

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120619\
 Data File : BP001235.D
 Acq On : 06 Dec 2019 17:54
 Operator : JU
 Sample : K6147-09
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 P001-WC009

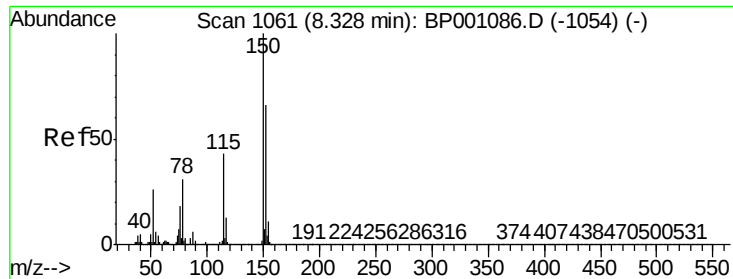
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Quant Time: Dec 07 01:01:57 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP112719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 05 12:34:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.30	152	76441	20.00	ng	0.00
21) Naphthalene-d8	10.34	136	289232	20.00	ng	-0.01
39) Acenaphthene-d10	13.20	164	166533	20.00	ng	-0.01
64) Phenanthrene-d10	15.60	188	315592	20.00	ng	-0.01
76) Chrysene-d12	19.24	240	225282	20.00	ng	-0.02
87) Perylene-d12	21.02	264	242751	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.21	112	460244	99.89	ng	0.00
7) Phenol-d6	7.75	99	653631	106.49	ng	-0.01
23) Nitrobenzene-d5	9.19	82	451796	67.77	ng	-0.01
42) 2,4,6-Tribromophenol	14.49	330	169690	106.31	ng	-0.01
45) 2-Fluorobiphenyl	12.12	172	729221	64.09	ng	-0.02
79) Terphenyl-d14	17.88	244	805025	66.11	ng	-0.01
Target Compounds						Qvalue
10) Phenol	7.77	94	37368	5.352	ng	80
31) Naphthalene	10.37	128	930091	62.964	ng	99
37) 2-Methylnaphthalene	11.50	142	457298	45.368	ng	98
38) 1-Methylnaphthalene	11.66	142	237313	24.924	ng	98
46) 1,1'-Biphenyl	12.27	154	181193	14.078	ng	99
50) Dimethylphthalate	12.79	163	85005	6.825	ng	100
52) Acenaphthene	13.25	154	371344	40.060	ng	99
55) Dibenzofuran	13.54	168	539373	38.722	ng	99
58) Fluorene	14.10	166	293370	26.284	ng	99
71) Phenanthrene	15.64	178	1502776	90.574	ng	99
72) Anthracene	15.71	178	327705	20.039	ng	99
73) Carbazole	15.95	167	135758	9.123	ng	99
75) Fluoranthene	17.35	202	845337	48.126	ng	99
78) Pyrene	17.65	202	631969	35.616	ng	98
80) Butylbenzylphthalate	18.53	149	23657	2.887	ng	# 83
81) Benzo(a)anthracene	19.23	228	262752	16.822	ng	96
83) Chrysene	19.27	228	255364m	18.257	ng	
84) Bis(2-ethylhexyl)phthalate	19.28	149	100578	8.926	ng	# 97
86) Indeno(1,2,3-cd)pyrene	22.65	276	101843	6.178	ng	96
88) Benzo(b)fluoranthene	20.53	252	262966m	17.735	ng	
89) Benzo(k)fluoranthene	20.56	252	68870m	4.823	ng	
90) Benzo(a)pyrene	20.94	252	169585	12.417	ng	92
91) Dibenzo(a,h)anthracene	22.67	278	26991	2.019	ng	# 70
92) Benzo(g,h,i)perylene	23.14	276	92386	7.000	ng	98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.30 min Scan# 1057

Delta R.T. -0.01 min

Lab File: BP001235.D

Acq: 06 Dec 2019 17:54

Instrument :

BNA_P

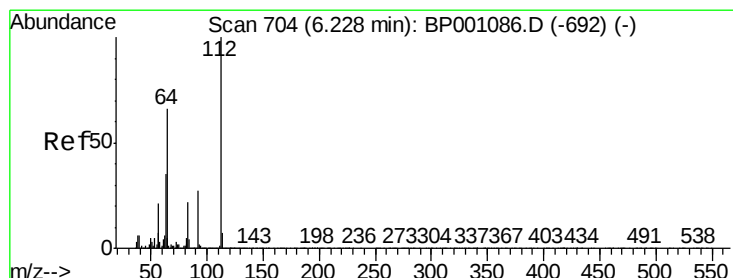
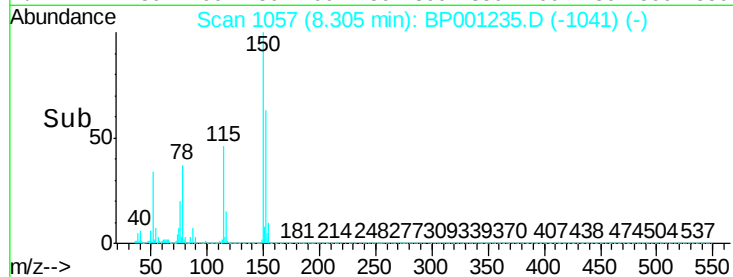
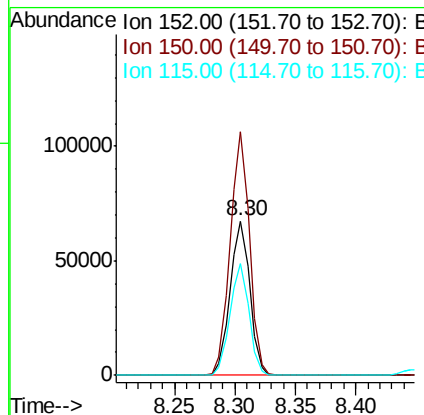
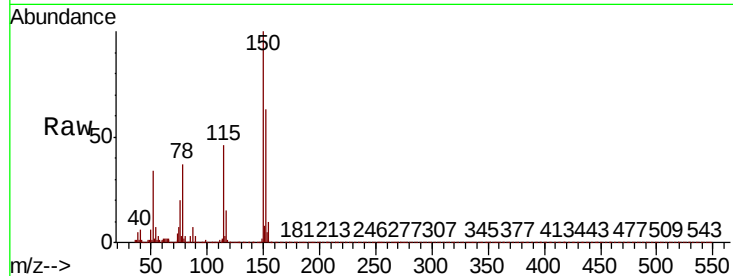
ClientSampled :

P001-WC009

Tot Ion:	152	Resp:	76441
Ion Ratio	Lower	Upper	
152	100		
150	157.5	127.3	190.9
115	72.3	56.0	84.0

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#5

2-Fluorophenol

Concen: 99.892 ng

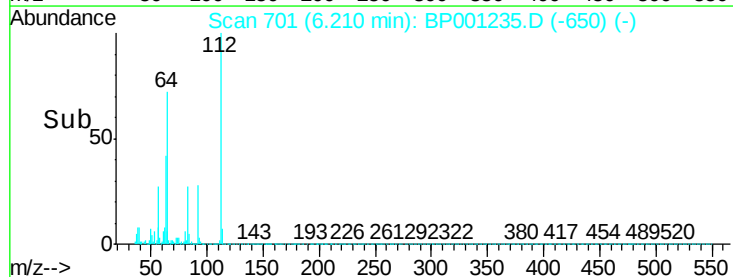
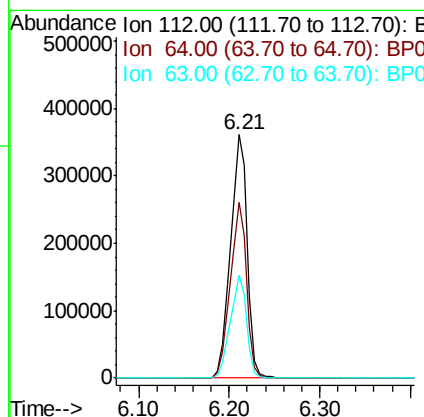
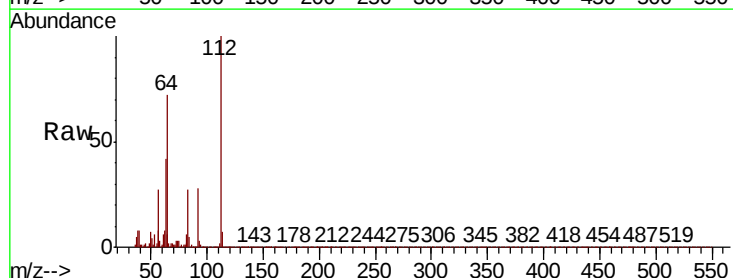
RT: 6.21 min Scan# 701

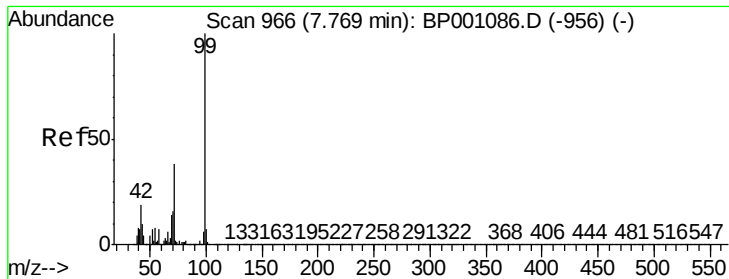
Delta R.T. 0.00 min

Lab File: BP001235.D

Acq: 06 Dec 2019 17:54

Tgt Ion:	112	Resp:	460244
Ion Ratio	Lower	Upper	
112	100		
64	72.4	56.8	85.2
63	42.1	32.2	48.2





#7

Phenol-d6

Concen: 106.485 ng

RT: 7.75 min Scan# 963

Delta R.T. -0.01 min

Lab File: BP001235.D

Acq: 06 Dec 2019 17:54

Instrument :

BNA_P

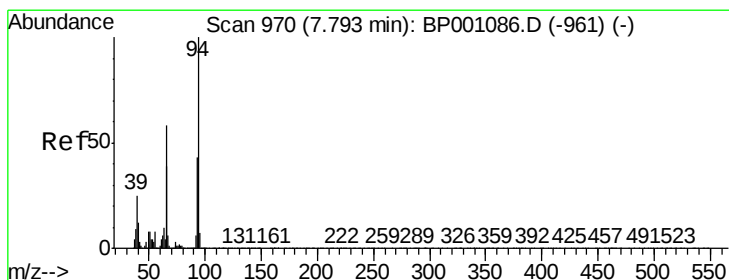
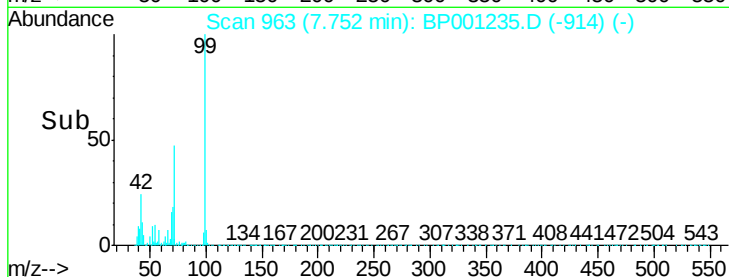
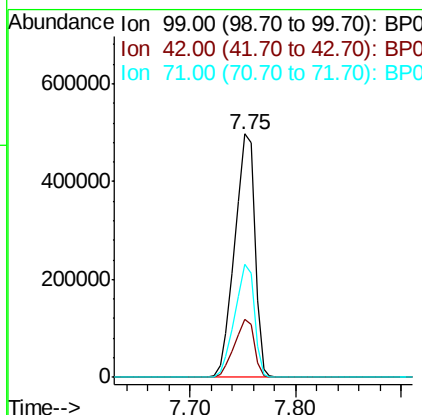
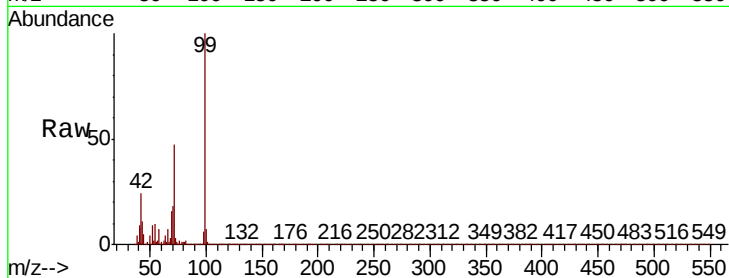
ClientSampleId :

P001-WC009

Tot Ion:	99	Resp:	653631
Ion Ratio	Lower	Upper	
99	100		
42	23.8	17.6	26.4
71	46.6	33.8	50.8

