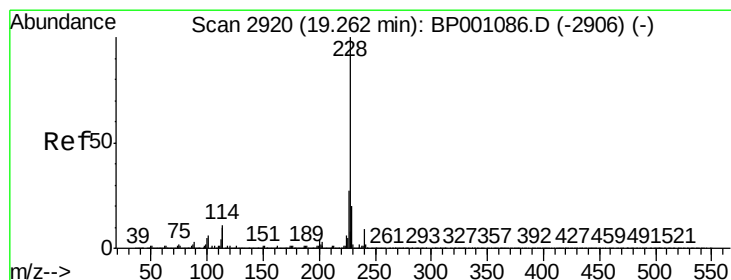
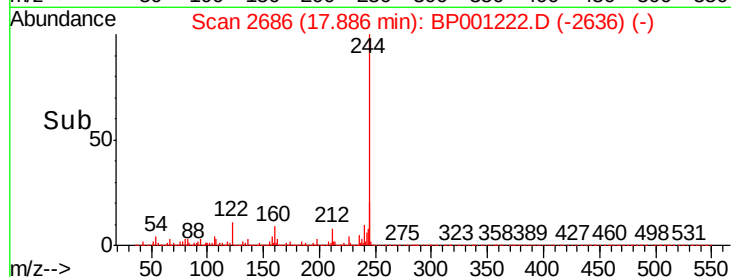
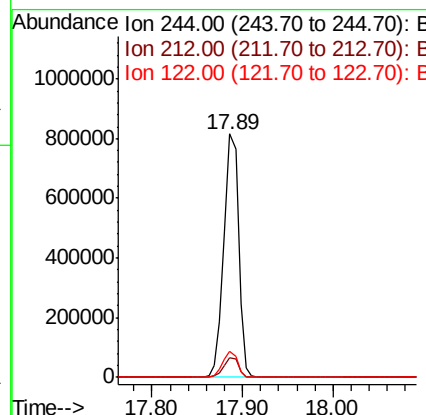
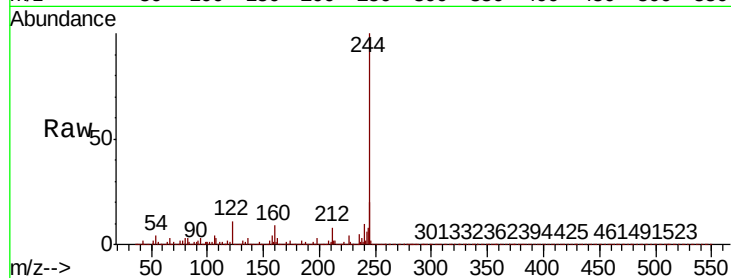




#79
 Terphenyl-d14
 Concen: 56.104 ng
 RT: 17.89 min Scan# 2686
 Delta R.T. -0.01 min
 Lab File: BP001222.D
 Acq: 05 Dec 2019 20:27

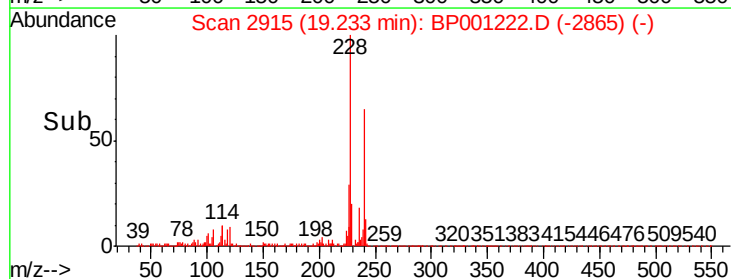
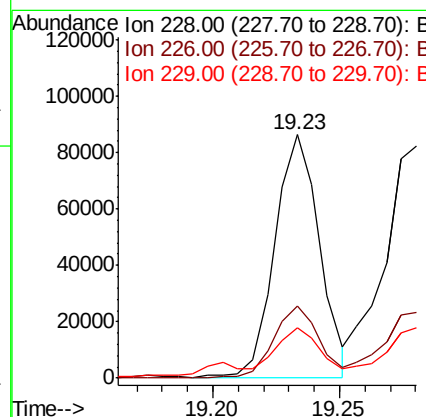
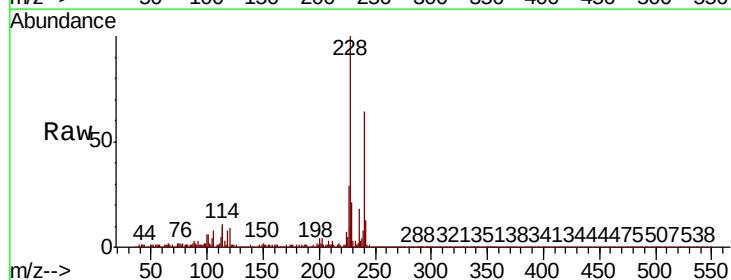
Instrument :
 BNA_P
 ClientSampleId :

