

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011720\
 Data File : BP001664.D
 Acq On : 17 Jan 2020 19:01
 Operator : JU
 Sample : L1142-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Jan 18 02:34:09 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 14 21:52:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	54458	20.00	ng	0.00
21) Naphthalene-d8	10.42	136	197449	20.00	ng	0.00
39) Acenaphthene-d10	14.28	164	125858	20.00	ng	0.00
64) Phenanthrene-d10	17.05	188	222175	20.00	ng	0.00
76) Chrysene-d12	21.15	240	178753	20.00	ng	0.00
87) Perylene-d12	23.38	264	199033	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	306858	110.38	ng	0.00
7) Phenol-d6	6.84	99	430266	96.84	ng	0.00
23) Nitrobenzene-d5	8.79	82	299141	66.20	ng	0.00
42) 2,4,6-Tribromophenol	15.79	330	113609	59.30	ng	0.00
45) 2-Fluorobiphenyl	12.90	172	545334	63.71	ng	0.00
79) Terphenyl-d14	19.63	244	544157	55.68	ng	-0.01

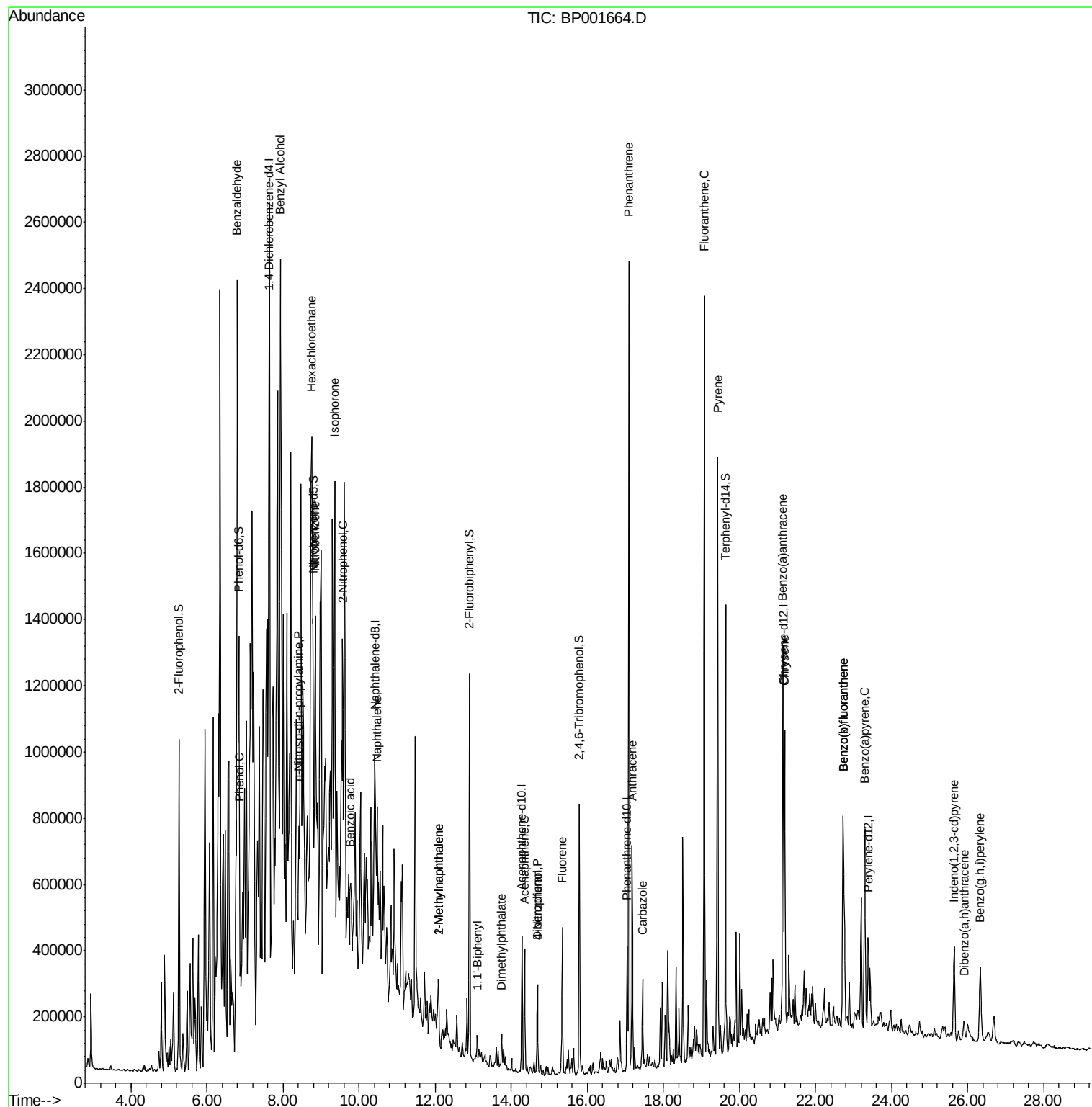
Target Compounds				Qvalue		
9) Benzaldehyde	6.79	77	33891	12.771	ng	# 12
10) Phenol	6.86	94	13428	2.922	ng	74
15) Benzyl Alcohol	7.93	79	30393	7.264	ng	# 52
18) Hexachloroethane	8.75	117	23670	14.373	ng	# 1
19) n-Nitroso-di-n-propylamine	8.41	70	23870	7.047	ng	# 73
24) Nitrobenzene	8.84	77	12348	2.701	ng	# 52
25) Isophorone	9.35	82	96814	11.948	ng	# 1
26) 2-Nitrophenol	9.58	139	8915	5.160	ng	# 18
31) Naphthalene	10.46	128	216685	20.794	ng	97
32) Benzoic acid	9.76	122	1696	5.362	ng	# 1
37) 2-Methylnaphthalene	12.08	142	50551	6.087	ng	94
38) 1-Methylnaphthalene	12.08	142	49752	6.225	ng	100
46) 1,1'-Biphenyl	13.11	154	20078	2.226	ng	99
50) Dimethylphthalate	13.75	163	56070	5.409	ng	98
52) Acenaphthene	14.35	154	119543	16.697	ng	99
55) Dibenzofuran	14.69	168	149164	12.321	ng	97
56) 4-Nitrophenol	14.69	139	53486	28.859	ng	# 1
58) Fluorene	15.34	166	166935	17.040	ng	99
71) Phenanthrene	17.09	178	1344737	111.296	ng	99
72) Anthracene	17.17	178	390786	33.223	ng	98
73) Carbazole	17.45	167	148914	13.485	ng	99
75) Fluoranthene	19.07	202	1299606	81.744	ng	99
78) Pyrene	19.43	202	1140700	86.872	ng	98
81) Benzo(a)anthracene	21.13	228	516353	41.477	ng	98
83) Chrysene	21.19	228	448028	36.929	ng	97
86) Indeno(1,2,3-cd)pyrene	25.64	276	274927	19.359	ng	100
88) Benzo(b)fluoranthene	22.72	252	561191	44.745	ng	# 99
89) Benzo(k)fluoranthene	22.72	252	561191	45.892	ng	# 99
90) Benzo(a)pyrene	23.29	252	454728	38.186	ng	# 98
91) Dibenzo(a,h)anthracene	25.90	278	55639	4.528	ng	93
92) Benzo(g,h,i)perylene	26.33	276	279146	22.854	ng	98

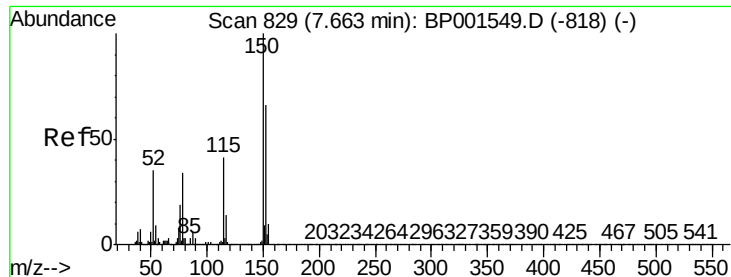
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.64 min Scan# 825

Delta R.T. -0.00 min

Lab File: BP001664.D

Acq: 17 Jan 2020 19:01

Instrument :

BNA_P

ClientSampleId :

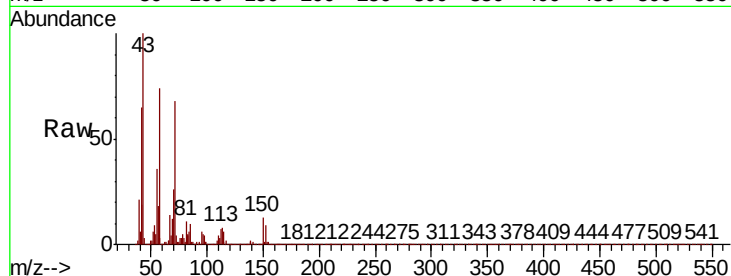
Tot Ion:152 Resp: 54458

Ion Ratio Lower Upper

152 100

150 150.9 122.0 183.0

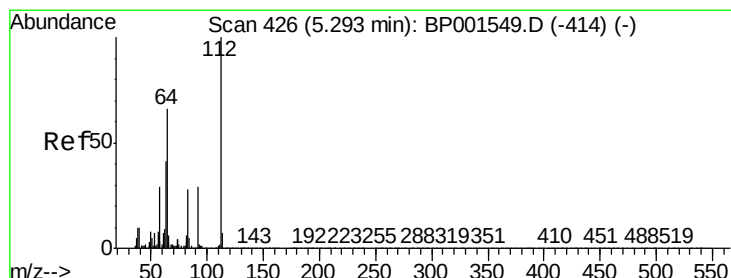
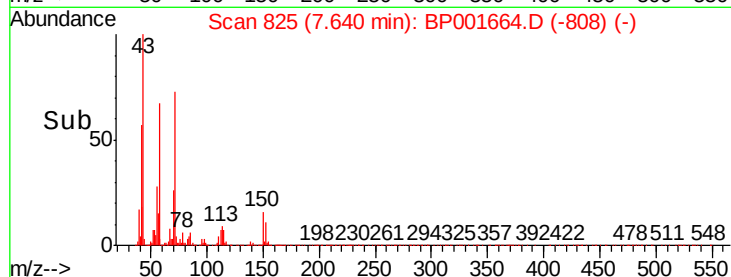
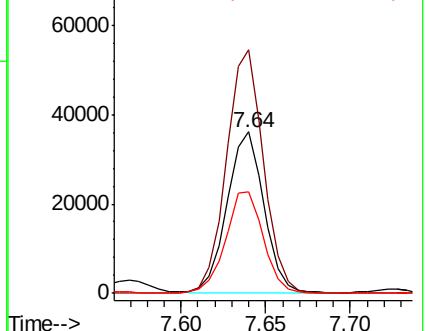
115 62.6 50.7 76.1



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: 110.379 ng

RT: 5.26 min Scan# 421

Delta R.T. -0.00 min

Lab File: BP001664.D

Acq: 17 Jan 2020 19:01

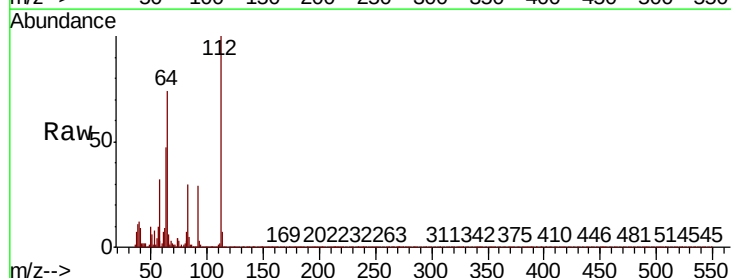
Tgt Ion:112 Resp: 306858

Ion Ratio Lower Upper

112 100

64 74.2 52.8 79.2

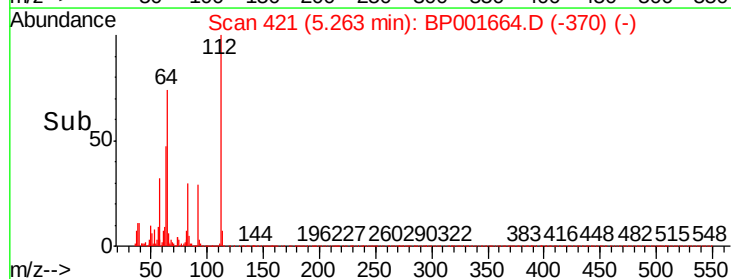
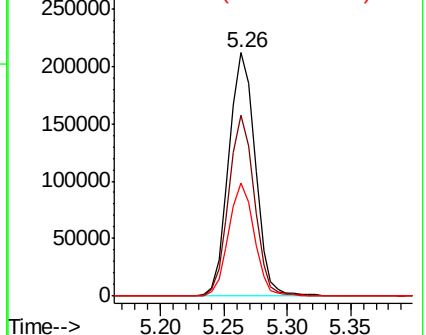
63 46.5 33.1 49.7

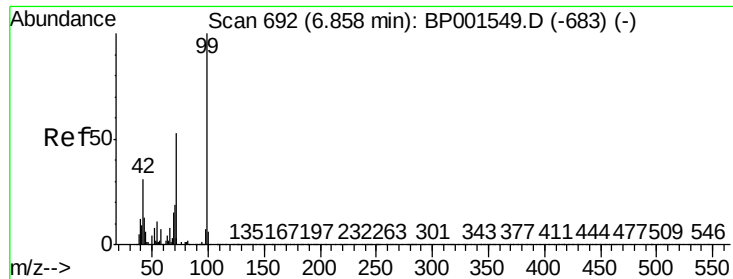


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 96.841 ng

RT: 6.84 min Scan# 689

Delta R.T. 0.01 min

Lab File: BP001664.D

Acq: 17 Jan 2020 19:01

Instrument :

BNA_P

ClientSampleId :

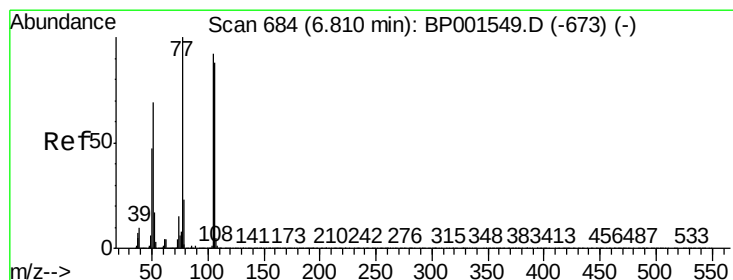
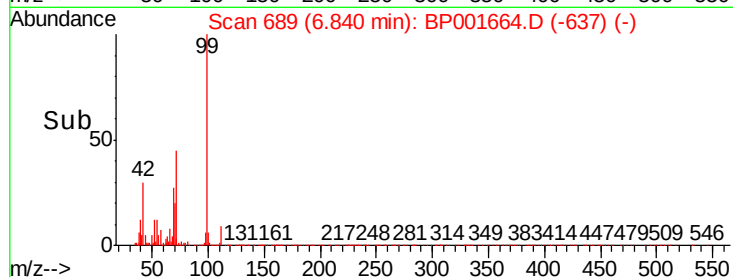
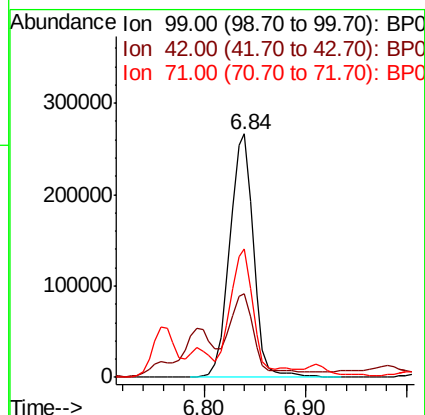
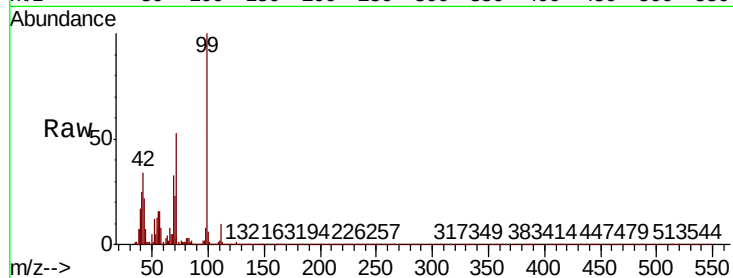
Tot Ion: 99 Resp: 430266