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#10

Phenol

Concen: 5.352 ng

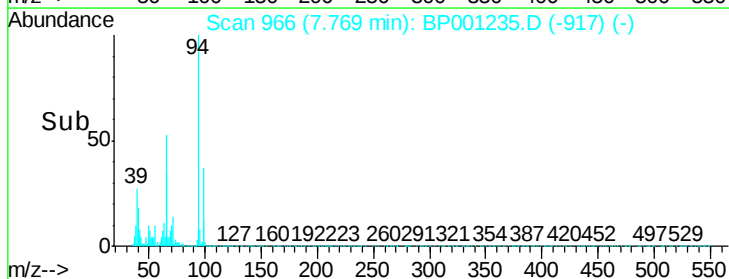
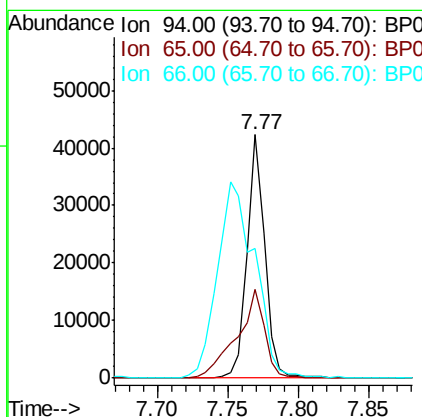
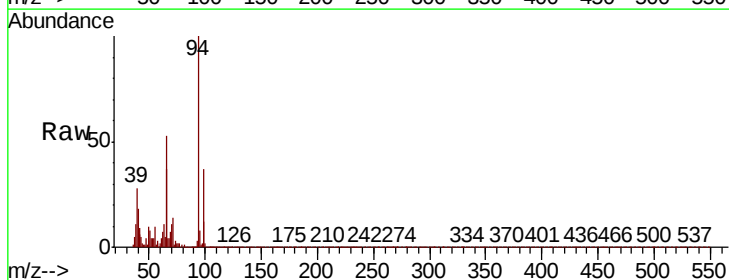
RT: 7.77 min Scan# 966

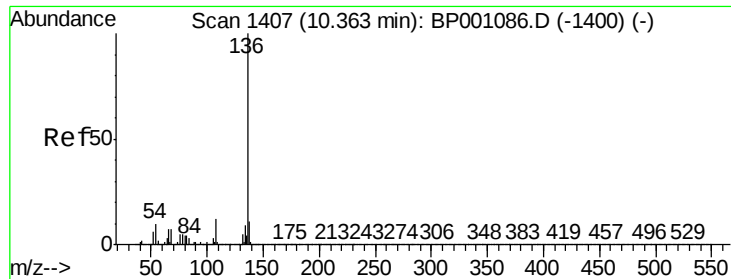
Delta R.T. -0.01 min

Lab File: BP001235.D

Acq: 06 Dec 2019 17:54

Tgt Ion:	94	Resp:	37368
Ion Ratio	Lower	Upper	
94	100		
65	36.6	25.6	65.6
66	53.2	52.6	92.6





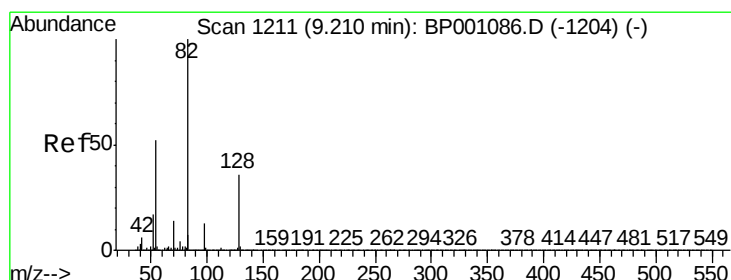
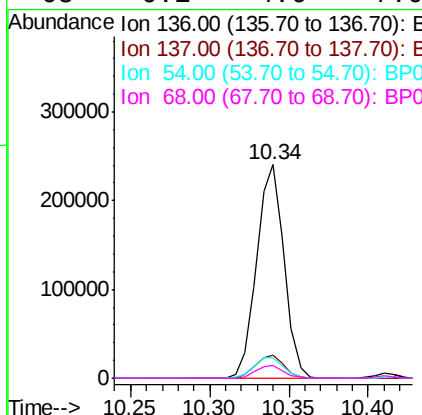
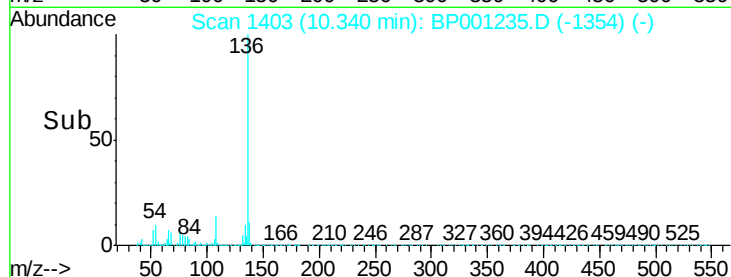
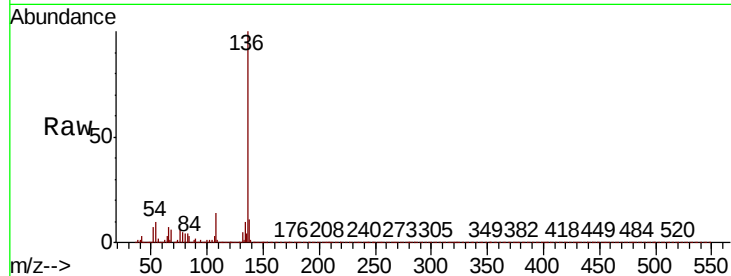
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.34 min Scan# 1403
Delta R.T. -0.01 min
Lab File: BP001235.D
Acq: 06 Dec 2019 17:54

Instrument :
BNA_P
ClientSampleId :
P001-WC009

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		289232		
137	10.8	8.4	12.6		
54	9.6	7.4	11.0		
68	6.1	4.6	7.0		

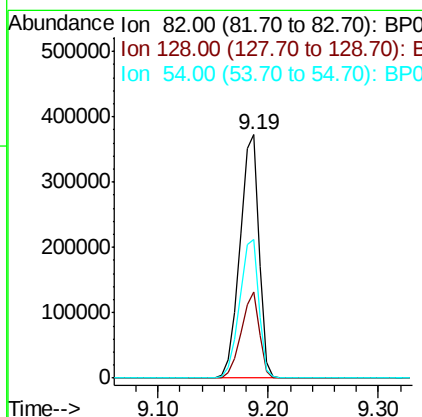
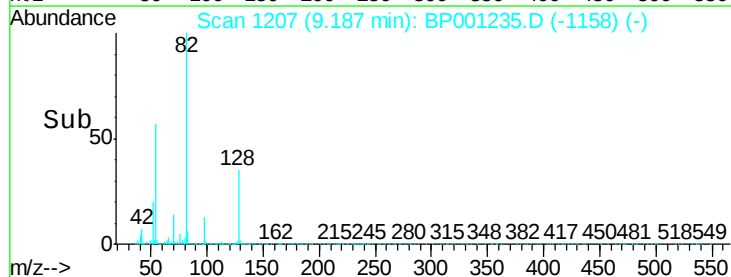
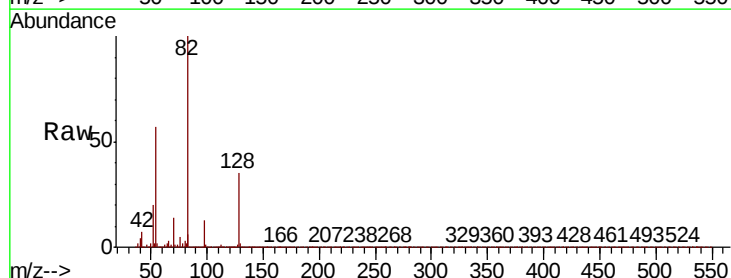
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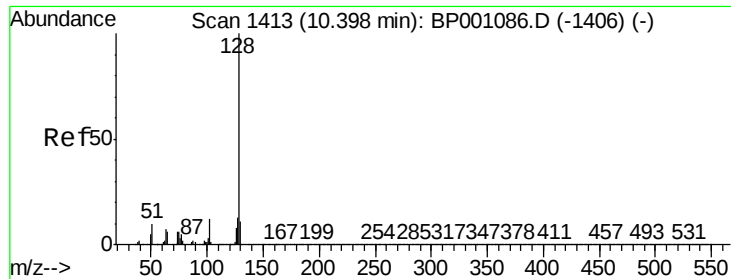
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#23
Nitrobenzene-d5
Concen: 67.771 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.01 min
Lab File: BP001235.D
Acq: 06 Dec 2019 17:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		451796		
128	35.3	27.5	41.3		
54	56.7	45.7	68.5		





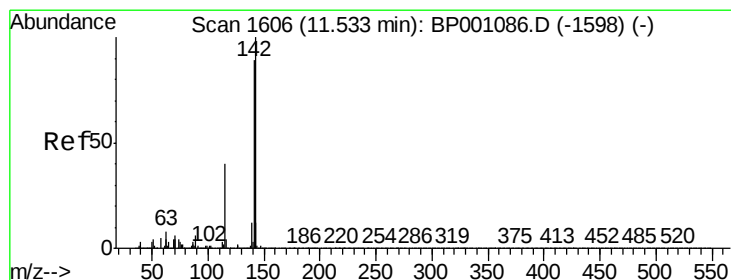
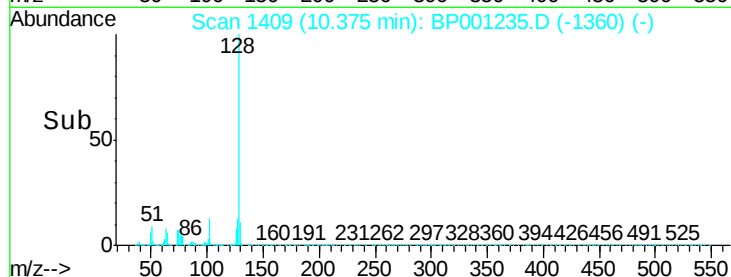
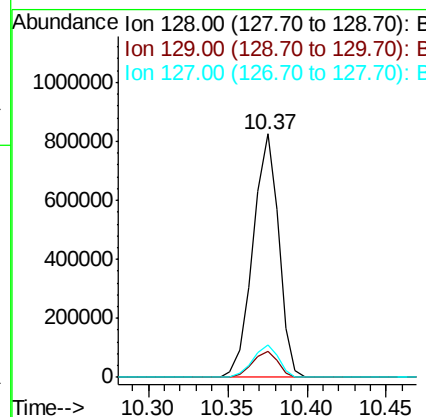
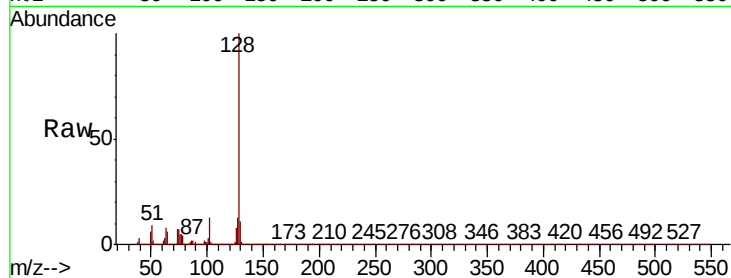
#31
Naphthalene
Concen: 62.964 ng
RT: 10.37 min Scan# 1409
Delta R.T. -0.01 min
Lab File: BP001235.D
Acq: 06 Dec 2019 17:54

Instrument :
BNA_P
ClientSampleId :
P001-WC009

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.3	12.5
127	13.5	10.6	16.0

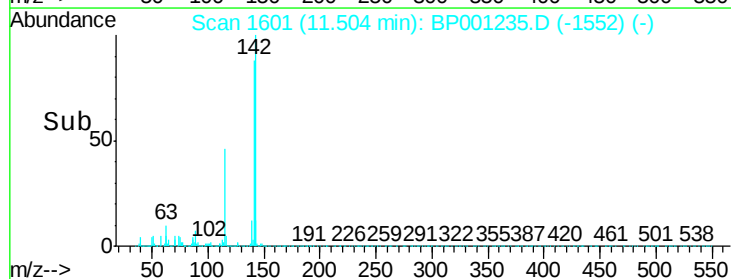
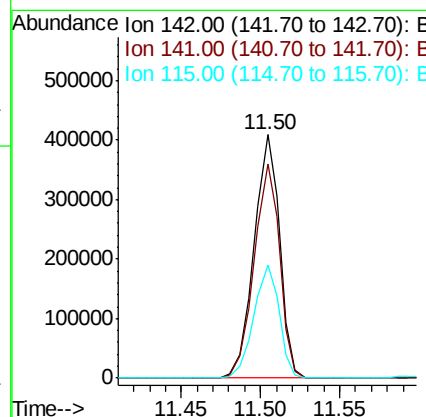
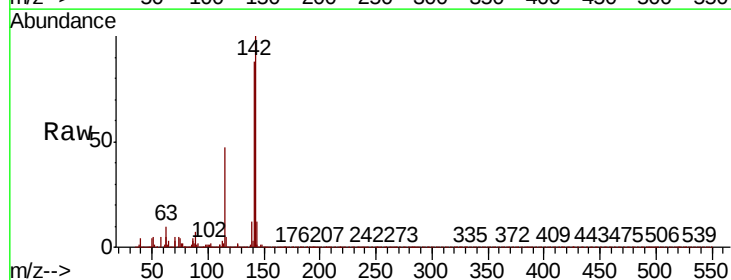
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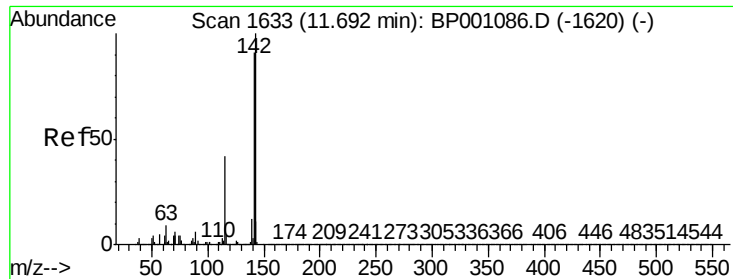
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#37
2-Methylnaphthalene
Concen: 45.368 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BP001235.D
Acq: 06 Dec 2019 17:54

