

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122419\
 Data File : BP001406.D
 Acq On : 25 Dec 2019 01:04
 Operator : JU
 Sample : K6399-01 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

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

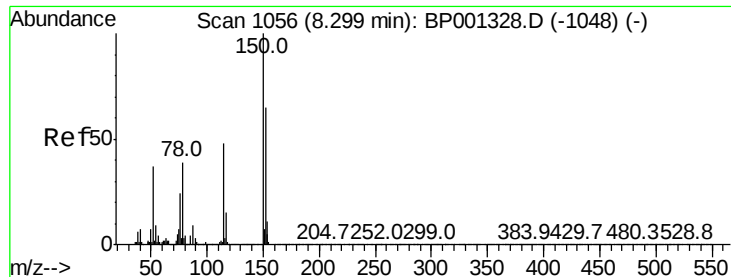
Manual Integrations
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Quant Time: Dec 25 07:20:39 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP121919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 24 16:04:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.29	152	47679	20.00	ng	0.00
21) Naphthalene-d8	10.32	136	163194	20.00	ng	0.00
39) Acenaphthene-d10	13.18	164	88843	20.00	ng	0.00
64) Phenanthrene-d10	15.59	188	156215	20.00	ng	0.00
76) Chrysene-d12	19.25	240	128745	20.00	ng	0.02
87) Perylene-d12	21.02	264	125137	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	6.20	112	116673	39.55	ng	0.00
7) Phenol-d6	7.75	99	156675	40.70	ng	0.00
23) Nitrobenzene-d5	9.16	82	106462	25.05	ng	-0.01
42) 2,4,6-Tribromophenol	14.47	330	38299	34.48	ng	0.00
45) 2-Fluorobiphenyl	12.10	172	165858	23.61	ng	0.00
79) Terphenyl-d14	17.87	244	143691	19.12	ng	0.00
Target Compounds						
50) Dimethylphthalate	12.77	163	25476	3.495	ng	99
52) Acenaphthene	13.23	154	41161	7.776	ng	98
55) Dibenzofuran	13.52	168	36098	4.352	ng	97
58) Fluorene	14.08	166	79962	12.054	ng	98
71) Phenanthrene	15.63	178	1517864	170.307	ng	99
72) Anthracene	15.70	178	243952	27.650	ng	98
73) Carbazole	15.95	167	182227	23.166	ng	99
75) Fluoranthene	17.36	202	3097972	310.862	ng	97
78) Pyrene	17.67	202	2418284	241.919	ng	99
81) Benzo(a)anthracene	19.24	228	1205523	128.501	ng	99
83) Chrysene	19.29	228	1376859	152.052	ng	97
86) Indeno(1,2,3-cd)pyrene	22.69	276	643977	65.849	ng	97
88) Benzo(b)fluoranthene	20.56	252	2021207m	245.944	ng	
89) Benzo(k)fluoranthene	20.58	252	375135m	47.919	ng	
90) Benzo(a)pyrene	20.97	252	1064622	142.206	ng	# 97
91) Dibenzo(a,h)anthracene	22.69	278	161572	22.073	ng	96
92) Benzo(a,h,i)perylene	23.17	276	562871	80.473	ng	# 96

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.29 min Scan# 1054

Delta R.T. -0.00 min

Lab File: BP001406.D

Acq: 25 Dec 2019 01:04

Instrument :

BNA_P

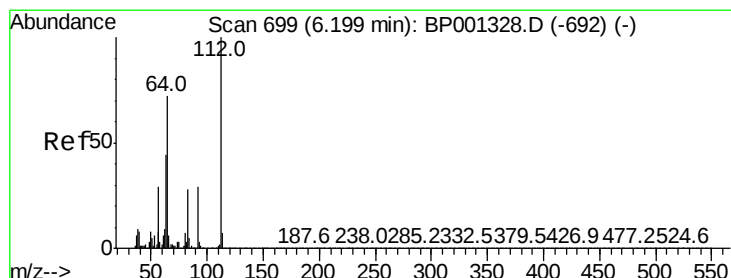
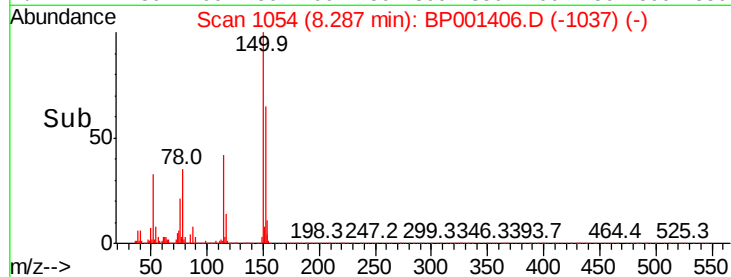
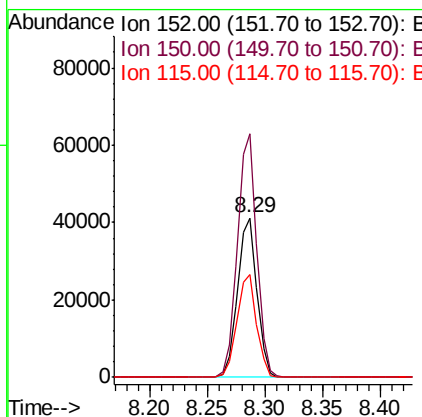
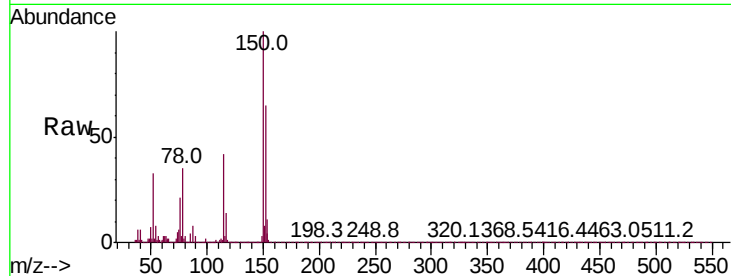
ClientSampleId :

161-CHURCH-ST-NORTH-HALED

Tot Ion:	152	Resp:	47679
Ion	Ratio	Lower	Upper
152	100		
150	152.8	127.0	190.6
115	64.2	56.1	84.1

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#5

2-Fluorophenol

Concen: 39.549 ng

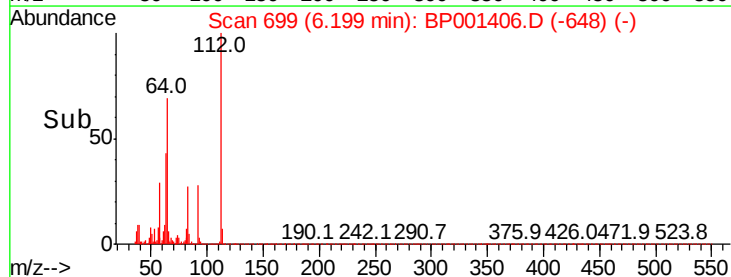
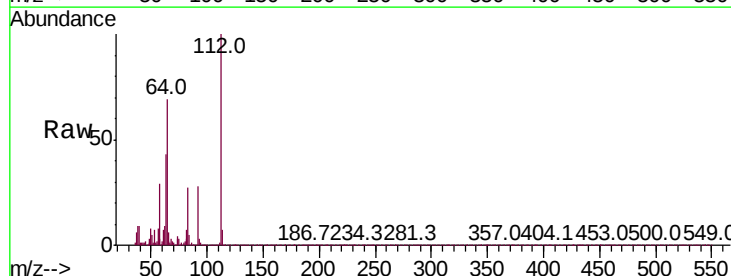
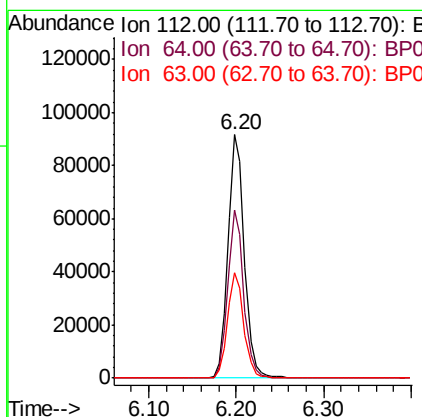
RT: 6.20 min Scan# 699

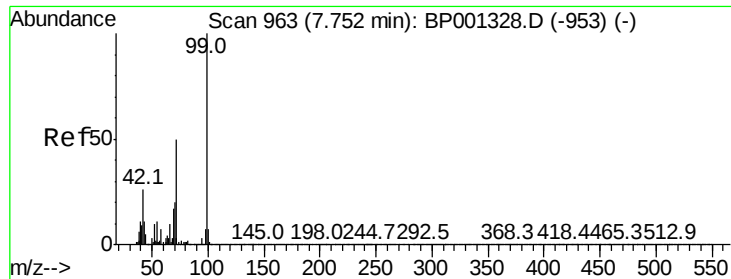
Delta R.T. -0.00 min

Lab File: BP001406.D

Acq: 25 Dec 2019 01:04

Tgt Ion:	112	Resp:	116673
Ion	Ratio	Lower	Upper
112	100		
64	69.1	53.9	80.9
63	43.4	33.4	50.0





#7

Phenol-d6

Concen: 40.700 ng

RT: 7.75 min Scan# 962

Delta R.T. -0.01 min

Lab File: BP001406.D

Acq: 25 Dec 2019 01:04

Instrument :

BNA_P

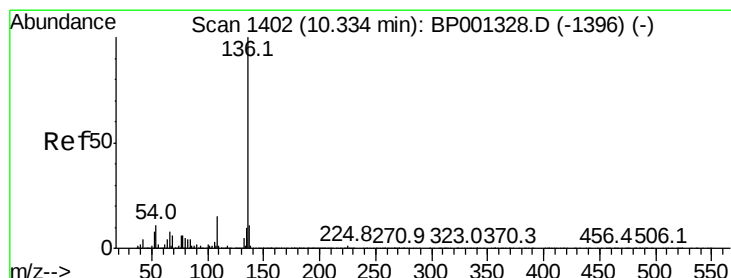
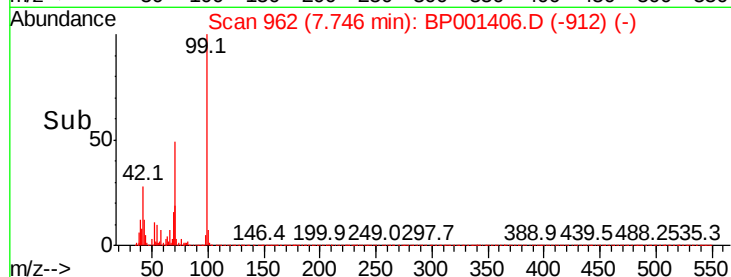
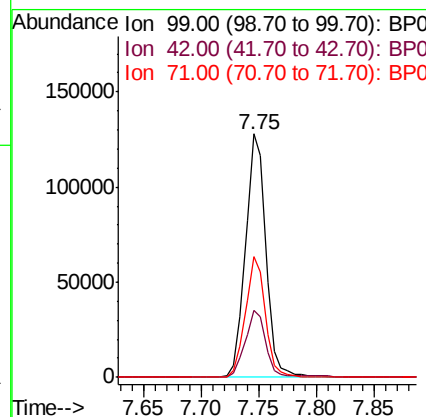
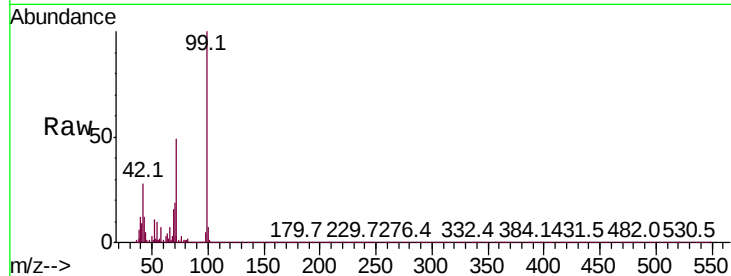
ClientSampleId :

