

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP062320\
 Data File : BP002503.D
 Acq On : 23 Jun 2020 15:16
 Operator : CG/JU
 Sample : L3082-17DL 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-18DL

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Quant Time: Jun 24 09:25:09 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP060520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 05 15:08:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	160952	20.00	ng	0.00
21) Naphthalene-d8	10.36	136	625421	20.00	ng	0.00
39) Acenaphthene-d10	14.23	164	358191	20.00	ng	0.00
64) Phenanthrene-d10	16.99	188	732370	20.00	ng	0.00
76) Chrysene-d12	21.10	240	718394	20.00	ng	-0.01
86) Perylene-d12	23.30	264	799478	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.20	112	190229	21.87	ng	0.00
7) Phenol-d6	6.78	99	242288	20.92	ng	0.00
23) Nitrobenzene-d5	8.73	82	154821	14.78	ng	-0.01
42) 2,4,6-Tribromophenol	15.73	330	71740	20.92	ng	0.00
45) 2-Fluorobiphenyl	12.85	172	343694	16.13	ng	0.00
79) Terphenyl-d14	0.00	244	0d	0.00	ng	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Acenaphthylene	13.95	152	155131	5.062	ng	99
55) Dibenzofuran	14.63	168	61847	2.140	ng	97
58) Fluorene	15.29	166	79633	3.502	ng	94
71) Phenanthrene	17.03	178	1505772	43.953	ng	99
72) Anthracene	17.12	178	225103	6.614	ng	98
73) Carbazole	17.40	167	129272	3.861	ng	98
75) Fluoranthene	19.02	202	2412921	59.005	ng	99
78) Pyrene	19.37	202	2219363	50.436	ng	99
81) Benzo(a)anthracene	21.09	228	1029602	25.109	ng	95
83) Chrysene	21.13	228	1071764	27.587	ng	97
87) Indeno(1,2,3-cd)pyrene	25.51	276	788290	15.764	ng	97
88) Benzo(b)fluoranthene	22.64	252	1542023m	35.766	ng	
89) Benzo(k)fluoranthene	22.69	252	457732m	11.174	ng	
90) Benzo(a)pyrene	23.20	252	1100449	27.237	ng	98
91) Dibenzo(a,h)anthracene	25.52	278	182078m	4.539	ng	
92) Benzo(g,h,i)perylene	26.19	276	759337	18.278	ng	98

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

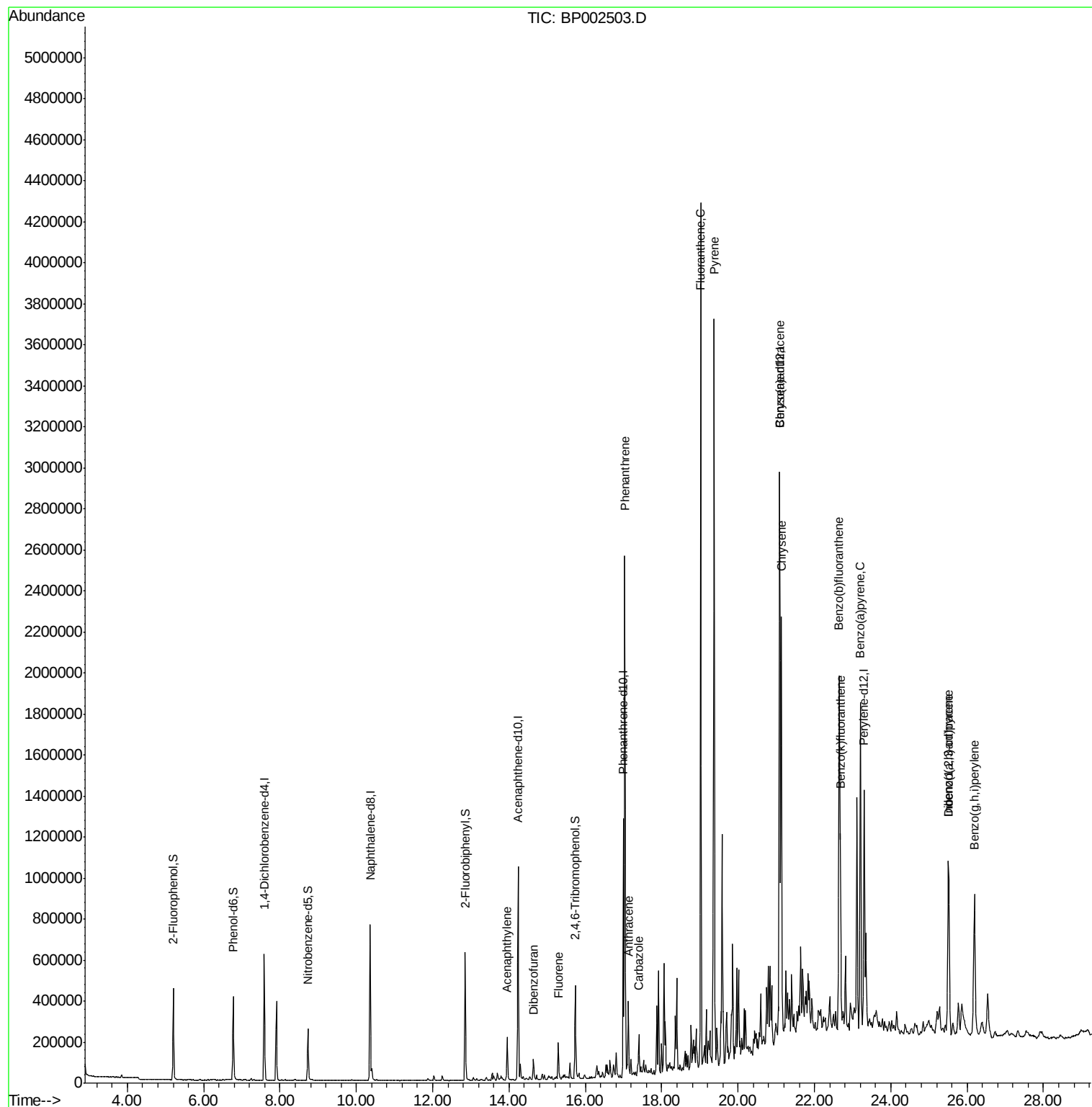
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP062320\
Data File : BP002503.D
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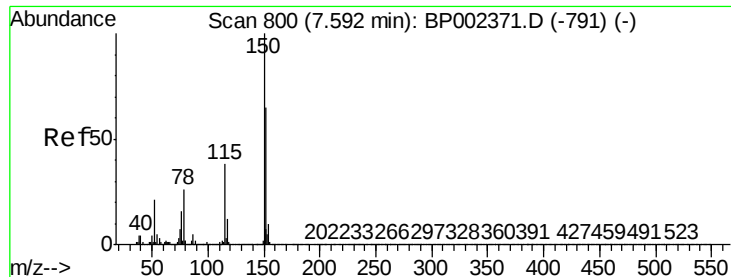
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Quant Time: Jun 24 09:25:09 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP060520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

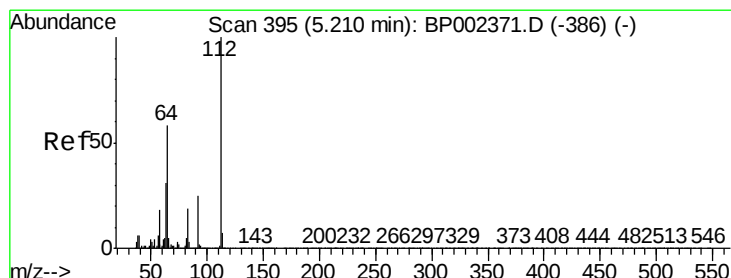
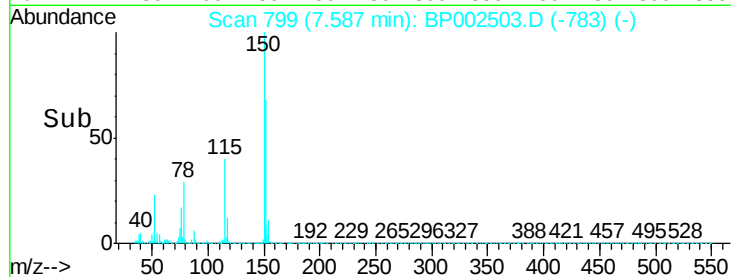
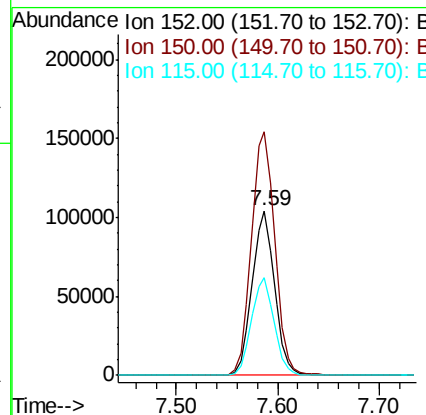
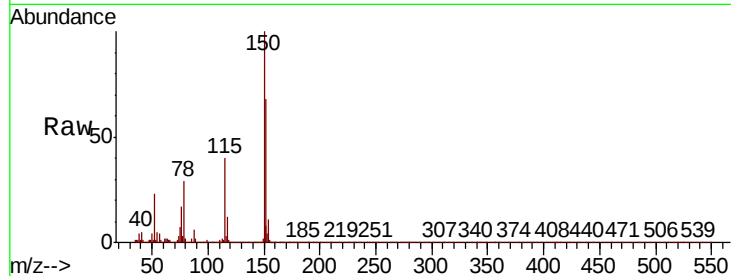
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.59 min Scan# 799
Delta R.T. -0.01 min
Lab File: BP002503.D
Acq: 23 Jun 2020 15:16

Instrument :
BNA_P
ClientSampleId :
SB-18DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	147.9	124.0	186.0
115	59.3	47.4	71.0

