

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120219\
 Data File : BP001133.D
 Acq On : 02 Dec 2019 18:43
 Operator : JU
 Sample : K6022-15
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Dec 03 00:16:32 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP112719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 27 17:38:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.33	152	142323	20.00	ng	0.00
21) Naphthalene-d8	10.36	136	536399	20.00	ng	0.00
39) Acenaphthene-d10	13.23	164	285832	20.00	ng	0.00
64) Phenanthrene-d10	15.62	188	537438	20.00	ng	0.00
76) Chrysene-d12	19.27	240	407315	20.00	ng	0.00
87) Perylene-d12	21.05	264	450577	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.23	112	1015138	118.34	ng	0.00
7) Phenol-d6	7.78	99	1402982	122.76	ng	0.00
23) Nitrobenzene-d5	9.21	82	914121	73.94	ng	0.00
42) 2,4,6-Tribromophenol	14.52	330	306990	112.05	ng	0.00
45) 2-Fluorobiphenyl	12.15	172	1463562	74.94	ng	0.00
79) Terphenyl-d14	17.91	244	1620871	73.62	ng	0.00

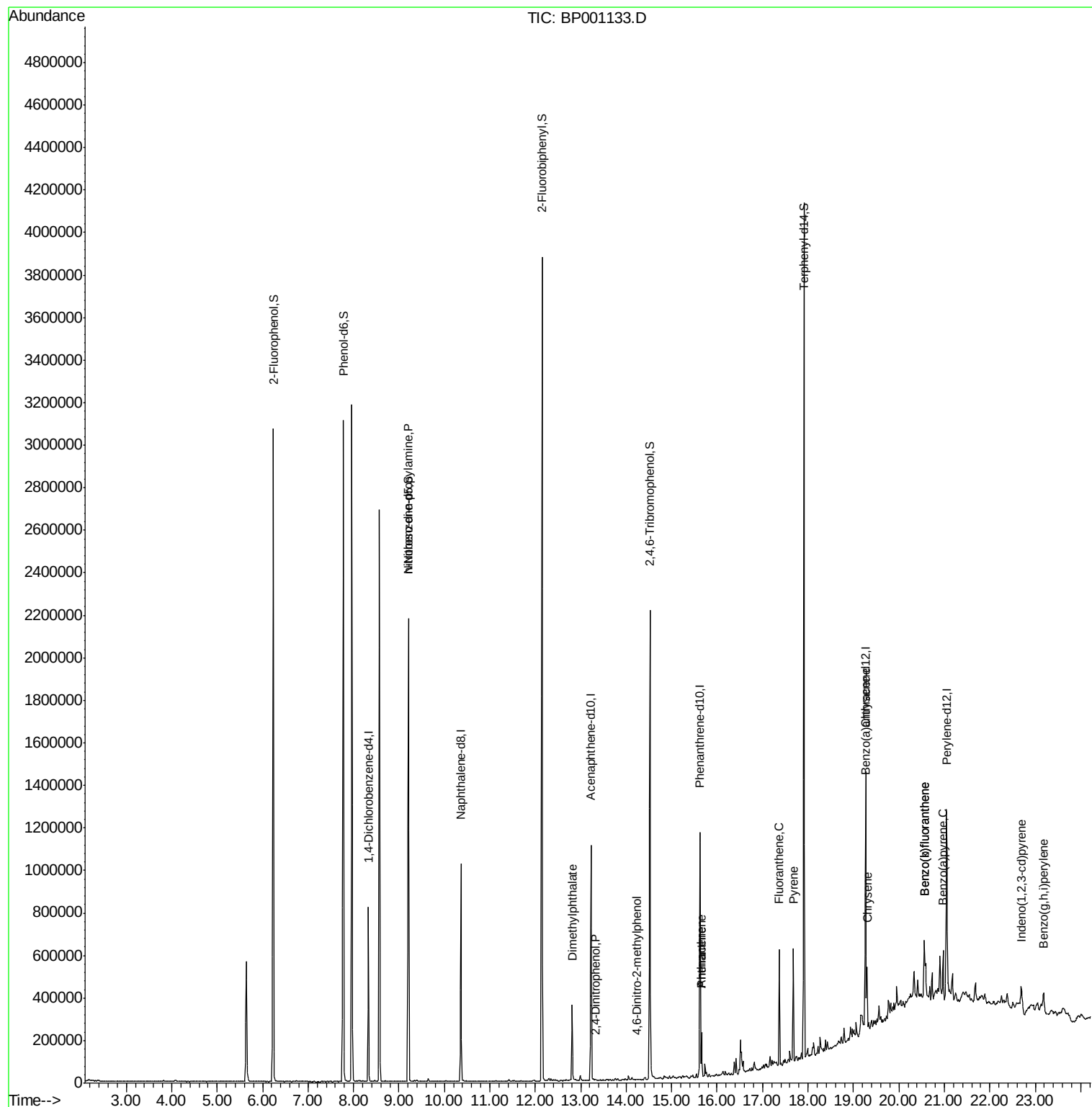
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.62	77	307	Below Cal		# 56
19) n-Nitroso-di-n-propylamine	9.21	70	127513	15.462	ng	# 79
50) Dimethylphthalate	12.81	163	166017	7.766	ng	100
54) 2,4-Dinitrophenol	13.32	184	20	7.119	ng	# 1
65) 4,6-Dinitro-2-methylphenol	14.25	198	56	6.298	ng	# 1
71) Phenanthrene	15.66	178	92411	3.271	ng	98
72) Anthracene	15.66	178	92411	3.318	ng	100
75) Fluoranthene	17.37	202	246782	8.250	ng	99
78) Pyrene	17.67	202	237353	7.399	ng	98
81) Benzo(a)anthracene	19.26	228	141117	4.997	ng	96
83) Chrysene	19.30	228	138065	5.460	ng	97
86) Indeno(1,2,3-cd)pyrene	22.69	276	86708	2.909	ng	93
88) Benzo(b)fluoranthene	20.56	252	234104	8.506	ng	# 95
89) Benzo(k)fluoranthene	20.56	252	234104	8.832	ng	# 94
90) Benzo(a)pyrene	20.97	252	125761	4.961	ng	# 95
92) Benzo(g,h,i)perylene	23.19	276	86526	3.532	ng	98

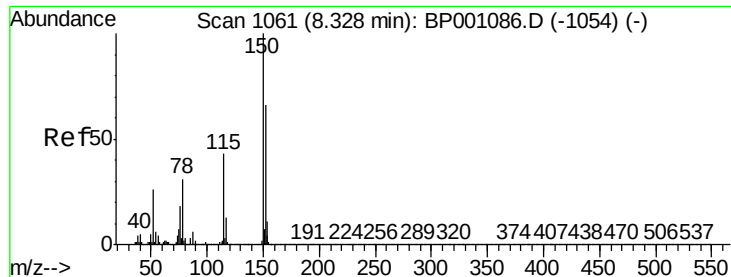
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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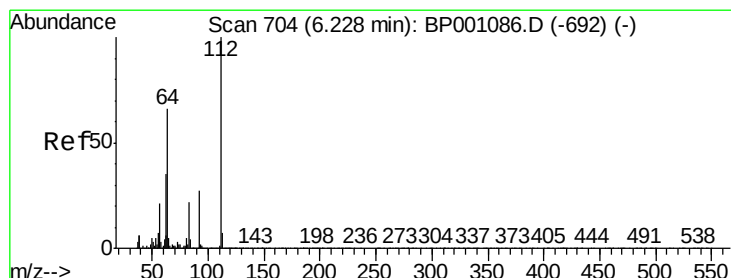
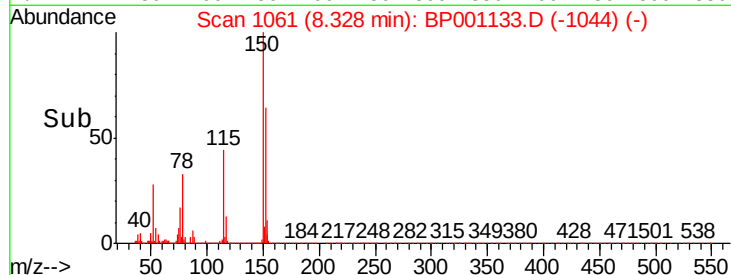
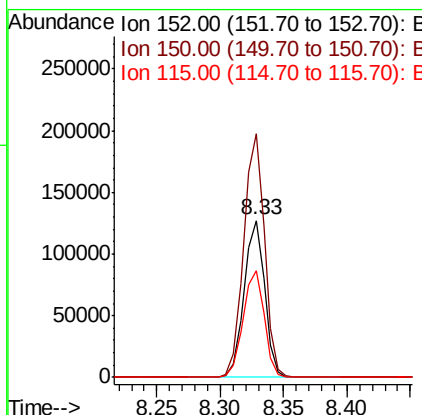
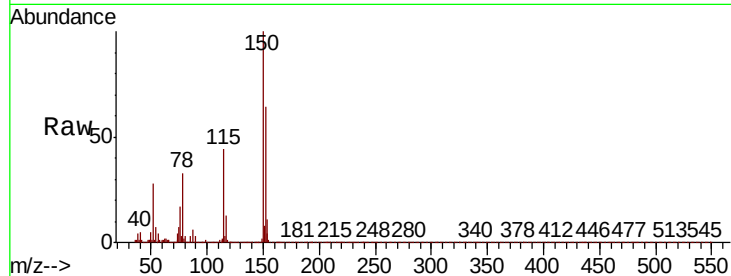




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.33 min Scan# 1061
 Delta R.T. 0.00 min
 Lab File: BP001133.D
 Acq: 02 Dec 2019 18:43

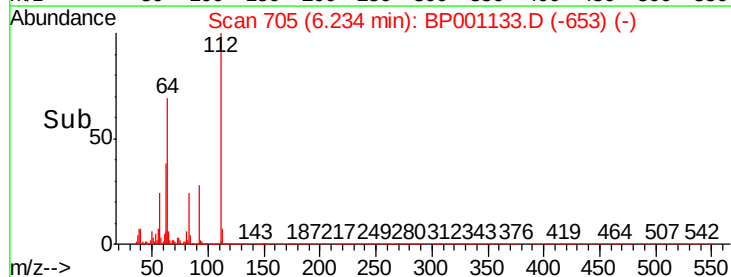
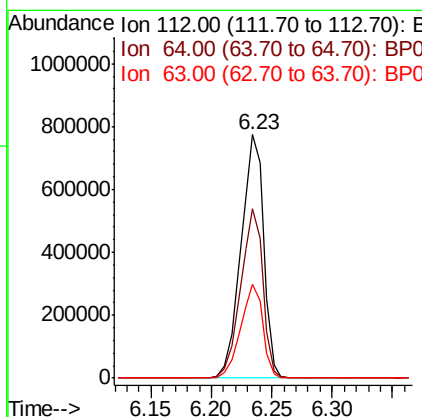
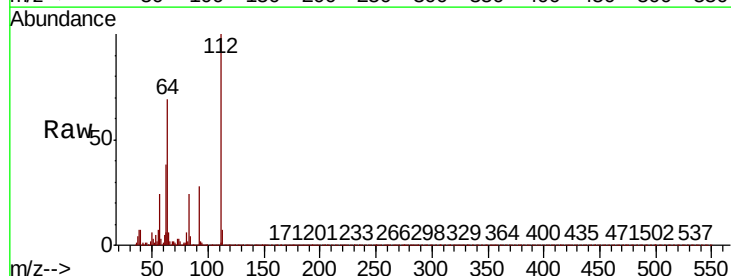
Instrument :
 BNA_P
 ClientSampleId :