161-CHURCH-ST-NORTH-HALEDO

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		156675		
42	27.5	20.8	31.2		
71	49.3	38.2	57.4		

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#21

Naphthalene-d8

Concen: 20.000 ng

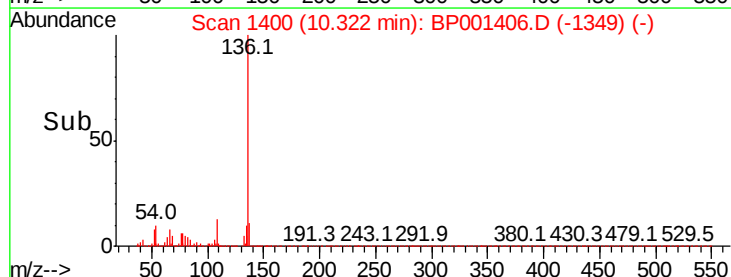
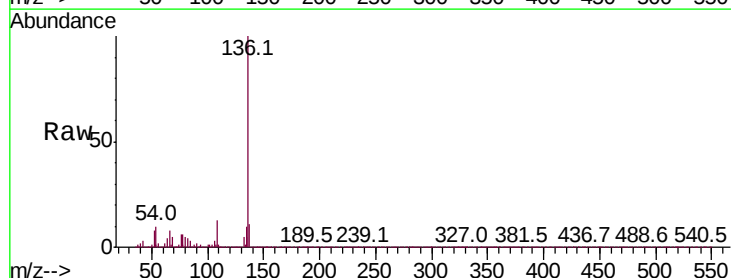
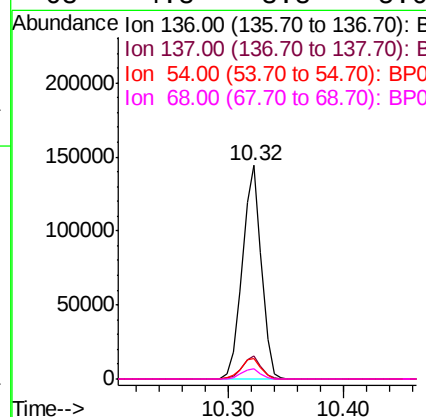
RT: 10.32 min Scan# 1400

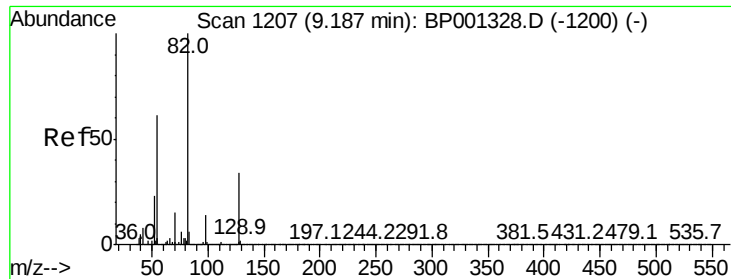
Delta R.T. -0.00 min

Lab File: BP001406.D

Acq: 25 Dec 2019 01:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		163194		
137	10.8	9.0	13.4		
54	9.8	7.3	10.9		
68	4.8	3.8	5.6		





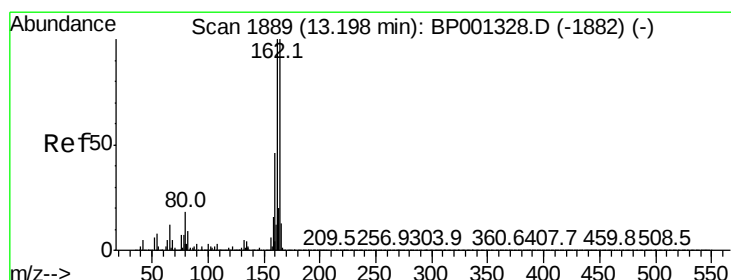
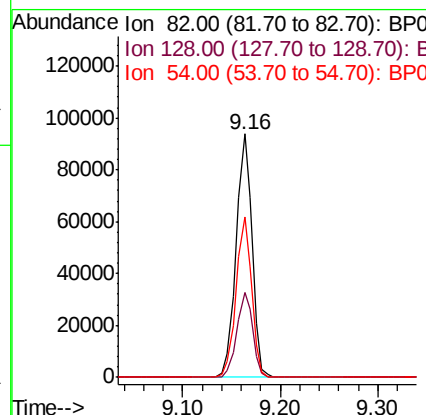
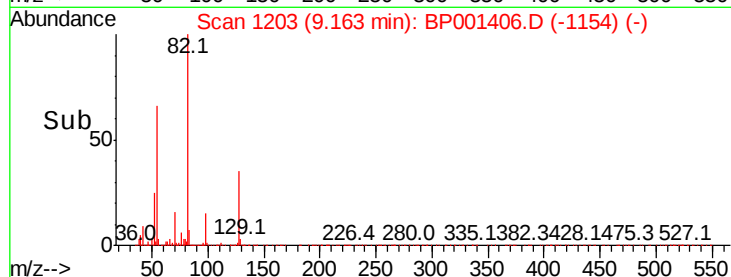
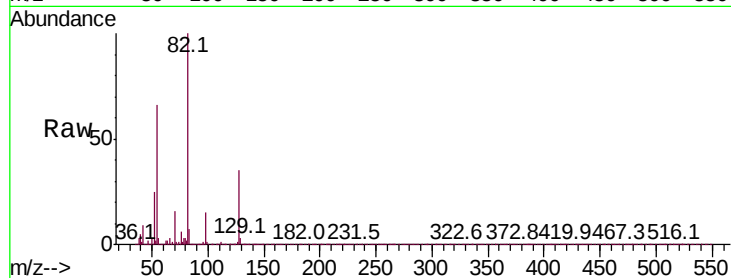
#23
Nitrobenzene-d5
Concen: 25.052 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BP001406.D
Acq: 25 Dec 2019 01:04

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	34.8	27.4	41.0
54	66.0	47.5	71.3

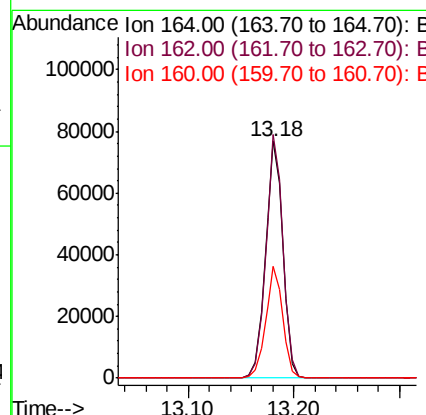
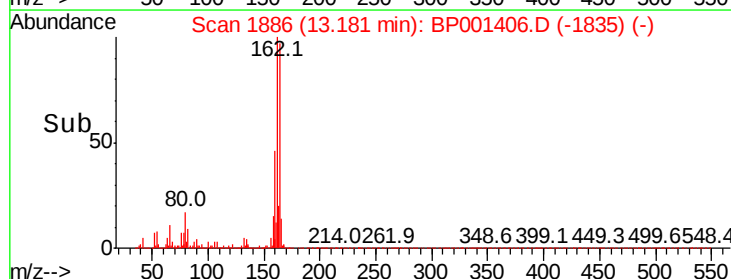
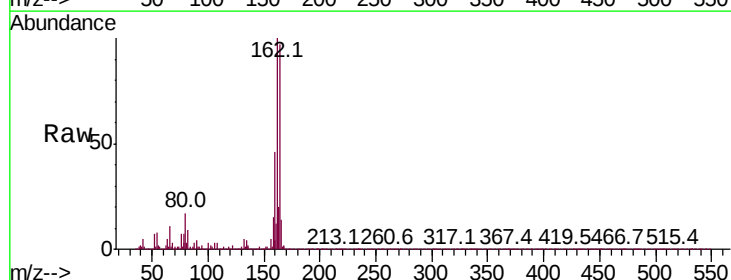
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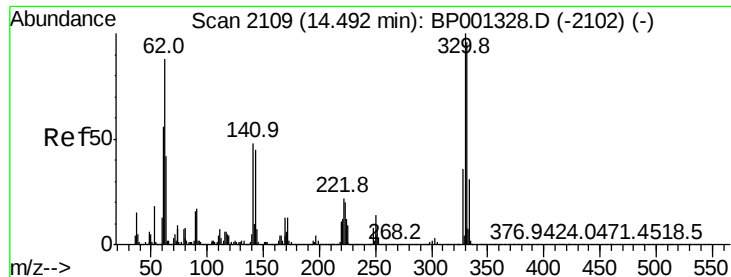
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 13.18 min Scan# 1886
Delta R.T. -0.00 min
Lab File: BP001406.D
Acq: 25 Dec 2019 01:04

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.7	78.2	117.4
160	47.4	35.1	52.7





