

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122619\
 Data File : BP001452.D
 Acq On : 27 Dec 2019 08:52
 Operator : JU
 Sample : K6399-01DL 20X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 161-CHURCH-ST-NORTH-HALED0

Manual Integrations
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Quant Time: Dec 27 10:48:28 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP121919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 24 16:04:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.28	152	28948	20.00	ng	0.00
21) Naphthalene-d8	10.32	136	101335	20.00	ng	0.00
39) Acenaphthene-d10	13.18	164	61121	20.00	ng	0.00
64) Phenanthrene-d10	15.58	188	117359	20.00	ng	0.00
76) Chrysene-d12	19.22	240	91252	20.00	ng	0.00
87) Perylene-d12	20.99	264	96165	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.20	112	5601	3.13	ng	0.00
7) Phenol-d6	7.75	99	8401	3.59	ng	0.00
23) Nitrobenzene-d5	9.16	82	6227	2.36	ng	-0.01
42) 2,4,6-Tribromophenol	14.48	330	2444	3.20	ng	0.00
45) 2-Fluorobiphenyl	12.10	172	10707	2.22	ng	0.00
79) Terphenyl-d14	17.86	244	11676	2.19	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	15.62	178	107538	16.061	ng	98
72) Anthracene	15.69	178	17509	2.642	ng	97
73) Carbazole	15.95	167	13273	2.246	ng	98
75) Fluoranthene	17.33	202	226762	30.288	ng	99
78) Pyrene	17.63	202	178684	25.220	ng	99
81) Benzo(a)anthracene	19.21	228	84381	12.690	ng	99
83) Chrysene	19.26	228	101237	15.774	ng	96
86) Indeno(1,2,3-cd)pyrene	22.61	276	62431	9.007	ng	97
88) Benzo(b)fluoranthene	20.51	252	130869m	20.722	ng	
89) Benzo(k)fluoranthene	20.54	252	43245m	7.188	ng	
90) Benzo(a)pyrene	20.92	252	78939	13.721	ng	98
91) Dibenzo(a,h)anthracene	22.62	278	15520	2.759	ng	99
92) Benzo(a,h,i)perylene	23.09	276	58529	10.889	ng	99

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

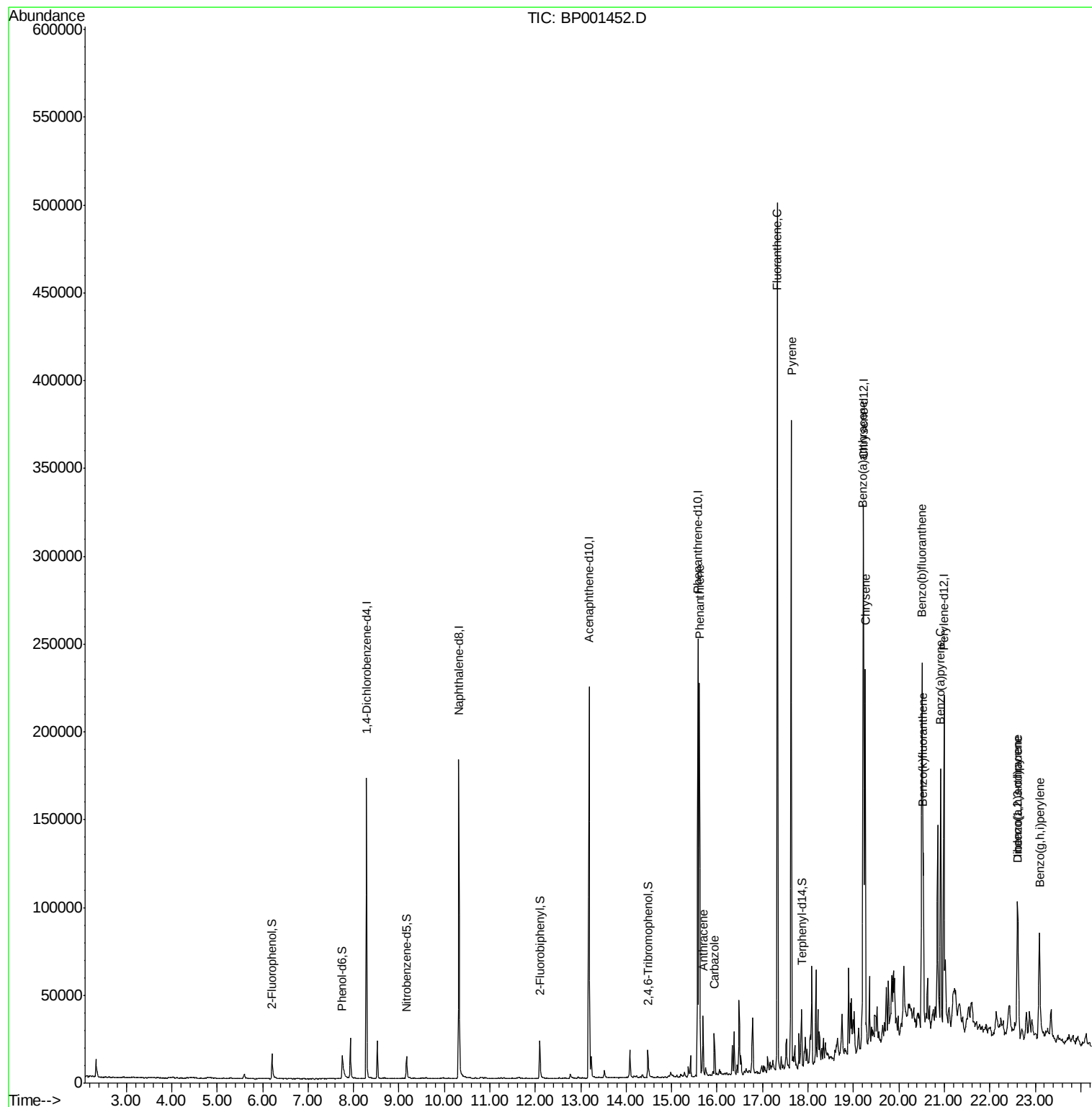
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122619\
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ALS Vial : 38 Sample Multiplier: 1

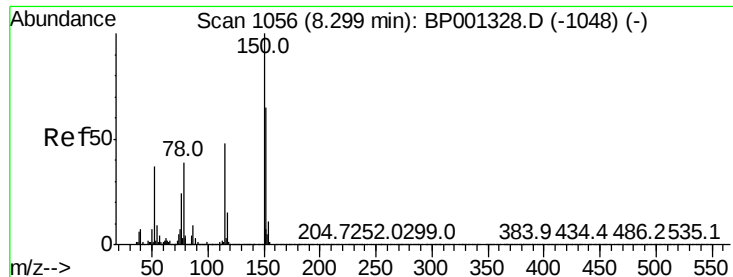
Instrument :
BNA_P
ClientSampleId :
161-CHURCH-ST-NORTH-HALED0

Quant Time: Dec 27 10:48:28 2019
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.28 min Scan# 1053

Delta R.T. -0.01 min

Lab File: BP001452.D

Acq: 27 Dec 2019 08:52

Instrument :

BNA_P

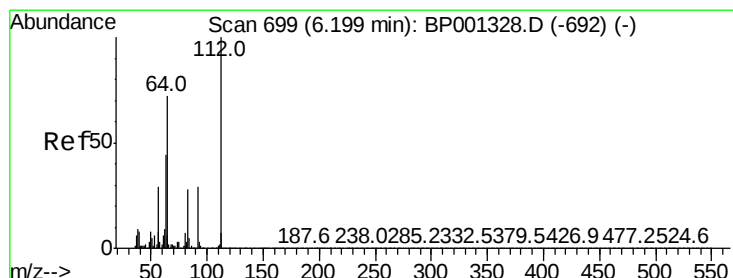
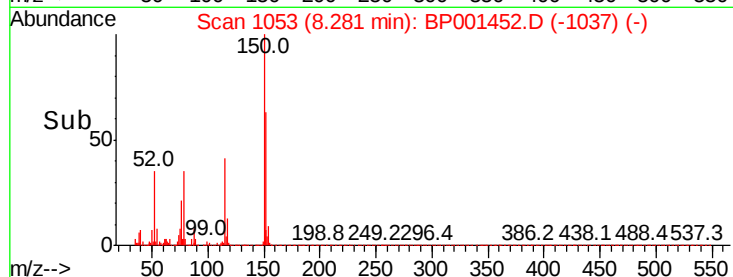
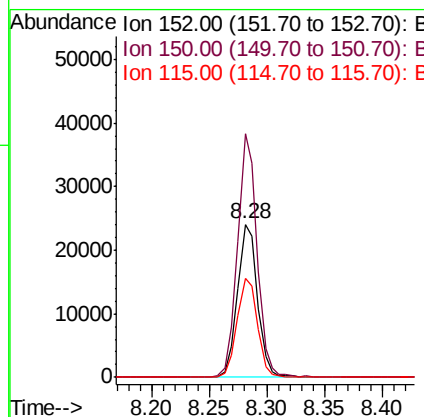
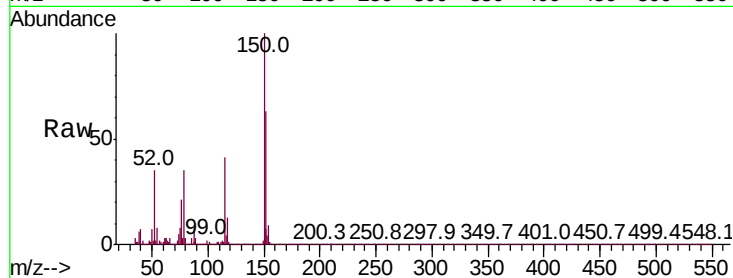
ClientSampleId :

161-CHURCH-ST-NORTH-HALEDO

Tot Ion:	152	Resp:	28948
Ion Ratio	Lower	Upper	
152	100		
150	159.3	127.0	190.6
115	65.0	56.1	84.1