Ion Ratio Lower Upper

99 100

42 34.2 24.5 36.7

71 53.0 42.4 63.6



#9

Benzaldehyde

Concen: 12.771 ng

RT: 6.79 min Scan# 681

Delta R.T. 0.01 min

Lab File: BP001664.D

Acq: 17 Jan 2020 19:01

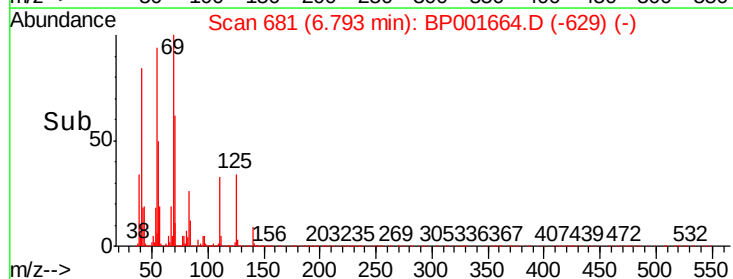
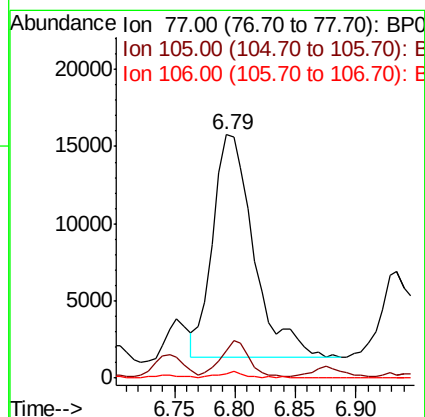
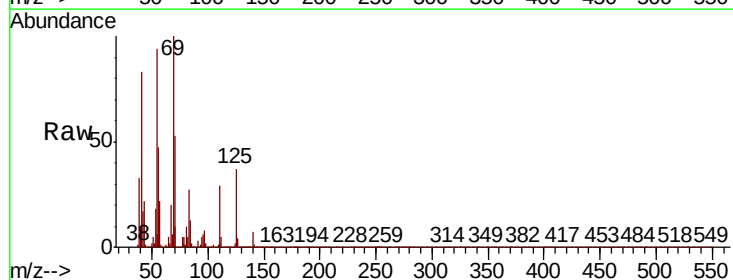
Tgt Ion: 77 Resp: 33891

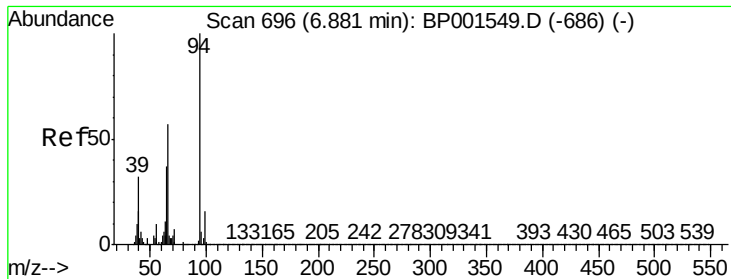
Ion Ratio Lower Upper

77 100

105 11.3 71.6 111.6#

106 1.7 67.7 107.7#





#10

Phenol

Concen: 2.922 ng

RT: 6.86 min Scan# 692

Delta R.T. -0.00 min

Lab File: BP001664.D

Acq: 17 Jan 2020 19:01

Instrument :

BNA_P

ClientSampled :

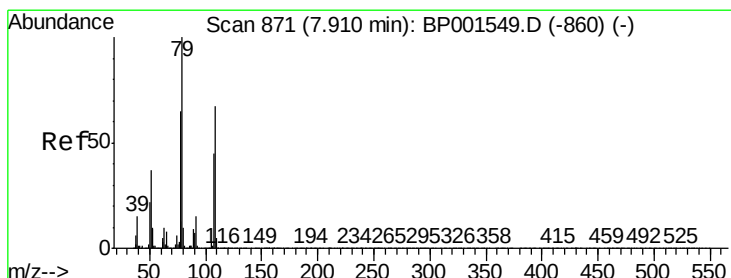
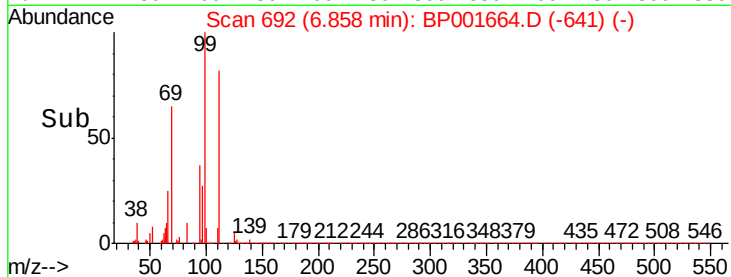
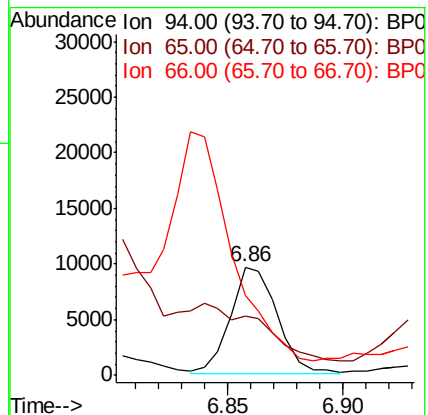
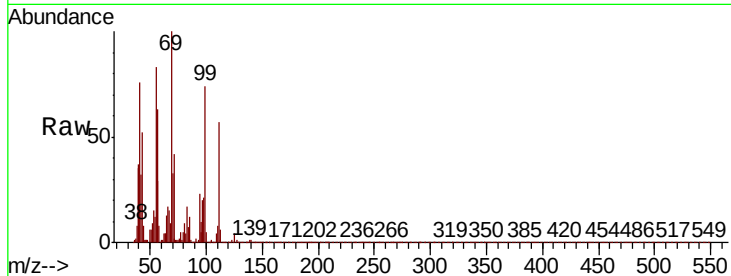
Tot Ion: 94 Resp: 13428

Ion Ratio Lower Upper

94 100

65 54.7 17.5 57.5

66 74.2 36.7 76.7



#15

Benzyl Alcohol

Concen: 7.264 ng

RT: 7.93 min Scan# 874

Delta R.T. 0.05 min

Lab File: BP001664.D

Acq: 17 Jan 2020 19:01

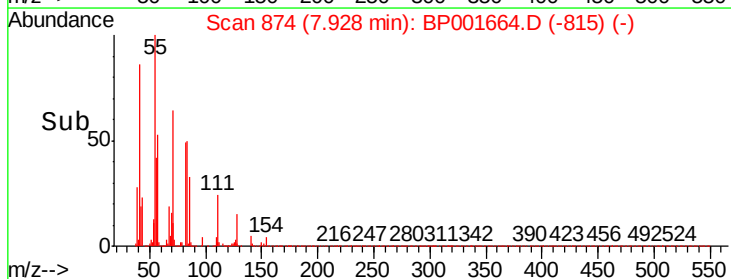
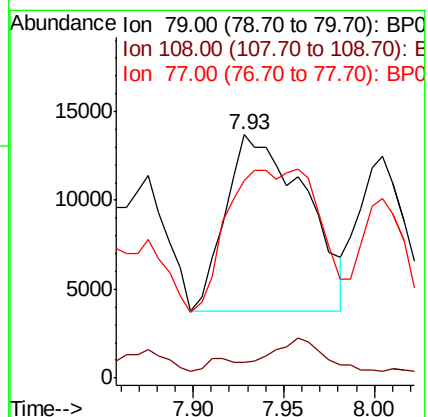
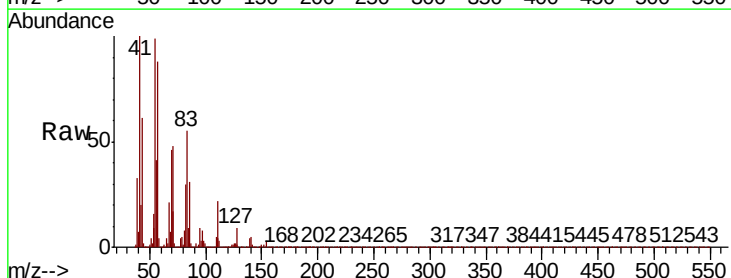
Tgt Ion: 79 Resp: 30393

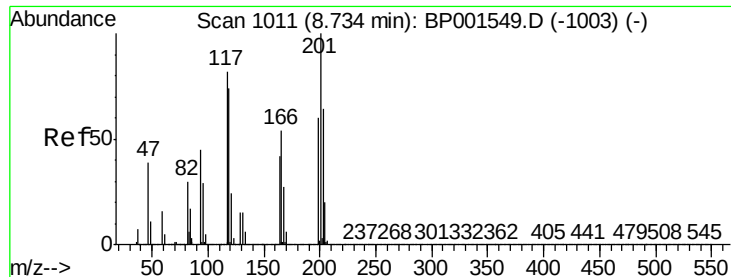
Ion Ratio Lower Upper

79 100

108 6.5 53.2 79.8#

77 80.9 52.1 78.1#

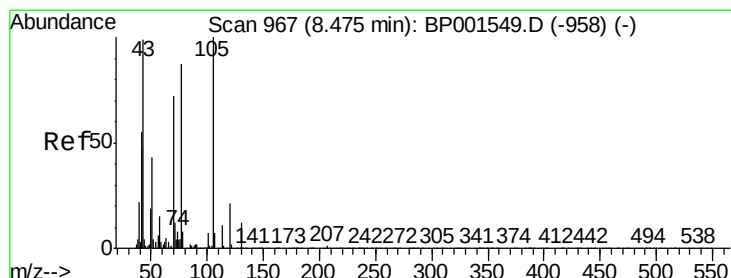
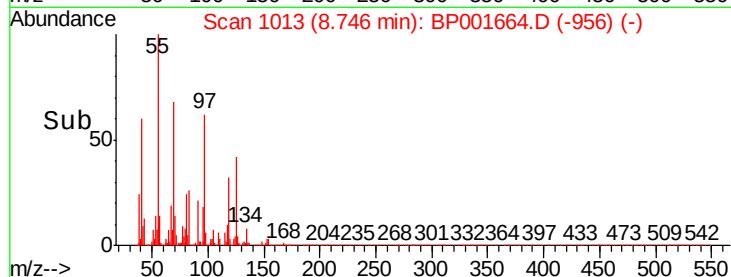
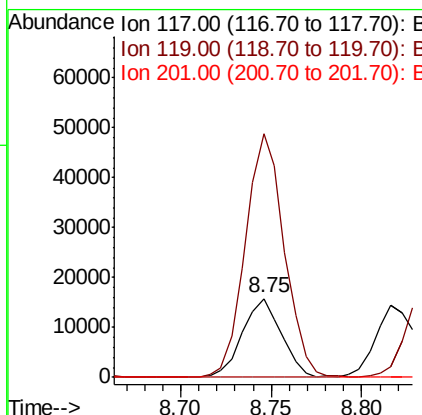
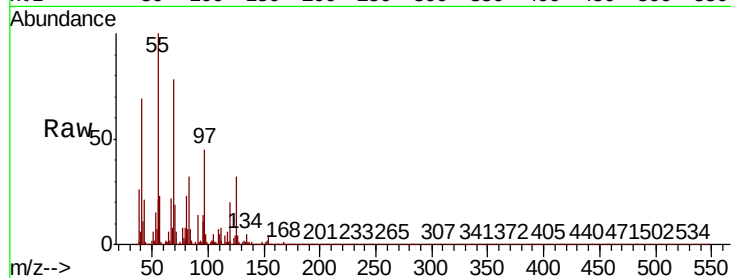




#18
Hexachloroethane
Concen: 14.373 ng
RT: 8.75 min Scan# 1013
Delta R.T. 0.04 min
Lab File: BP001664.D
Acq: 17 Jan 2020 19:01

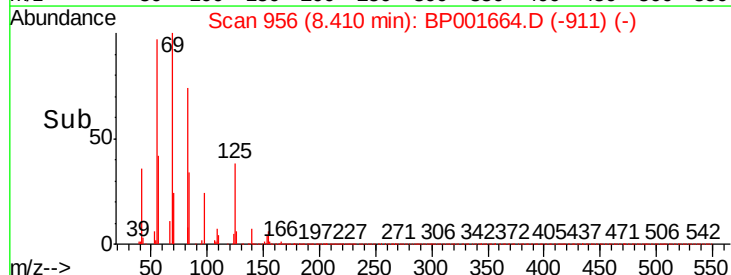
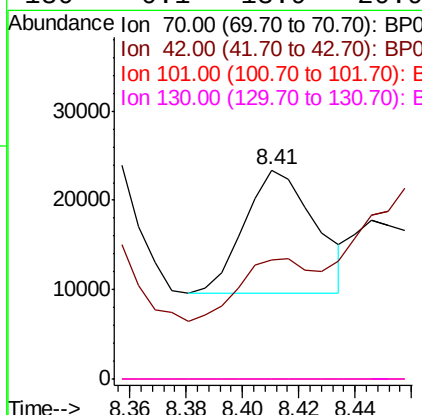
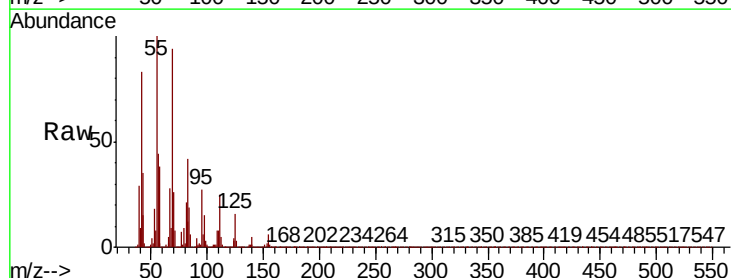
Instrument :
BNA_P
ClientSampleId :

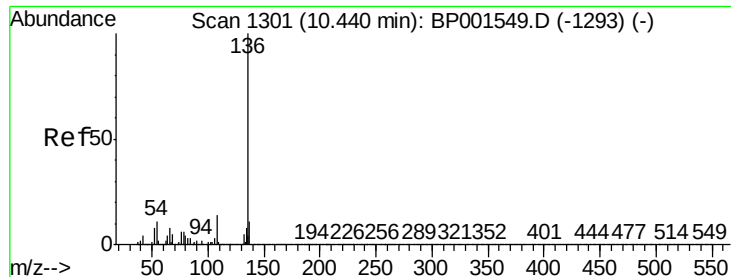
Tot Ion:117 Resp: 23670
Ion Ratio Lower Upper
117 100
119 308.6 71.8 107.8#
201 0.0 97.6 146.4#



#19
n-Nitroso-di-n-propylamine
Concen: 7.047 ng
RT: 8.41 min Scan# 956
Delta R.T. -0.04 min
Lab File: BP001664.D
Acq: 17 Jan 2020 19:01

Tgt Ion: 70 Resp: 23870
Ion Ratio Lower Upper
70 100
42 56.8 62.3 93.5#
101 0.1 7.3 10.9#
130 0.1 13.9 20.9#