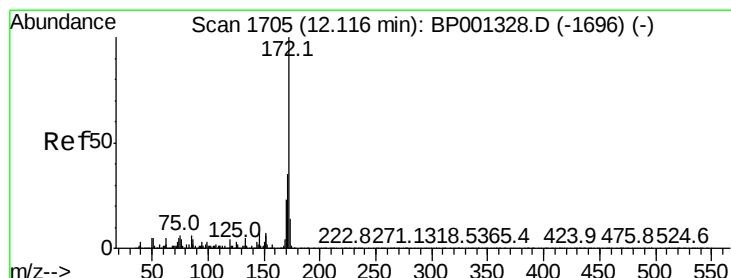
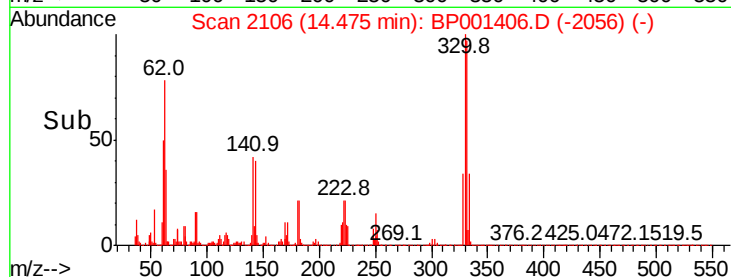
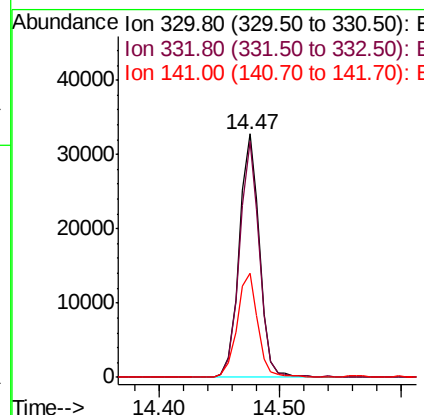
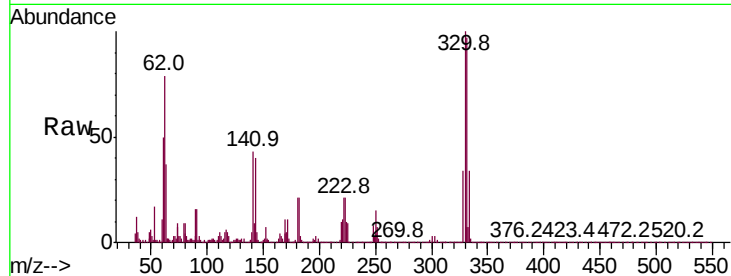
#42
 2,4,6-Tribromophenol
 Concen: 34.481 ng
 RT: 14.47 min Scan# 2106
 Delta R.T. -0.01 min
 Lab File: BP001406.D
 Acq: 25 Dec 2019 01:04

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

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.0	78.3	117.5
141	44.1	26.8	40.2

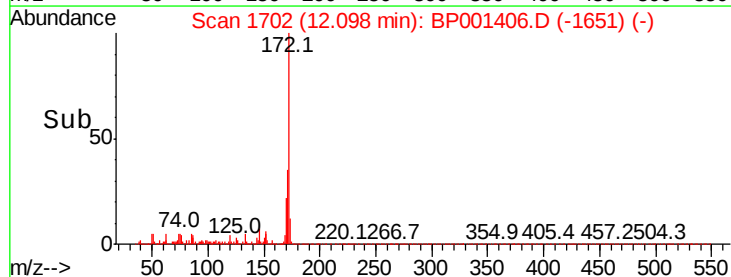
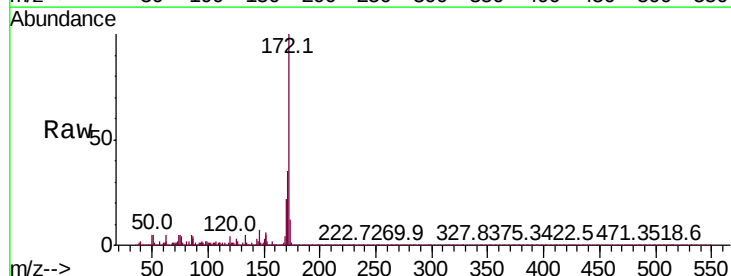
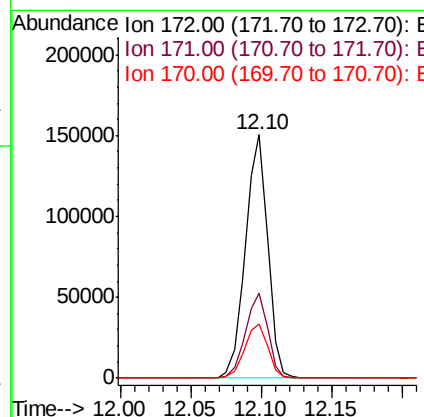
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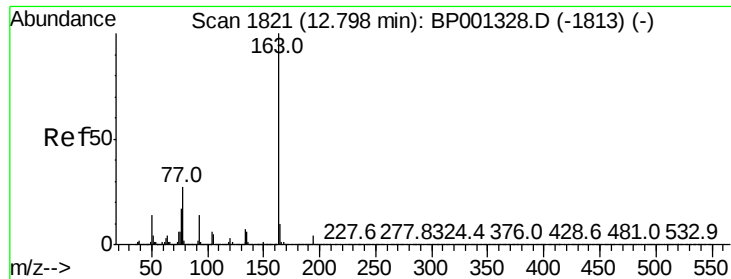
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#45
 2-Fluorobiphenyl
 Concen: 23.606 ng
 RT: 12.10 min Scan# 1702
 Delta R.T. -0.00 min
 Lab File: BP001406.D
 Acq: 25 Dec 2019 01:04

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.4	41.0
170	22.2	18.2	27.4





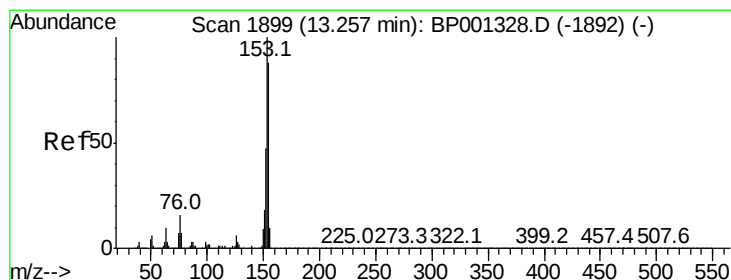
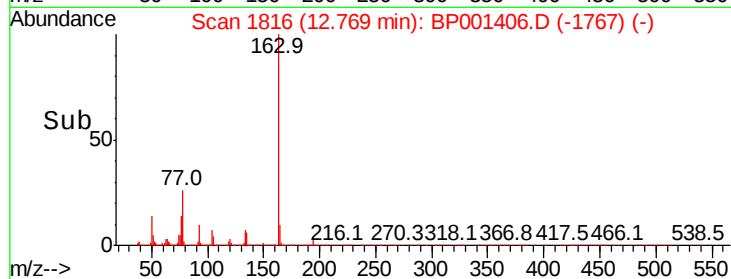
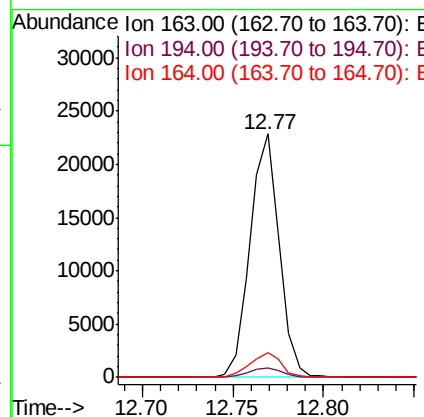
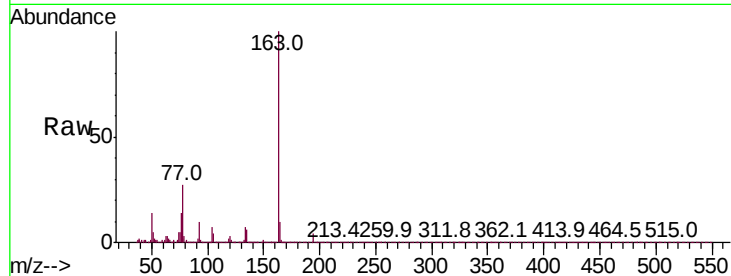
#50
Dimethylphthalate
Concen: 3.495 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.01 min
Lab File: BP001406.D
Acq: 25 Dec 2019 01:04

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

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.9	3.2	4.8	
164	10.0	7.7	11.5	

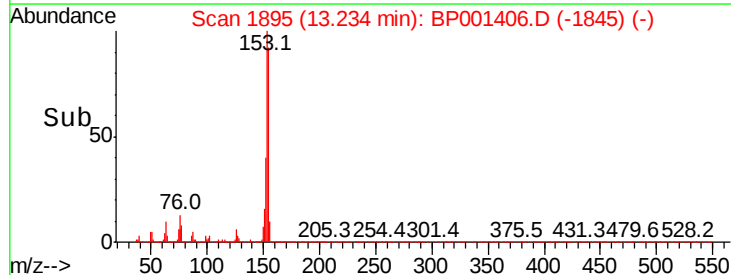
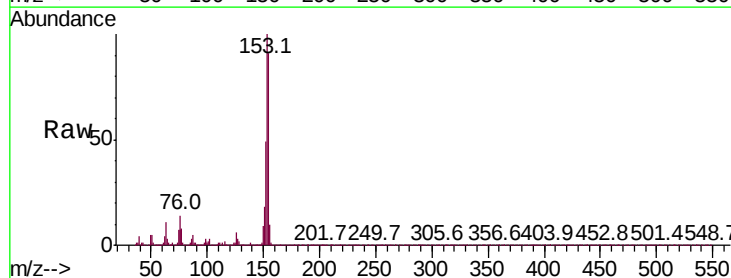
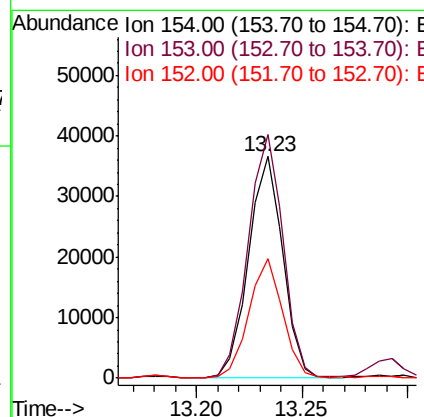
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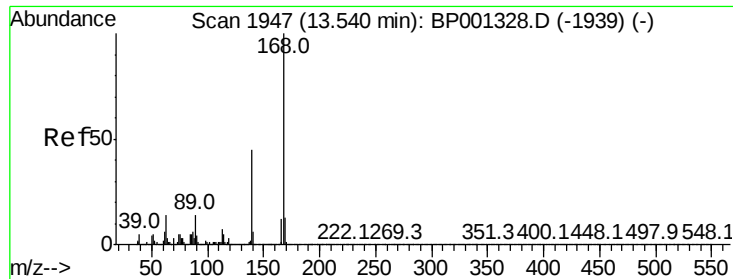
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#52
Acenaphthene
Concen: 7.776 ng
RT: 13.23 min Scan# 1895
Delta R.T. -0.01 min
Lab File: BP001406.D
Acq: 25 Dec 2019 01:04