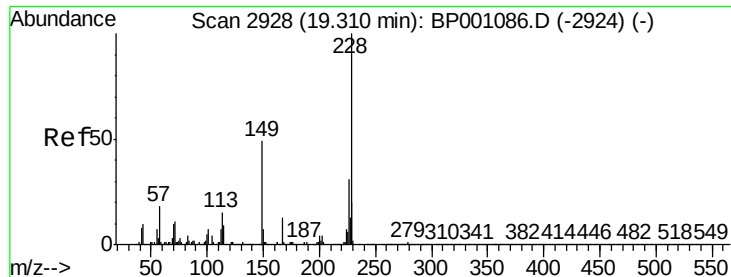
Tot Ion:244 Resp: 920522
 Ion Ratio Lower Upper
 244 100
 212 8.3 6.6 9.8
 122 10.7 9.2 13.8



#81
 Benzo(a)anthracene
 Concen: 5.035 ng
 RT: 19.23 min Scan# 2915
 Delta R.T. -0.01 min
 Lab File: BP001222.D
 Acq: 05 Dec 2019 20:27

Tgt Ion:228 Resp: 105970
 Ion Ratio Lower Upper
 228 100
 226 29.4 21.7 32.5
 229 20.8 15.8 23.6

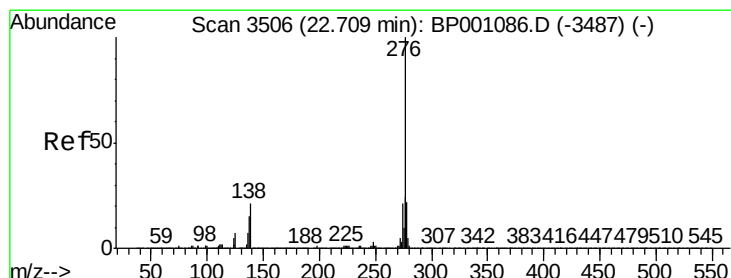
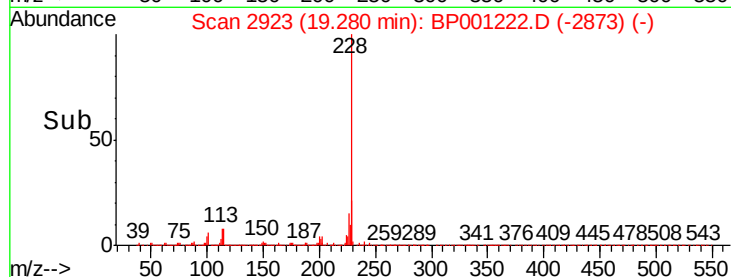
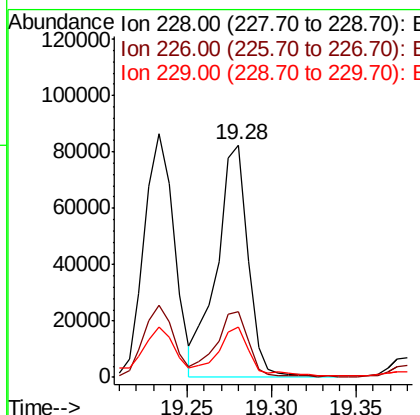
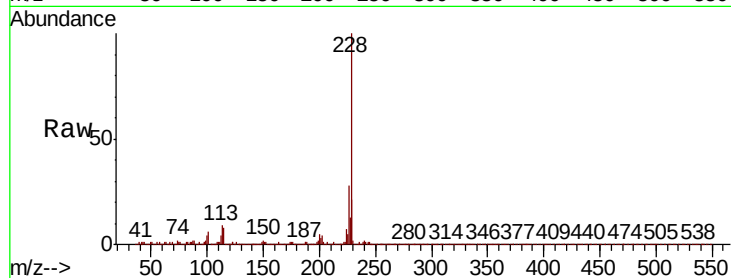