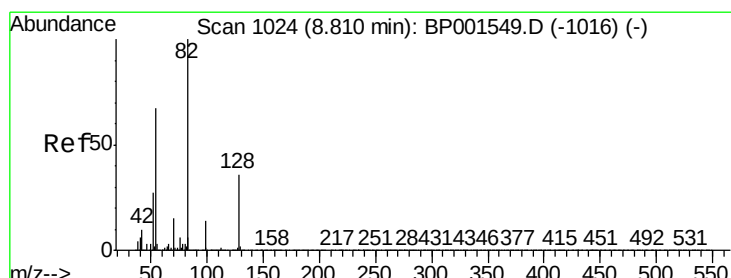
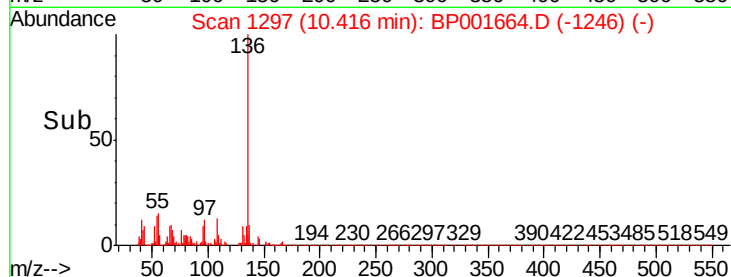
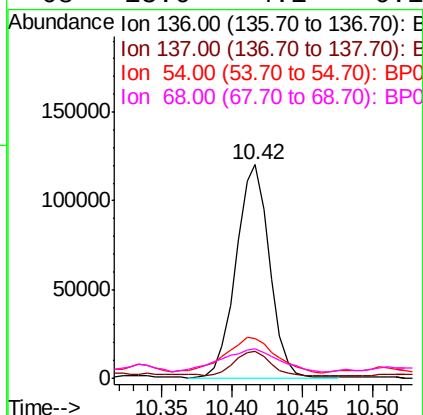
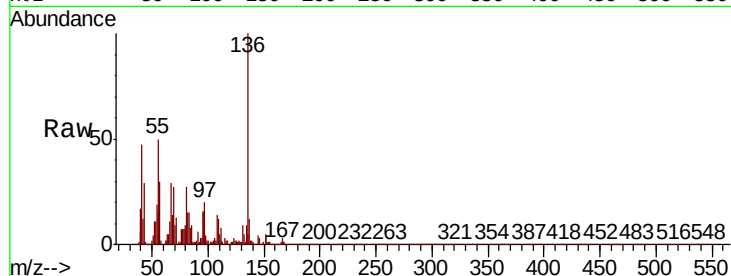




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.42 min Scan# 1297
Delta R.T. -0.00 min
Lab File: BP001664.D
Acq: 17 Jan 2020 19:01

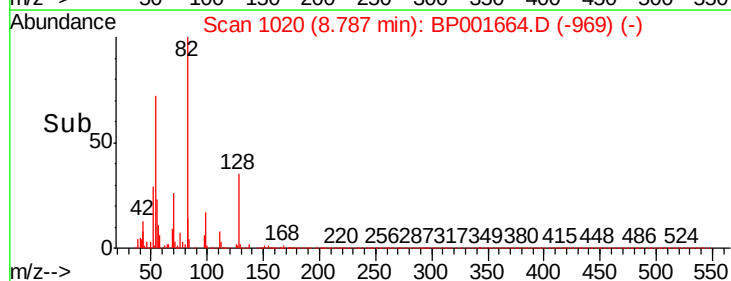
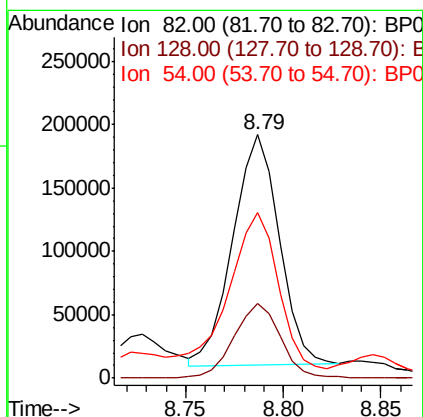
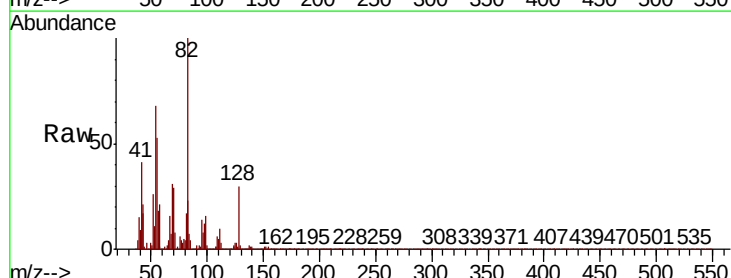
Instrument :
BNA_P
ClientSampleId :

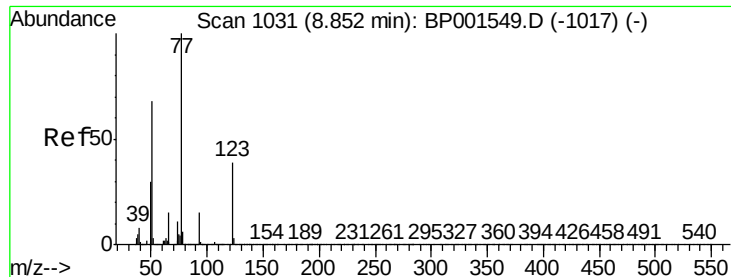
Tot Ion:136	Resp:	197449
Ion	Ratio	Lower Upper
136	100	
137	12.3	8.6 12.8
54	18.8	9.2 13.8#
68	13.6	4.1 6.1#



#23
Nitrobenzene-d5
Concen: 66.203 ng
RT: 8.79 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BP001664.D
Acq: 17 Jan 2020 19:01

Tgt Ion: 82	Resp:	299141
Ion	Ratio	Lower Upper
82	100	
128	30.5	28.4 42.6
54	67.7	53.4 80.2





#24

Nitrobenzene

Concen: 2.701 ng

RT: 8.84 min Scan# 1029

Delta R.T. 0.01 min

Lab File: BP001664.D

Acq: 17 Jan 2020 19:01

Instrument :

BNA_P

ClientSampleId :

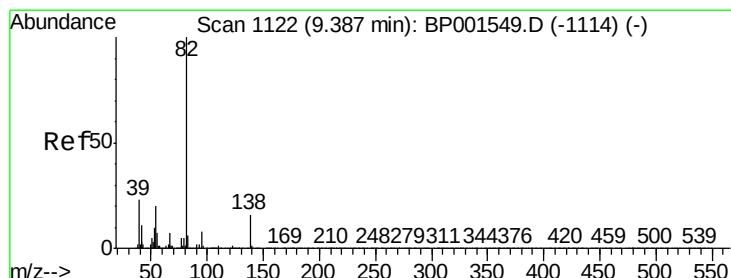
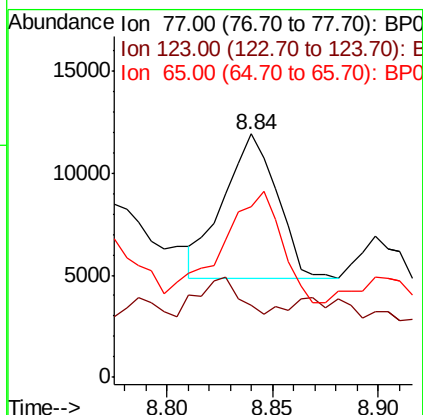
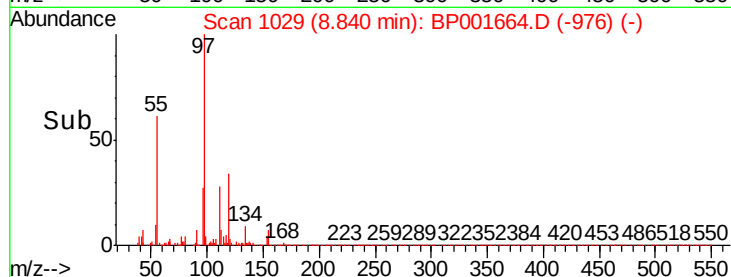
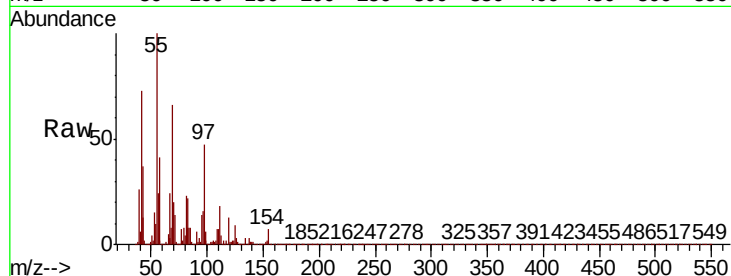
Tot Ion: 77 Resp: 12348

Ion Ratio Lower Upper

77 100

123 29.5 31.1 46.7#

65 69.9 12.4 18.6#



#25

Isophorone

Concen: 11.948 ng

RT: 9.35 min Scan# 1116

Delta R.T. -0.01 min

Lab File: BP001664.D

Acq: 17 Jan 2020 19:01

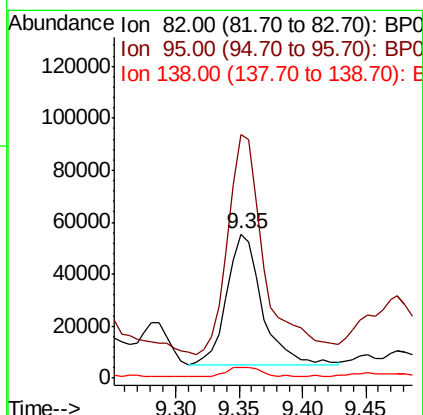
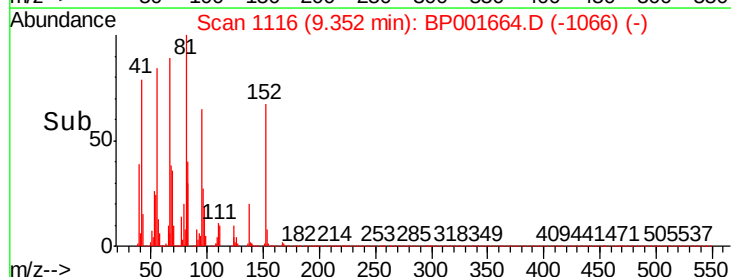
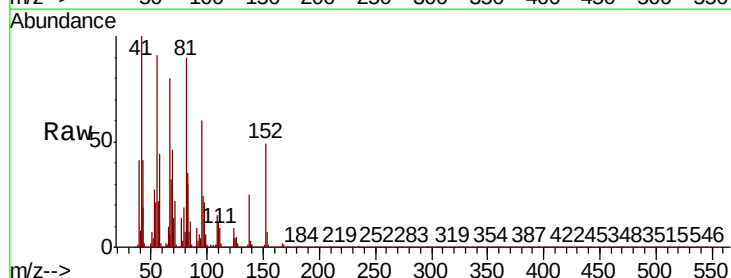
Tgt Ion: 82 Resp: 96814

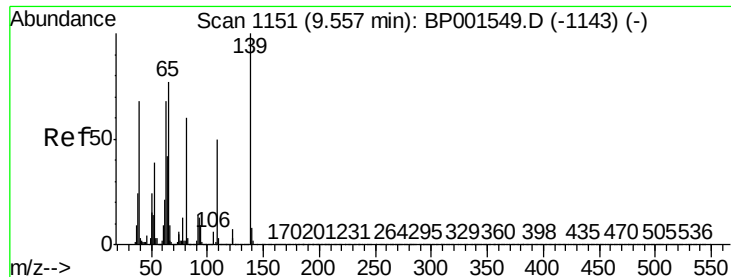
Ion Ratio Lower Upper

82 100

95 169.4 6.7 10.1#

138 7.6 12.5 18.7#

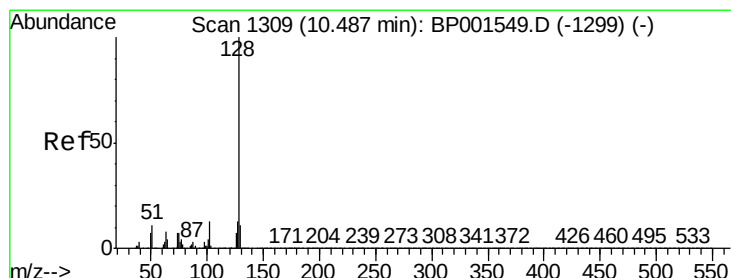
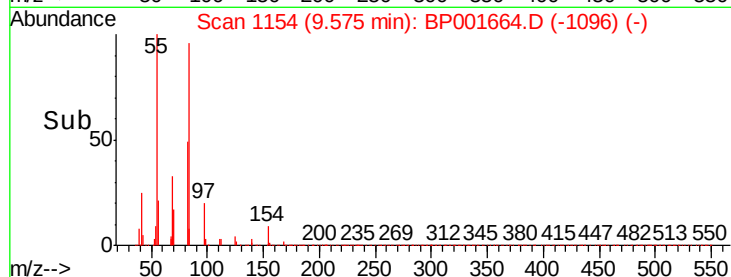
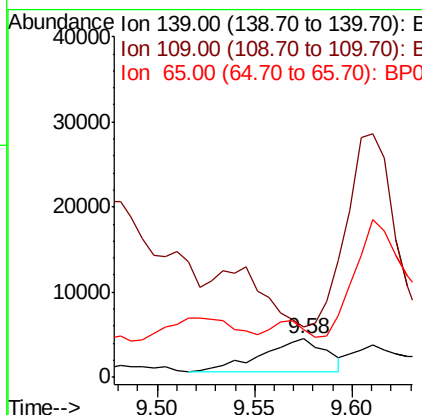
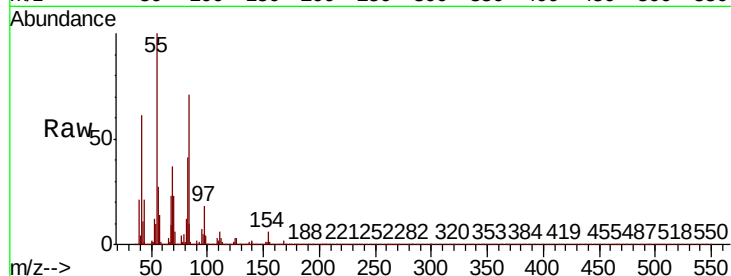




#26
2-Nitrophenol
Concen: 5.160 ng
RT: 9.58 min Scan# 1154
Delta R.T. 0.04 min
Lab File: BP001664.D
Acq: 17 Jan 2020 19:01

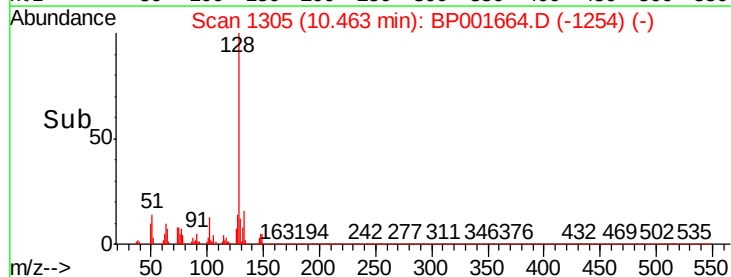
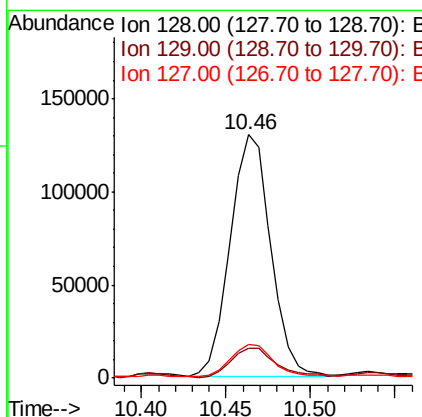
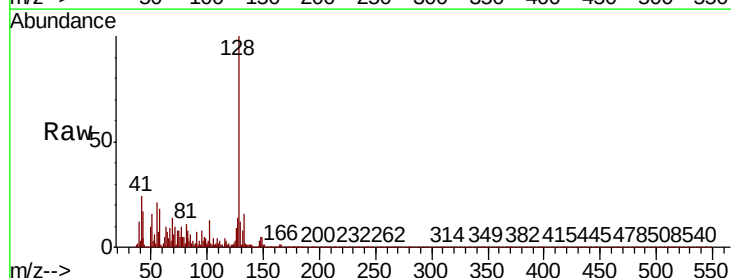
Instrument :
BNA_P
ClientSampleId :

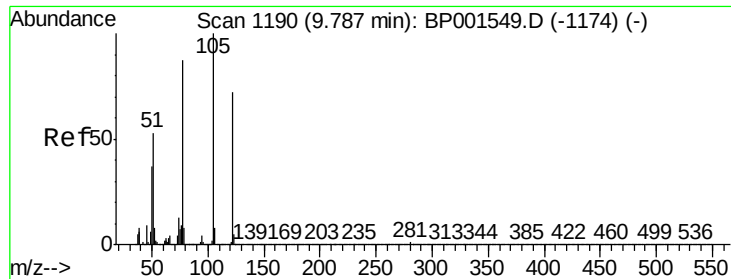
Tot Ion	Ratio	Lower	Upper
139	100		
109	132.9	39.6	59.4#
65	125.0	61.3	91.9#



