

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP010320\
 Data File : BP001514.D
 Acq On : 03 Jan 2020 18:58
 Operator : JU
 Sample : K6482-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MC-123119-0-2-COMP-B6

Manual Integrations
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mohammad
 1/6/2020 11:42:40 AM

Quant Time: Jan 04 03:19:18 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 03 15:57:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	74655	20.00	ng	0.00
21) Naphthalene-d8	10.48	136	271075	20.00	ng	0.00
39) Acenaphthene-d10	14.34	164	159382	20.00	ng	0.00
64) Phenanthrene-d10	17.10	188	334916	20.00	ng	0.00
76) Chrysene-d12	21.20	240	296155	20.00	ng	0.00
87) Perylene-d12	23.46	264	332909	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.35	112	403471	90.80	ng	0.04
7) Phenol-d6	6.92	99	532387	88.95	ng	0.05
23) Nitrobenzene-d5	8.86	82	302616	55.14	ng	0.01
42) 2,4,6-Tribromophenol	15.84	330	145730	80.79	ng	0.00
45) 2-Fluorobiphenyl	12.96	172	596970	55.07	ng	0.00
79) Terphenyl-d14	19.69	244	779054	52.42	ng	0.00

Target Compounds

						Qvalue
10) Phenol	6.95	94	17846	2.834	ng	90
31) Naphthalene	10.53	128	51196	3.591	ng	98
50) Dimethylphthalate	13.83	163	36703	2.946	ng	100
52) Acenaphthene	14.40	154	37041	3.933	ng	93
55) Dibenzofuran	14.75	168	40041	2.776	ng	98
58) Fluorene	15.40	166	45314	4.124	ng	98
71) Phenanthrene	17.14	178	614493	33.828	ng	99
72) Anthracene	17.23	178	130061	7.224	ng	99
73) Carbazole	17.51	167	55583	3.337	ng	98
75) Fluoranthene	19.12	202	819327	37.259	ng	98
78) Pyrene	19.47	202	766435	35.664	ng	99
81) Benzo(a)anthracene	21.19	228	347461	16.721	ng	95
83) Chrysene	21.23	228	336491	16.888	ng	97
86) Indeno(1,2,3-cd)pyrene	25.74	276	206431	8.513	ng	98
88) Benzo(b)fluoranthene	22.79	252	395992	19.211	ng	# 95
89) Benzo(k)fluoranthene	22.82	252	148159m	7.504	ng	
90) Benzo(a)pyrene	23.36	252	323917	16.787	ng	94
91) Dibenzo(a,h)anthracene	25.76	278	53281	2.778	ng	# 82
92) Benzo(a,h,i)perylene	26.44	276	208225	10.887	ng	# 95

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

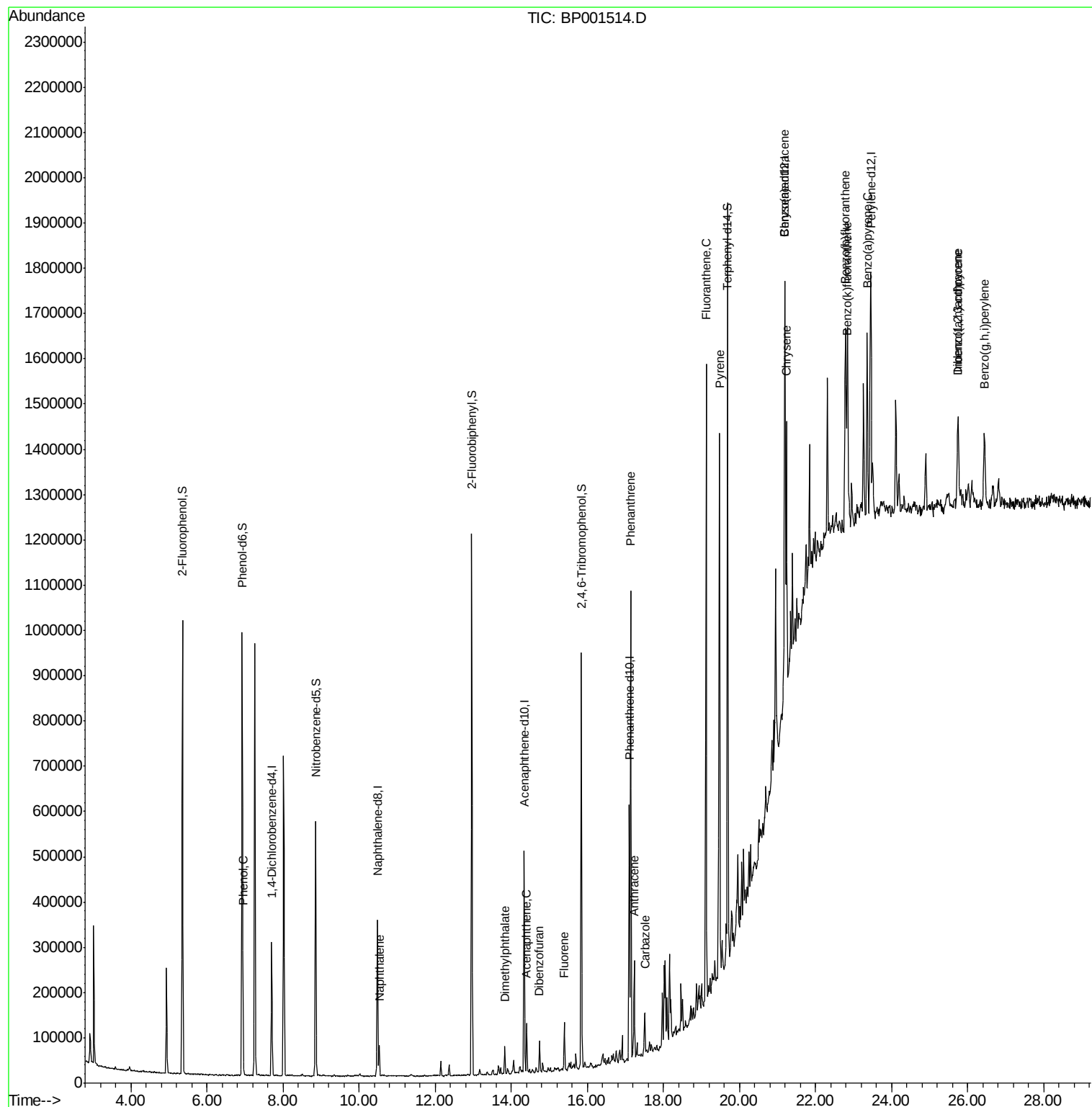
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP010320\
Data File : BP001514.D
Acq On : 03 Jan 2020 18:58
Operator : JU
Sample : K6482-02
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ALS Vial : 5 Sample Multiplier: 1

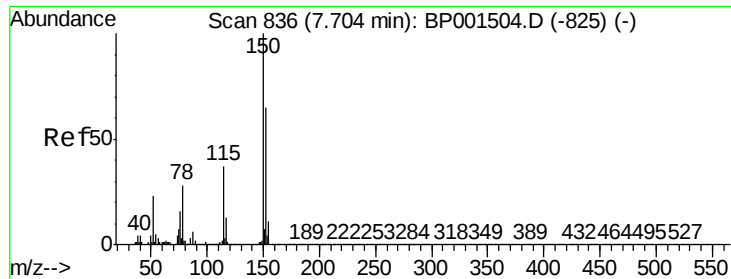
Instrument :
BNA_P
ClientSampleId :
MC-123119-0-2-COMP-B6

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1/6/2020 11:42:40 AM

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

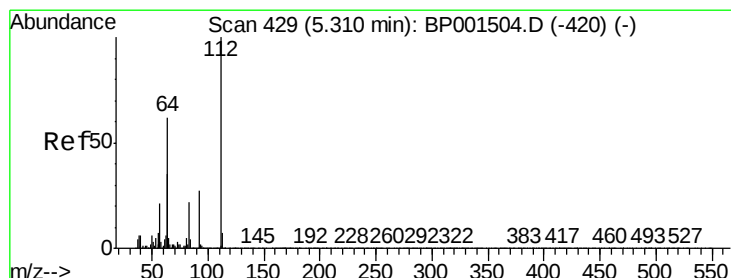
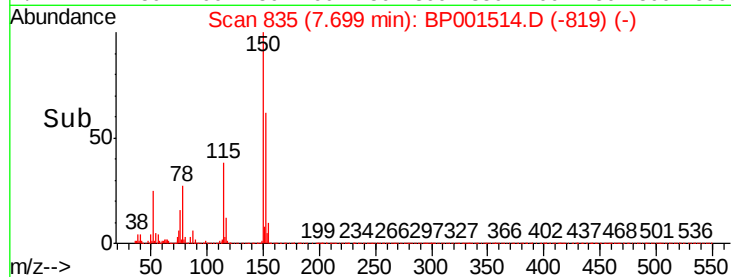
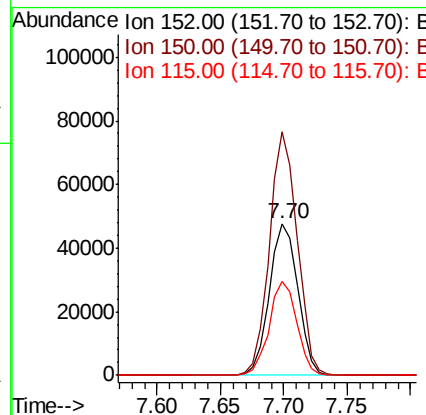
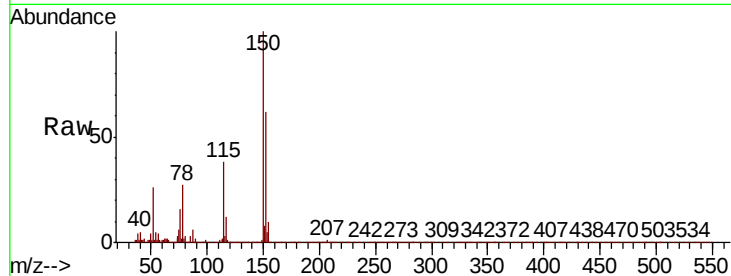
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.70 min Scan# 835
Delta R.T. -0.01 min
Lab File: BP001514.D
Acq: 03 Jan 2020 18:58

Instrument :
BNA_P
ClientSampleId :
MC-123119-0-2-COMP-B6

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.7	123.6	185.4
115	61.6	45.8	68.6

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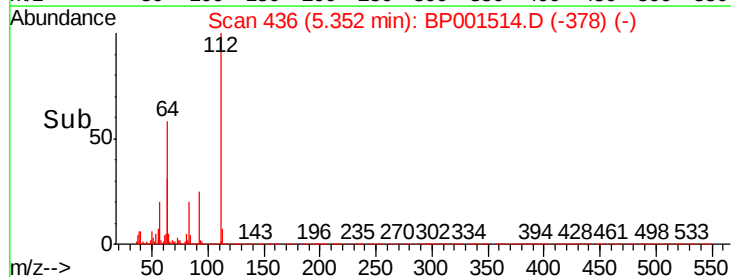
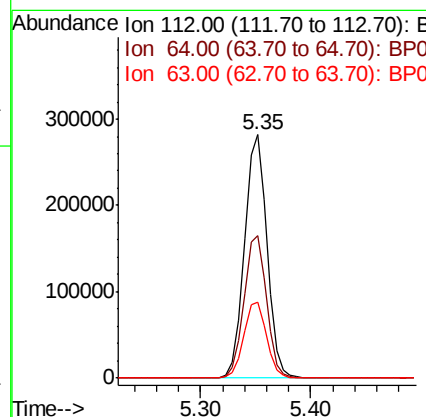
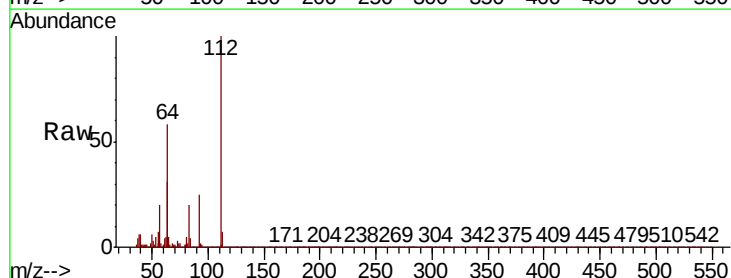
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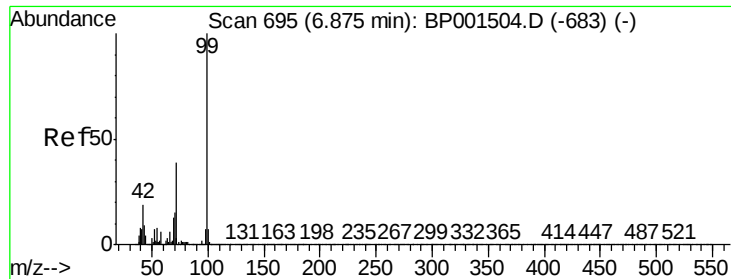