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.9	71.6	107.4
115	46.5	36.0	54.0





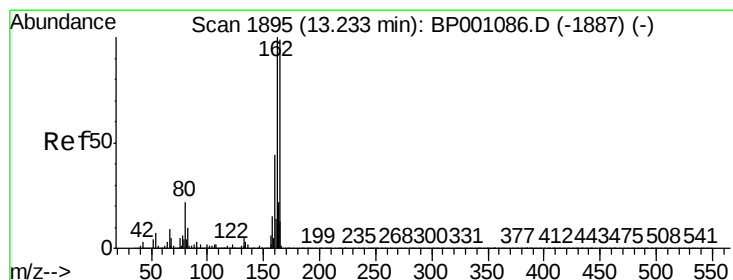
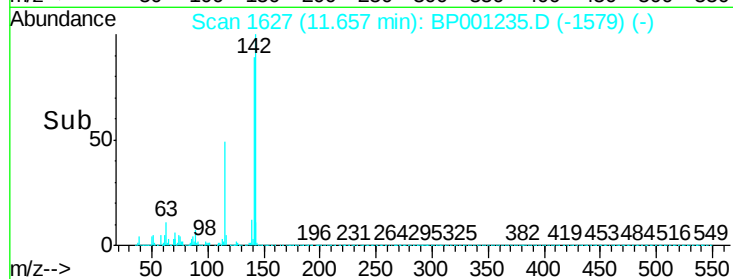
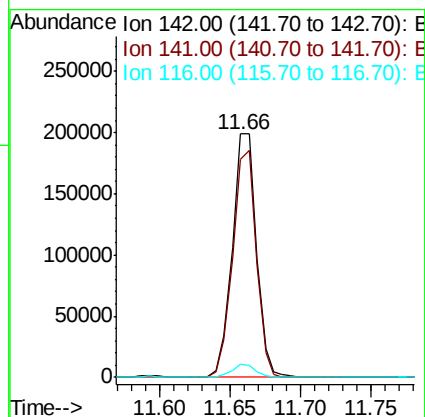
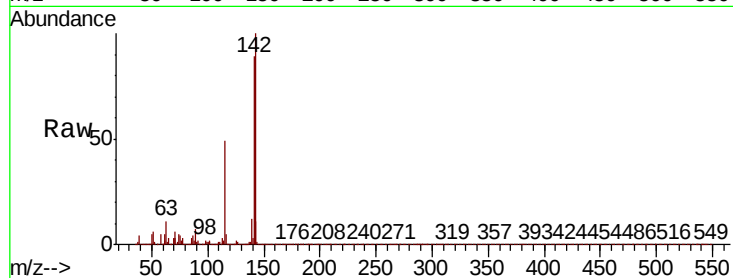
#38
1-Methylnaphthalene
Concen: 24.924 ng
RT: 11.66 min Scan# 1627
Delta R.T. -0.02 min
Lab File: BP001235.D
Acq: 06 Dec 2019 17:54

Instrument :
BNA_P
ClientSampled :
P001-WC009

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.4	72.7	109.1
116	5.5	3.8	5.6

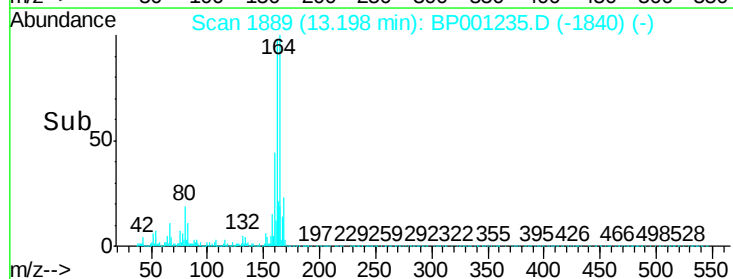
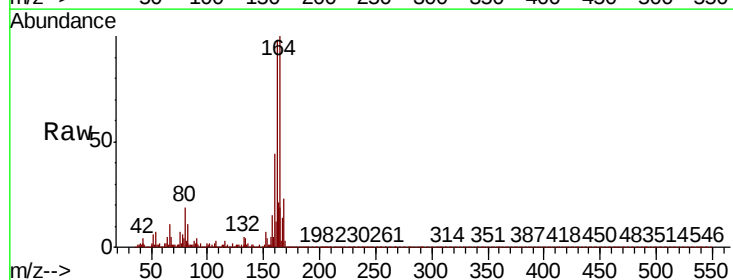
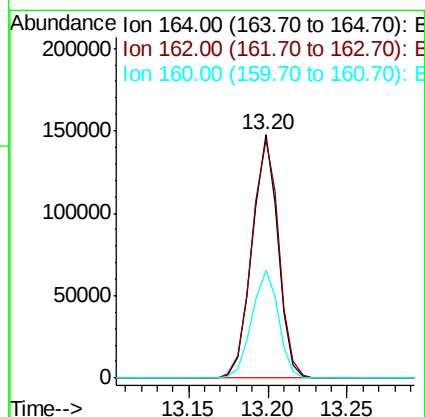
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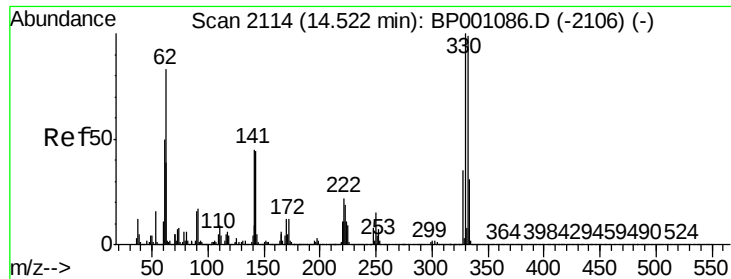
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 13.20 min Scan# 1889
Delta R.T. -0.01 min
Lab File: BP001235.D
Acq: 06 Dec 2019 17:54

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.2	80.7	121.1
160	44.3	36.3	54.5





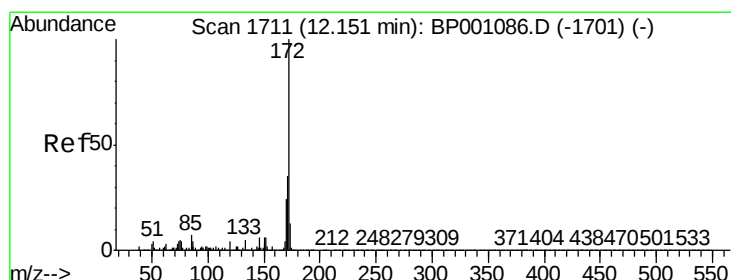
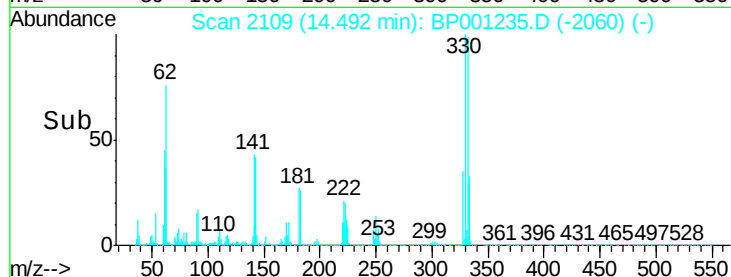
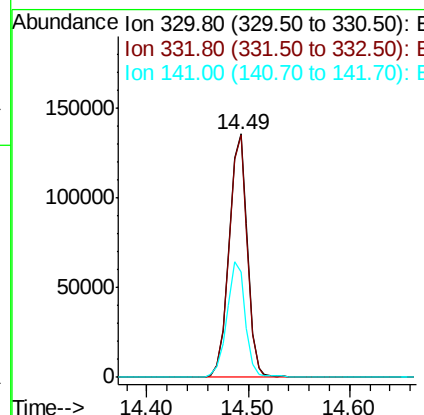
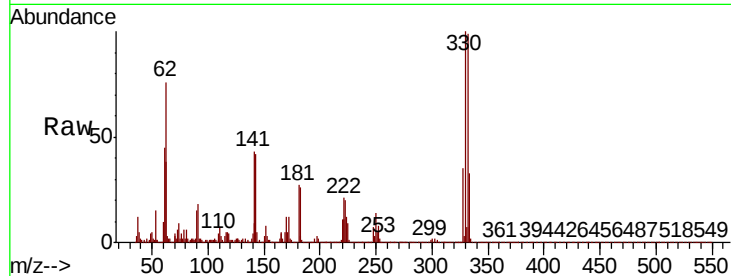
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2,4,6-Tribromophenol
Concen: 106.307 ng
RT: 14.49 min Scan# 2109
Delta R.T. -0.01 min
Lab File: BP001235.D
Acq: 06 Dec 2019 17:54

Instrument :
BNA_P
ClientSampleId :
P001-WC009

Tot Ion	Ratio	Resp	Lower	Upper
330	100	169690		
332	98.5	79.1	118.7	
141	47.4	35.9	53.9	

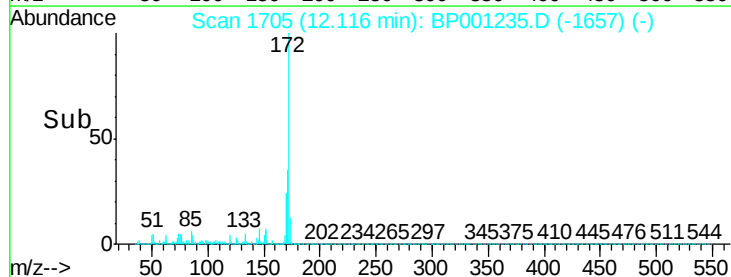
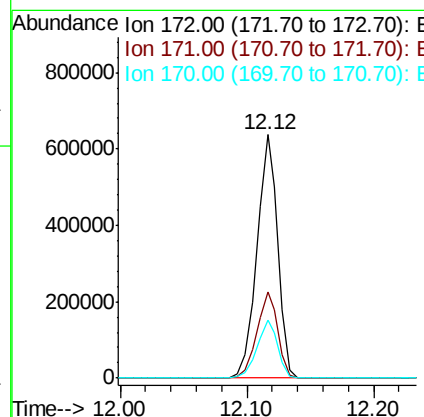
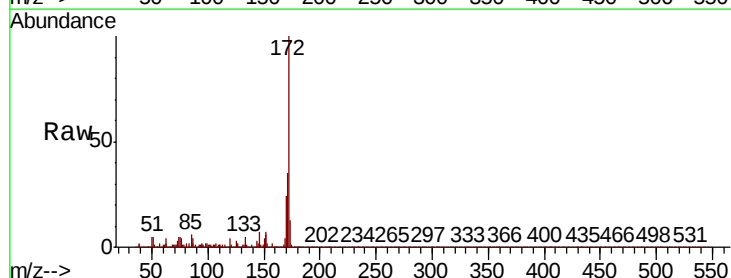
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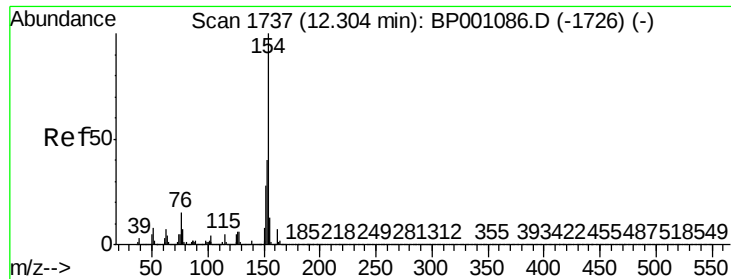
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#45
2-Fluorobiphenyl
Concen: 64.088 ng
RT: 12.12 min Scan# 1705
Delta R.T. -0.02 min
Lab File: BP001235.D
Acq: 06 Dec 2019 17:54

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	729221		
171	35.3	28.7	43.1	
170	24.0	19.2	28.8	





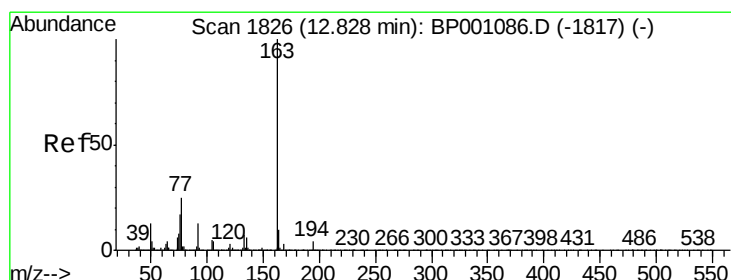
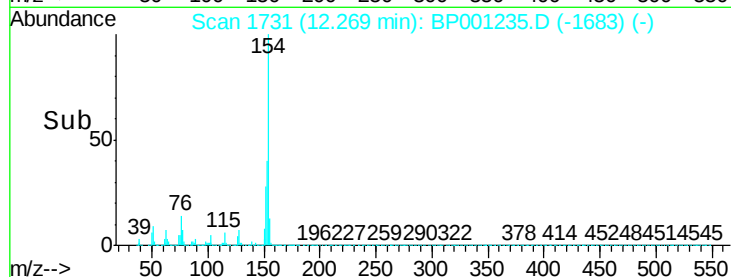
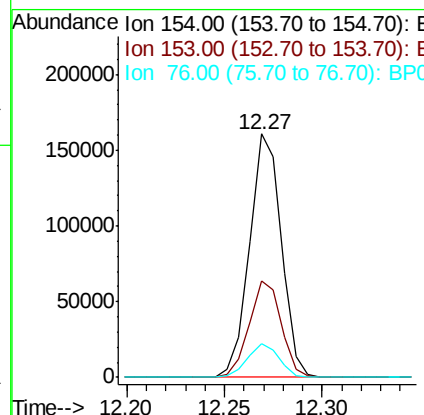
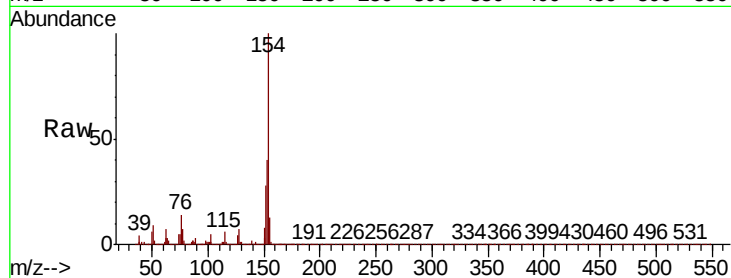
#46
1,1'-Biphenyl
Concen: 14.078 ng
RT: 12.27 min Scan# 1731
Delta R.T. -0.02 min
Lab File: BP001235.D
Acq: 06 Dec 2019 17:54