#31
Naphthalene
Concen: 20.794 ng
RT: 10.46 min Scan# 1305
Delta R.T. -0.00 min
Lab File: BP001664.D
Acq: 17 Jan 2020 19:01

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.4	8.9	13.3
127	14.0	10.6	16.0

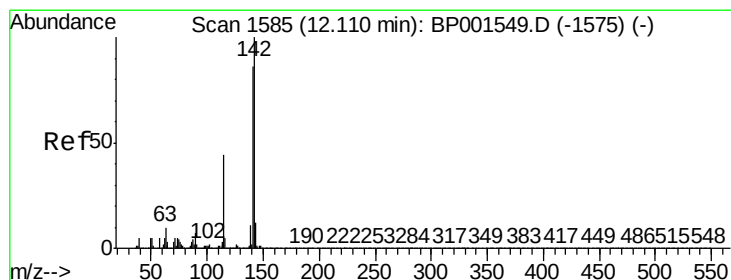
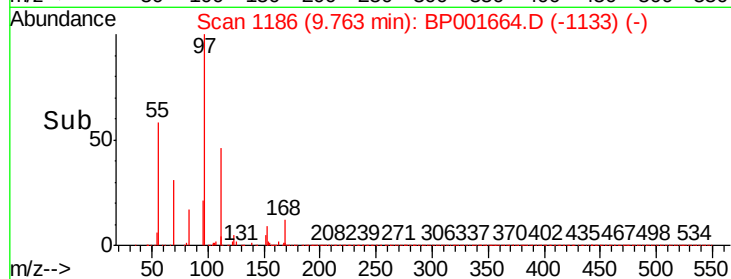
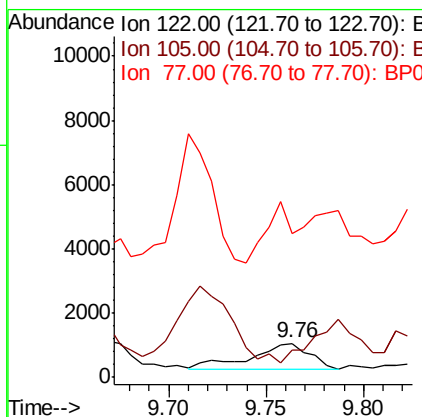
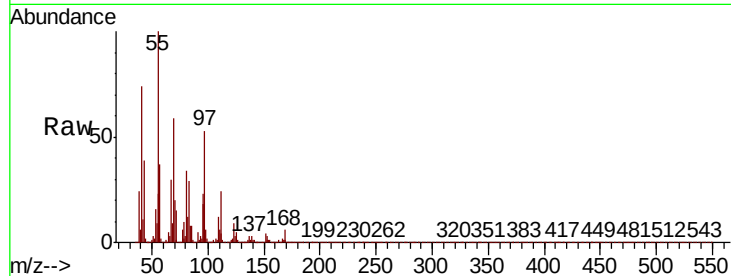




#32
Benzoic acid
Concen: 5.362 ng
RT: 9.76 min Scan# 1186
Delta R.T. 0.01 min
Lab File: BP001664.D
Acq: 17 Jan 2020 19:01

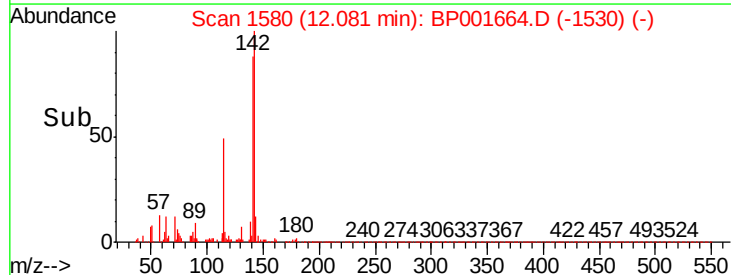
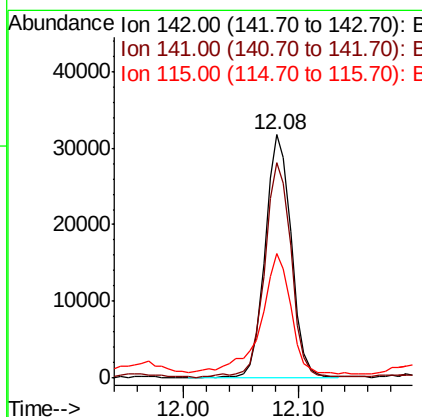
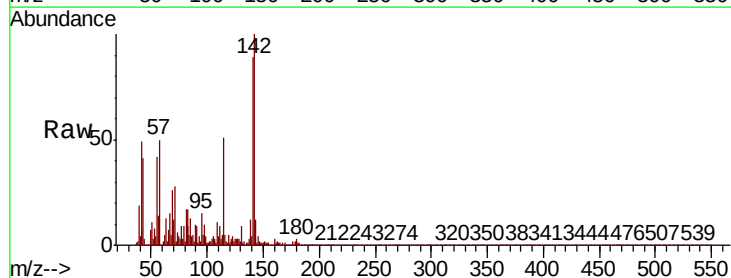
Instrument :
BNA_P
ClientSampleId :

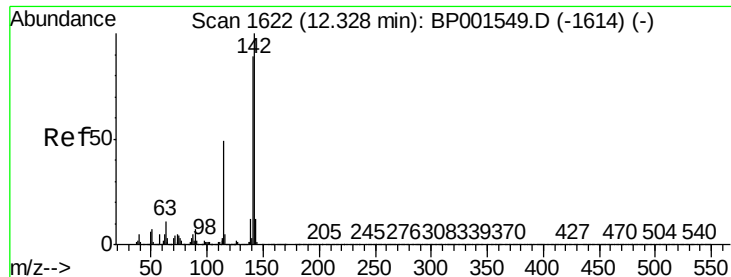
Tot Ion	Ratio	Lower	Upper
122	100		
105	78.8	119.5	159.5#
77	421.9	102.8	142.8#



#37
2-Methylnaphthalene
Concen: 6.087 ng
RT: 12.08 min Scan# 1580
Delta R.T. -0.01 min
Lab File: BP001664.D
Acq: 17 Jan 2020 19:01

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.5	68.4	102.6
115	51.0	35.1	52.7

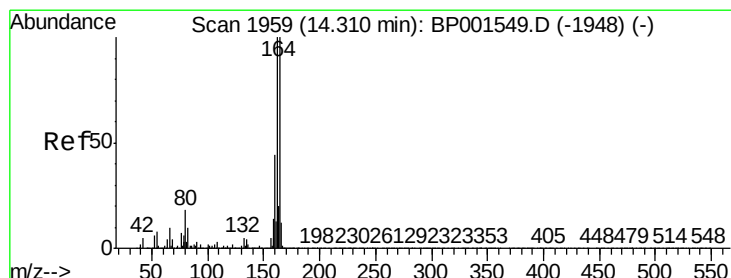
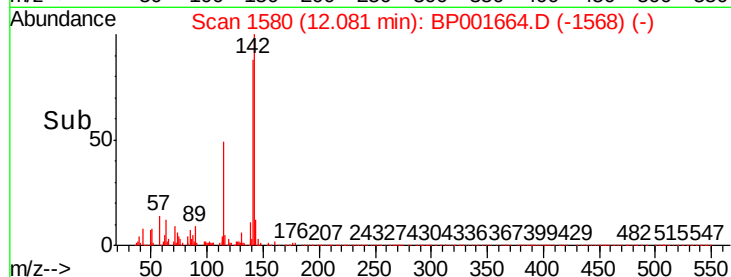
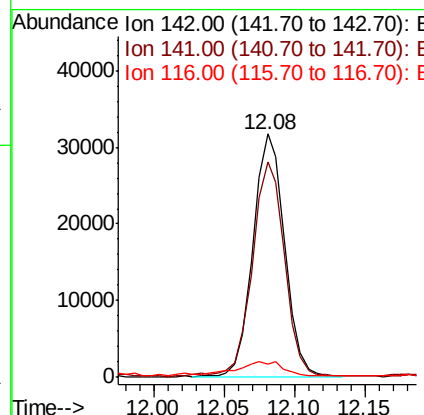
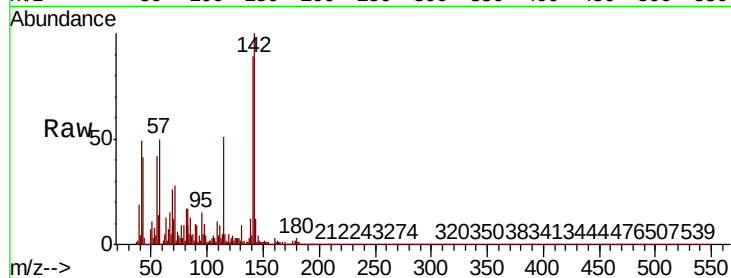




#38
 1-Methylnaphthalene
 Concen: 6.225 ng
 RT: 12.08 min Scan# 1580
 Delta R.T. -0.23 min
 Lab File: BP001664.D
 Acq: 17 Jan 2020 19:01

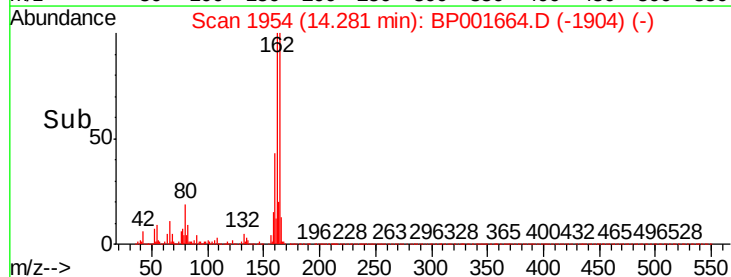
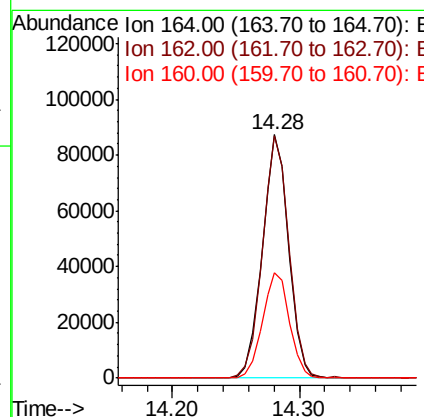
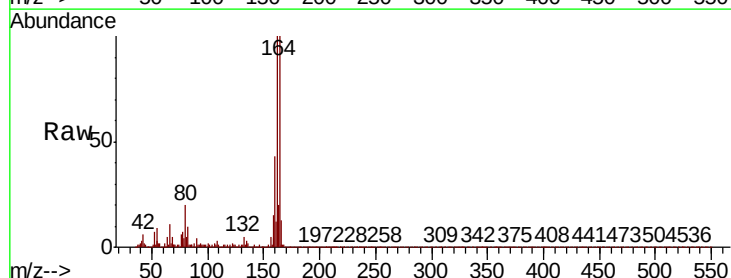
Instrument :
 BNA_P
 ClientSampleId :

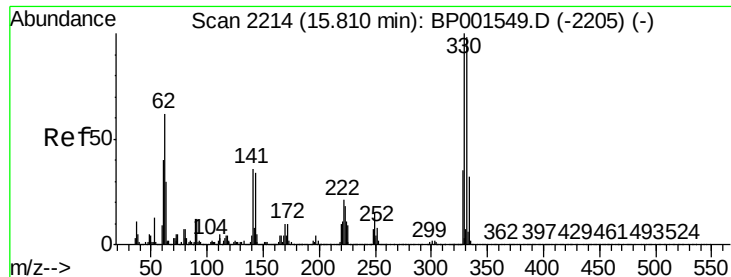
Tot Ion	Ratio	Lower	Upper
142	100		
141	88.5	70.9	106.3
116	5.4	4.1	6.1



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.28 min Scan# 1954
 Delta R.T. -0.01 min
 Lab File: BP001664.D
 Acq: 17 Jan 2020 19:01

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.7	79.8	119.6
160	43.5	35.0	52.6

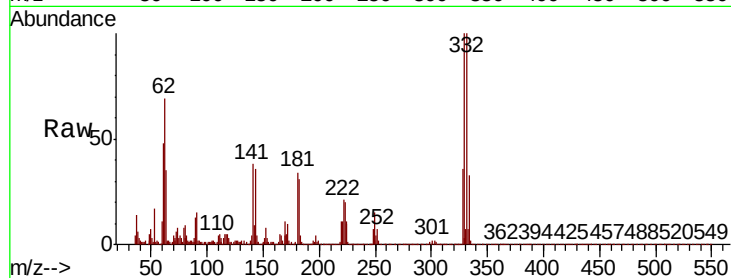




#42
2,4,6-Tribromophenol
Concen: 59.301 ng
RT: 15.79 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BP001664.D
Acq: 17 Jan 2020 19:01

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	99.1	77.8	116.6
141	38.3	28.7	43.1

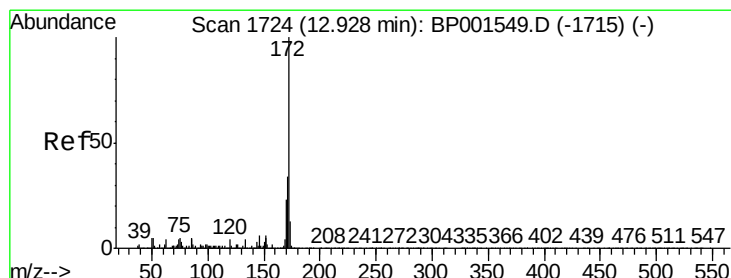
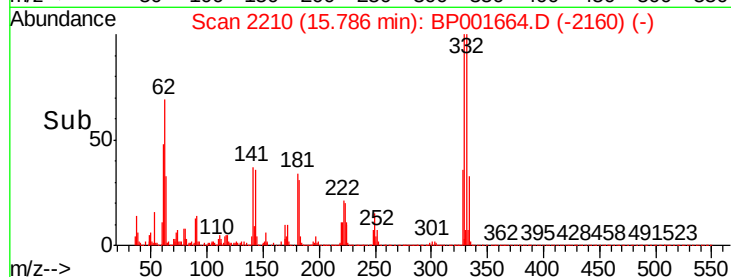
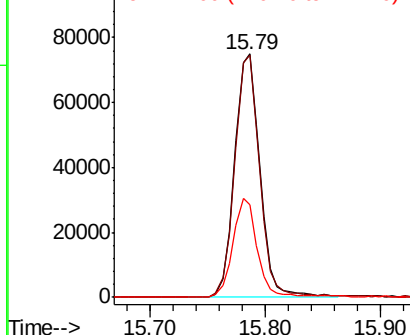


Abundance

Ion 329.80 (329.50 to 330.50): E

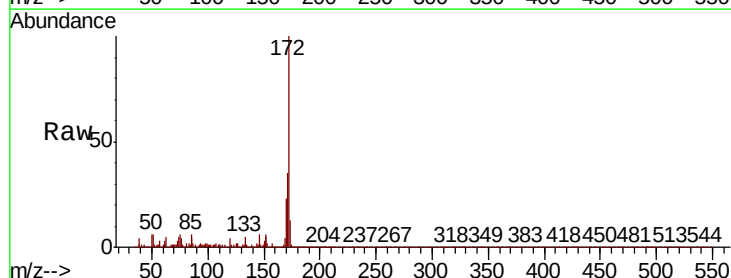
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
2-Fluorobiphenyl
Concen: 63.706 ng
RT: 12.90 min Scan# 1719
Delta R.T. -0.01 min
Lab File: BP001664.D
Acq: 17 Jan 2020 19:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.6	41.4
170	22.8	18.3	27.5

