

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011620\
 Data File : BP001647.D
 Acq On : 17 Jan 2020 02:00
 Operator : JU
 Sample : L1004-04DL 10X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 BU-RO-234DL

Manual Integrations
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mohammad
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Quant Time: Jan 17 06:22:34 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	7.63	152	34482	20.00	ng	0.00
21) Naphthalene-d8	10.41	136	144671	20.00	ng	0.00
39) Acenaphthene-d10	14.28	164	96369	20.00	ng	0.00
64) Phenanthrene-d10	17.05	188	204505	20.00	ng	0.00
76) Chrysene-d12	21.15	240	156589	20.00	ng	0.00
87) Perylene-d12	23.39	264	168610	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	21275	12.09	ng	0.00
7) Phenol-d6	6.83	99	31142	11.07	ng	0.00
23) Nitrobenzene-d5	8.78	82	21597	6.52	ng	0.00
42) 2,4,6-Tribromophenol	15.79	330	11242	7.66	ng	0.00
45) 2-Fluorobiphenyl	12.90	172	45613	6.96	ng	0.00
79) Terphenyl-d14	19.63	244	60960	7.12	ng	-0.01

Target Compounds					Qvalue	
31) Naphthalene	10.46	128	34836	4.563	ng	98
37) 2-Methylnaphthalene	12.08	142	26209	4.307	ng	93
38) 1-Methylnaphthalene	12.30	142	14558	2.486	ng	99
52) Acenaphthene	14.35	154	88198	16.089	ng	96
55) Dibenzofuran	14.69	168	96218	10.379	ng	97
58) Fluorene	15.34	166	135808	18.104	ng	99
71) Phenanthrene	17.09	178	796255	71.595	ng	99
72) Anthracene	17.18	178	204781	18.914	ng	99
73) Carbazole	17.45	167	75921	7.469	ng	99
75) Fluoranthene	19.07	202	736088	50.299	ng	98
78) Pyrene	19.43	202	553940	48.157	ng	99
81) Benzo(a)anthracene	21.13	228	261245	23.955	ng	98
83) Chrysene	21.19	228	237259	22.324	ng	96
86) Indeno(1,2,3-cd)pyrene	25.64	276	117841	9.472	ng	98
88) Benzo(b)fluoranthene	22.72	252	280292	26.381	ng	97
89) Benzo(k)fluoranthene	22.76	252	103386m	9.980	ng	
90) Benzo(a)pyrene	23.29	252	193411	19.172	ng	# 97
91) Dibenzo(a,h)anthracene	25.64	278	31717	3.047	ng	# 93
92) Benzo(a,h,i)perylene	26.33	276	102247	9.881	ng	# 97

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

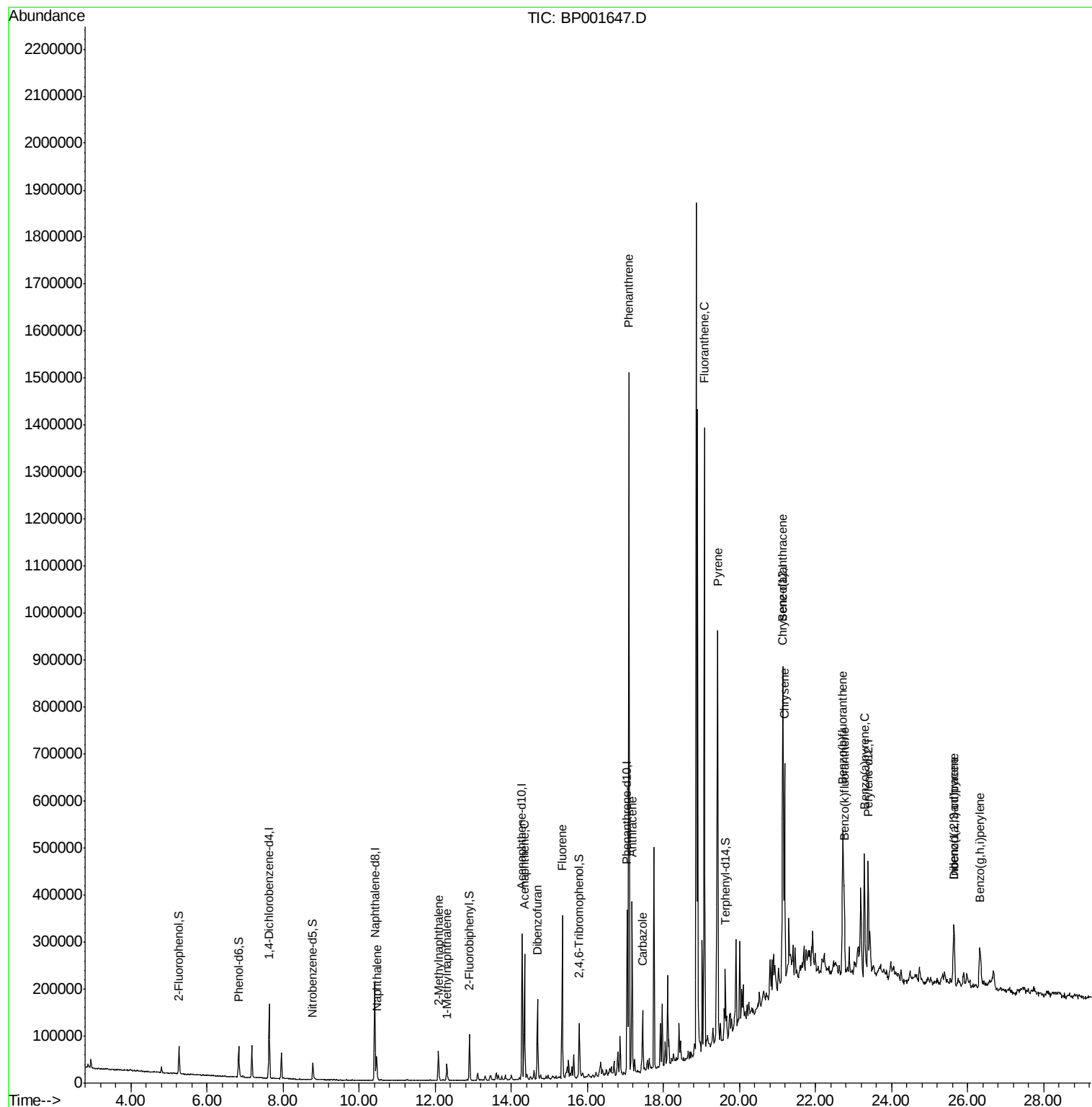
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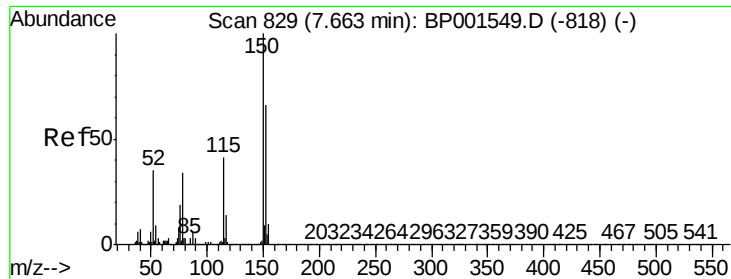
Instrument :
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ClientSampleId :
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Quant Time: Jan 17 06:22:34 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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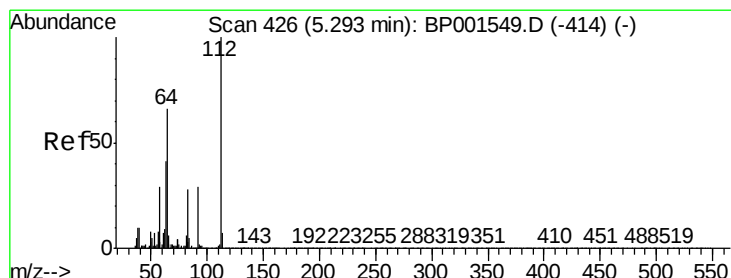
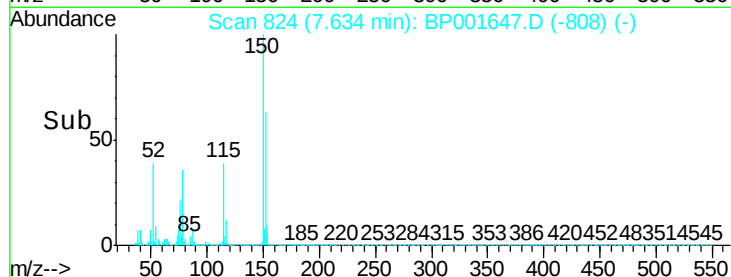
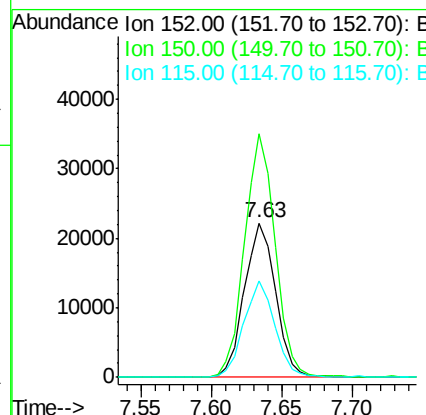
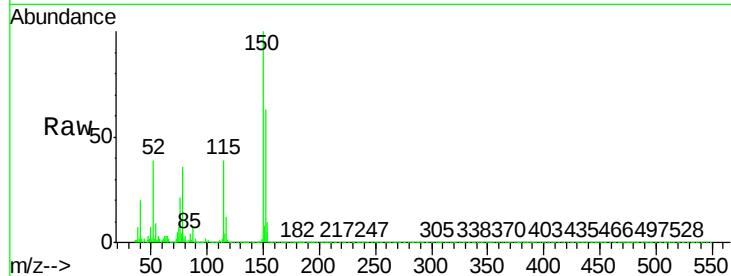
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.63 min Scan# 824
Delta R.T. -0.01 min
Lab File: BP001647.D
Acq: 17 Jan 2020 02:00

Instrument :
BNA_P
ClientSampleId :
BU-RO-234DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.9	122.0	183.0
115	62.1	50.7	76.1

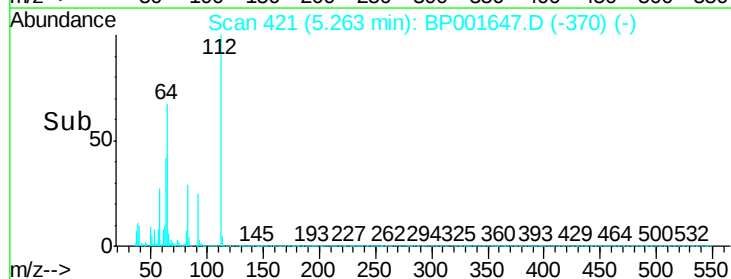
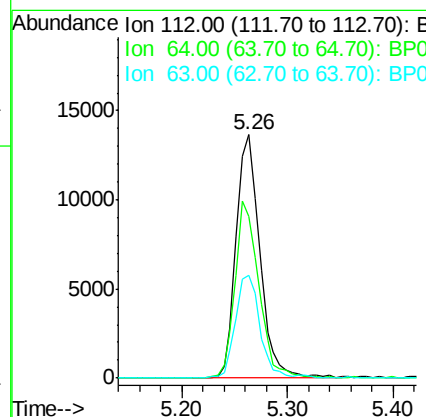
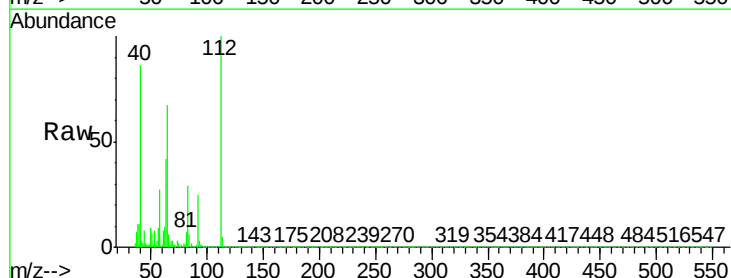
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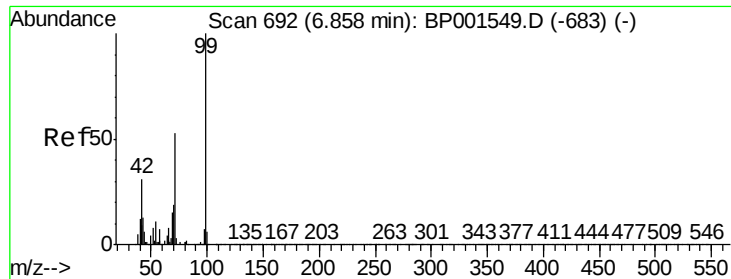
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#5
2-Fluorophenol
Concen: 12.086 ng
RT: 5.26 min Scan# 421
Delta R.T. -0.00 min
Lab File: BP001647.D
Acq: 17 Jan 2020 02:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.6	52.8	79.2
63	42.1	33.1	49.7