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#5

2-Fluorophenol

Concen: 3.127 ng

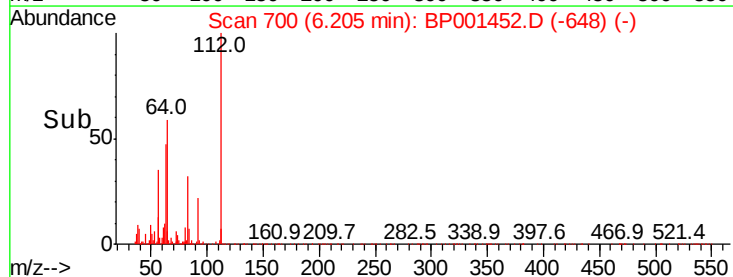
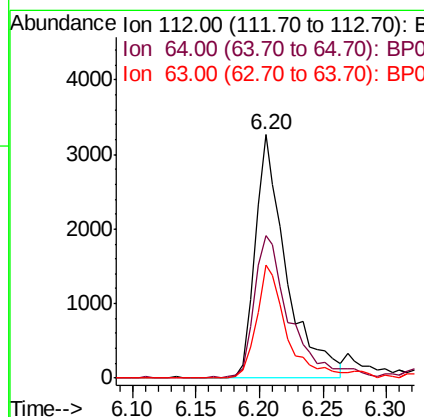
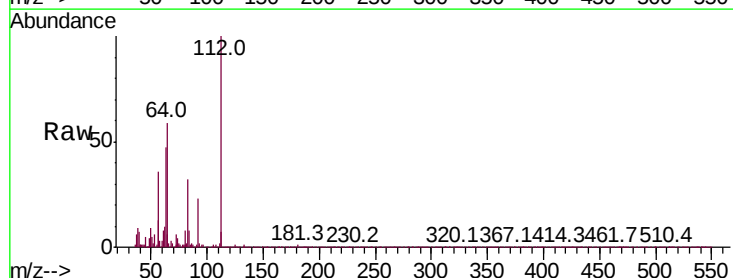
RT: 6.20 min Scan# 700

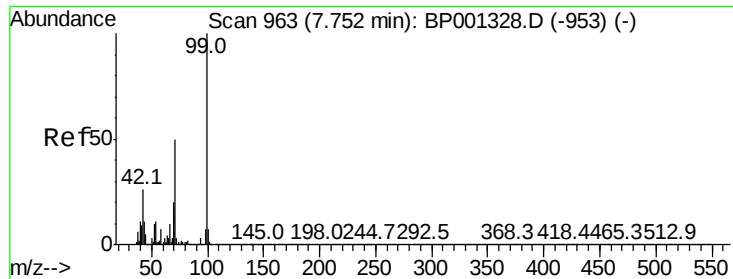
Delta R.T. 0.01 min

Lab File: BP001452.D

Acq: 27 Dec 2019 08:52

Tgt Ion:	112	Resp:	5601
Ion Ratio	Lower	Upper	
112	100		
64	58.8	53.9	80.9
63	46.6	33.4	50.0





#7

Phenol-d6

Concen: 3.594 ng

RT: 7.75 min Scan# 963

Delta R.T. -0.00 min

Lab File: BP001452.D

Acq: 27 Dec 2019 08:52

Instrument :

BNA_P

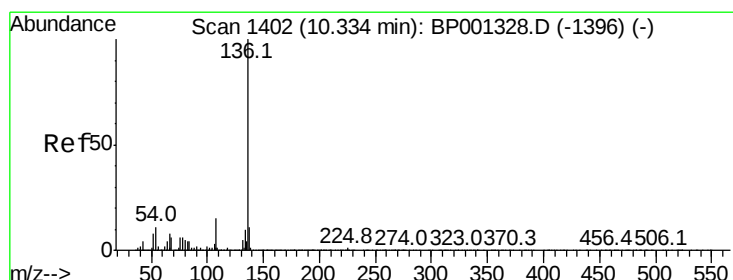
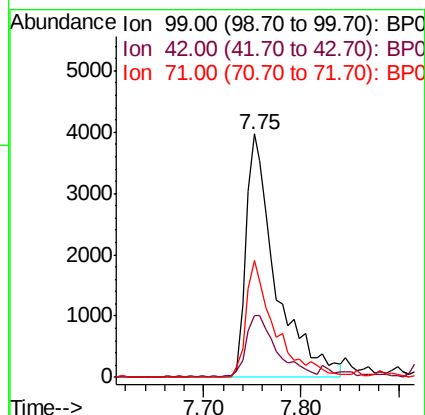
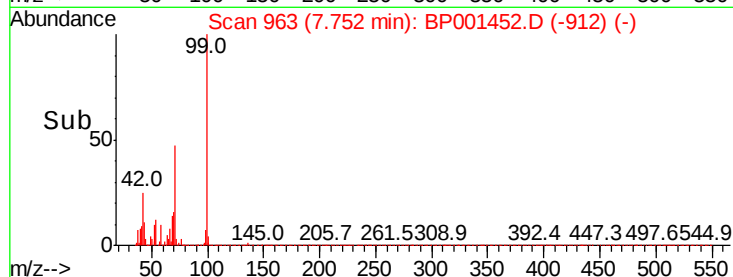
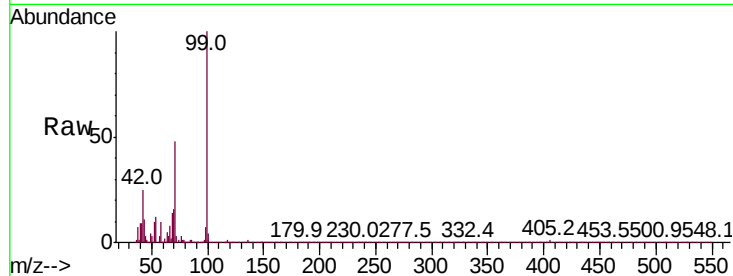
ClientSampleId :

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Tot Ion:	99	Resp:	8401
Ion Ratio	Lower	Upper	
99	100		
42	25.3	20.8	31.2
71	47.8	38.2	57.4

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#21

Naphthalene-d8

Concen: 20.000 ng

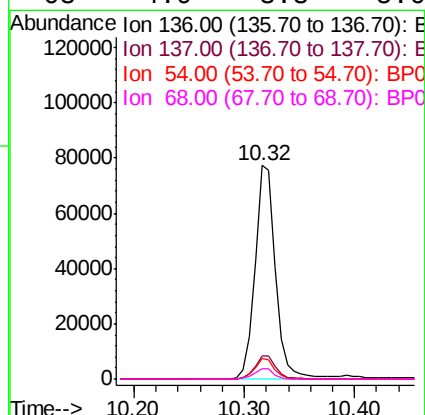
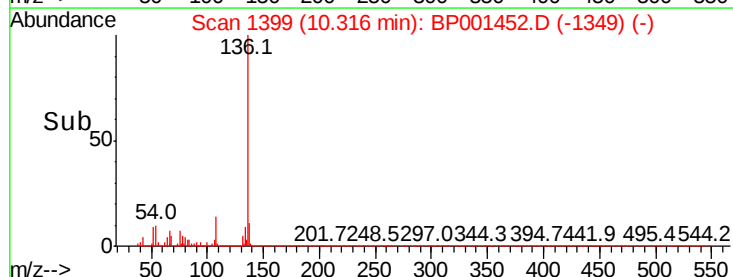
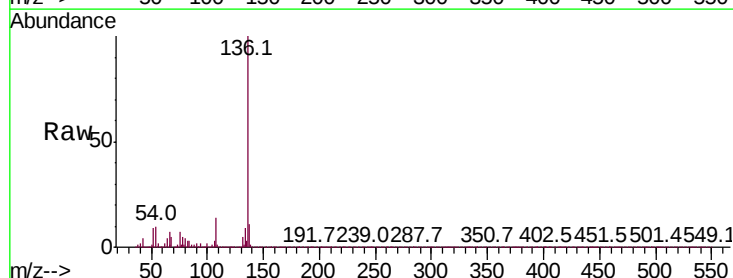
RT: 10.32 min Scan# 1399

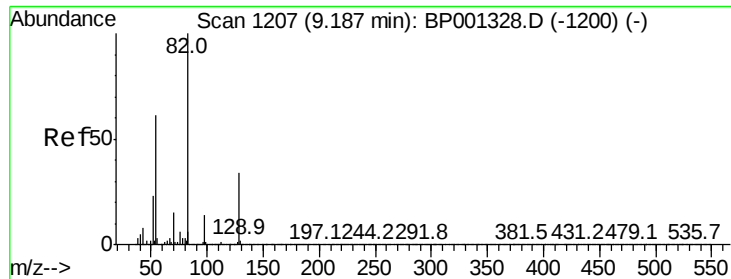
Delta R.T. -0.01 min

Lab File: BP001452.D

Acq: 27 Dec 2019 08:52

Tgt Ion:	136	Resp:	101335
Ion Ratio	Lower	Upper	
136	100		
137	10.9	9.0	13.4
54	9.6	7.3	10.9
68	4.9	3.8	5.6