#5

2-Fluorophenol
Concen: 90.796 ng
RT: 5.35 min Scan# 436
Delta R.T. 0.04 min
Lab File: BP001514.D
Acq: 03 Jan 2020 18:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.5	49.7	74.5
63	31.0	28.1	42.1





#7

Phenol-d6

Concen: 88.949 ng

RT: 6.92 min Scan# 703

Delta R.T. 0.05 min

Lab File: BP001514.D

Acq: 03 Jan 2020 18:58

Instrument :

BNA_P

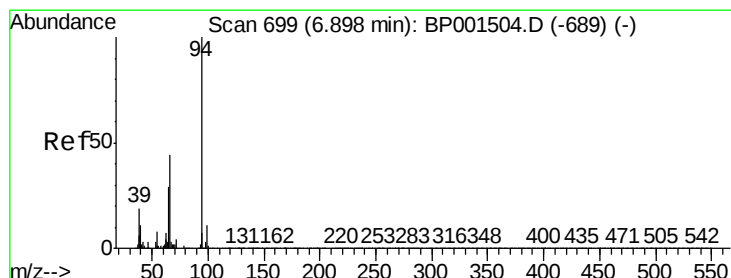
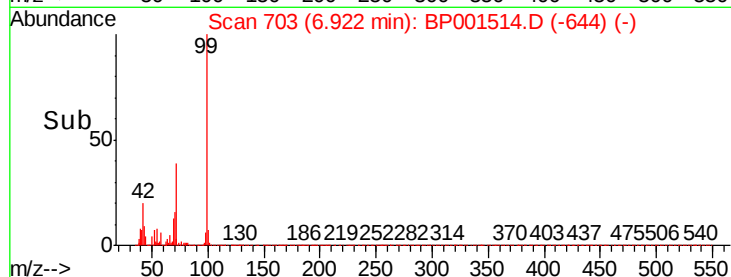
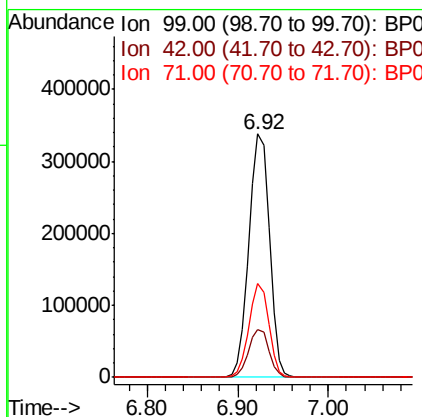
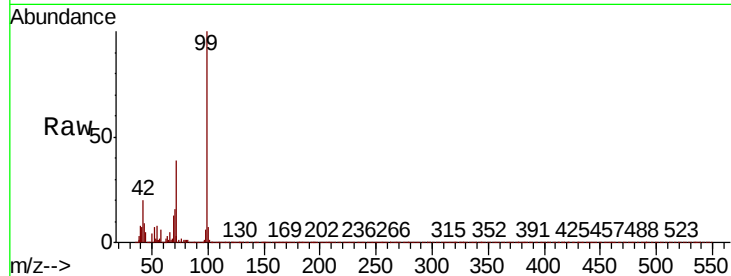
ClientSampleId :

MC-123119-0-2-COMP-B6

Tot Ion:	99	Resp:	532387
Ion Ratio	Lower	Upper	
99	100		
42	19.7	15.3	22.9
71	38.8	30.9	46.3

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#10

Phenol

Concen: 2.834 ng

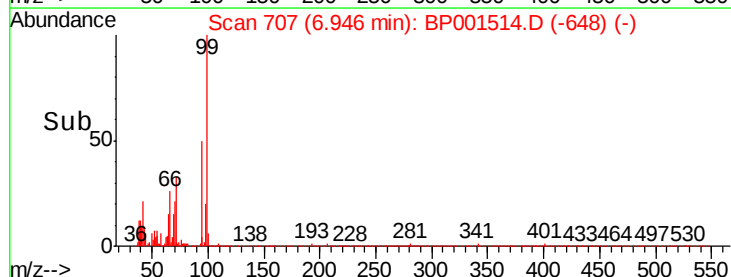
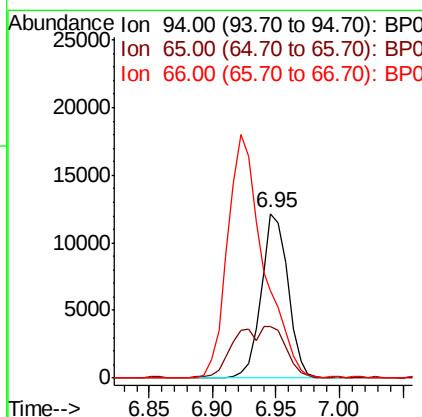
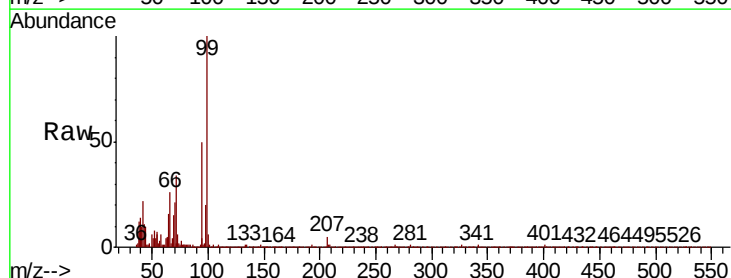
RT: 6.95 min Scan# 707

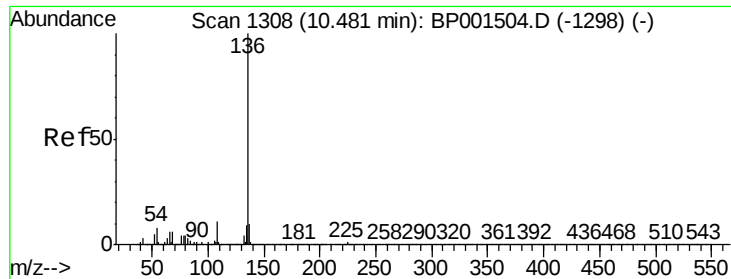
Delta R.T. 0.05 min

Lab File: BP001514.D

Acq: 03 Jan 2020 18:58

Tgt Ion:	94	Resp:	17846
Ion Ratio	Lower	Upper	
94	100		
65	31.3	9.2	49.2
66	53.0	23.8	63.8





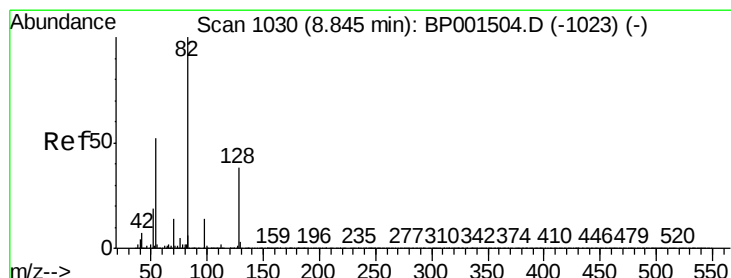
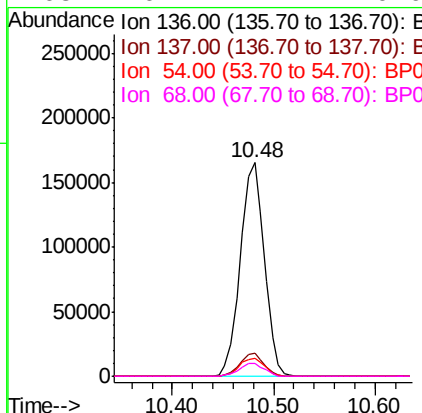
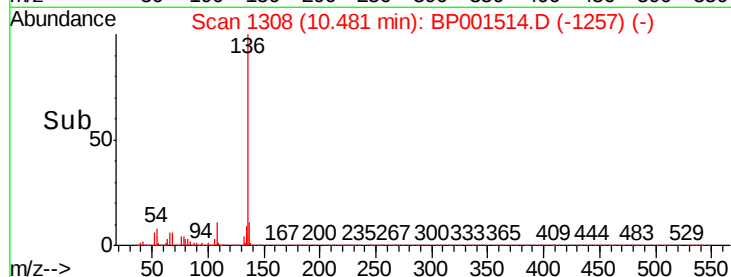
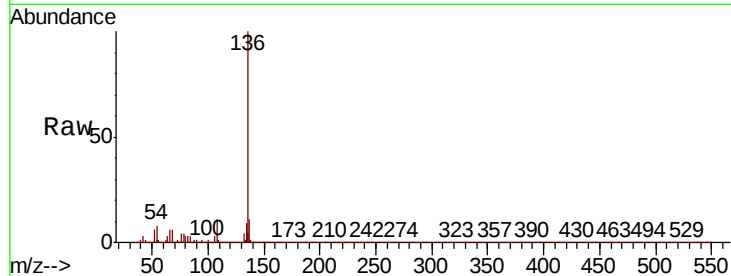
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.48 min Scan# 1308
Delta R.T. 0.00 min
Lab File: BP001514.D
Acq: 03 Jan 2020 18:58

Instrument :
BNA_P
ClientSampleId :
MC-123119-0-2-COMP-B6

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.6	8.3	12.5
54	8.5	6.7	10.1
68	6.1	4.4	6.6

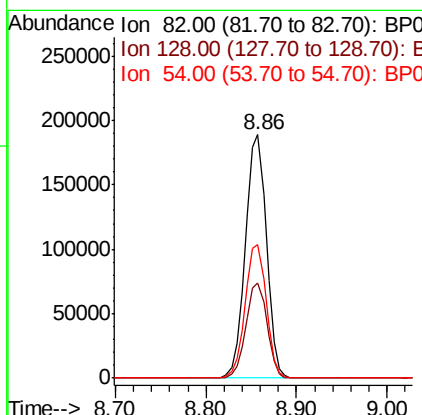
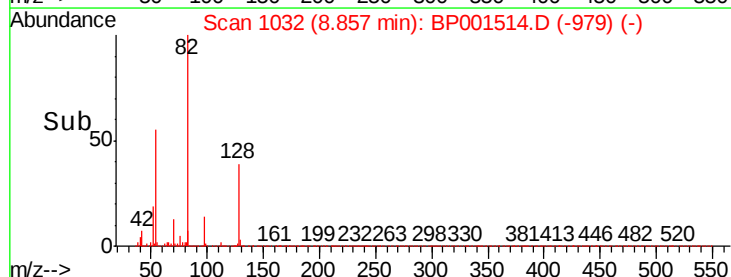
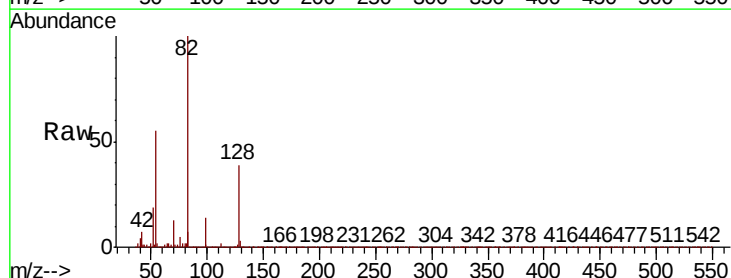
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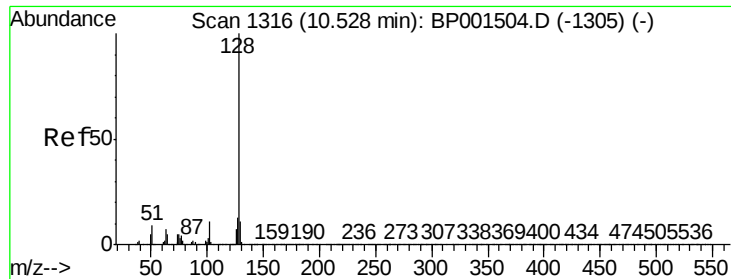
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#23
Nitrobenzene-d5
Concen: 55.139 ng
RT: 8.86 min Scan# 1032
Delta R.T. 0.01 min
Lab File: BP001514.D
Acq: 03 Jan 2020 18:58