#7

Phenol-d6

Concen: 11.070 ng

RT: 6.83 min Scan# 688

Delta R.T. -0.00 min

Lab File: BP001647.D

Acq: 17 Jan 2020 02:00

Instrument :

BNA_P

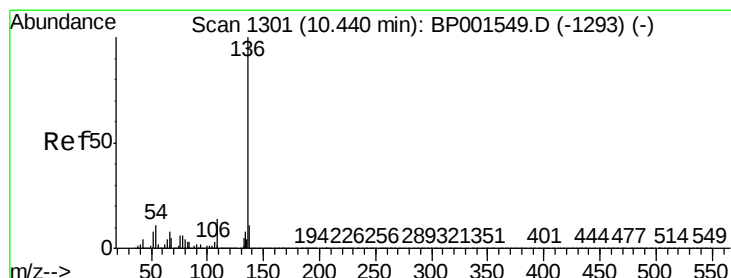
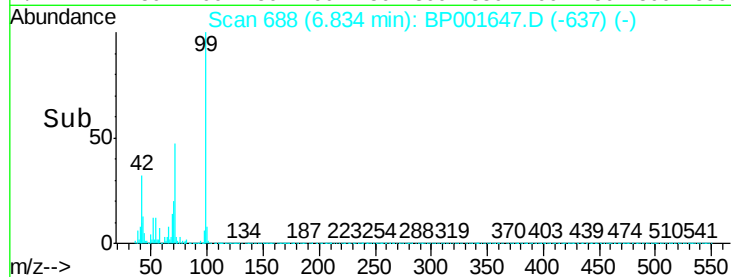
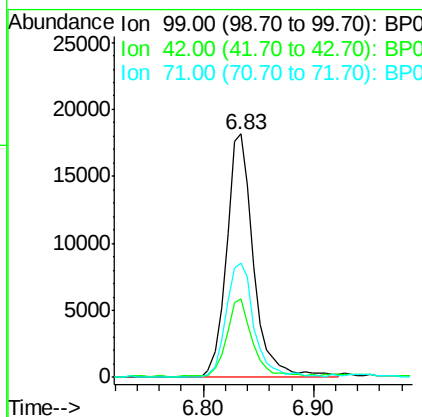
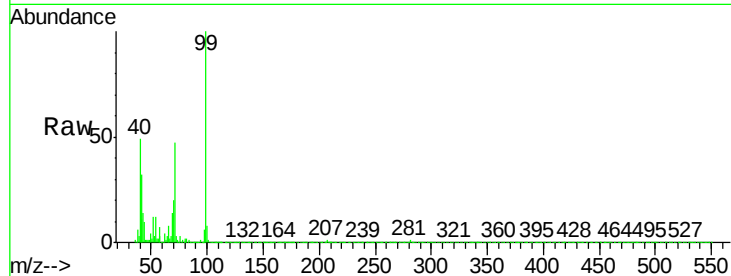
ClientSampleId :

BU-RO-234DL

Tot Ion:	99	Resp:	31142
Ion Ratio	Lower	Upper	
99	100		
42	32.2	24.5	36.7
71	46.9	42.4	63.6

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#21

Naphthalene-d8

Concen: 20.000 ng

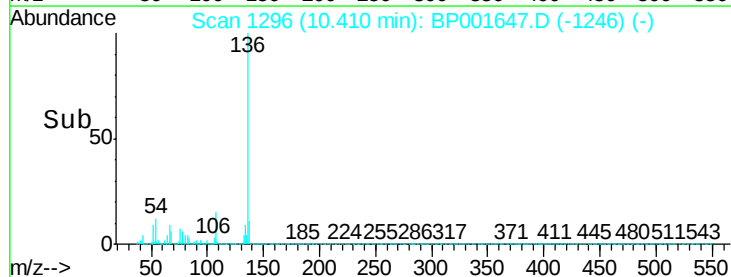
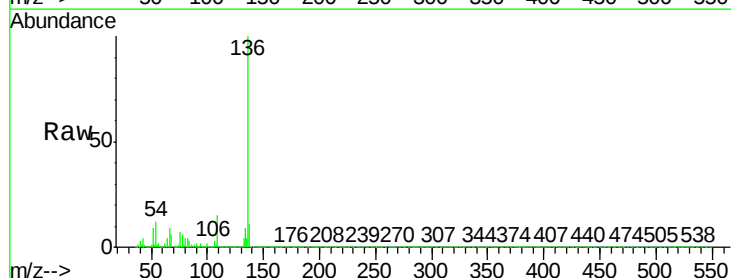
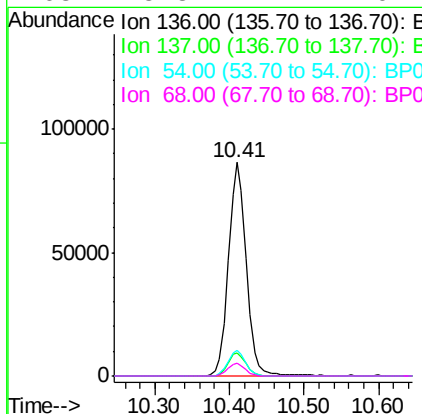
RT: 10.41 min Scan# 1296

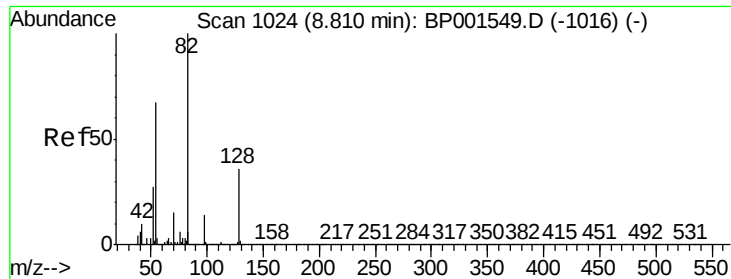
Delta R.T. -0.01 min

Lab File: BP001647.D

Acq: 17 Jan 2020 02:00

Tgt Ion:	136	Resp:	144671
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.6	12.8
54	11.9	9.2	13.8
68	5.8	4.1	6.1





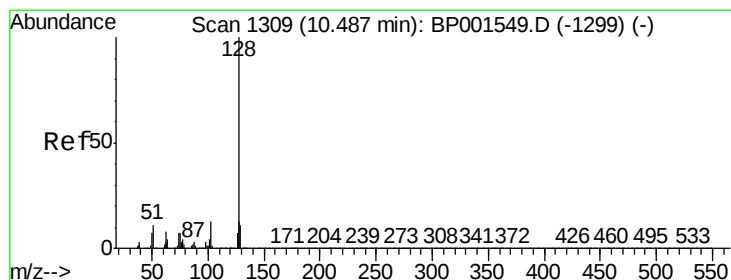
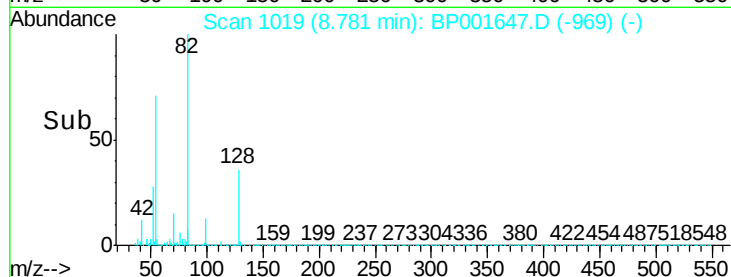
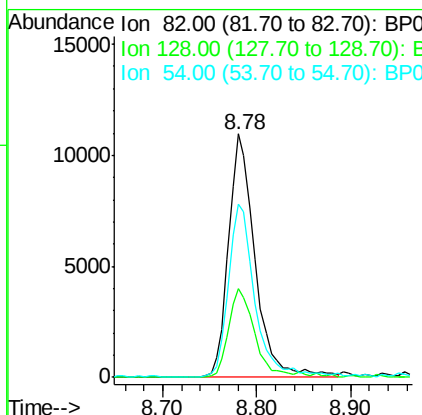
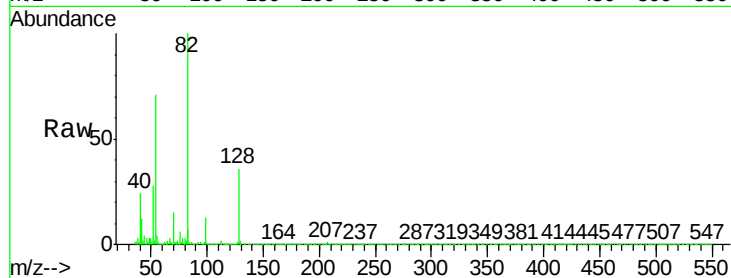
#23
Nitrobenzene-d5
Concen: 6.523 ng
RT: 8.78 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BP001647.D
Acq: 17 Jan 2020 02:00

Instrument :
BNA_P
ClientSampleId :
BU-RO-234DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	36.2	28.4	42.6
54	70.9	53.4	80.2

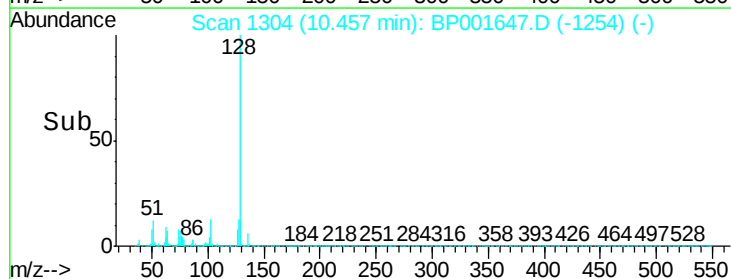
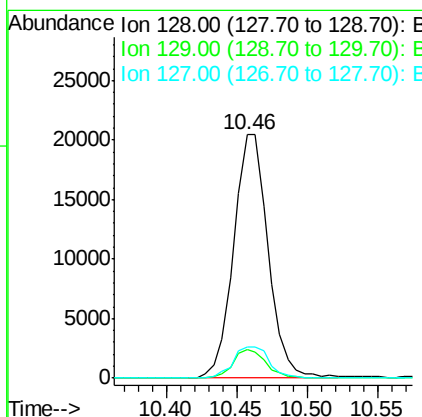
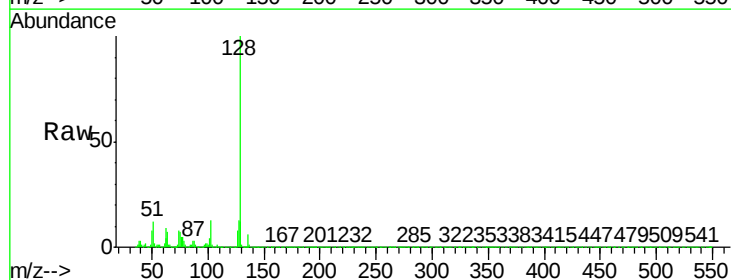
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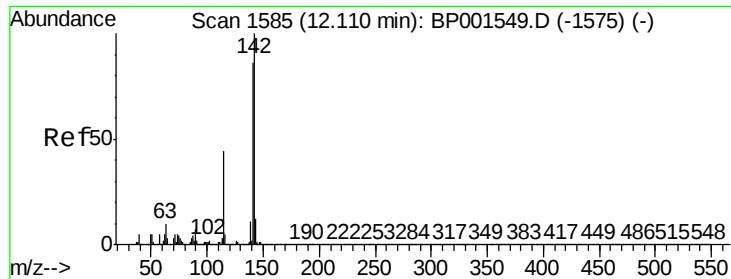
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#31
Naphthalene
Concen: 4.563 ng
RT: 10.46 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BP001647.D
Acq: 17 Jan 2020 02:00