Instrument :
BNA_P
ClientSampleId :
P001-WC009

Tot Ion	Ratio	Resp Lower	Upper
154	100		
153	39.9	19.3	59.3
76	13.6	0.0	34.2

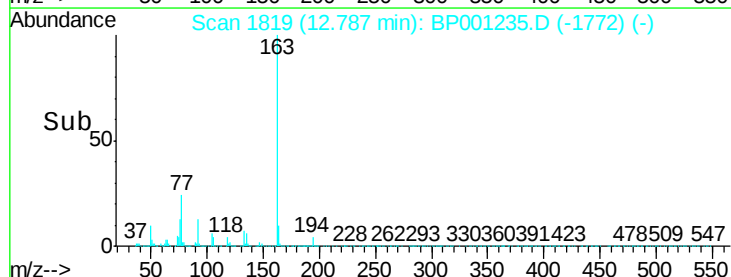
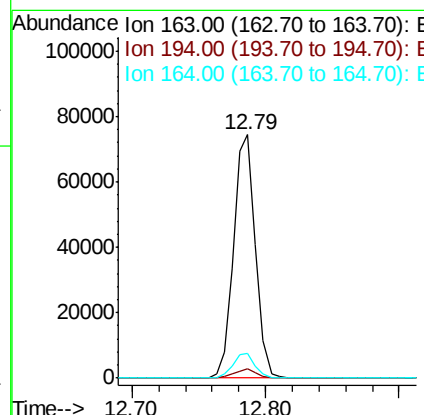
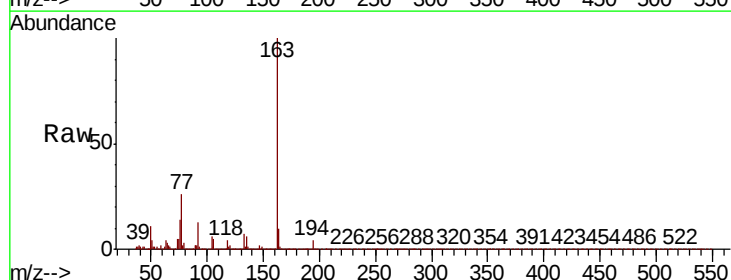
Manual Integrations
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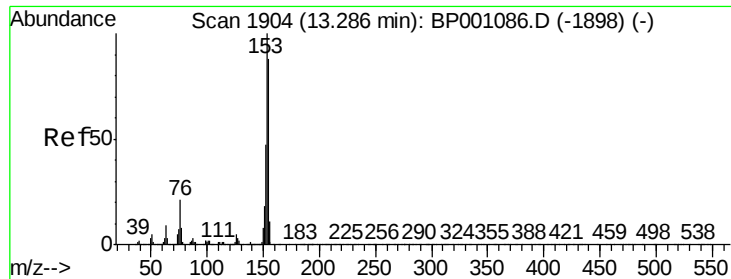
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#50
Dimethylphthalate
Concen: 6.825 ng
RT: 12.79 min Scan# 1819
Delta R.T. -0.02 min
Lab File: BP001235.D
Acq: 06 Dec 2019 17:54

Tgt Ion	Ratio	Resp Lower	Upper
163	100		
194	3.6	3.1	4.7
164	10.4	8.2	12.4





#52

Acenaphthene

Concen: 40.060 ng

RT: 13.25 min Scan# 1898

Delta R.T. -0.02 min

Lab File: BP001235.D

Acq: 06 Dec 2019 17:54

Instrument :

BNA_P

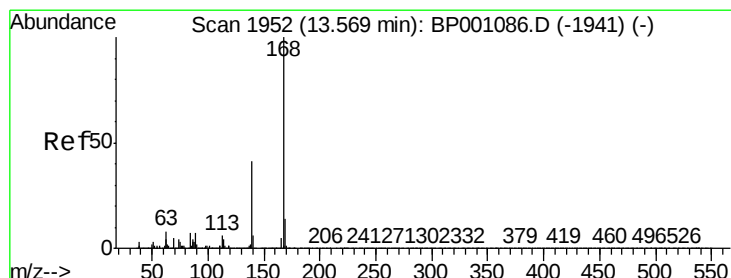
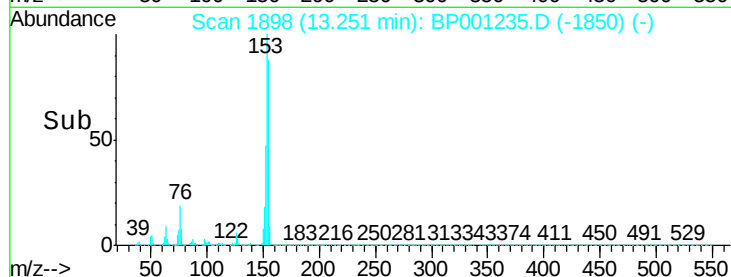
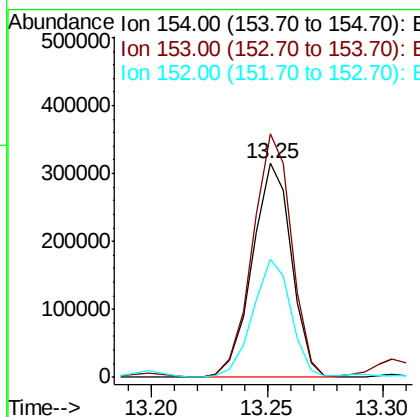
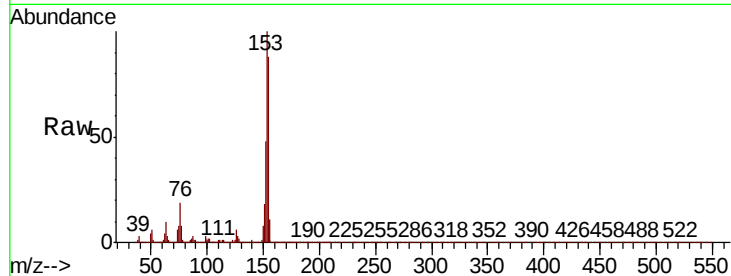
ClientSampleId :

P001-WC009

Tot Ion:	154	Resp:	371344
Ion Ratio	Lower	Upper	
154	100		
153	113.8	90.3	135.5
152	55.2	42.9	64.3

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#55

Dibenzofuran

Concen: 38.722 ng

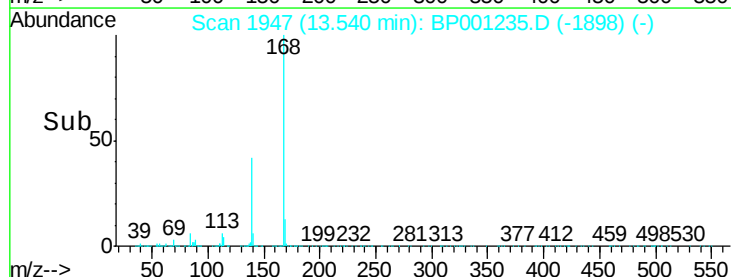
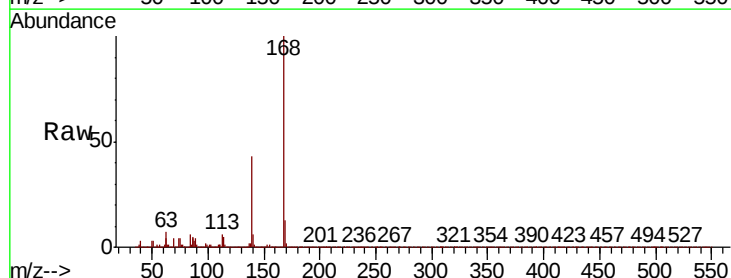
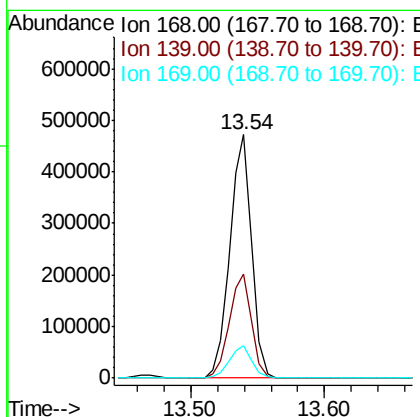
RT: 13.54 min Scan# 1947

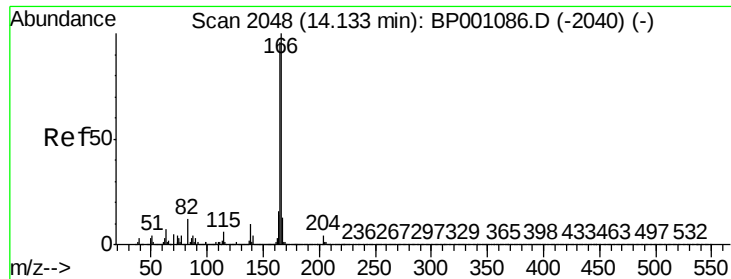
Delta R.T. -0.01 min

Lab File: BP001235.D

Acq: 06 Dec 2019 17:54

Tgt Ion:	168	Resp:	539373
Ion Ratio	Lower	Upper	
168	100		
139	42.6	34.5	51.7
169	13.2	10.8	16.2





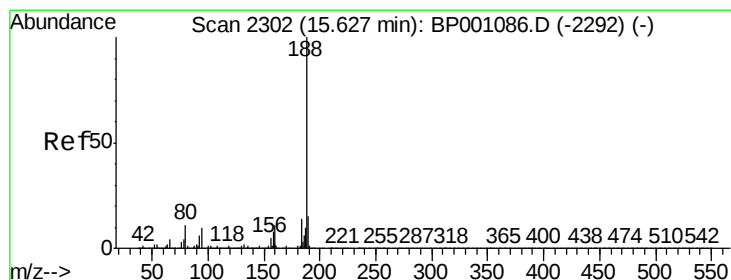
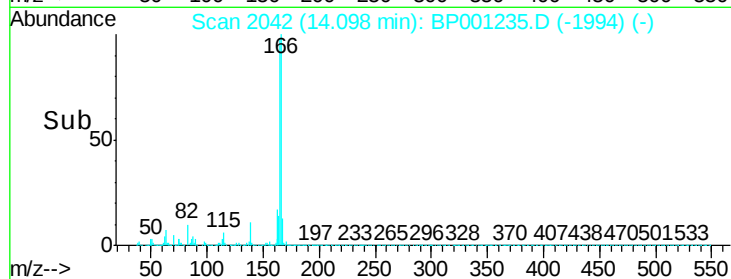
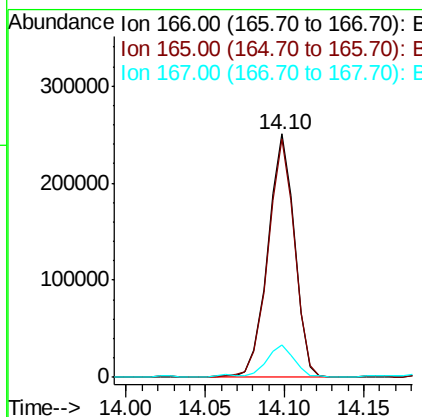
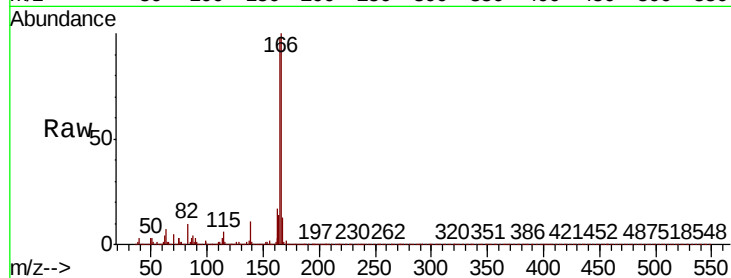
#58
Fluorene
 Concen: 26.284 ng
 RT: 14.10 min Scan# 2042
 Delta R.T. -0.02 min
 Lab File: BP001235.D
 Acq: 06 Dec 2019 17:54

