

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP111119\
 Data File : BP001034.D
 Acq On : 12 Nov 2019 00:08
 Operator : JU
 Sample : K5673-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PL-05-110819

Manual Integrations
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Quant Time: Nov 12 06:56:15 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP110619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 06 17:07:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.38	152	216486	20.00	ng	0.00
21) Naphthalene-d8	10.40	136	758433	20.00	ng	0.00
39) Acenaphthene-d10	13.26	164	404240	20.00	ng	0.00
64) Phenanthrene-d10	15.66	188	771666	20.00	ng	0.00
76) Chrysene-d12	19.30	240	621313	20.00	ng	0.00
87) Perylene-d12	21.09	264	571869	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.30	112	993480	83.53	ng	0.00
7) Phenol-d6	7.82	99	1309481	87.07	ng	0.00
23) Nitrobenzene-d5	9.25	82	781285	56.98	ng	0.00
42) 2,4,6-Tribromophenol	14.56	330	449806	93.21	ng	0.00
45) 2-Fluorobiphenyl	12.18	172	1638511	61.05	ng	0.00
79) Terphenyl-d14	17.95	244	1947498	62.35	ng	0.00
Target Compounds						
10) Phenol	7.83	94	80998	4.924	ng	93
49) Acenaphthylene	13.03	152	142919	3.864	ng	96
50) Dimethylphthalate	12.85	163	112723	3.771	ng	# 98
52) Acenaphthene	13.32	154	46830	2.117	ng	94
58) Fluorene	14.16	166	92283	3.355	ng	96
71) Phenanthrene	15.70	178	690379	17.480	ng	100
72) Anthracene	15.77	178	277705	7.208	ng	98
75) Fluoranthene	17.41	202	1386342	31.055	ng	98
78) Pyrene	17.72	202	1411741	32.152	ng	100
81) Benzo(a)anthracene	19.29	228	712247	17.021	ng	94
83) Chrysene	19.33	228	639849m	17.417	ng	
86) Indeno(1,2,3-cd)pyrene	22.77	276	257400	5.121	ng	# 94
88) Benzo(b)fluoranthene	20.60	252	670199m	19.661	ng	
89) Benzo(k)fluoranthene	20.63	252	257898m	8.037	ng	
90) Benzo(a)pyrene	21.02	252	496332	15.834	ng	95
91) Dibenzo(a,h)anthracene	22.79	278	67270	2.103	ng	# 68
92) Benzo(a,h,i)perylene	23.27	276	225887	7.012	ng	95

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

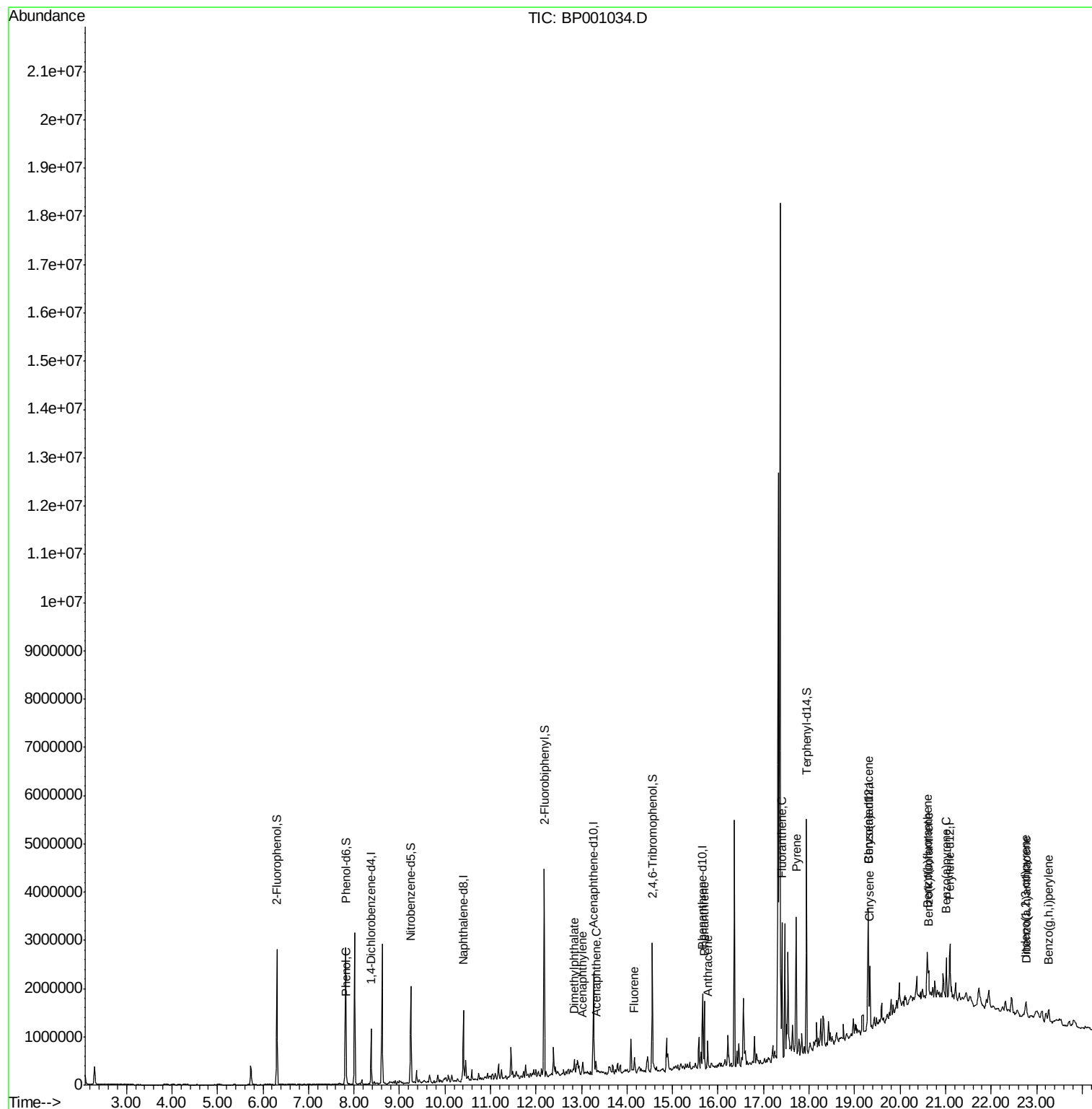
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP111119\
Data File : BP001034.D
Acq On : 12 Nov 2019 00:08
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Misc :
ALS Vial : 17 Sample Multiplier: 1

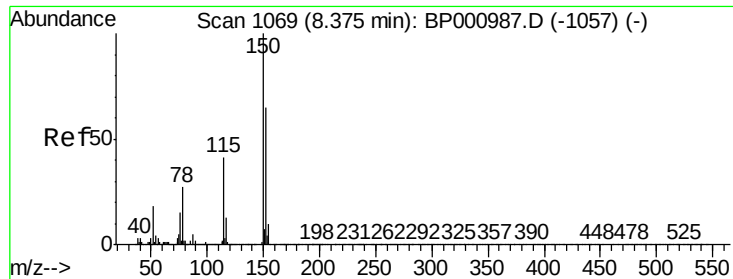
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.38 min Scan# 1069

Delta R.T. -0.00 min

Lab File: BP001034.D

Acq: 12 Nov 2019 00:08

Instrument :

BNA_P

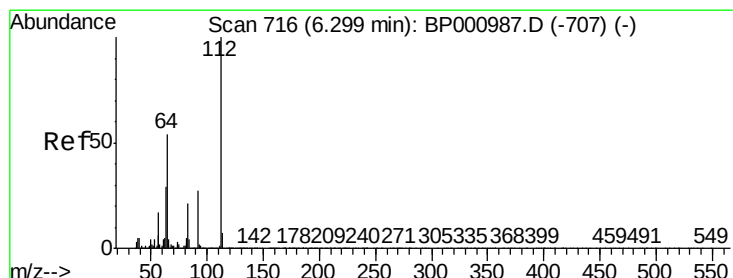
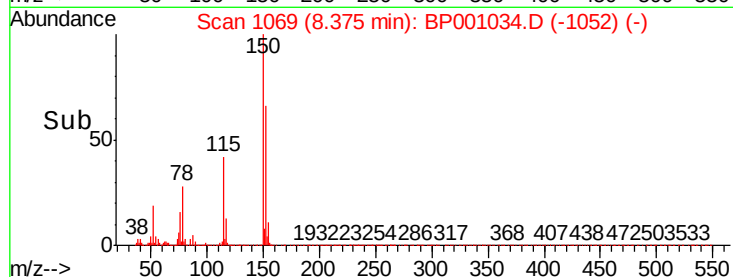
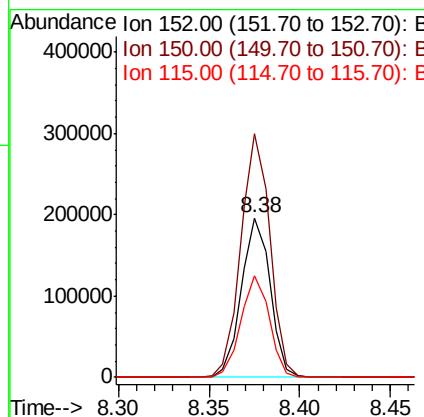
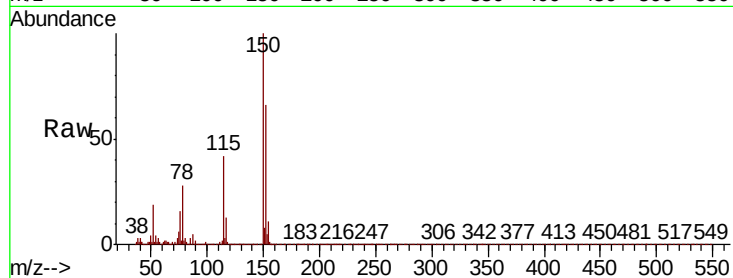
ClientSampleId :

PL-05-110819

Tot Ion:	152	Resp:	216486
Ion Ratio	Lower	Upper	
152	100		
150	152.6	123.6	185.4
115	63.6	50.1	75.1

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#5

2-Fluorophenol

Concen: 83.530 ng

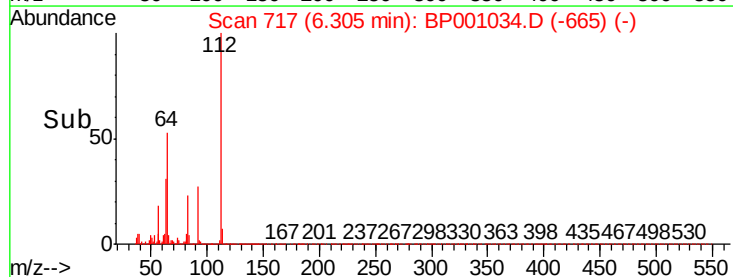
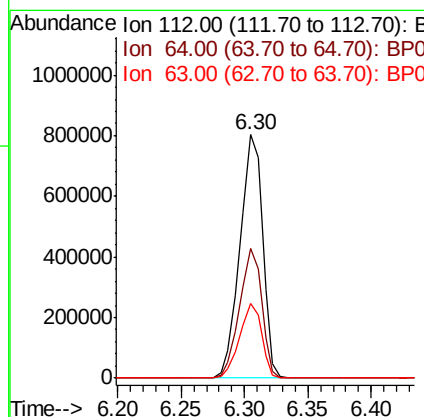
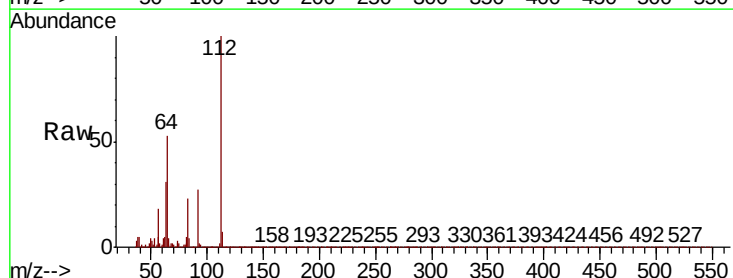
RT: 6.30 min Scan# 717