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	39.1	30.1	45.1
54	55.0	41.8	62.6





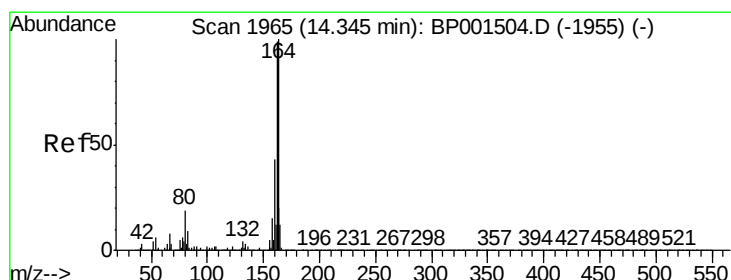
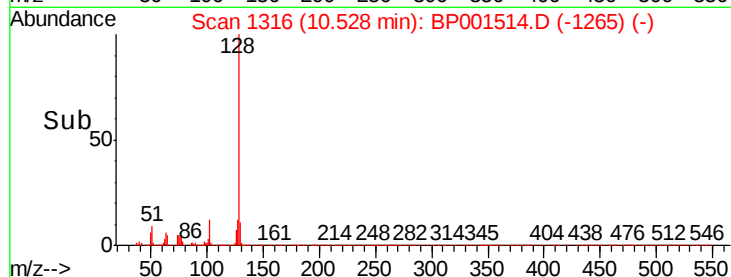
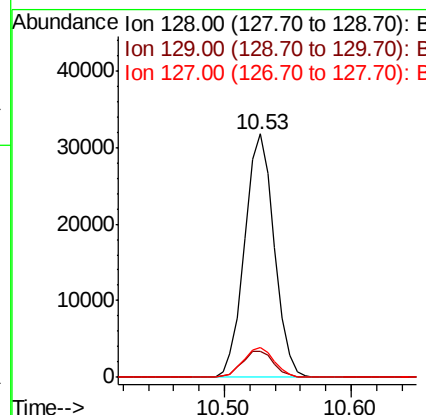
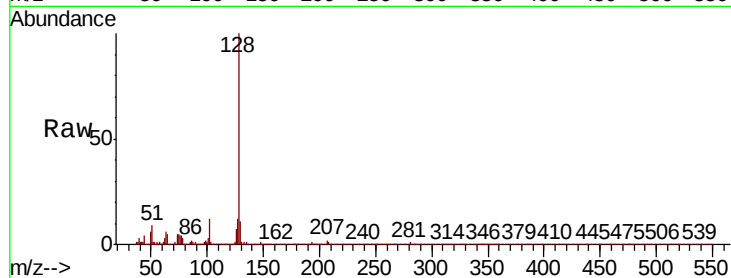
#31
Naphthalene
Concen: 3.591 ng
RT: 10.53 min Scan# 1316
Delta R.T. 0.00 min
Lab File: BP001514.D
Acq: 03 Jan 2020 18:58

Instrument :
BNA_P
ClientSampleId :
MC-123119-0-2-COMP-B6

Tot Ion:	128	Resp:	51196
Ion Ratio	Lower	Upper	
128	100		
129	10.8	8.7	13.1
127	12.0	10.5	15.7

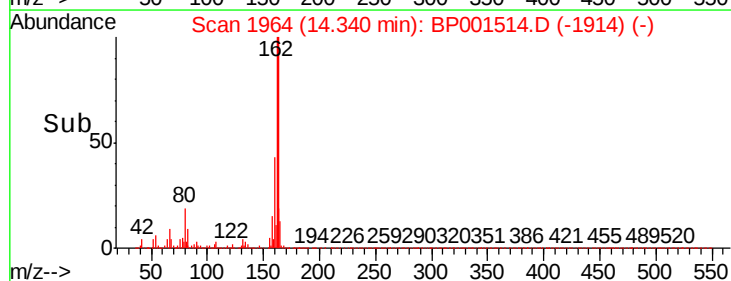
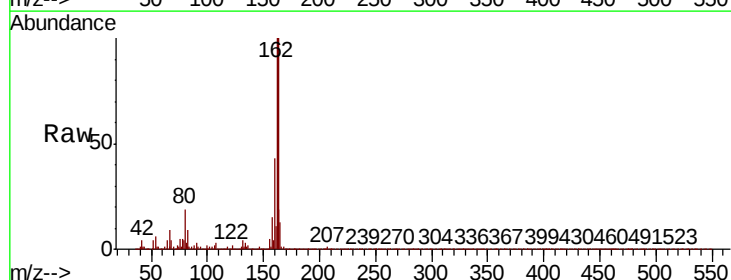
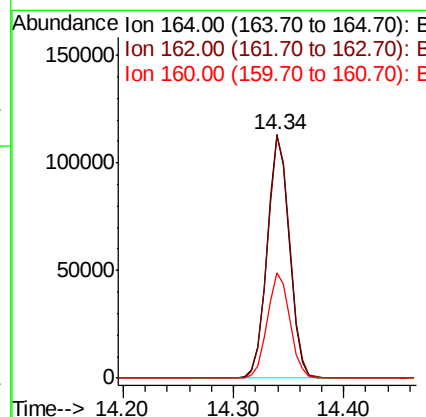
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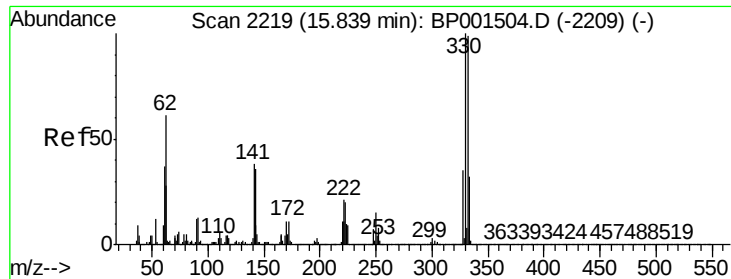
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.34 min Scan# 1964
Delta R.T. -0.01 min
Lab File: BP001514.D
Acq: 03 Jan 2020 18:58

Tgt Ion:	164	Resp:	159382
Ion Ratio	Lower	Upper	
164	100		
162	99.8	79.2	118.8
160	43.3	34.6	52.0





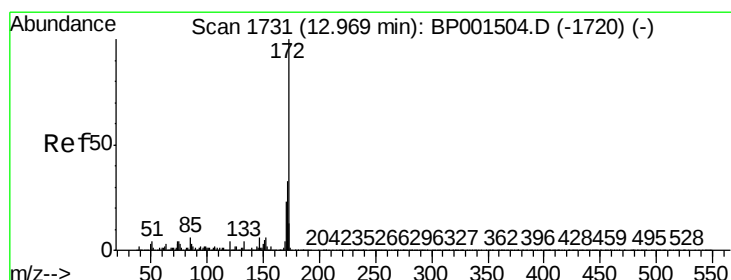
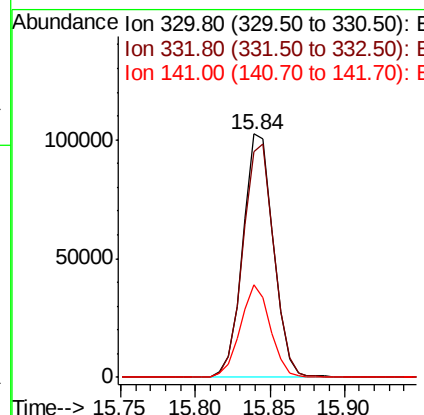
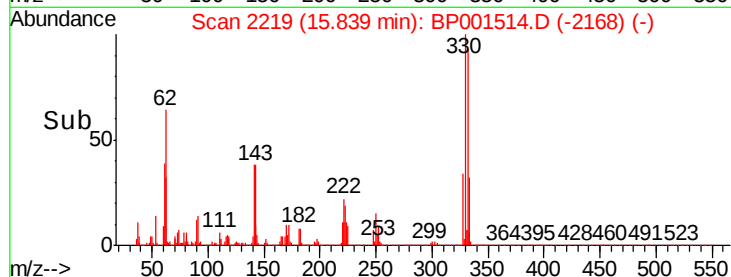
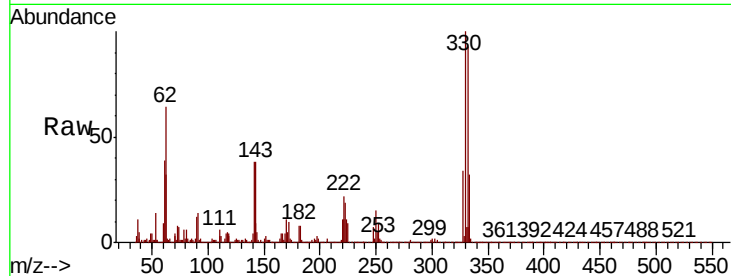
#42
2,4,6-Tribromophenol
Concen: 80.789 ng
RT: 15.84 min Scan# 2219
Delta R.T. 0.00 min
Lab File: BP001514.D
Acq: 03 Jan 2020 18:58

Instrument :
BNA_P
ClientSampleId :
MC-123119-0-2-COMP-B6

Tot Ion	Ratio	Resp	Lower	Upper
330	100	145730		
332	97.4	78.2	117.2	
141	37.5	30.3	45.5	

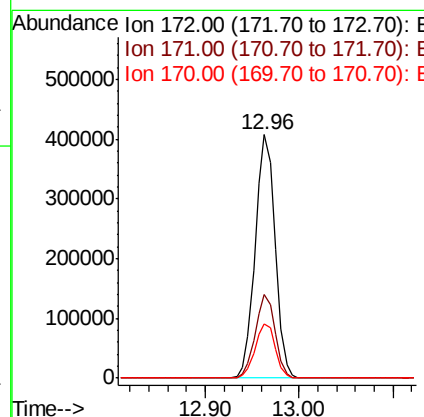
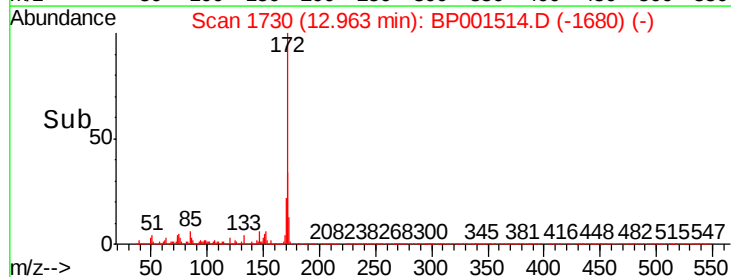
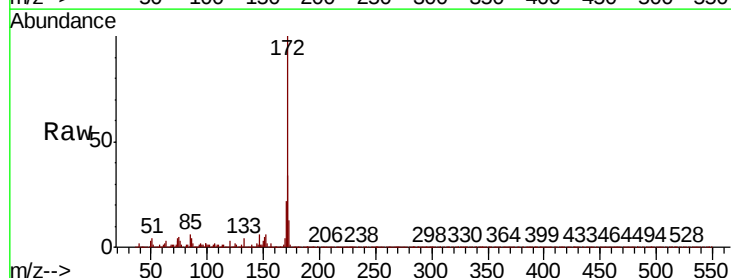
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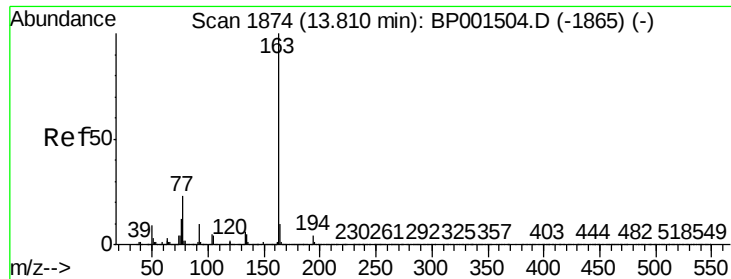
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#45
2-Fluorobiphenyl
Concen: 55.074 ng
RT: 12.96 min Scan# 1730
Delta R.T. -0.01 min
Lab File: BP001514.D
Acq: 03 Jan 2020 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	596970		
171	34.2	26.7	40.1	
170	22.3	18.7	28.1	