#83
Chrysene
Concen: 5.651 ng
RT: 19.28 min Scan# 2923
Delta R.T. -0.01 min
Lab File: BP001222.D
Acq: 05 Dec 2019 20:27

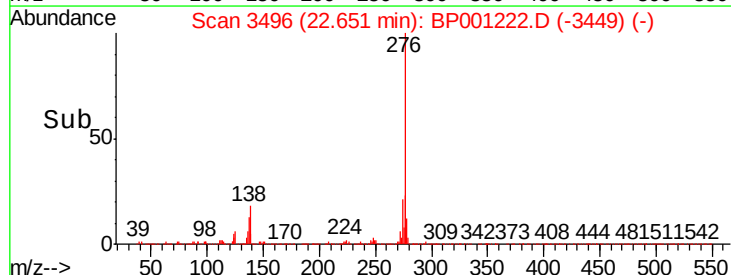
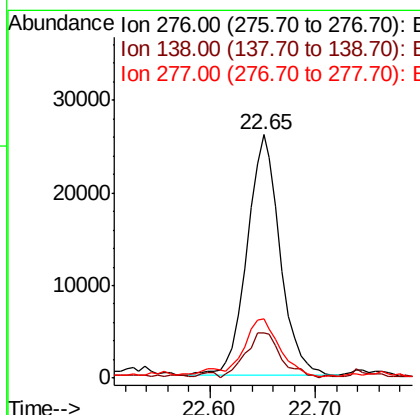
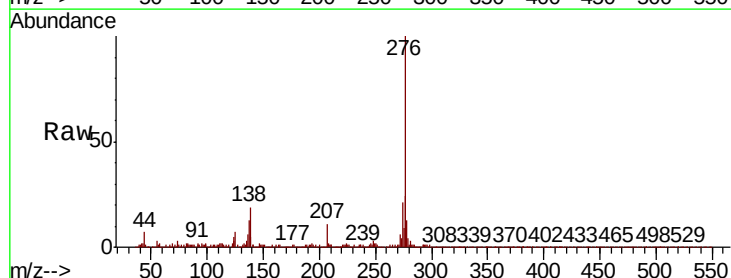
Instrument :
BNA_P
ClientSampled :

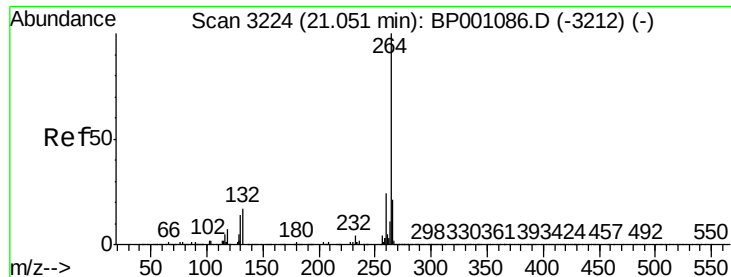
Tot Ion	Ratio	Lower	Upper
228	100		
226	28.5	23.7	35.5
229	21.4	15.2	22.8



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.545 ng
RT: 22.65 min Scan# 3496
Delta R.T. -0.02 min
Lab File: BP001222.D
Acq: 05 Dec 2019 20:27

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.6	17.9	26.9
277	24.8	20.1	30.1