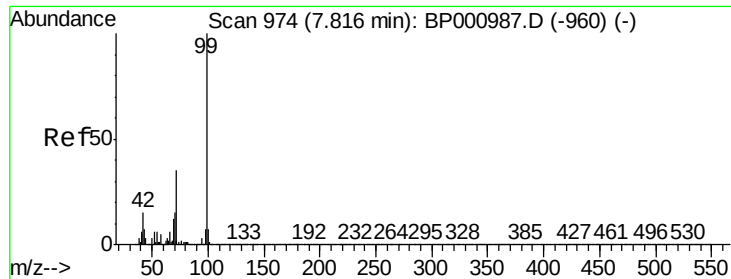
Delta R.T. 0.01 min

Lab File: BP001034.D

Acq: 12 Nov 2019 00:08

Tgt Ion:	112	Resp:	993480
Ion Ratio	Lower	Upper	
112	100		
64	53.4	43.4	65.0
63	30.7	23.4	35.0





#7

Phenol-d6

Concen: 87.065 ng

RT: 7.82 min Scan# 974

Delta R.T. -0.00 min

Lab File: BP001034.D

Acq: 12 Nov 2019 00:08

Instrument :

BNA_P

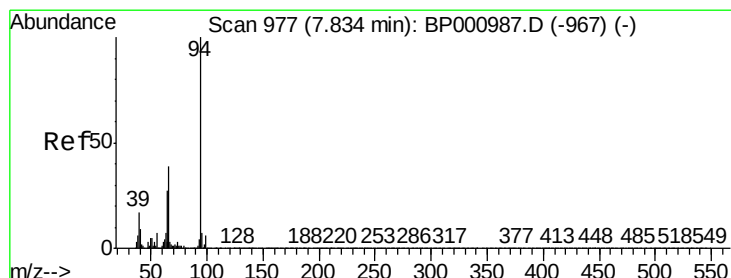
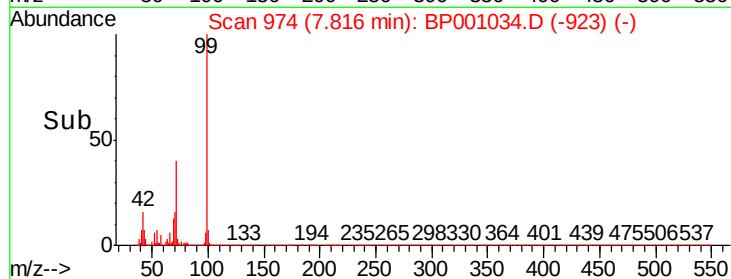
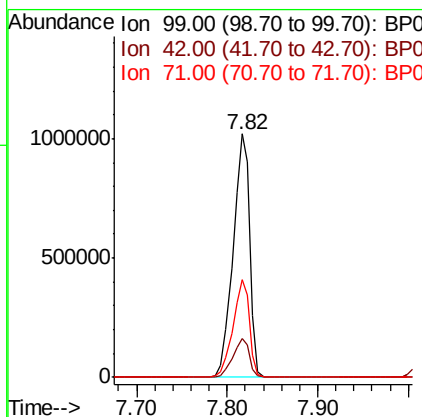
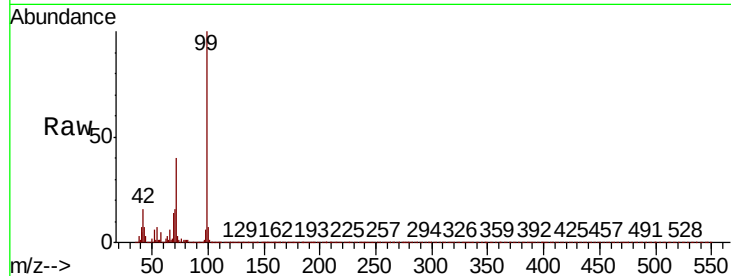
ClientSampleId :

PL-05-110819

Tot Ion:	99	Resp:	1309481
Ion	Ratio	Lower	Upper
99	100		
42	16.0	11.6	17.4
71	40.4	28.0	42.0

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#10

Phenol

Concen: 4.924 ng

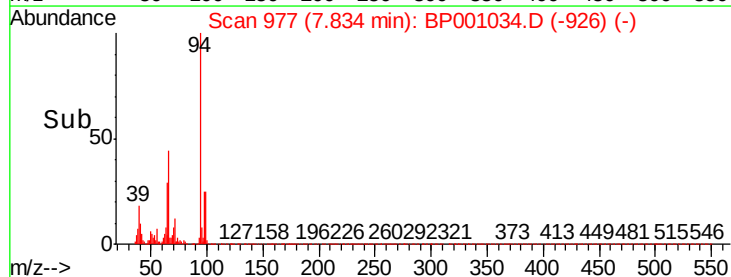
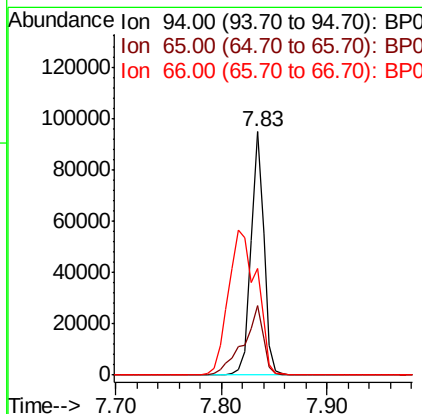
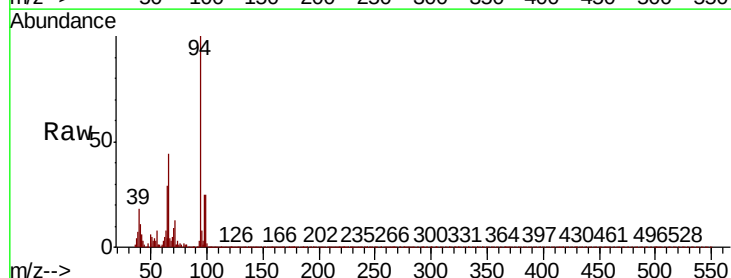
RT: 7.83 min Scan# 977

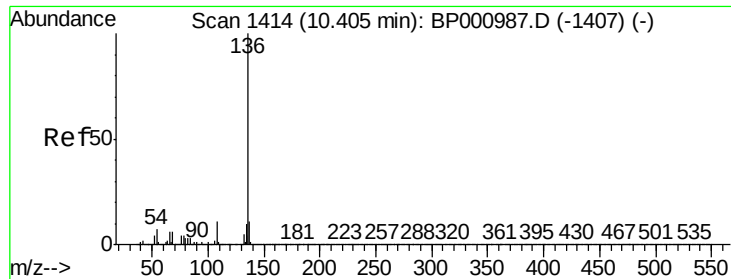
Delta R.T. -0.00 min

Lab File: BP001034.D

Acq: 12 Nov 2019 00:08

Tgt Ion:	94	Resp:	80998
Ion	Ratio	Lower	Upper
94	100		
65	28.7	6.7	46.7
66	44.0	18.6	58.6





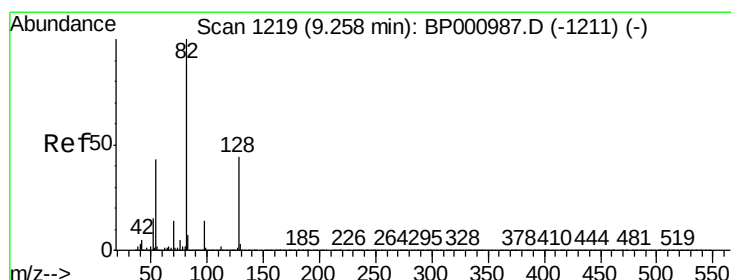
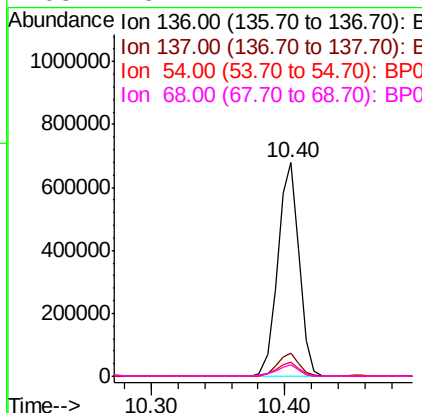
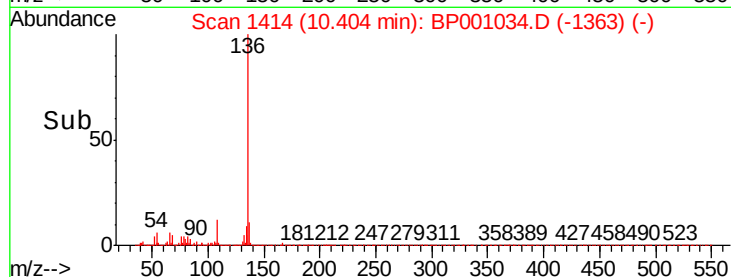
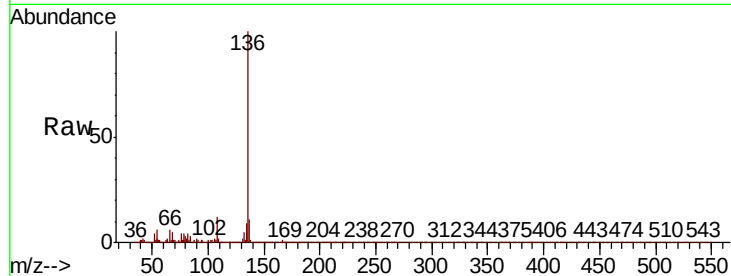
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.40 min Scan# 1414
Delta R.T. -0.00 min
Lab File: BP001034.D
Acq: 12 Nov 2019 00:08

Instrument :
BNA_P
ClientSampleId :
PL-05-110819

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.7	9.0	13.6
54	6.5	5.4	8.2
68	5.2	4.7	7.1