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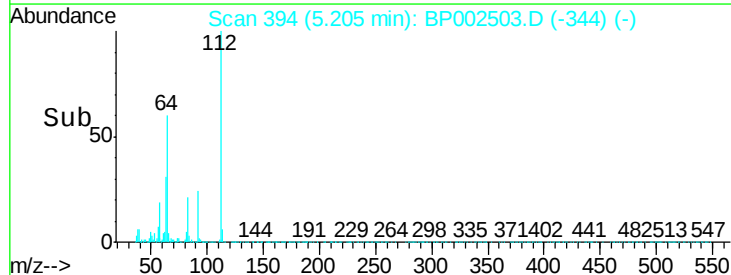
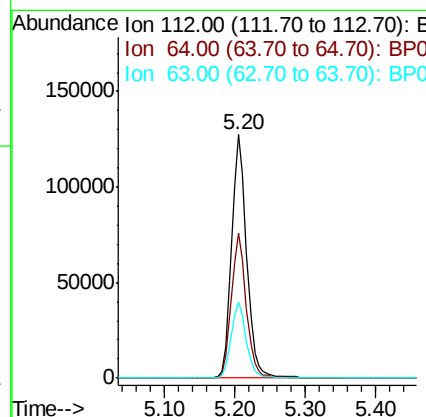
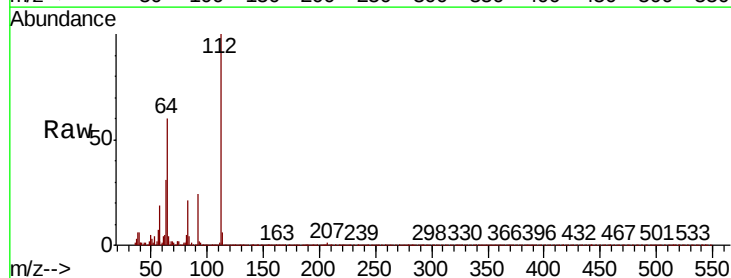
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#5

2-Fluorophenol
Concen: 21.870 ng
RT: 5.20 min Scan# 394
Delta R.T. -0.01 min
Lab File: BP002503.D
Acq: 23 Jun 2020 15:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.7	46.2	69.2
63	30.9	24.5	36.7





#7

Phenol-d6

Concen: 20.922 ng

RT: 6.78 min Scan# 661

Delta R.T. -0.01 min

Lab File: BP002503.D

Acq: 23 Jun 2020 15:16

Instrument :

BNA_P

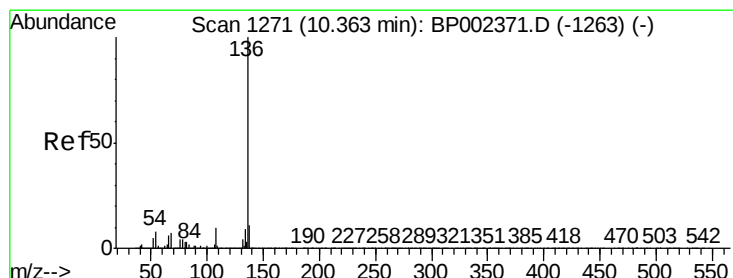
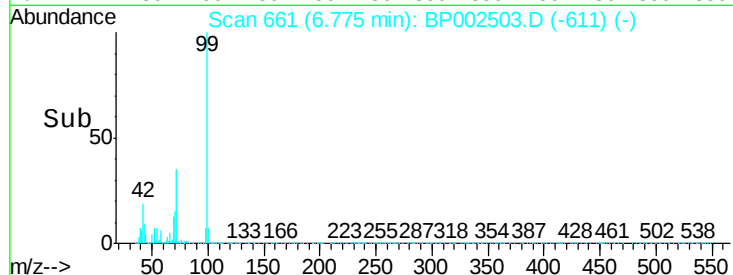
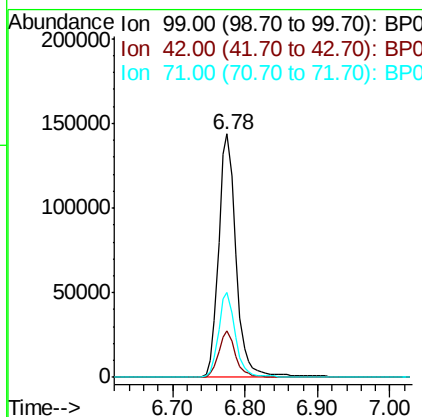
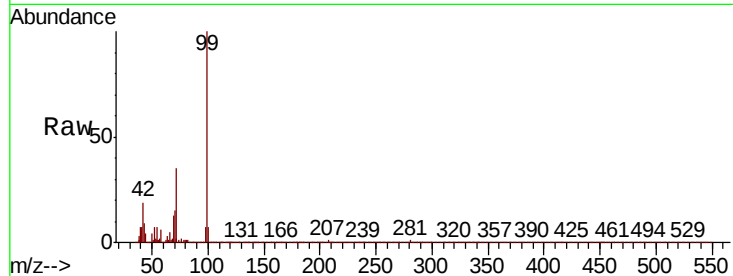
ClientSampleId :

SB-18DL

Tot Ion:	99	Resp:	242288
Ion Ratio	Lower	Upper	
99	100		
42	18.9	14.6	22.0
71	34.7	27.2	40.8

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#21

Naphthalene-d8

Concen: 20.000 ng

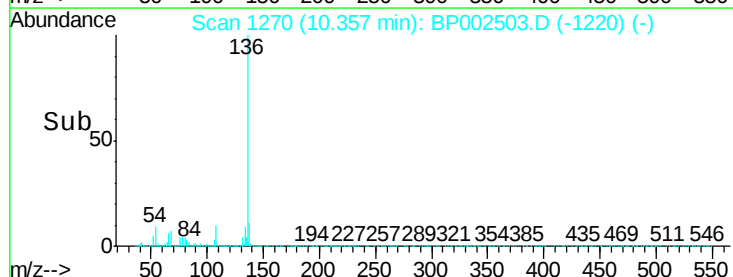
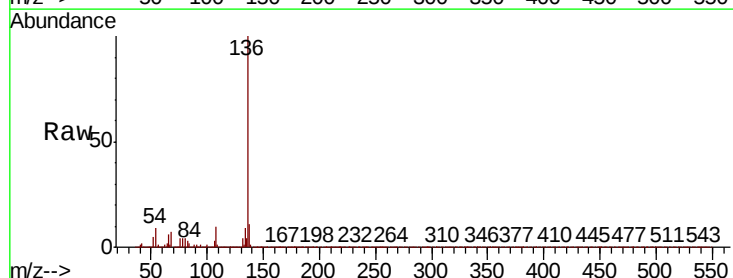
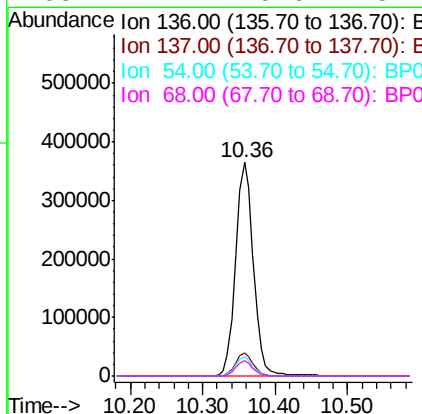
RT: 10.36 min Scan# 1270

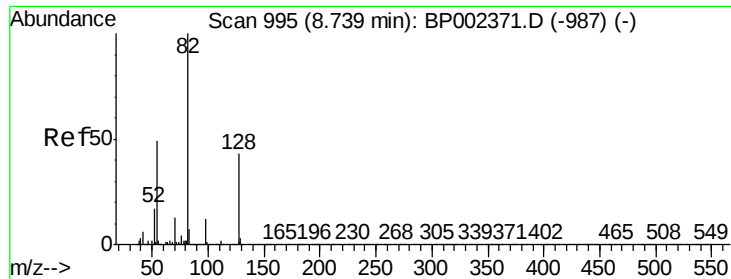
Delta R.T. -0.01 min

Lab File: BP002503.D

Acq: 23 Jun 2020 15:16

Tgt Ion:	136	Resp:	625421
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.8	13.2
54	8.9	6.4	9.6
68	7.1	5.6	8.4





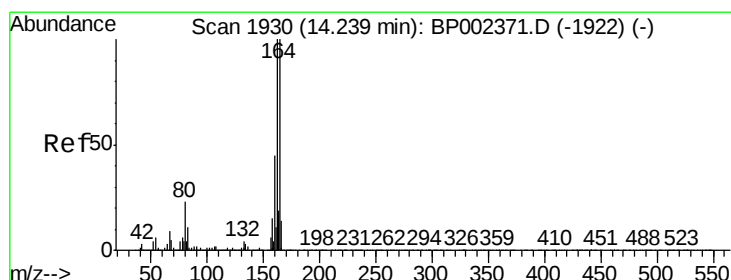
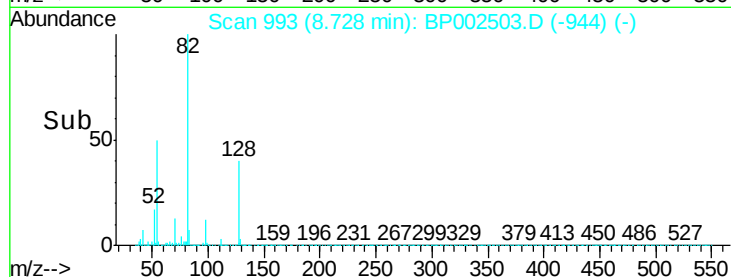
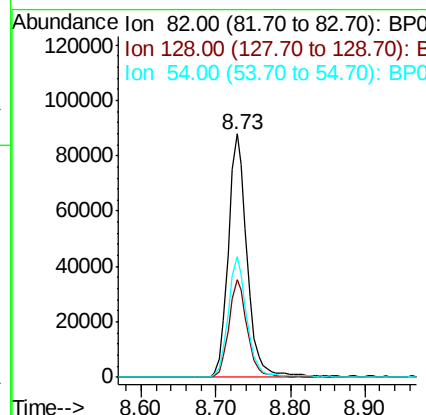
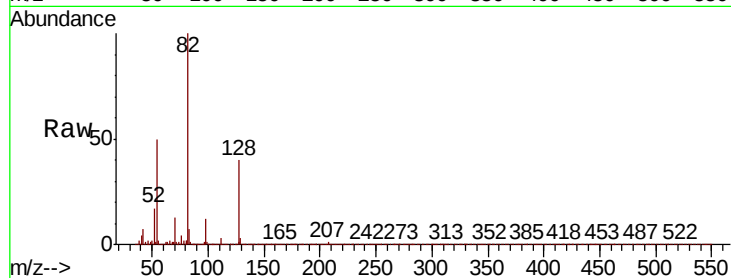
#23
 Nitrobenzene-d5
 Concen: 14.783 ng
 RT: 8.73 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: BP002503.D
 Acq: 23 Jun 2020 15:16