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	109.9	90.1	135.1	
152	53.7	41.8	62.6	





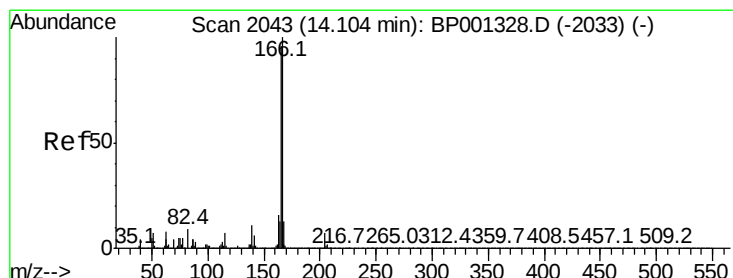
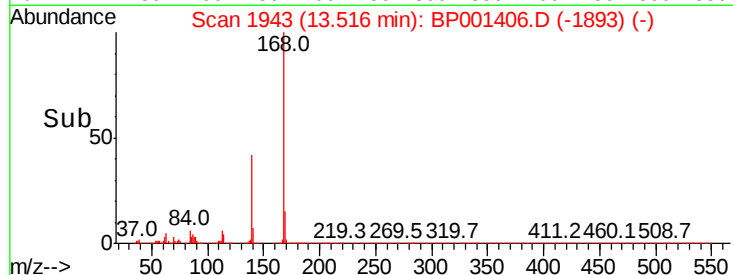
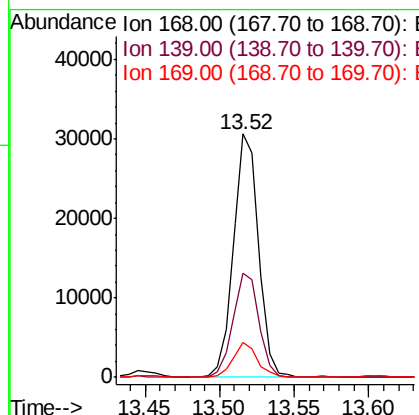
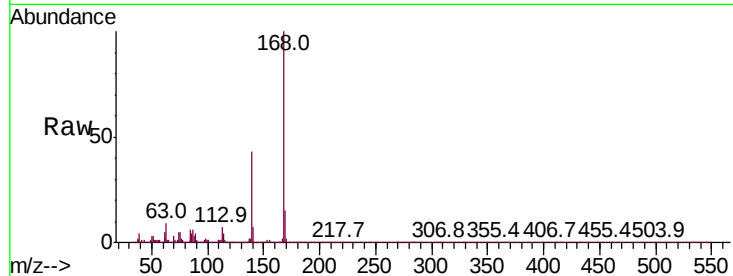
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Dibenzofuran
Concen: 4.352 ng
RT: 13.52 min Scan# 1943
Delta R.T. -0.01 min
Lab File: BP001406.D
Acq: 25 Dec 2019 01:04

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

Tot Ion	Ratio	Lower	Upper
168	100		
139	42.8	33.0	49.4
169	14.6	10.6	16.0

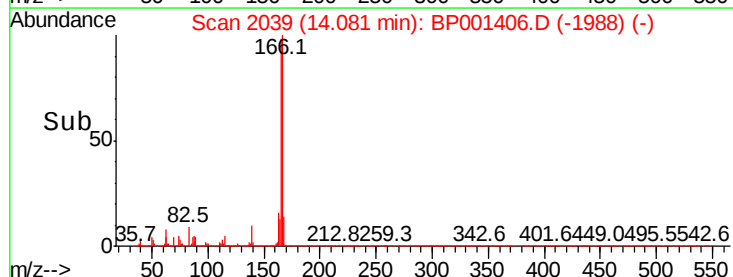
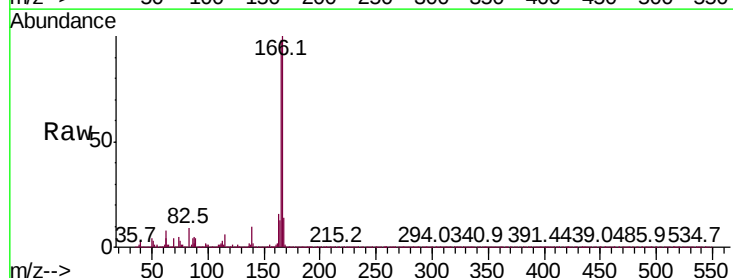
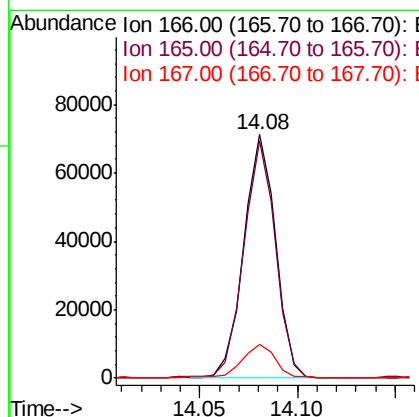
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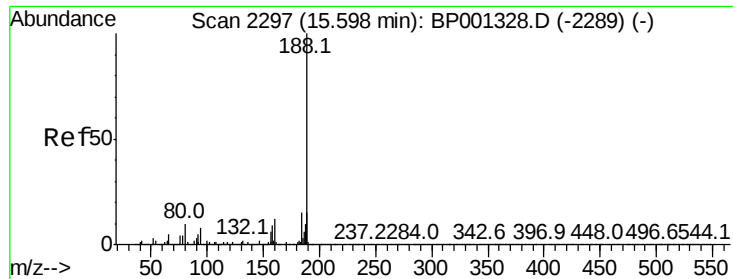
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#58
Fluorene
Concen: 12.054 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.00 min
Lab File: BP001406.D
Acq: 25 Dec 2019 01:04

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.6	76.6	114.8
167	13.9	11.0	16.4





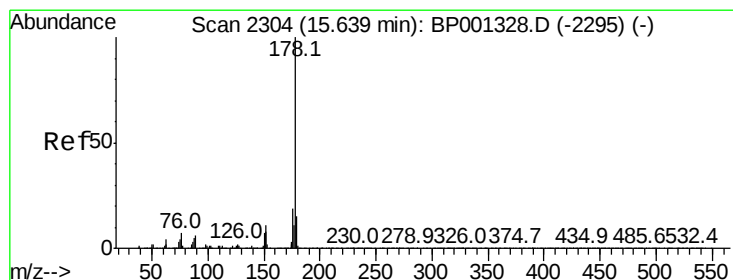
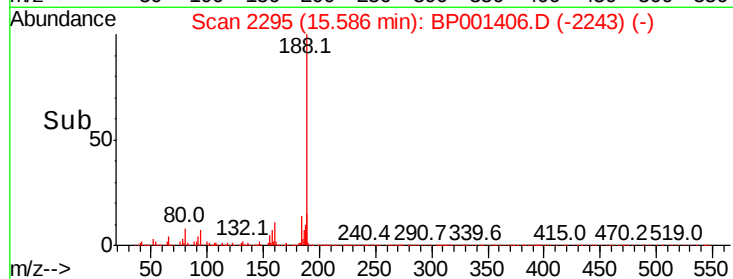
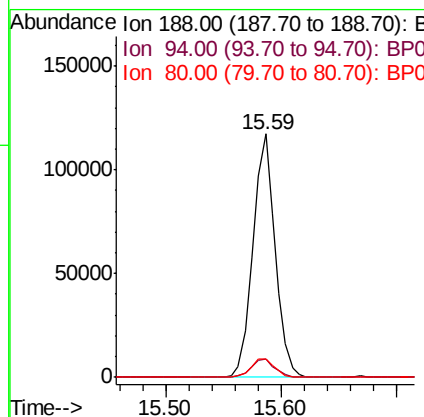
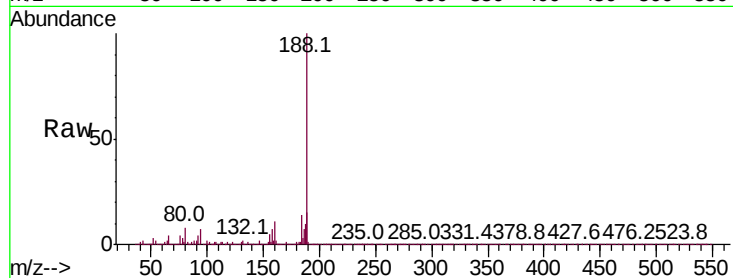
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 15.59 min Scan# 2295
Delta R.T. 0.01 min
Lab File: BP001406.D
Acq: 25 Dec 2019 01:04

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

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	7.4	5.8	8.8
80	7.6	5.7	8.5

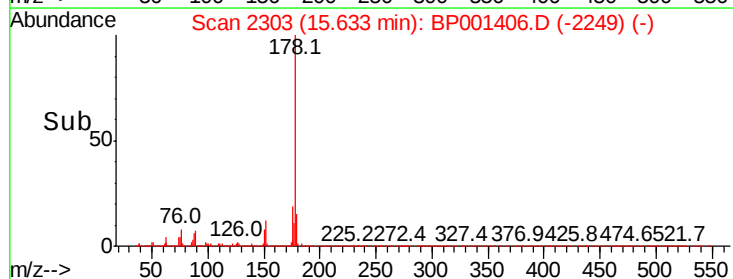
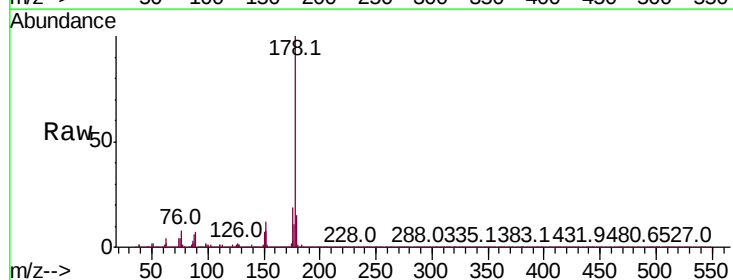
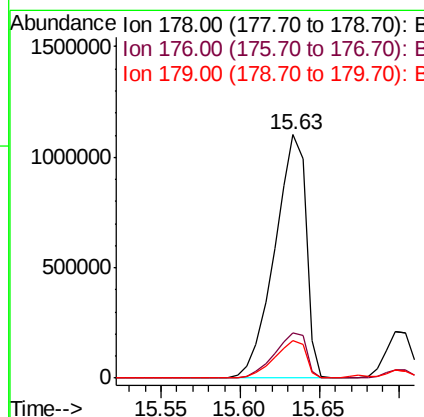
Manual Integrations
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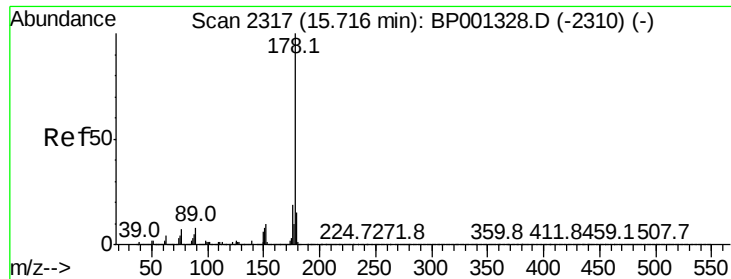
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#71
Phenanthrene
Concen: 170.307 ng
RT: 15.63 min Scan# 2303
Delta R.T. 0.02 min
Lab File: BP001406.D
Acq: 25 Dec 2019 01:04