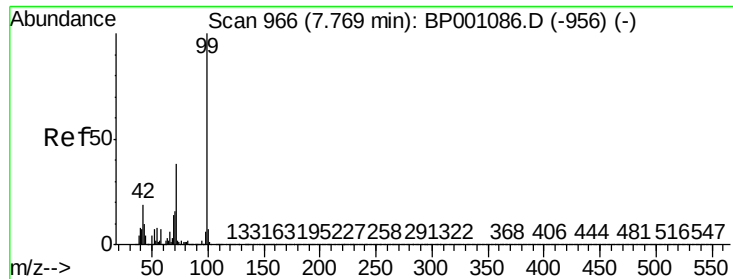
Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	120.6	181.0
115	68.2	51.6	77.4



#5
 2-Fluorophenol
 Concen: 118.336 ng
 RT: 6.23 min Scan# 705
 Delta R.T. 0.01 min
 Lab File: BP001133.D
 Acq: 02 Dec 2019 18:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.4	52.8	79.2
63	38.5	28.2	42.2





#7

Phenol-d6

Concen: 122.761 ng

RT: 7.78 min Scan# 967

Delta R.T. 0.01 min

Lab File: BP001133.D

Acq: 02 Dec 2019 18:43

Instrument :

BNA_P

ClientSampled :

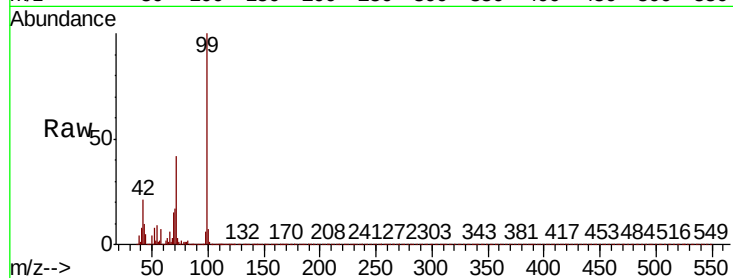
Tot Ion: 99 Resp: 1402982

Ion Ratio Lower Upper

99 100

42 21.1 15.4 23.0

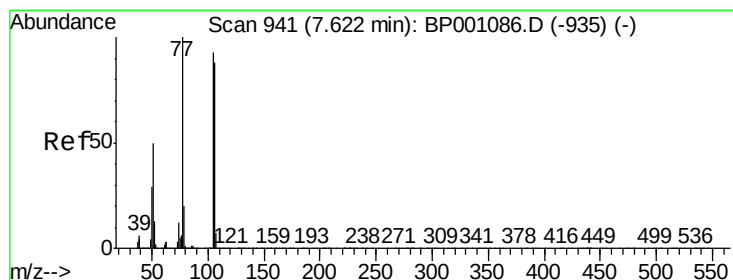
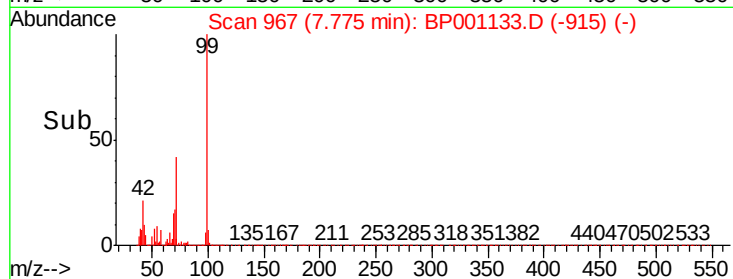
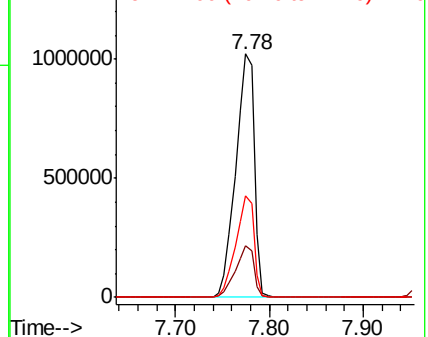
71 41.7 30.8 46.2



Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0



#9

Benzaldehyde

Concen: Below Cal

RT: 7.62 min Scan# 940

Delta R.T. -0.00 min

Lab File: BP001133.D

Acq: 02 Dec 2019 18:43

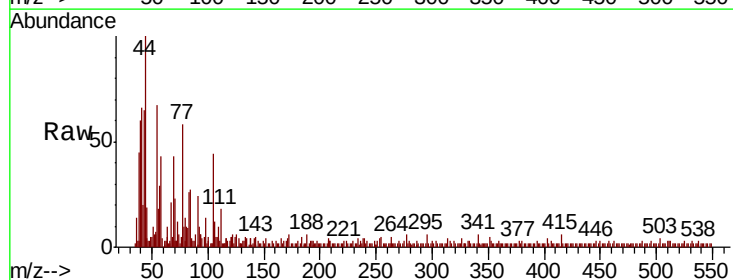
Tgt Ion: 77 Resp: 307

Ion Ratio Lower Upper

77 100

105 76.6 72.5 112.5

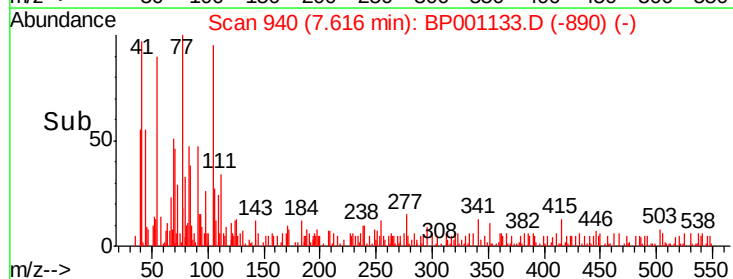
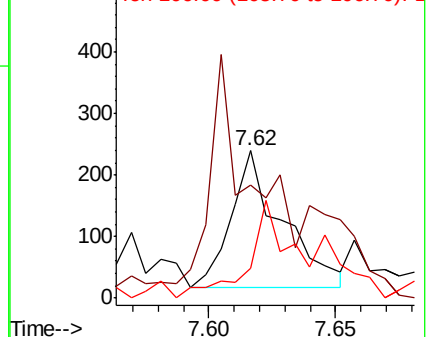
106 20.1 67.6 107.6#

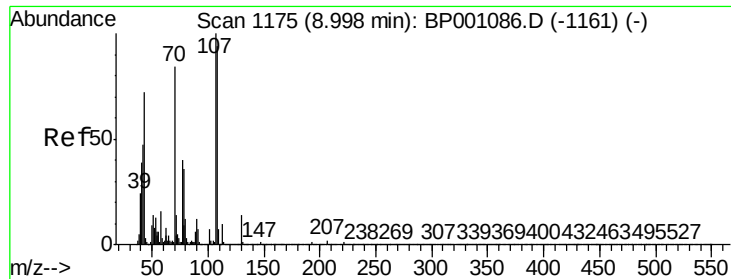


Abundance Ion 77.00 (76.70 to 77.70): BP0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

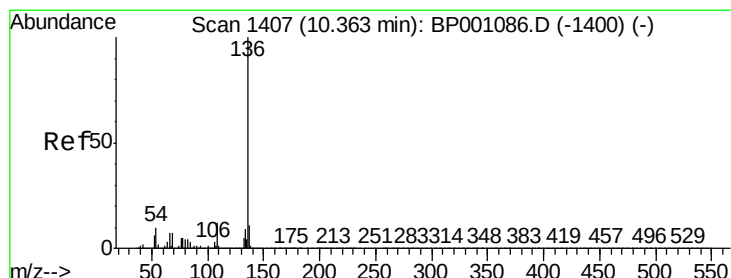
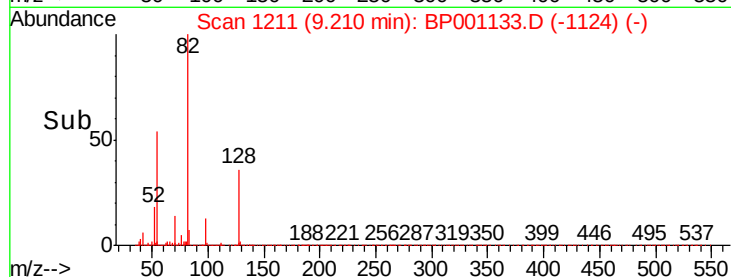
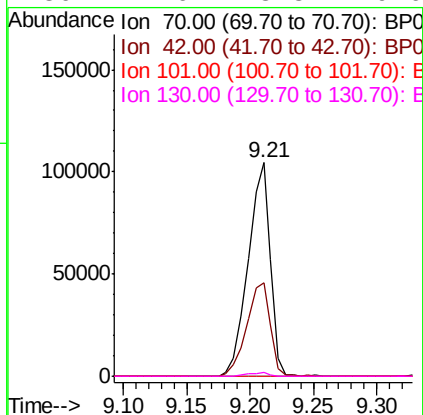
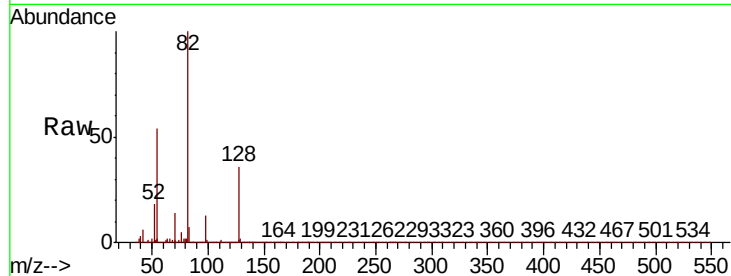




#19
n-Nitroso-di-n-propylamine
Concen: 15.462 ng
RT: 9.21 min Scan# 1211
Delta R.T. 0.21 min
Lab File: BP001133.D
Acq: 02 Dec 2019 18:43