Instrument :
 BNA_P
 ClientSampleId :
 SB-18DL

Tot Ion:	82	Resp:	154821
Ion Ratio	Lower	Upper	
82	100		
128	40.1	34.5	51.7
54	49.7	39.4	59.2

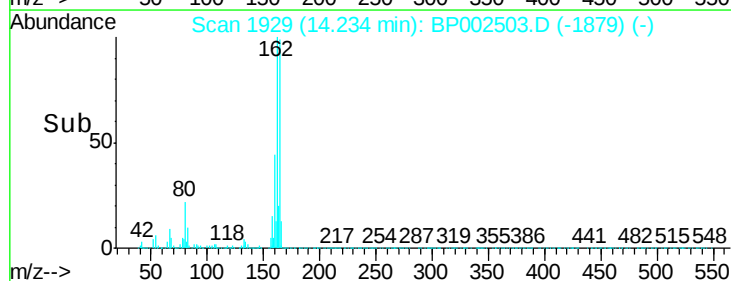
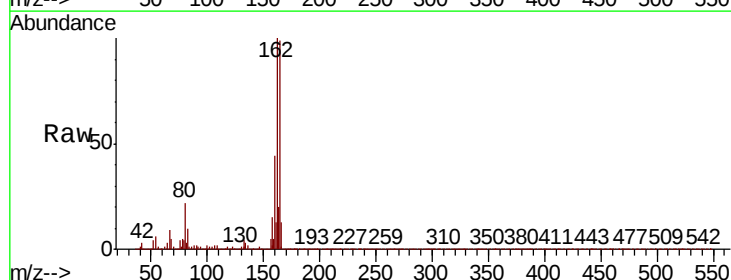
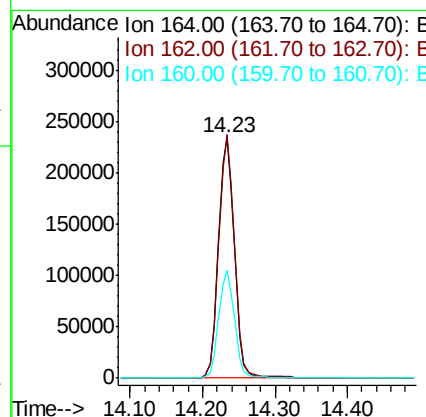
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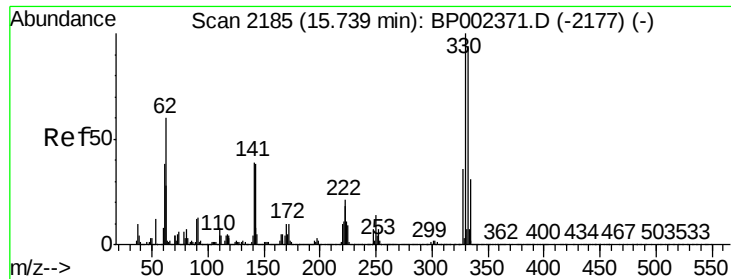
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.23 min Scan# 1929
 Delta R.T. -0.01 min
 Lab File: BP002503.D
 Acq: 23 Jun 2020 15:16

Tgt Ion:	164	Resp:	358191
Ion Ratio	Lower	Upper	
164	100		
162	101.4	79.8	119.8
160	45.1	36.2	54.2





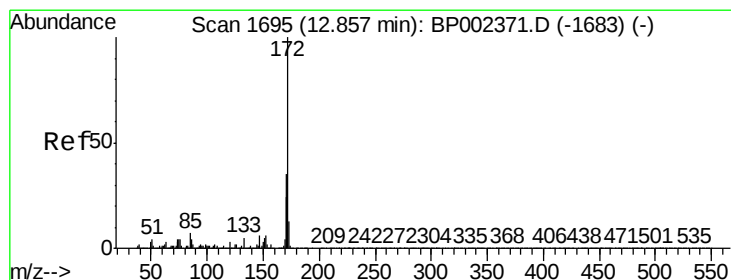
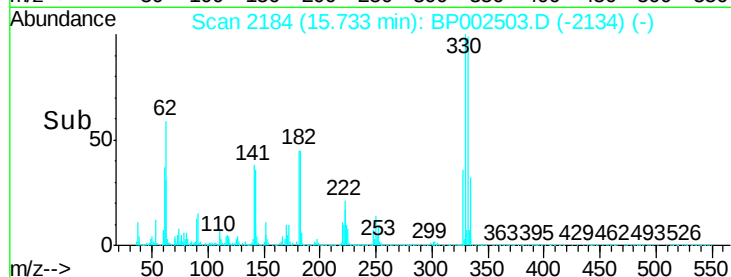
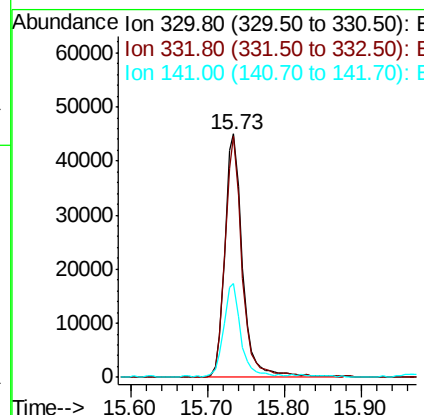
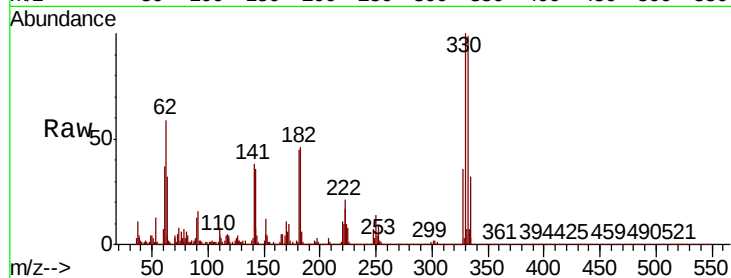
#42
 2,4,6-Tribromophenol
 Concen: 20.919 ng
 RT: 15.73 min Scan# 2184
 Delta R.T. -0.01 min
 Lab File: BP002503.D
 Acq: 23 Jun 2020 15:16

Instrument :
 BNA_P
 ClientSampleId :
 SB-18DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.6	115.0
141	36.1	30.3	45.5

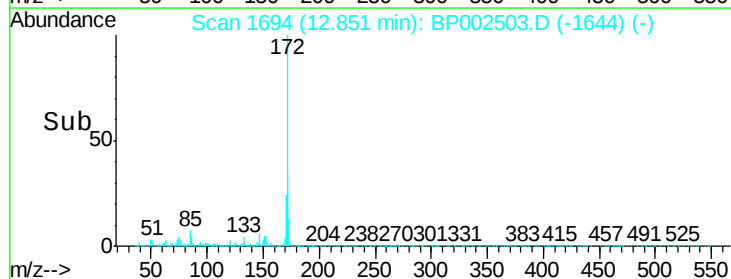
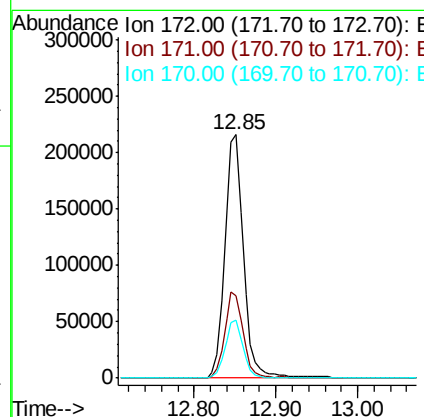
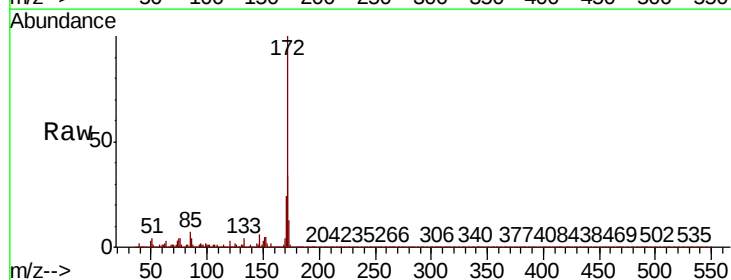
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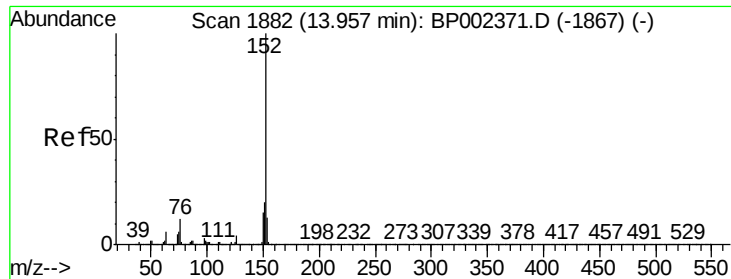
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#45
 2-Fluorobiphenyl
 Concen: 16.134 ng
 RT: 12.85 min Scan# 1694
 Delta R.T. -0.00 min
 Lab File: BP002503.D
 Acq: 23 Jun 2020 15:16

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.9	27.8	41.8
170	23.7	19.0	28.6





#49

Acenaphthylene

Concen: 5.062 ng

RT: 13.95 min Scan# 1881

Delta R.T. -0.01 min

Lab File: BP002503.D

Acq: 23 Jun 2020 15:16

Instrument :