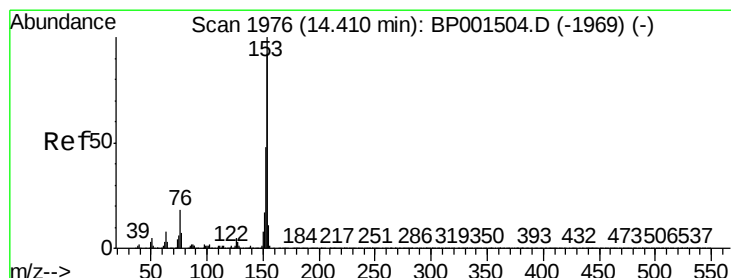
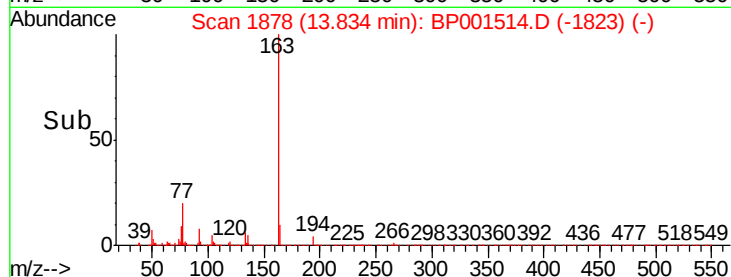
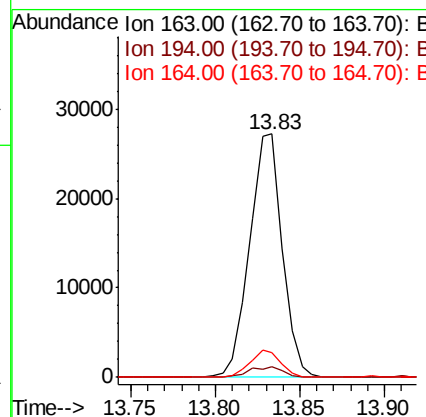
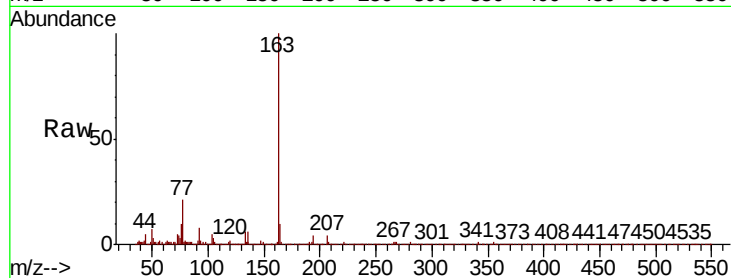
#50
Dimethylphthalate
Concen: 2.946 ng
RT: 13.83 min Scan# 1878
Delta R.T. 0.02 min
Lab File: BP001514.D
Acq: 03 Jan 2020 18:58

Instrument :
BNA_P
ClientSampleId :
MC-123119-0-2-COMP-B6

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	9.9	8.1	12.1

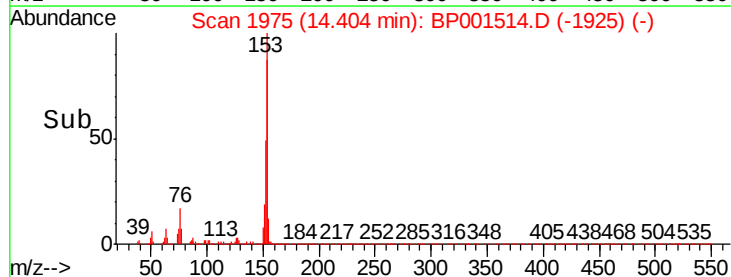
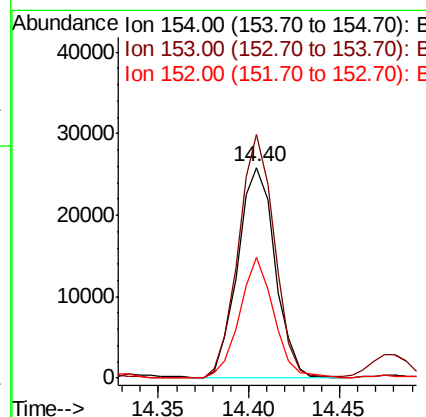
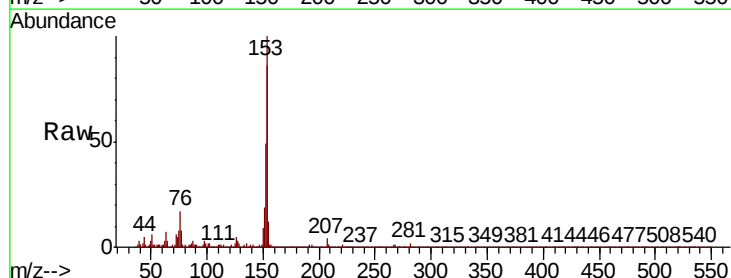
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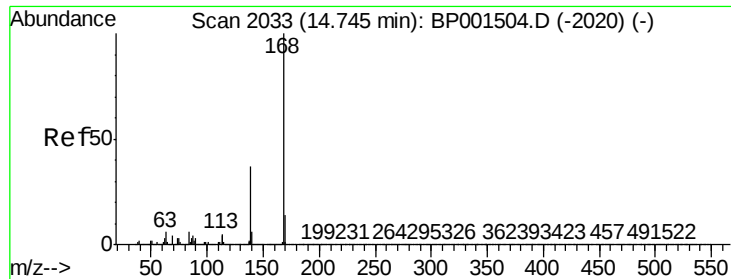
mohammad
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#52
Acenaphthene
Concen: 3.933 ng
RT: 14.40 min Scan# 1975
Delta R.T. -0.01 min
Lab File: BP001514.D
Acq: 03 Jan 2020 18:58

Tgt Ion	Ratio	Lower	Upper
154	100		
153	115.7	87.3	130.9
152	57.1	41.5	62.3





#55

Dibenzofuran

Concen: 2.776 ng

RT: 14.75 min Scan# 2033

Delta R.T. 0.00 min

Lab File: BP001514.D

Acq: 03 Jan 2020 18:58

Instrument :

BNA_P

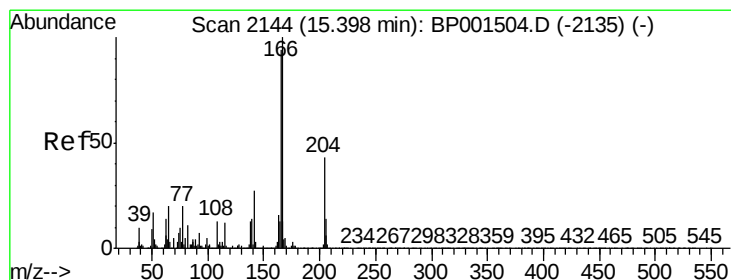
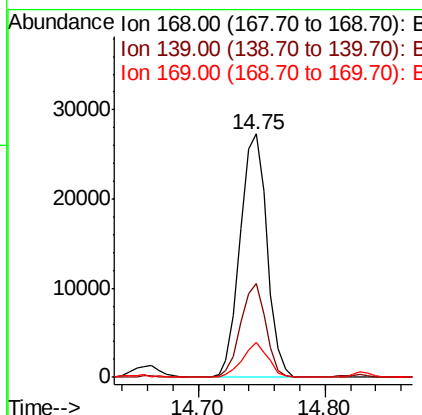
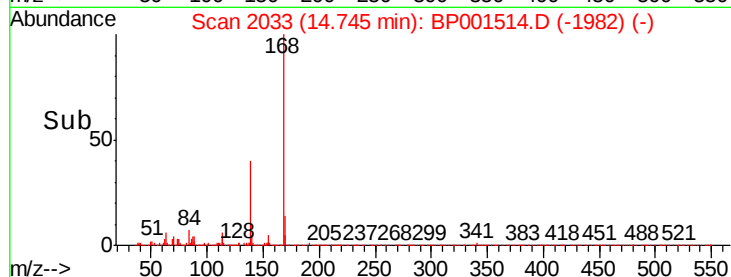
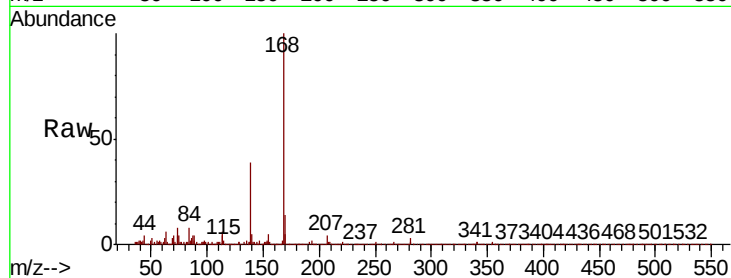
ClientSampleId :

MC-123119-0-2-COMP-B6

Tot Ion:	168	Resp:	40041
Ion Ratio	Lower	Upper	
168	100		
139	38.7	29.8	44.6
169	14.3	10.9	16.3

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#58

Fluorene

Concen: 4.124 ng

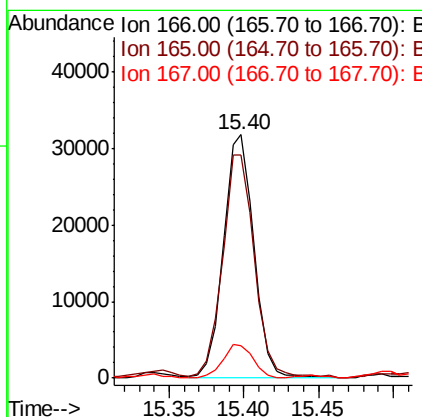
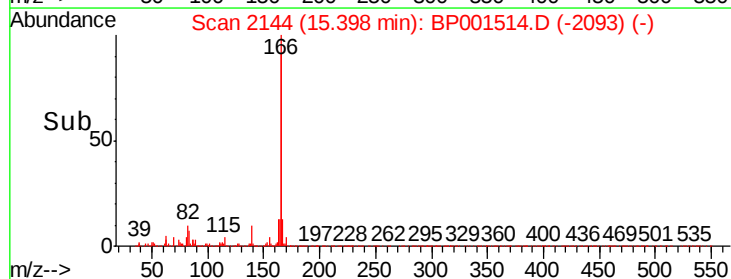
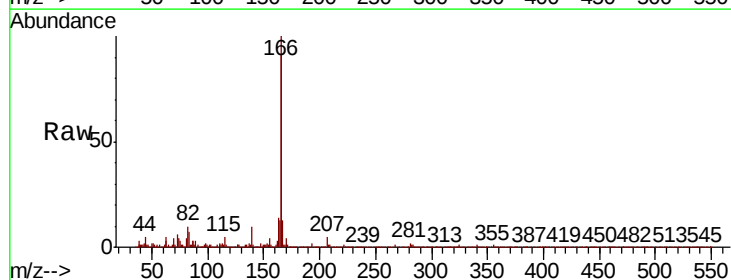
RT: 15.40 min Scan# 2144