Instrument :
 BNA_P
 ClientSampleId :
 P001-WC009

Tot Ion:	166	Resp:	293370
Ion Ratio	Lower	Upper	
166	100		
165	97.8	77.8	116.8
167	13.5	10.5	15.7

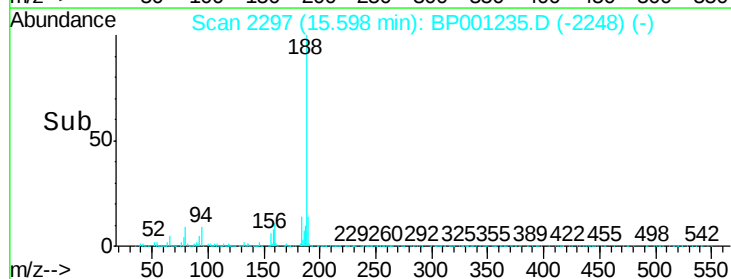
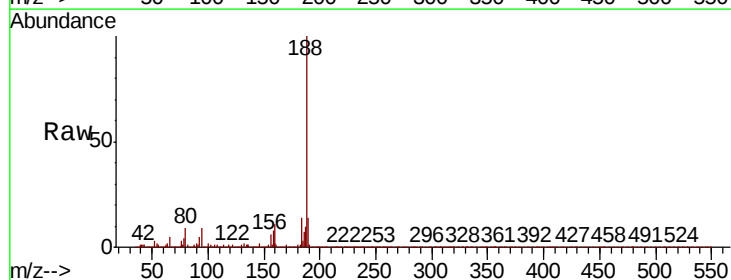
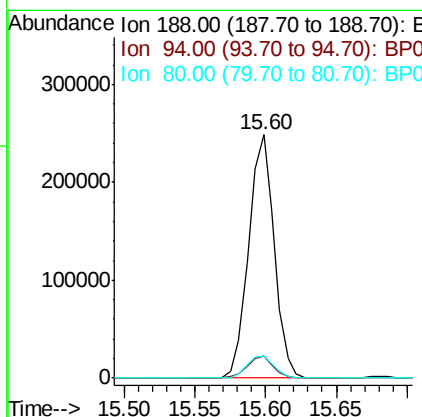
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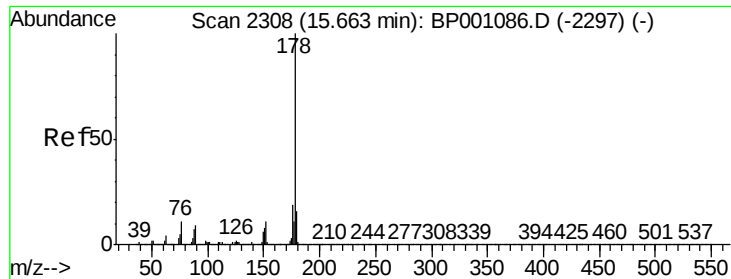
mohammad
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#64
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 15.60 min Scan# 2297
 Delta R.T. -0.01 min
 Lab File: BP001235.D
 Acq: 06 Dec 2019 17:54

Tgt Ion:	188	Resp:	315592
Ion Ratio	Lower	Upper	
188	100		
94	8.9	7.1	10.7
80	9.3	7.8	11.6





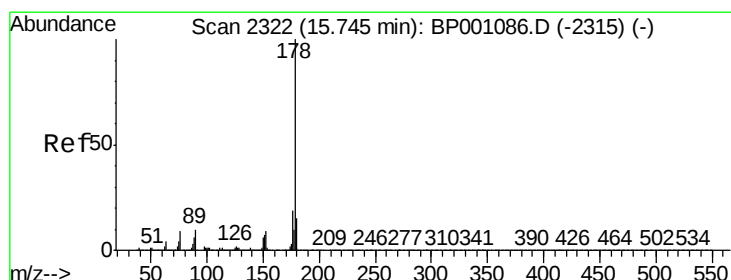
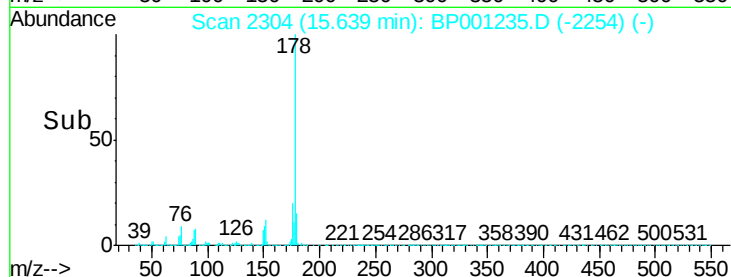
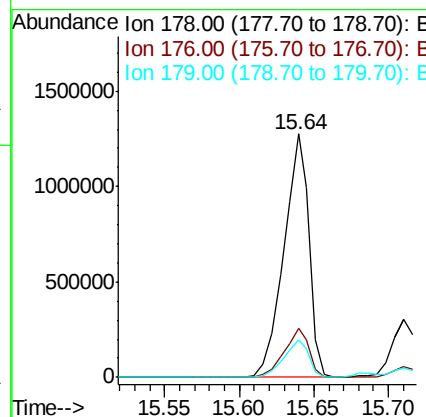
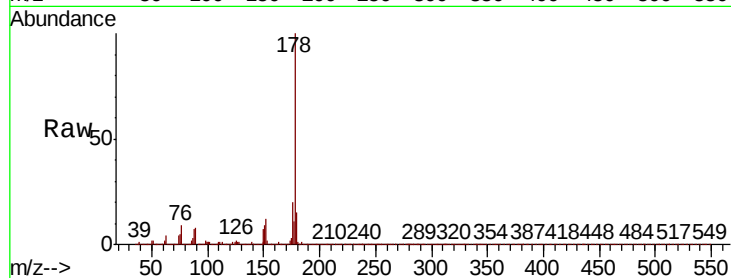
#71
Phenanthrene
Concen: 90.574 ng
RT: 15.64 min Scan# 2304
Delta R.T. -0.01 min
Lab File: BP001235.D
Acq: 06 Dec 2019 17:54

Instrument :
BNA_P
ClientSampleId :
P001-WC009

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.7	23.5
179	15.5	12.4	18.6

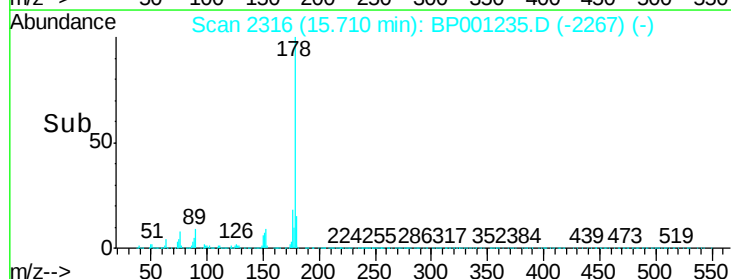
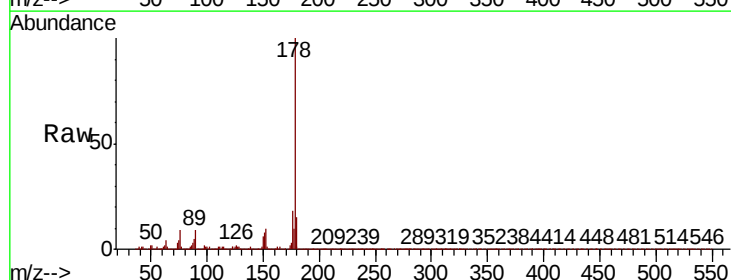
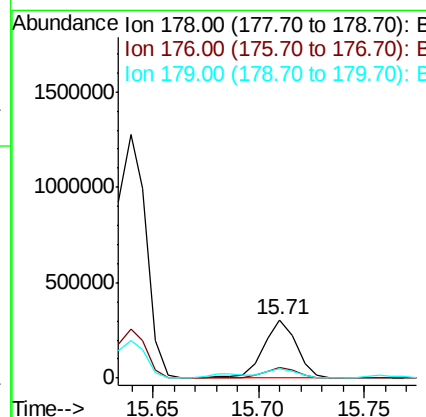
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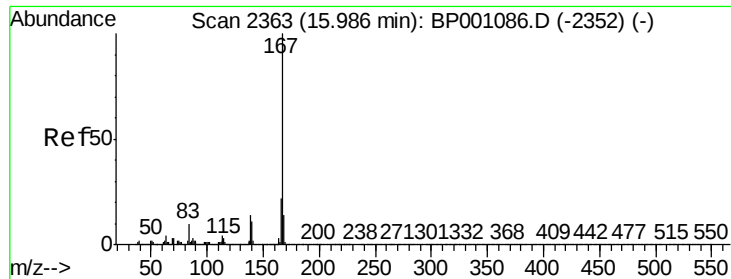
mohammad
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#72
Anthracene
Concen: 20.039 ng
RT: 15.71 min Scan# 2316
Delta R.T. -0.01 min
Lab File: BP001235.D
Acq: 06 Dec 2019 17:54

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.1	22.7
179	15.5	12.7	19.1





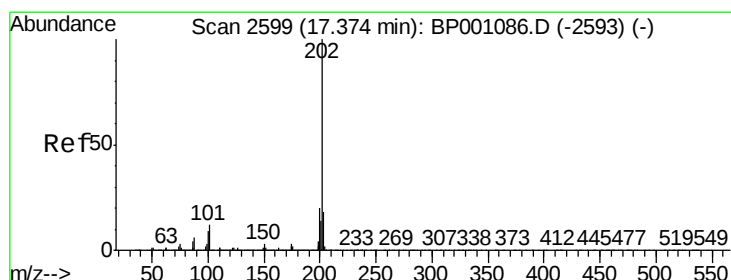
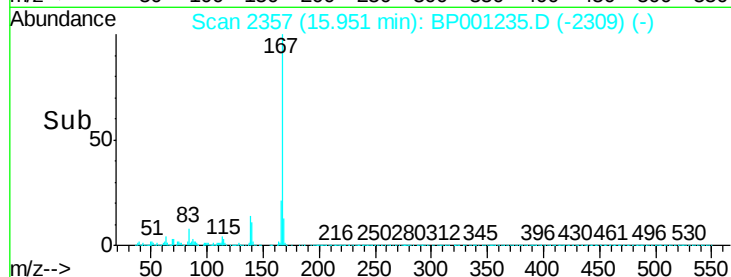
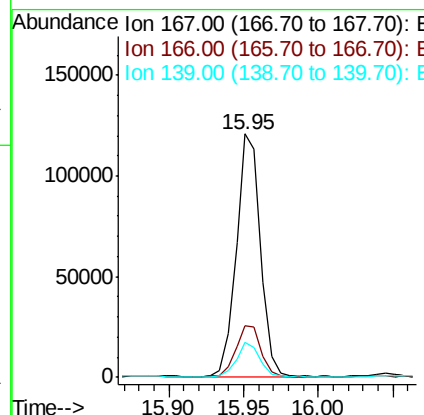
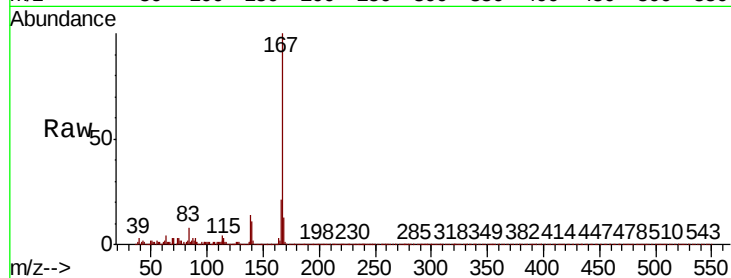
#73
 Carbazole
 Concen: 9.123 ng
 RT: 15.95 min Scan# 2357
 Delta R.T. -0.02 min
 Lab File: BP001235.D
 Acq: 06 Dec 2019 17:54

Instrument :
 BNA_P
 ClientSampleId :
 P001-WC009

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.4	26.0
139	14.5	11.4	17.0

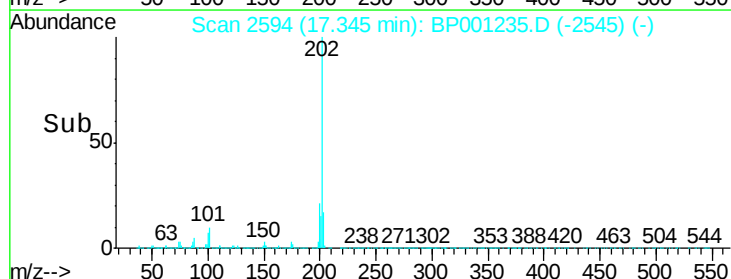
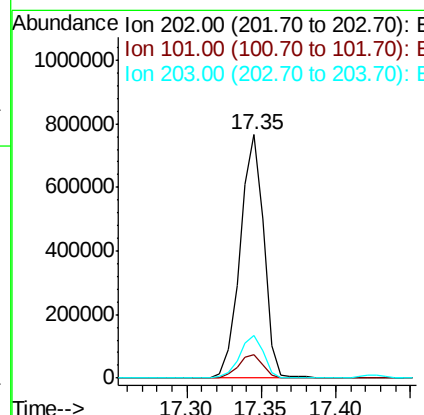
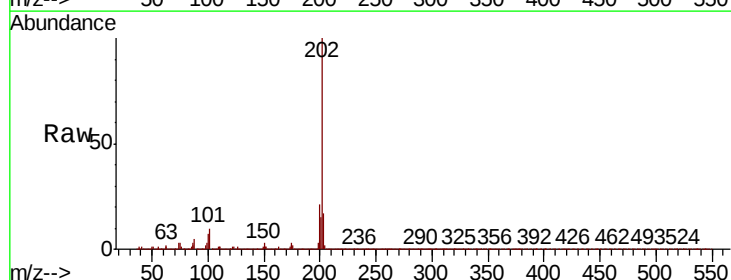
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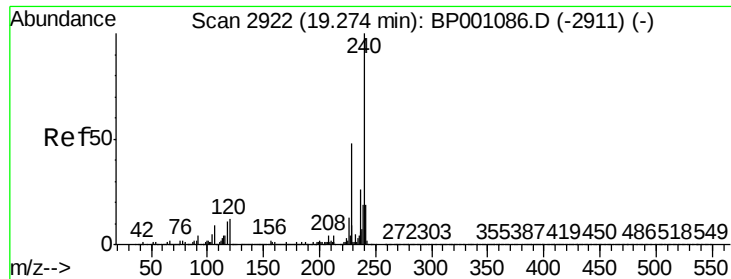
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#75
 Fluoranthene
 Concen: 48.126 ng
 RT: 17.35 min Scan# 2594
 Delta R.T. -0.01 min
 Lab File: BP001235.D
 Acq: 06 Dec 2019 17:54