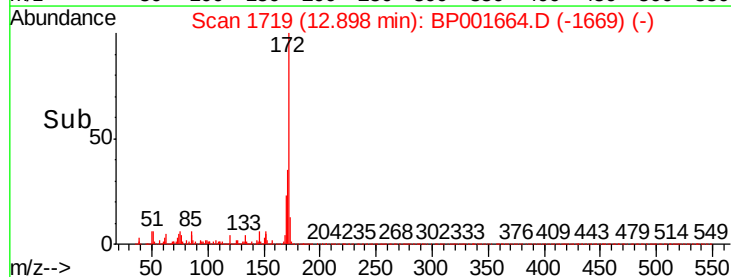
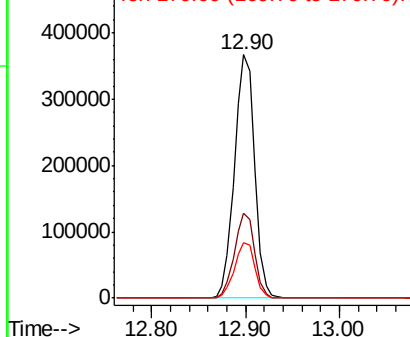


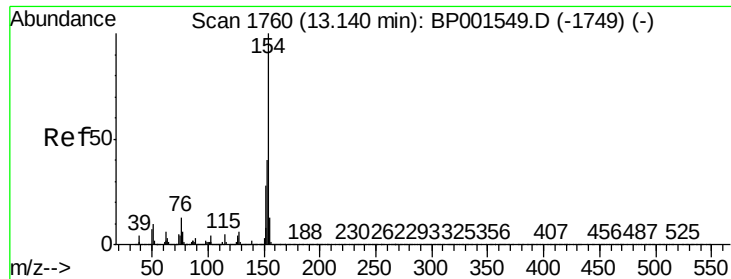
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

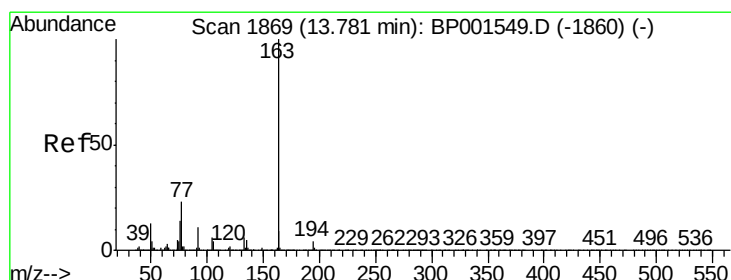
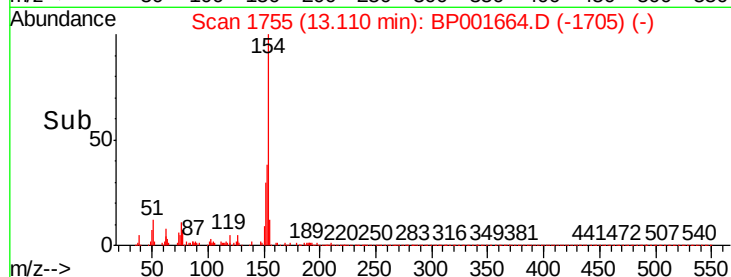
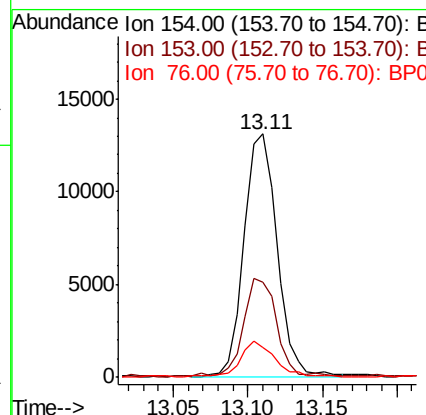
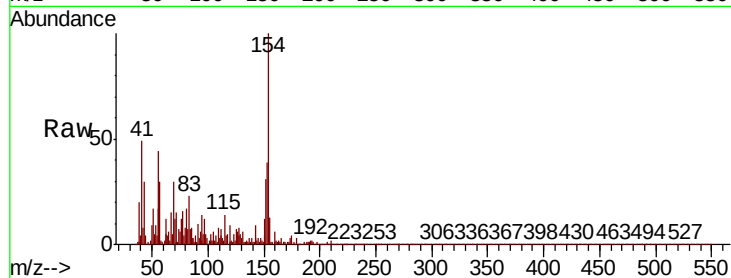




#46
 1,1'-Biphenyl
 Concen: 2.226 ng
 RT: 13.11 min Scan# 1755
 Delta R.T. -0.01 min
 Lab File: BP001664.D
 Acq: 17 Jan 2020 19:01

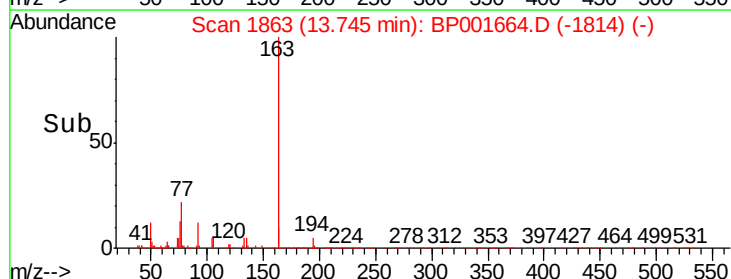
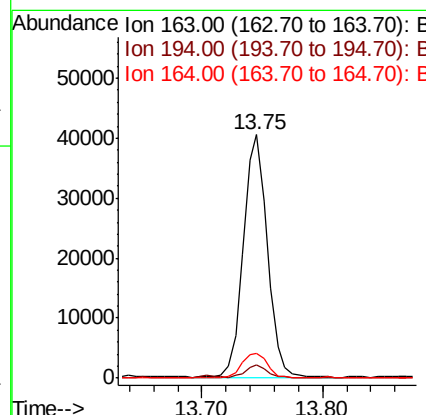
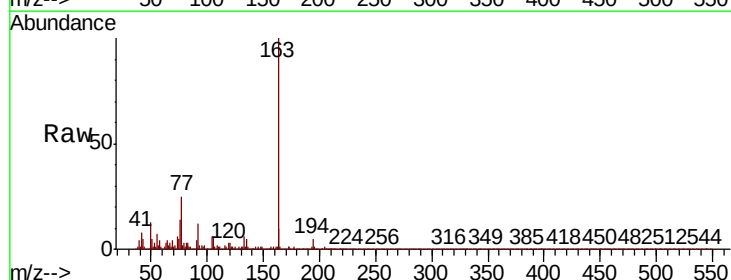
Instrument :
 BNA_P
 ClientSampleId :

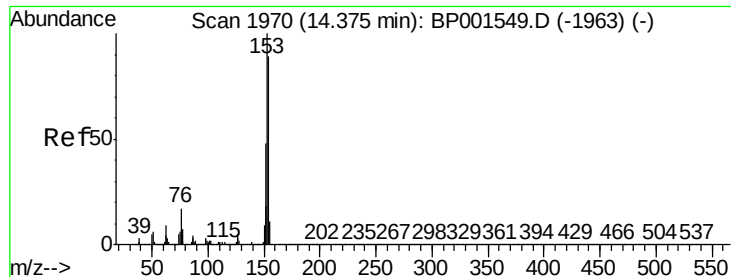
Tot Ion	Ratio	Lower	Upper
154	100		
153	39.0	19.5	59.5
76	12.2	0.0	33.1



#50
 Dimethylphthalate
 Concen: 5.409 ng
 RT: 13.75 min Scan# 1863
 Delta R.T. -0.01 min
 Lab File: BP001664.D
 Acq: 17 Jan 2020 19:01

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.4	3.6	5.4
164	10.0	7.5	11.3





#52

Acenaphthene

Concen: 16.697 ng

RT: 14.35 min Scan# 1965

Delta R.T. -0.01 min

Lab File: BP001664.D

Acq: 17 Jan 2020 19:01

Instrument :

BNA_P

ClientSampleId :

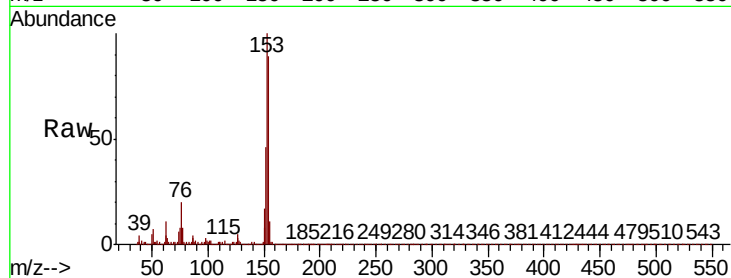
Tot Ion:154 Resp: 119543

Ion Ratio Lower Upper

154 100

153 112.9 89.4 134.2

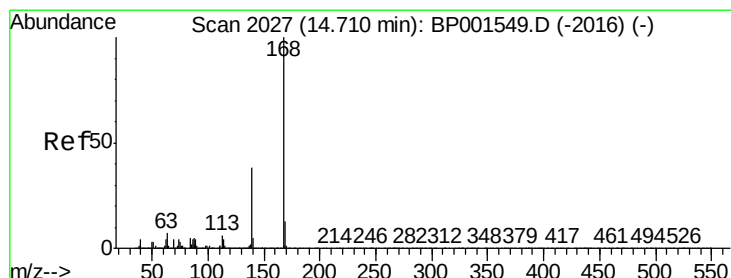
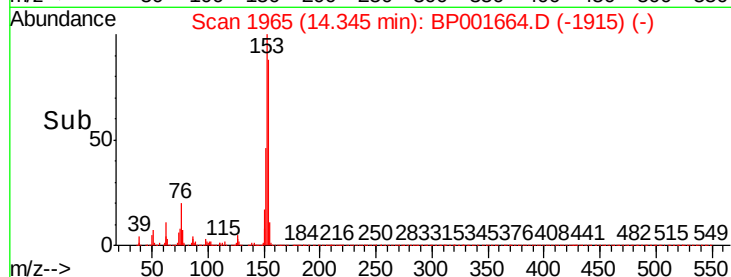
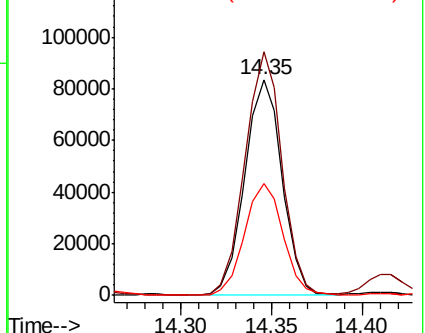
152 51.7 42.6 64.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 12.321 ng

RT: 14.69 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BP001664.D

Acq: 17 Jan 2020 19:01

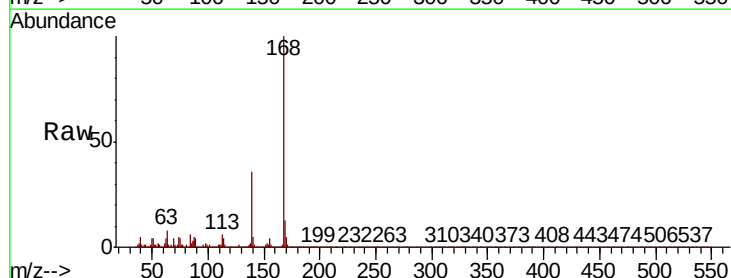
Tgt Ion:168 Resp: 149164

Ion Ratio Lower Upper

168 100

139 35.8 30.2 45.4

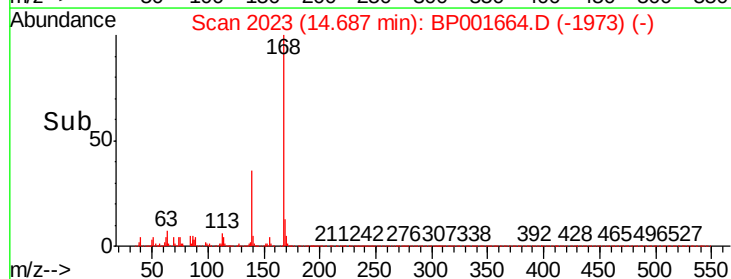
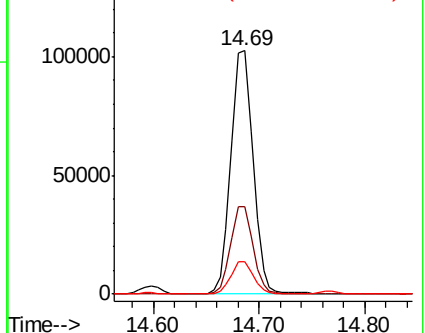
169 13.1 10.6 16.0

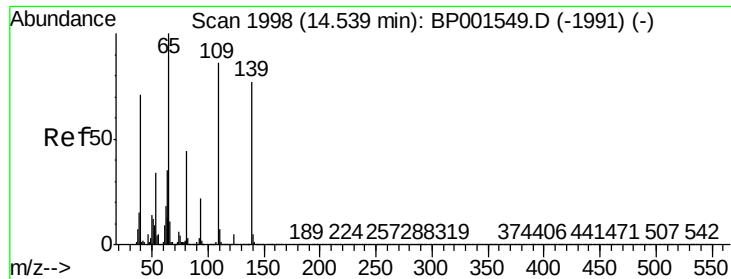


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

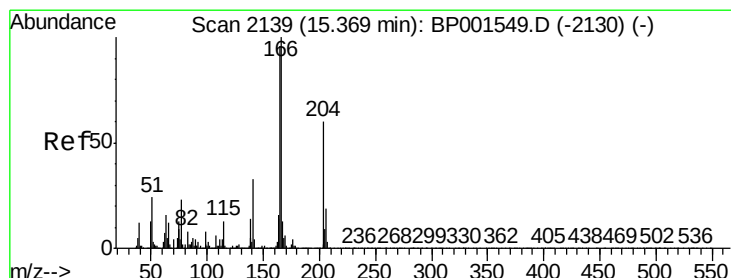
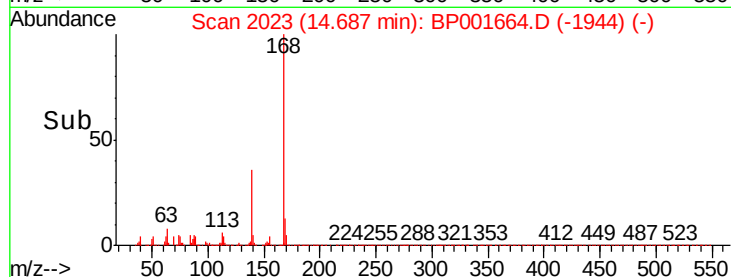
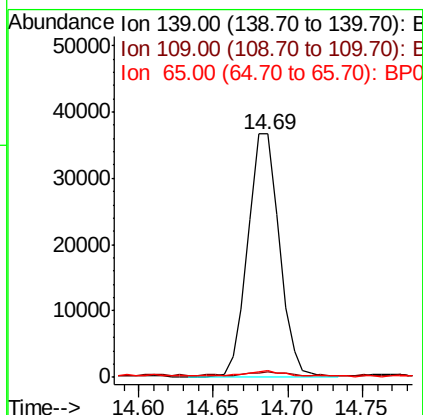
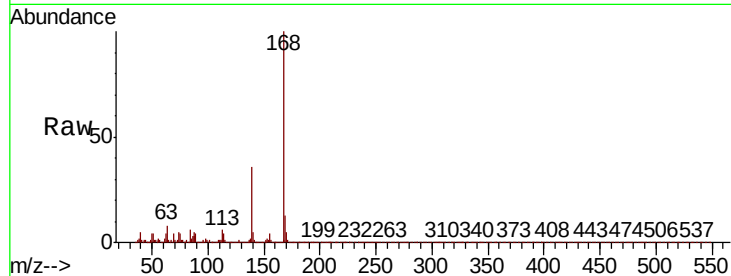




#56
4-Nitrophenol
Concen: 28.859 ng
RT: 14.69 min Scan# 2023
Delta R.T. 0.16 min
Lab File: BP001664.D
Acq: 17 Jan 2020 19:01