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.9	8.9	13.3
127	12.7	10.6	16.0





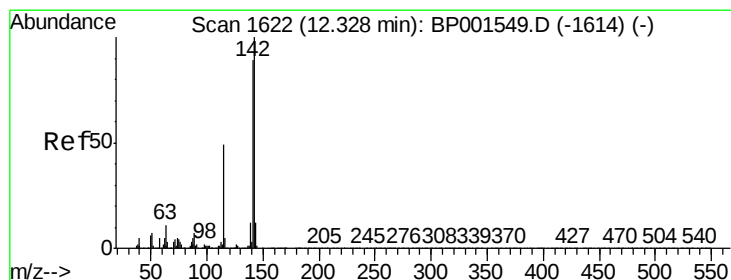
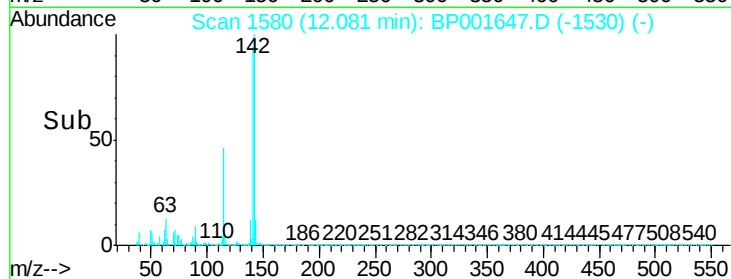
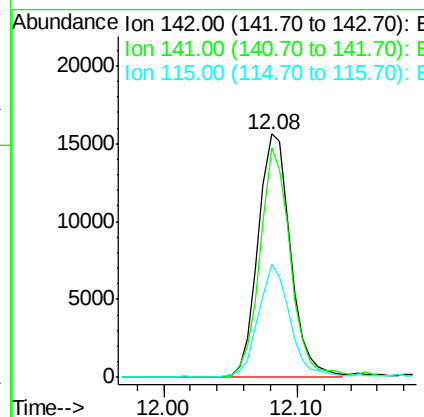
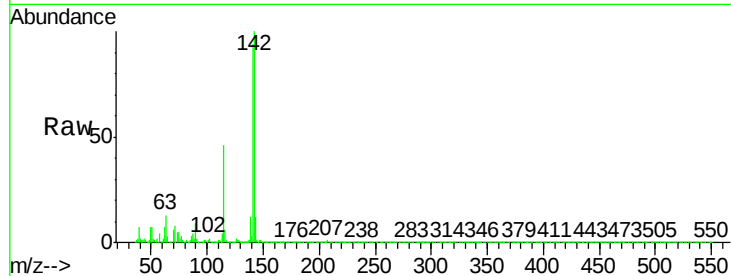
#37
2-Methylnaphthalene
Concen: 4.307 ng
RT: 12.08 min Scan# 1580
Delta R.T. -0.01 min
Lab File: BP001647.D
Acq: 17 Jan 2020 02:00

Instrument :
BNA_P
ClientSampleId :
BU-RO-234DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	94.1	68.4	102.6
115	46.3	35.1	52.7

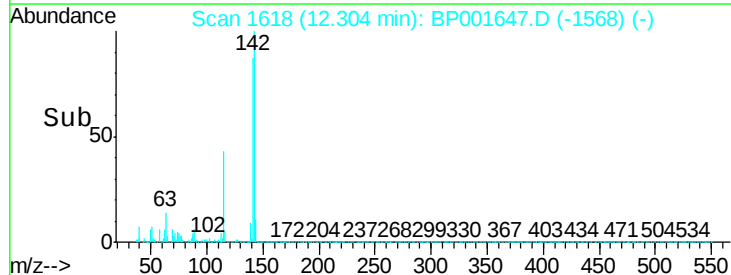
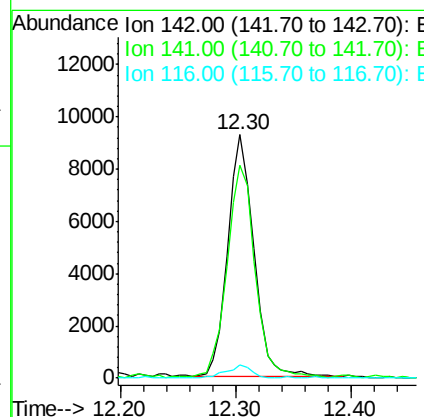
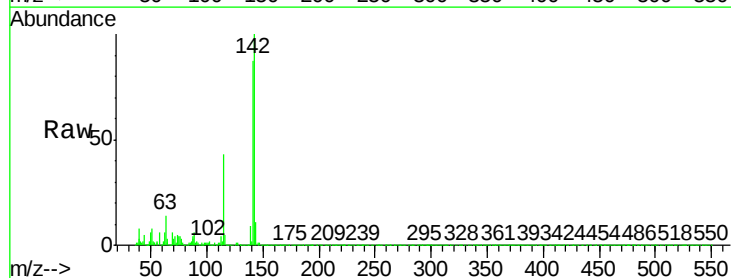
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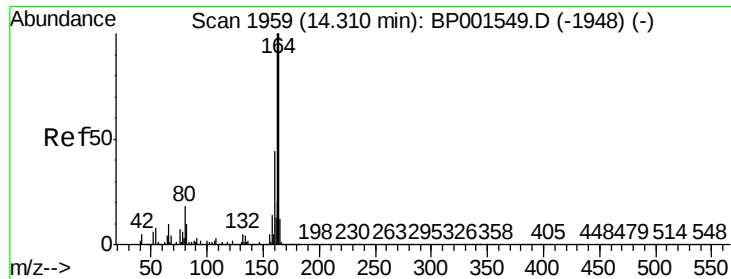
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#38
1-Methylnaphthalene
Concen: 2.486 ng
RT: 12.30 min Scan# 1618
Delta R.T. -0.01 min
Lab File: BP001647.D
Acq: 17 Jan 2020 02:00

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.4	70.9	106.3
116	5.3	4.1	6.1





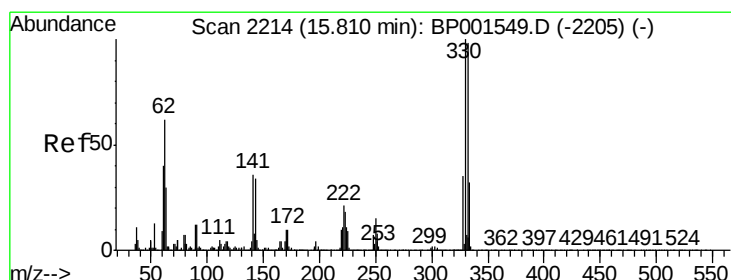
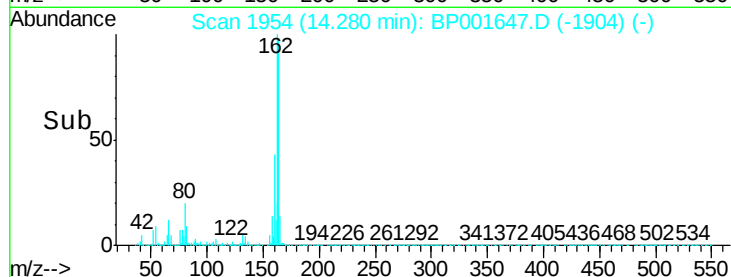
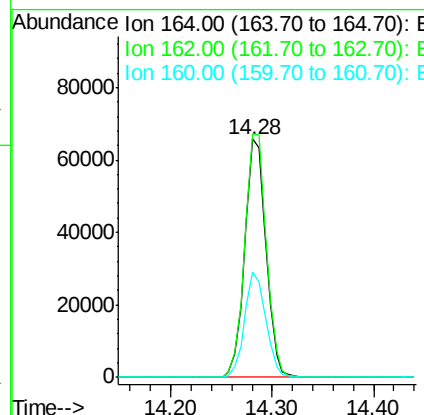
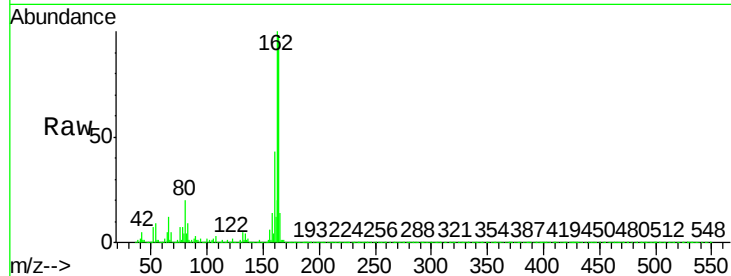
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.28 min Scan# 1954
Delta R.T. -0.01 min
Lab File: BP001647.D
Acq: 17 Jan 2020 02:00

Instrument :
BNA_P
ClientSampleId :
BU-RO-234DL

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.3	79.8	119.6
160	44.1	35.0	52.6

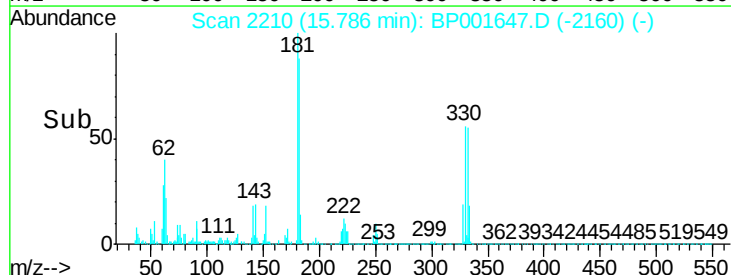
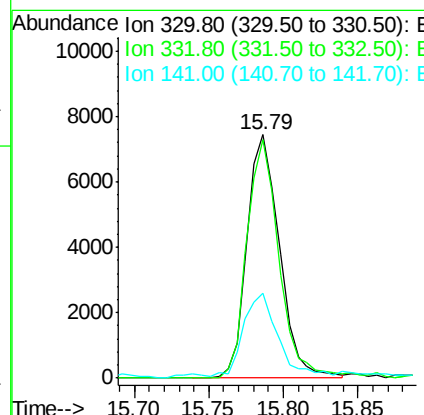
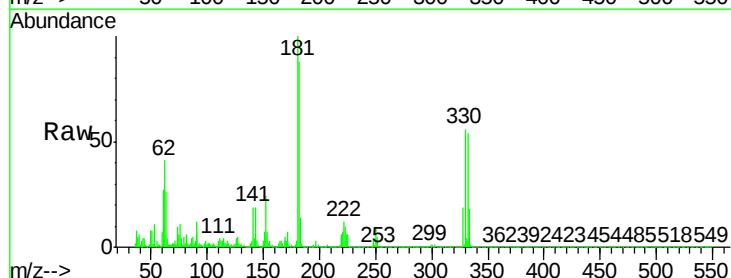
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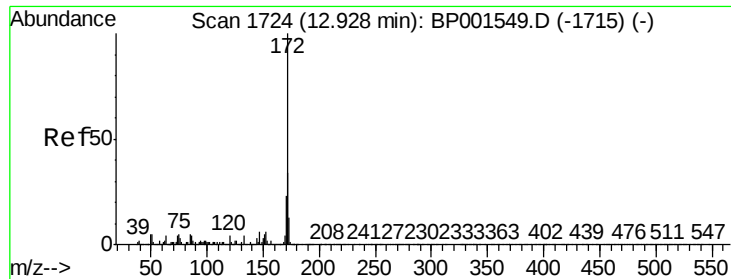
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#42
2,4,6-Tribromophenol
Concen: 7.664 ng
RT: 15.79 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BP001647.D
Acq: 17 Jan 2020 02:00