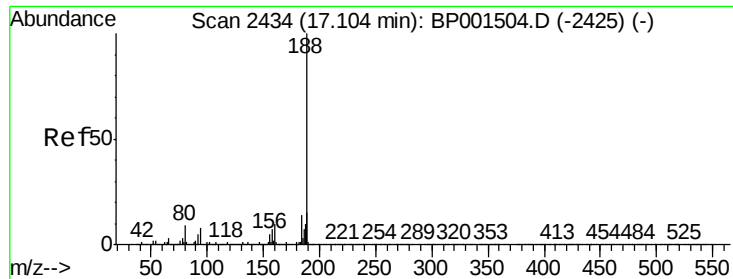
Delta R.T. 0.00 min

Lab File: BP001514.D

Acq: 03 Jan 2020 18:58

Tgt Ion:	166	Resp:	45314
Ion Ratio	Lower	Upper	
166	100		
165	91.4	75.3	112.9
167	13.4	10.7	16.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.10 min Scan# 2433

Delta R.T. -0.01 min

Lab File: BP001514.D

Acq: 03 Jan 2020 18:58

Instrument :

BNA_P

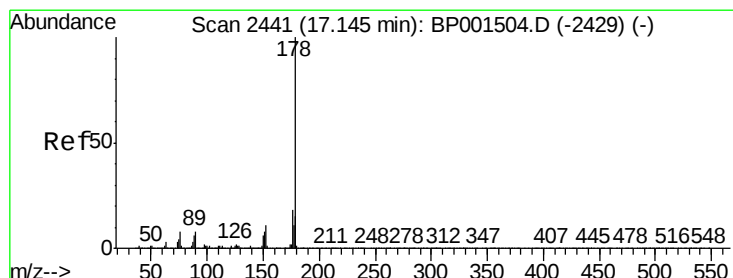
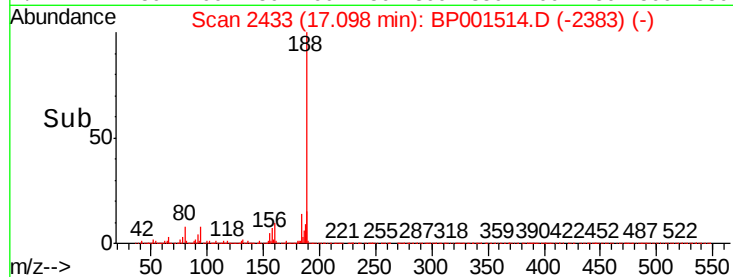
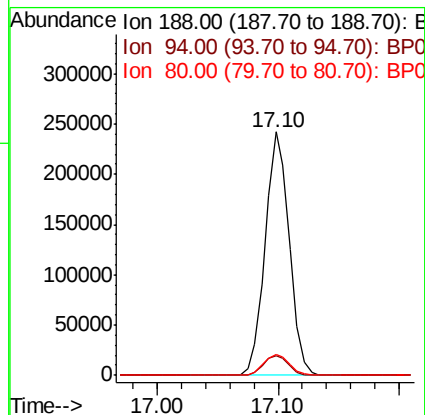
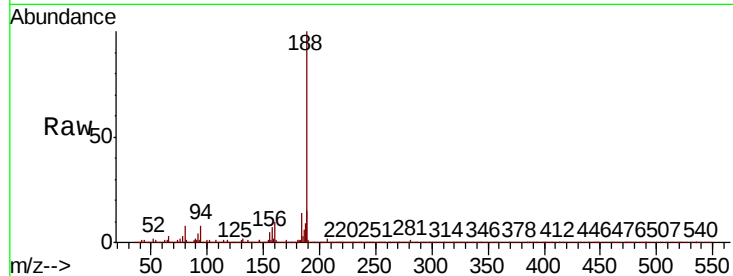
ClientSampleId :

MC-123119-0-2-COMP-B6

Tot Ion:	188	Resp:	334916
Ion Ratio	Lower	Upper	
188	100		
94	8.2	6.5	9.7
80	8.4	7.3	10.9

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#71

Phenanthrene

Concen: 33.828 ng

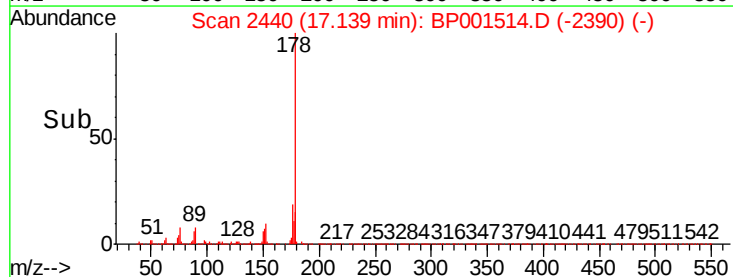
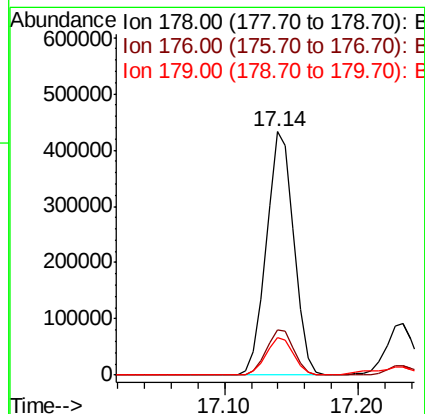
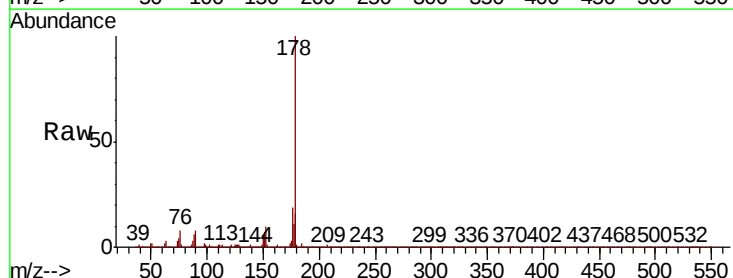
RT: 17.14 min Scan# 2440

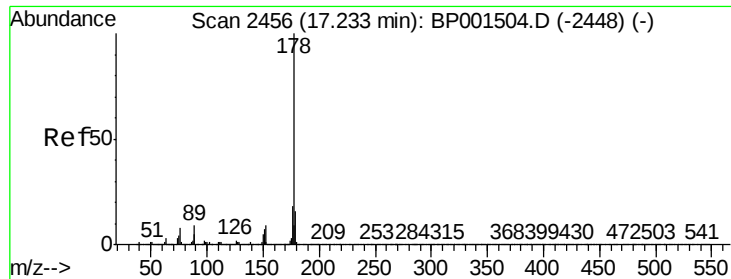
Delta R.T. -0.01 min

Lab File: BP001514.D

Acq: 03 Jan 2020 18:58

Tgt Ion:	178	Resp:	614493
Ion Ratio	Lower	Upper	
178	100		
176	18.6	14.6	22.0
179	15.5	12.3	18.5





#72

Anthracene

Concen: 7.224 ng

RT: 17.23 min Scan# 2456

Delta R.T. 0.00 min

Lab File: BP001514.D

Acq: 03 Jan 2020 18:58

Instrument :

BNA_P

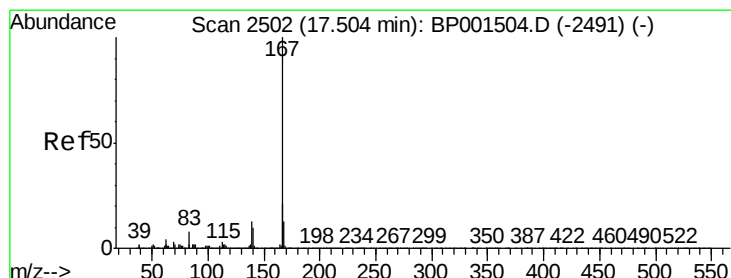
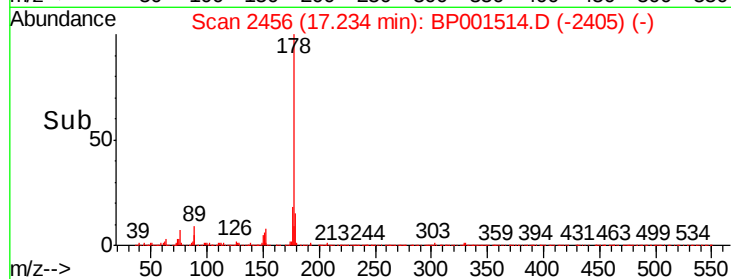
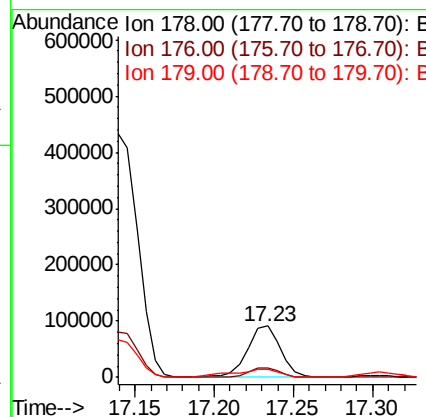
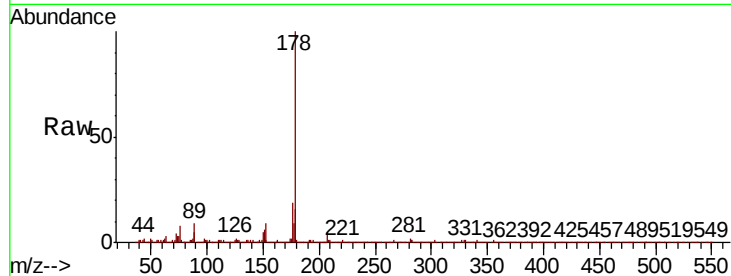
ClientSampleId :

MC-123119-0-2-COMP-B6

Tot Ion:	178	Resp:	130061
Ion Ratio	Lower	Upper	
178	100		
176	18.5	14.4	21.6
179	15.7	12.5	18.7

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#73

Carbazole

Concen: 3.337 ng

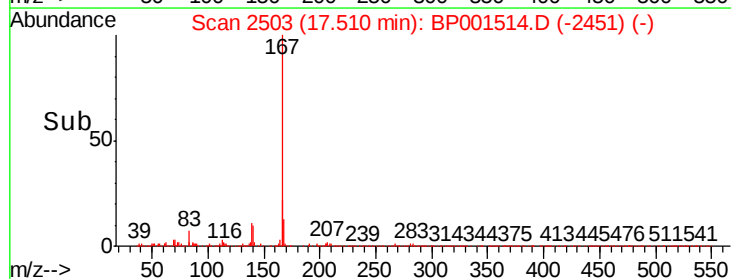
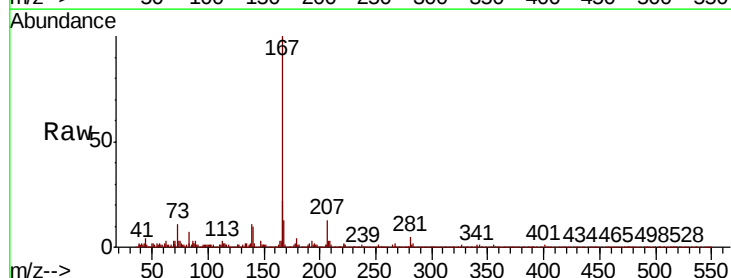
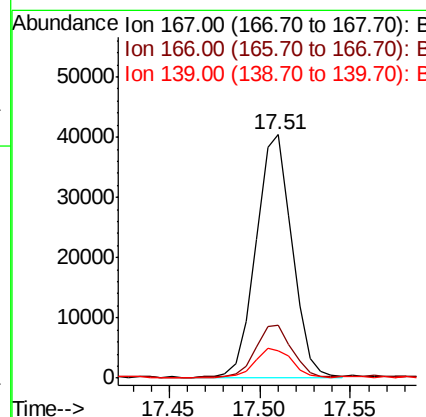
RT: 17.51 min Scan# 2503