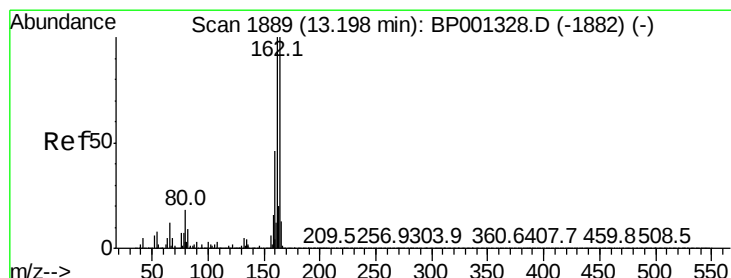
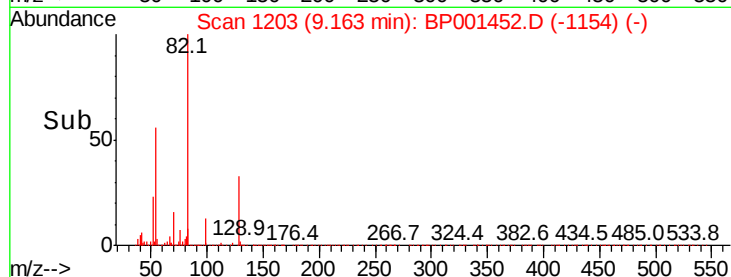
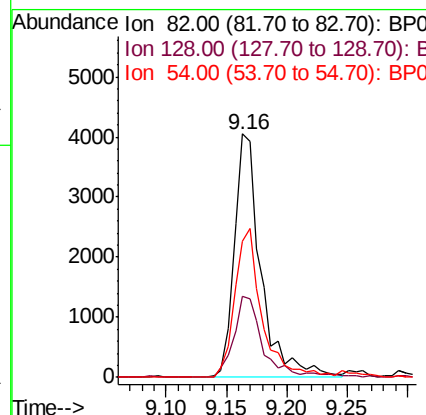
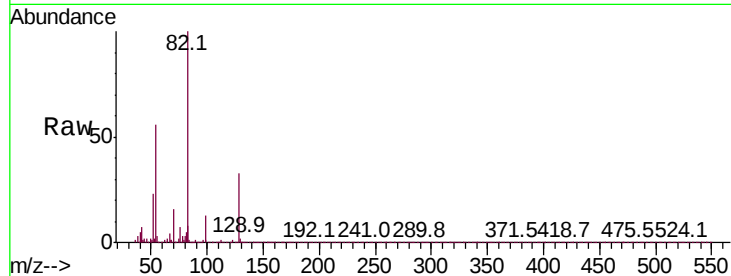
#23
Nitrobenzene-d5
Concen: 2.360 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BP001452.D
Acq: 27 Dec 2019 08:52

Instrument :
BNA_P
ClientSampleId :
161-CHURCH-ST-NORTH-HALED0

Tot Ion	Ratio	Lower	Upper
82	100		
128	33.2	27.4	41.0
54	56.1	47.5	71.3

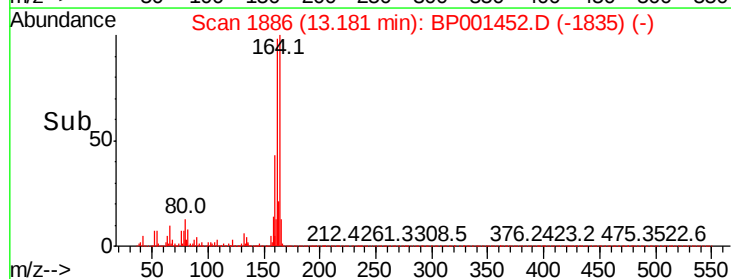
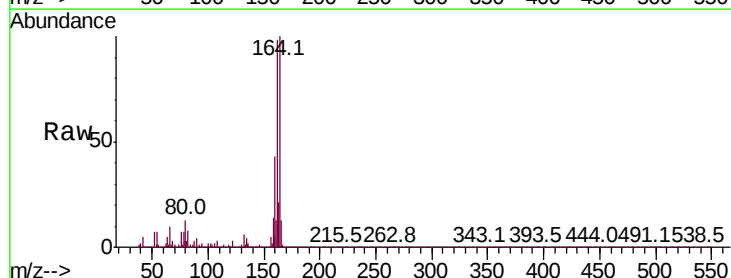
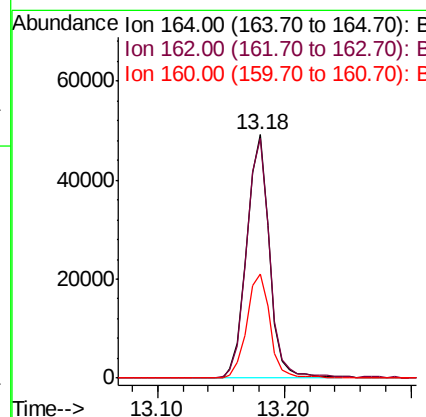
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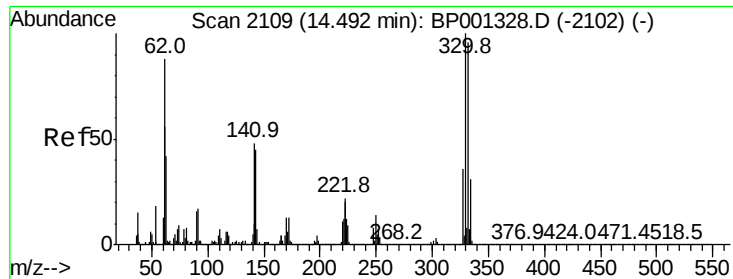
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 13.18 min Scan# 1886
Delta R.T. -0.00 min
Lab File: BP001452.D
Acq: 27 Dec 2019 08:52

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.4	78.2	117.4
160	42.7	35.1	52.7





#42

2,4,6-Tribromophenol

Concen: 3.198 ng

RT: 14.48 min Scan# 2107

Delta R.T. -0.00 min

Lab File: BP001452.D

Acq: 27 Dec 2019 08:52

Instrument :

BNA_P

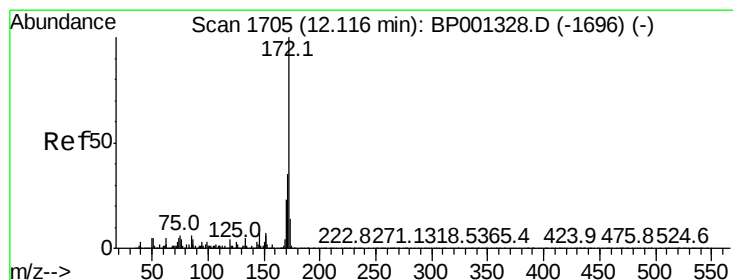
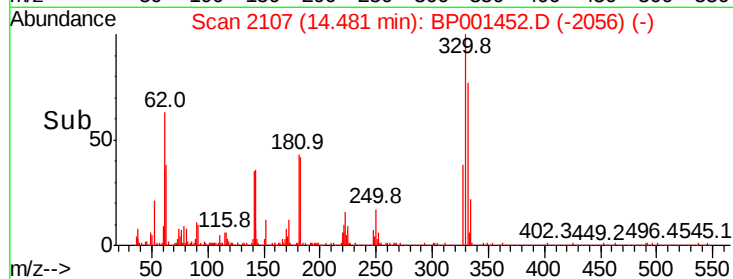
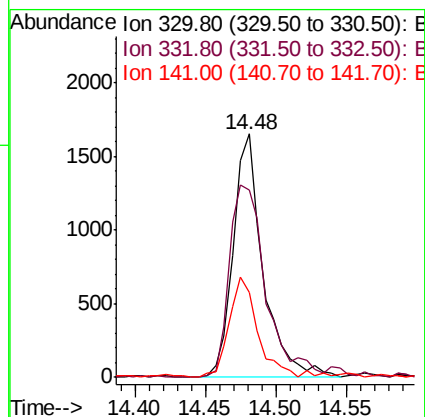
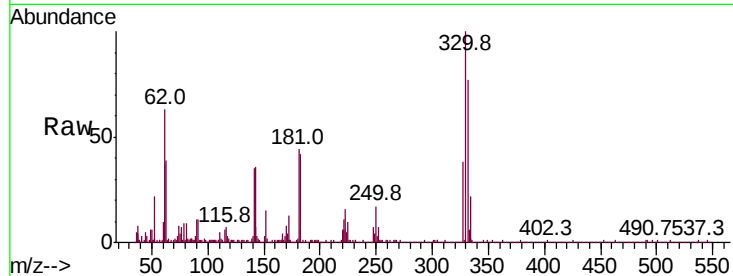
ClientSampleId :

161-CHURCH-ST-NORTH-HALEDO

Tot Ion:	330	Resp:	2444
Ion	Ratio	Lower	Upper
330	100		
332	96.2	78.3	117.5
141	38.9	26.8	40.2

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#45

2-Fluorobiphenyl

Concen: 2.215 ng

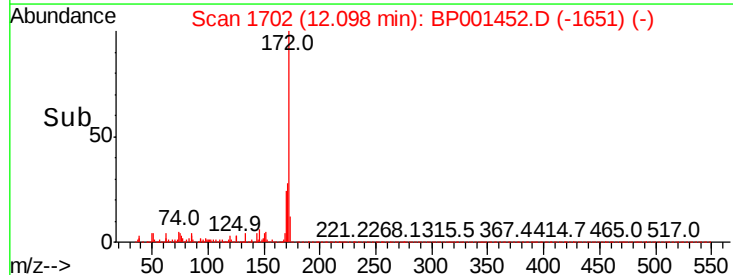
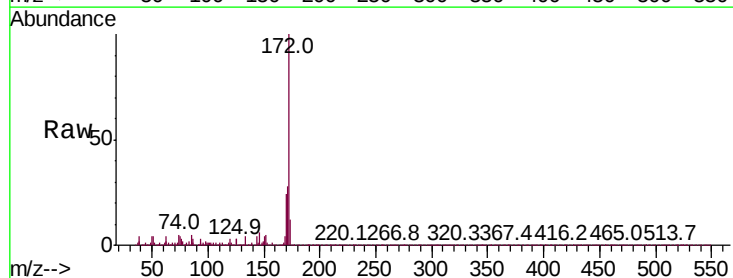
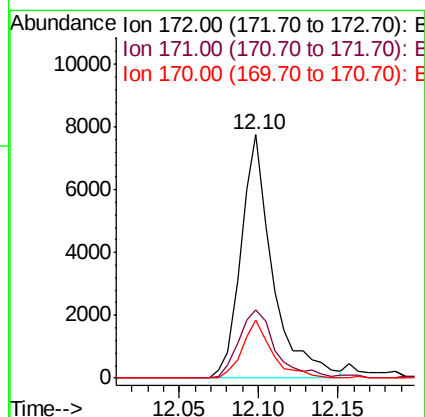
RT: 12.10 min Scan# 1702