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.8	77.8	116.6
141	35.3	28.7	43.1





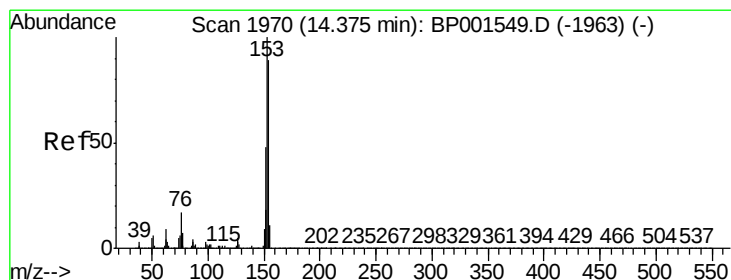
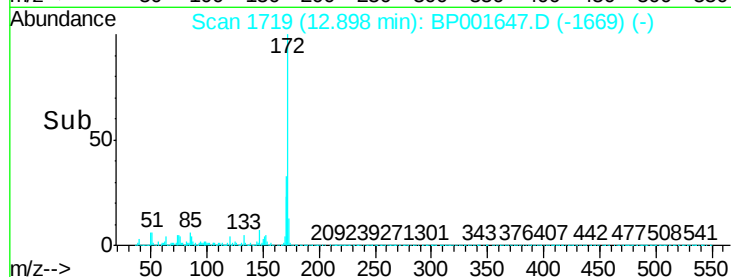
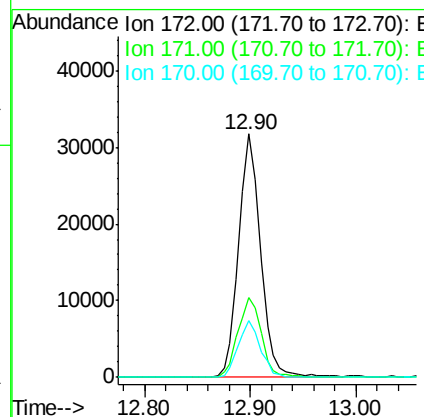
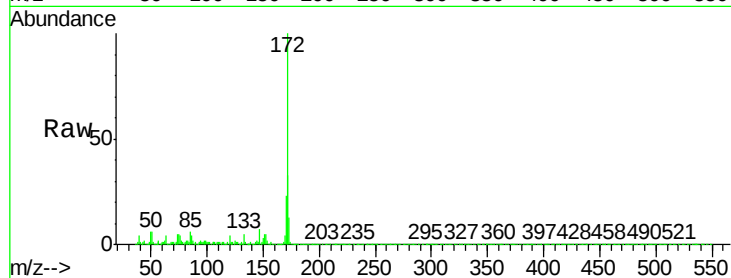
#45
2-Fluorobiphenyl
Concen: 6.959 ng
RT: 12.90 min Scan# 1719
Delta R.T. -0.01 min
Lab File: BP001647.D
Acq: 17 Jan 2020 02:00

Instrument :
BNA_P
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BU-RO-234DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	32.8	27.6	41.4
170	23.0	18.3	27.5

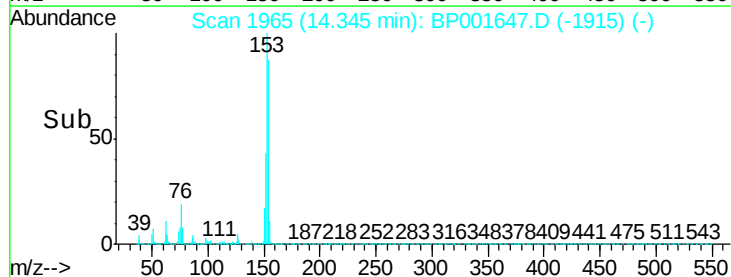
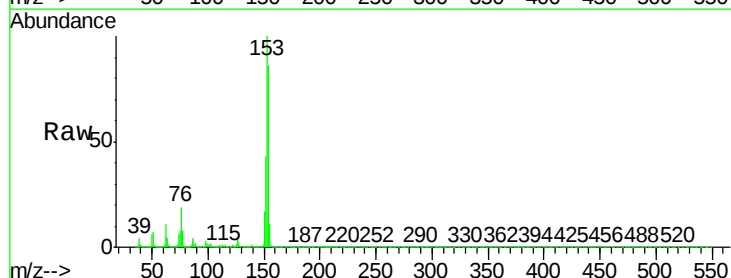
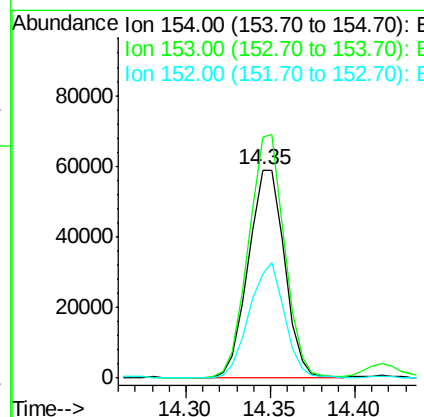
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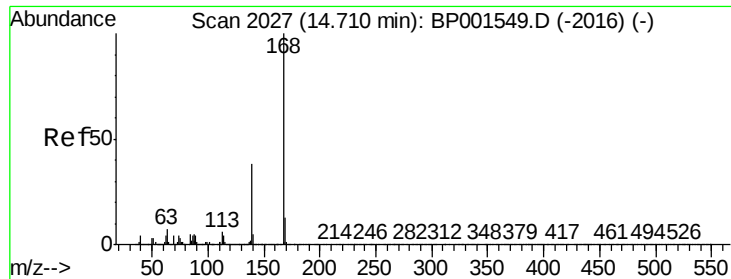
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#52
Acenaphthene
Concen: 16.089 ng
RT: 14.35 min Scan# 1965
Delta R.T. -0.01 min
Lab File: BP001647.D
Acq: 17 Jan 2020 02:00

Tgt Ion	Ratio	Lower	Upper
154	100		
153	115.6	89.4	134.2
152	50.0	42.6	64.0





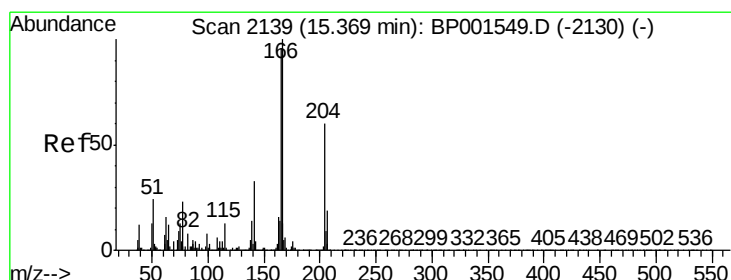
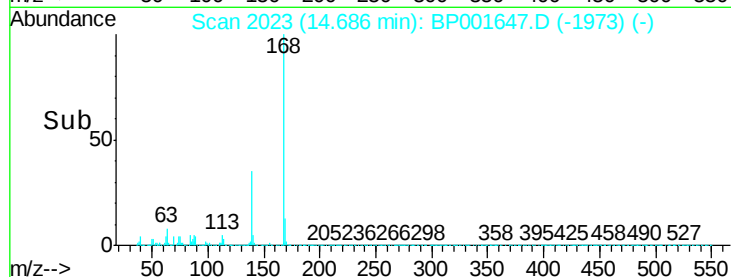
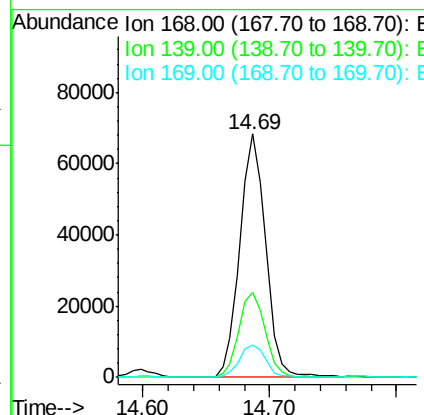
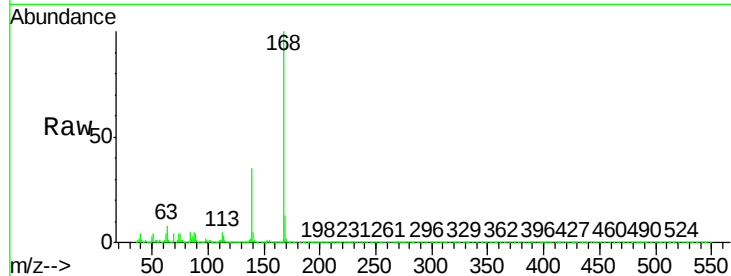
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Dibenzenofuran
Concen: 10.379 ng
RT: 14.69 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BP001647.D
Acq: 17 Jan 2020 02:00

Instrument :
BNA_P
ClientSampleId :
BU-RO-234DL

Tot Ion	Ratio	Lower	Upper
168	100		
139	35.1	30.2	45.4
169	13.3	10.6	16.0

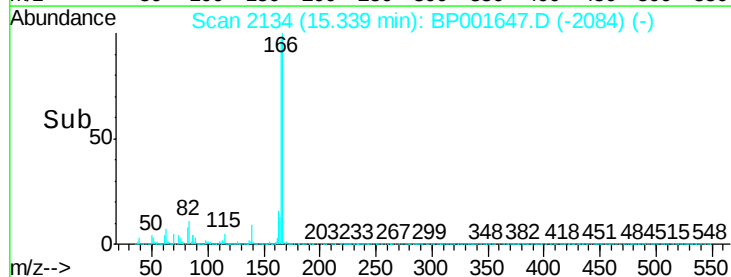
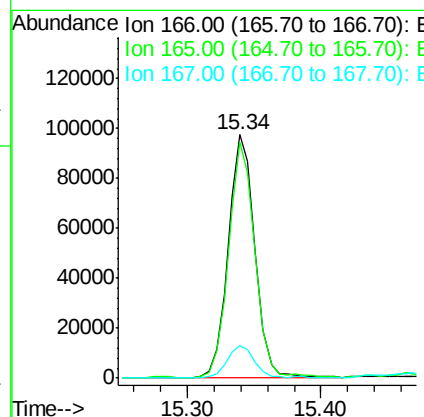
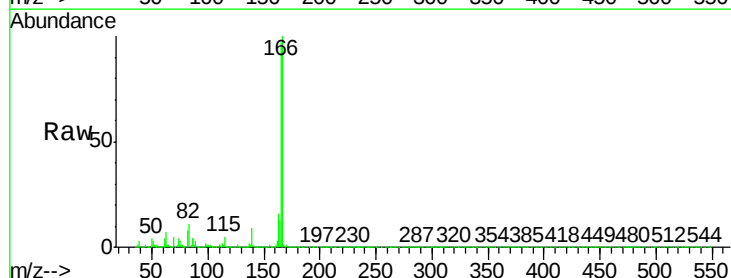
Manual Integrations
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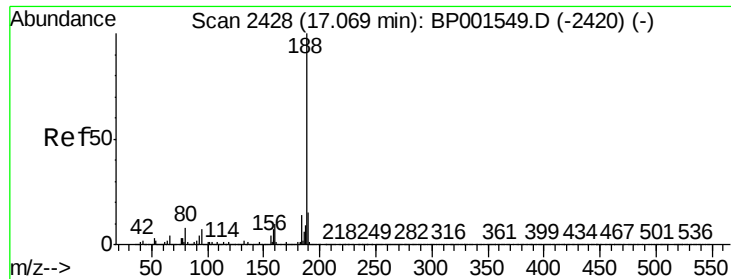
mohammad
1/17/2020 2:09:00 PM



#58
Fluorene
Concen: 18.104 ng
RT: 15.34 min Scan# 2134
Delta R.T. -0.01 min
Lab File: BP001647.D
Acq: 17 Jan 2020 02:00