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.7	15.4	23.0
179	15.2	12.2	18.2





#72

Anthracene

Concen: 27.650 ng

RT: 15.70 min Scan# 2314

Delta R.T. -0.00 min

Lab File: BP001406.D

Acq: 25 Dec 2019 01:04

Instrument :

BNA_P

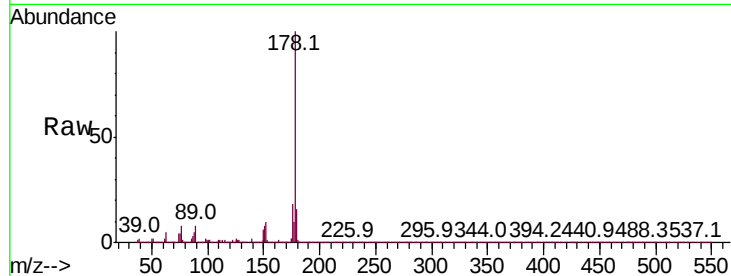
ClientSampleId :

161-CHURCH-ST-NORTH-HALEDO

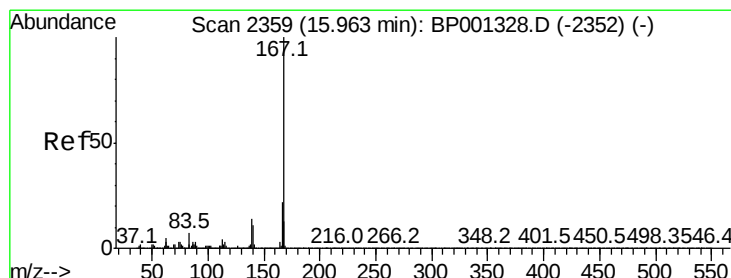
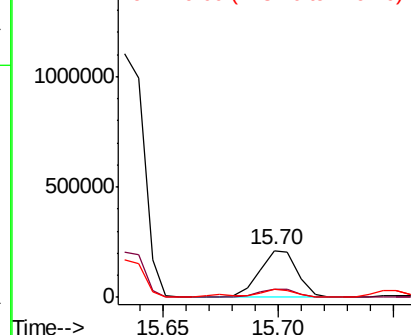
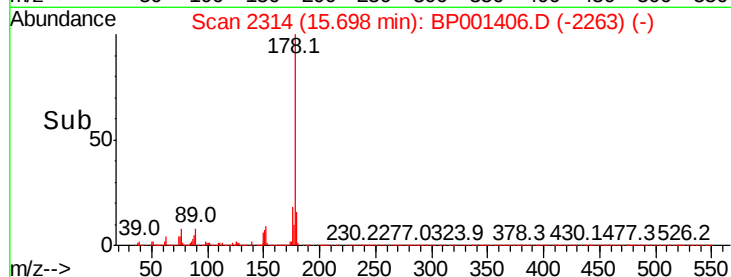
Tot Ion:	178	Resp:	243952
Ion Ratio	Lower	Upper	
178	100		
176	18.4	14.5	21.7
179	16.0	11.8	17.8

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Abundance Ion 178.00 (177.70 to 178.70): E
1500000
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#73

Carbazole

Concen: 23.166 ng

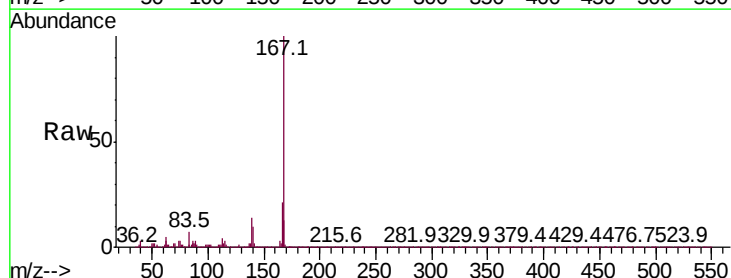
RT: 15.95 min Scan# 2356

Delta R.T. -0.00 min

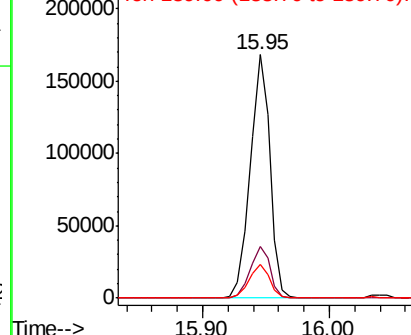
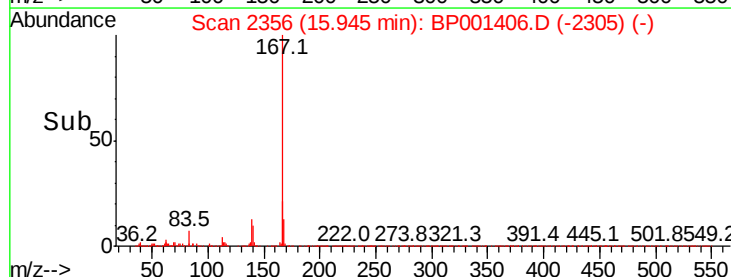
Lab File: BP001406.D

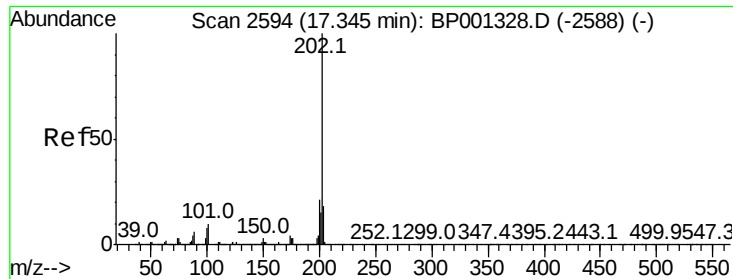
Acq: 25 Dec 2019 01:04

Tgt Ion:	167	Resp:	182227
Ion Ratio	Lower	Upper	
167	100		
166	21.4	17.4	26.2
139	13.9	10.9	16.3



Abundance Ion 167.00 (166.70 to 167.70): E
200000
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 310.862 ng

RT: 17.36 min Scan# 2597

Delta R.T. 0.04 min

Lab File: BP001406.D

Acq: 25 Dec 2019 01:04

Instrument :

BNA_P

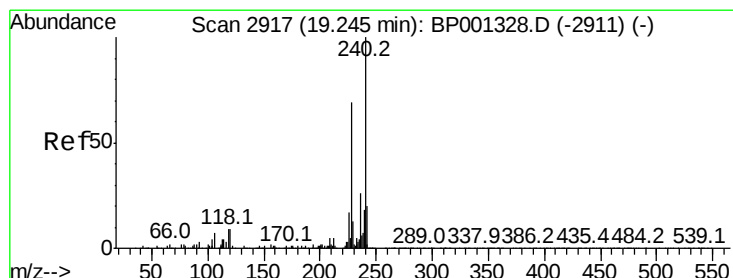
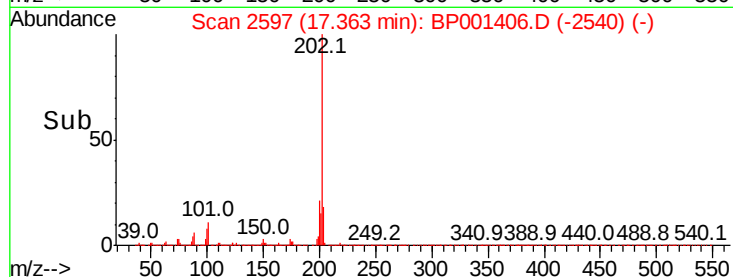
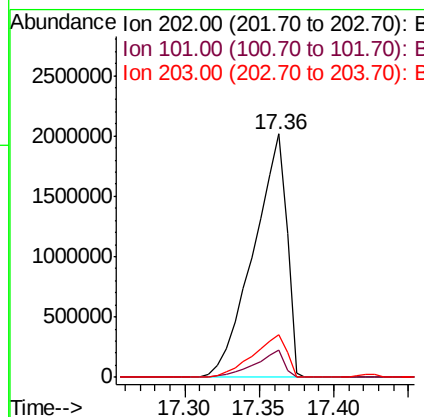
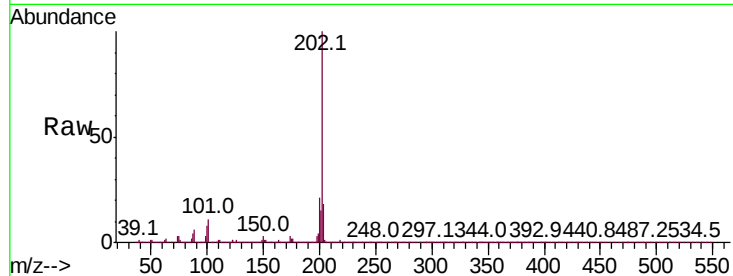
ClientSampleId :

161-CHURCH-ST-NORTH-HALEDO

Tot Ion	Ratio	Resp	Lower	Upper
202	100	3097972		
101	11.1		0.0	28.7
203	17.7		0.0	37.4