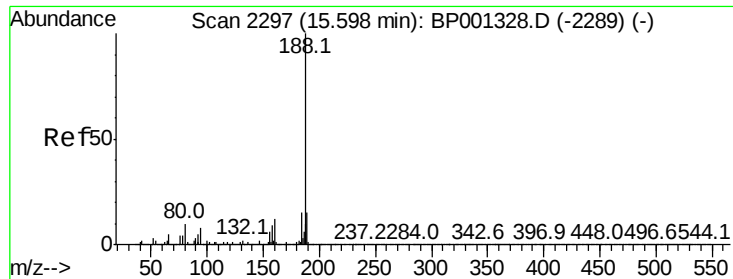
Delta R.T. -0.00 min

Lab File: BP001452.D

Acq: 27 Dec 2019 08:52

Tgt Ion:	172	Resp:	10707
Ion	Ratio	Lower	Upper
172	100		
171	27.8	27.4	41.0
170	23.6	18.2	27.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 15.58 min Scan# 2294

Delta R.T. -0.00 min

Lab File: BP001452.D

Acq: 27 Dec 2019 08:52

Instrument :

BNA_P

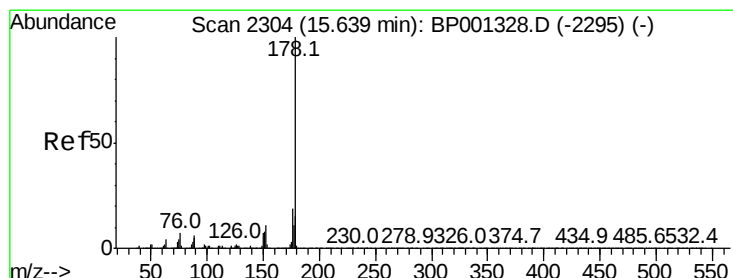
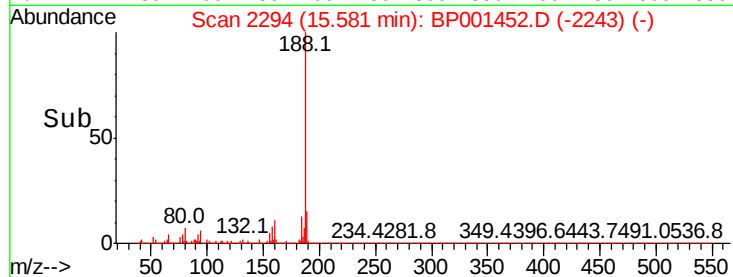
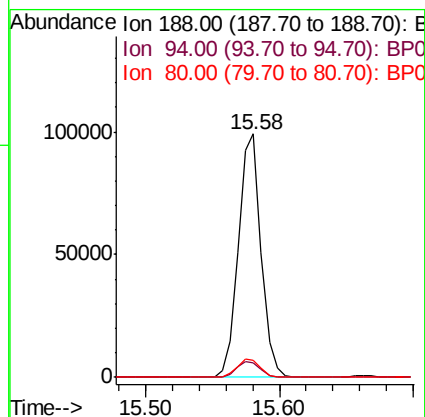
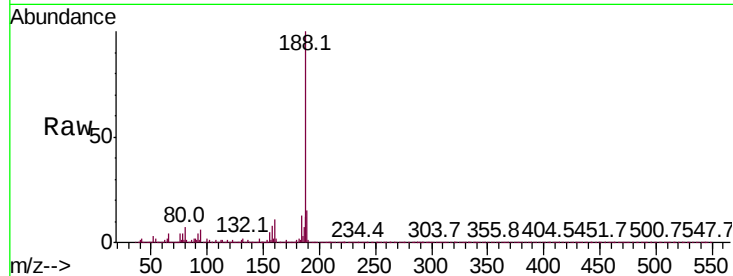
ClientSampleId :

161-CHURCH-ST-NORTH-HALEDO

Tot Ion:	188	Resp:	117359
Ion Ratio	Lower	Upper	
188	100		
94	6.1	5.8	8.8
80	7.1	5.7	8.5

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#71

Phenanthrene

Concen: 16.061 ng

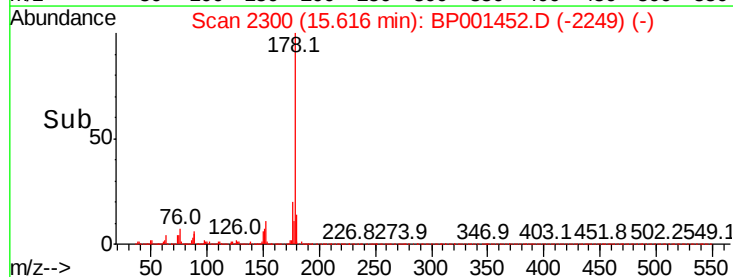
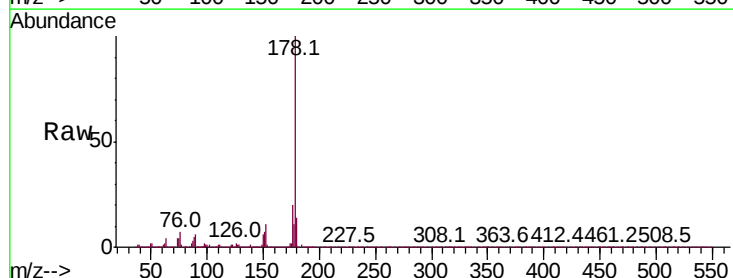
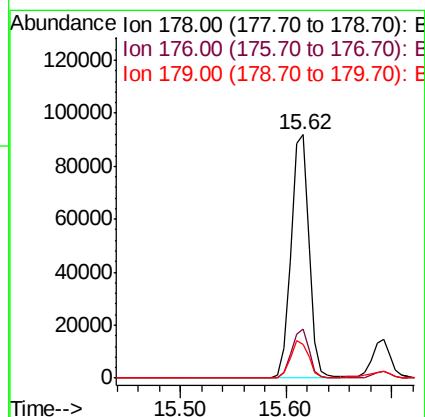
RT: 15.62 min Scan# 2300

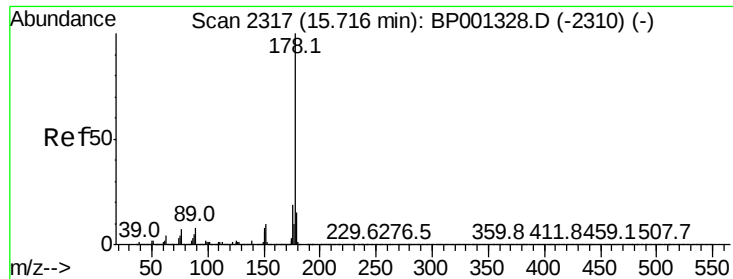
Delta R.T. -0.00 min

Lab File: BP001452.D

Acq: 27 Dec 2019 08:52

Tgt Ion:	178	Resp:	107538
Ion Ratio	Lower	Upper	
178	100		
176	20.2	15.4	23.0
179	14.1	12.2	18.2





#72

Anthracene

Concen: 2.642 ng

RT: 15.69 min Scan# 2313

Delta R.T. -0.01 min

Lab File: BP001452.D

Acq: 27 Dec 2019 08:52

Instrument :

BNA_P

ClientSampleId :

161-CHURCH-ST-NORTH-HALEDO

Tot Ion:178 Resp: 17509

Ion Ratio Lower Upper

178 100

176 17.8 14.5 21.7

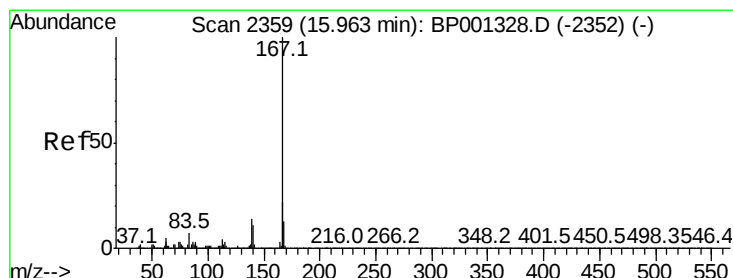
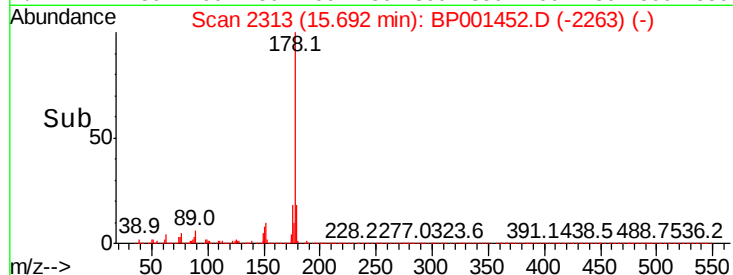
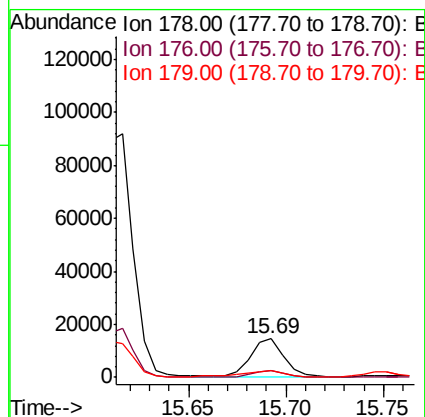
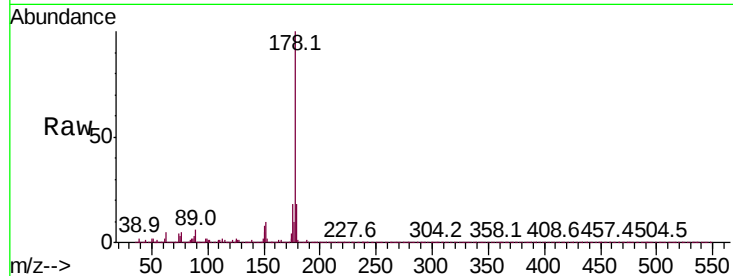
179 17.6 11.8 17.8