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.8	76.9	115.3
167	13.4	10.3	15.5





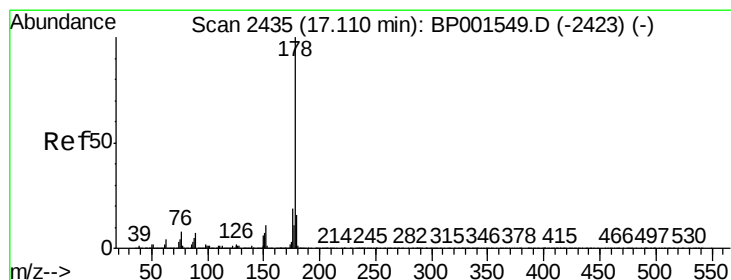
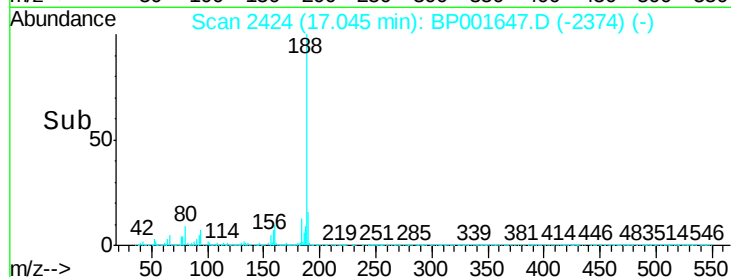
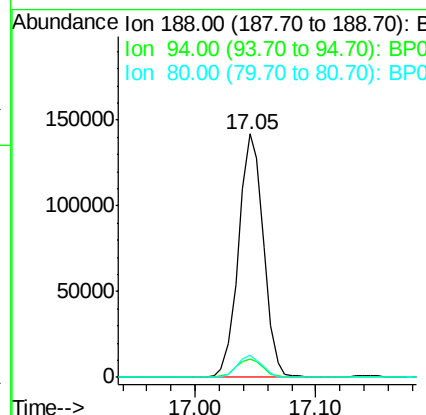
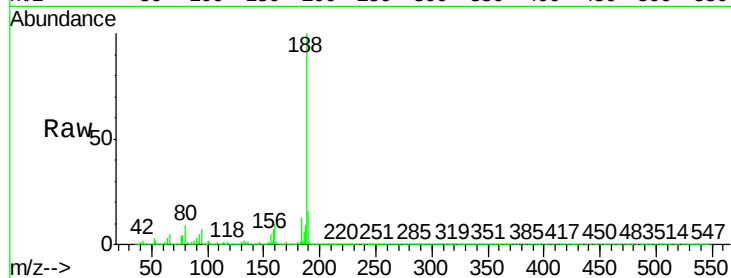
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.05 min Scan# 2424
Delta R.T. -0.01 min
Lab File: BP001647.D
Acq: 17 Jan 2020 02:00

Instrument :
BNA_P
ClientSampleId :
BU-RO-234DL

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	7.4	5.9	8.9
80	9.0	6.8	10.2

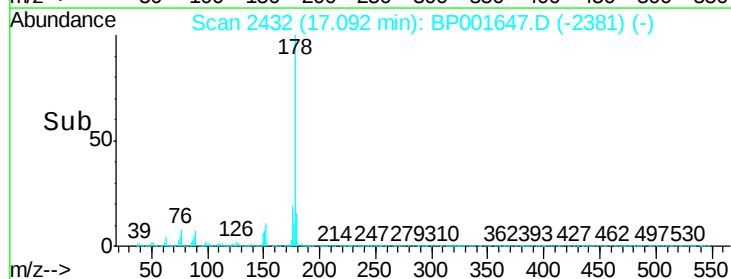
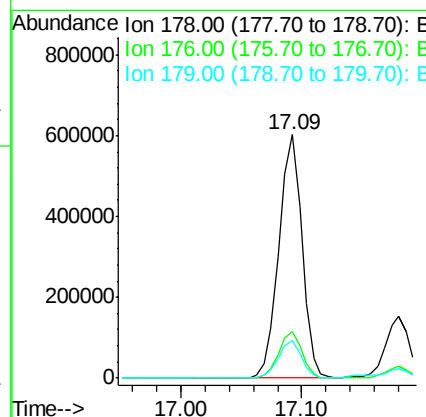
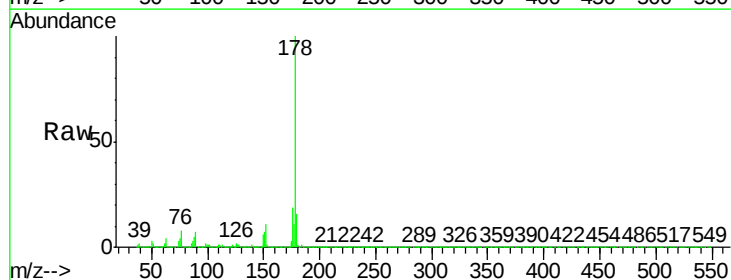
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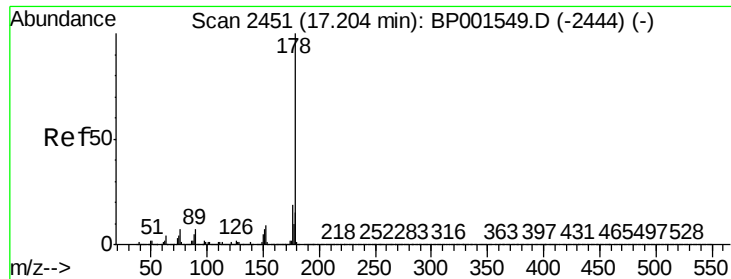
mohammad
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#71
Phenanthrene
Concen: 71.595 ng
RT: 17.09 min Scan# 2432
Delta R.T. -0.00 min
Lab File: BP001647.D
Acq: 17 Jan 2020 02:00

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.0	14.9	22.3
179	15.6	12.5	18.7





#72

Anthracene

Concen: 18.914 ng

RT: 17.18 min Scan# 2447

Delta R.T. -0.01 min

Lab File: BP001647.D

Acq: 17 Jan 2020 02:00

Instrument :

BNA_P

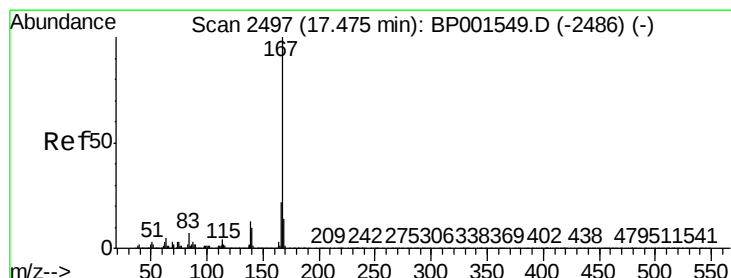
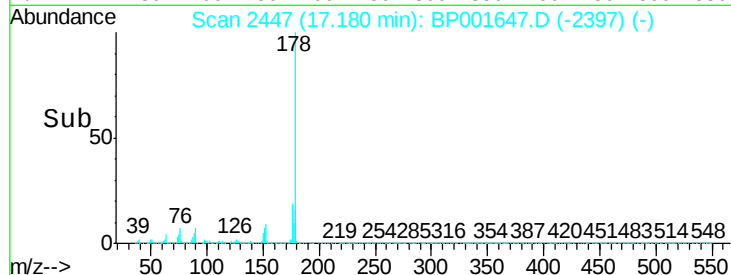
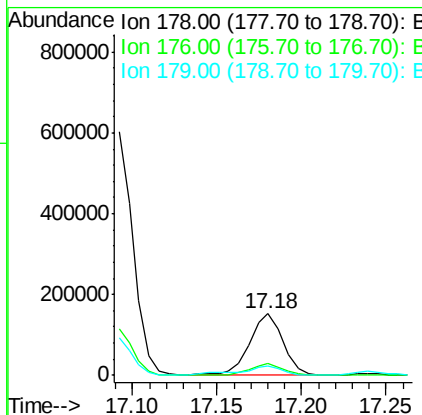
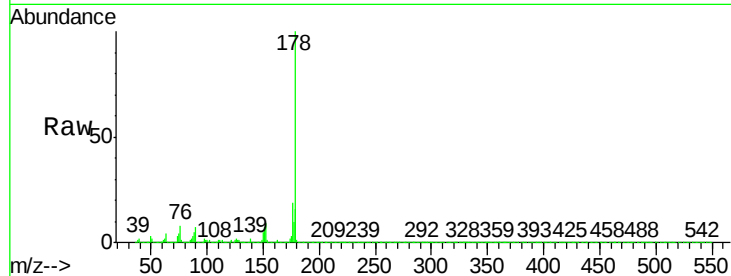
ClientSampleId :

BU-RO-234DL

Tot Ion:	178	Resp:	204781
Ion Ratio	Lower	Upper	
178	100		
176	18.7	15.0	22.6
179	15.7	11.8	17.8

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#73

Carbazole

Concen: 7.469 ng

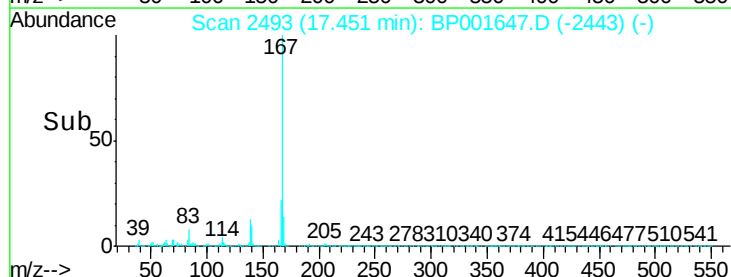
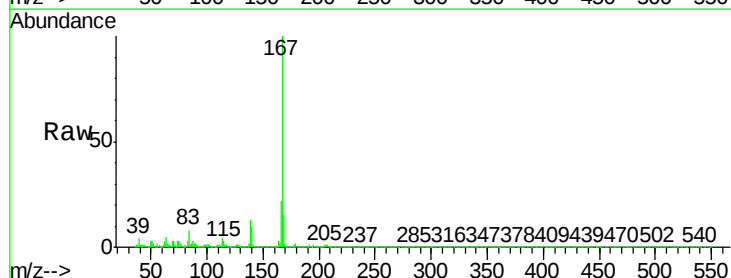
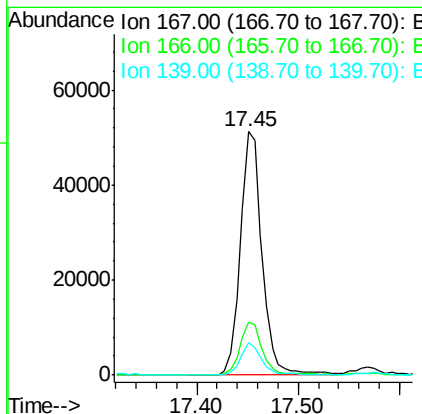
RT: 17.45 min Scan# 2493

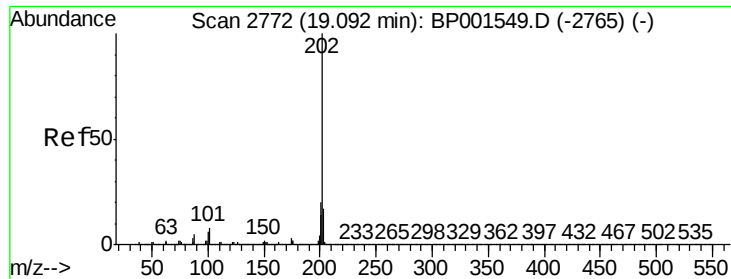
Delta R.T. -0.01 min

Lab File: BP001647.D

Acq: 17 Jan 2020 02:00

Tgt Ion:	167	Resp:	75921
Ion Ratio	Lower	Upper	
167	100		
166	21.8	17.2	25.8
139	13.5	10.0	15.0