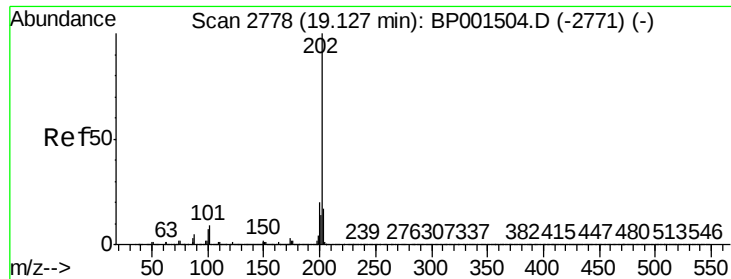
Delta R.T. 0.01 min

Lab File: BP001514.D

Acq: 03 Jan 2020 18:58

Tgt Ion:	167	Resp:	55583
Ion Ratio	Lower	Upper	
167	100		
166	21.9	17.0	25.6
139	11.4	10.2	15.4





#75

Fluoranthene

Concen: 37.259 ng

RT: 19.12 min Scan# 2777

Delta R.T. -0.01 min

Lab File: BP001514.D

Acq: 03 Jan 2020 18:58

Instrument :

BNA_P

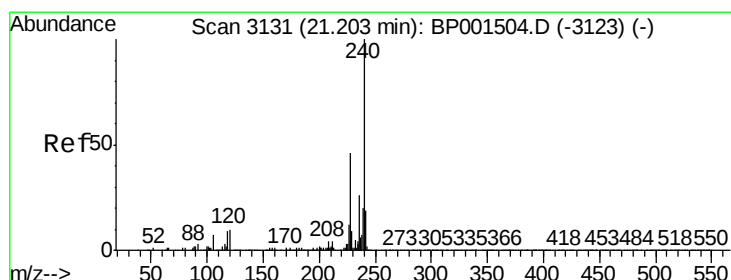
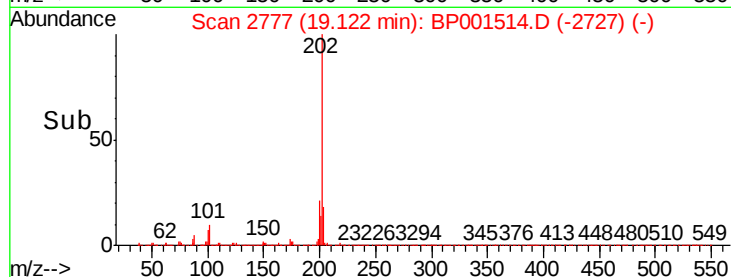
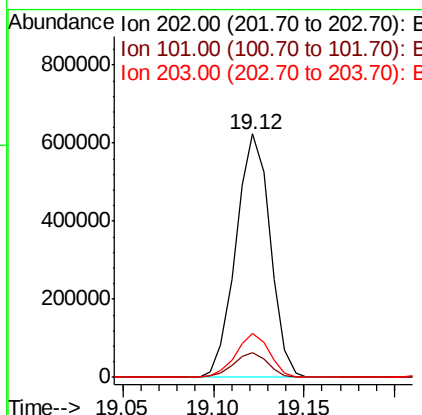
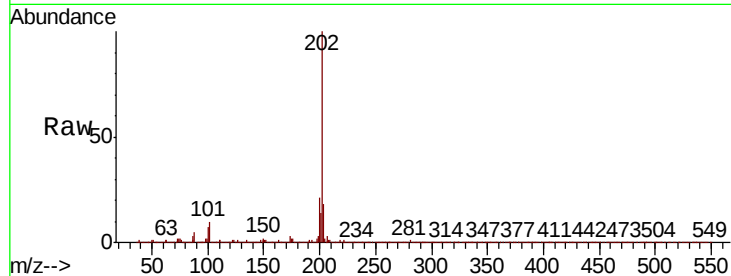
ClientSampleId :

MC-123119-0-2-COMP-B6

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		819327		
101	10.0	0.0	29.3		
203	17.9	0.0	36.7		

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#76

Chrysene-d12

Concen: 20.000 ng

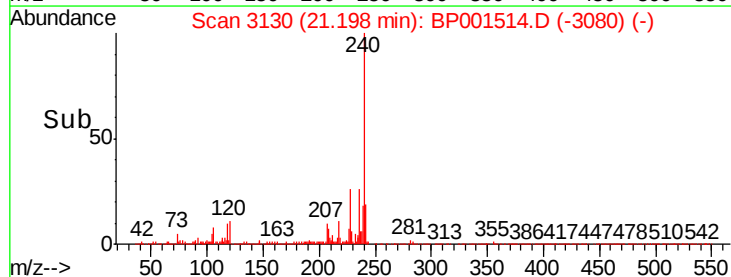
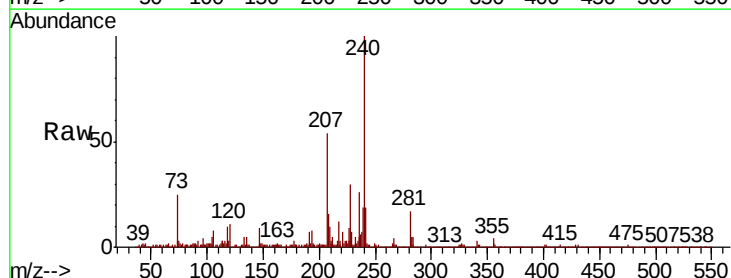
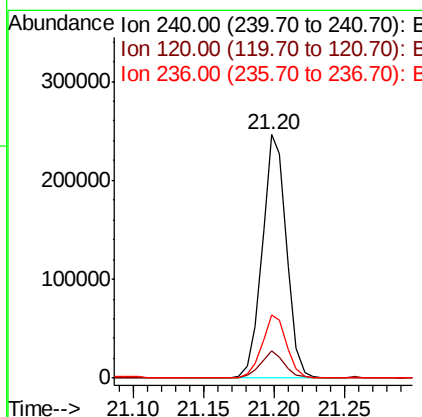
RT: 21.20 min Scan# 3130

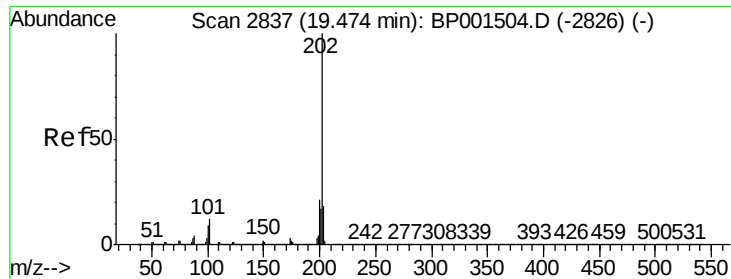
Delta R.T. -0.01 min

Lab File: BP001514.D

Acq: 03 Jan 2020 18:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		296155		
120	11.3	8.1	12.1		
236	26.2	20.9	31.3		





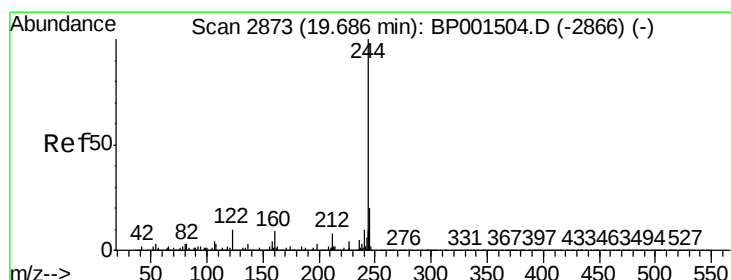
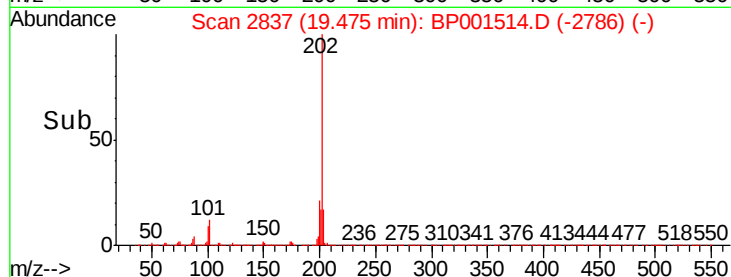
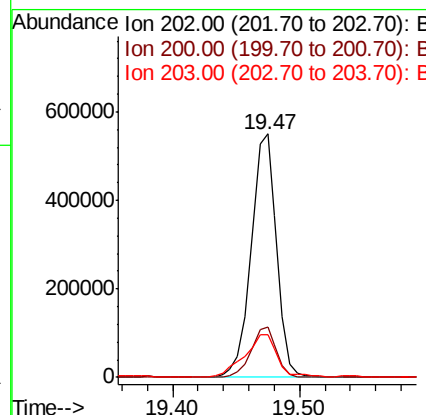
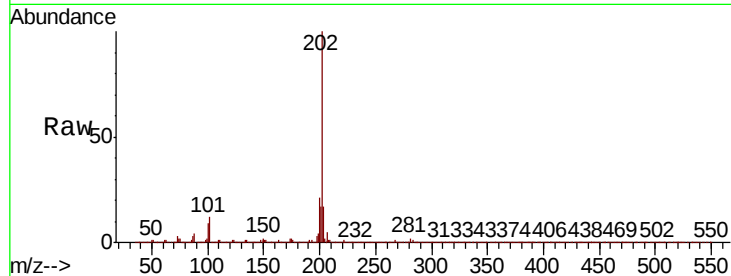
#78
Pvrene
Concen: 35.664 ng
RT: 19.47 min Scan# 2837
Delta R.T. 0.00 min
Lab File: BP001514.D
Acq: 03 Jan 2020 18:58

Instrument :
BNA_P
ClientSampleId :
MC-123119-0-2-COMP-B6

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.9	16.4	24.6
203	17.4	14.2	21.2

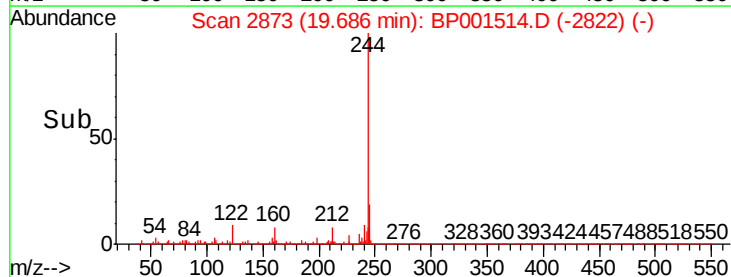
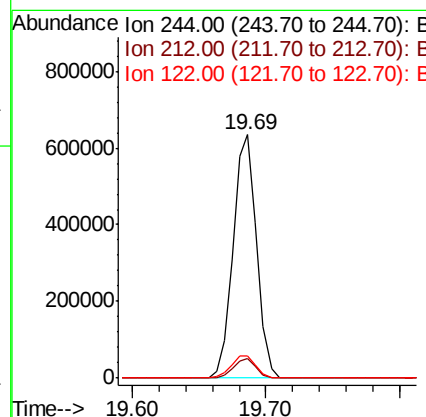
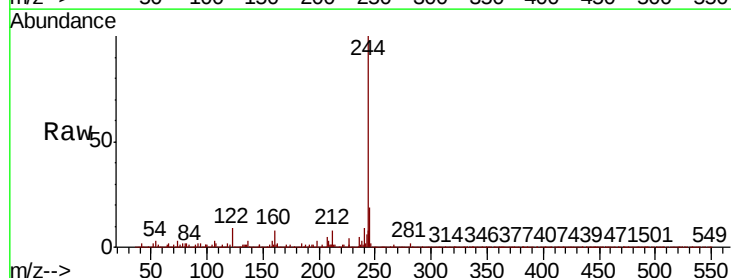
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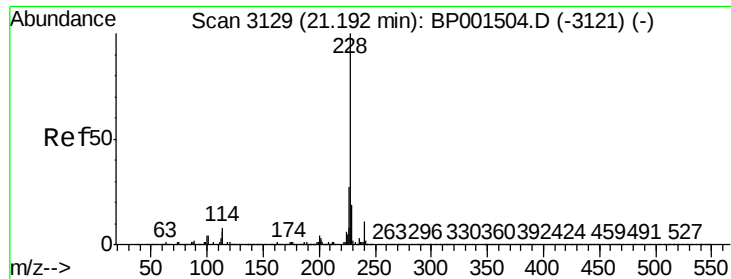
mohammad
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#79
Terphenyl-d14
Concen: 52.424 ng
RT: 19.69 min Scan# 2873
Delta R.T. 0.00 min
Lab File: BP001514.D
Acq: 03 Jan 2020 18:58