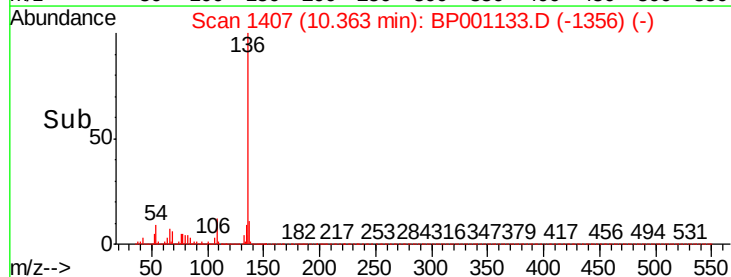
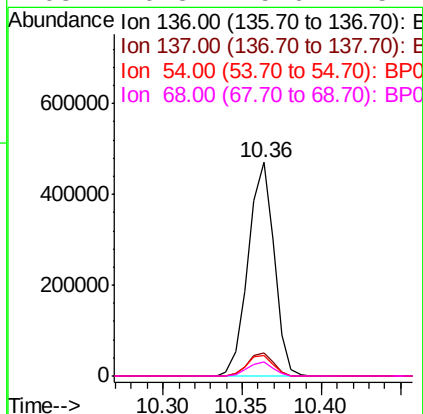
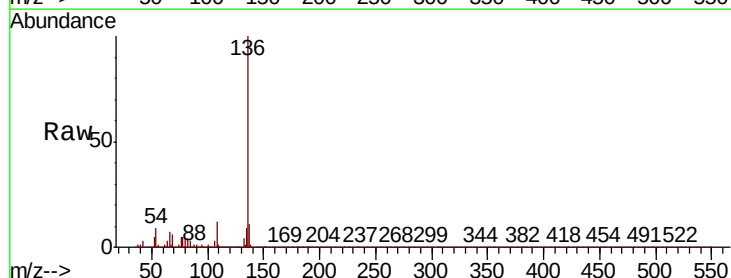
Instrument :
BNA_P
ClientSampleId :

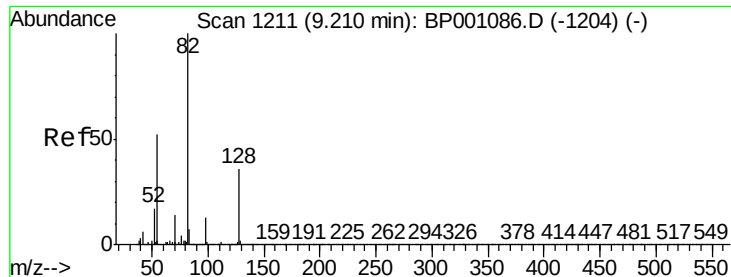
Tot Ion: 70 Resp: 127513
Ion Ratio Lower Upper
70 100
42 43.7 44.6 66.8#
101 0.0 7.1 10.7#
130 1.6 13.8 20.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.36 min Scan# 1407
Delta R.T. 0.00 min
Lab File: BP001133.D
Acq: 02 Dec 2019 18:43

Tgt Ion: 136 Resp: 536399
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 9.3 7.9 11.9
68 6.3 5.6 8.4

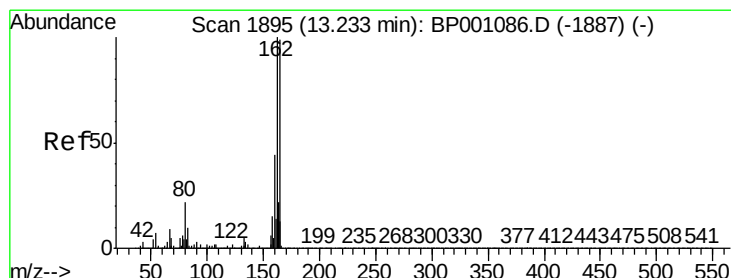
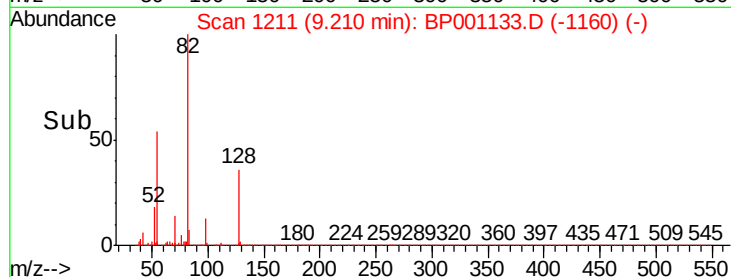
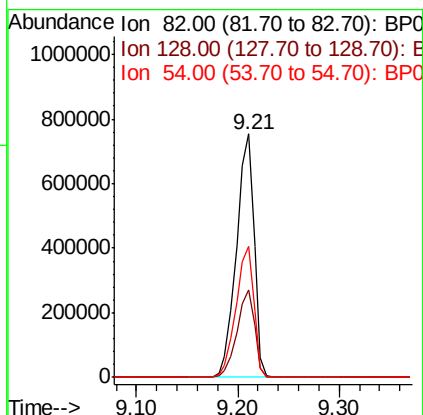
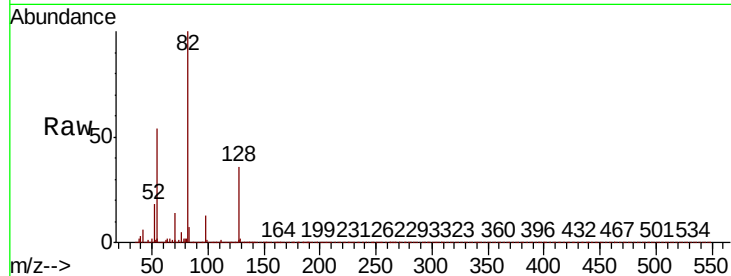




#23
 Nitrobenzene-d5
 Concen: 73.937 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. 0.00 min
 Lab File: BP001133.D
 Acq: 02 Dec 2019 18:43

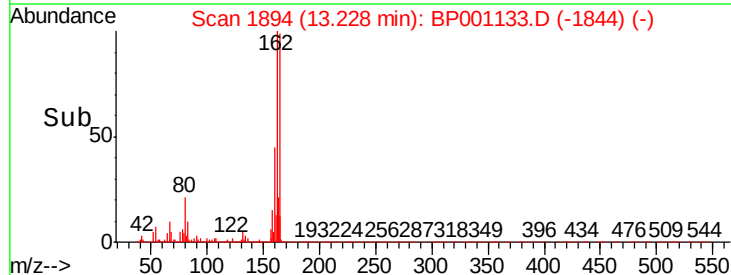
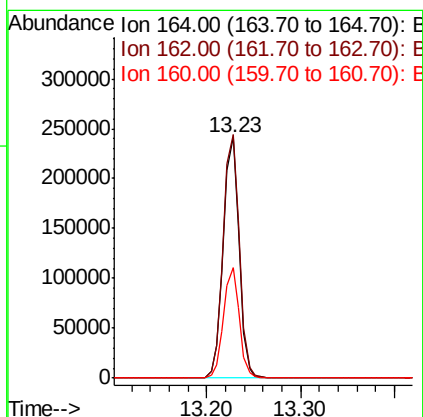
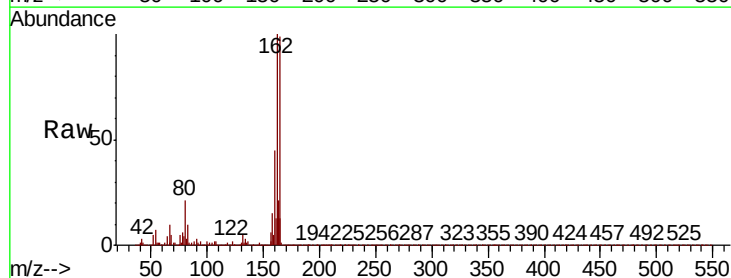
Instrument :
 BNA_P
 ClientSampled :

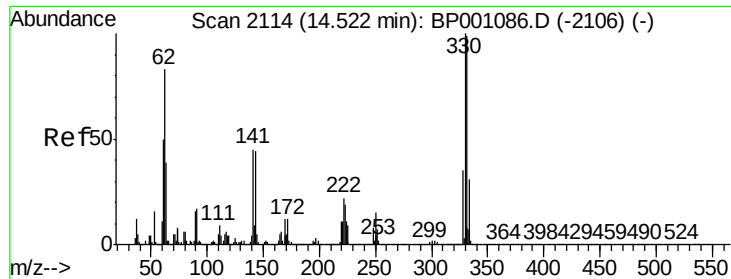
Tot Ion	82	Resp	914121
Ion Ratio	Lower	Upper	
82	100		
128	35.9	28.9	43.3
54	53.8	41.9	62.9



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 13.23 min Scan# 1894
 Delta R.T. -0.01 min
 Lab File: BP001133.D
 Acq: 02 Dec 2019 18:43

Tgt Ion	164	Resp	285832
Ion Ratio	Lower	Upper	
164	100		
162	101.2	80.6	120.8
160	45.7	35.4	53.2

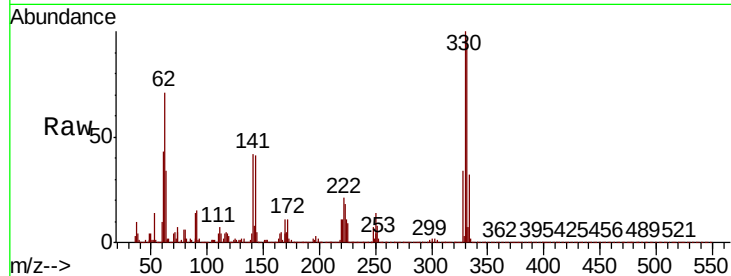




#42
2,4,6-Tribromophenol
Concen: 112.052 ng
RT: 14.52 min Scan# 2114
Delta R.T. 0.00 min
Lab File: BP001133.D
Acq: 02 Dec 2019 18:43