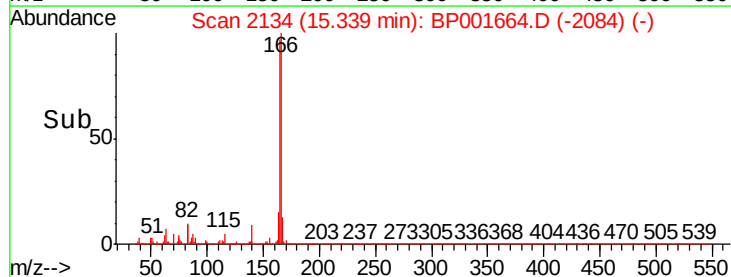
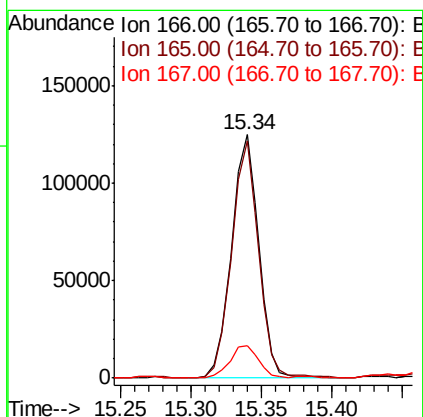
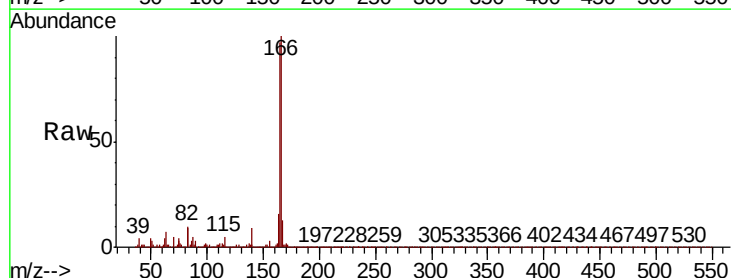
Instrument :
BNA_P
ClientSampled :

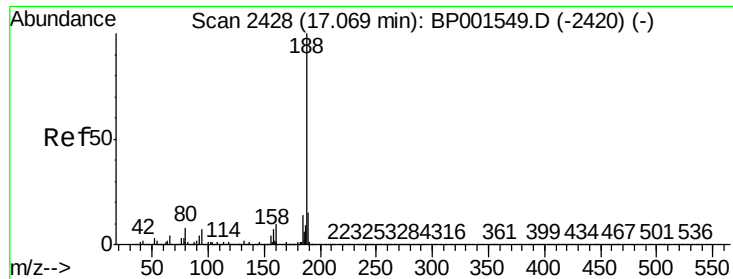
Tot Ion:139 Resp: 53486
Ion Ratio Lower Upper
139 100
109 2.3 92.7 132.7#
65 2.8 111.1 151.1#



#58
Fluorene
Concen: 17.040 ng
RT: 15.34 min Scan# 2134
Delta R.T. -0.01 min
Lab File: BP001664.D
Acq: 17 Jan 2020 19:01

Tgt Ion:166 Resp: 166935
Ion Ratio Lower Upper
166 100
165 97.5 76.9 115.3
167 13.1 10.3 15.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.05 min Scan# 2424

Delta R.T. -0.01 min

Lab File: BP001664.D

Acq: 17 Jan 2020 19:01

Instrument :

BNA_P

ClientSampleId :

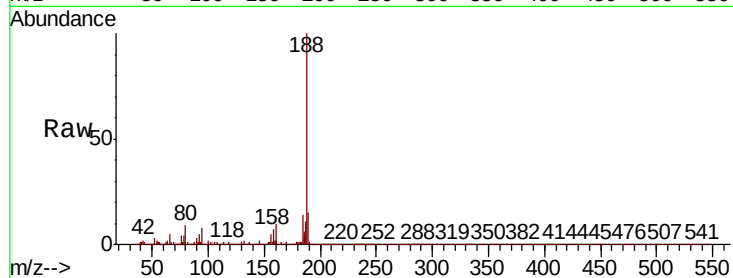
Tot Ion:188 Resp: 222175

Ion Ratio Lower Upper

188 100

94 7.8 5.9 8.9

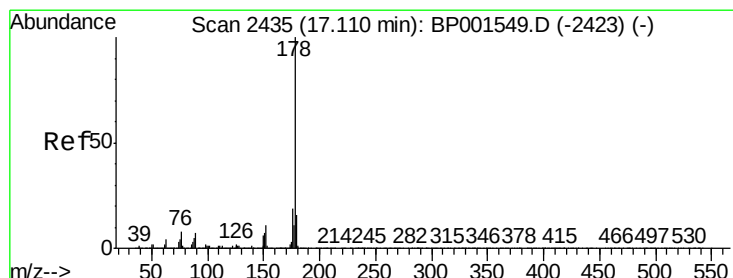
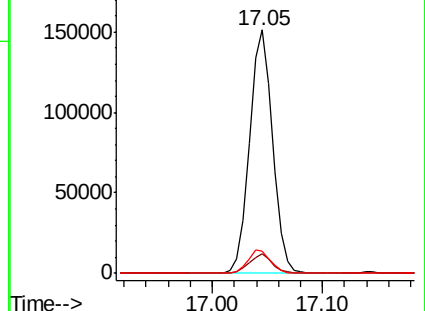
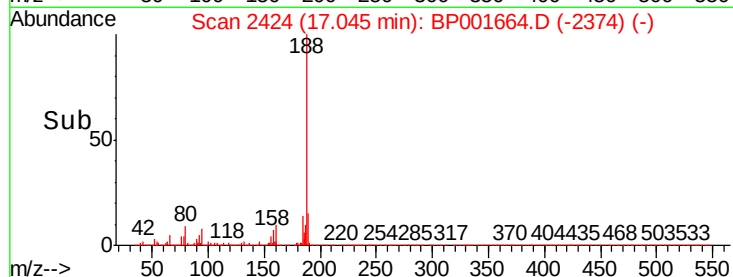
80 9.3 6.8 10.2



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



#71

Phenanthrene

Concen: 111.296 ng

RT: 17.09 min Scan# 2432

Delta R.T. -0.00 min

Lab File: BP001664.D

Acq: 17 Jan 2020 19:01

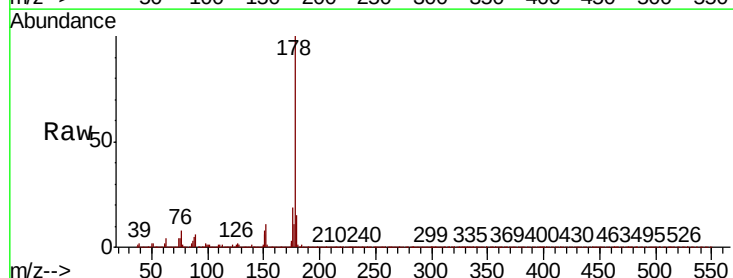
Tgt Ion:178 Resp: 1344737

Ion Ratio Lower Upper

178 100

176 18.9 14.9 22.3

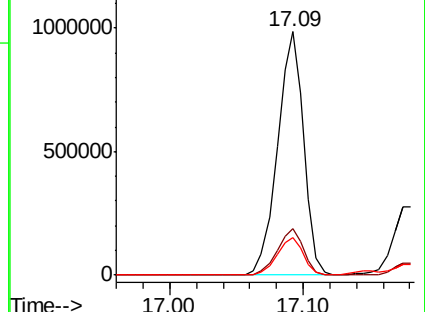
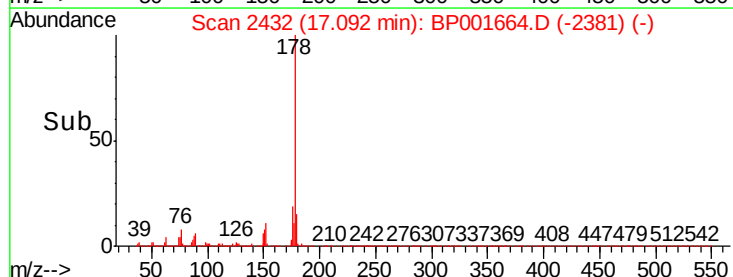
179 15.2 12.5 18.7

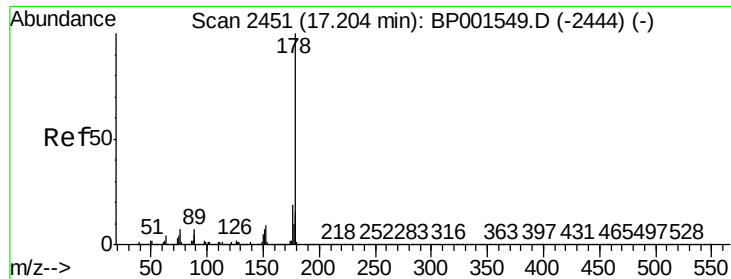


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 33.223 ng

RT: 17.17 min Scan# 2446

Delta R.T. -0.01 min

Lab File: BP001664.D

Acq: 17 Jan 2020 19:01

Instrument :

BNA_P

ClientSampleId :

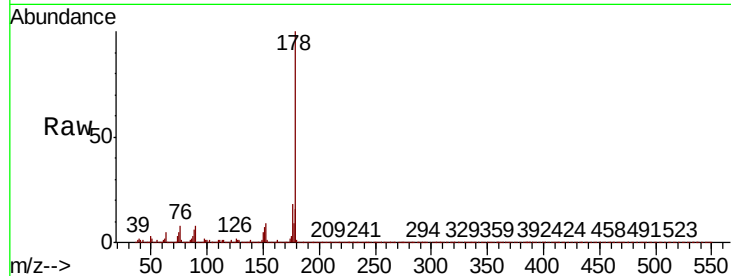
Tot Ion:178 Resp: 390786

Ion Ratio Lower Upper

178 100

176 18.3 15.0 22.6

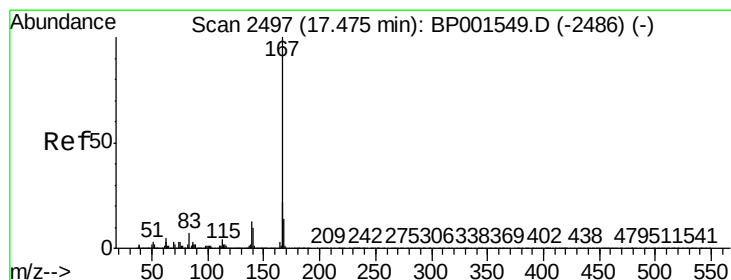
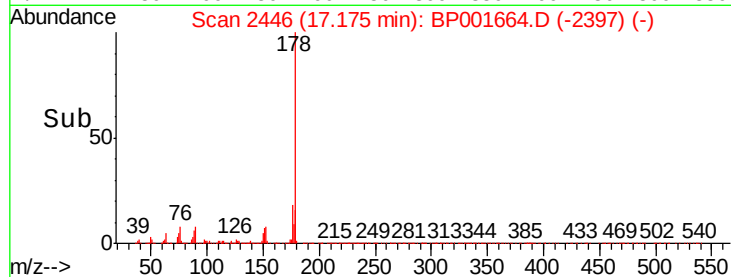
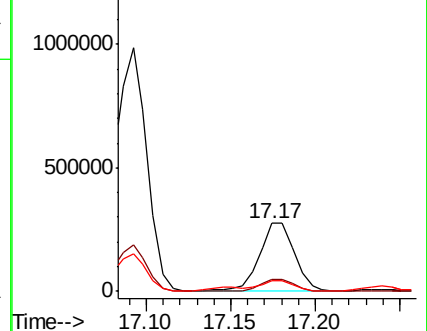
179 15.8 11.8 17.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73

Carbazole

Concen: 13.485 ng

RT: 17.45 min Scan# 2493

Delta R.T. -0.01 min

Lab File: BP001664.D

Acq: 17 Jan 2020 19:01

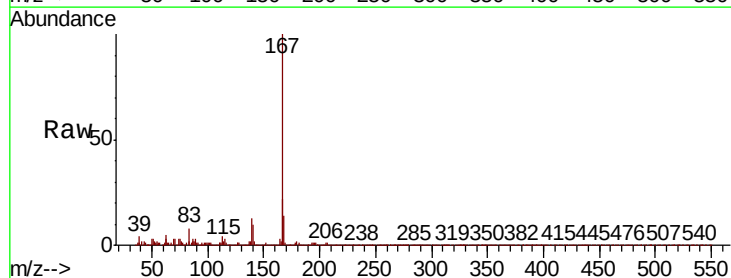
Tgt Ion:167 Resp: 148914

Ion Ratio Lower Upper

167 100

166 22.2 17.2 25.8

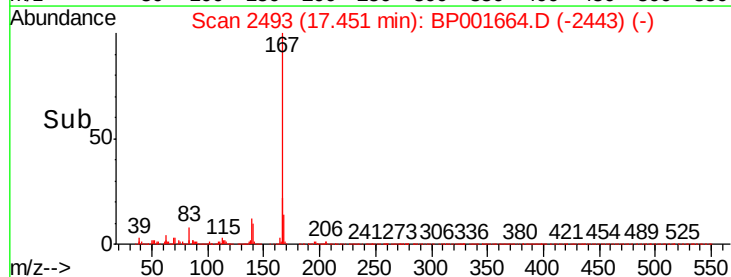
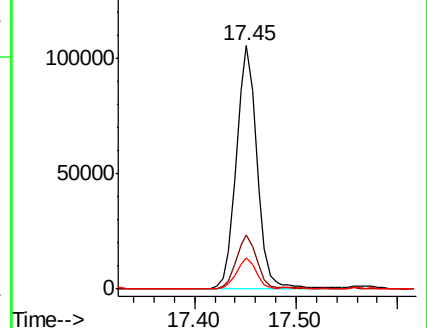
139 12.7 10.0 15.0

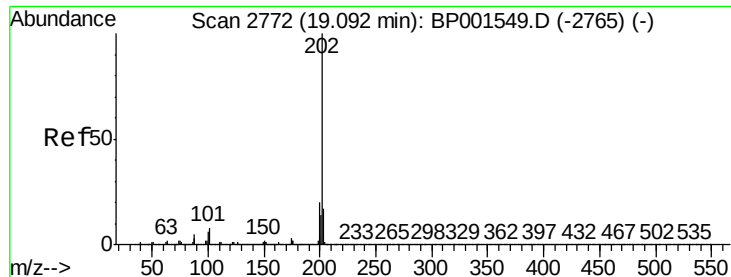


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 81.744 ng

RT: 19.07 min Scan# 2769

Delta R.T. -0.00 min

Lab File: BP001664.D

Acq: 17 Jan 2020 19:01

Instrument :

BNA_P

ClientSampleId :

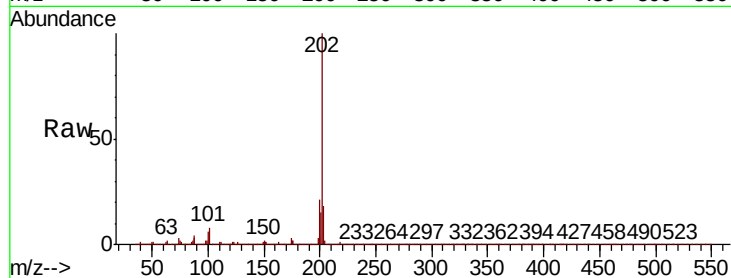
Tot Ion:202 Resp: 1299606

Ion	Ratio	Lower	Upper
202	100		
101	7.7	0.0	28.4
203	17.6	0.0	37.4

202 100

101 7.7 0.0 28.4

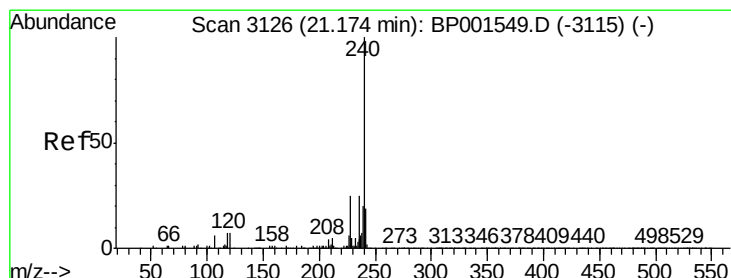
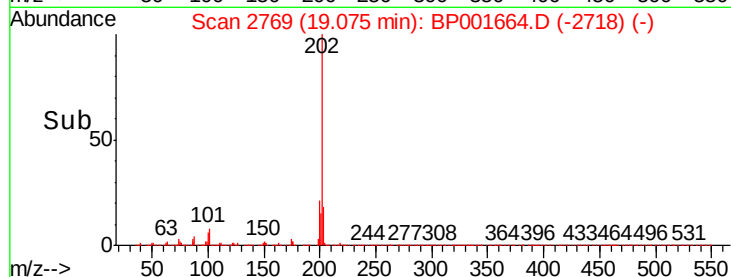
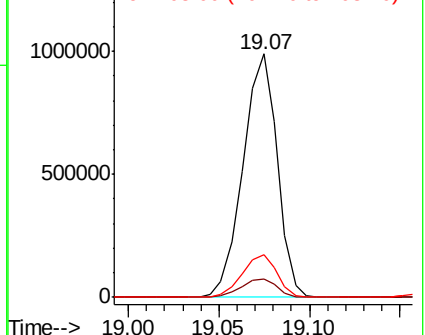
203 17.6 0.0 37.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.15 min Scan# 3122