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#73

Carbazole

Concen: 2.246 ng

RT: 15.95 min Scan# 2356

Delta R.T. -0.00 min

Lab File: BP001452.D

Acq: 27 Dec 2019 08:52

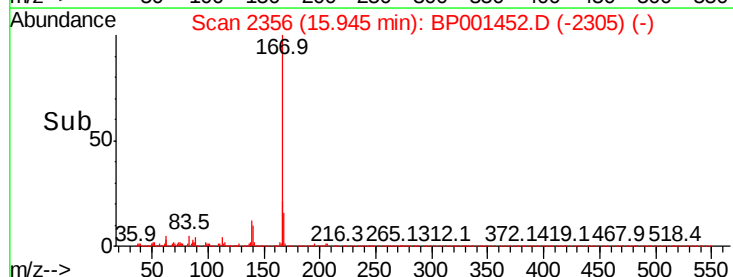
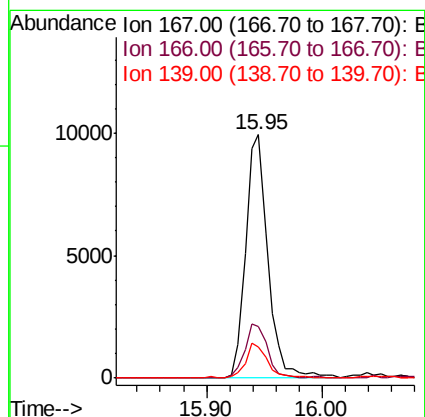
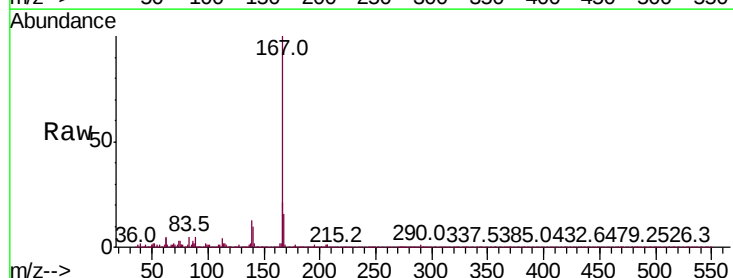
Tgt Ion:167 Resp: 13273

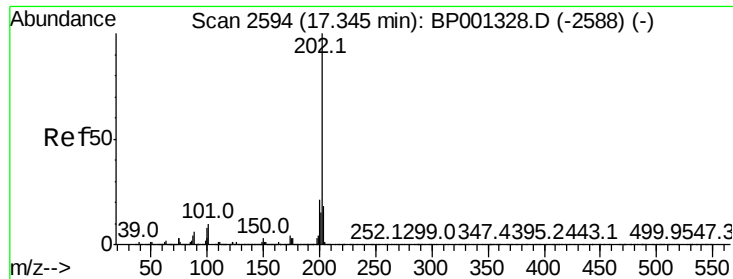
Ion Ratio Lower Upper

167 100

166 21.0 17.4 26.2

139 12.5 10.9 16.3





#75

Fluoranthene

Concen: 30.288 ng

RT: 17.33 min Scan# 2591

Delta R.T. -0.00 min

Lab File: BP001452.D

Acq: 27 Dec 2019 08:52

Instrument :

BNA_P

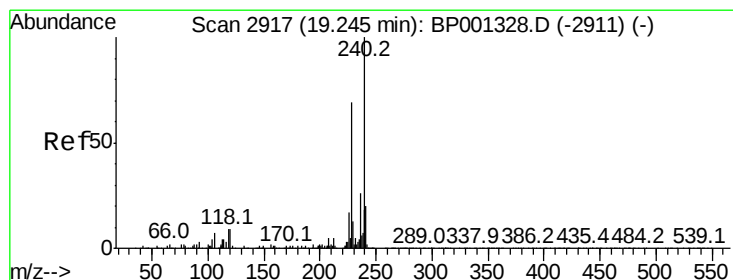
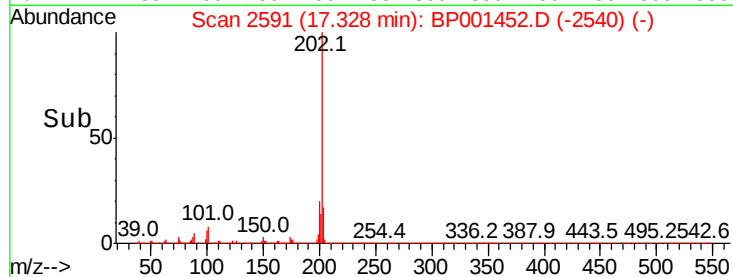
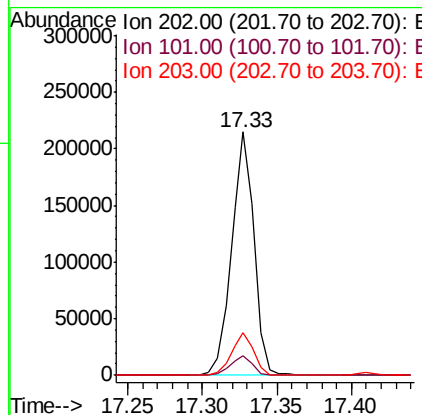
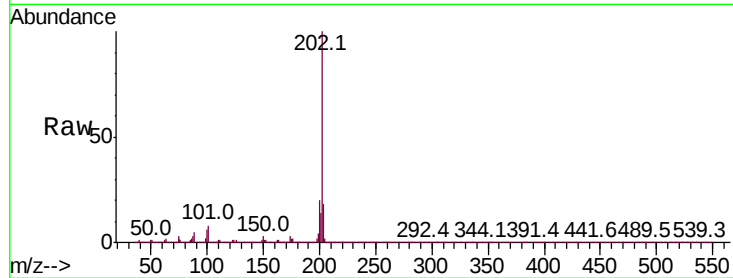
ClientSampleId :

161-CHURCH-ST-NORTH-HALED0

Tot Ion:	202	Resp:	226762
Ion Ratio	Lower	Upper	
202	100		
101	7.8	0.0	28.7
203	17.5	0.0	37.4

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#76

Chrysene-d12

Concen: 20.000 ng

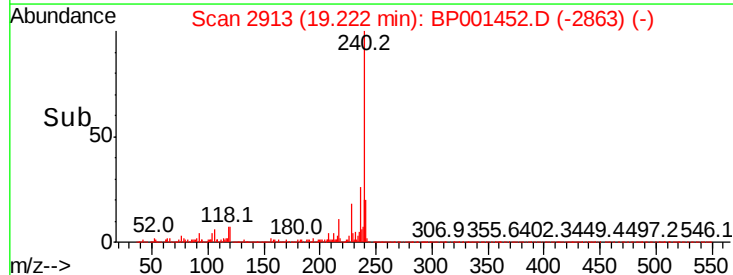
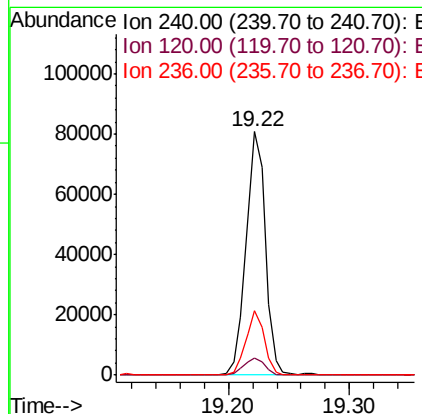
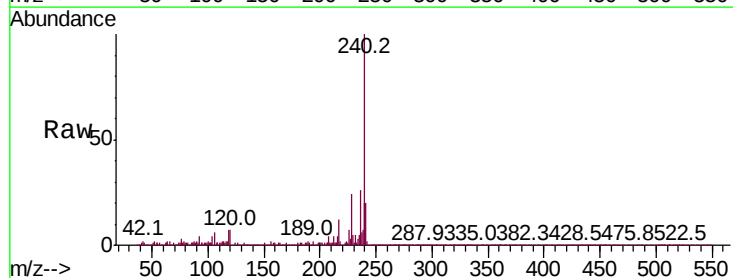
RT: 19.22 min Scan# 2913

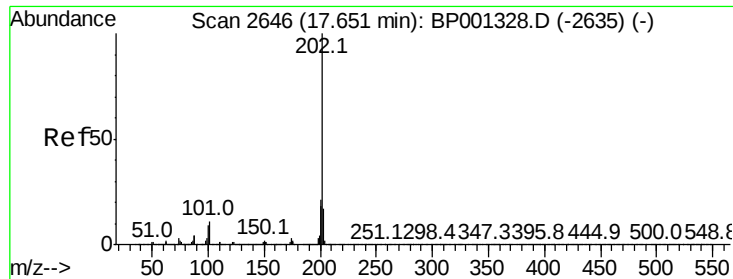
Delta R.T. -0.01 min

Lab File: BP001452.D

Acq: 27 Dec 2019 08:52

Tgt Ion:	240	Resp:	91252
Ion Ratio	Lower	Upper	
240	100		
120	7.3	6.2	9.2
236	26.5	20.2	30.2





#78

Pvrene

Concen: 25.220 ng

RT: 17.63 min Scan# 2643

Delta R.T. -0.00 min

Lab File: BP001452.D

Acq: 27 Dec 2019 08:52

Instrument :