BNA_P

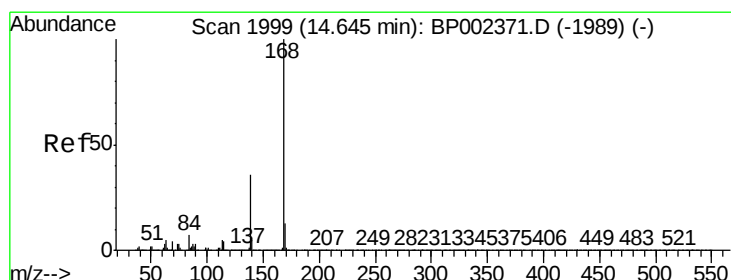
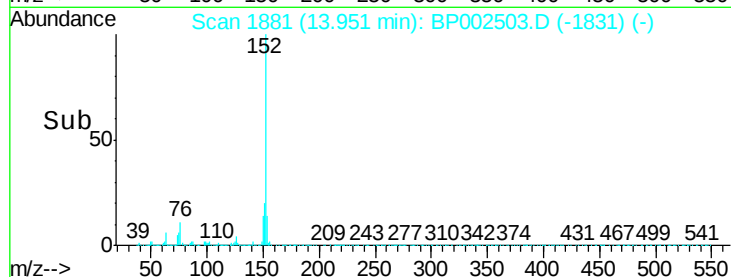
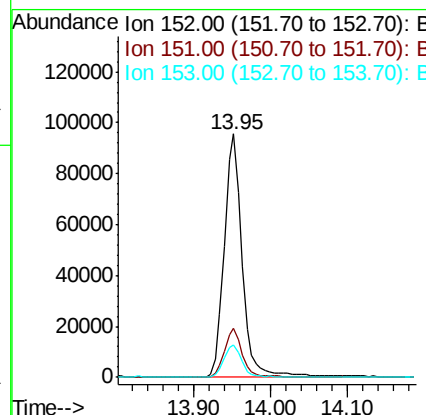
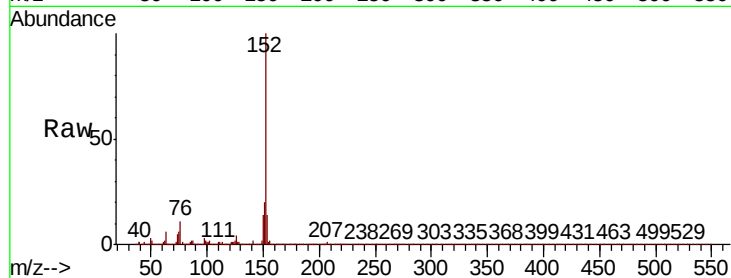
ClientSampleId :

SB-18DL

Tot Ion:	152	Resp:	155131
Ion Ratio	Lower	Upper	
152	100		
151	20.0	15.7	23.5
153	13.6	10.5	15.7

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#55

Dibenzofuran

Concen: 2.140 ng

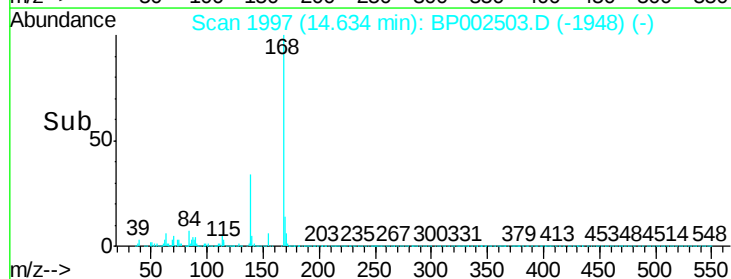
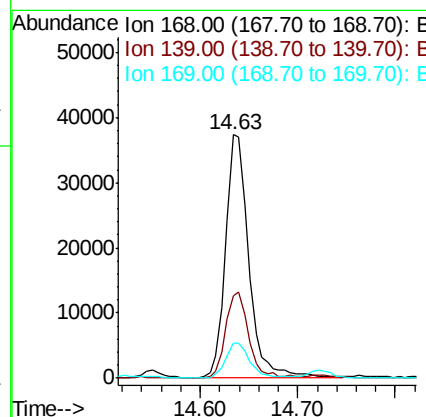
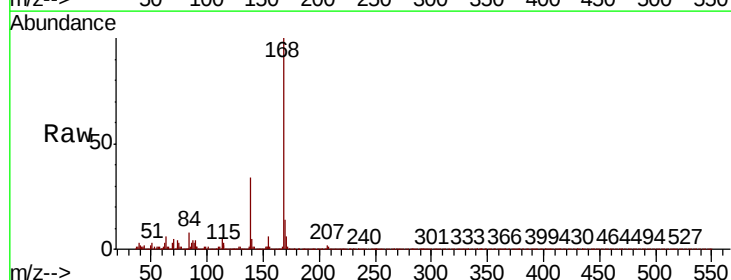
RT: 14.63 min Scan# 1997

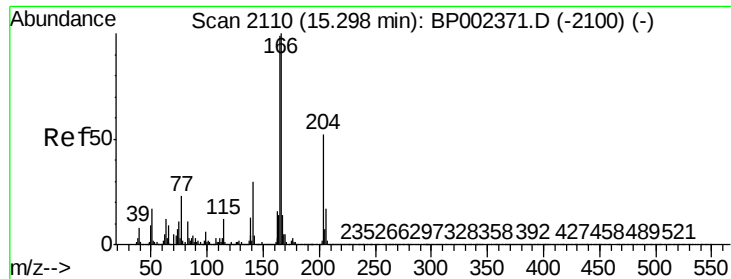
Delta R.T. -0.01 min

Lab File: BP002503.D

Acq: 23 Jun 2020 15:16

Tgt Ion:	168	Resp:	61847
Ion Ratio	Lower	Upper	
168	100		
139	33.9	28.9	43.3
169	14.3	10.6	15.8





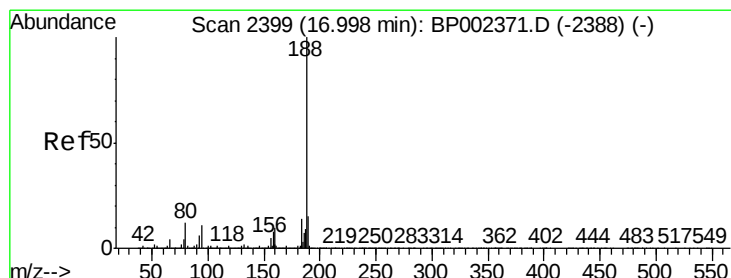
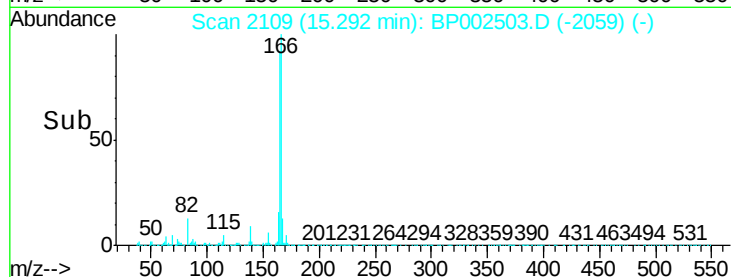
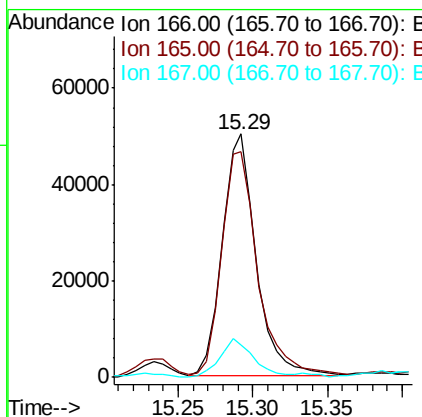
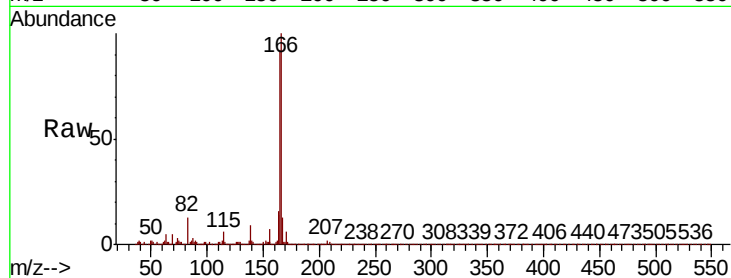
#58
 Fluorene
 Concen: 3.502 ng
 RT: 15.29 min Scan# 2109
 Delta R.T. -0.00 min
 Lab File: BP002503.D
 Acq: 23 Jun 2020 15:16

Instrument :
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 ClientSampleId :
 SB-18DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	92.5	79.1	118.7
167	13.2	11.0	16.4

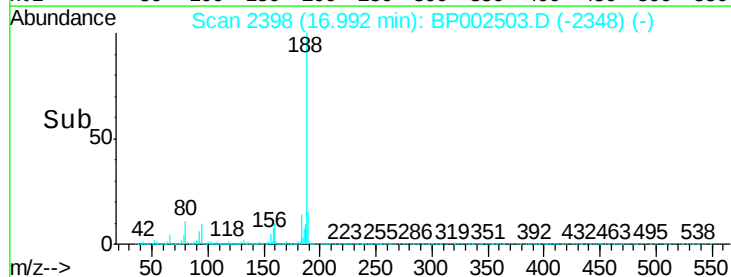
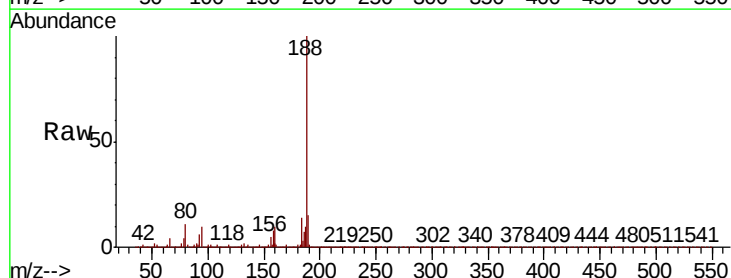
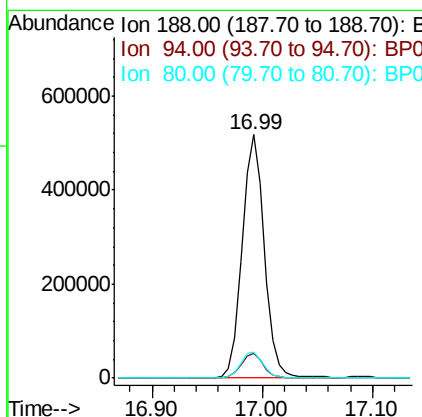
Manual Integrations
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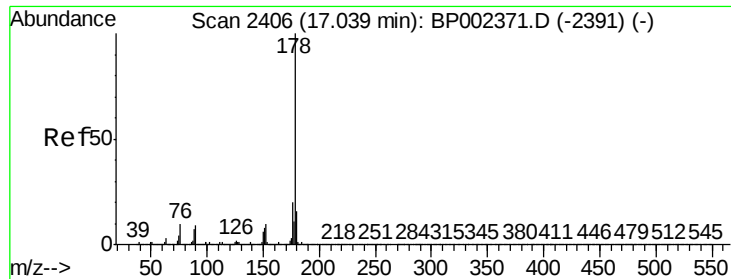
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 16.99 min Scan# 2398
 Delta R.T. -0.01 min
 Lab File: BP002503.D
 Acq: 23 Jun 2020 15:16