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.9	6.6	9.8
122	8.9	7.8	11.6





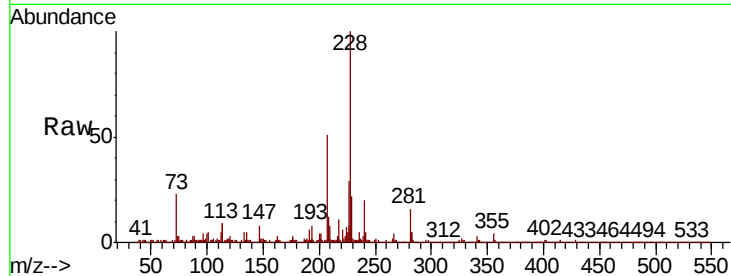
#81
Benzo(a)anthracene
Concen: 16.721 ng
RT: 21.19 min Scan# 3128
Delta R.T. -0.01 min
Lab File: BP001514.D
Acq: 03 Jan 2020 18:58

Instrument :
BNA_P
ClientSampleId :
MC-123119-0-2-COMP-B6

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	21.5	32.3
229	21.5	15.4	23.2

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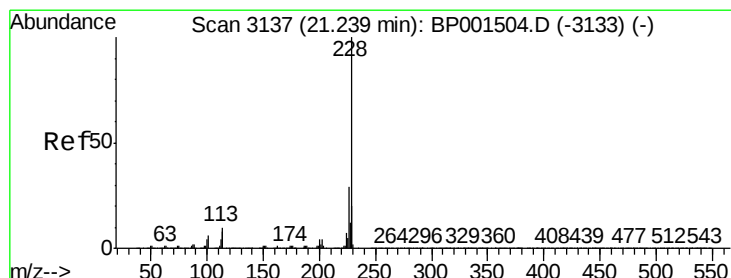
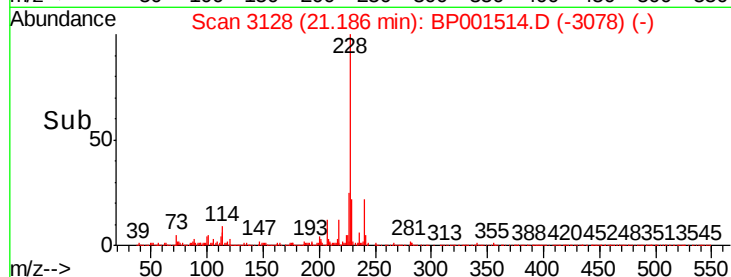
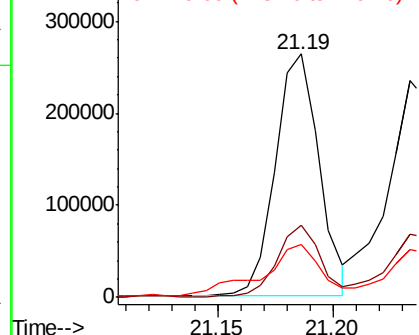


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83
Chrysene
Concen: 16.888 ng
RT: 21.23 min Scan# 3136
Delta R.T. -0.01 min
Lab File: BP001514.D
Acq: 03 Jan 2020 18:58

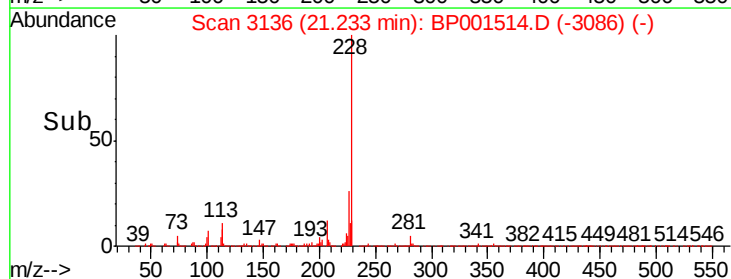
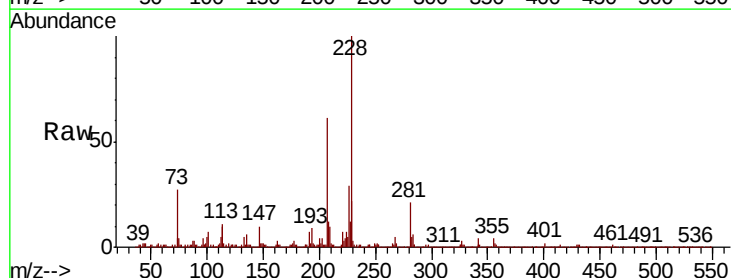
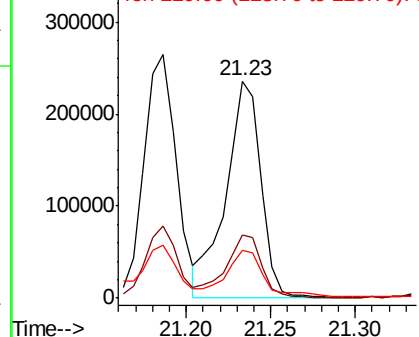
Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.0	34.6
229	22.1	15.7	23.5

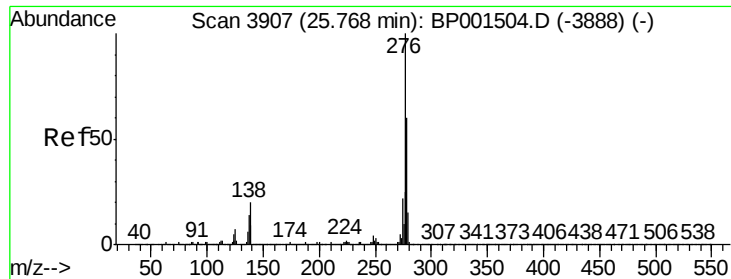
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





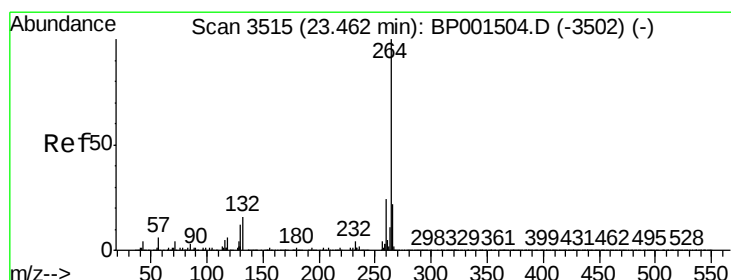
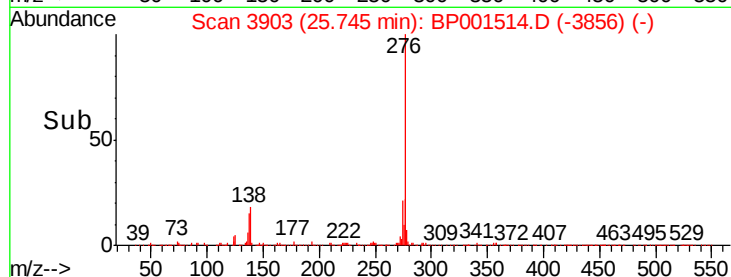
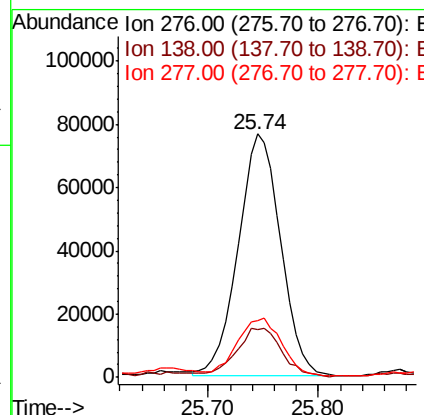
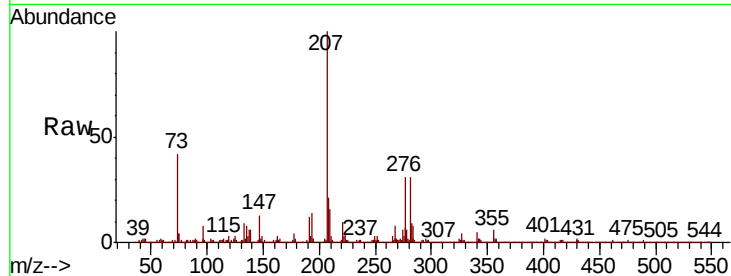
#86
Indeno(1,2,3-cd)pyrene
Concen: 8.513 ng
RT: 25.74 min Scan# 3903
Delta R.T. -0.02 min
Lab File: BP001514.D
Acq: 03 Jan 2020 18:58

Instrument :
BNA_P
ClientSampleId :
MC-123119-0-2-COMP-B6

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.9	17.8	26.8
277	25.3	20.0	30.0

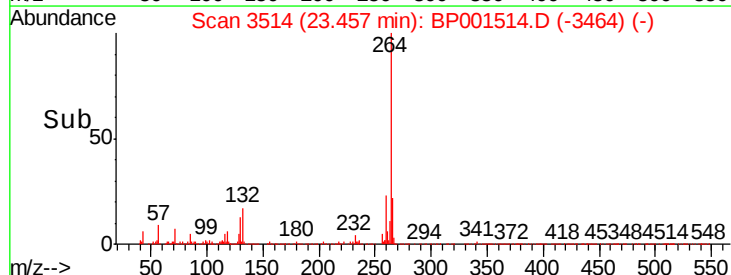
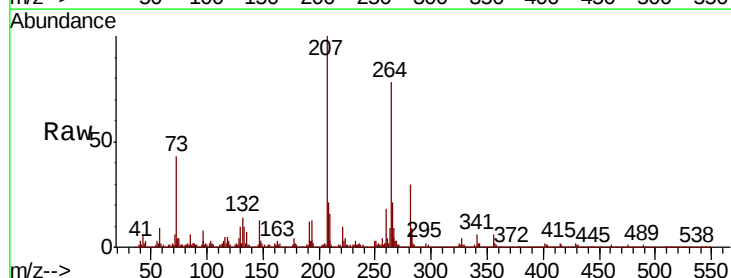
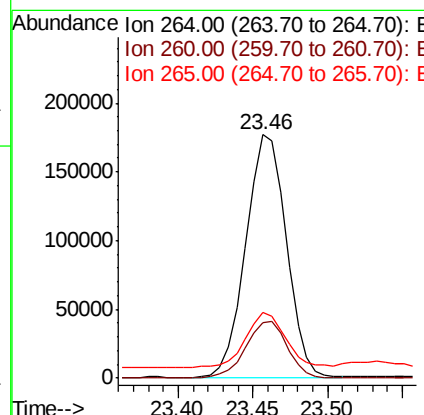
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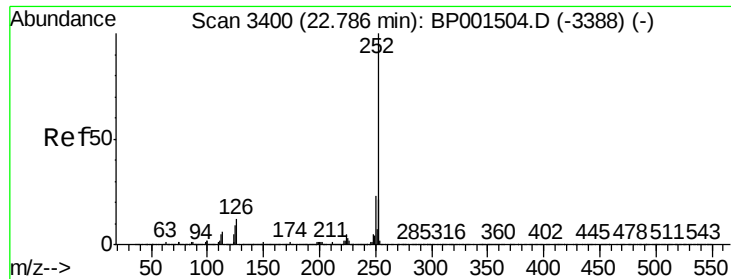
mohammad
1/6/2020 11:42:40 AM



#87
Perylene-d12
Concen: 20.000 ng
RT: 23.46 min Scan# 3514
Delta R.T. -0.01 min
Lab File: BP001514.D
Acq: 03 Jan 2020 18:58