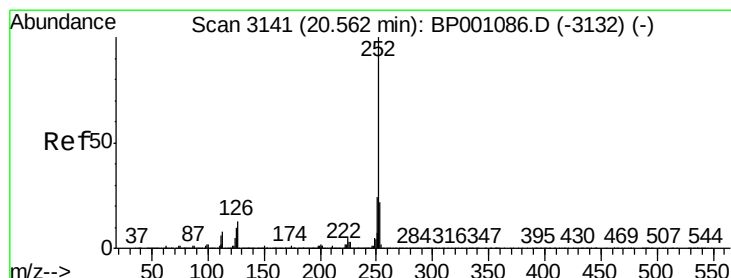
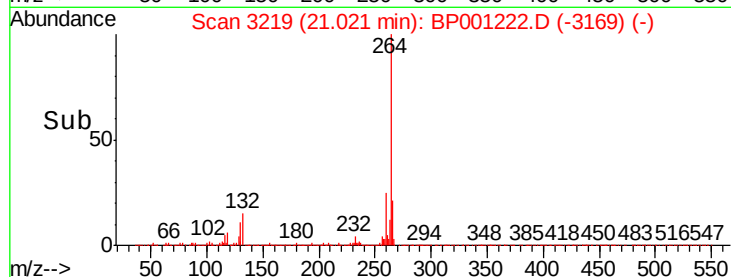
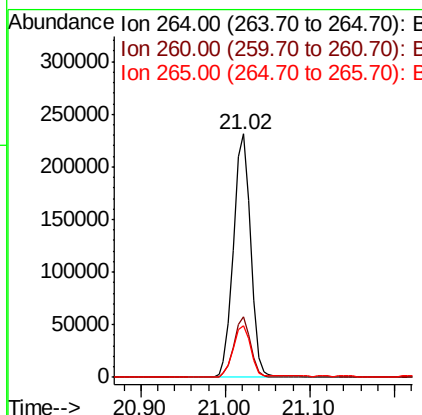
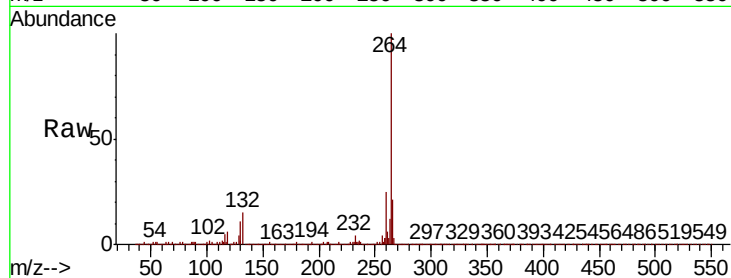




#87
Pervlene-d12
Concen: 20.000 ng
RT: 21.02 min Scan# 3219
Delta R.T. -0.01 min
Lab File: BP001222.D
Acq: 05 Dec 2019 20:27

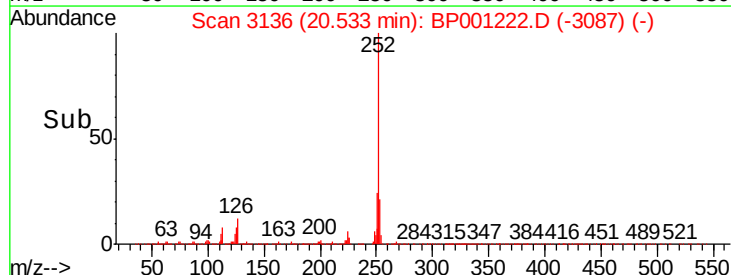
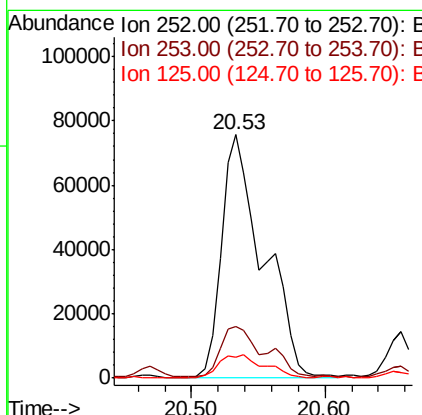
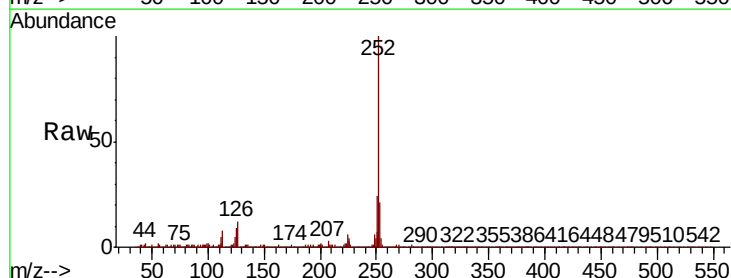
Instrument :
BNA_P
ClientSampleId :