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.5	12.7
80	10.6	9.4	14.0





#71

Phenanthrene

Concen: 43.953 ng

RT: 17.03 min Scan# 2405

Delta R.T. -0.01 min

Lab File: BP002503.D

Acq: 23 Jun 2020 15:16

Instrument :

BNA_P

ClientSampleId :

SB-18DL

Tot Ion:178 Resp: 1505772

Ion Ratio Lower Upper

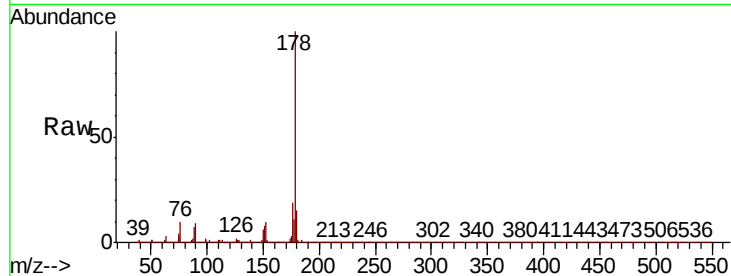
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176 19.5 15.8 23.6

179 15.1 12.5 18.7

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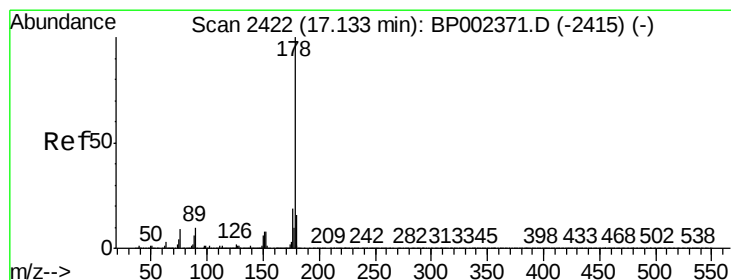
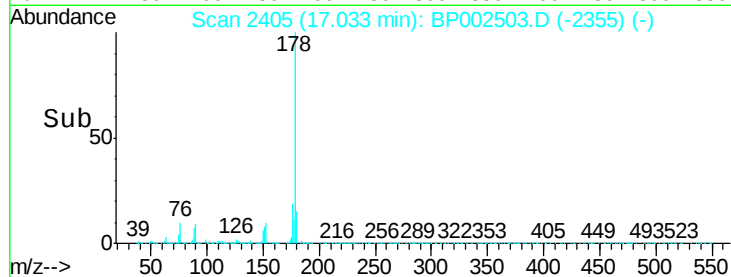
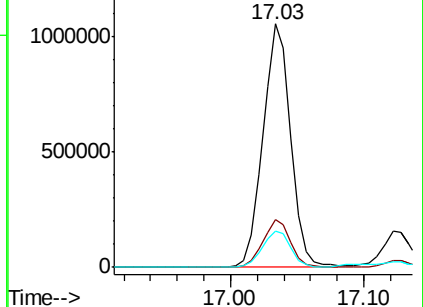
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 6.614 ng

RT: 17.12 min Scan# 2420

Delta R.T. -0.01 min

Lab File: BP002503.D

Acq: 23 Jun 2020 15:16

Tgt Ion:178 Resp: 225103

Ion Ratio Lower Upper

178 100

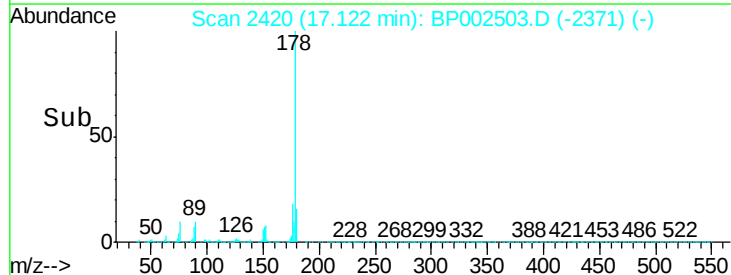
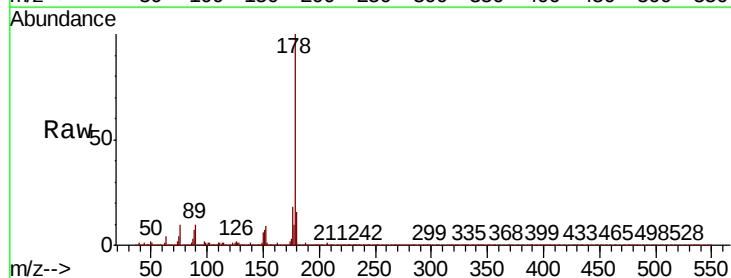
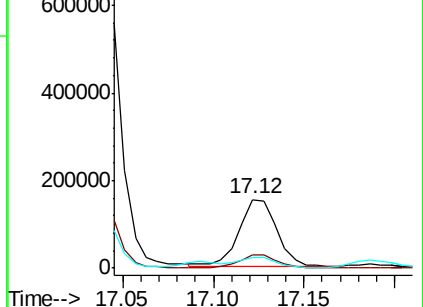
176 18.4 15.5 23.3

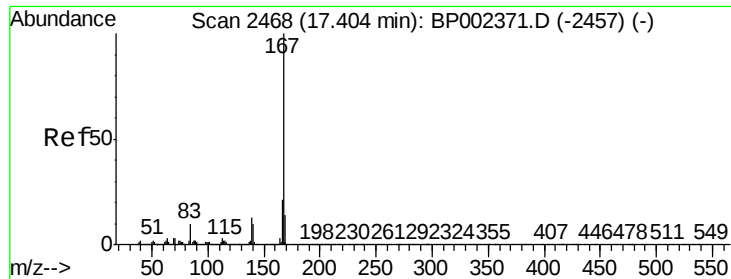
179 15.7 13.0 19.4

Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





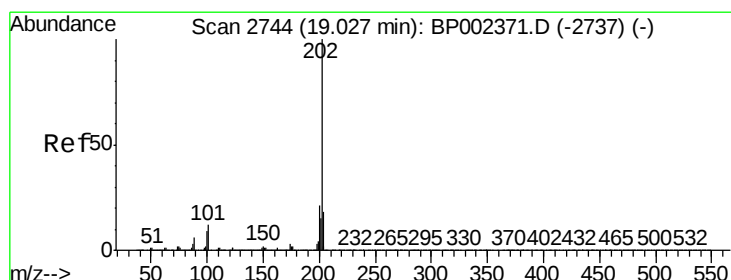
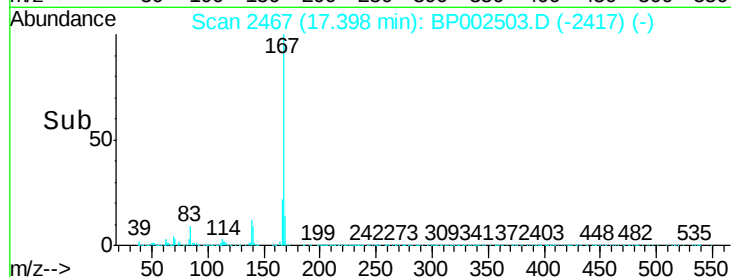
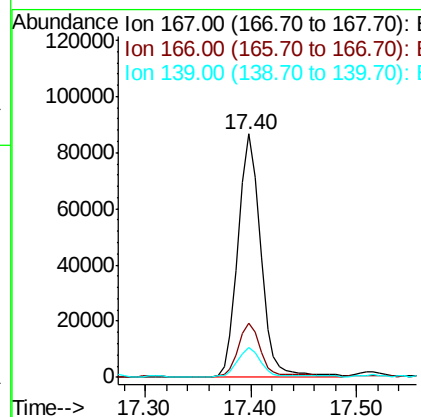
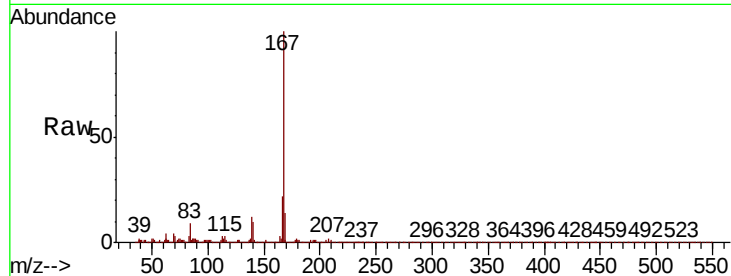
#73
 Carbazole
 Concen: 3.861 ng
 RT: 17.40 min Scan# 2467
 Delta R.T. -0.01 min
 Lab File: BP002503.D
 Acq: 23 Jun 2020 15:16