#75

Fluoranthene

Concen: 50.299 ng

RT: 19.07 min Scan# 2769

Delta R.T. -0.00 min

Lab File: BP001647.D

Acq: 17 Jan 2020 02:00

Instrument :

BNA_P

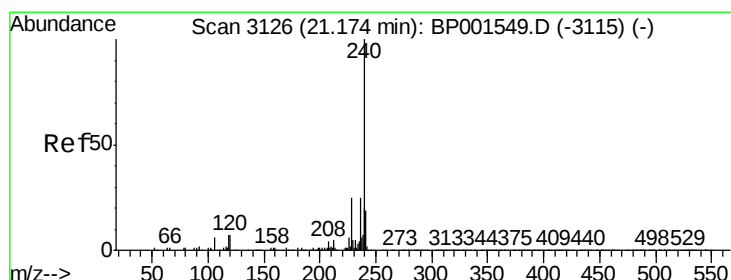
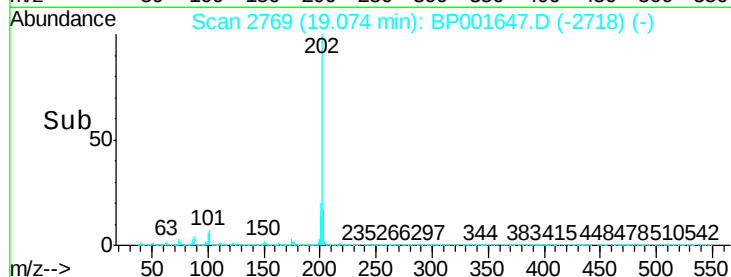
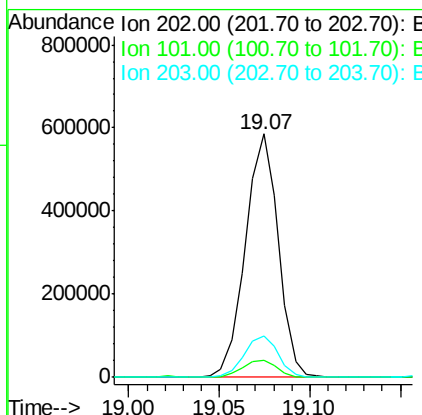
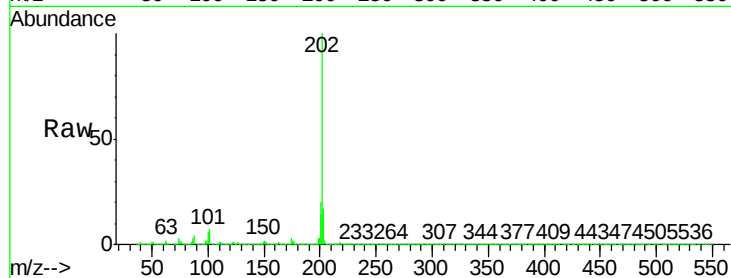
ClientSampleId :

BU-RO-234DL

Tot Ion:	202	Resp:	736088
Ion Ratio	Lower	Upper	
202	100		
101	7.2	0.0	28.4
203	16.9	0.0	37.4

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#76

Chrysene-d12

Concen: 20.000 ng

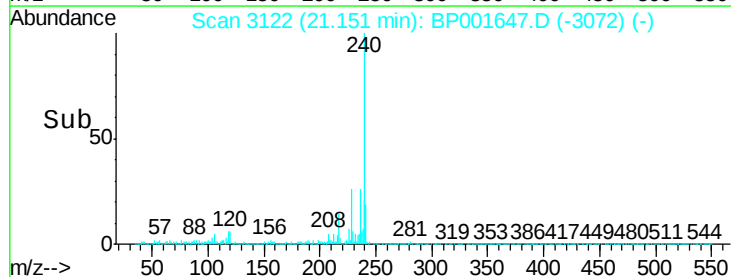
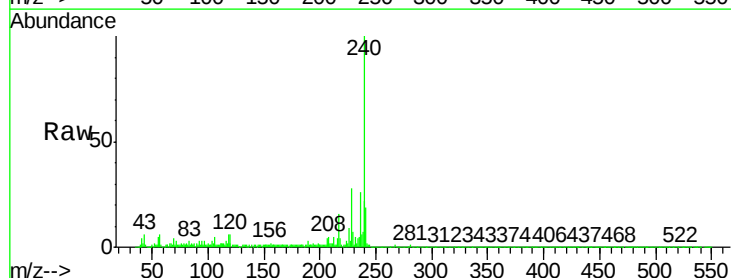
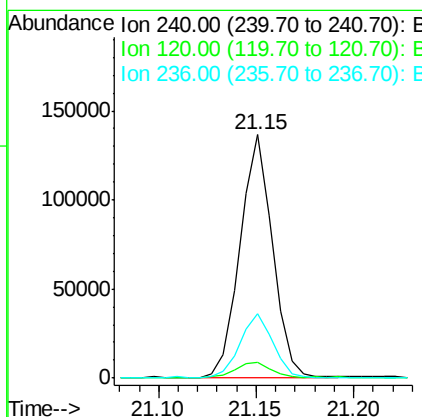
RT: 21.15 min Scan# 3122

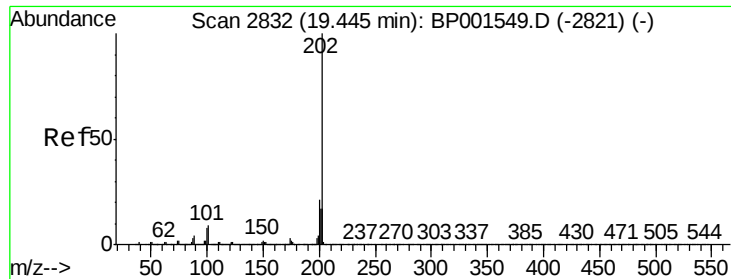
Delta R.T. -0.01 min

Lab File: BP001647.D

Acq: 17 Jan 2020 02:00

Tgt Ion:	240	Resp:	156589
Ion Ratio	Lower	Upper	
240	100		
120	6.5	5.7	8.5
236	26.4	20.4	30.6





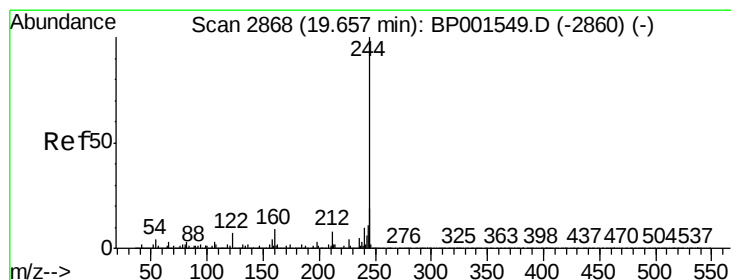
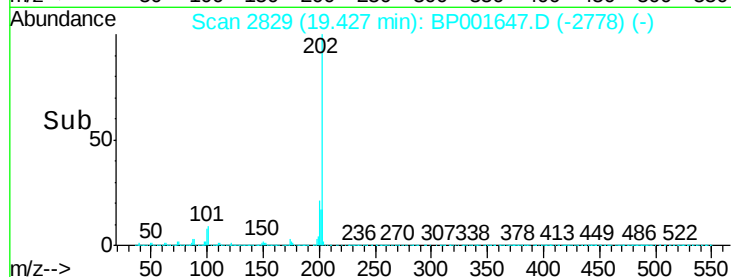
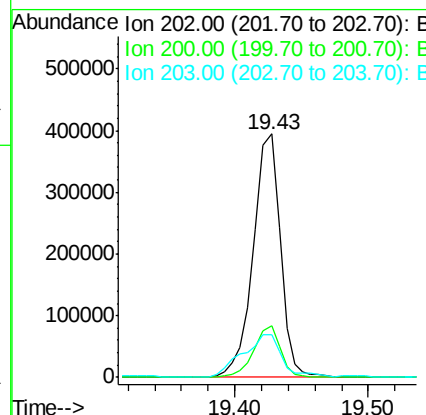
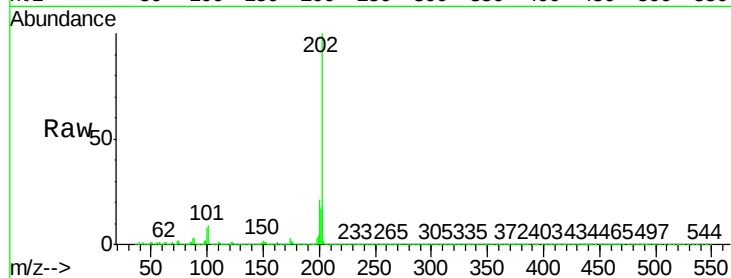
#78
Pvrene
Concen: 48.157 ng
RT: 19.43 min Scan# 2829
Delta R.T. -0.00 min
Lab File: BP001647.D
Acq: 17 Jan 2020 02:00

Instrument :
BNA_P
ClientSampleId :
BU-RO-234DL

Tot Ion:	202	Resp:	553940
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.0	25.6
203	17.6	13.7	20.5

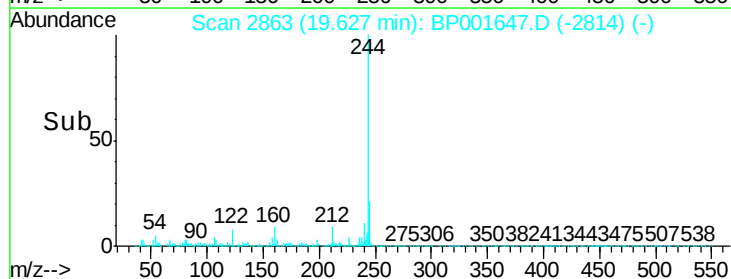
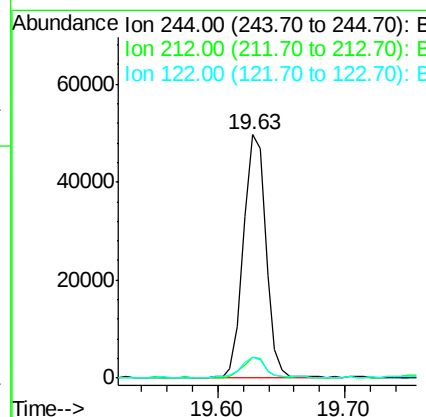
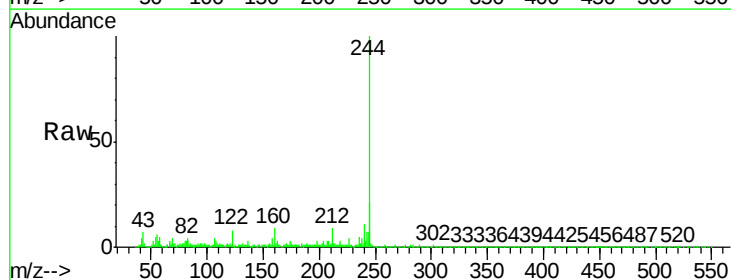
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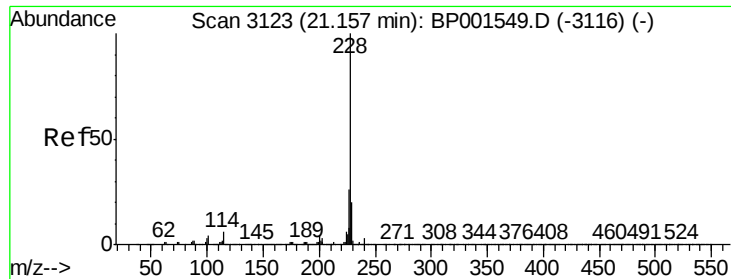
mohammad
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#79
Terphenyl-d14
Concen: 7.120 ng
RT: 19.63 min Scan# 2863
Delta R.T. -0.01 min
Lab File: BP001647.D
Acq: 17 Jan 2020 02:00

Tgt Ion:	244	Resp:	60960
Ion Ratio	Lower	Upper	
244	100		
212	8.7	6.3	9.5
122	8.5	5.8	8.6