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#76

Chrysene-d12

Concen: 20.000 ng

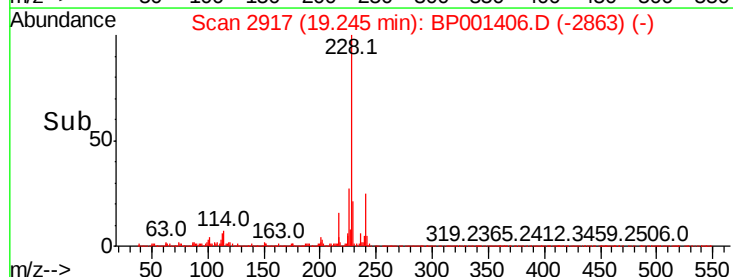
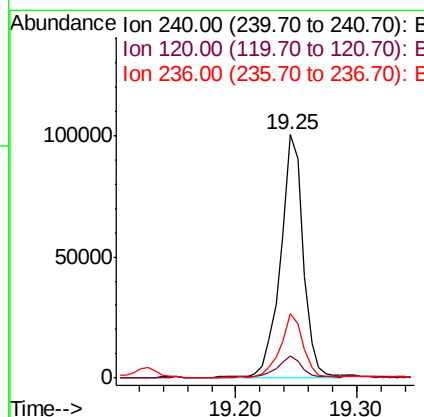
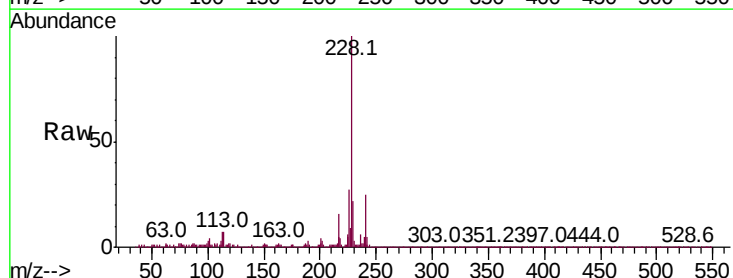
RT: 19.25 min Scan# 2917

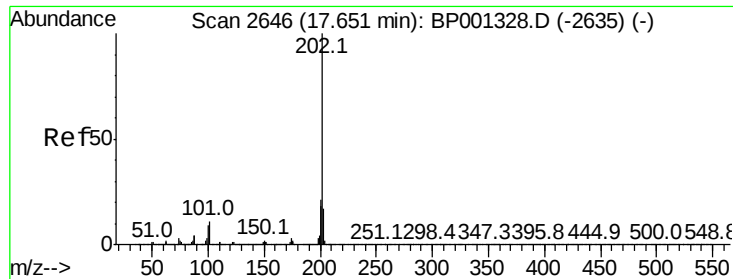
Delta R.T. 0.02 min

Lab File: BP001406.D

Acq: 25 Dec 2019 01:04

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	128745		
120	8.9		6.2	9.2
236	26.2		20.2	30.2





#78

Pvrene

Concen: 241.919 ng

RT: 17.67 min Scan# 2649

Delta R.T. 0.04 min

Lab File: BP001406.D

Acq: 25 Dec 2019 01:04

Instrument :

BNA_P

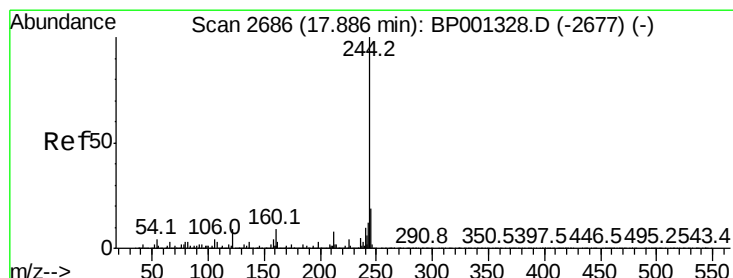
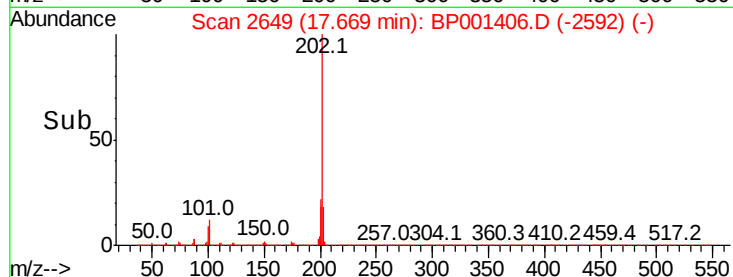
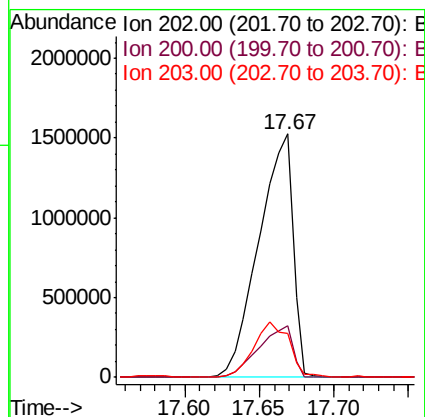
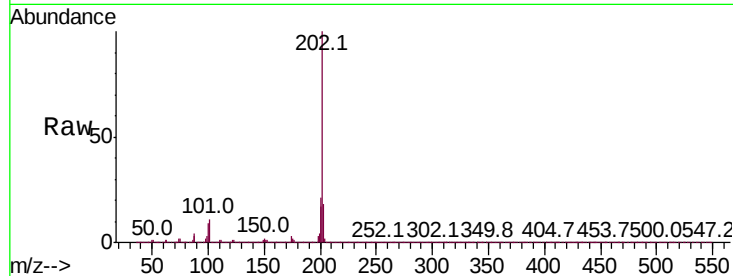
ClientSampleId :

161-CHURCH-ST-NORTH-HALEDO

Tot Ion:	202	Resp:	2418284
Ion Ratio	Lower	Upper	
202	100		
200	21.3	16.6	25.0
203	17.9	14.3	21.5

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#79

Terphenyl-d14

Concen: 19.116 ng

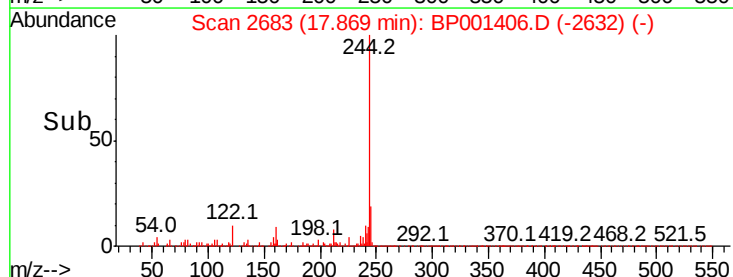
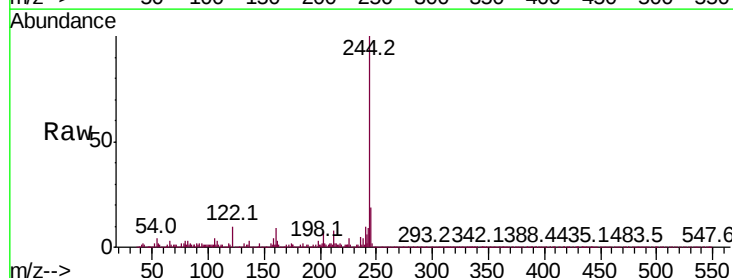
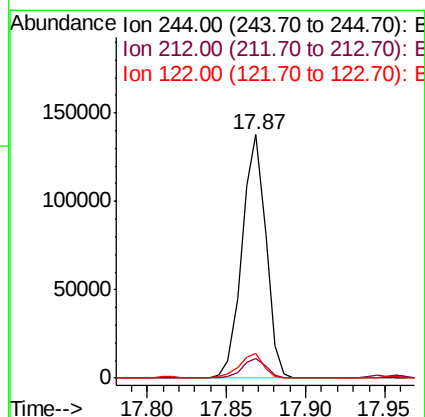
RT: 17.87 min Scan# 2683

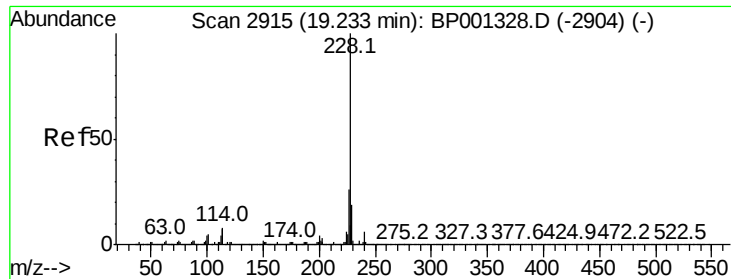
Delta R.T. -0.00 min

Lab File: BP001406.D

Acq: 25 Dec 2019 01:04

Tgt Ion:	244	Resp:	143691
Ion Ratio	Lower	Upper	
244	100		
212	8.3	5.8	8.8
122	9.9	6.4	9.6#





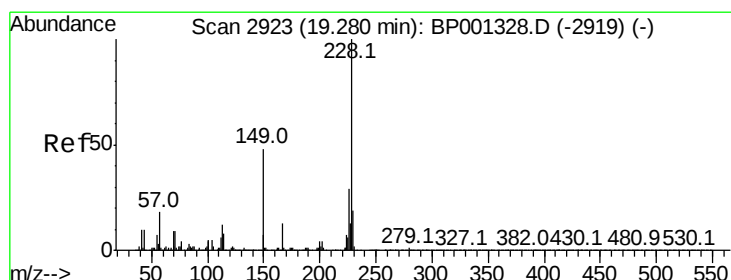
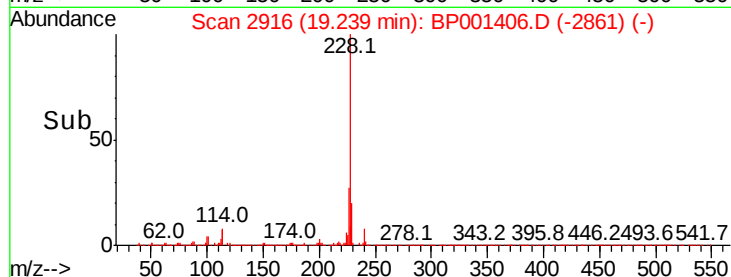
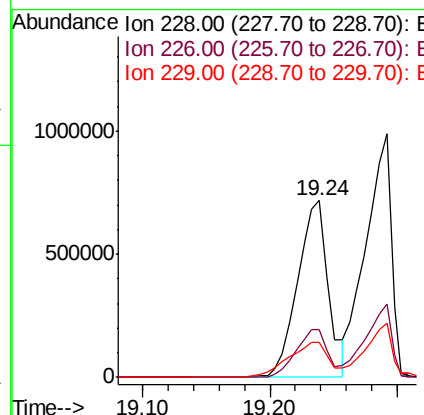
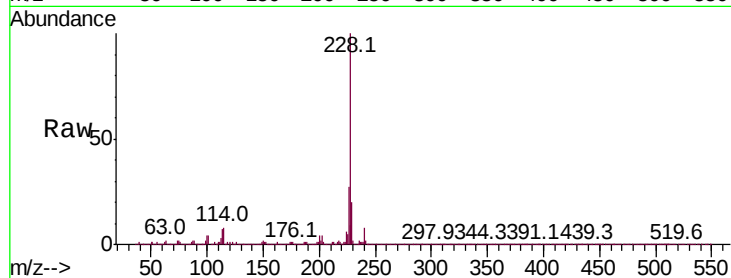
#81
Benzo(a)anthracene
Concen: 128.501 ng
RT: 19.24 min Scan# 2916
Delta R.T. 0.02 min
Lab File: BP001406.D
Acq: 25 Dec 2019 01:04