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.6	116.4
141	44.4	34.2	51.2

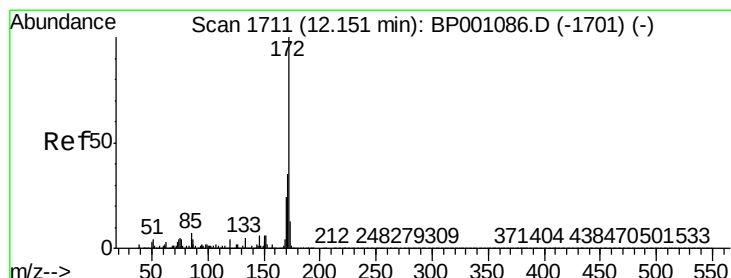
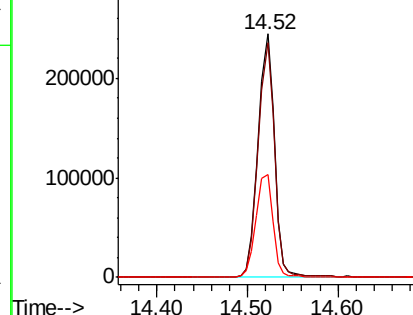
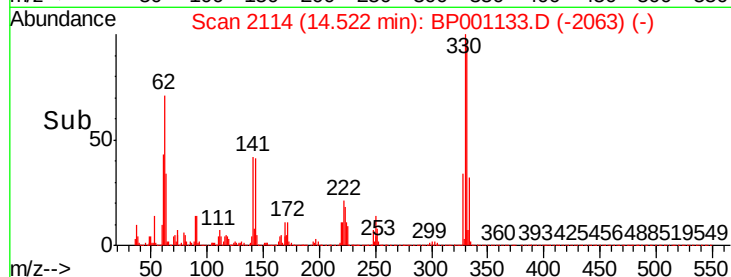


Abundance

Ion 329.80 (329.50 to 330.50): E

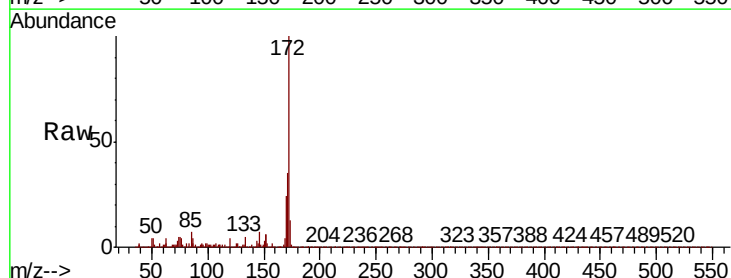
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
2-Fluorobiphenyl
Concen: 74.940 ng
RT: 12.15 min Scan# 1710
Delta R.T. -0.01 min
Lab File: BP001133.D
Acq: 02 Dec 2019 18:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.9	41.9
170	23.5	19.0	28.4

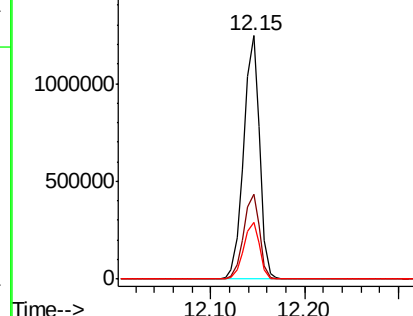
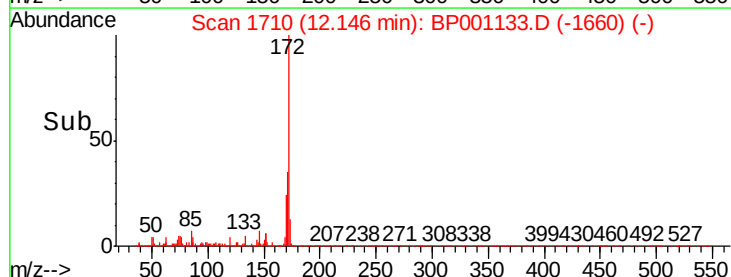


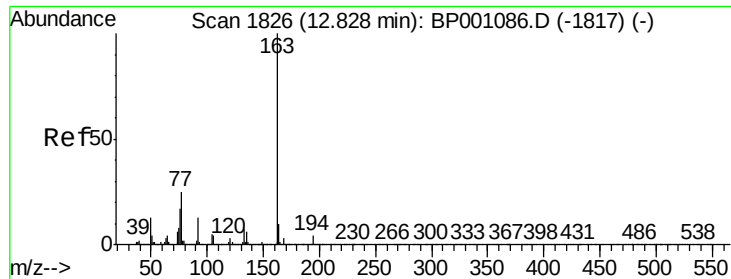
Abundance

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: 7.766 ng

RT: 12.81 min Scan# 1823

Delta R.T. -0.02 min

Lab File: BP001133.D

Acq: 02 Dec 2019 18:43

Instrument :

BNA_P

ClientSampleId :

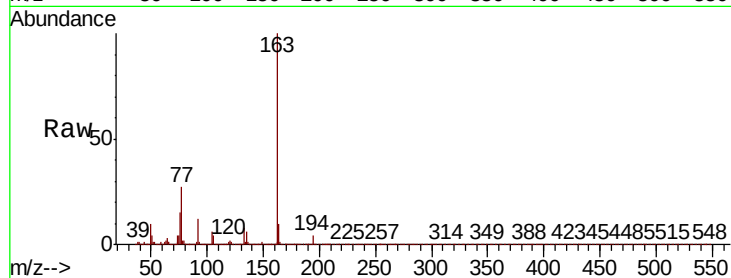
Tot Ion:163 Resp: 166017

Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

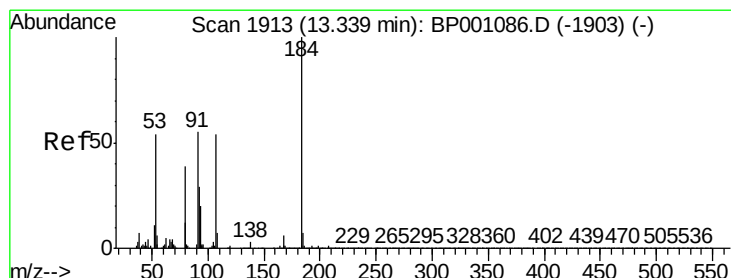
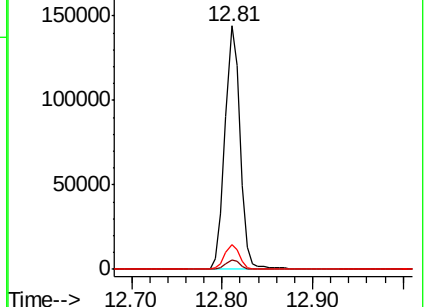
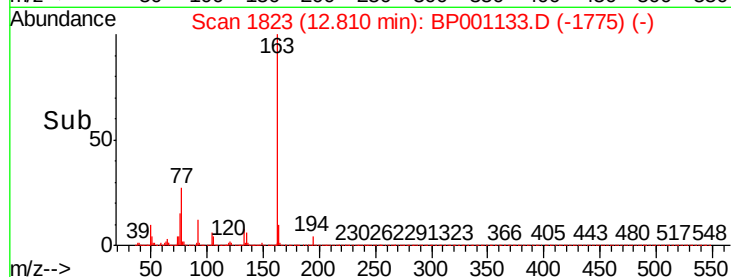
164 10.2 8.1 12.1



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: 7.119 ng

RT: 13.32 min Scan# 1909

Delta R.T. -0.02 min

Lab File: BP001133.D

Acq: 02 Dec 2019 18:43

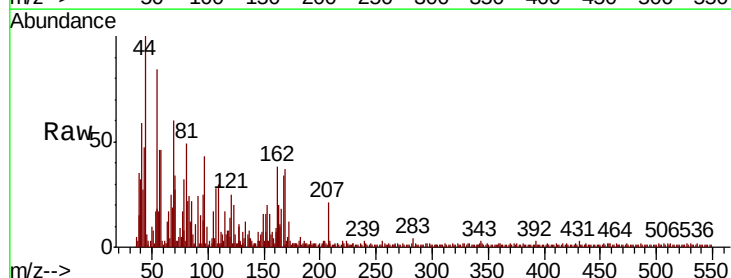
Tgt Ion:184 Resp: 20

Ion Ratio Lower Upper

184 100

63 319.2 60.7 91.1#

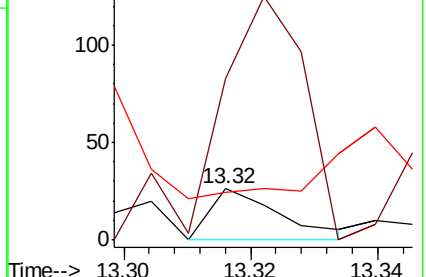
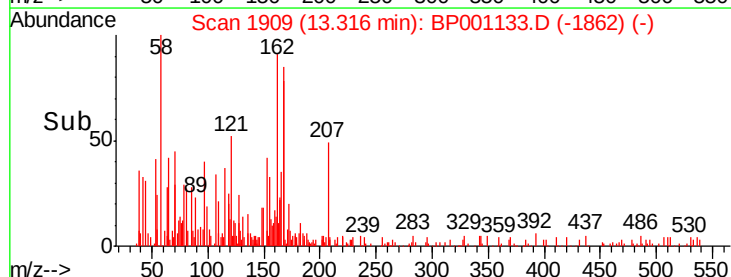
154 92.3 56.2 84.2#

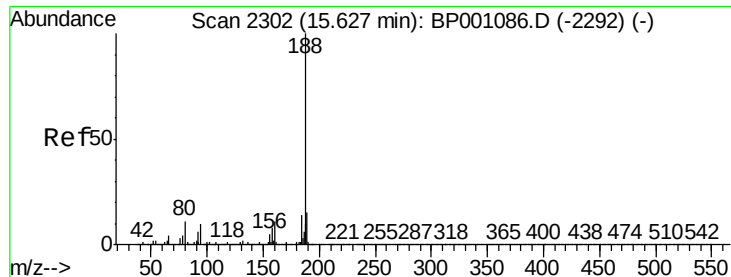


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 154.00 (153.70 to 154.70): E