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	30.0
203	17.4	0.0	37.1





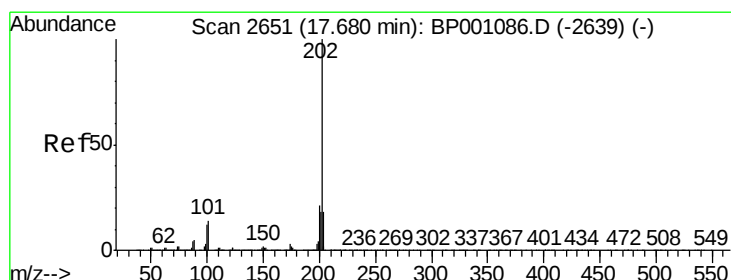
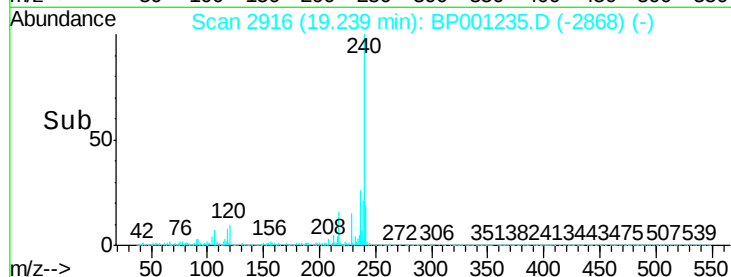
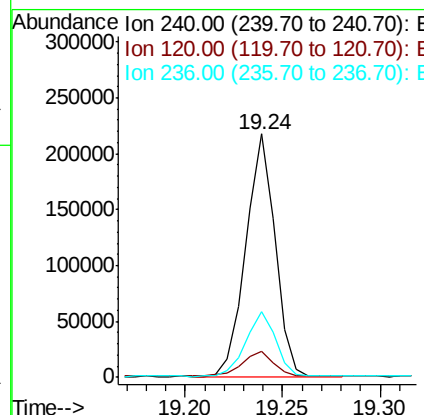
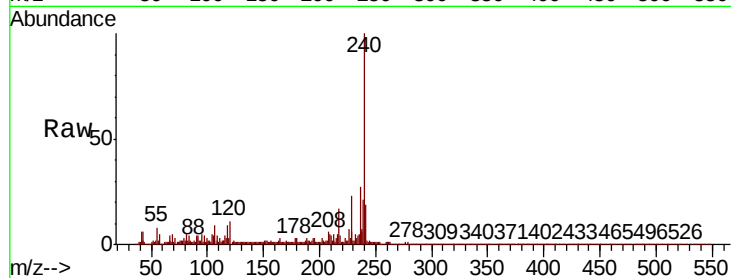
#76
Chrysene-d12
Concen: 20.000 ng
RT: 19.24 min Scan# 2916
Delta R.T. -0.02 min
Lab File: BP001235.D
Acq: 06 Dec 2019 17:54

Instrument :
BNA_P
ClientSampleId :
P001-WC009

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.9	7.0	10.6
236	26.9	21.7	32.5

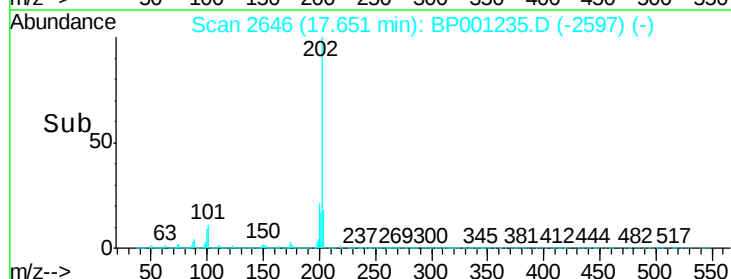
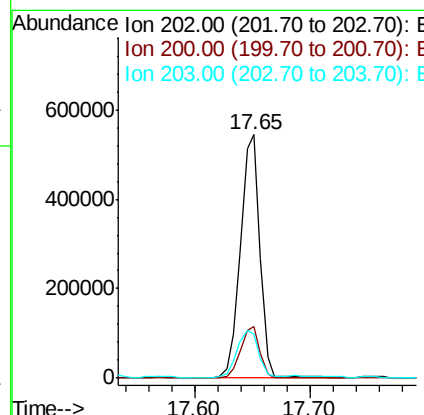
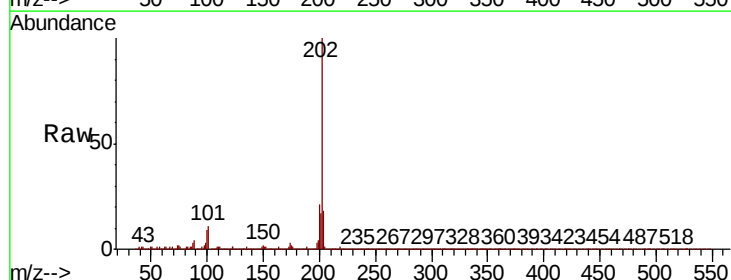
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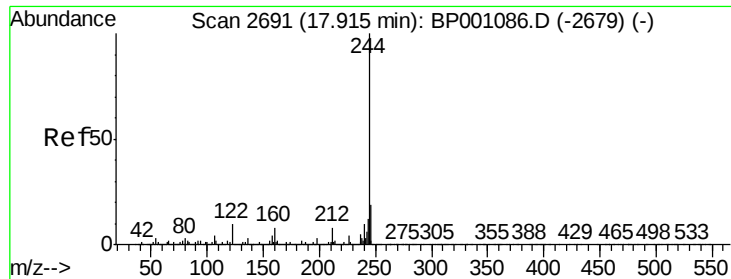
mohammad
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#78
Pyrene
Concen: 35.616 ng
RT: 17.65 min Scan# 2646
Delta R.T. -0.01 min
Lab File: BP001235.D
Acq: 06 Dec 2019 17:54

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.3	25.9
203	18.1	13.8	20.8





#79

Terphenyl-d14

Concen: 66.111 ng

RT: 17.88 min Scan# 2685

Delta R.T. -0.01 min

Lab File: BP001235.D

Acq: 06 Dec 2019 17:54

Instrument :

BNA_P

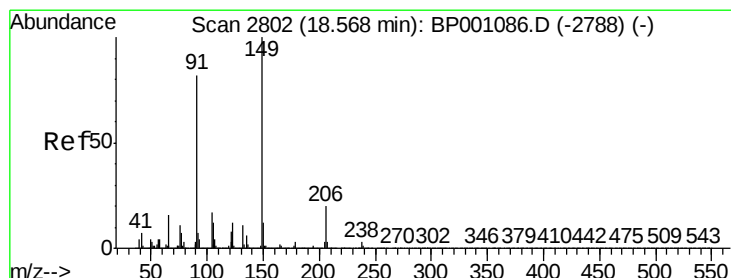
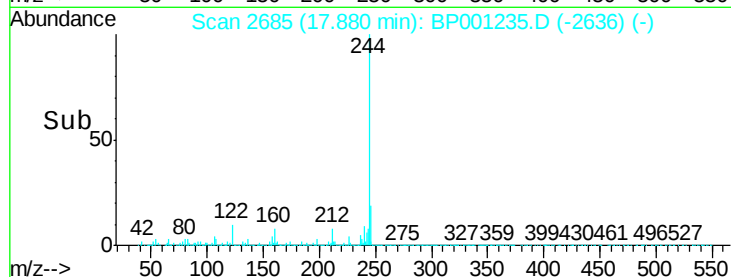
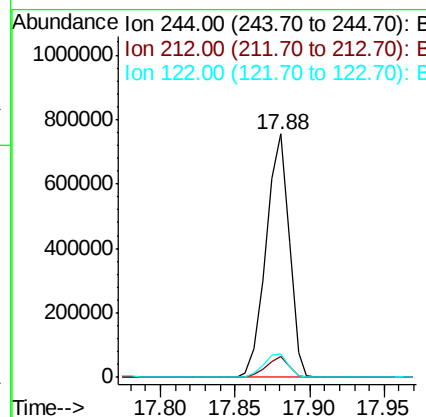
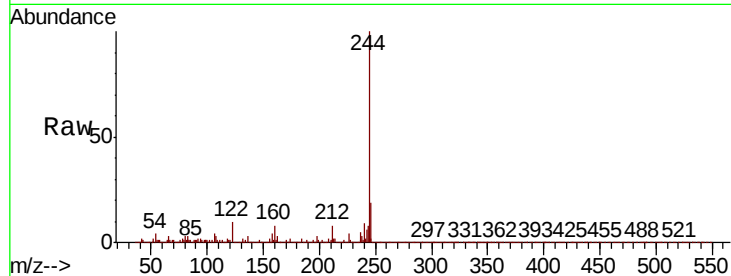
ClientSampled :

P001-WC009

Tot Ion:	244	Resp:	805025
Ion Ratio		Lower	Upper
244	100		
212	8.3	6.6	9.8
122	9.7	9.2	13.8

Manual Integrations
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#80

Butylbenzylphthalate

Concen: 2.887 ng

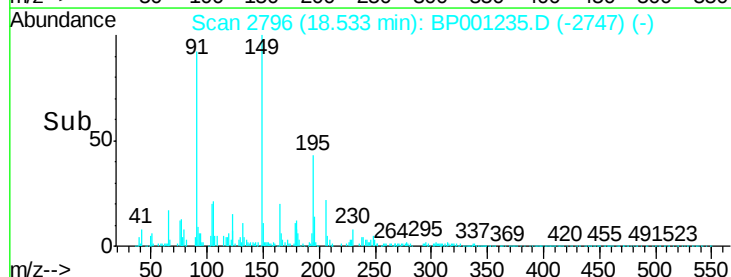
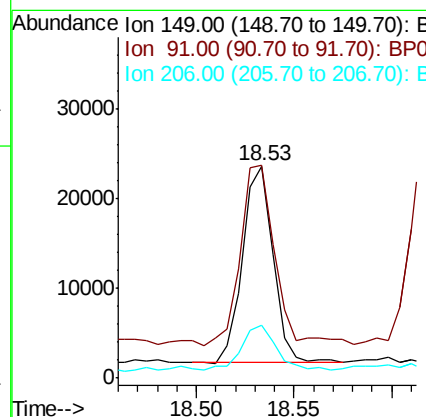
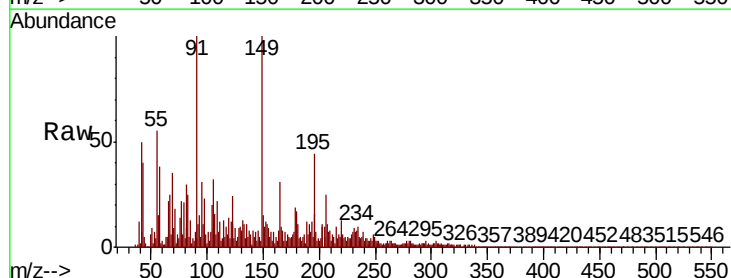
RT: 18.53 min Scan# 2796

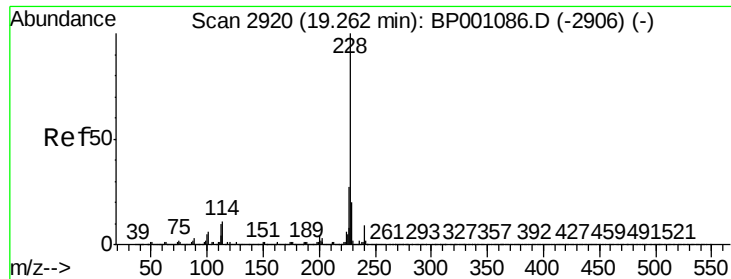
Delta R.T. -0.01 min

Lab File: BP001235.D

Acq: 06 Dec 2019 17:54

Tgt Ion:	149	Resp:	23657
Ion Ratio		Lower	Upper
149	100		
91	100.1	67.4	101.2
206	24.7	15.0	22.4#