BNA_P

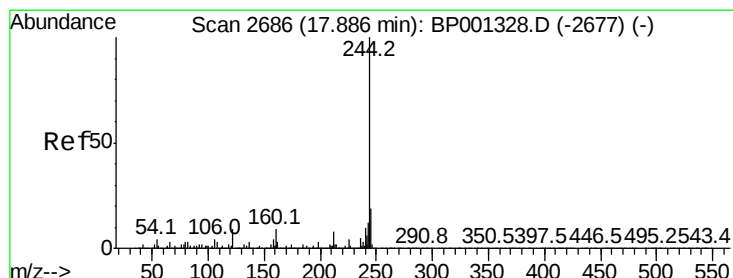
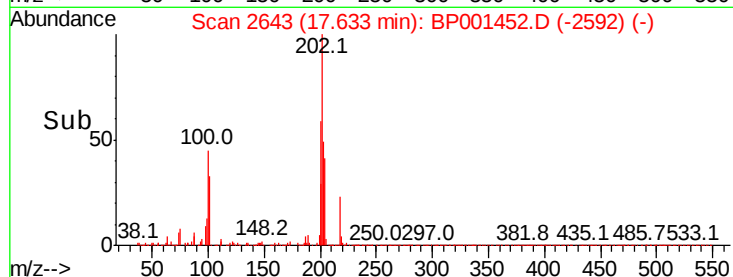
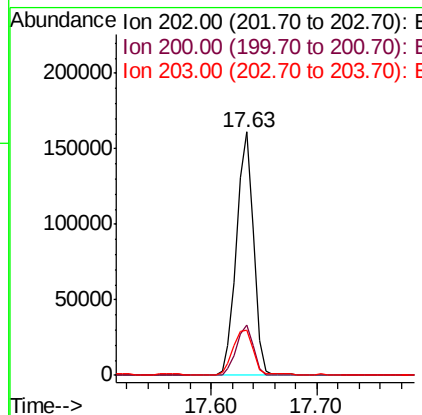
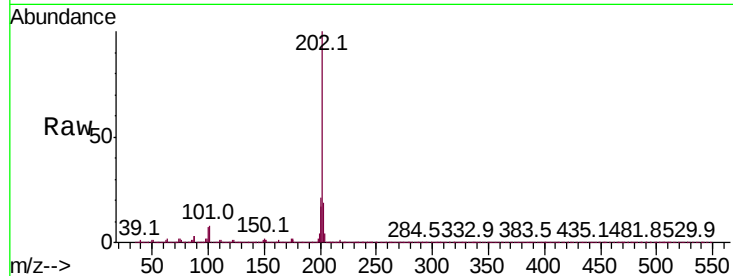
ClientSampleId :

161-CHURCH-ST-NORTH-HALEDO

Tot Ion:	202	Resp:	178684
Ion Ratio	Lower	Upper	
202	100		
200	20.8	16.6	25.0
203	18.6	14.3	21.5

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#79

Terphenyl-d14

Concen: 2.192 ng

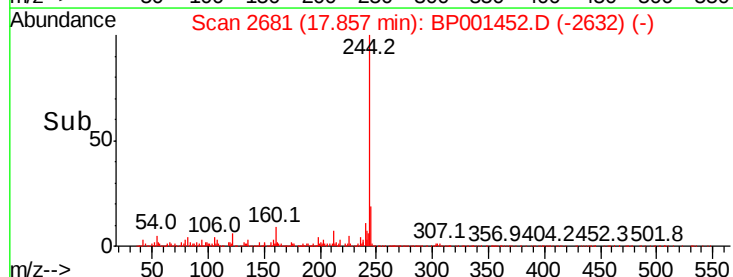
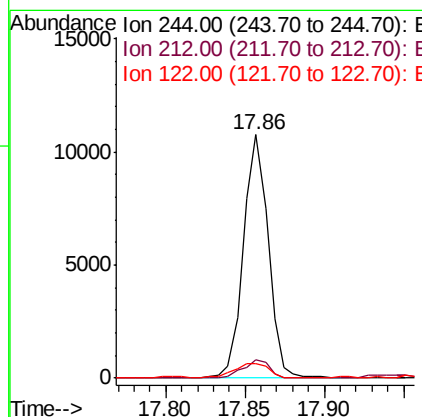
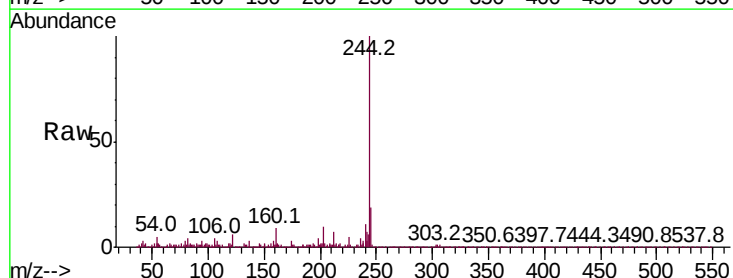
RT: 17.86 min Scan# 2681

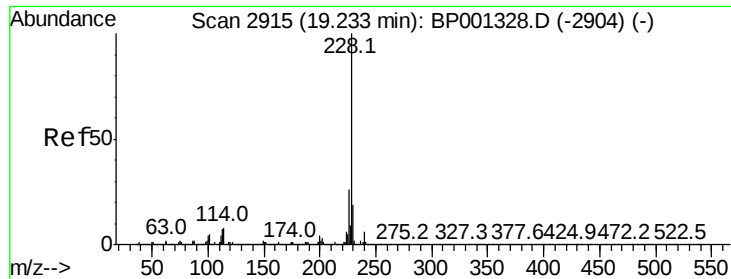
Delta R.T. -0.01 min

Lab File: BP001452.D

Acq: 27 Dec 2019 08:52

Tgt Ion:	244	Resp:	11676
Ion Ratio	Lower	Upper	
244	100		
212	7.5	5.8	8.8
122	6.1	6.4	9.6#





#81

Benzo(a)anthracene

Concen: 12.690 ng

RT: 19.21 min Scan# 2911

Delta R.T. -0.01 min

Lab File: BP001452.D

Acq: 27 Dec 2019 08:52

Instrument :

BNA_P

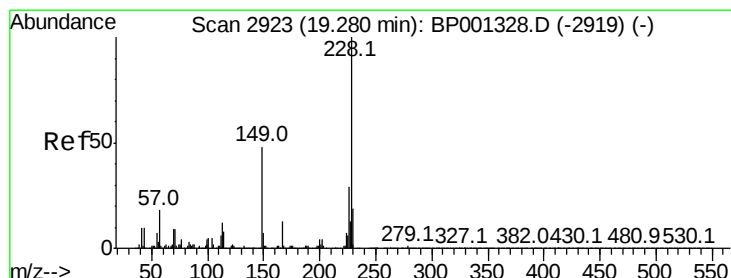
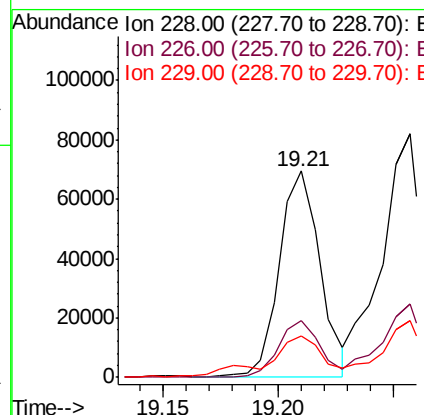
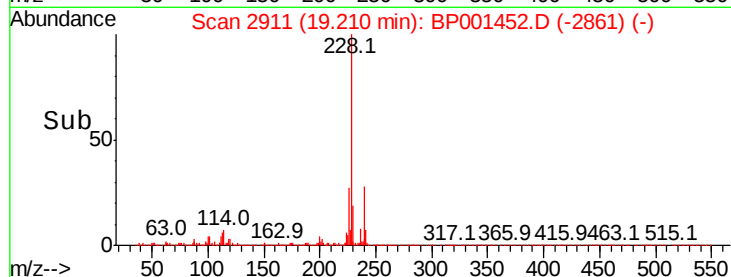
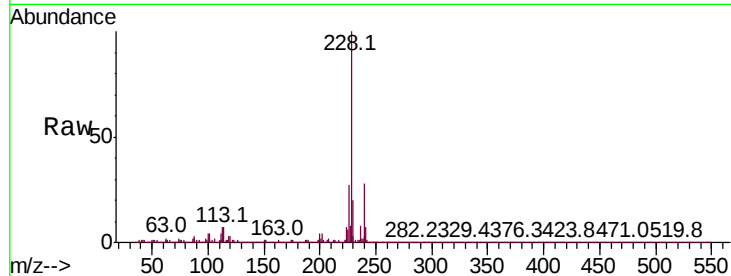
ClientSampleId :

161-CHURCH-ST-NORTH-HALEDO

Tot Ion:	228	Resp:	84381
Ion Ratio	Lower	Upper	
228	100		
226	27.4	21.4	32.2
229	19.8	15.7	23.5

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#83

Chrysene

Concen: 15.774 ng

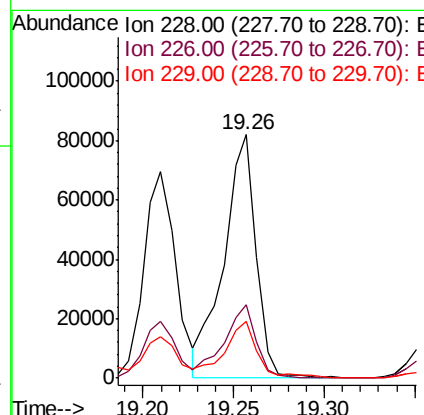
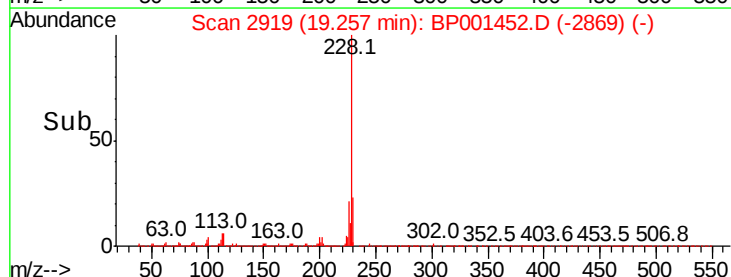
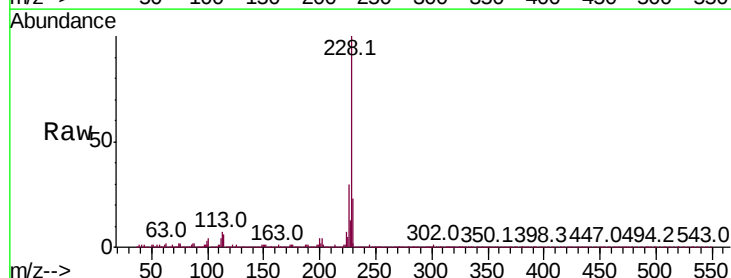
RT: 19.26 min Scan# 2919