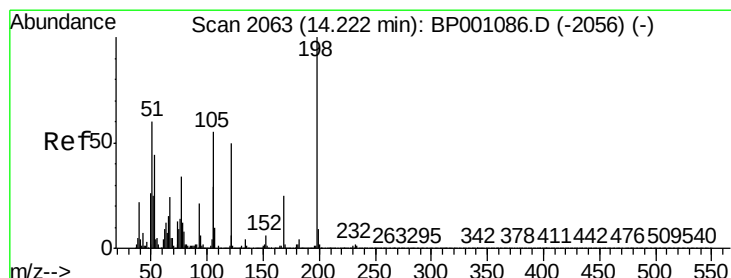
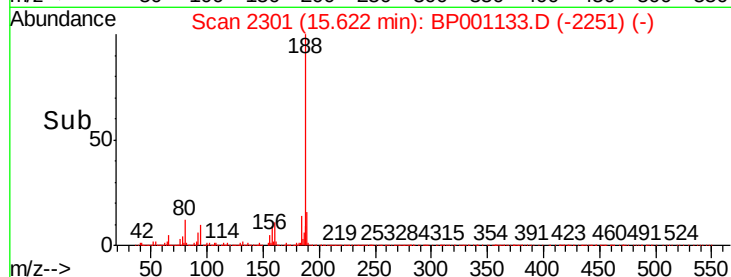
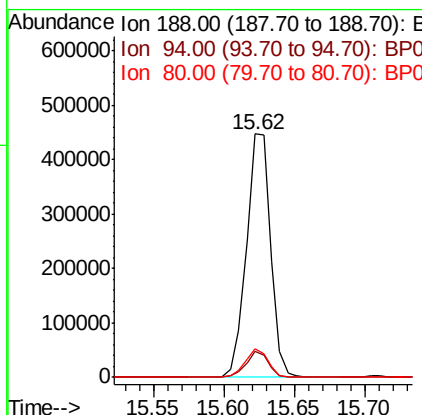
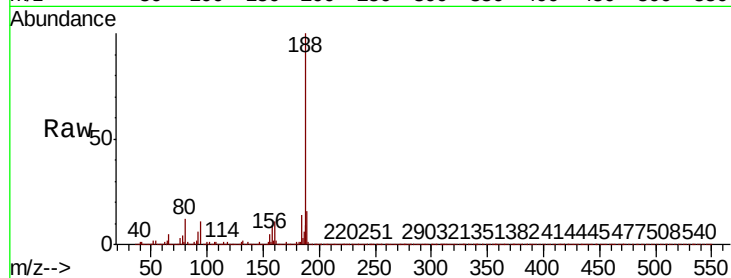




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 15.62 min Scan# 2301
Delta R.T. -0.01 min
Lab File: BP001133.D
Acq: 02 Dec 2019 18:43

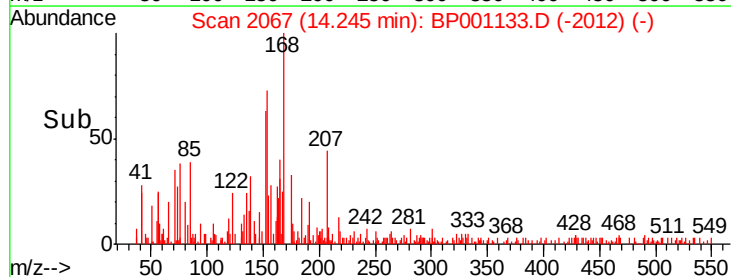
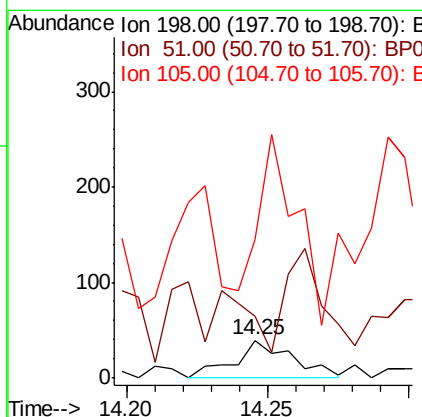
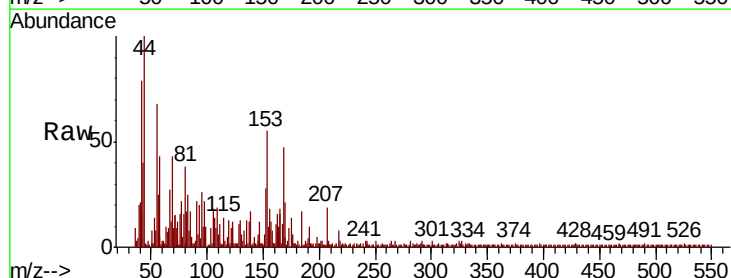
Instrument :
BNA_P
ClientSampleId :

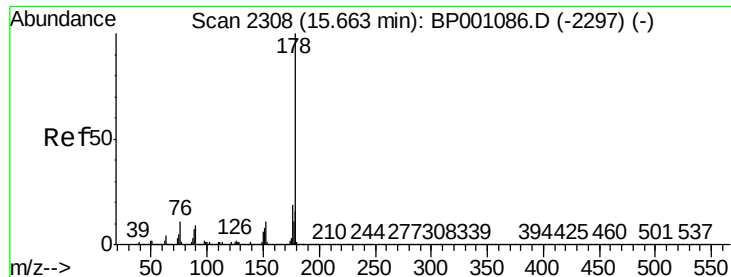
Tot Ion:188 Resp: 537438
Ion Ratio Lower Upper
188 100
94 10.5 7.9 11.9
80 11.5 8.8 13.2



#65
4,6-Dinitro-2-methylphenol
Concen: 6.298 ng
RT: 14.25 min Scan# 2067
Delta R.T. 0.02 min
Lab File: BP001133.D
Acq: 02 Dec 2019 18:43

Tgt Ion:198 Resp: 56
Ion Ratio Lower Upper
198 100
51 166.7 40.5 80.5#
105 371.8 35.7 75.7#

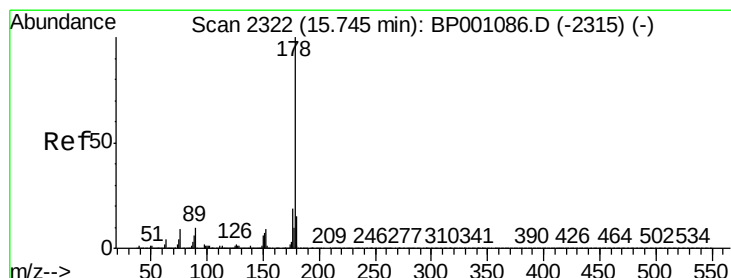
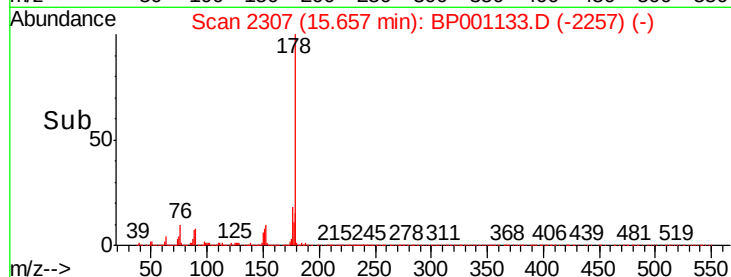
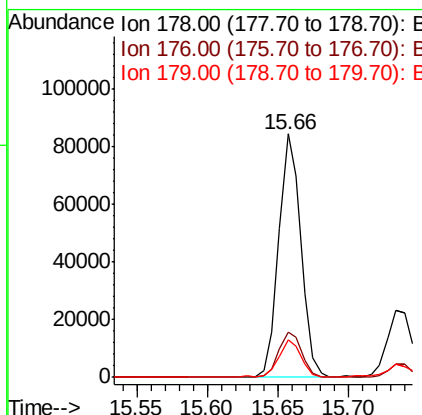
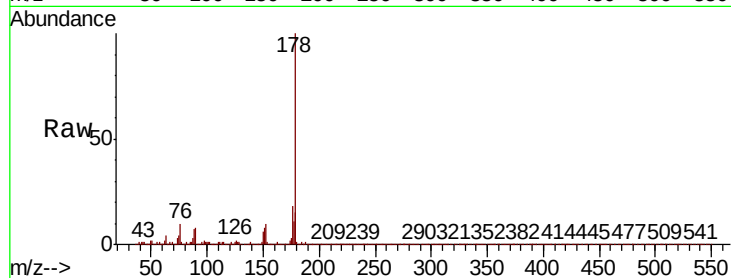




#71
Phenanthrene
Concen: 3.271 ng
RT: 15.66 min Scan# 2307
Delta R.T. -0.01 min
Lab File: BP001133.D
Acq: 02 Dec 2019 18:43

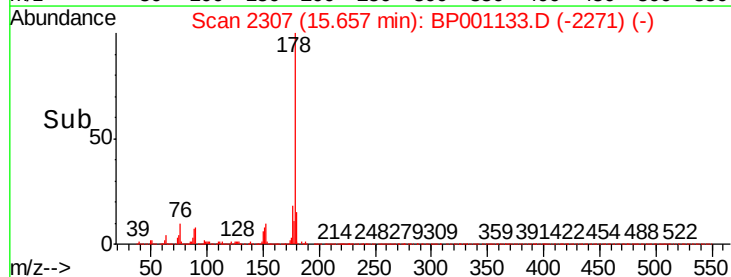
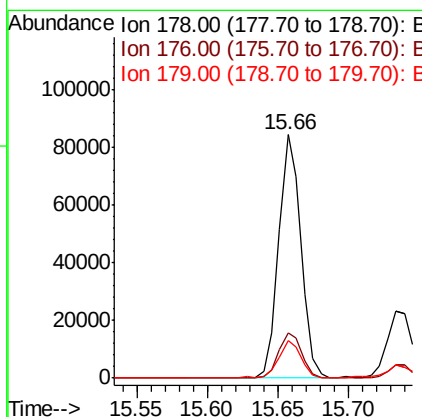
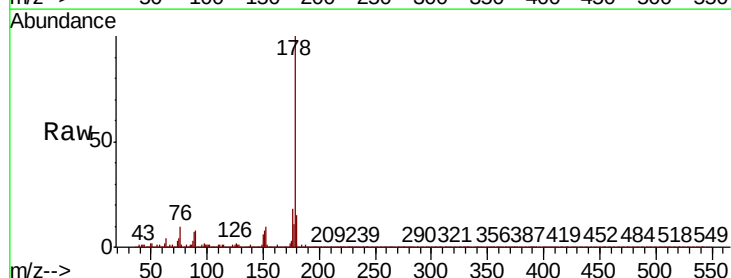
Instrument :
BNA_P
ClientSampled :

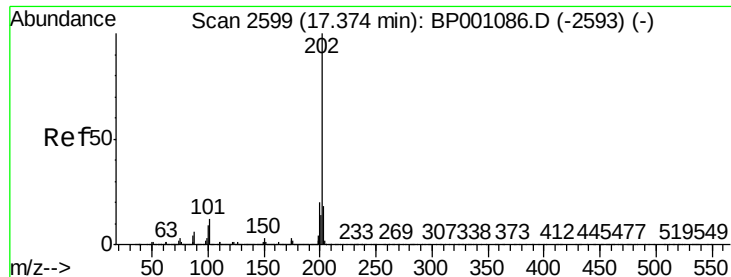
Tot Ion:178 Resp: 92411
Ion Ratio Lower Upper
178 100
176 18.4 15.4 23.2
179 15.2 12.5 18.7



#72
Anthracene
Concen: 3.318 ng
RT: 15.66 min Scan# 2307
Delta R.T. -0.09 min
Lab File: BP001133.D
Acq: 02 Dec 2019 18:43

Tgt Ion:178 Resp: 92411
Ion Ratio Lower Upper
178 100
176 18.4 14.9 22.3
179 15.2 12.2 18.4