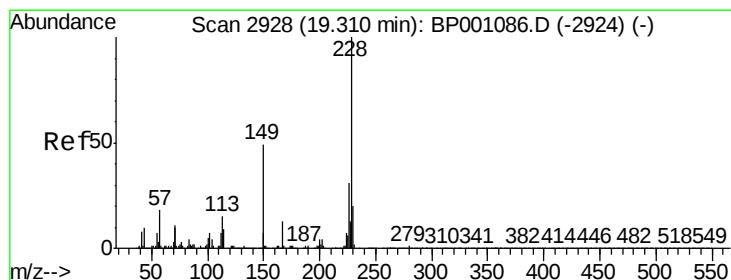
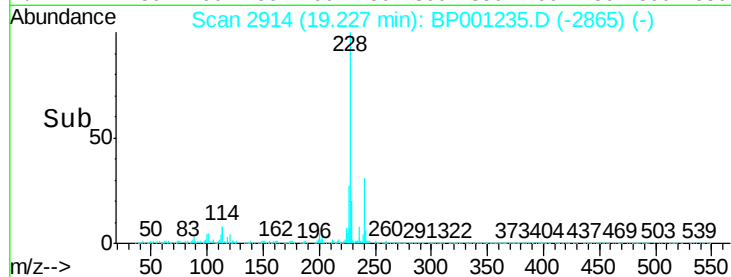
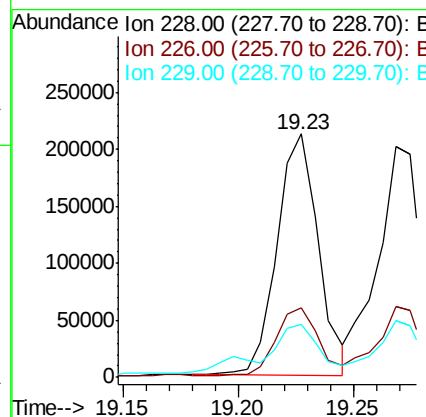
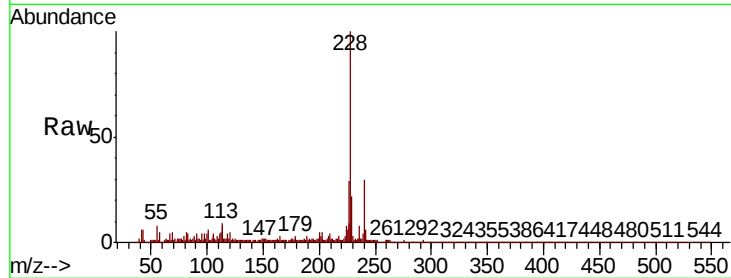
#81
Benzo(a)anthracene
Concen: 16.822 ng
RT: 19.23 min Scan# 2914
Delta R.T. -0.01 min
Lab File: BP001235.D
Acq: 06 Dec 2019 17:54

Instrument :
BNA_P
ClientSampleId :
P001-WC009

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.7	21.7	32.5
229	21.7	15.8	23.6

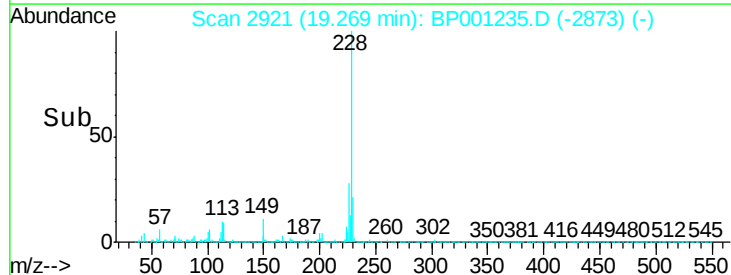
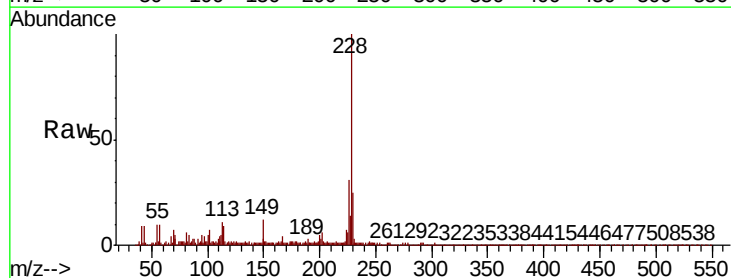
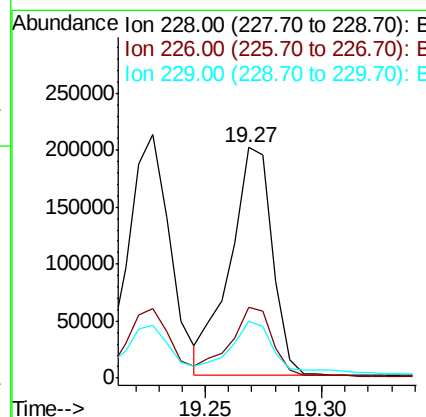
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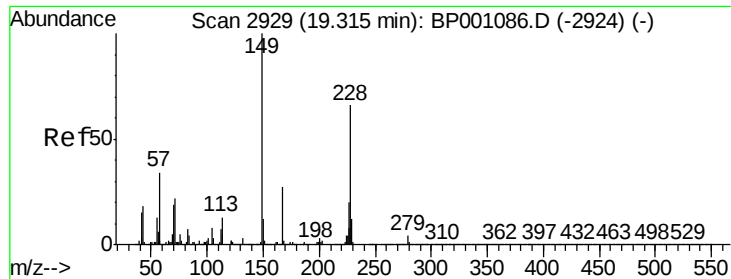
mohammad
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#83
Chrysene
Concen: 18.257 ng m
RT: 19.27 min Scan# 2921
Delta R.T. -0.02 min
Lab File: BP001235.D
Acq: 06 Dec 2019 17:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	23.7	35.5
229	24.8	15.2	22.8#





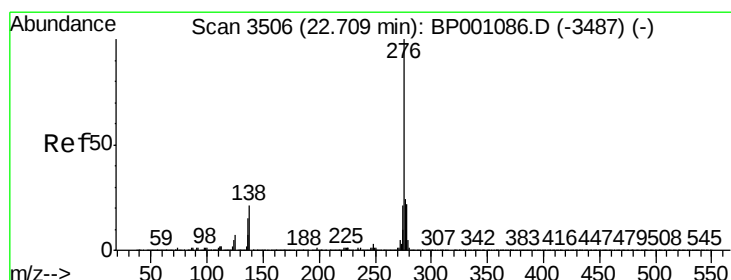
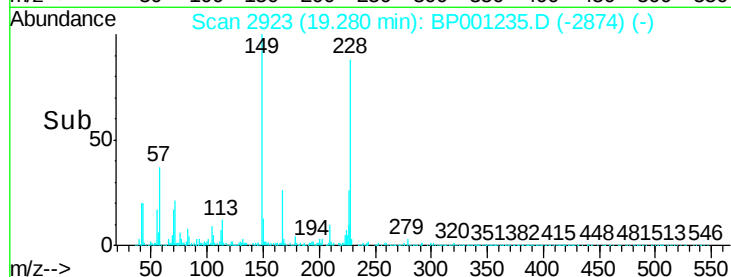
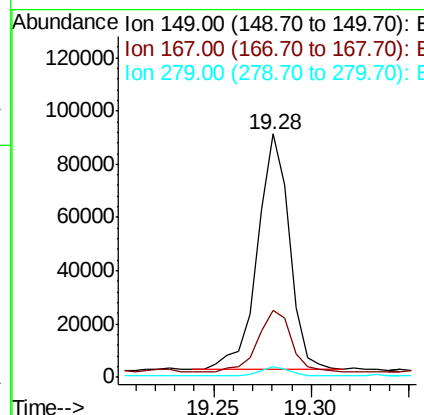
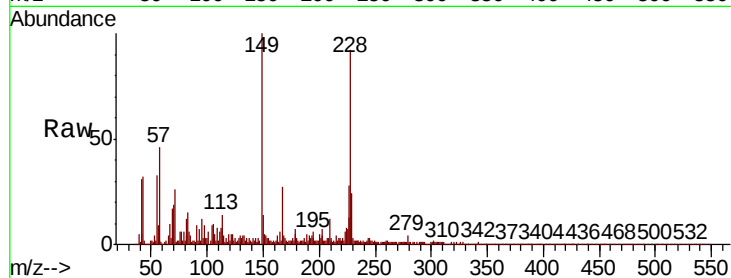
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 8.926 ng
 RT: 19.28 min Scan# 2923
 Delta R.T. -0.01 min
 Lab File: BP001235.D
 Acq: 06 Dec 2019 17:54

Instrument :
 BNA_P
 ClientSampleId :
 P001-WC009

Tot Ion	Ratio	Resp Lower	Upper
149	100		
167	27.5	20.8	31.2
279	4.2	2.8	4.2#

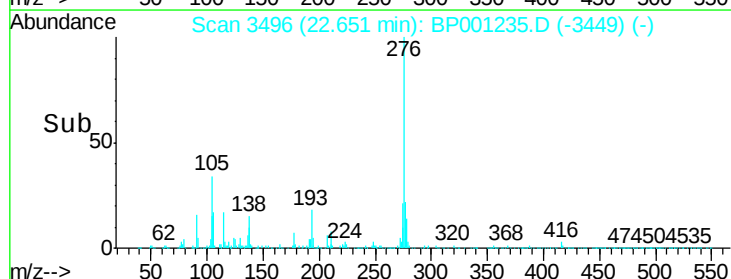
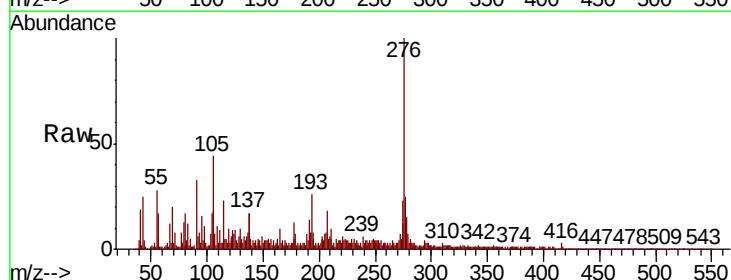
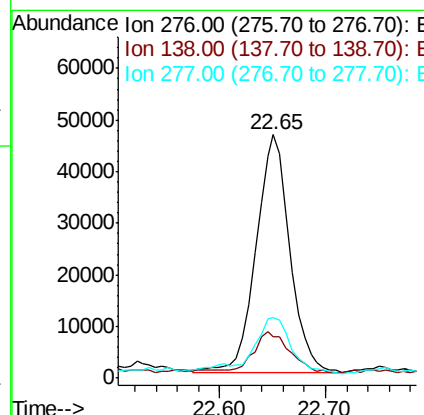
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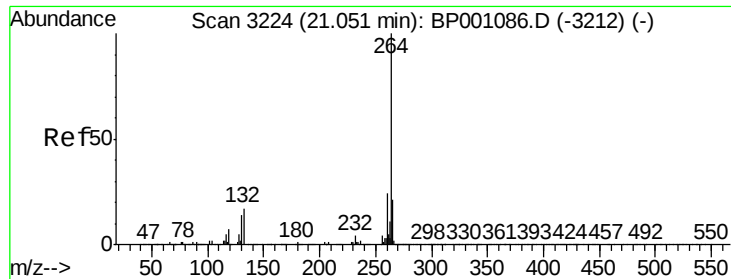
mohammad
 12/9/2019 3:10:44 PM



#86
 Indeno(1,2,3-cd)pyrene
 Concen: 6.178 ng
 RT: 22.65 min Scan# 3496
 Delta R.T. -0.02 min
 Lab File: BP001235.D
 Acq: 06 Dec 2019 17:54

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
138	18.4	17.9	26.9
277	25.3	20.1	30.1





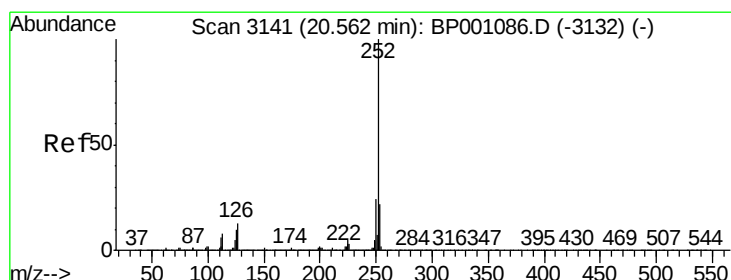
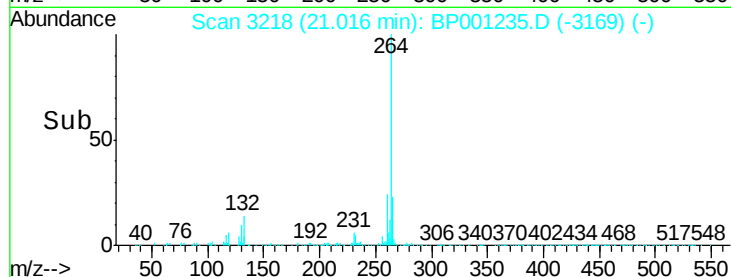
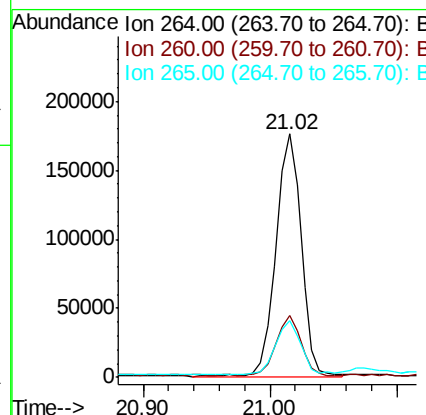
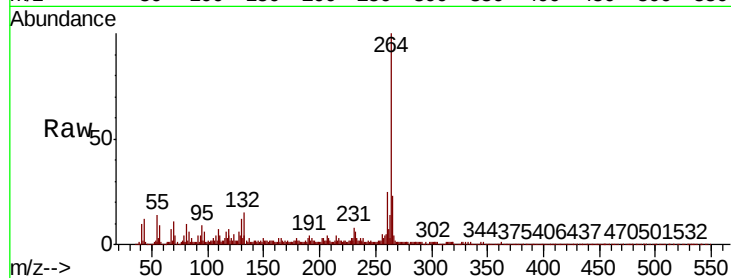
#87
Pervlene-d12
Concen: 20.000 ng
RT: 21.02 min Scan# 3218
Delta R.T. -0.01 min
Lab File: BP001235.D
Acq: 06 Dec 2019 17:54