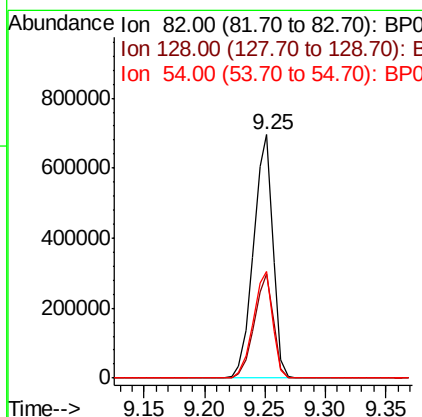
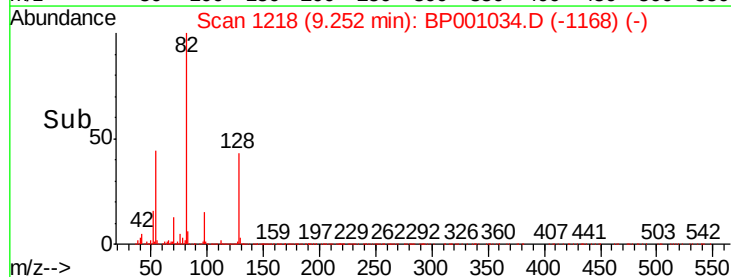
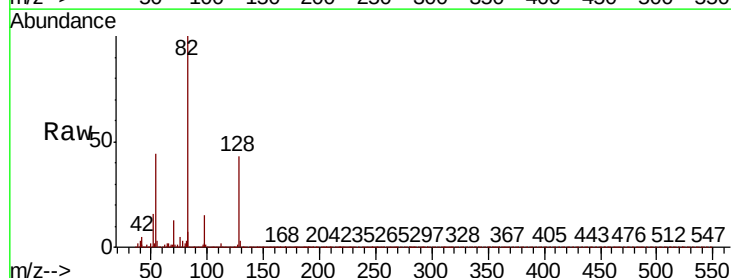
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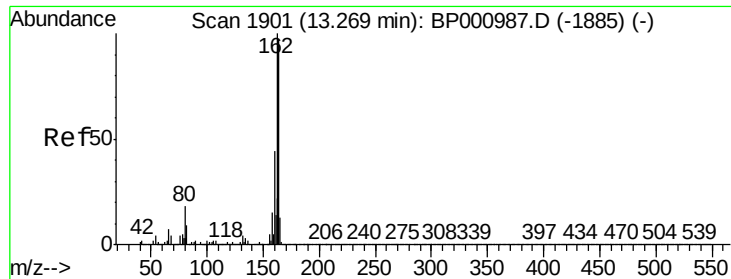
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#23
Nitrobenzene-d5
Concen: 56.983 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.01 min
Lab File: BP001034.D
Acq: 12 Nov 2019 00:08

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	42.9	35.3	52.9
54	44.0	34.3	51.5





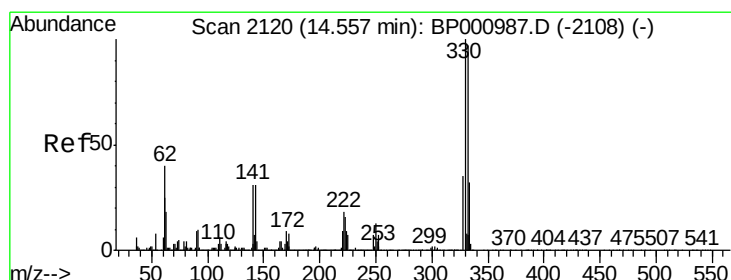
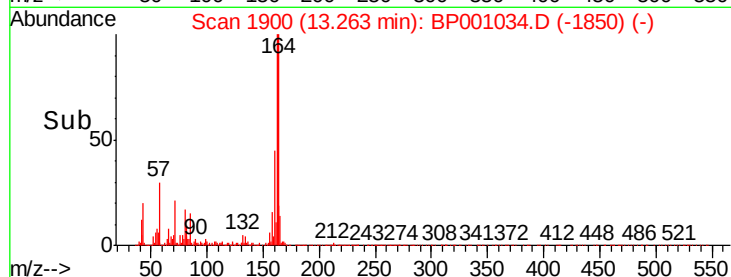
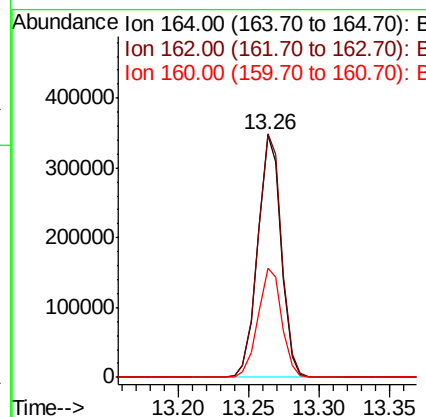
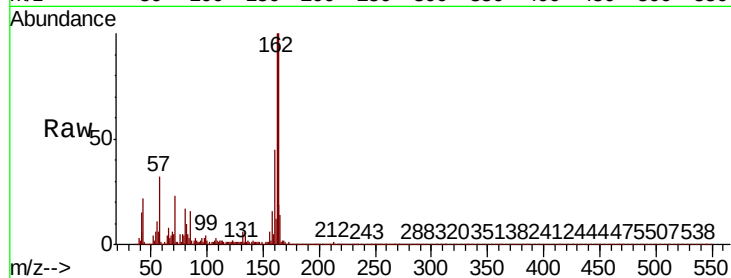
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 13.26 min Scan# 1900
Delta R.T. -0.01 min
Lab File: BP001034.D
Acq: 12 Nov 2019 00:08

Instrument :
BNA_P
ClientSampleId :
PL-05-110819

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.2	82.6	123.8	
160	45.0	36.5	54.7	

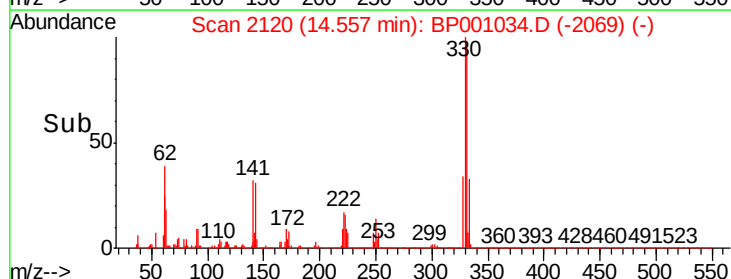
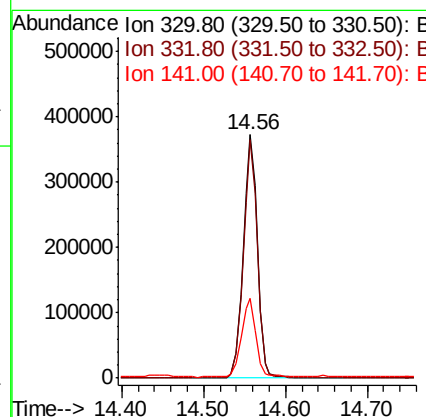
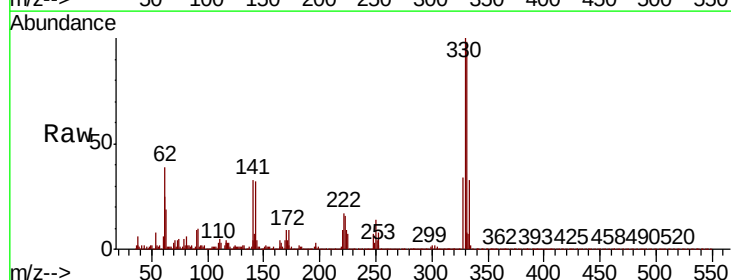
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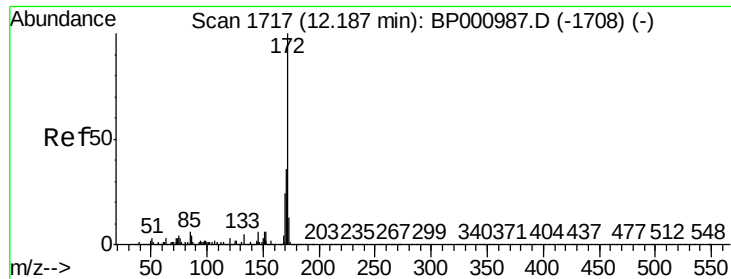
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#42
2,4,6-Tribromophenol
Concen: 93.210 ng
RT: 14.56 min Scan# 2120
Delta R.T. -0.00 min
Lab File: BP001034.D
Acq: 12 Nov 2019 00:08

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.8	78.3	117.5	
141	33.1	25.0	37.4	





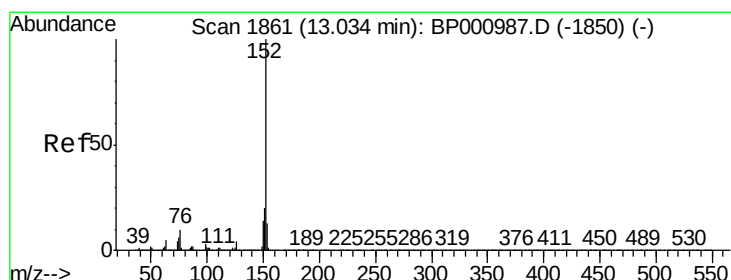
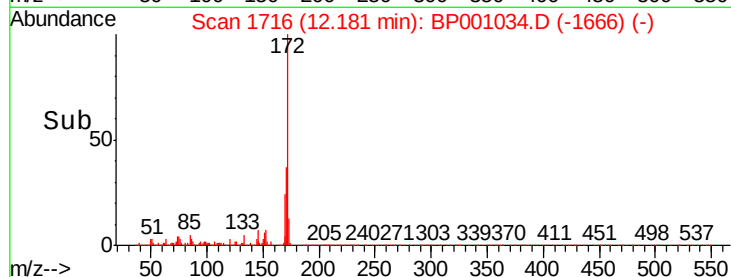
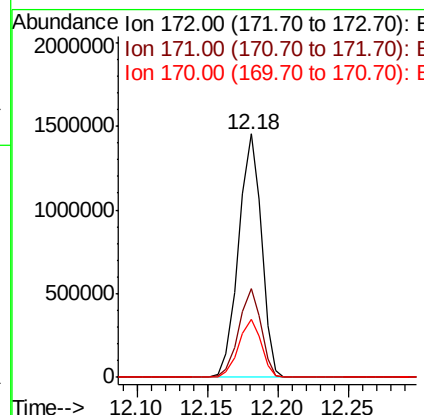
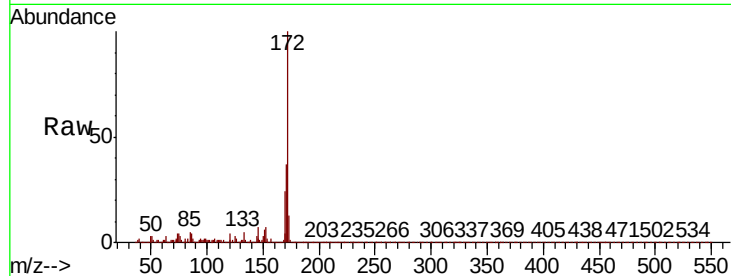
#45
2-Fluorobiphenyl
Concen: 61.047 ng
RT: 12.18 min Scan# 1716
Delta R.T. -0.01 min
Lab File: BP001034.D
Acq: 12 Nov 2019 00:08

Instrument :
BNA_P
ClientSampleId :
PL-05-110819

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	28.5	42.7
170	23.8	18.9	28.3