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.4	32.2
229	20.0	15.7	23.5

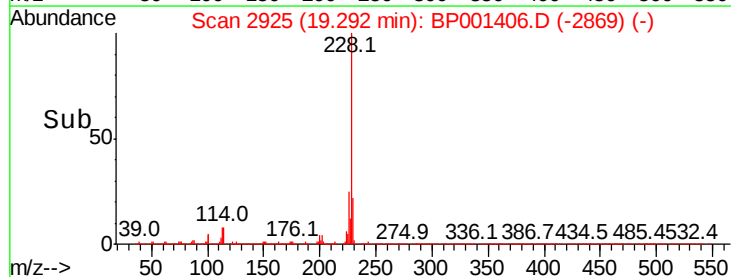
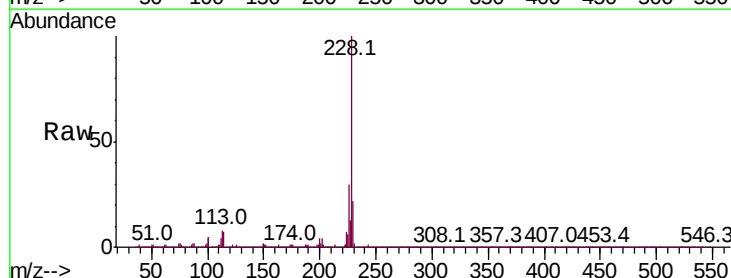
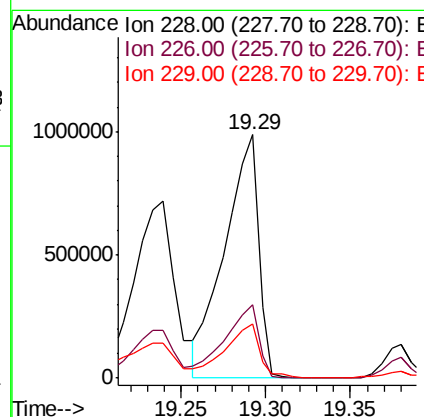
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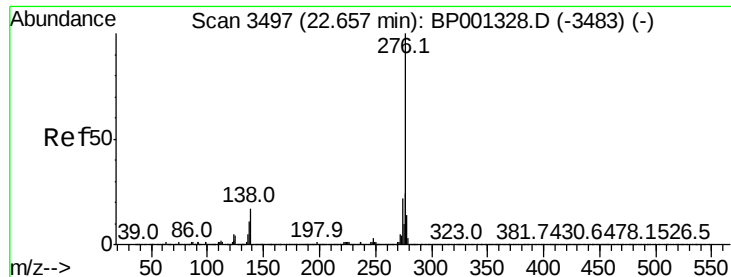
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#83
Chrysene
Concen: 152.052 ng
RT: 19.29 min Scan# 2925
Delta R.T. 0.03 min
Lab File: BP001406.D
Acq: 25 Dec 2019 01:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.4	35.2
229	22.4	15.5	23.3





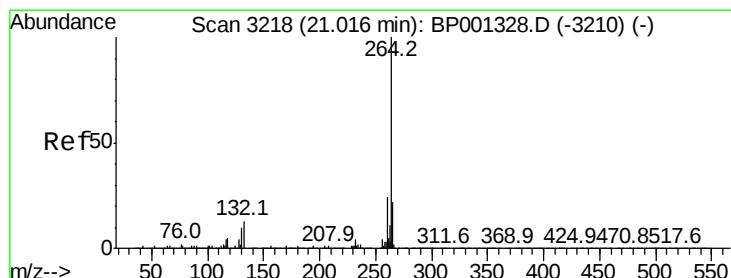
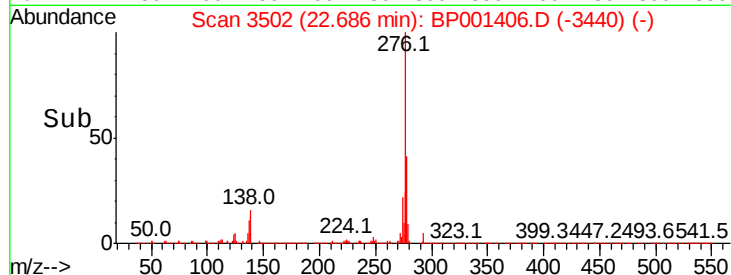
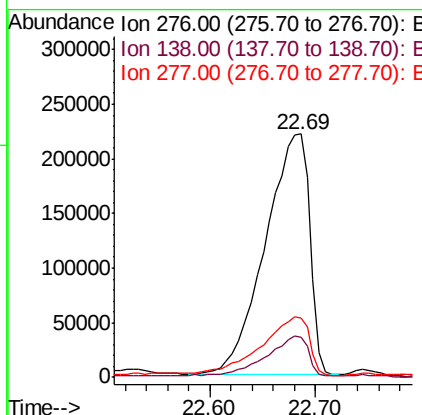
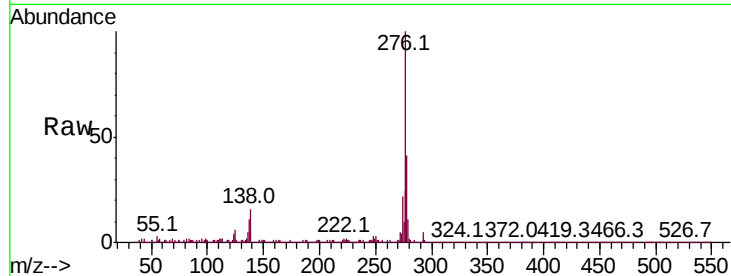
#86
Indeno(1,2,3-cd)pyrene
Concen: 65.849 ng
RT: 22.69 min Scan# 3502
Delta R.T. 0.06 min
Lab File: BP001406.D
Acq: 25 Dec 2019 01:04

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	15.6	12.8	19.2
277	27.2	19.9	29.9

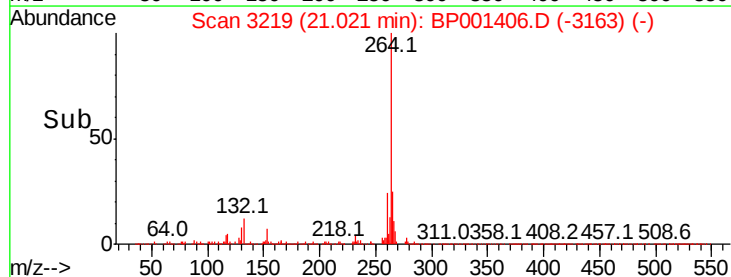
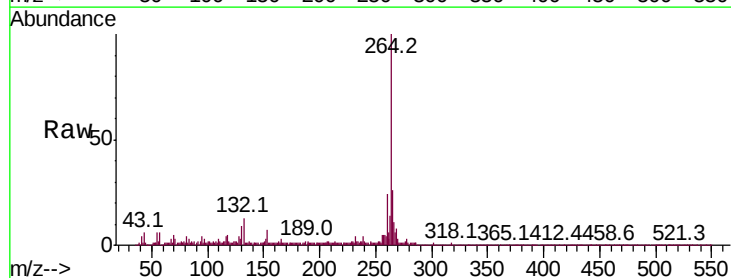
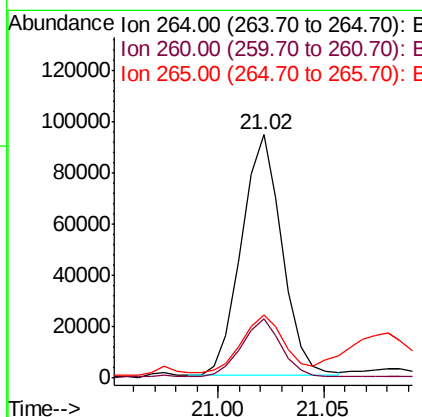
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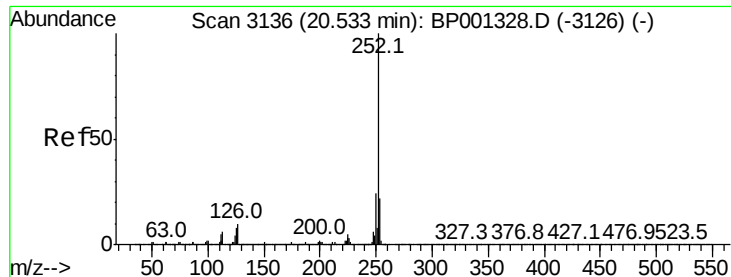
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#87
Perylene-d12
Concen: 20.000 ng
RT: 21.02 min Scan# 3219
Delta R.T. 0.03 min
Lab File: BP001406.D
Acq: 25 Dec 2019 01:04

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.0	28.4
265	25.7	17.0	25.4#





#88

Benzo(b)fluoranthene

Concen: 245.944 ng m

RT: 20.56 min Scan# 3140

Delta R.T. 0.05 min

Lab File: BP001406.D

Acq: 25 Dec 2019 01:04

Instrument :

BNA_P

ClientSampleId :