Instrument :
BNA_P
ClientSampleId :
P001-WC009

Tot Ion:	264	Resp:	242751
Ion Ratio	Lower	Upper	
264	100		
260	25.3	19.4	29.0
265	23.4	17.1	25.7

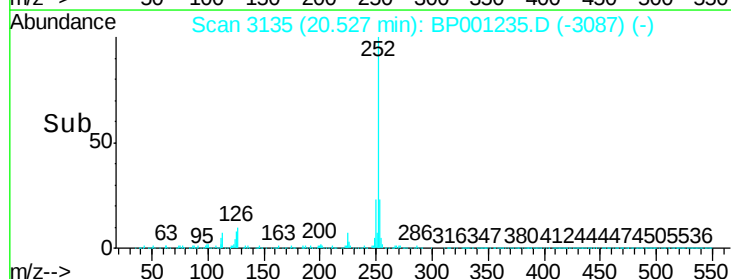
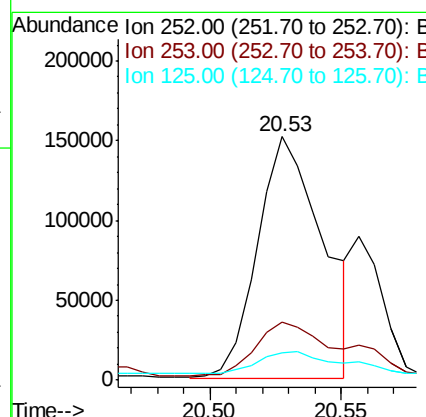
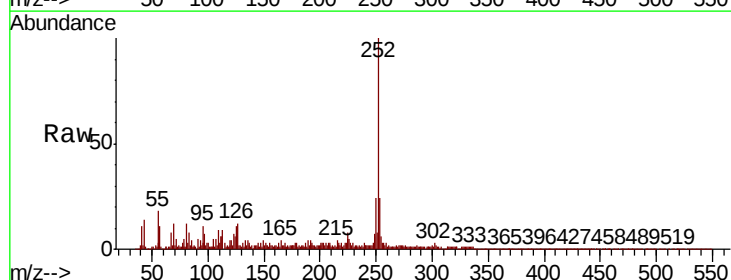
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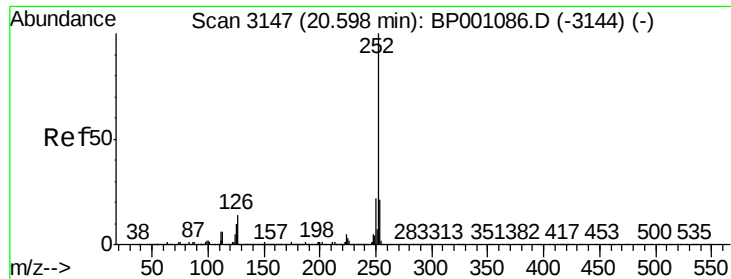
mohammad
12/9/2019 3:10:44 PM



#88
Benzo(b)fluoranthene
Concen: 17.735 ng m
RT: 20.53 min Scan# 3135
Delta R.T. -0.02 min
Lab File: BP001235.D
Acq: 06 Dec 2019 17:54

Tgt Ion:	252	Resp:	262966
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.0	25.6
125	11.0	6.6	9.8#





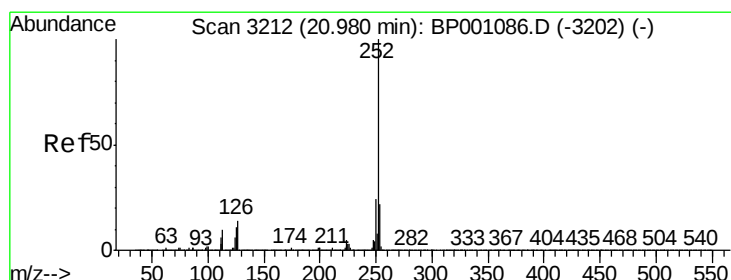
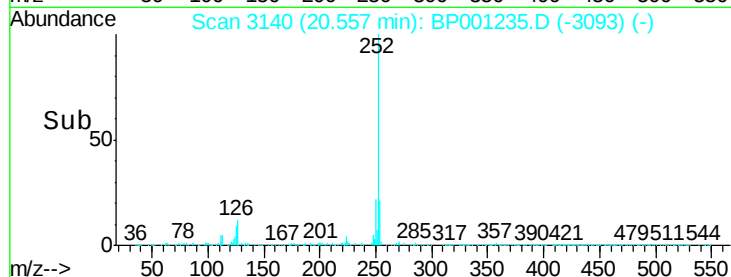
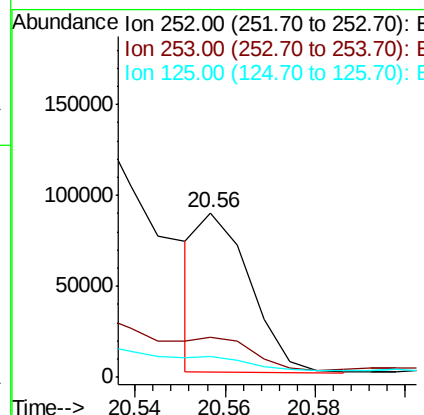
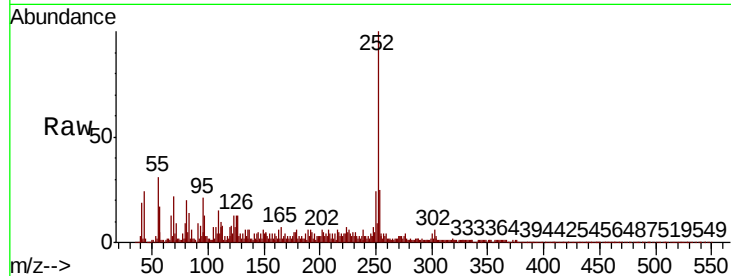
#89
Benzo(k)fluoranthene
Concen: 4.823 ng m
RT: 20.56 min Scan# 3140
Delta R.T. -0.02 min
Lab File: BP001235.D
Acq: 06 Dec 2019 17:54

Instrument :
BNA_P
ClientSampleId :
P001-WC009

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.2	25.8
125	12.8	6.2	9.4

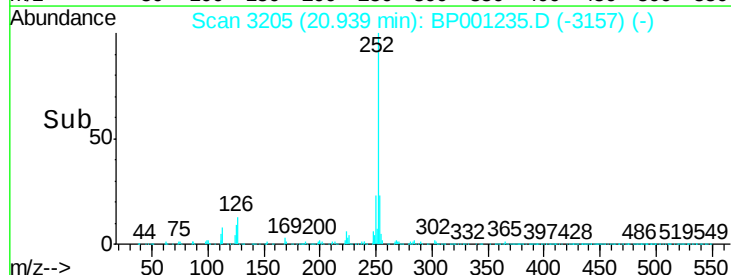
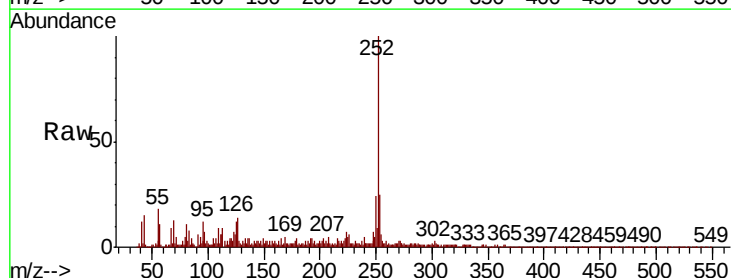
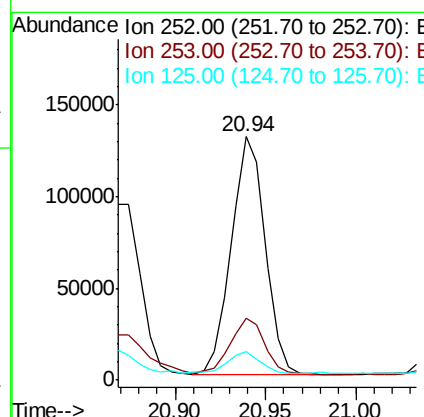
Manual Integrations
APPROVED

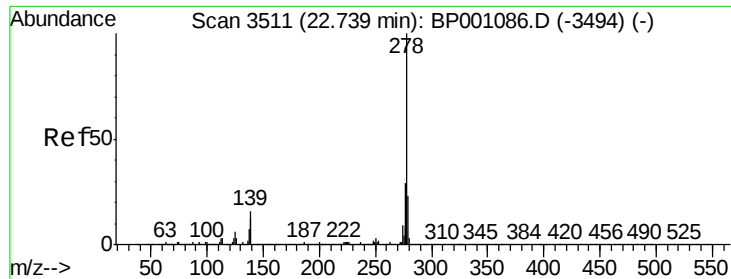
mohammad
12/9/2019 3:10:44 PM



#90
Benzo(a)pyrene
Concen: 12.417 ng
RT: 20.94 min Scan# 3205
Delta R.T. -0.02 min
Lab File: BP001235.D
Acq: 06 Dec 2019 17:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	16.8	25.2
125	11.5	7.8	11.6





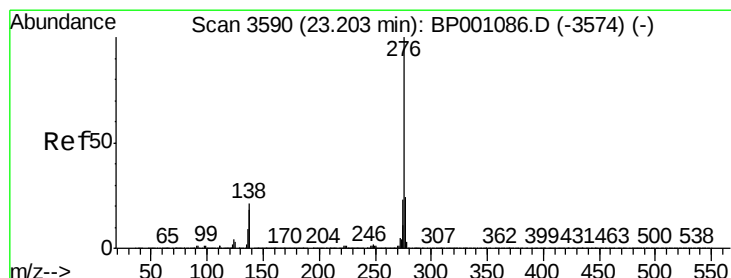
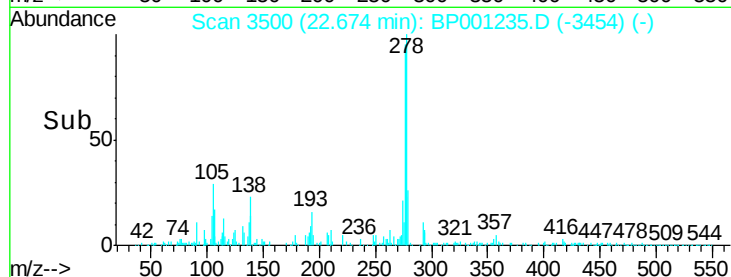
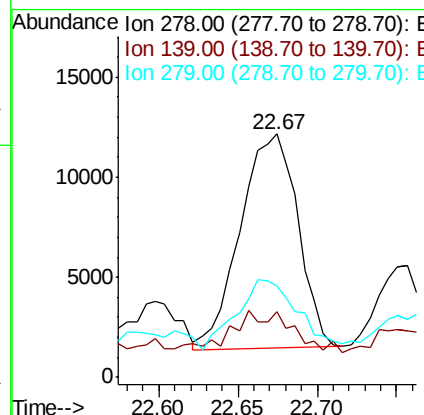
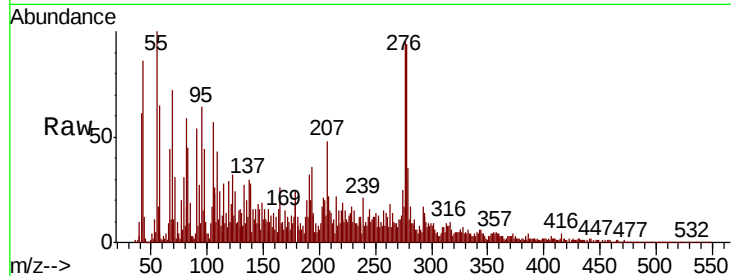
#91
Dibenzo(a,h)anthracene
Concen: 2.019 ng
RT: 22.67 min Scan# 3500
Delta R.T. -0.03 min
Lab File: BP001235.D
Acq: 06 Dec 2019 17:54

Instrument :
BNA_P
ClientSampleId :
P001-WC009

Tot Ion	Ratio	Lower	Upper
278	100		
139	26.9	11.6	17.4#
279	37.7	18.7	28.1#

Manual Integrations
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12/9/2019 3:10:44 PM



#92
Benzo(g,h,i)perylene
Concen: 7.000 ng
RT: 23.14 min Scan# 3579
Delta R.T. -0.03 min
Lab File: BP001235.D
Acq: 06 Dec 2019 17:54

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.6	28.0
138	18.7	15.6	23.4