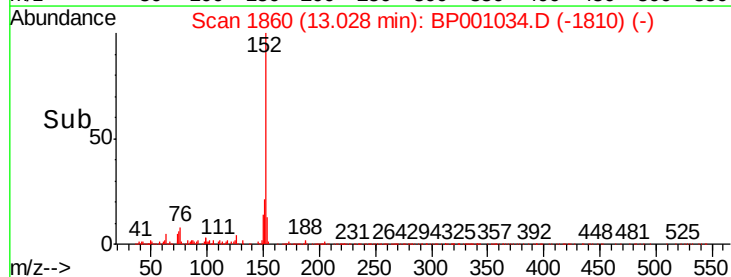
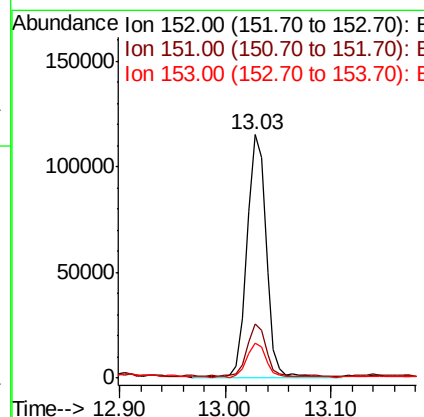
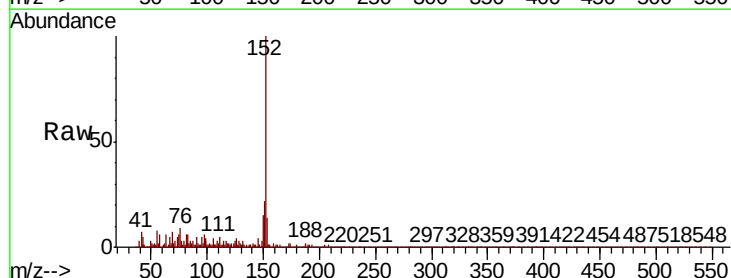
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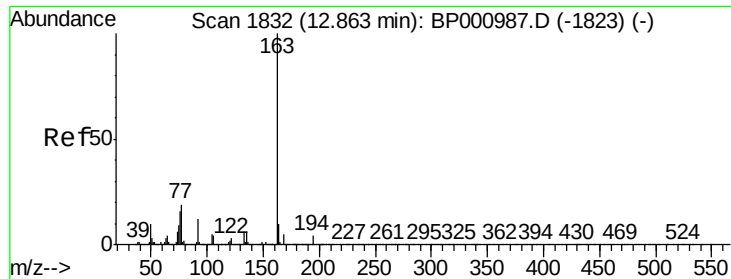
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#49
Acenaphthylene
Concen: 3.864 ng
RT: 13.03 min Scan# 1860
Delta R.T. -0.01 min
Lab File: BP001034.D
Acq: 12 Nov 2019 00:08

Tgt Ion	Ratio	Lower	Upper
152	100		
151	22.2	16.0	24.0
153	14.4	10.6	16.0





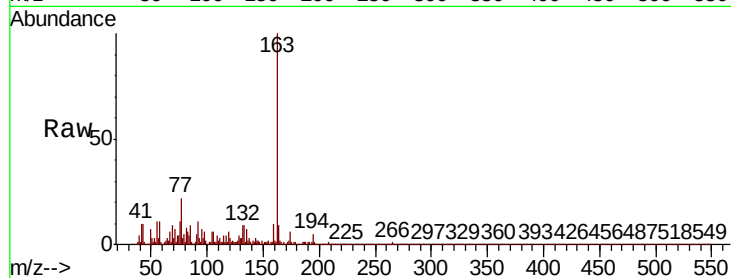
#50
Dimethylphthalate
Concen: 3.771 ng
RT: 12.85 min Scan# 1829
Delta R.T. -0.02 min
Lab File: BP001034.D
Acq: 12 Nov 2019 00:08

Instrument :
BNA_P
ClientSampleId :
PL-05-110819

Tot Ion	Ratio	Lower	Upper
163	100		
194	5.3	3.4	5.2#
164	9.4	7.9	11.9

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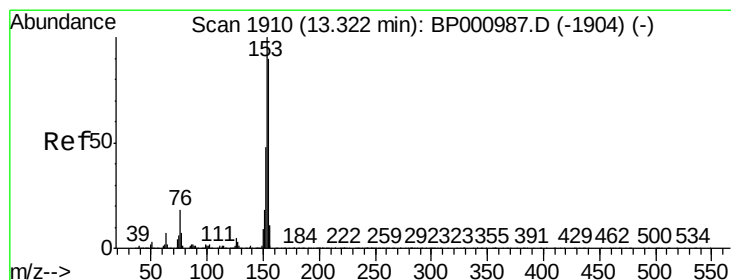
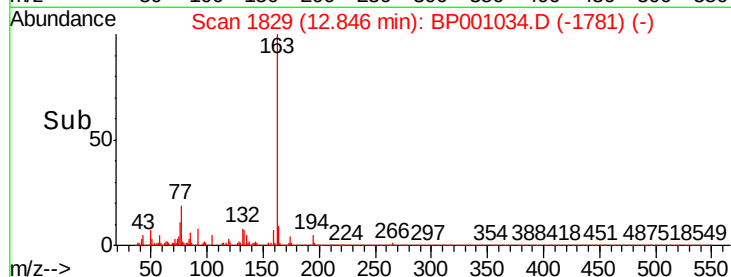
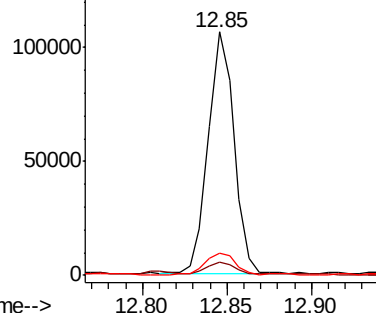


Abundance

Ion 163.00 (162.70 to 163.70): E

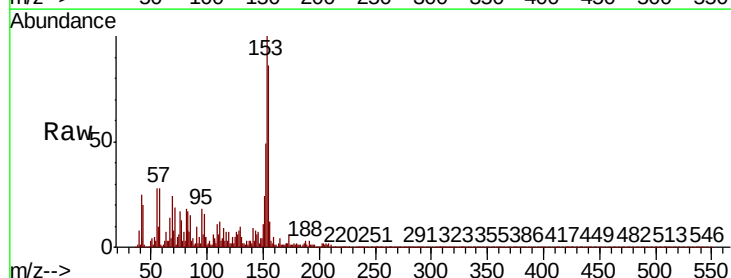
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#52
Acenaphthene
Concen: 2.117 ng
RT: 13.32 min Scan# 1909
Delta R.T. -0.01 min
Lab File: BP001034.D
Acq: 12 Nov 2019 00:08

Tgt Ion	Ratio	Lower	Upper
154	100		
153	116.8	88.9	133.3
152	57.5	42.4	63.6

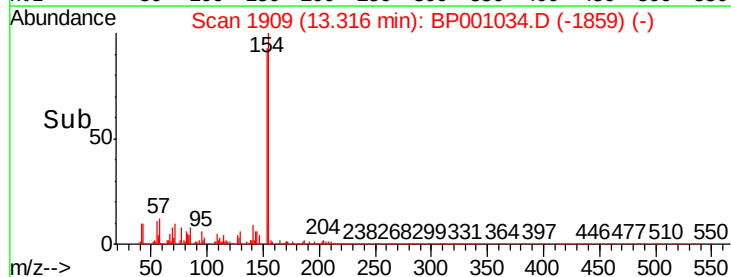
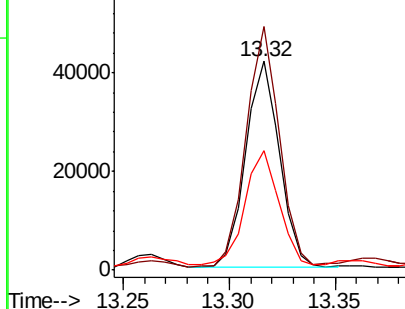


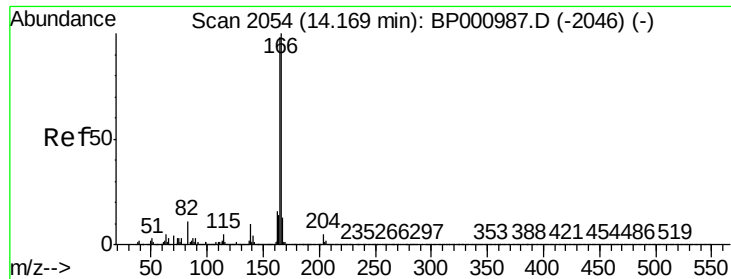
Abundance

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





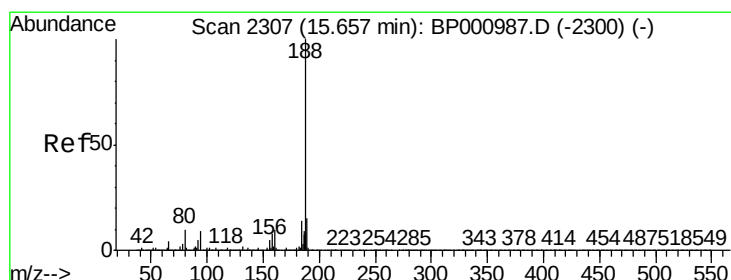
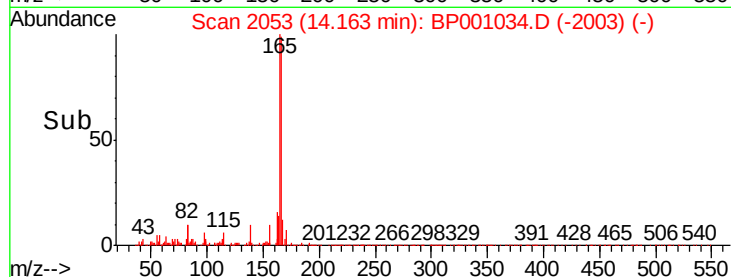
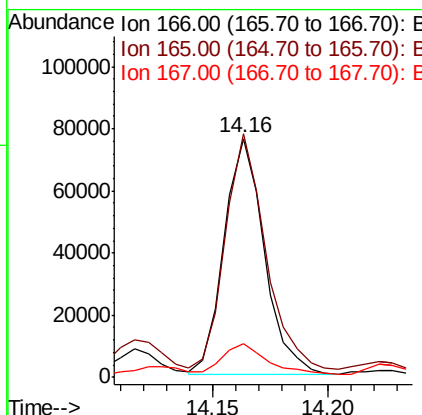
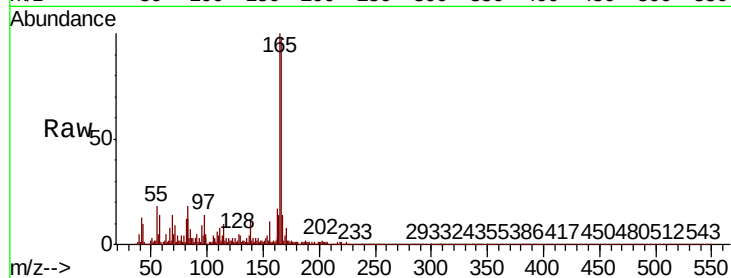
#58
 Fluorene
 Concen: 3.355 ng
 RT: 14.16 min Scan# 2053
 Delta R.T. -0.01 min
 Lab File: BP001034.D
 Acq: 12 Nov 2019 00:08

Instrument :
 BNA_P
 ClientSampleId :
 PL-05-110819

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100				
165	101.9	78.2	117.2		
167	13.8	10.7	16.1		