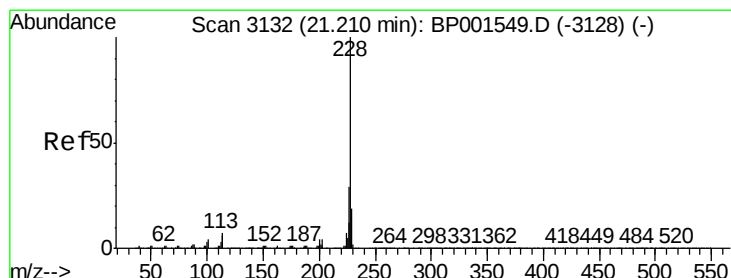
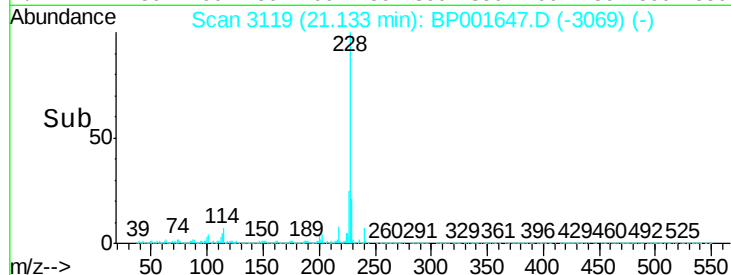
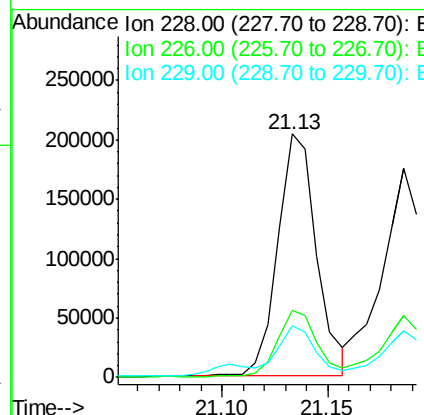
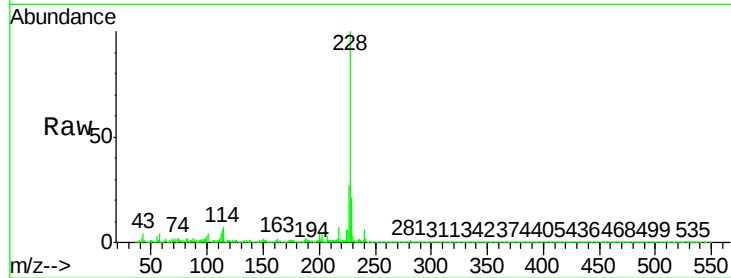
#81
Benzo(a)anthracene
Concen: 23.955 ng
RT: 21.13 min Scan# 3119
Delta R.T. -0.01 min
Lab File: BP001647.D
Acq: 17 Jan 2020 02:00

Instrument :
BNA_P
ClientSampleId :
BU-RO-234DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.2	31.8
229	21.0	16.1	24.1

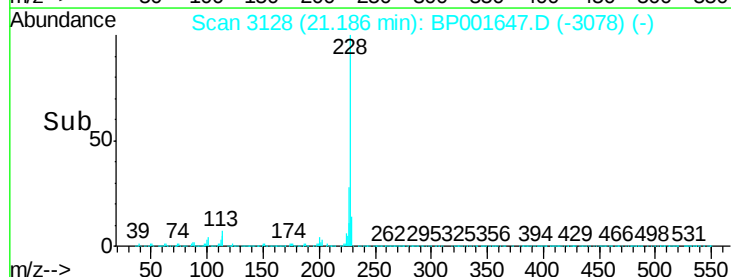
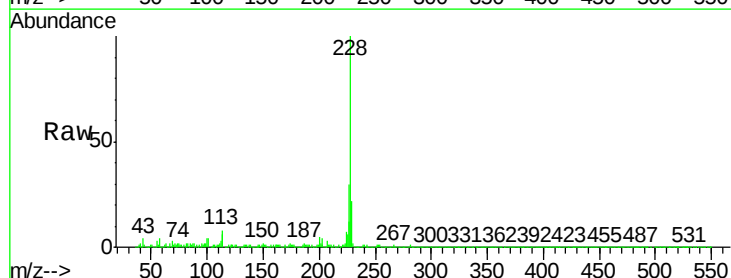
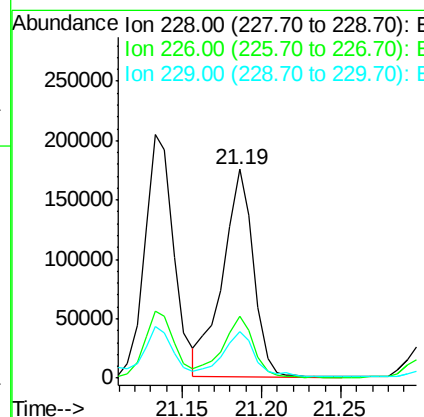
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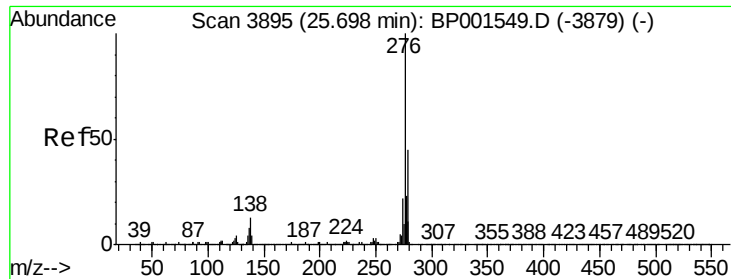
mohammad
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#83
Chrysene
Concen: 22.324 ng
RT: 21.19 min Scan# 3128
Delta R.T. -0.01 min
Lab File: BP001647.D
Acq: 17 Jan 2020 02:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.2	34.8
229	22.0	15.2	22.8





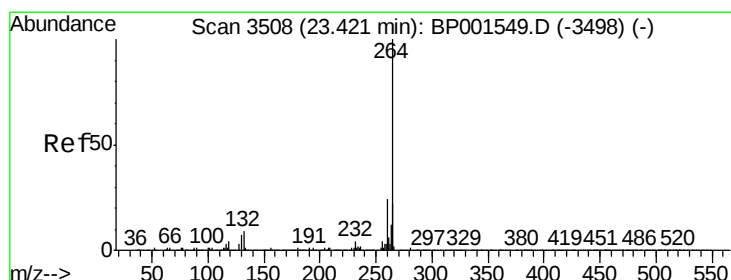
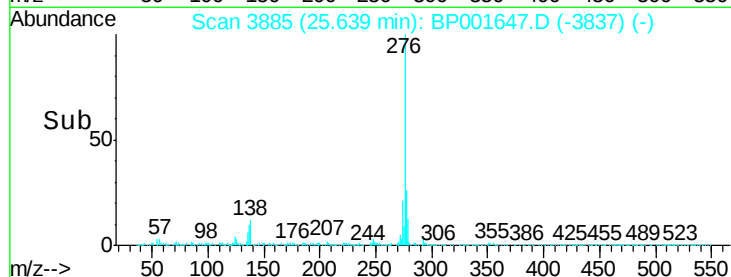
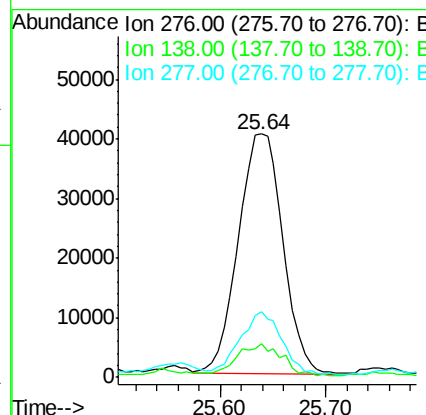
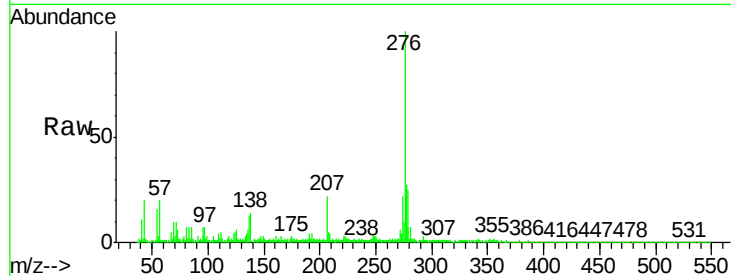
#86
Indeno(1,2,3-cd)pyrene
Concen: 9.472 ng
RT: 25.64 min Scan# 3885
Delta R.T. -0.02 min
Lab File: BP001647.D
Acq: 17 Jan 2020 02:00

Instrument :
BNA_P
ClientSampleId :
BU-RO-234DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	13.2	11.1	16.7
277	24.1	20.4	30.6

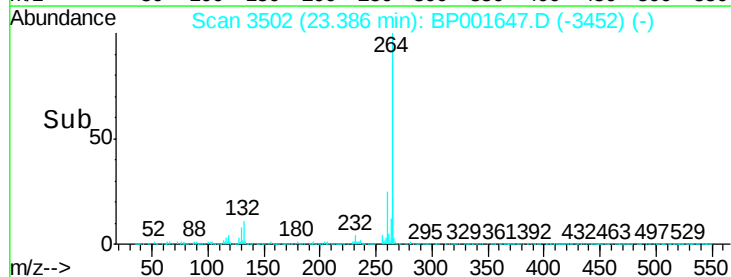
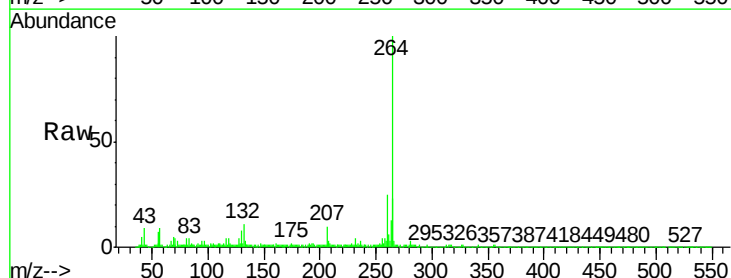
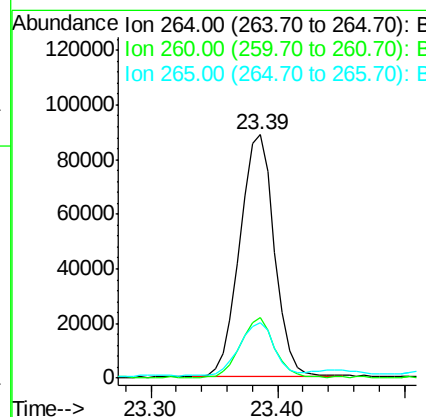
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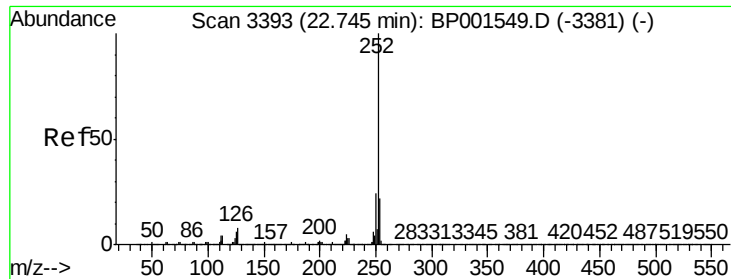
mohammad
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#87
Perylene-d12
Concen: 20.000 ng
RT: 23.39 min Scan# 3502
Delta R.T. -0.01 min
Lab File: BP001647.D
Acq: 17 Jan 2020 02:00