Instrument :
 BNA_P
 ClientSampleId :
 SB-18DL

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.1	25.7
139	12.2	10.3	15.5

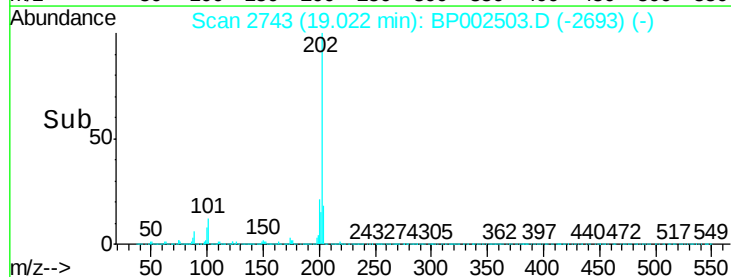
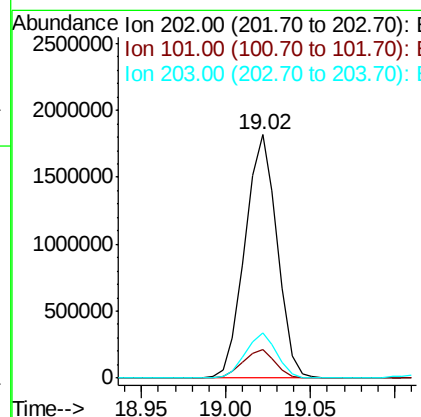
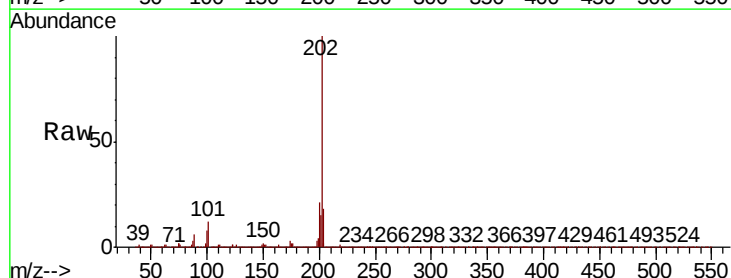
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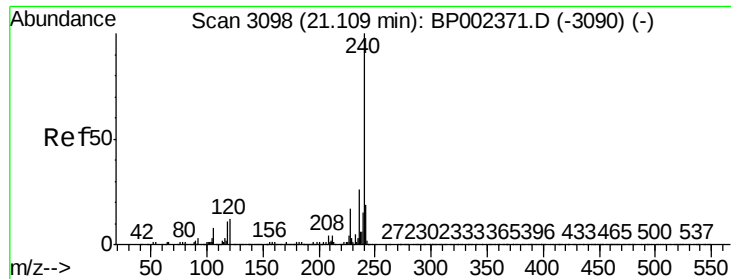
mohammad
 6/25/2020 1:06:13 PM



#75
 Fluoranthene
 Concen: 59.005 ng
 RT: 19.02 min Scan# 2743
 Delta R.T. -0.01 min
 Lab File: BP002503.D
 Acq: 23 Jun 2020 15:16

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	31.8
203	18.3	0.0	38.0





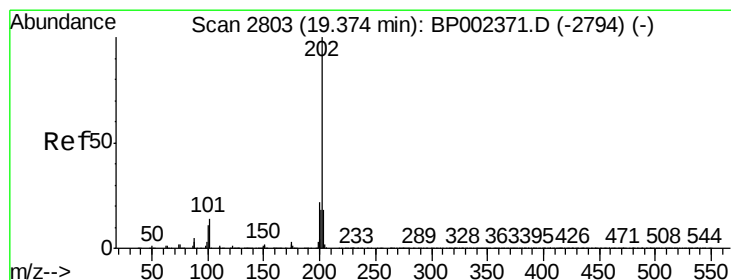
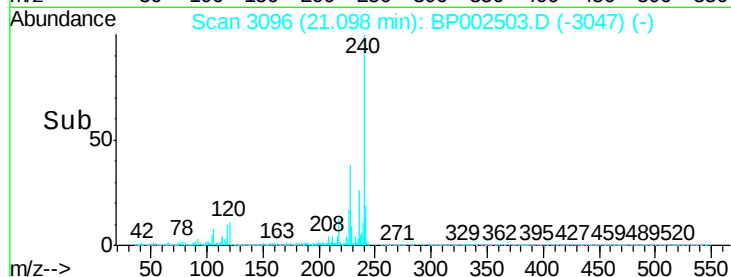
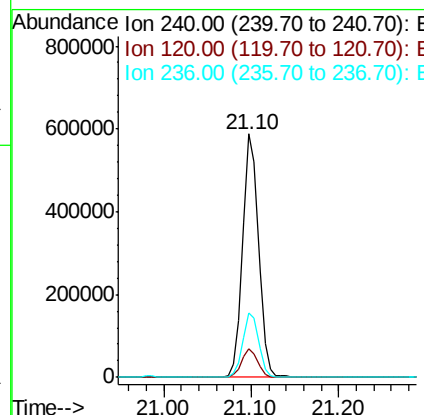
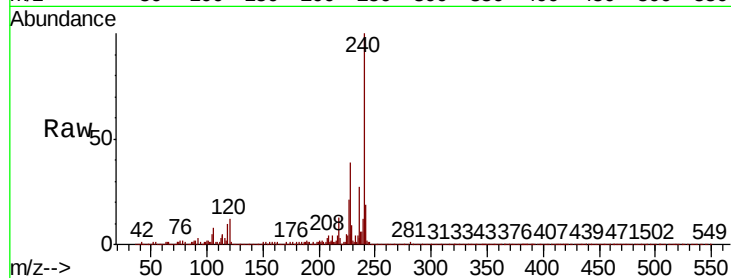
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.10 min Scan# 3096
Delta R.T. -0.01 min
Lab File: BP002503.D
Acq: 23 Jun 2020 15:16

Instrument :
BNA_P
ClientSampleId :
SB-18DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.6	9.3	13.9
236	26.5	21.0	31.6

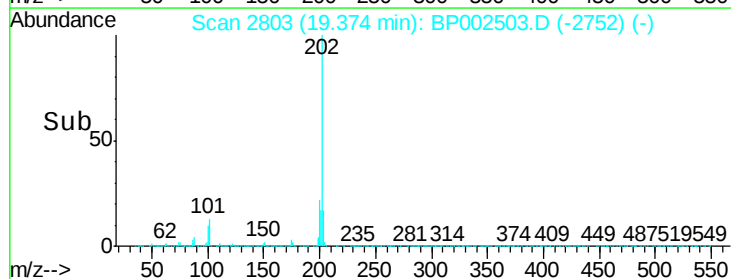
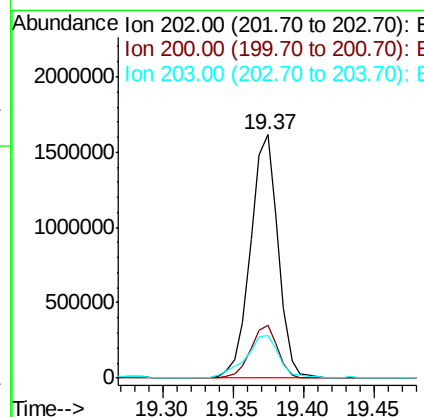
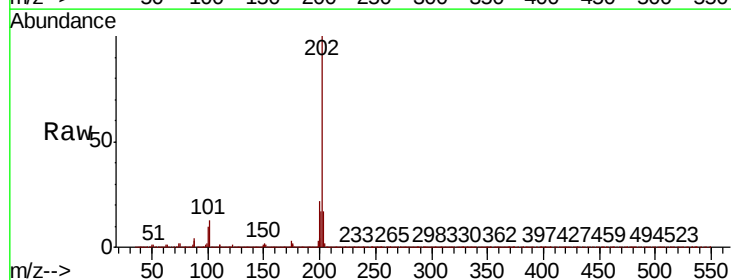
Manual Integrations
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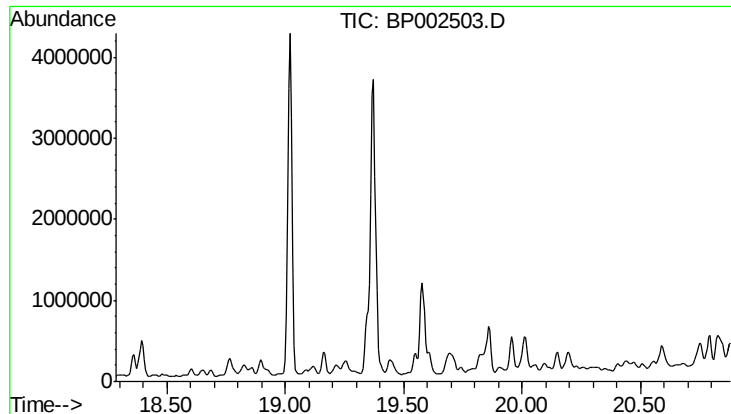
mohammad
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#78
Pyrene
Concen: 50.436 ng
RT: 19.37 min Scan# 2803
Delta R.T. 0.00 min
Lab File: BP002503.D
Acq: 23 Jun 2020 15:16

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.7	26.5
203	17.5	14.6	22.0





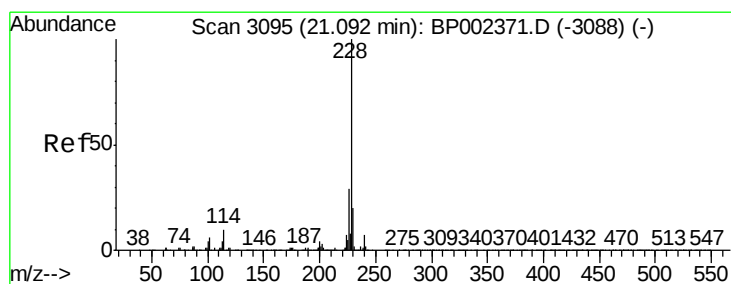
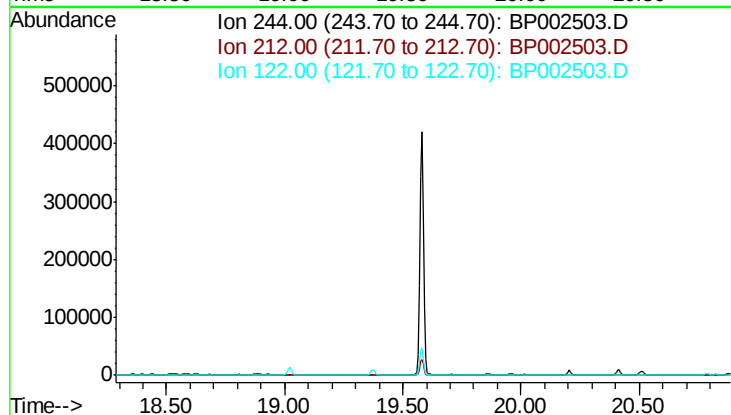
#79
 Terphenyl-d14
 Concen: 0.000 ng
 Expected RT: 19.59 min
 Lab File: BP002503.D
 Acq: 23 Jun 2020 15:16