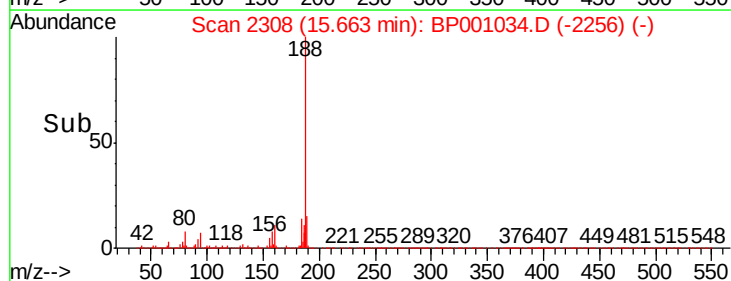
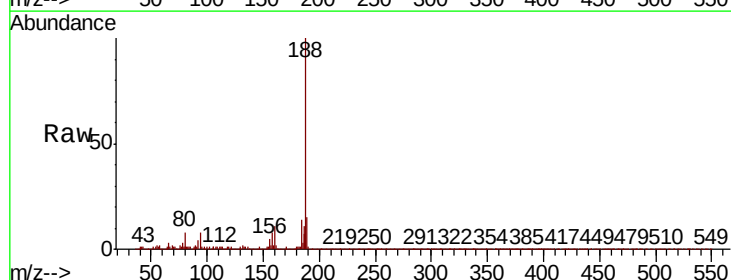
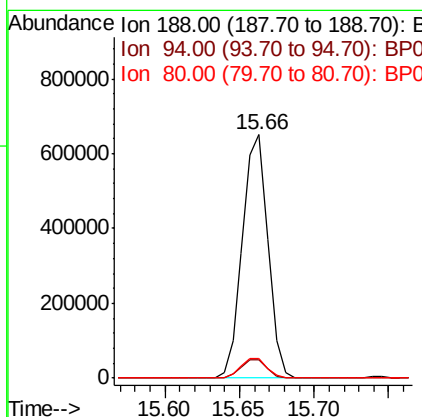
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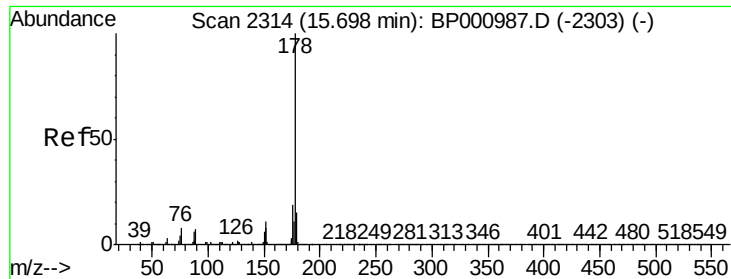
mohammad
 11/12/2019 5:04:59 PM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 15.66 min Scan# 2308
 Delta R.T. 0.01 min
 Lab File: BP001034.D
 Acq: 12 Nov 2019 00:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	7.5	7.4	11.2		
80	8.0	7.9	11.9		





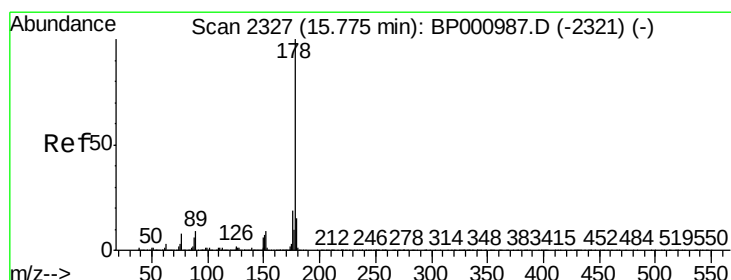
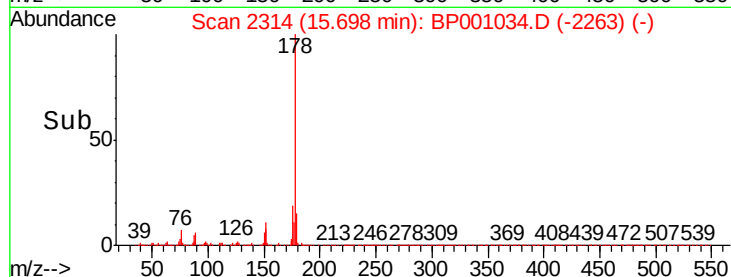
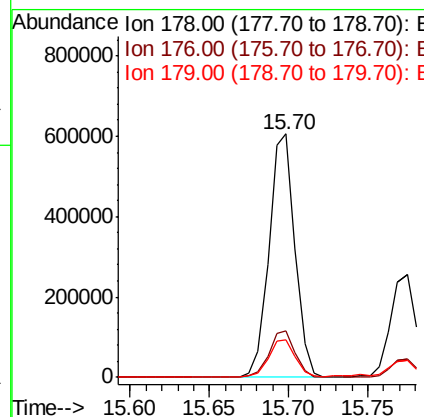
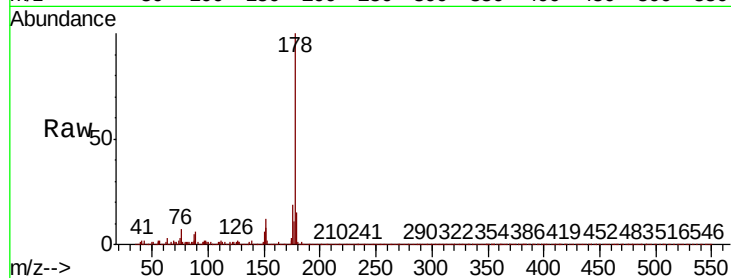
#71
Phenanthrene
Concen: 17.480 ng
RT: 15.70 min Scan# 2314
Delta R.T. -0.00 min
Lab File: BP001034.D
Acq: 12 Nov 2019 00:08

Instrument :
BNA_P
ClientSampleId :
PL-05-110819

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.5	23.3
179	15.5	12.3	18.5

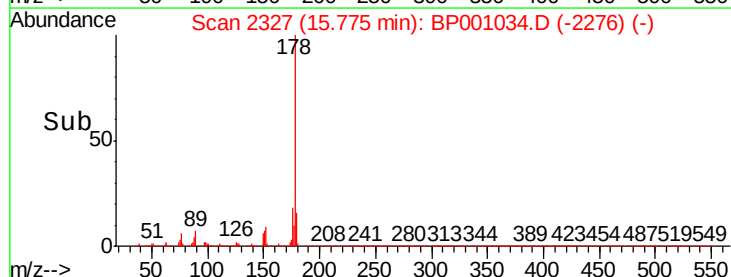
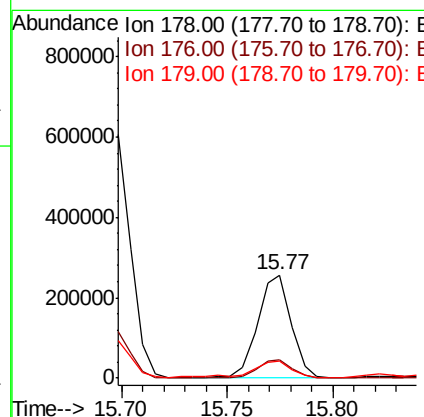
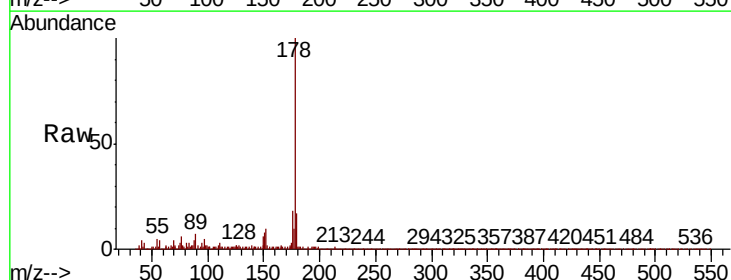
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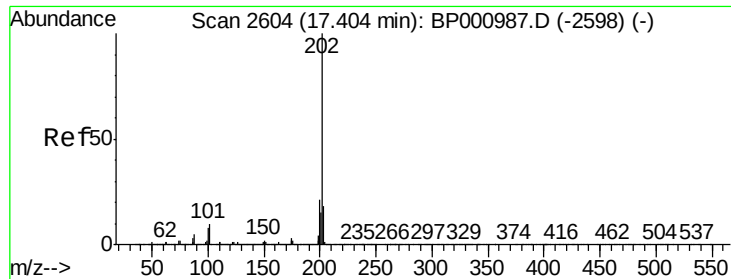
mohammad
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#72
Anthracene
Concen: 7.208 ng
RT: 15.77 min Scan# 2327
Delta R.T. -0.00 min
Lab File: BP001034.D
Acq: 12 Nov 2019 00:08

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.1	22.7
179	16.8	12.3	18.5





#75

Fluoranthene

Concen: 31.055 ng

RT: 17.41 min Scan# 2605

Delta R.T. 0.01 min

Lab File: BP001034.D

Acq: 12 Nov 2019 00:08

Instrument :

BNA_P

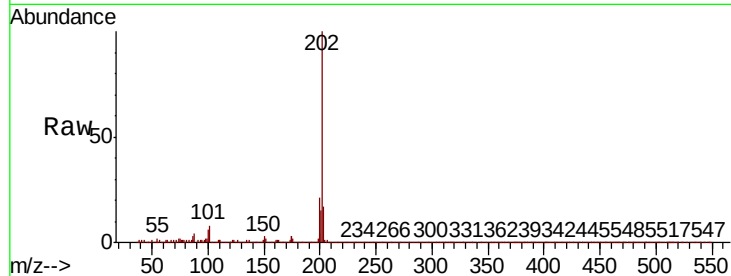
ClientSampleId :

PL-05-110819

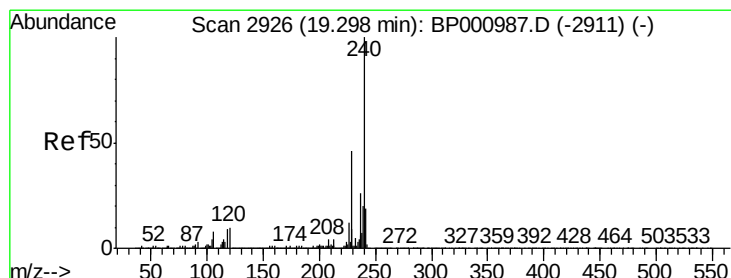
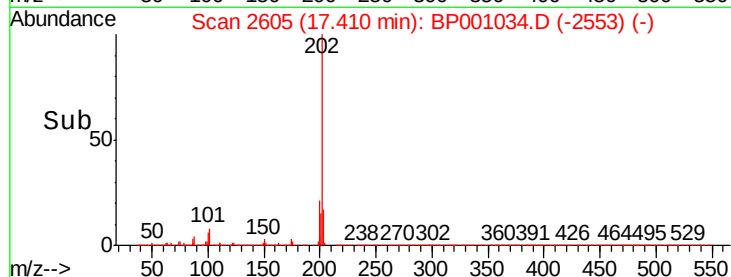
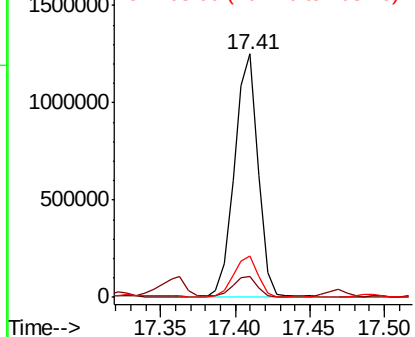
Tot Ion:	202	Resp:	1386342
Ion Ratio	Lower	Upper	
202	100		
101	8.5	0.0	30.1
203	17.1	0.0	37.7