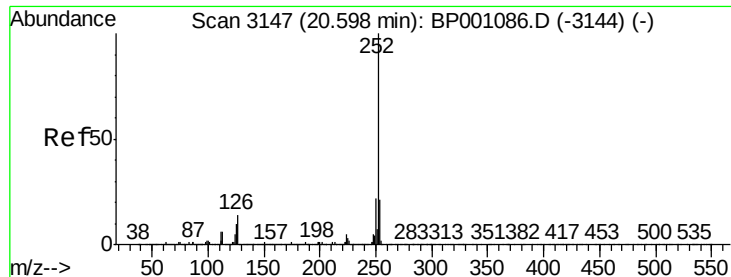
Tot Ion:264 Resp: 322042
Ion Ratio Lower Upper
264 100
260 24.7 19.4 29.0
265 21.1 17.1 25.7



#88
Benzo(b)fluoranthene
Concen: 8.370 ng
RT: 20.53 min Scan# 3136
Delta R.T. -0.01 min
Lab File: BP001222.D
Acq: 05 Dec 2019 20:27

Tgt Ion:252 Resp: 164641
Ion Ratio Lower Upper
252 100
253 21.2 17.0 25.6
125 8.8 6.6 9.8





#89

Benzo(k)fluoranthene

Concen: 8.690 ng

RT: 20.53 min Scan# 3136

Delta R.T. -0.05 min

Lab File: BP001222.D

Acq: 05 Dec 2019 20:27

Instrument :

BNA_P

ClientSampled :

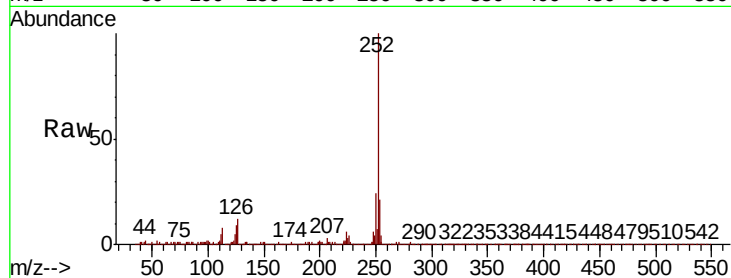
Tot Ion:252 Resp: 164641

Ion Ratio Lower Upper

252 100

253 21.2 17.2 25.8

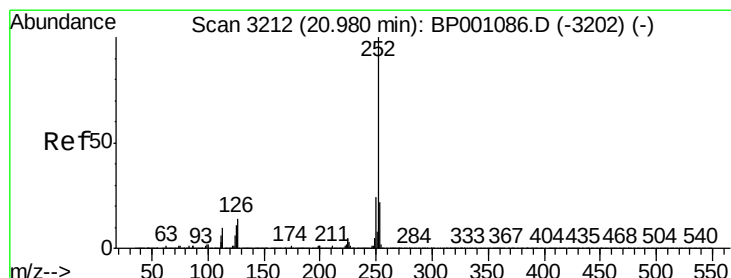
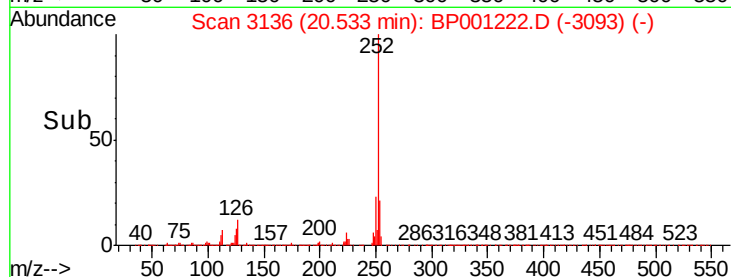
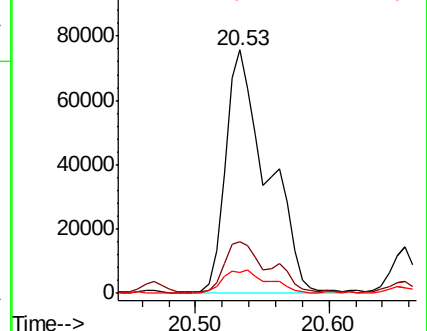
125 8.8 6.2 9.4