Delta R.T. -0.01 min

Lab File: BP001664.D

Acq: 17 Jan 2020 19:01

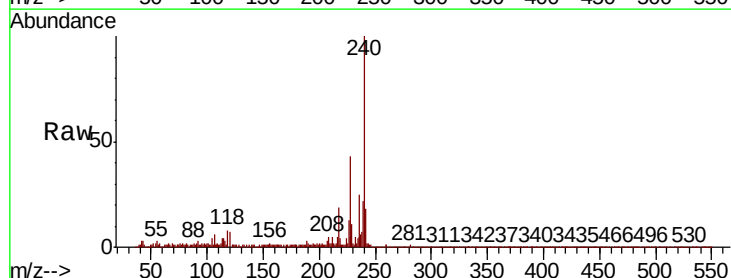
Tgt Ion:240 Resp: 178753

Ion	Ratio	Lower	Upper
240	100		
120	6.9	5.7	8.5
236	25.1	20.4	30.6

240 100

120 6.9 5.7 8.5

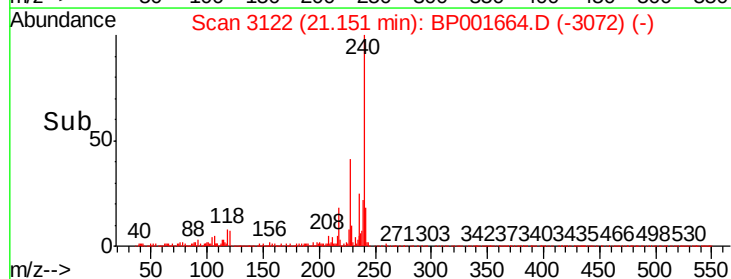
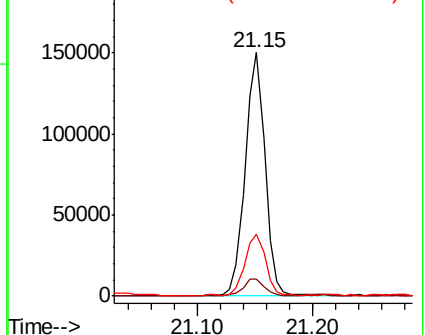
236 25.1 20.4 30.6

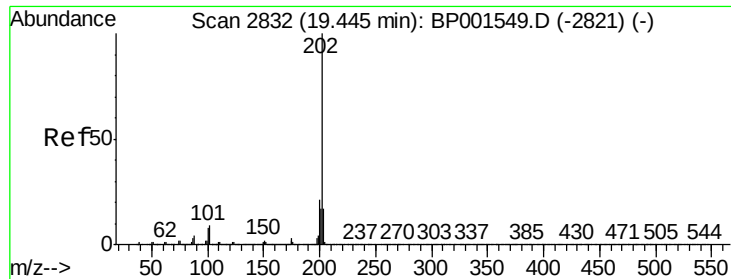


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



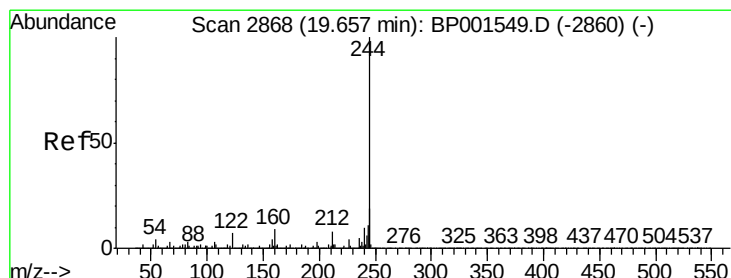
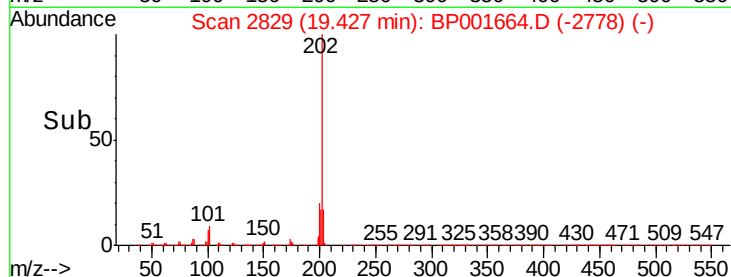
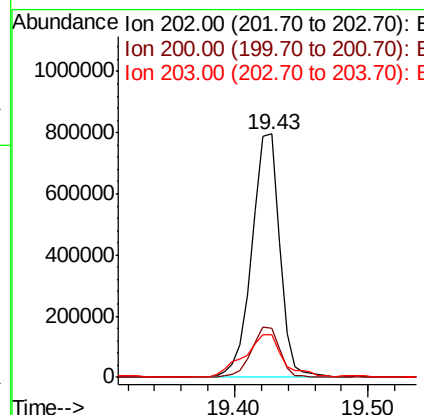
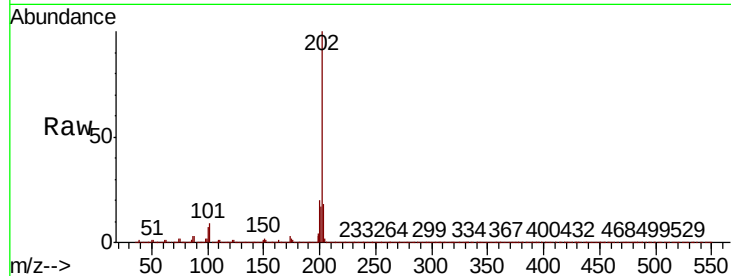


#78
 Pvrene
 Concen: 86.872 ng
 RT: 19.43 min Scan# 2829
 Delta R.T. -0.00 min
 Lab File: BP001664.D
 Acq: 17 Jan 2020 19:01

Instrument :
 BNA_P
 ClientSampleId :

Tot Ion:202 Resp: 1140700

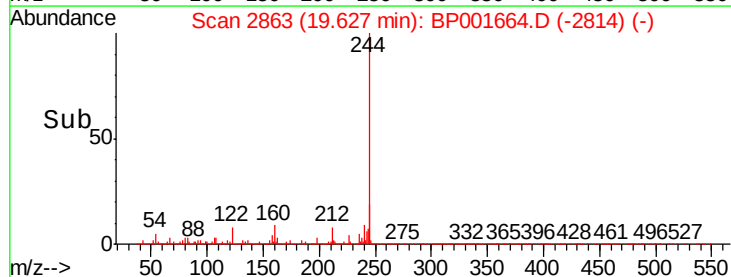
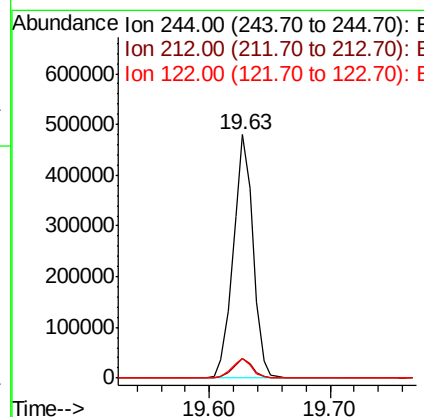
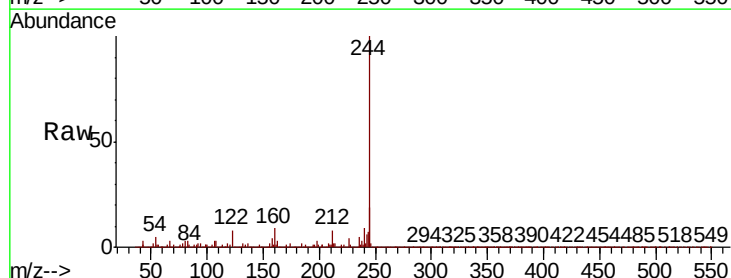
Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.0	25.6
203	17.6	13.7	20.5

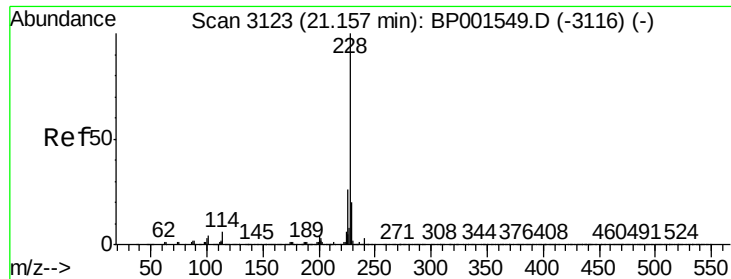


#79
 Terphenyl-d14
 Concen: 55.679 ng
 RT: 19.63 min Scan# 2863
 Delta R.T. -0.01 min
 Lab File: BP001664.D
 Acq: 17 Jan 2020 19:01

Tgt Ion:244 Resp: 544157

Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.3	9.5
122	8.0	5.8	8.6

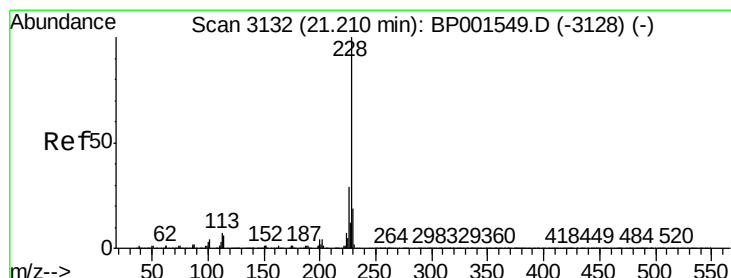
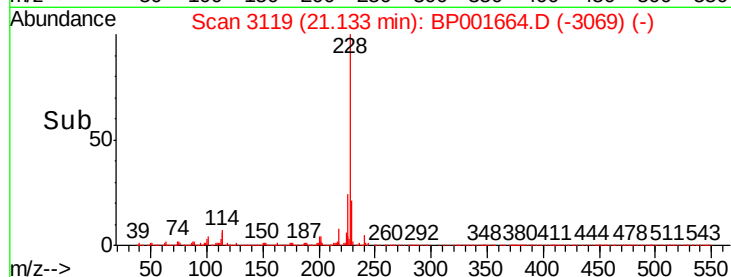
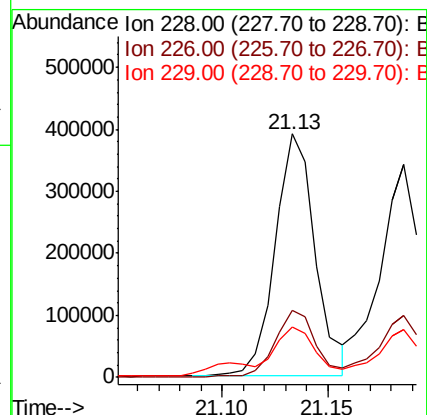
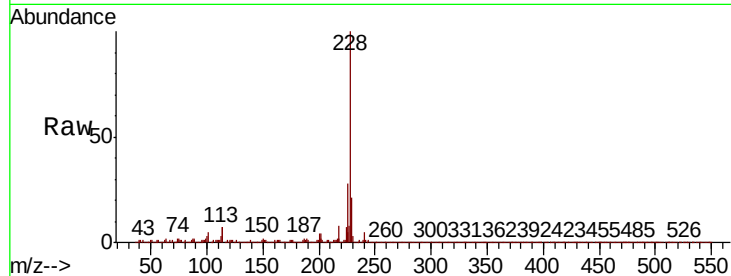




#81
Benzo(a)anthracene
Concen: 41.477 ng
RT: 21.13 min Scan# 3119
Delta R.T. -0.01 min
Lab File: BP001664.D
Acq: 17 Jan 2020 19:01

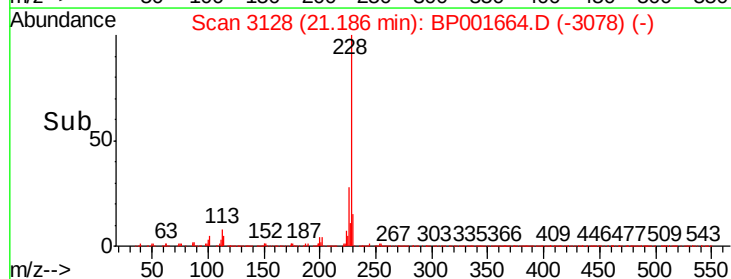
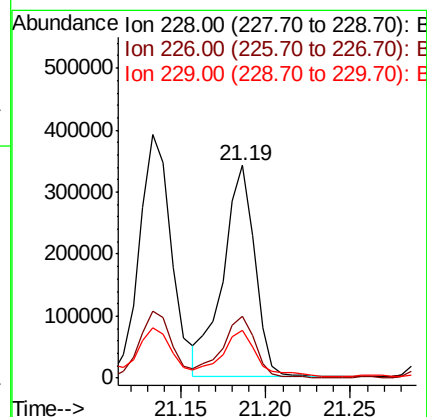
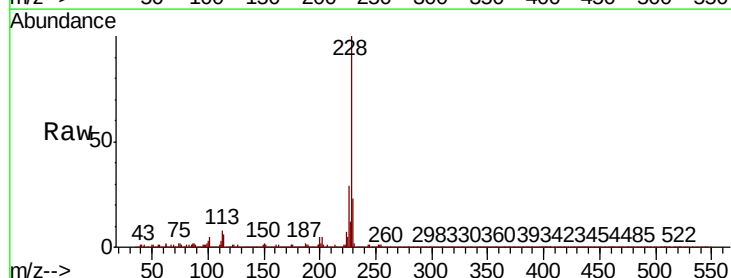
Instrument :
BNA_P
ClientSampled :

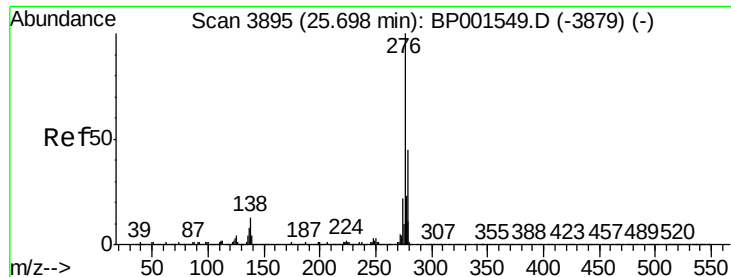
Tot Ion:228 Resp: 516353
Ion Ratio Lower Upper
228 100
226 27.6 21.2 31.8
229 20.8 16.1 24.1



#83
Chrysene
Concen: 36.929 ng
RT: 21.19 min Scan# 3128
Delta R.T. -0.01 min
Lab File: BP001664.D
Acq: 17 Jan 2020 19:01

Tgt Ion:228 Resp: 448028
Ion Ratio Lower Upper
228 100
226 29.0 23.2 34.8
229 22.8 15.2 22.8





#86

Indeno(1,2,3-cd)pyrene

Concen: 19.359 ng

RT: 25.64 min Scan# 3885

Delta R.T. -0.02 min

Lab File: BP001664.D

Acq: 17 Jan 2020 19:01

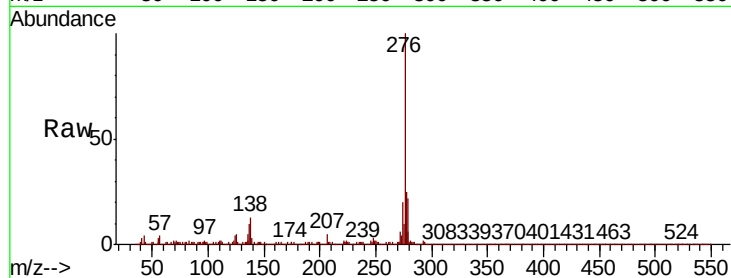
Instrument :

BNA_P

ClientSampleId :