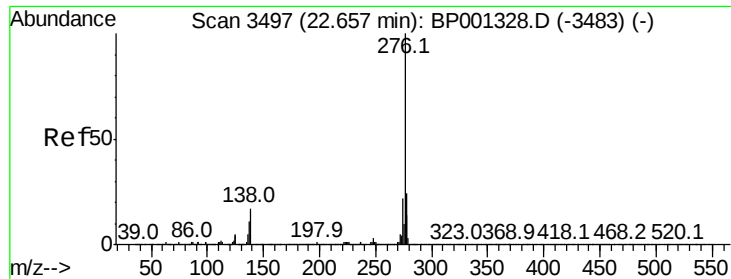
Delta R.T. -0.01 min

Lab File: BP001452.D

Acq: 27 Dec 2019 08:52

Tgt Ion:	228	Resp:	101237
Ion Ratio	Lower	Upper	
228	100		
226	30.2	23.4	35.2
229	23.2	15.5	23.3





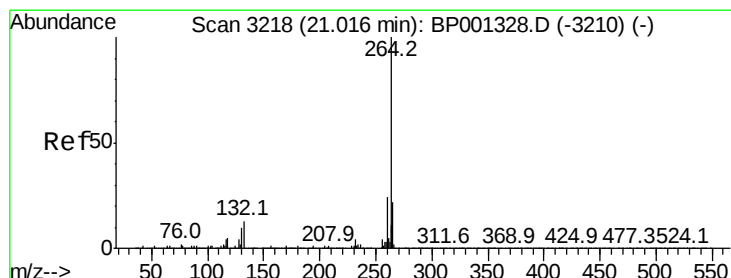
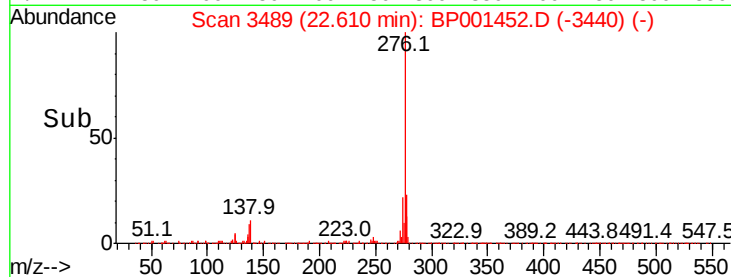
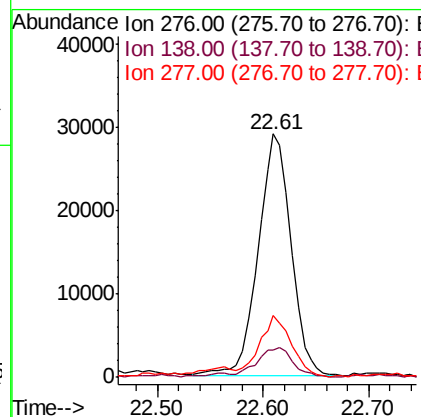
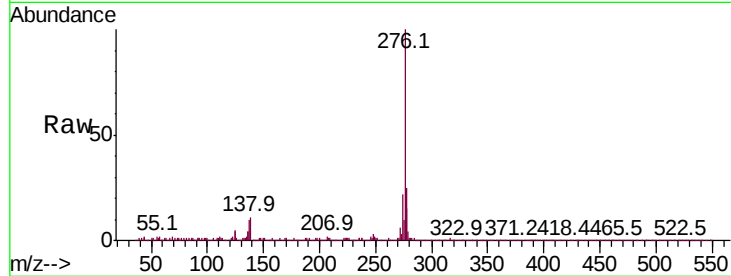
#86
Indeno(1,2,3-cd)pyrene
Concen: 9.007 ng
RT: 22.61 min Scan# 3489
Delta R.T. -0.01 min
Lab File: BP001452.D
Acq: 27 Dec 2019 08:52

Instrument :
BNA_P
ClientSampleId :
161-CHURCH-ST-NORTH-HALEDO

Tot Ion:	276	Resp:	62431
Ion Ratio	Lower	Upper	
276	100		
138	13.2	12.8	19.2
277	24.2	19.9	29.9

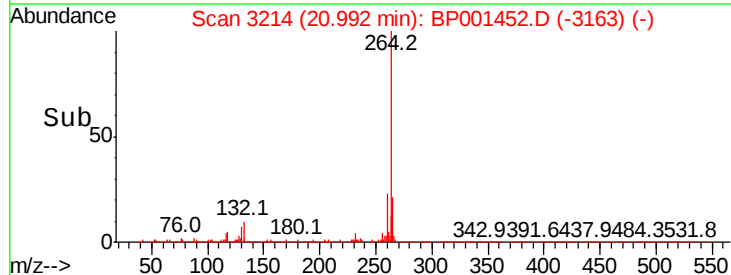
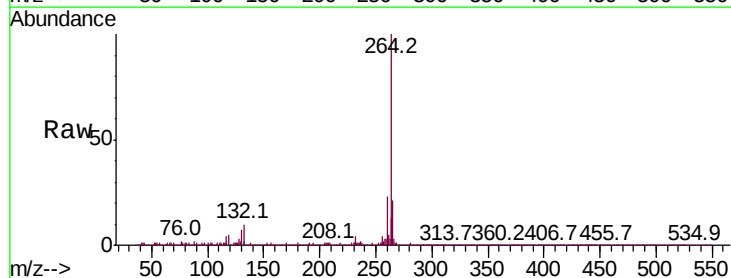
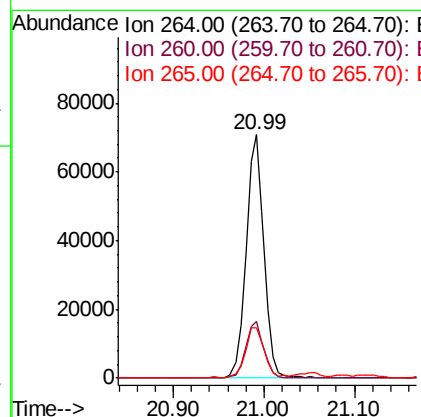
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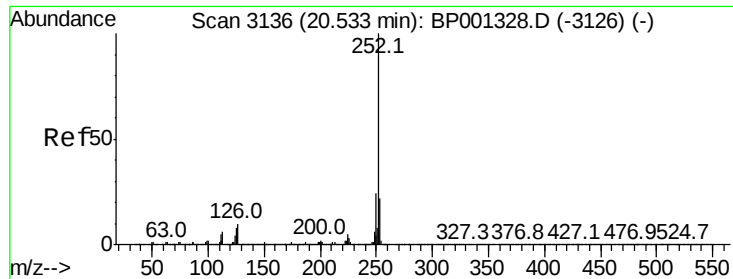
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#87
Perylene-d12
Concen: 20.000 ng
RT: 20.99 min Scan# 3214
Delta R.T. -0.00 min
Lab File: BP001452.D
Acq: 27 Dec 2019 08:52

Tgt Ion:	264	Resp:	96165
Ion Ratio	Lower	Upper	
264	100		
260	23.4	19.0	28.4
265	20.8	17.0	25.4





#88

Benzo(b)fluoranthene

Concen: 20.722 ng m

RT: 20.51 min Scan# 3132

Delta R.T. -0.00 min

Lab File: BP001452.D

Acq: 27 Dec 2019 08:52

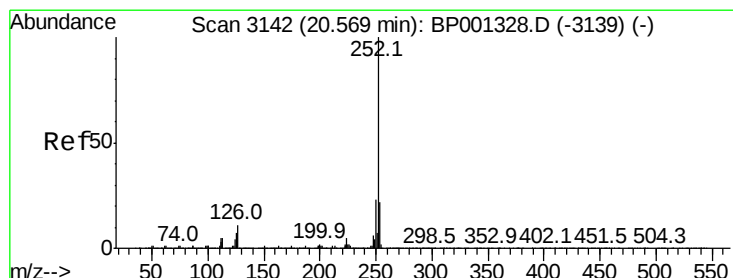
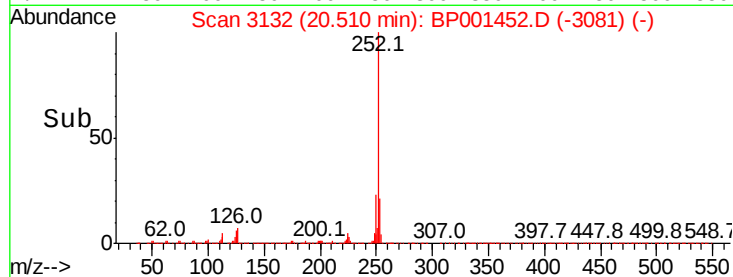
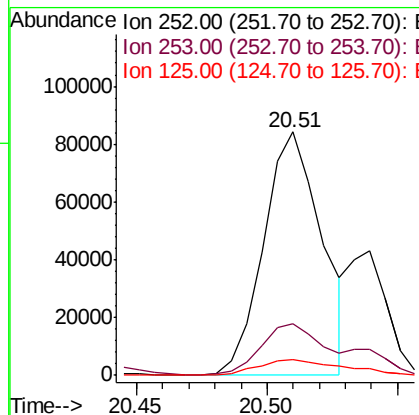
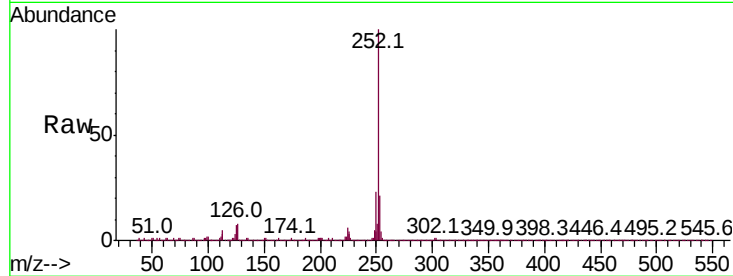
Instrument :
BNA_P