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

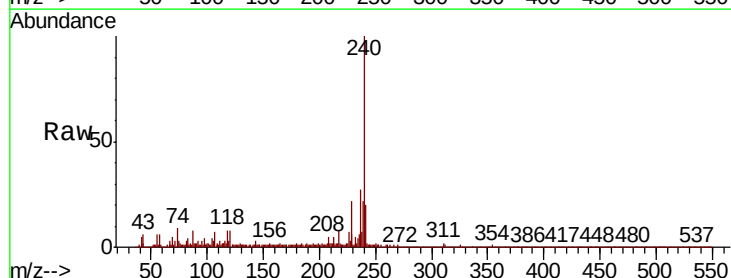
RT: 19.30 min Scan# 2927

Delta R.T. 0.01 min

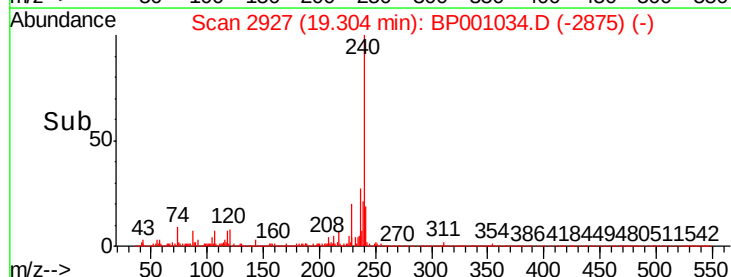
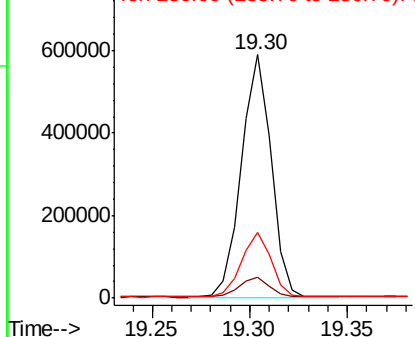
Lab File: BP001034.D

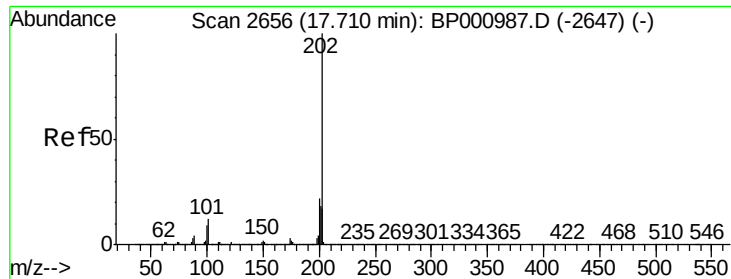
Acq: 12 Nov 2019 00:08

Tgt Ion:	240	Resp:	621313
Ion Ratio	Lower	Upper	
240	100		
120	8.4	8.2	12.2
236	26.7	20.5	30.7



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





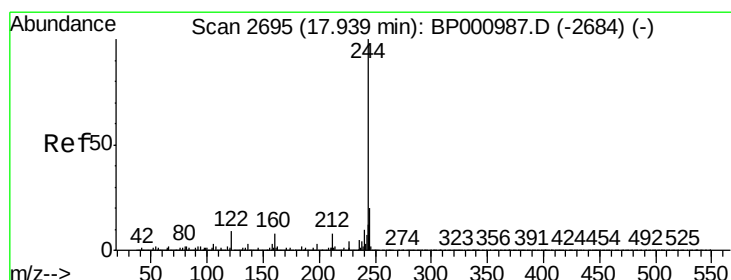
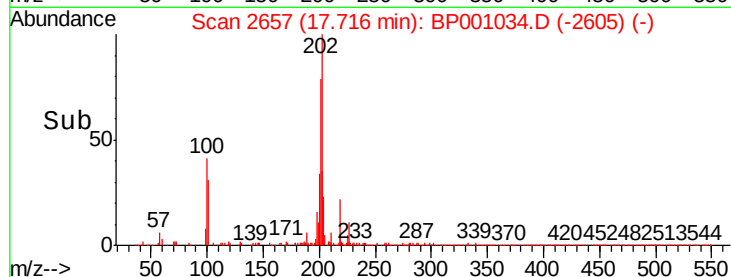
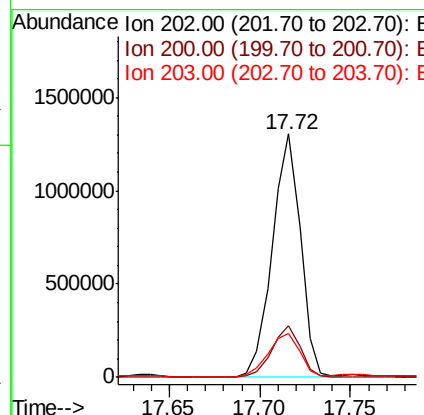
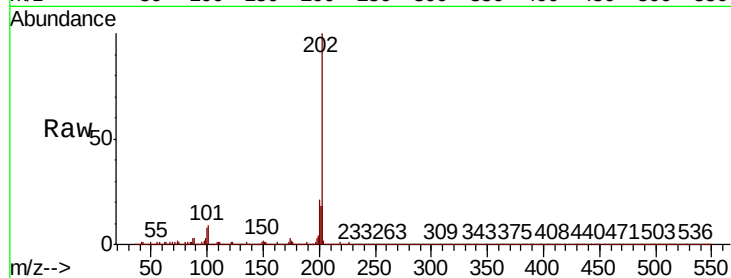
#78
Pvrene
Concen: 32.152 ng
RT: 17.72 min Scan# 2657
Delta R.T. 0.01 min
Lab File: BP001034.D
Acq: 12 Nov 2019 00:08

Instrument :
BNA_P
ClientSampleId :
PL-05-110819

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.2	25.8
203	17.9	14.0	21.0

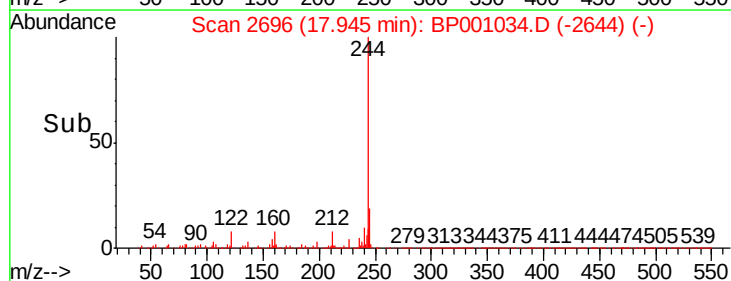
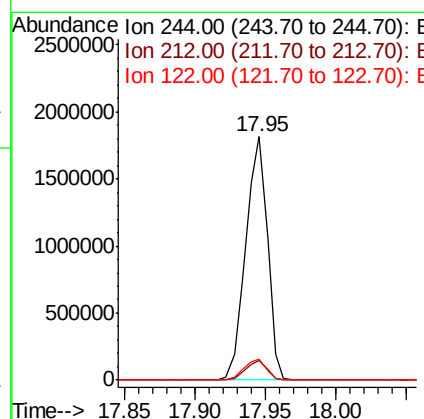
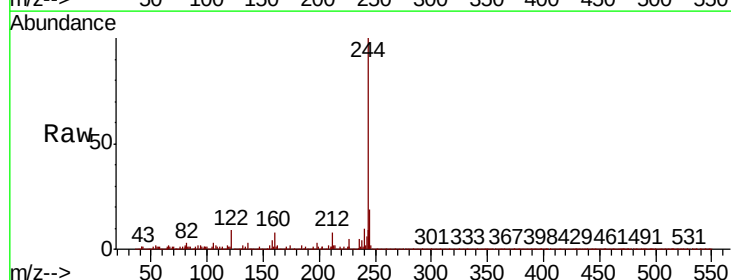
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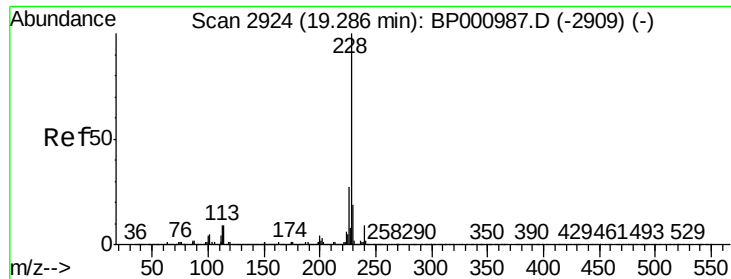
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#79
Terphenyl-d14
Concen: 62.350 ng
RT: 17.95 min Scan# 2696
Delta R.T. 0.01 min
Lab File: BP001034.D
Acq: 12 Nov 2019 00:08

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.0	9.0
122	8.5	7.4	11.2





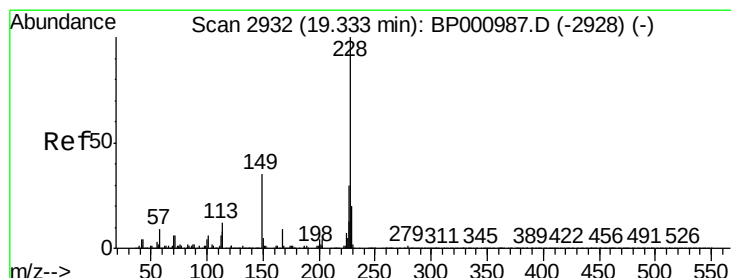
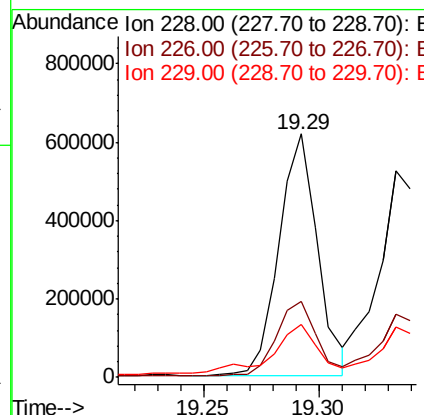
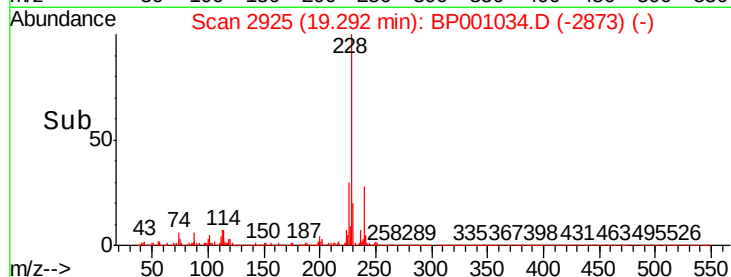
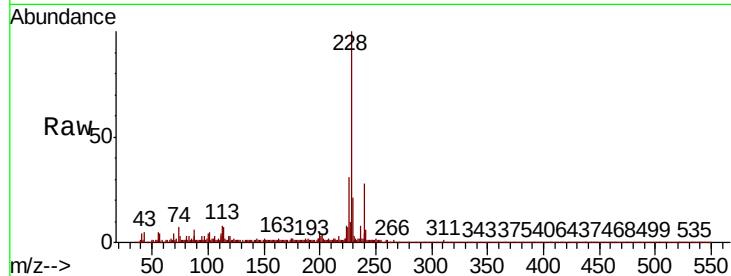
#81
Benzo(a)anthracene
Concen: 17.021 ng
RT: 19.29 min Scan# 2925
Delta R.T. 0.01 min
Lab File: BP001034.D
Acq: 12 Nov 2019 00:08