161-CHURCH-ST-NORTH-HALEDO

Tot Ion:252 Resp: 2021207

Ion Ratio Lower Upper

252 100

253 22.4 17.5 26.3

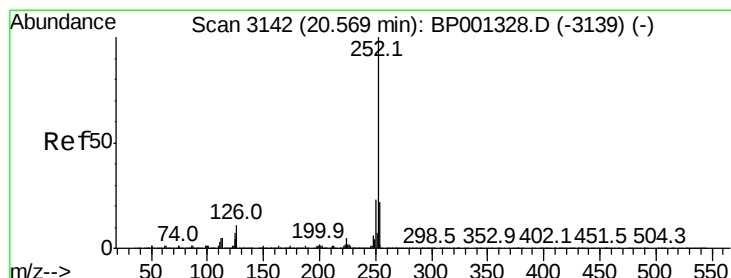
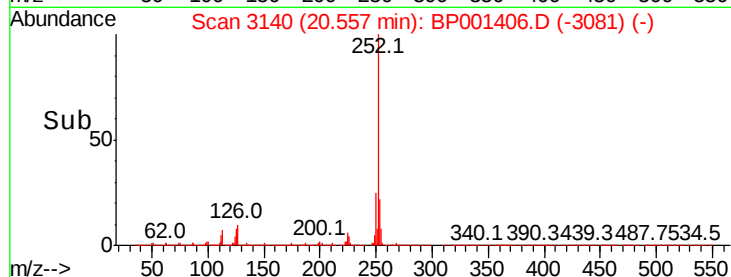
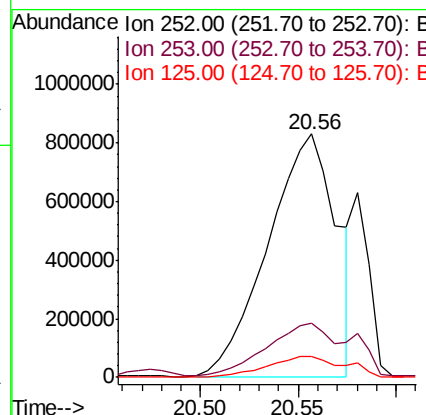
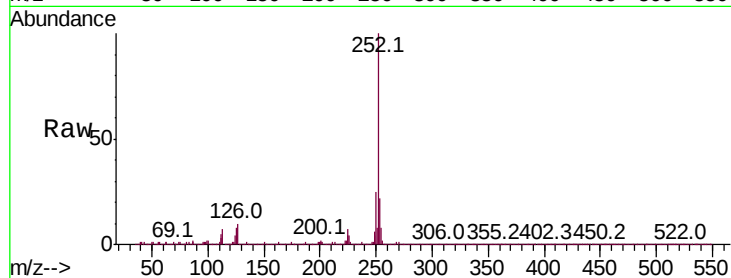
125 8.5 5.6 8.4#

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#89

Benzo(k)fluoranthene

Concen: 47.919 ng m

RT: 20.58 min Scan# 3144

Delta R.T. 0.03 min

Lab File: BP001406.D

Acq: 25 Dec 2019 01:04

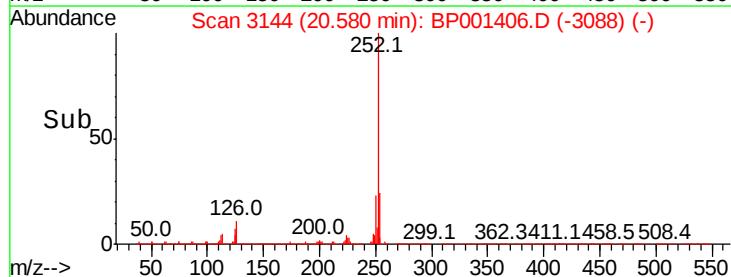
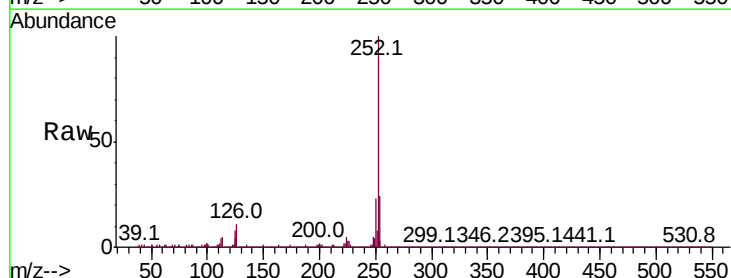
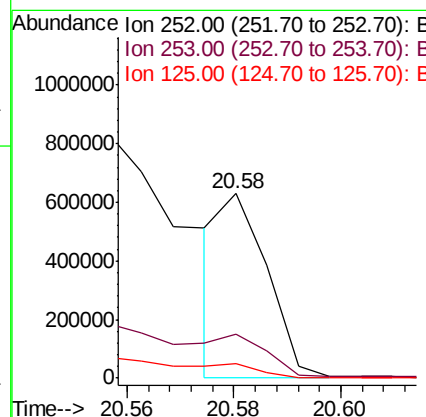
Tgt Ion:252 Resp: 375135

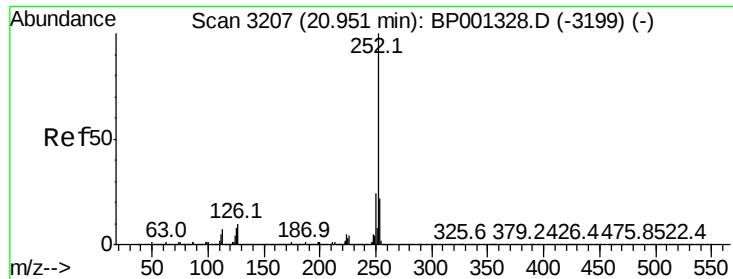
Ion Ratio Lower Upper

252 100

253 23.7 17.4 26.2

125 7.6 4.5 6.7#





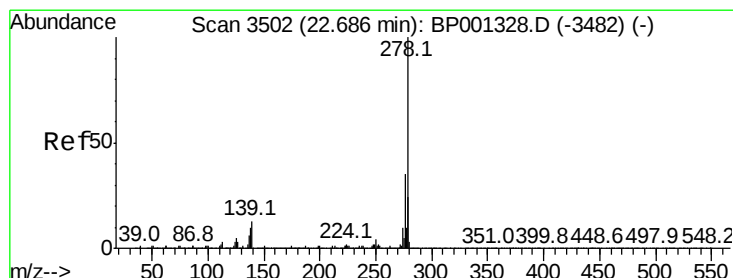
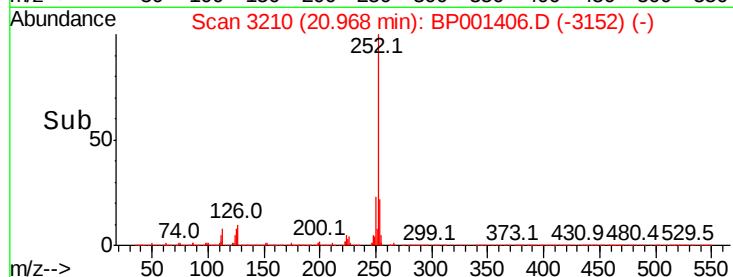
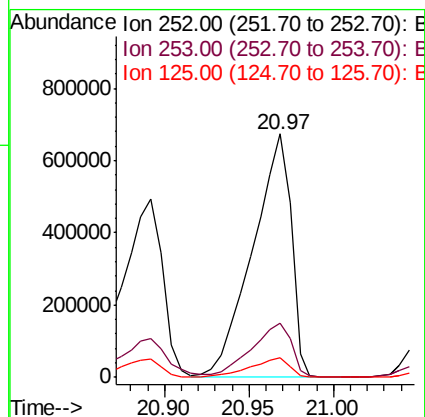
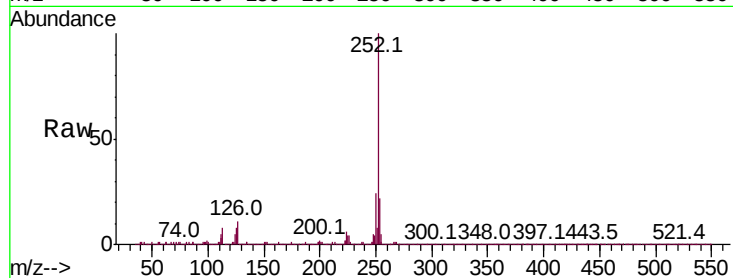
#90
Benzo(a)pyrene
Concen: 142.206 ng
RT: 20.97 min Scan# 3210
Delta R.T. 0.04 min
Lab File: BP001406.D
Acq: 25 Dec 2019 01:04

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.2	25.8
125	8.2	5.2	7.8

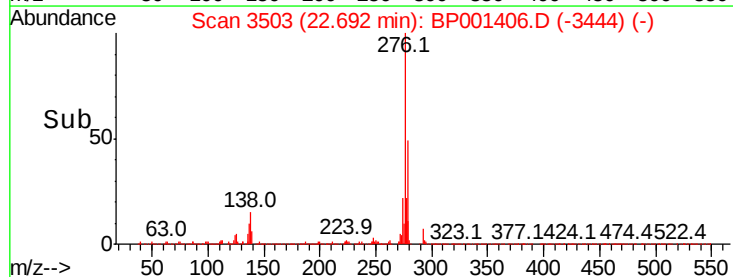
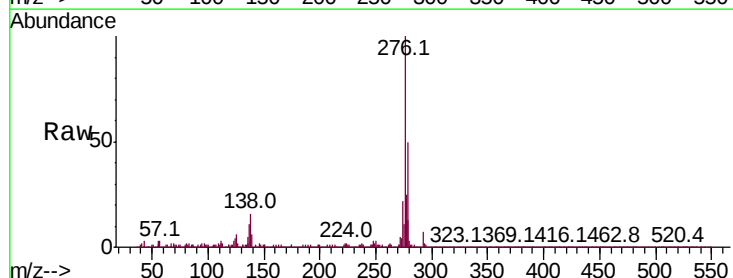
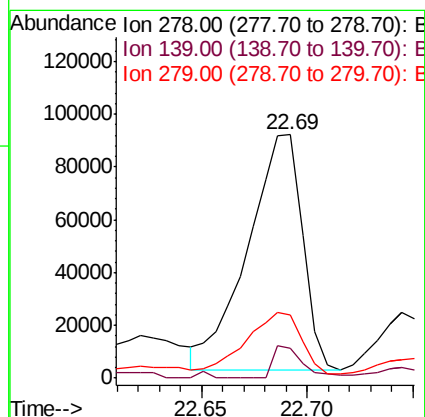
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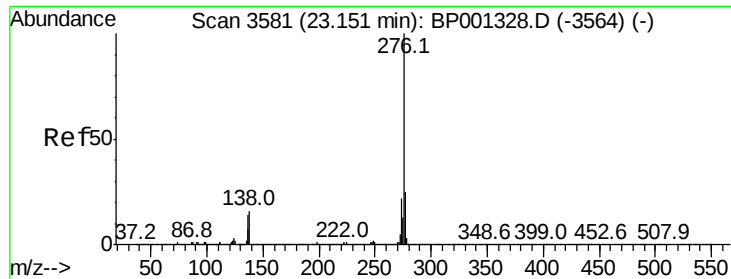
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#91
Dibenzo(a,h)anthracene
Concen: 22.073 ng
RT: 22.69 min Scan# 3503
Delta R.T. 0.05 min
Lab File: BP001406.D
Acq: 25 Dec 2019 01:04

Tgt Ion	Ratio	Lower	Upper
278	100		
139	12.2	8.3	12.5
279	25.7	19.1	28.7





#92
 Benzo(a,h,i)perylene
 Concen: 80.473 ng
 RT: 23.17 min Scan# 3585
 Delta R.T. 0.06 min
 Lab File: BP001406.D
 Acq: 25 Dec 2019 01:04

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

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.6	27.8
138	16.0	10.5	15.7

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