#75

Fluoranthene

Concen: 8.250 ng

RT: 17.37 min Scan# 2598

Delta R.T. -0.01 min

Lab File: BP001133.D

Acq: 02 Dec 2019 18:43

Instrument :

BNA_P

ClientSampleId :

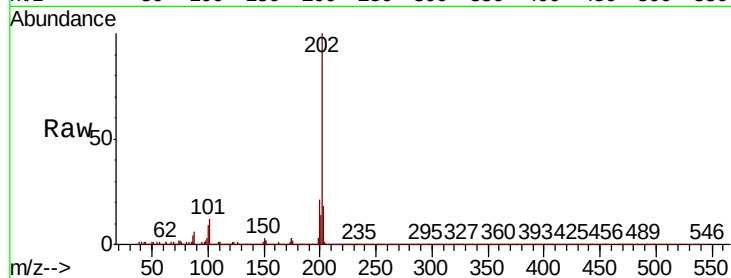
Tot Ion:202 Resp: 246782

Ion Ratio Lower Upper

202 100

101 11.7 0.0 32.1

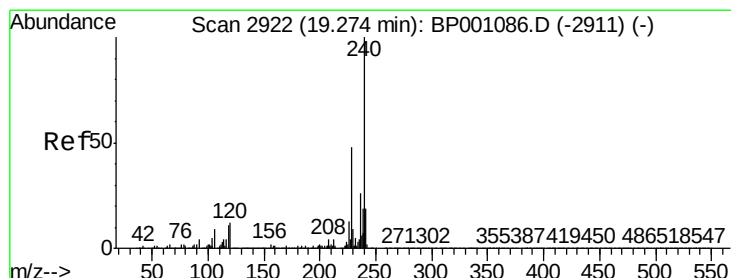
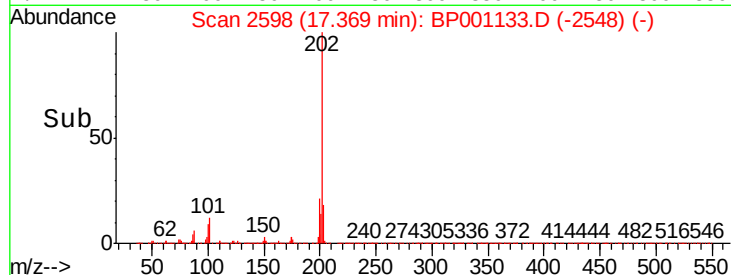
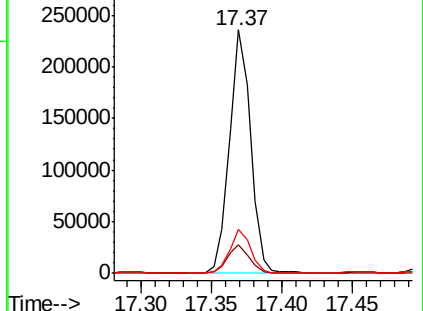
203 18.2 0.0 37.8



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: 19.27 min Scan# 2921

Delta R.T. -0.01 min

Lab File: BP001133.D

Acq: 02 Dec 2019 18:43

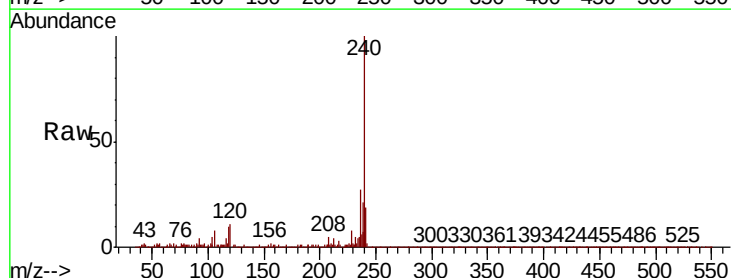
Tgt Ion:240 Resp: 407315

Ion Ratio Lower Upper

240 100

120 11.5 9.5 14.3

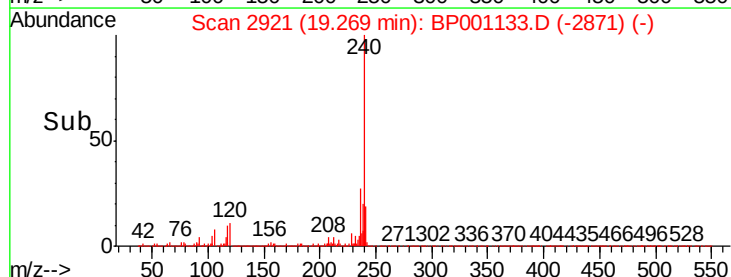
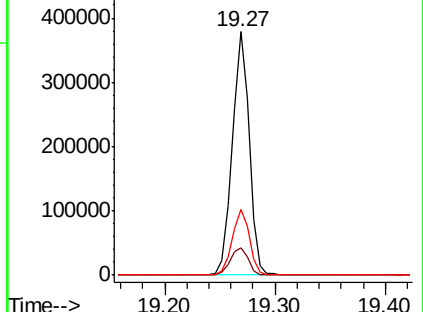
236 27.1 20.4 30.6

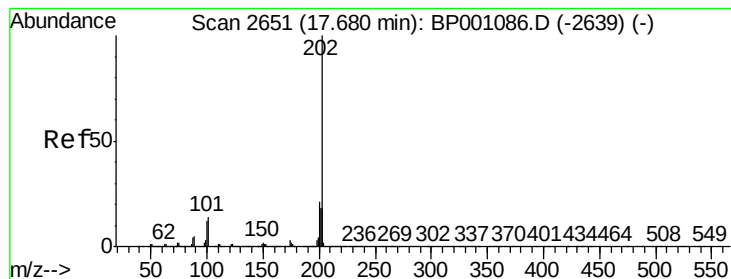


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 7.399 ng

RT: 17.67 min Scan# 2650

Delta R.T. -0.01 min

Lab File: BP001133.D

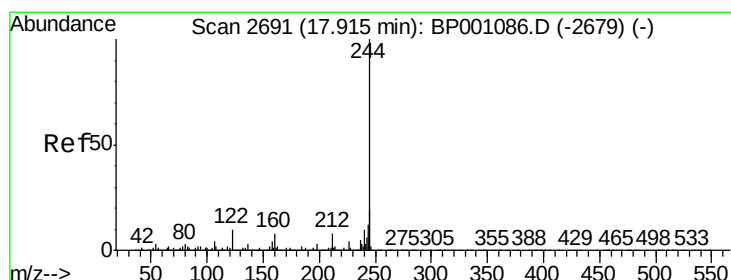
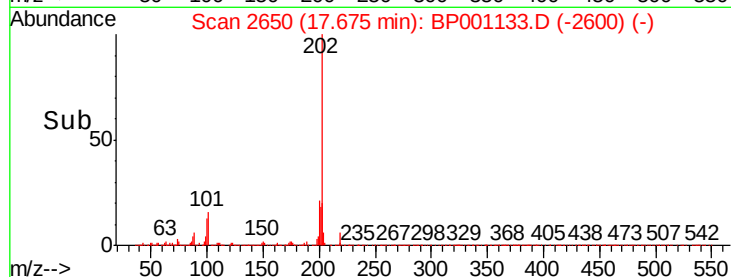
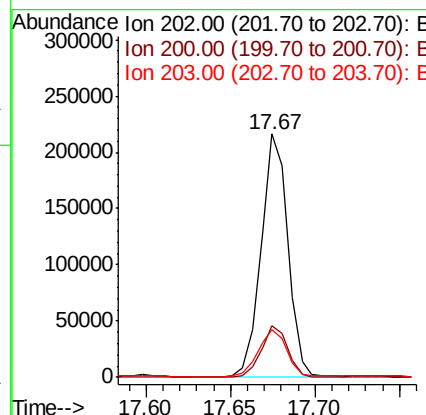
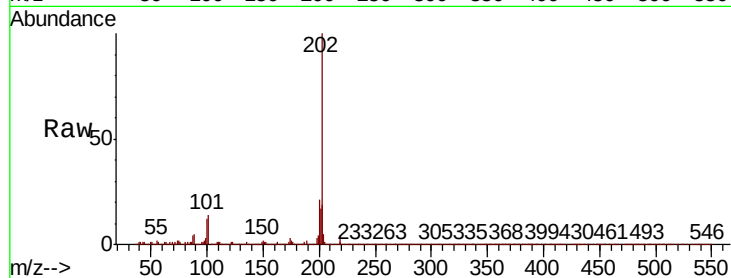
Acq: 02 Dec 2019 18:43

Instrument :

BNA_P

ClientSampleId :

Tot Ion:	202	Resp:	237353
Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.0	25.6
203	19.5	14.1	21.1



#79

Terphenyl-d14

Concen: 73.623 ng

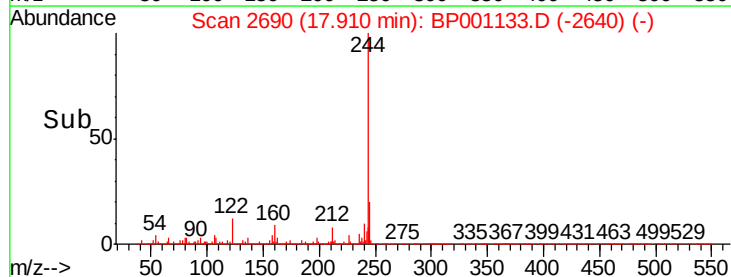
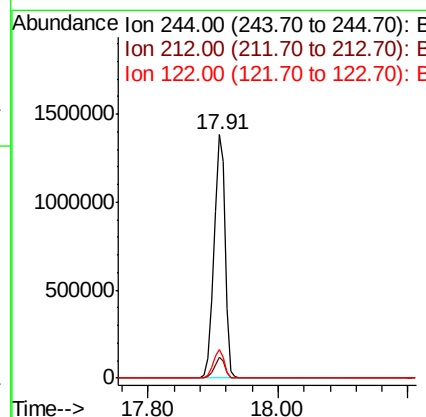
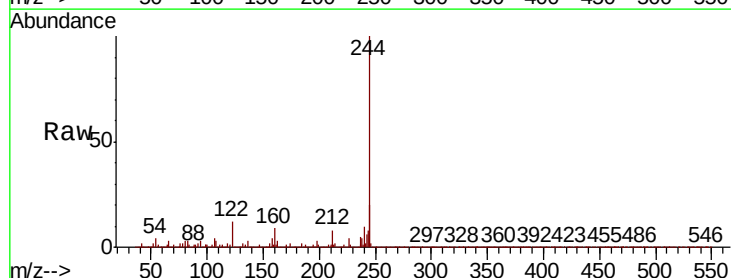
RT: 17.91 min Scan# 2690