Instrument :
BNA_P
ClientSampleId :
PL-05-110819

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100		712247		
226	31.2	21.8	32.8		
229	21.5	15.6	23.4		

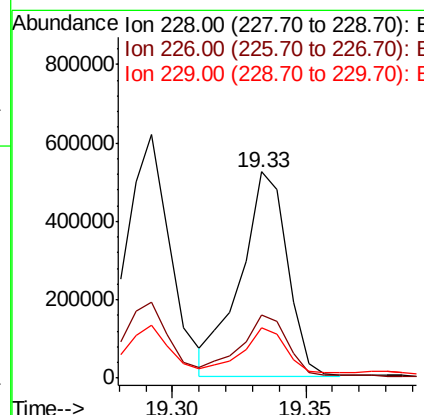
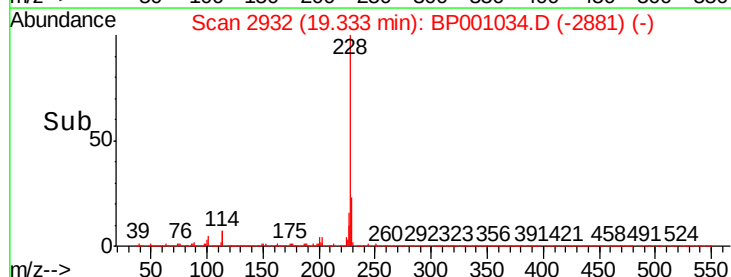
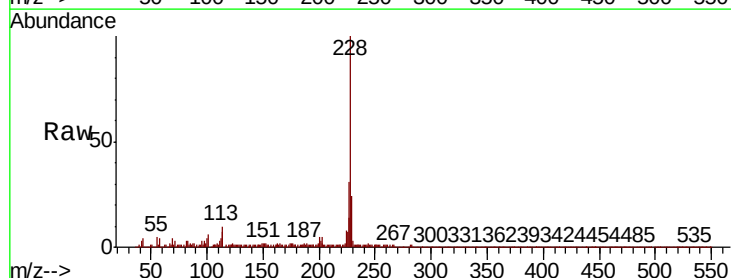
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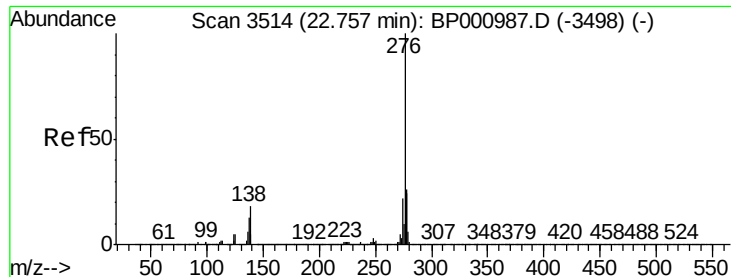
mohammad
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#83
Chrysene
Concen: 17.417 ng m
RT: 19.33 min Scan# 2932
Delta R.T. -0.00 min
Lab File: BP001034.D
Acq: 12 Nov 2019 00:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
228	100		639849		
226	30.7	24.2	36.2		
229	24.2	15.8	23.6#		





#86

Indeno(1,2,3-cd)pyrene

Concen: 5.121 ng

RT: 22.77 min Scan# 3516

Delta R.T. 0.01 min

Lab File: BP001034.D

Acq: 12 Nov 2019 00:08

Instrument :

BNA_P

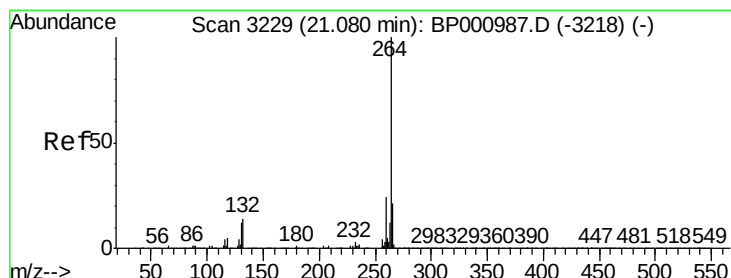
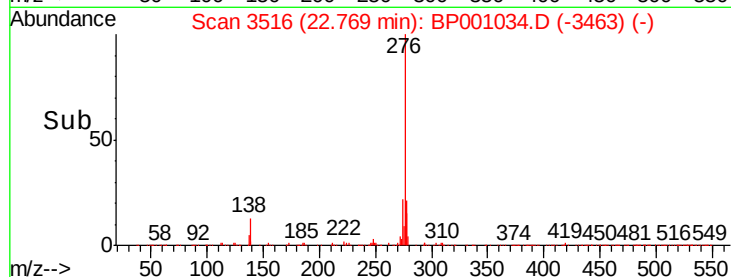
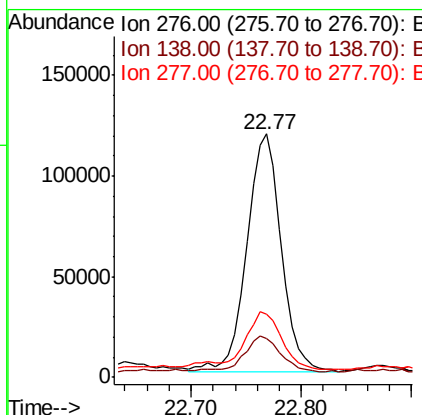
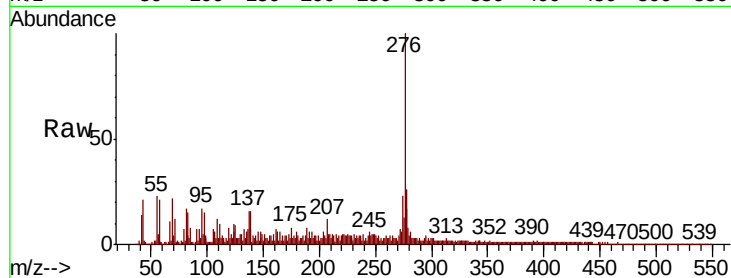
ClientSampleId :

PL-05-110819

Tot Ion:	276	Resp:	257400
Ion Ratio	Lower	Upper	
276	100		
138	16.1	17.6	26.4#
277	25.7	20.2	30.4

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#87

Perylene-d12

Concen: 20.000 ng

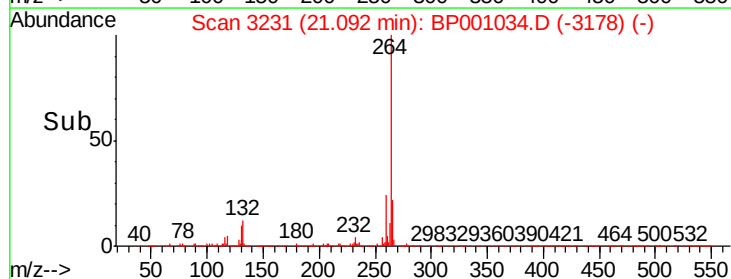
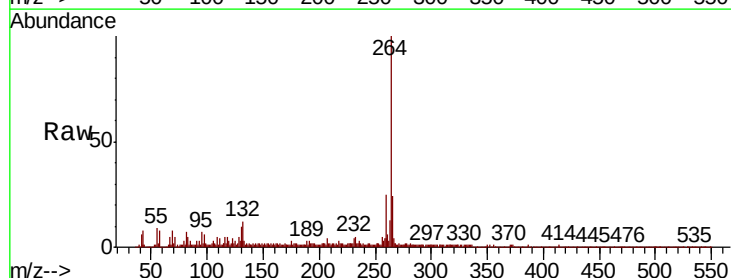
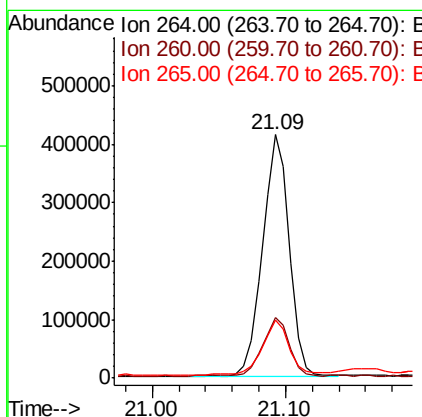
RT: 21.09 min Scan# 3231

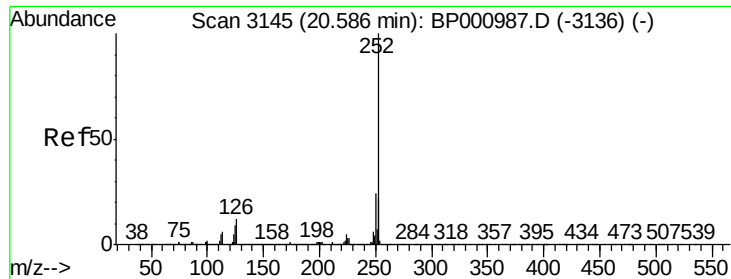
Delta R.T. 0.01 min

Lab File: BP001034.D

Acq: 12 Nov 2019 00:08

Tgt Ion:	264	Resp:	571869
Ion Ratio	Lower	Upper	
264	100		
260	25.1	18.8	28.2
265	23.6	17.1	25.7





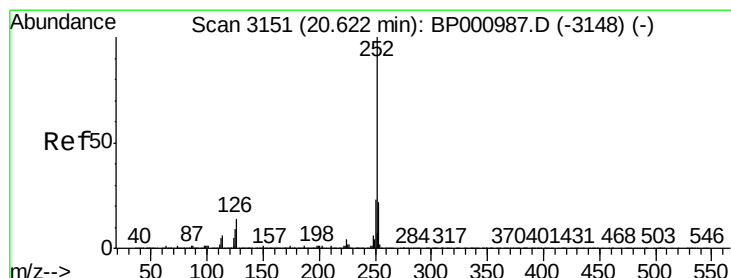
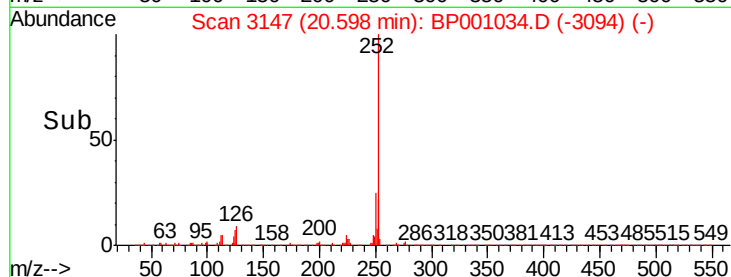
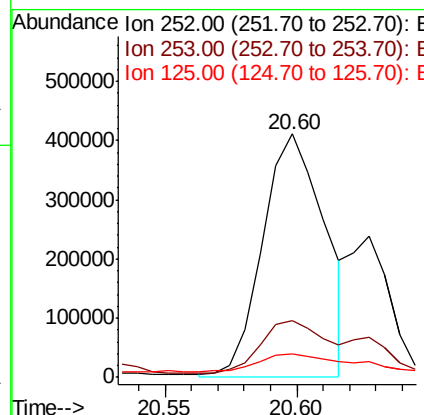
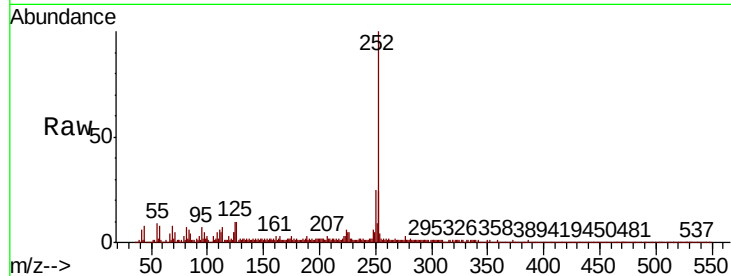
#88
Benzo(b)fluoranthene
Concen: 19.661 ng m
RT: 20.60 min Scan# 3147
Delta R.T. 0.01 min
Lab File: BP001034.D
Acq: 12 Nov 2019 00:08