Instrument :
 BNA_P
 ClientSampleId :
 SB-18DL

Tot Ion: 244
 Sig Exp Ratio
 244 100
 212 8.3
 122 11.0

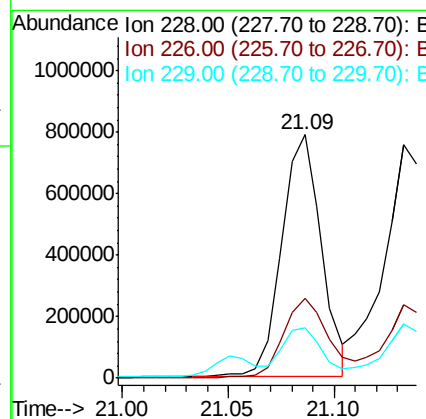
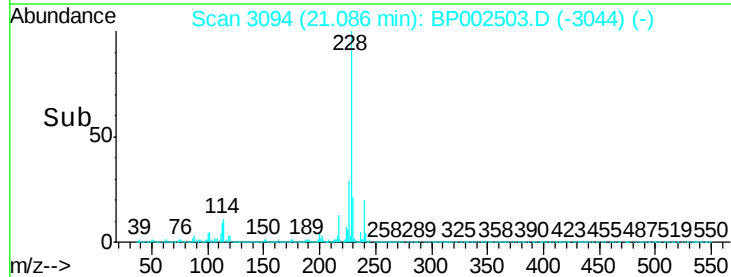
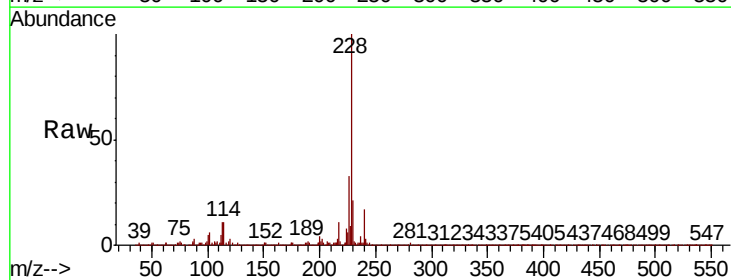
Manual Integrations
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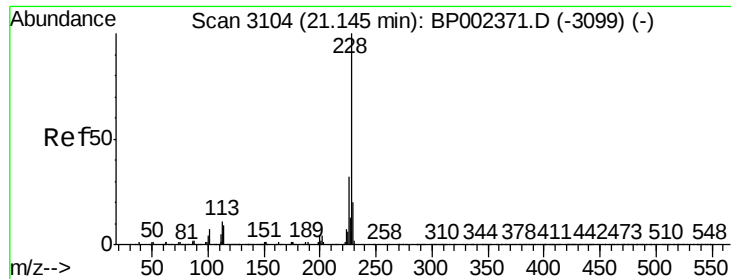
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#81
 Benzo(a)anthracene
 Concen: 25.109 ng
 RT: 21.09 min Scan# 3094
 Delta R.T. -0.01 min
 Lab File: BP002503.D
 Acq: 23 Jun 2020 15:16

Tgt Ion: 228 Resp: 1029602
 Ion Ratio Lower Upper
 228 100
 226 32.6 22.8 34.2
 229 20.7 16.2 24.2





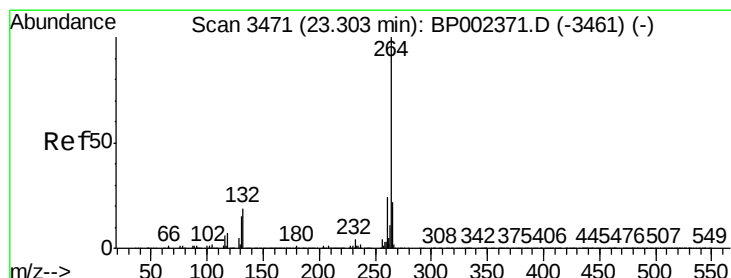
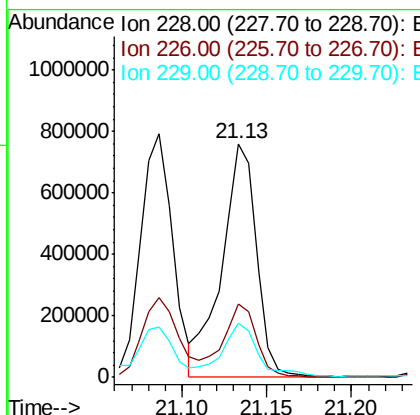
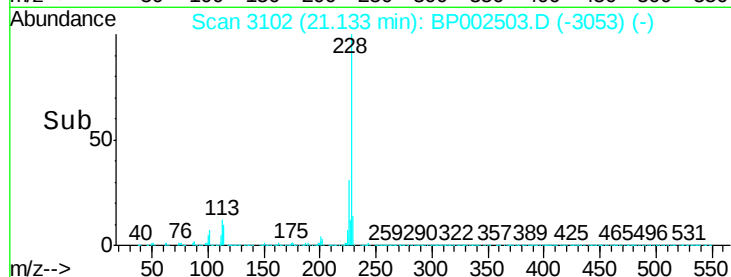
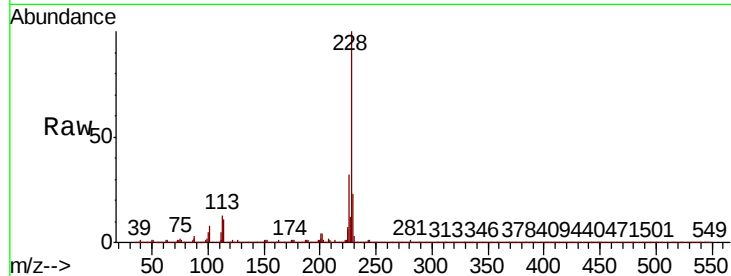
#83
Chrysene
Concen: 27.587 ng
RT: 21.13 min Scan# 3102
Delta R.T. -0.01 min
Lab File: BP002503.D
Acq: 23 Jun 2020 15:16

Instrument :
BNA_P
ClientSampleID :
SB-18DL

Tot Ion:228 Resp: 1071764
Ion Ratio Lower Upper
228 100
226 31.6 25.2 37.8
229 23.1 16.1 24.1

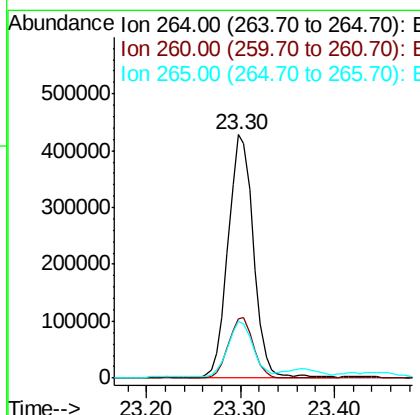
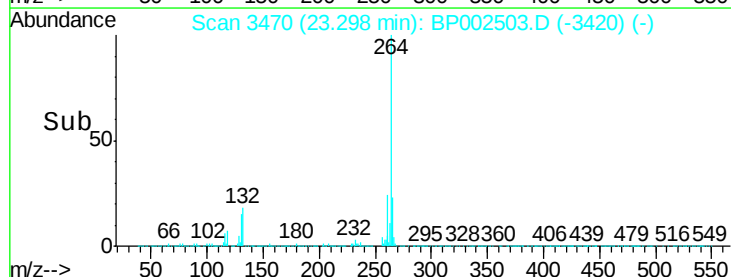
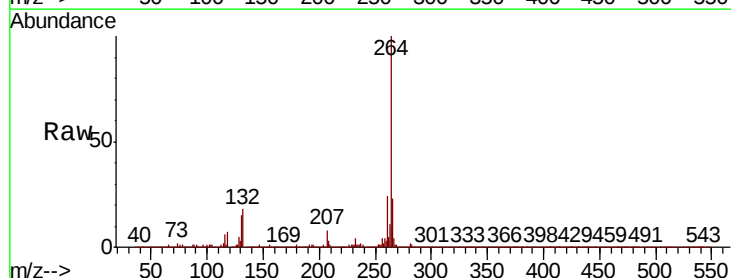
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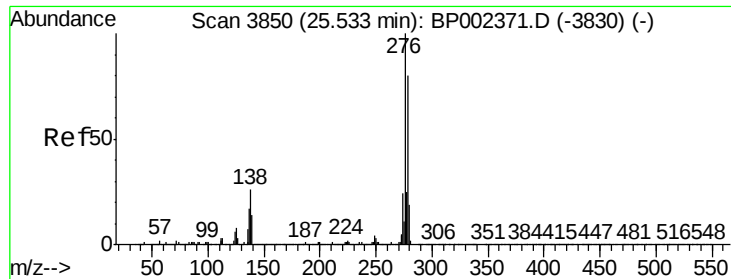
mohammad
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#86
Perylene-d12
Concen: 20.000 ng
RT: 23.30 min Scan# 3470
Delta R.T. -0.01 min
Lab File: BP002503.D
Acq: 23 Jun 2020 15:16

Tgt Ion:264 Resp: 799478
Ion Ratio Lower Upper
264 100
260 24.4 19.4 29.0
265 23.2 17.4 26.2