Tot Ion:276 Resp: 274927

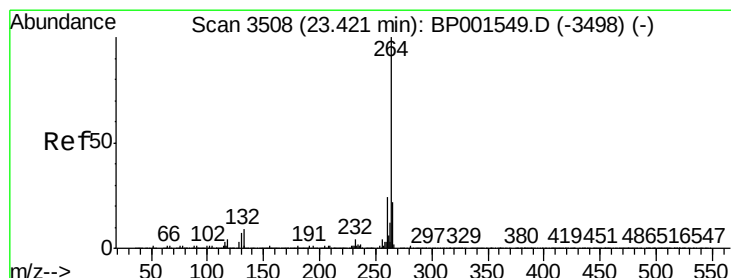
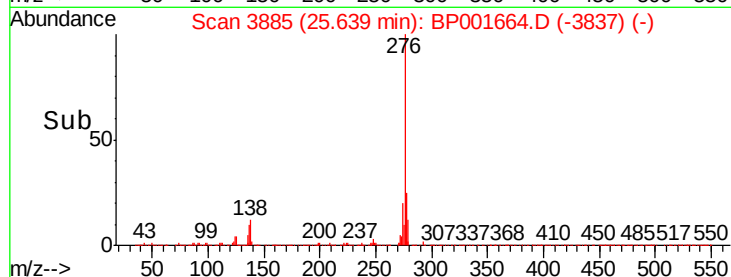
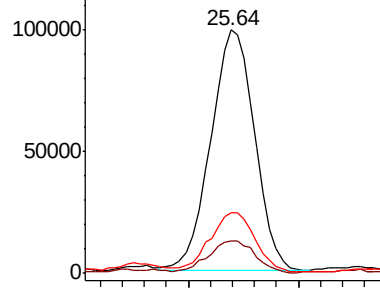
Ion	Ratio	Lower	Upper
276	100		
138	13.9	11.1	16.7
277	25.5	20.4	30.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 23.38 min Scan# 3501

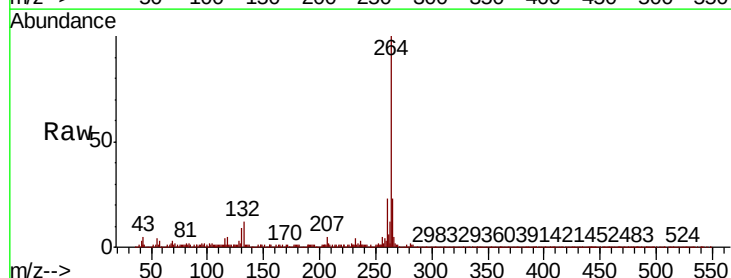
Delta R.T. -0.01 min

Lab File: BP001664.D

Acq: 17 Jan 2020 19:01

Tgt Ion:264 Resp: 199033

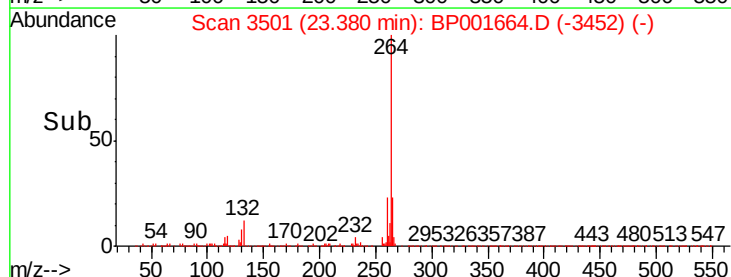
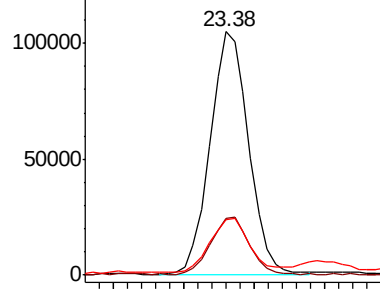
Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.0	28.6
265	23.0	18.2	27.4

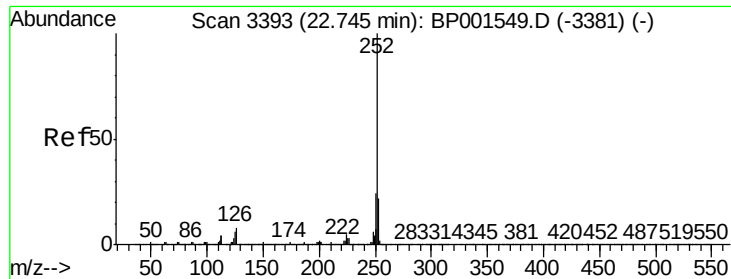


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

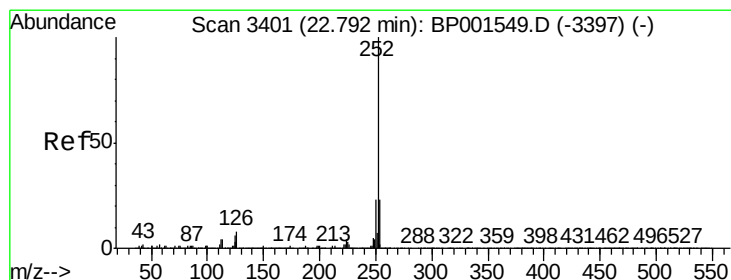
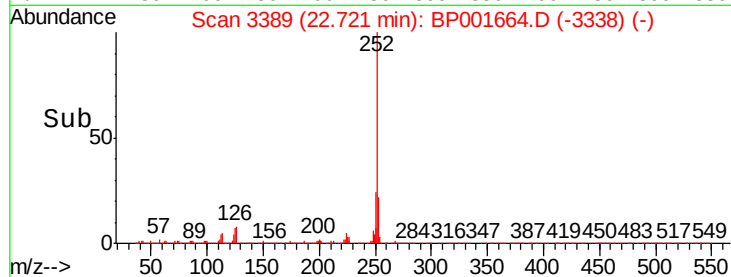
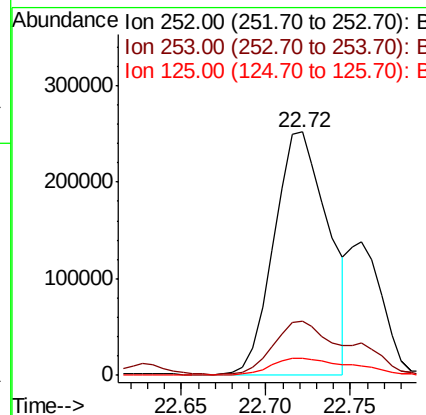
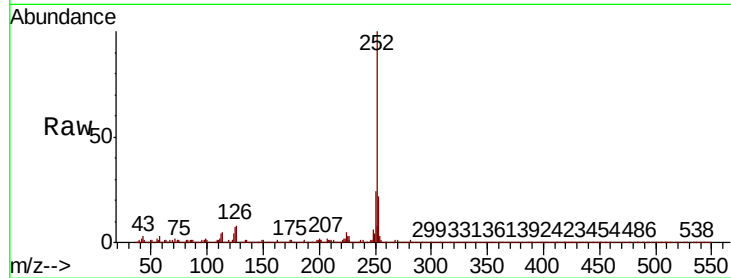




#88
Benzo(b)fluoranthene
Concen: 44.745 ng
RT: 22.72 min Scan# 3389
Delta R.T. -0.00 min
Lab File: BP001664.D
Acq: 17 Jan 2020 19:01

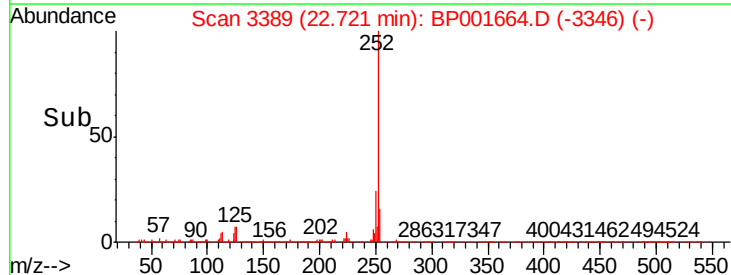
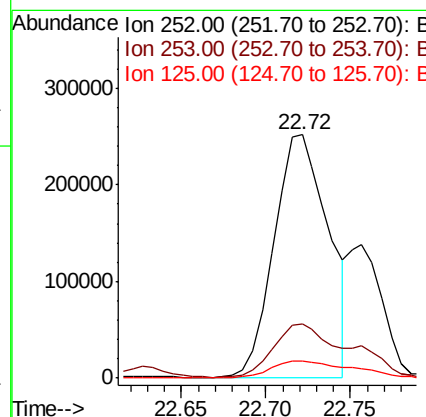
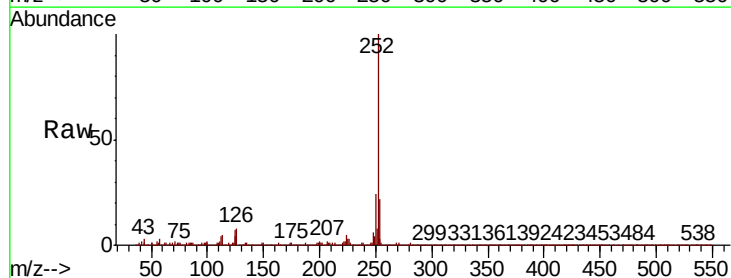
Instrument :
BNA_P
ClientSampleId :

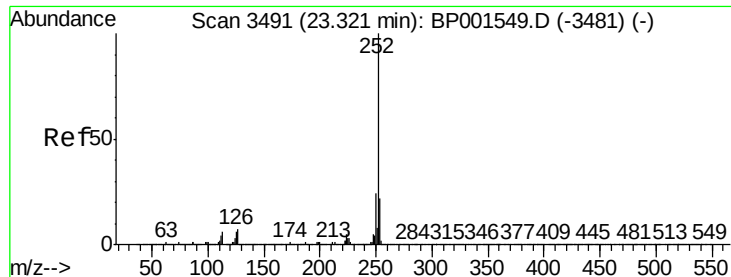
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.6	26.4
125	7.1	4.6	7.0



#89
Benzo(k)fluoranthene
Concen: 45.892 ng
RT: 22.72 min Scan# 3389
Delta R.T. -0.05 min
Lab File: BP001664.D
Acq: 17 Jan 2020 19:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.2	27.2
125	7.1	4.6	6.8





#90

Benzo(a)pyrene

Concen: 38.186 ng

RT: 23.29 min Scan# 3485

Delta R.T. -0.01 min

Lab File: BP001664.D

Acq: 17 Jan 2020 19:01

Instrument :

BNA_P

ClientSampleId :

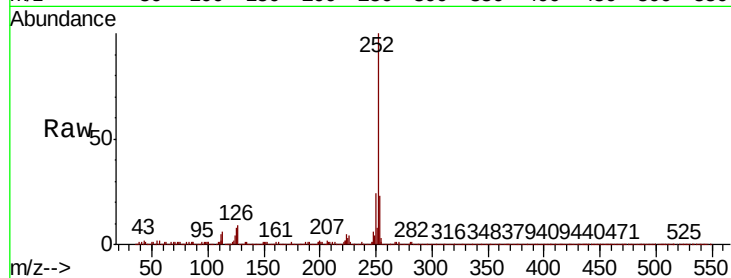
Tot Ion:252 Resp: 454728

Ion Ratio Lower Upper

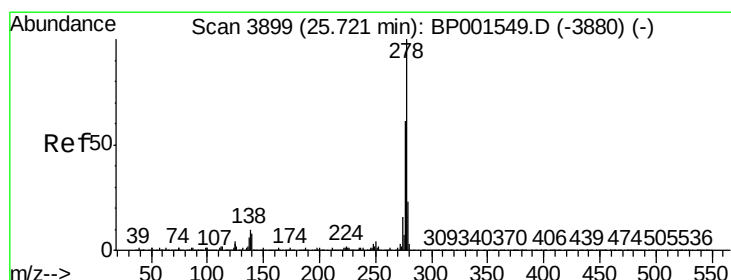
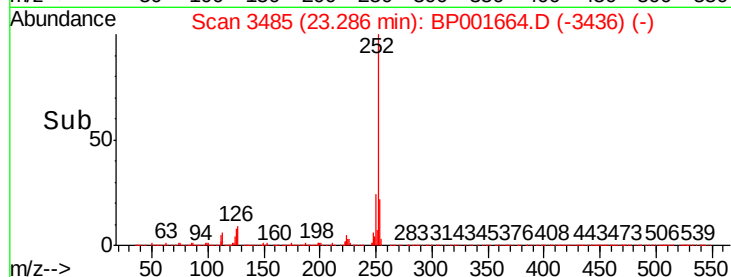
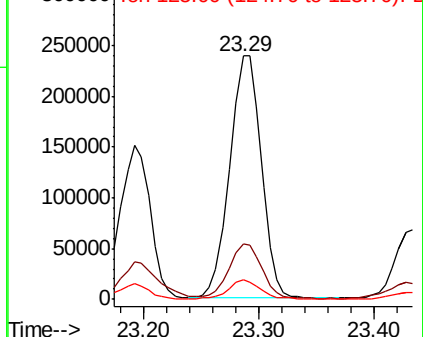
252 100

253 22.8 17.6 26.4

125 7.9 5.0 7.4#



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



#91

Dibenzo(a,h)anthracene

Concen: 4.528 ng

RT: 25.90 min Scan# 3930

Delta R.T. 0.24 min

Lab File: BP001664.D

Acq: 17 Jan 2020 19:01

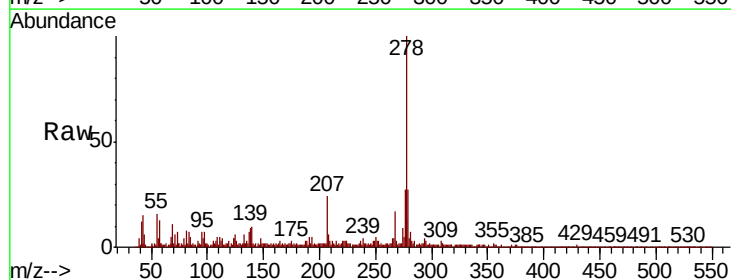
Tgt Ion:278 Resp: 55639

Ion Ratio Lower Upper

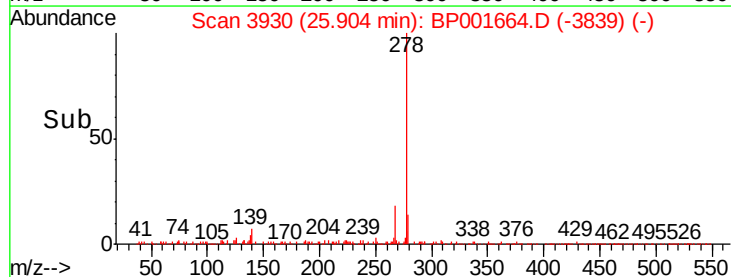
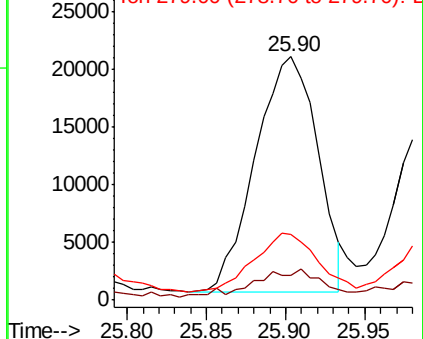
278 100

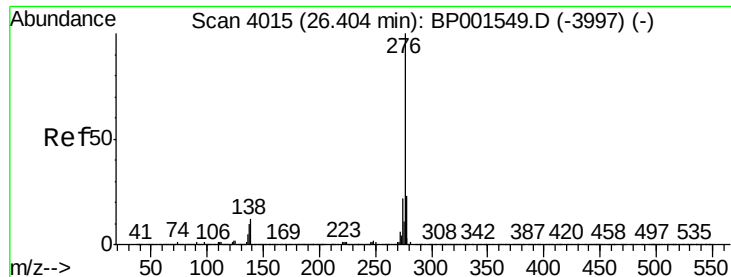
139 9.9 6.7 10.1

279 27.0 18.6 28.0



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(a,h,i)perylene
 Concen: 22.854 ng
 RT: 26.33 min Scan# 4002
 Delta R.T. -0.01 min
 Lab File: BP001664.D
 Acq: 17 Jan 2020 19:01

Instrument :
 BNA_P
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.6	28.0
138	14.0	9.4	14.2