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.0	28.6
265	22.9	18.2	27.4





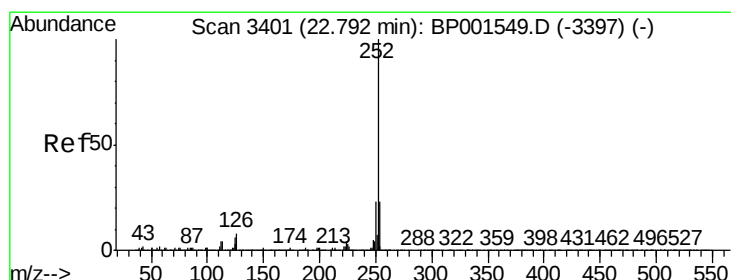
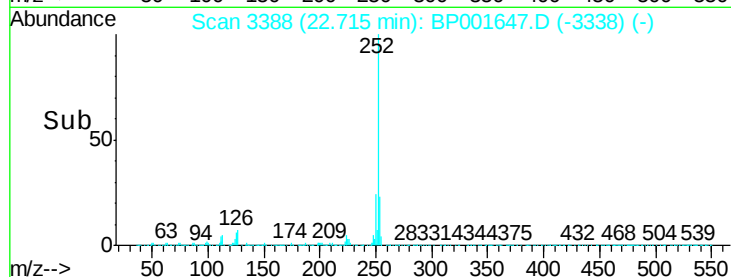
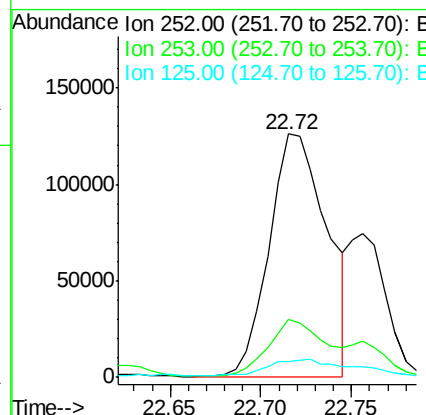
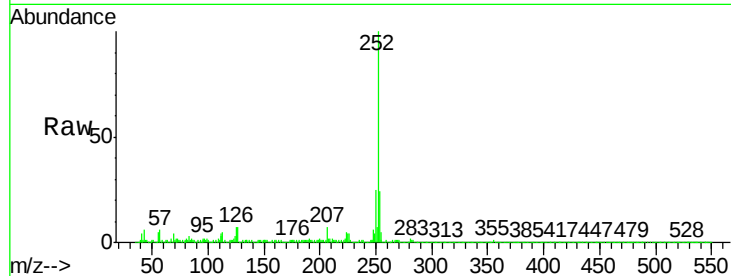
#88
Benzo(b)fluoranthene
Concen: 26.381 ng
RT: 22.72 min Scan# 3388
Delta R.T. -0.01 min
Lab File: BP001647.D
Acq: 17 Jan 2020 02:00

Instrument :
BNA_P
ClientSampleId :
BU-RO-234DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.6	26.4
125	6.6	4.6	7.0

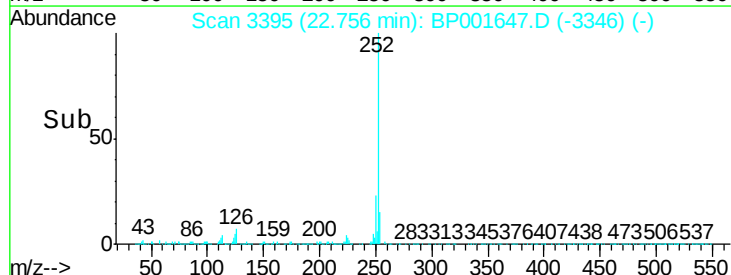
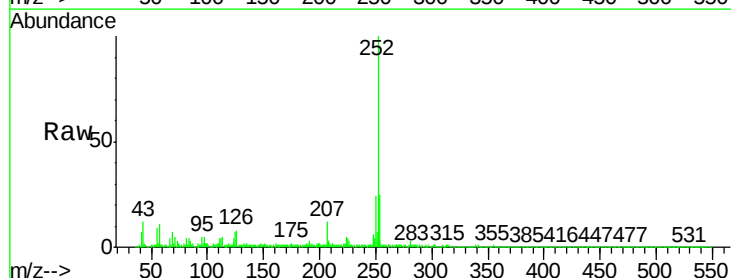
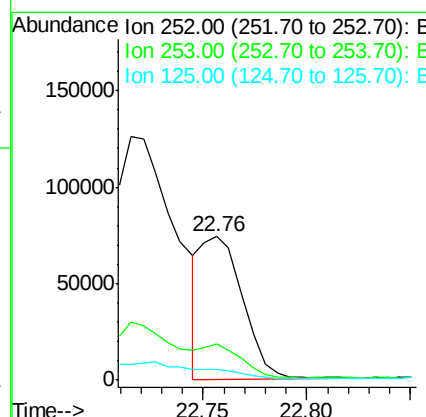
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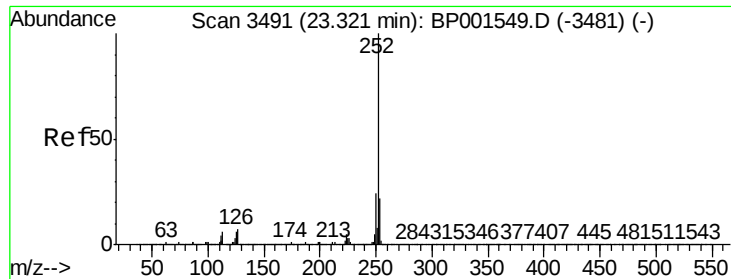
mohammad
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#89
Benzo(k)fluoranthene
Concen: 9.980 ng m
RT: 22.76 min Scan# 3395
Delta R.T. -0.01 min
Lab File: BP001647.D
Acq: 17 Jan 2020 02:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.2	27.2
125	7.2	4.6	6.8#





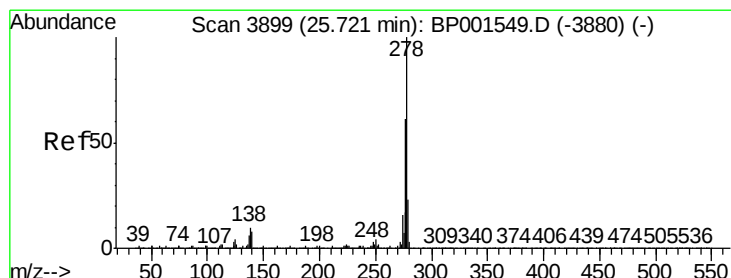
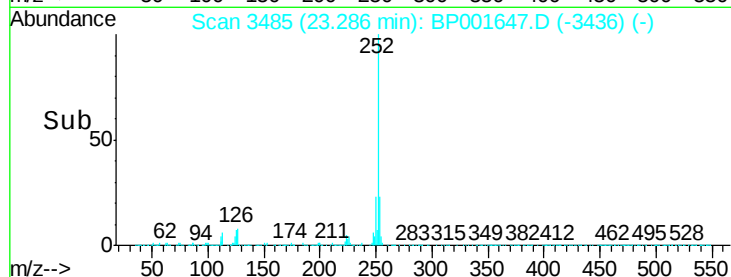
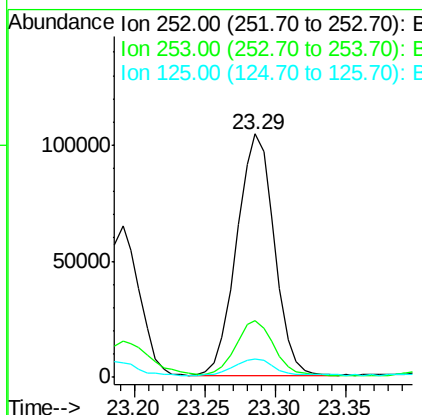
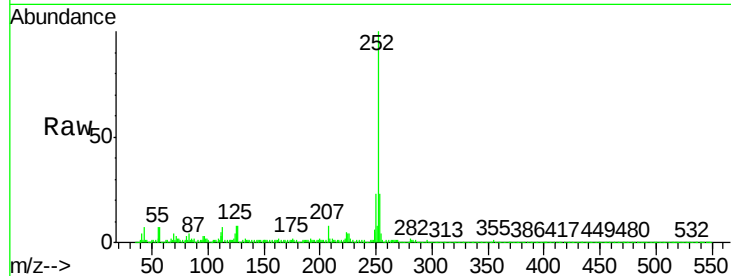
#90
Benzo(a)pyrene
Concen: 19.172 ng
RT: 23.29 min Scan# 3485
Delta R.T. -0.01 min
Lab File: BP001647.D
Acq: 17 Jan 2020 02:00

Instrument :
BNA_P
ClientSampleId :
BU-RO-234DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.6	26.4
125	7.6	5.0	7.4

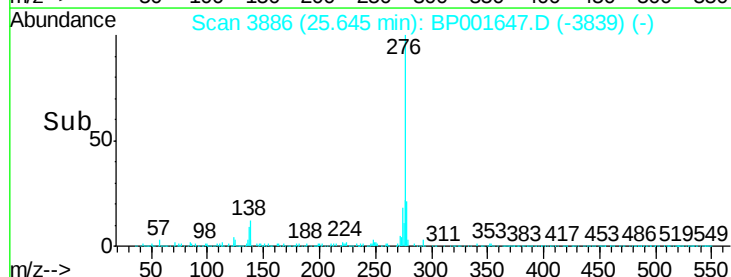
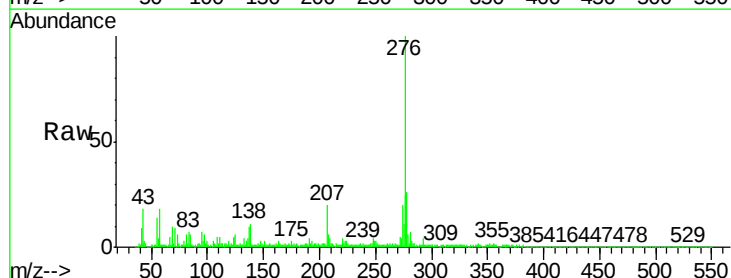
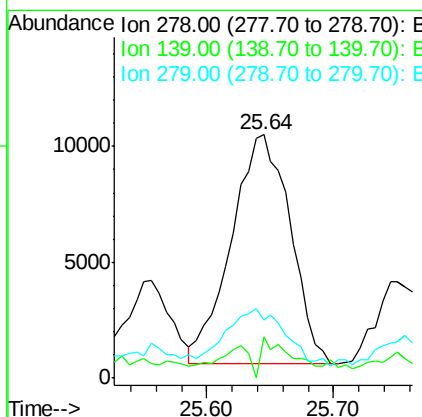
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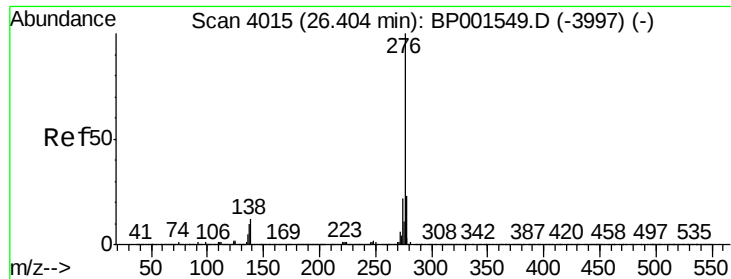
mohammad
1/17/2020 2:09:00 PM



#91
Dibenzo(a,h)anthracene
Concen: 3.047 ng
RT: 25.64 min Scan# 3886
Delta R.T. -0.02 min
Lab File: BP001647.D
Acq: 17 Jan 2020 02:00

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.9	6.7	10.1
279	24.0	18.6	28.0





#92
 Benzo(a,h,i)perylene
 Concen: 9.881 ng
 RT: 26.33 min Scan# 4002
 Delta R.T. -0.01 min
 Lab File: BP001647.D
 Acq: 17 Jan 2020 02:00

Instrument :
 BNA_P
 ClientSampleId :
 BU-RO-234DL

Tot Ion:	276	Resp:	102247
Ion Ratio	Lower	Upper	
276	100		
277	23.0	18.6	28.0
138	14.6	9.4	14.2#

Manual Integrations
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 1/17/2020 2:09:00 PM