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: 4.981 ng

RT: 20.94 min Scan# 3206

Delta R.T. -0.01 min

Lab File: BP001222.D

Acq: 05 Dec 2019 20:27

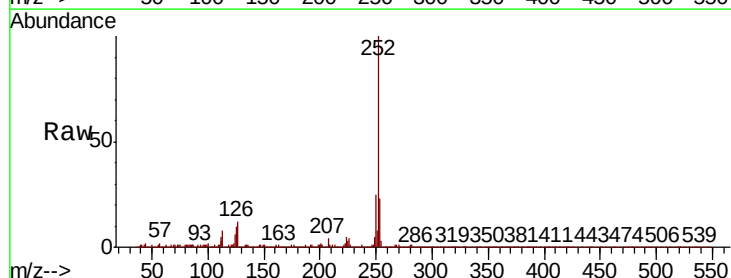
Tgt Ion:252 Resp: 90243

Ion Ratio Lower Upper

252 100

253 23.0 16.8 25.2

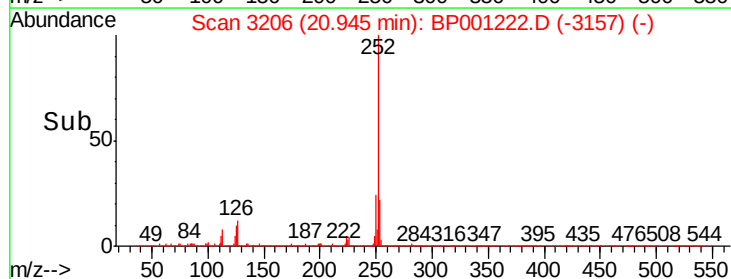
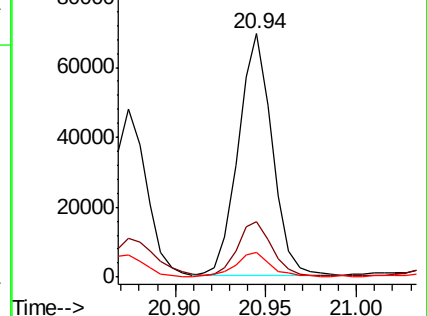
125 10.2 7.8 11.6

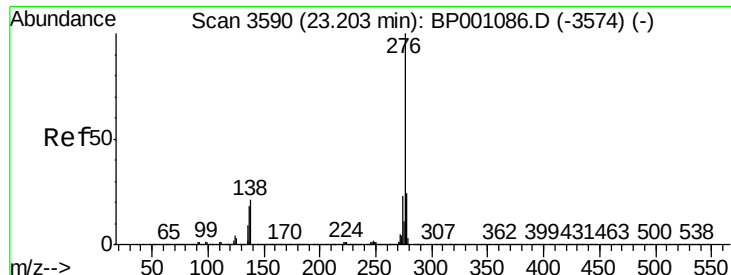


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Benzo(a,h,i)perylene

Concen: 3.242 ng

RT: 23.13 min Scan# 3578

Delta R.T. -0.04 min

Lab File: BP001222.D

Acq: 05 Dec 2019 20:27

Instrument :

BNA_P

ClientSampleId :

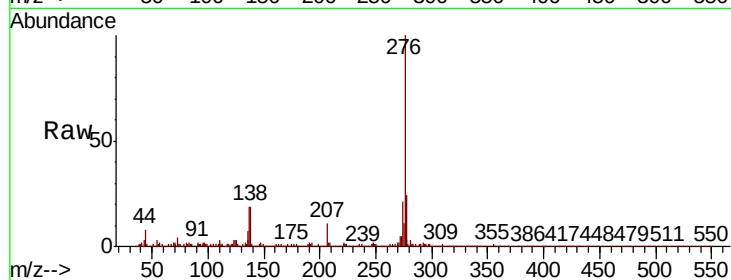
Tot Ion: 276 Resp: 56755

Ion Ratio Lower Upper

276 100

277 23.7 18.6 28.0

138 18.9 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