Instrument :
BNA_P
ClientSampleId :
PL-05-110819

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.9	26.9
125	9.8	7.3	10.9

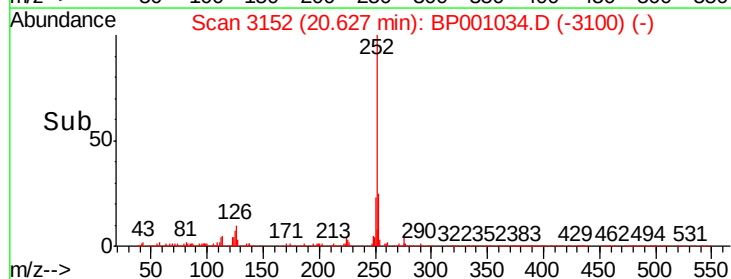
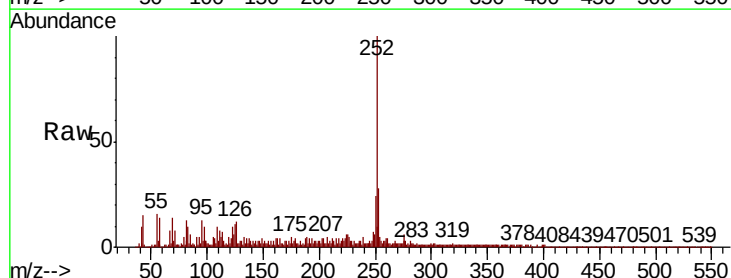
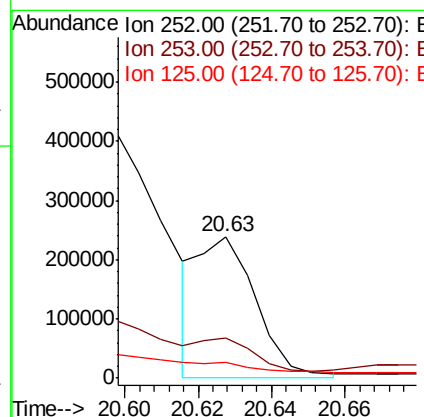
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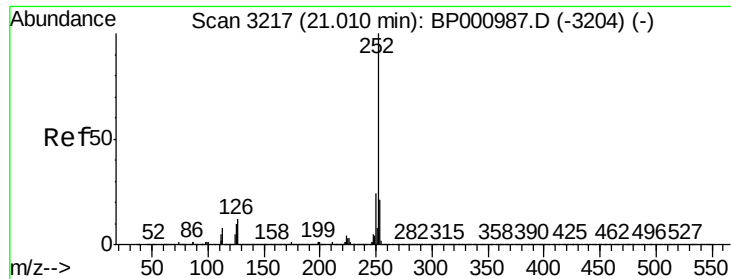
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#89
Benzo(k)fluoranthene
Concen: 8.037 ng m
RT: 20.63 min Scan# 3152
Delta R.T. 0.01 min
Lab File: BP001034.D
Acq: 12 Nov 2019 00:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.3	17.7	26.5#
125	10.9	7.3	10.9





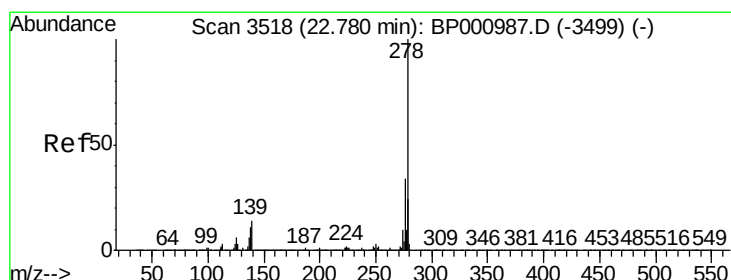
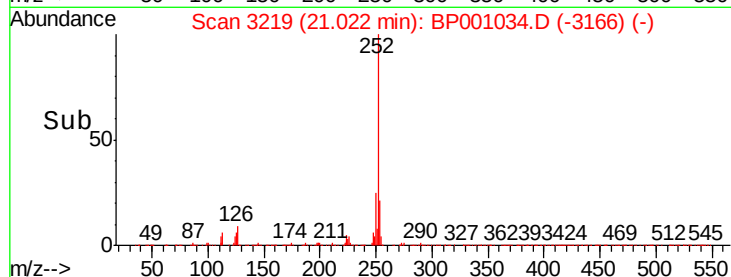
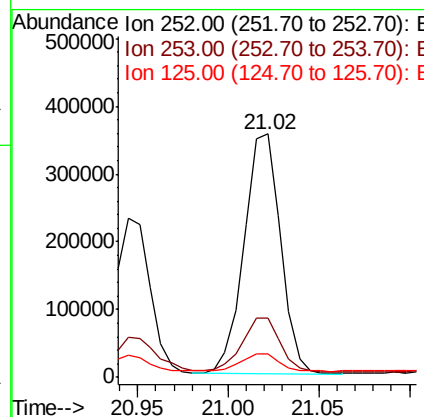
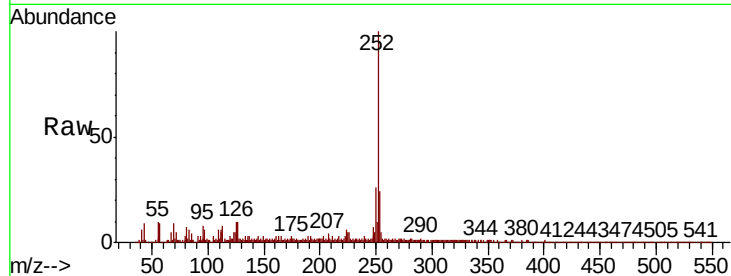
#90
Benzo(a)pyrene
Concen: 15.834 ng
RT: 21.02 min Scan# 3219
Delta R.T. 0.01 min
Lab File: BP001034.D
Acq: 12 Nov 2019 00:08

Instrument :
BNA_P
ClientSampleId :
PL-05-110819

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	24.4	17.1	25.7
125	9.7	7.6	11.4

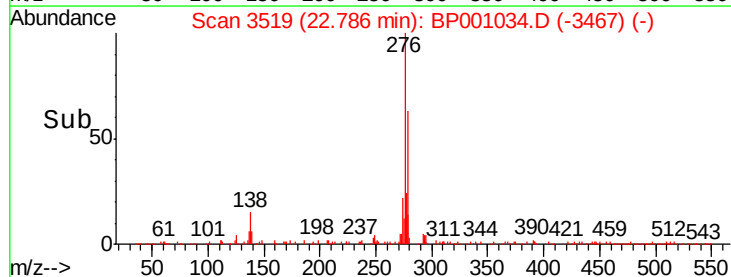
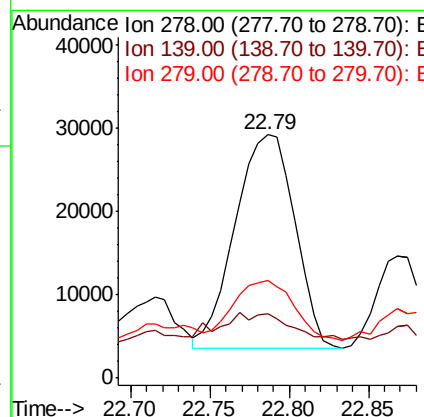
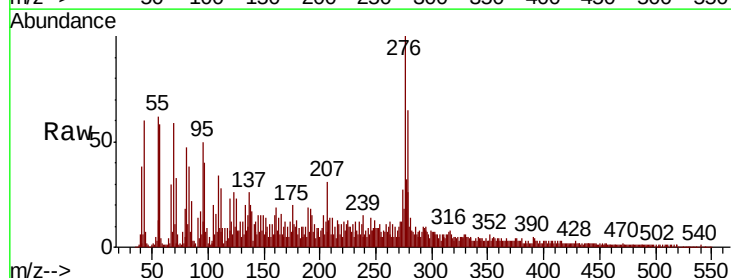
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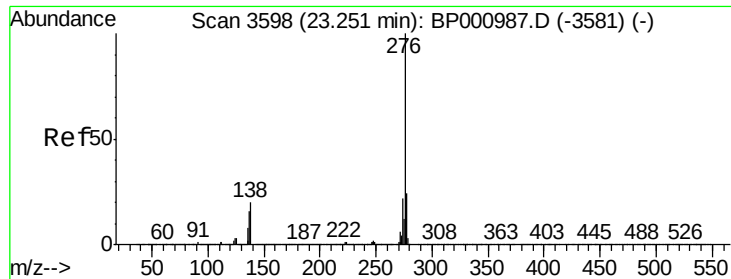
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 2.103 ng
RT: 22.79 min Scan# 3519
Delta R.T. 0.01 min
Lab File: BP001034.D
Acq: 12 Nov 2019 00:08

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	26.6	11.3	16.9#
279	39.9	19.1	28.7#





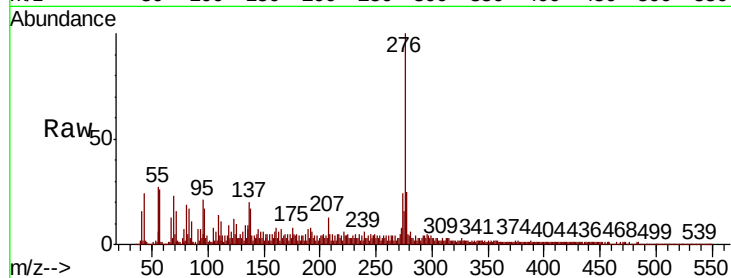
#92
 Benzo(a,h,i)perylene
 Concen: 7.012 ng
 RT: 23.27 min Scan# 3601
 Delta R.T. 0.02 min
 Lab File: BP001034.D
 Acq: 12 Nov 2019 00:08

Instrument :
 BNA_P
 ClientSampleId :
 PL-05-110819

Tot Ion:	276	Resp:	225887
Ion Ratio	Lower	Upper	
276	100		
277	25.4	19.0	28.4
138	16.7	15.7	23.5

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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