ClientSampleId :
161-CHURCH-ST-NORTH-HALED0

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.5	26.3
125	6.6	5.6	8.4

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#89

Benzo(k)fluoranthene

Concen: 7.188 ng m

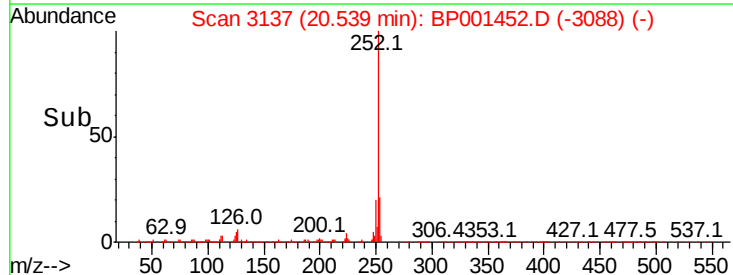
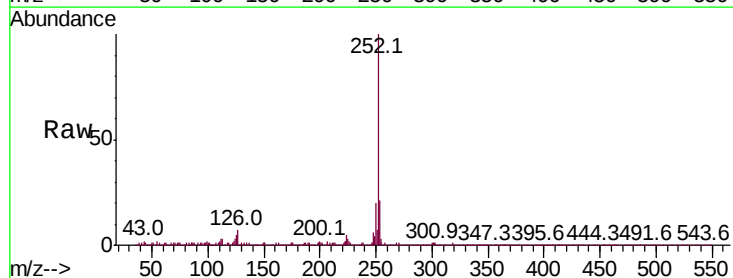
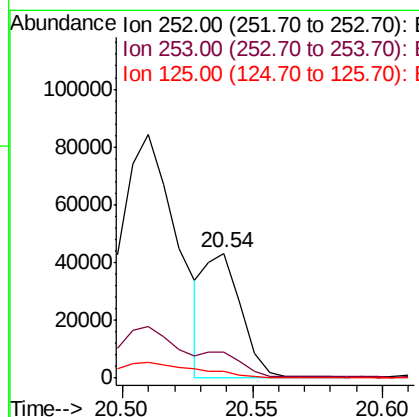
RT: 20.54 min Scan# 3137

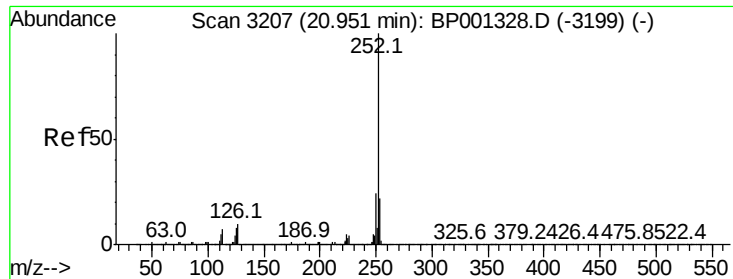
Delta R.T. -0.01 min

Lab File: BP001452.D

Acq: 27 Dec 2019 08:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.4	26.2
125	5.5	4.5	6.7





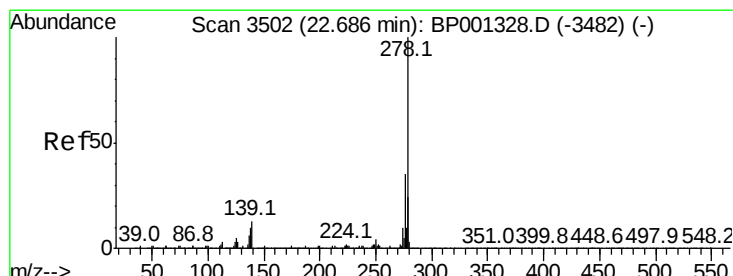
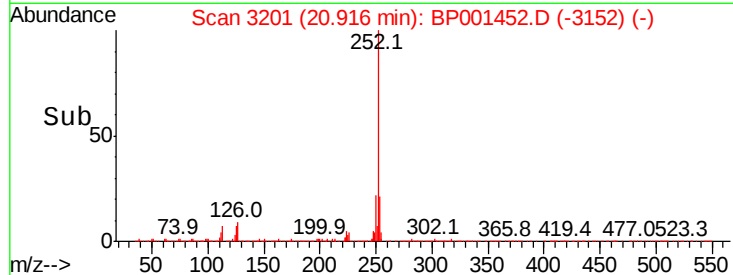
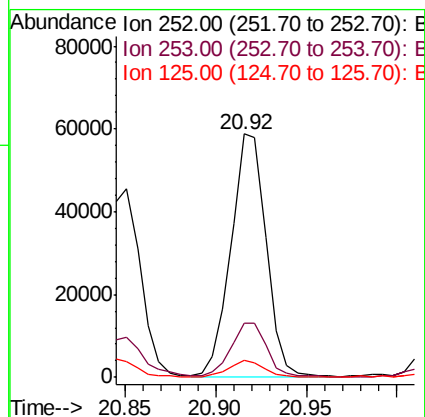
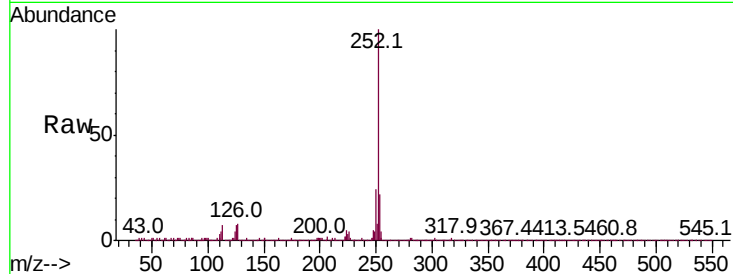
#90
Benzo(a)pyrene
Concen: 13.721 ng
RT: 20.92 min Scan# 3201
Delta R.T. -0.01 min
Lab File: BP001452.D
Acq: 27 Dec 2019 08:52

Instrument :
BNA_P
ClientSampleId :
161-CHURCH-ST-NORTH-HALEDO

Tot Ion:	252	Resp:	78939
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.2	25.8
125	6.8	5.2	7.8

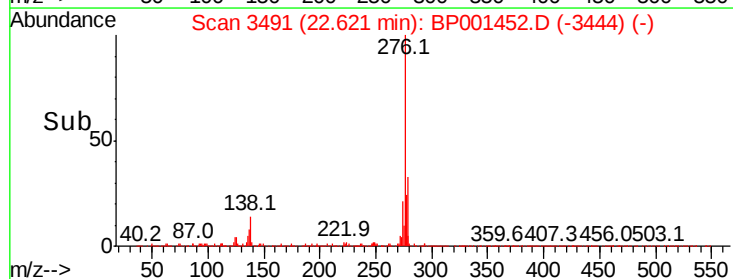
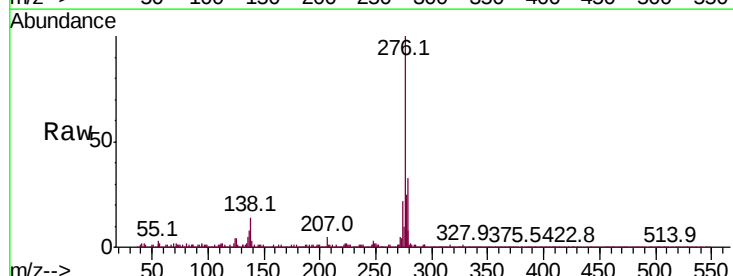
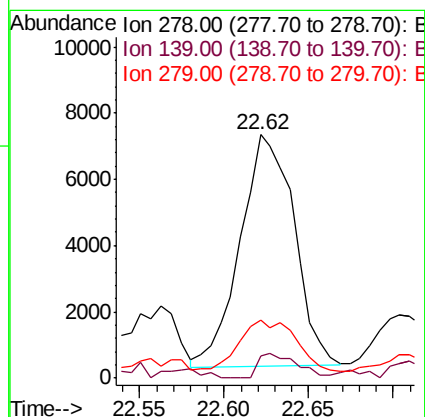
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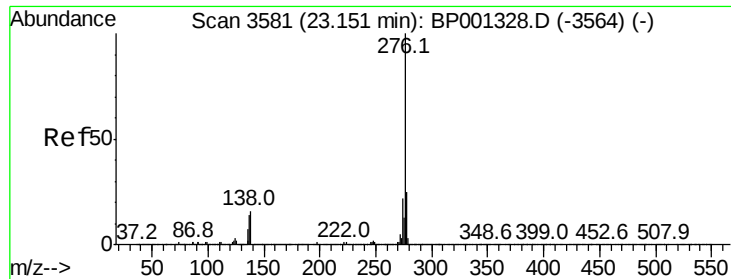
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#91
Dibenzo(a,h)anthracene
Concen: 2.759 ng
RT: 22.62 min Scan# 3491
Delta R.T. -0.02 min
Lab File: BP001452.D
Acq: 27 Dec 2019 08:52

Tgt Ion:	278	Resp:	15520
Ion Ratio	Lower	Upper	
278	100		
139	9.2	8.3	12.5
279	23.7	19.1	28.7





#92
 Benzo(a,h,i)perylene
 Concen: 10.889 ng
 RT: 23.09 min Scan# 3571
 Delta R.T. -0.02 min
 Lab File: BP001452.D
 Acq: 27 Dec 2019 08:52

Instrument :
 BNA_P
 ClientSampleId :
 161-CHURCH-ST-NORTH-HALEDO

Tot Ion:	276	Resp:	58529
Ion Ratio	Lower	Upper	
276	100		
277	23.0	18.6	27.8
138	13.5	10.5	15.7

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