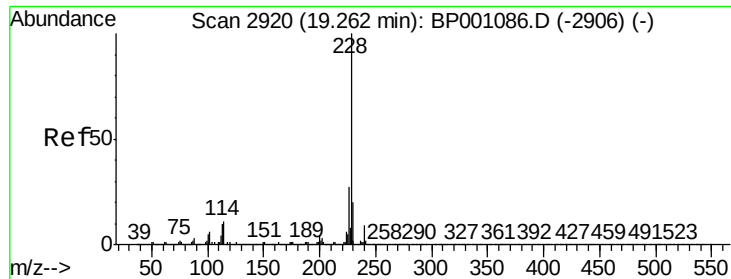
Delta R.T. -0.01 min

Lab File: BP001133.D

Acq: 02 Dec 2019 18:43

Tgt Ion:	244	Resp:	1620871
Ion	Ratio	Lower	Upper
244	100		
212	8.4	6.2	9.2
122	11.8	8.2	12.2

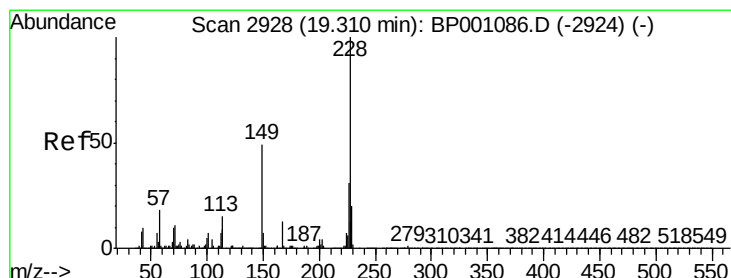
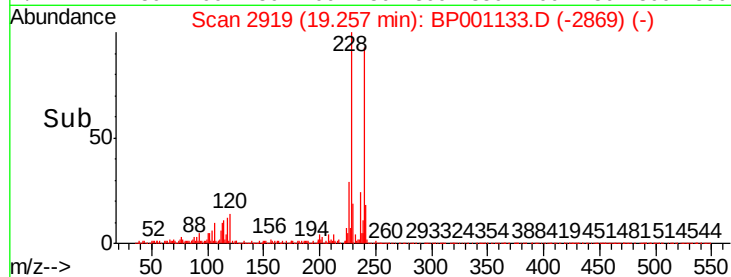
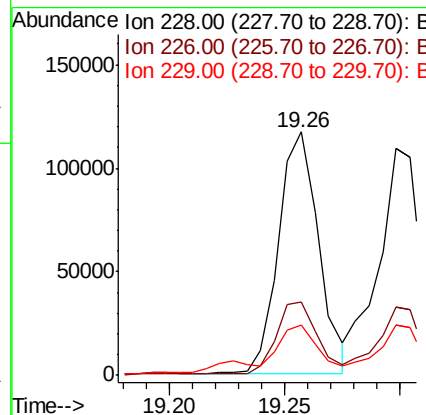
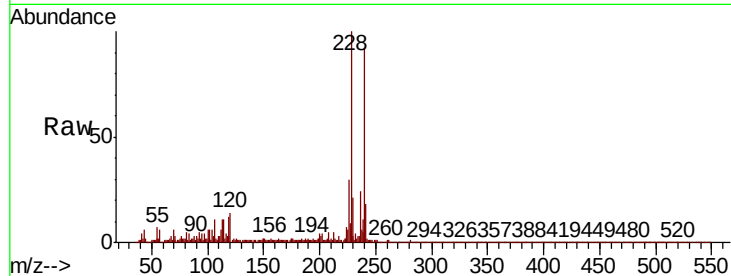




#81
Benzo(a)anthracene
Concen: 4.997 ng
RT: 19.26 min Scan# 2919
Delta R.T. -0.01 min
Lab File: BP001133.D
Acq: 02 Dec 2019 18:43

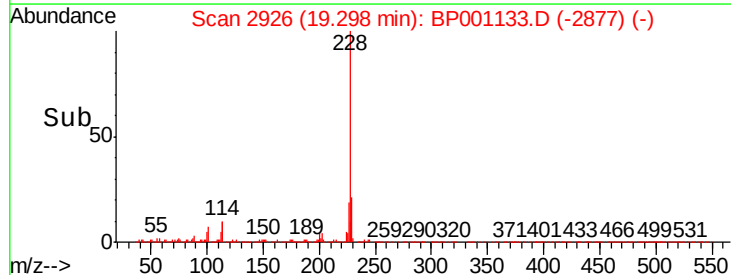
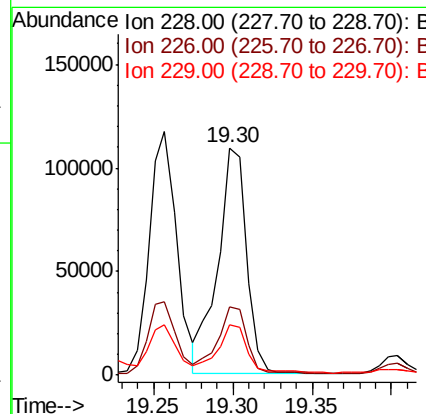
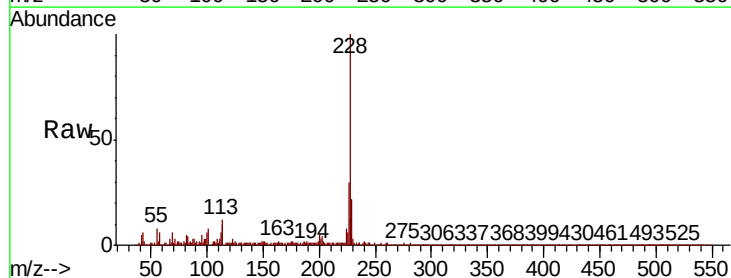
Instrument :
BNA_P
ClientSampled :

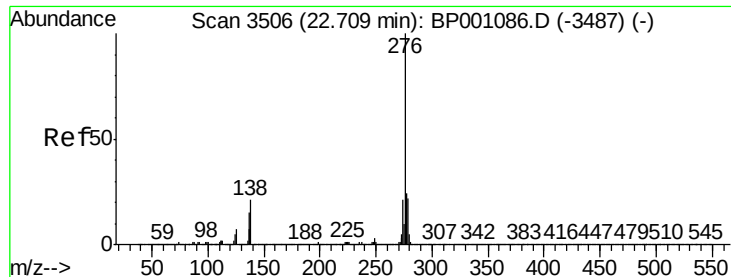
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	21.8	32.6
229	20.6	15.8	23.6



#83
Chrysene
Concen: 5.460 ng
RT: 19.30 min Scan# 2926
Delta R.T. -0.01 min
Lab File: BP001133.D
Acq: 02 Dec 2019 18:43

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.4	36.6
229	22.1	15.7	23.5

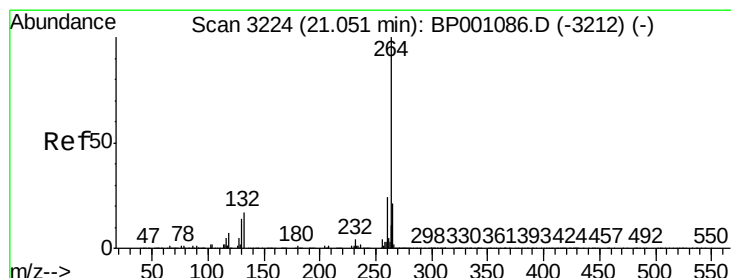
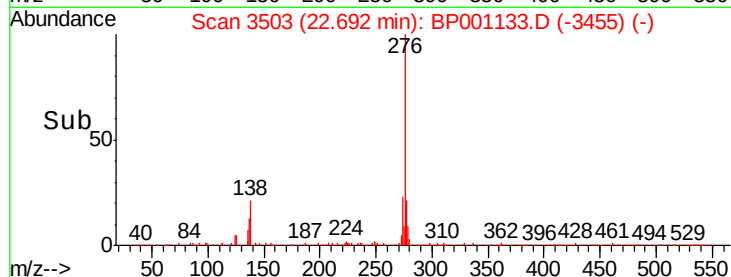
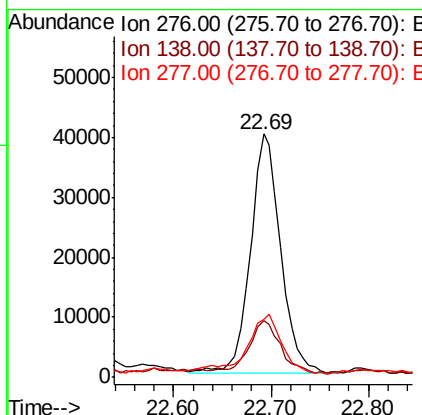
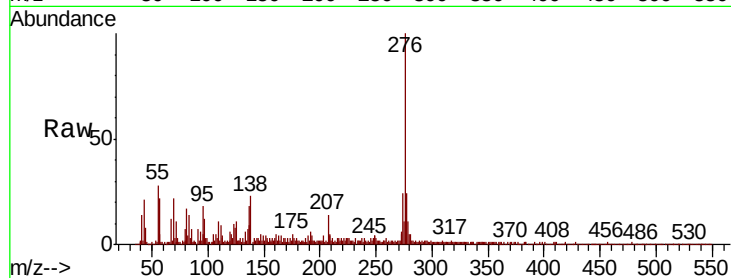




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.909 ng
 RT: 22.69 min Scan# 3503
 Delta R.T. -0.02 min
 Lab File: BP001133.D
 Acq: 02 Dec 2019 18:43

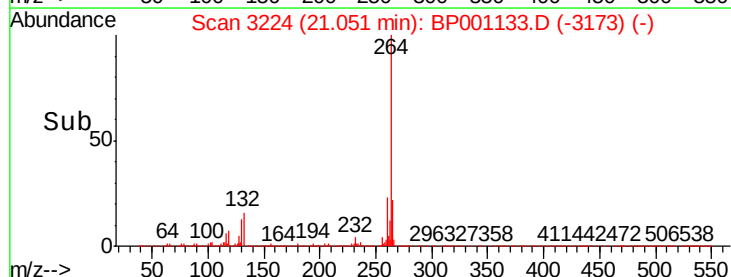
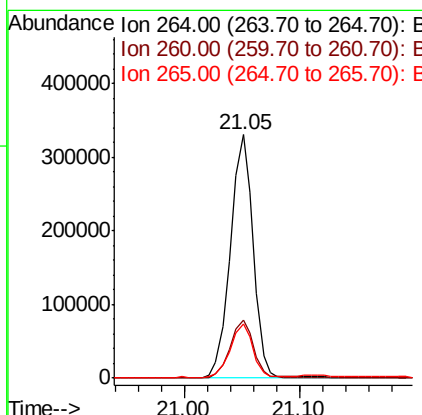
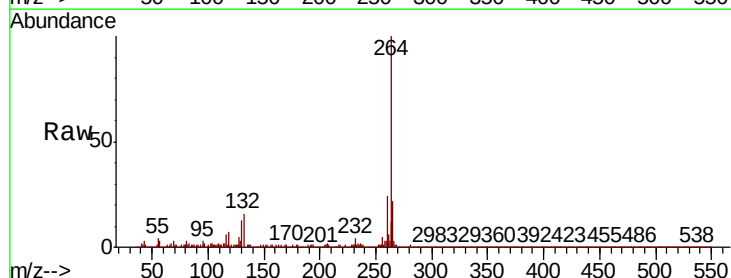
Instrument :
 BNA_P
 ClientSampleId :