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.0	28.4
265	26.8	17.2	25.8#





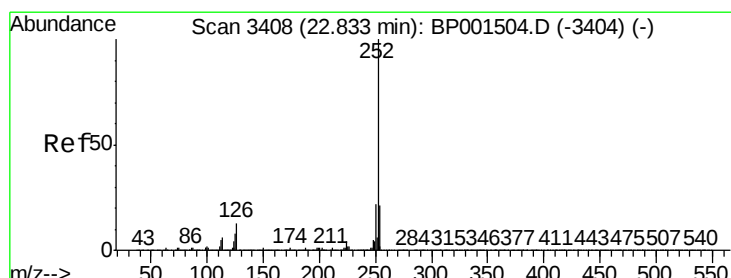
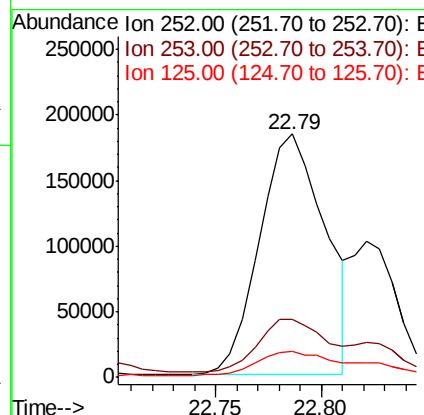
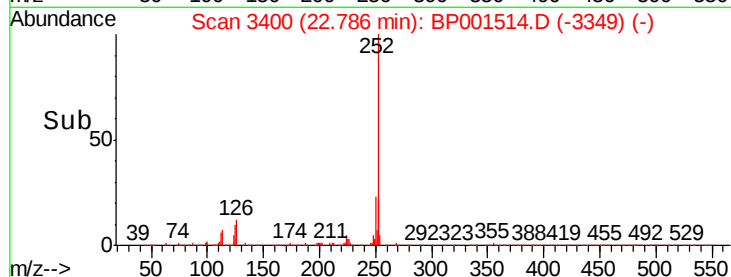
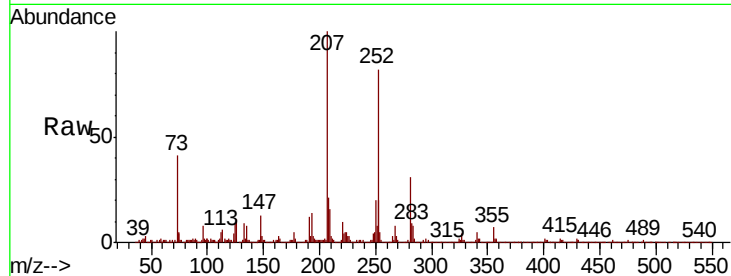
#88
Benzo(b)fluoranthene
Concen: 19.211 ng
RT: 22.79 min Scan# 3400
Delta R.T. 0.00 min
Lab File: BP001514.D
Acq: 03 Jan 2020 18:58

Instrument :
BNA_P
ClientSampleId :
MC-123119-0-2-COMP-B6

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.9	17.0	25.6
125	10.8	7.2	10.8

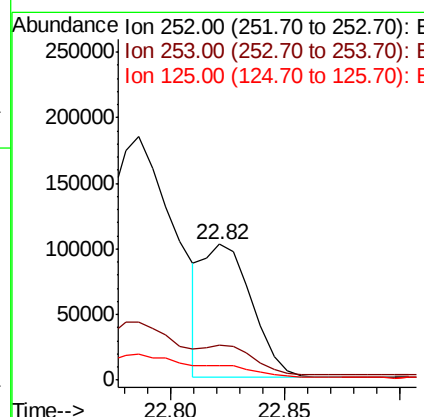
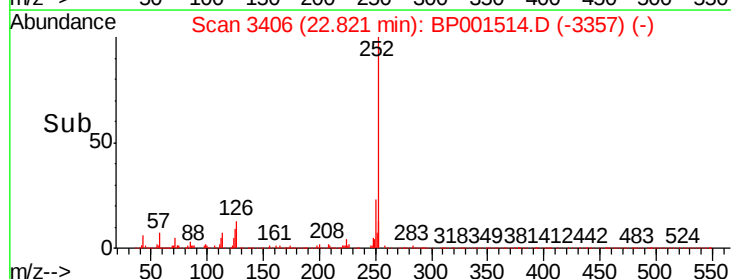
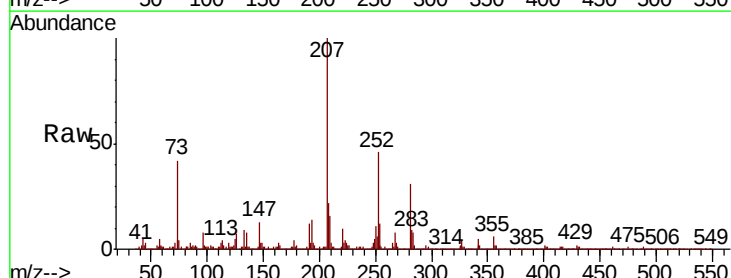
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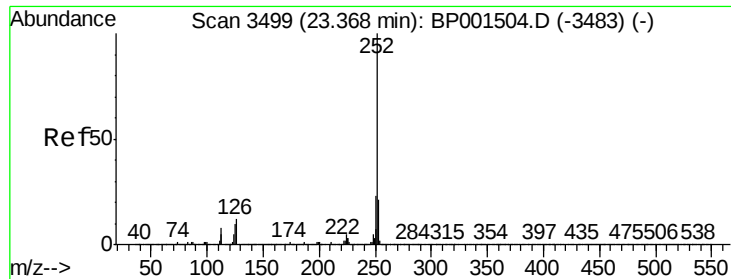
mohammad
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#89
Benzo(k)fluoranthene
Concen: 7.504 ng m
RT: 22.82 min Scan# 3406
Delta R.T. -0.01 min
Lab File: BP001514.D
Acq: 03 Jan 2020 18:58

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	26.1	17.0	25.6
125	10.3	6.6	10.0





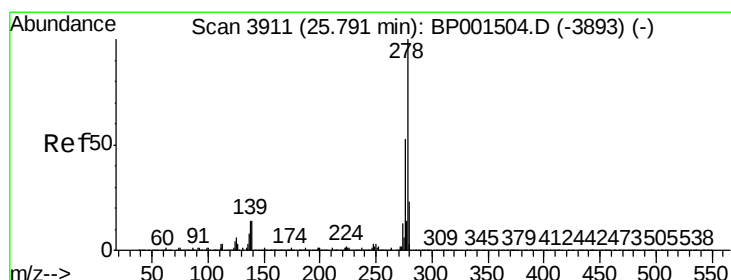
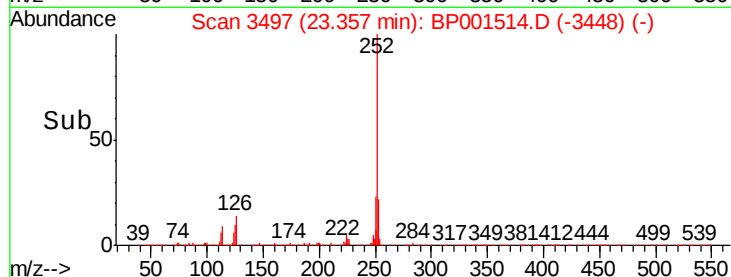
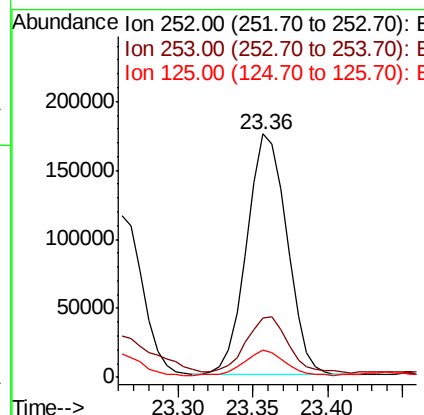
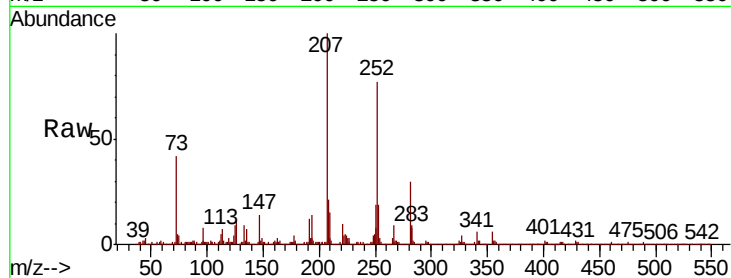
#90
Benzo(a)pyrene
Concen: 16.787 ng
RT: 23.36 min Scan# 3497
Delta R.T. -0.01 min
Lab File: BP001514.D
Acq: 03 Jan 2020 18:58

Instrument :
BNA_P
ClientSampleId :
MC-123119-0-2-COMP-B6

Tot Ion	Ratio	Resp	Lower	Upper
252	100			
253	24.4	17.1	25.7	
125	11.1	7.7	11.5	

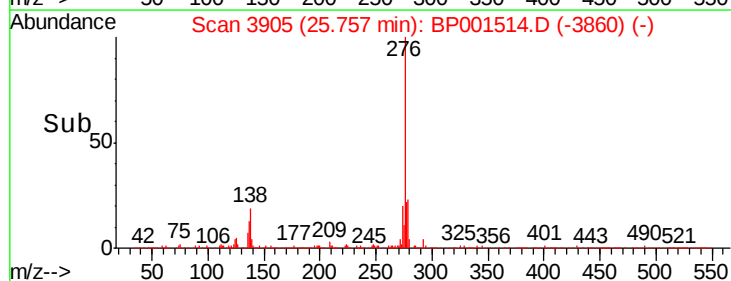
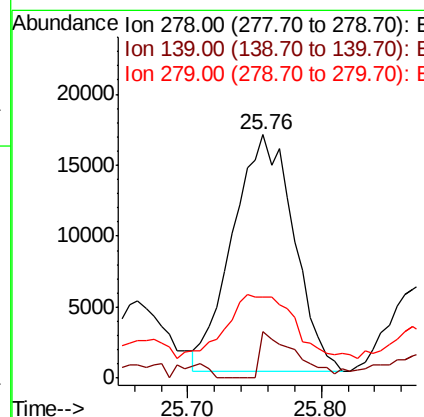
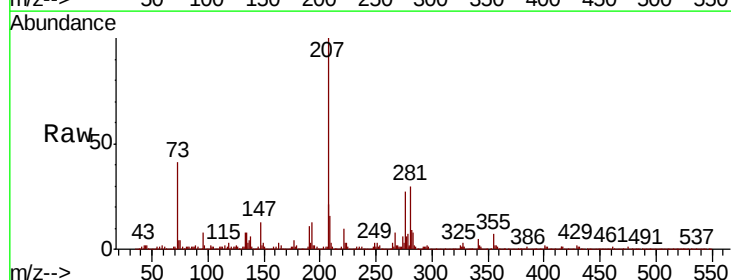
Manual Integrations
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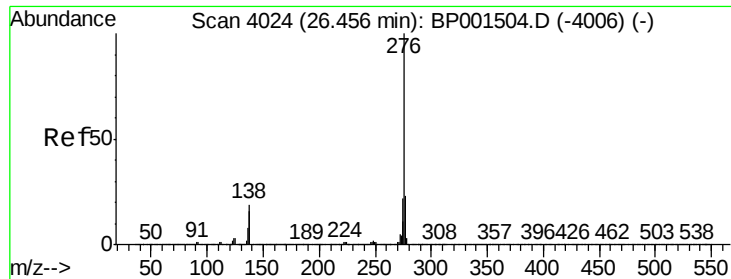
mohammad
1/6/2020 11:42:40 AM



#91
Dibenzo(a,h)anthracene
Concen: 2.778 ng
RT: 25.76 min Scan# 3905
Delta R.T. -0.03 min
Lab File: BP001514.D
Acq: 03 Jan 2020 18:58

Tgt Ion	Ratio	Resp	Lower	Upper
278	100			
139	19.1	11.3	16.9#	
279	33.5	18.2	27.2#	





#92
 Benzo(a,h,i)perylene
 Concen: 10.887 ng
 RT: 26.44 min Scan# 4021
 Delta R.T. -0.02 min
 Lab File: BP001514.D
 Acq: 03 Jan 2020 18:58

Instrument :
 BNA_P
 ClientSampleId :
 MC-123119-0-2-COMP-B6

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	23.9	18.7	28.1
138	23.3	15.0	22.4

Manual Integrations
 APPROVED

mohammad
 1/6/2020 11:42:40 AM