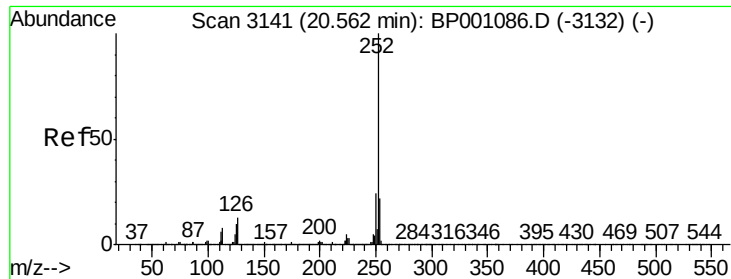
Tot Ion	Ratio	Lower	Upper
276	100		
138	23.7	20.6	30.8
277	29.6	20.0	30.0



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 21.05 min Scan# 3224
 Delta R.T. 0.00 min
 Lab File: BP001133.D
 Acq: 02 Dec 2019 18:43

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.8	28.2
265	22.0	16.9	25.3

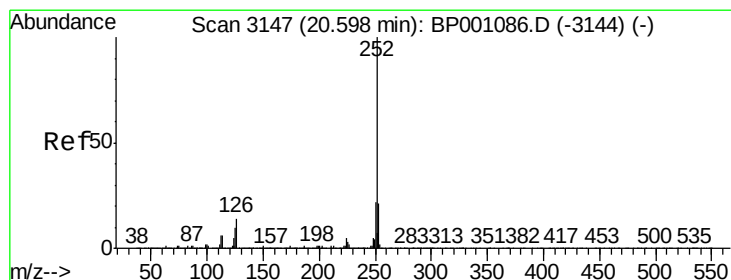
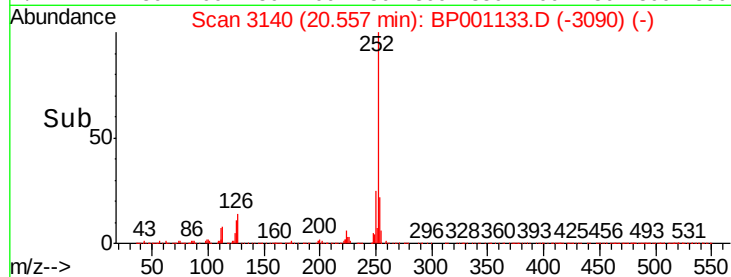
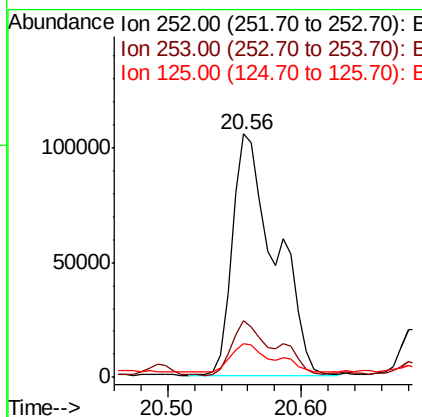
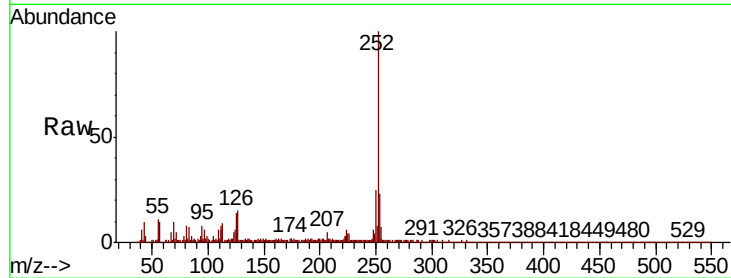




#88
Benzo(b)fluoranthene
Concen: 8.506 ng
RT: 20.56 min Scan# 3140
Delta R.T. -0.01 min
Lab File: BP001133.D
Acq: 02 Dec 2019 18:43

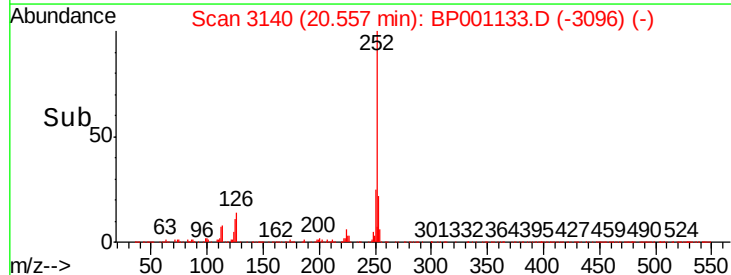
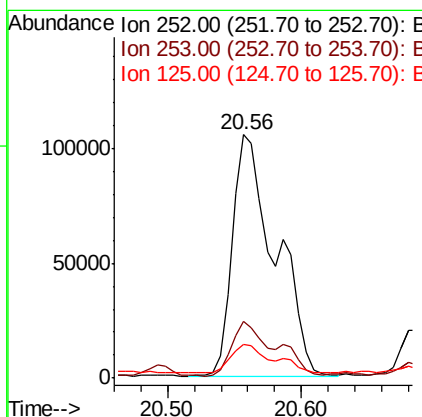
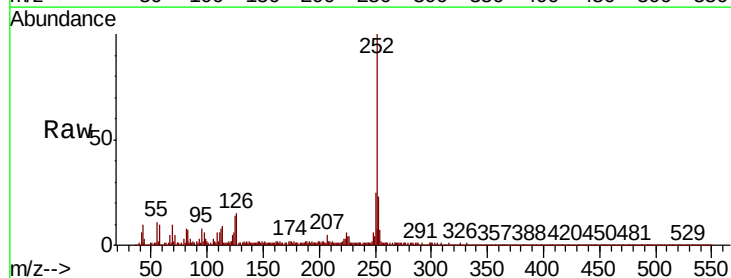
Instrument :
BNA_P
ClientSampleId :

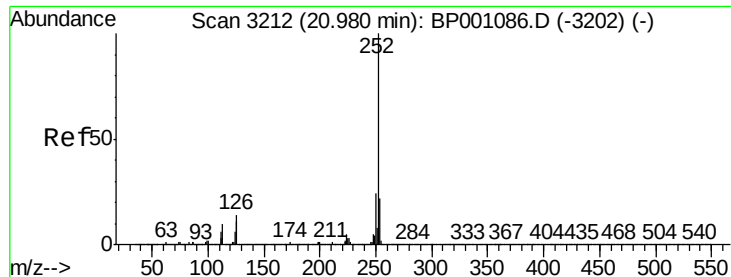
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.0
125	13.9	8.1	12.1#



#89
Benzo(k)fluoranthene
Concen: 8.832 ng
RT: 20.56 min Scan# 3140
Delta R.T. -0.04 min
Lab File: BP001133.D
Acq: 02 Dec 2019 18:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	13.9	8.2	12.2#

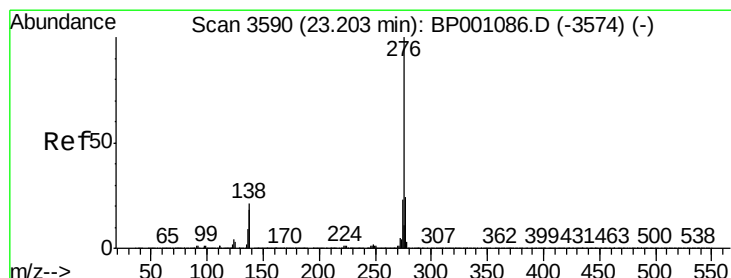
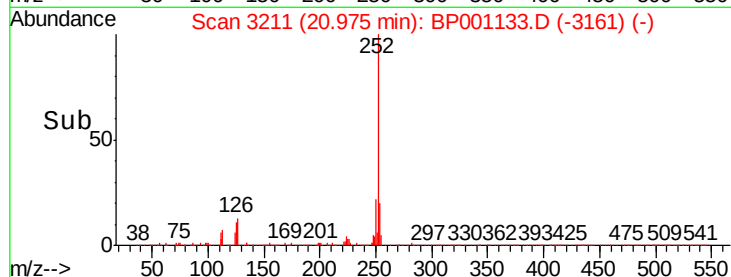
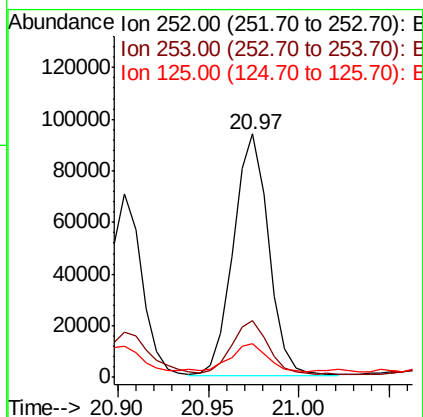
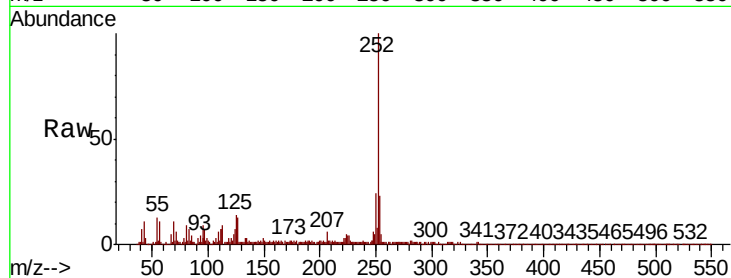




#90
Benzo(a)pyrene
Concen: 4.961 ng
RT: 20.97 min Scan# 3211
Delta R.T. -0.01 min
Lab File: BP001133.D
Acq: 02 Dec 2019 18:43

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.0
125	13.9	8.7	13.1#



#92
Benzo(g,h,i)perylene
Concen: 3.532 ng
RT: 23.19 min Scan# 3587
Delta R.T. -0.02 min
Lab File: BP001133.D
Acq: 02 Dec 2019 18:43

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.2	19.2	28.8
138	20.5	17.2	25.8