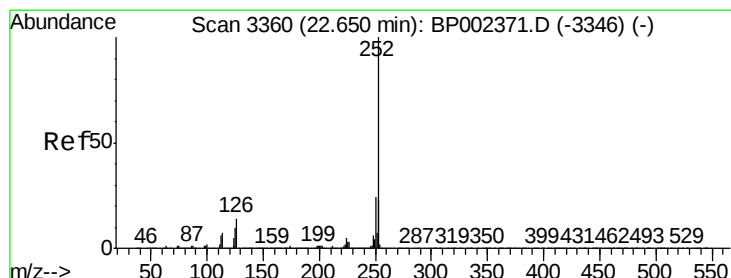
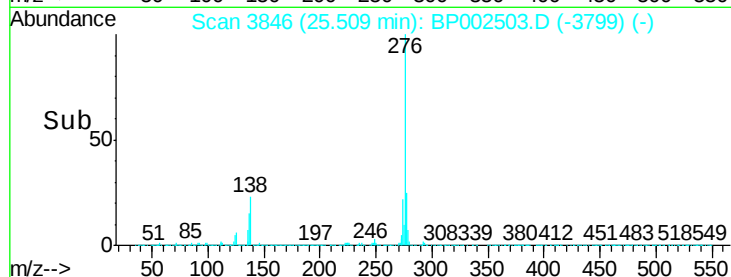
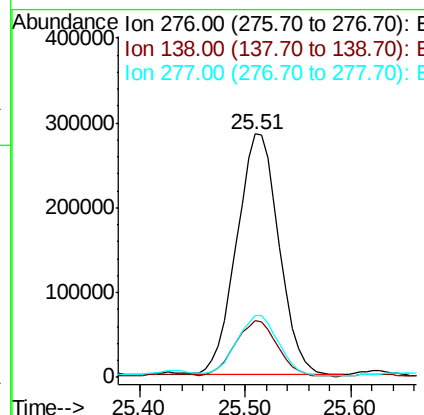
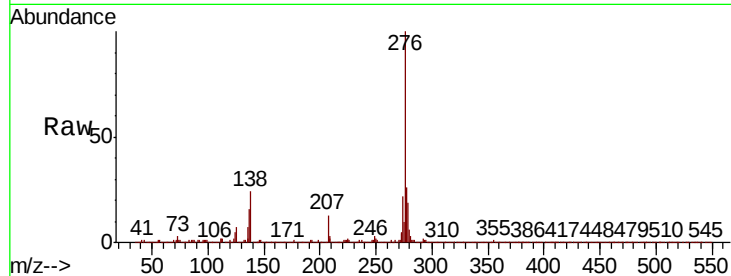
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 15.764 ng
 RT: 25.51 min Scan# 3846
 Delta R.T. -0.02 min
 Lab File: BP002503.D
 Acq: 23 Jun 2020 15:16

Instrument :
 BNA_P
 ClientSampleId :
 SB-18DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.5	21.2	31.8
277	25.4	20.3	30.5

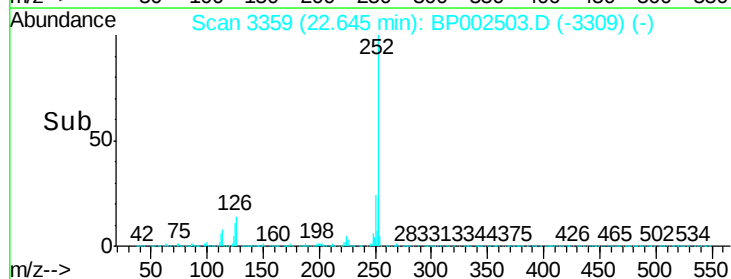
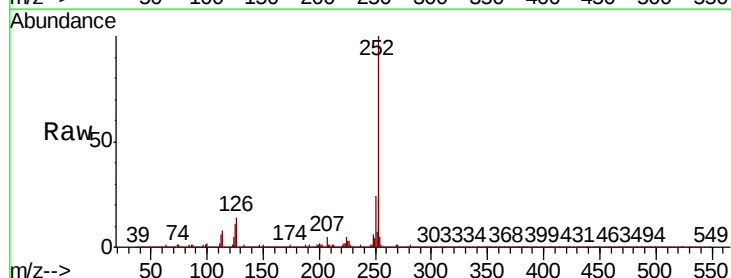
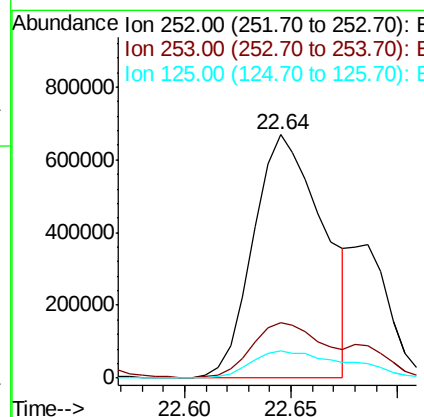
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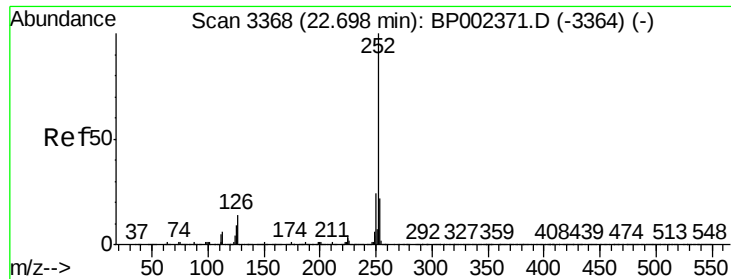
mohammad
 6/25/2020 1:06:13 PM



#88
 Benzo(b)fluoranthene
 Concen: 35.766 ng m
 RT: 22.64 min Scan# 3359
 Delta R.T. -0.01 min
 Lab File: BP002503.D
 Acq: 23 Jun 2020 15:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.1	27.1
125	11.1	8.2	12.2





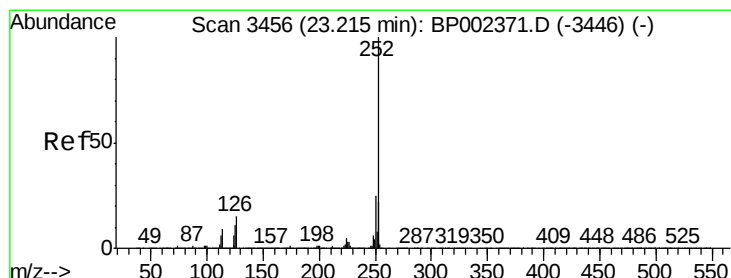
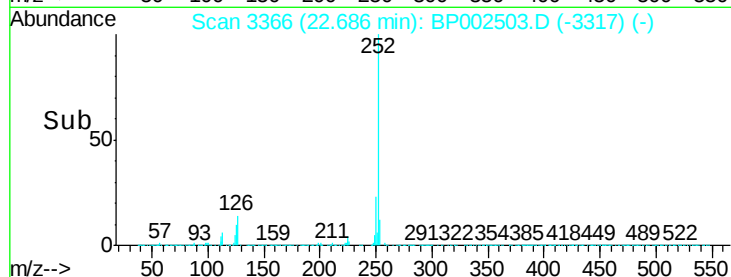
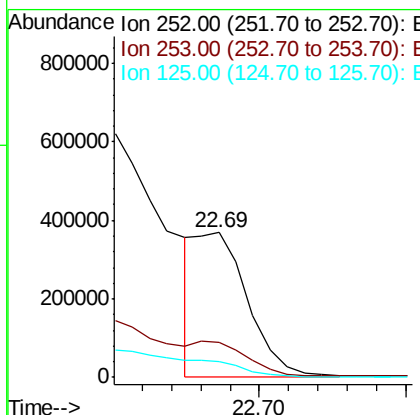
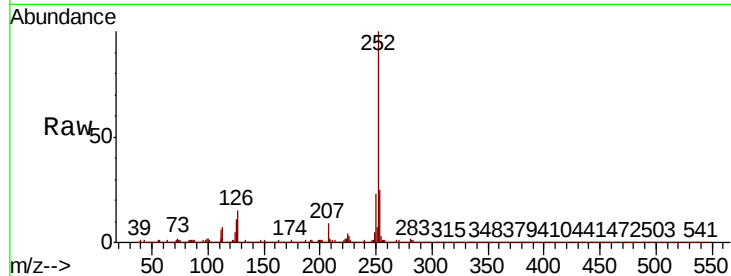
#89
Benzo(k)fluoranthene
Concen: 11.174 ng m
RT: 22.69 min Scan# 3368
Delta R.T. -0.01 min
Lab File: BP002503.D
Acq: 23 Jun 2020 15:16

Instrument :
BNA_P
ClientSampled :
SB-18DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.8	26.6
125	10.6	7.8	11.8

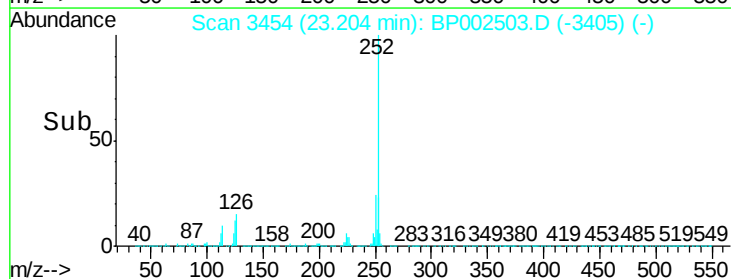
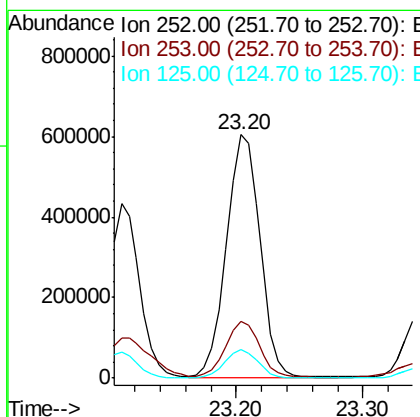
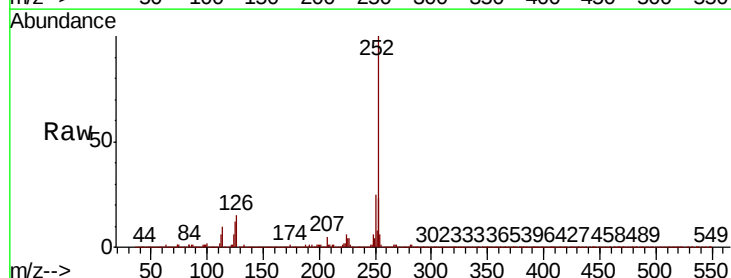
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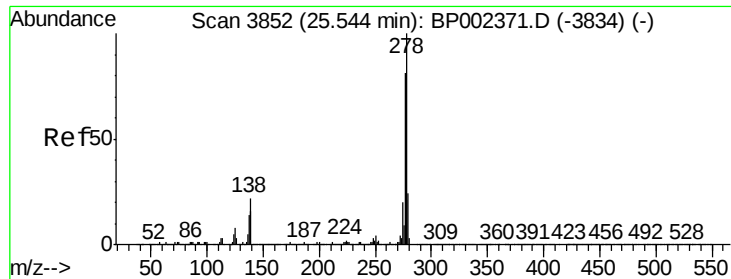
mohammad
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#90
Benzo(a)pyrene
Concen: 27.237 ng
RT: 23.20 min Scan# 3454
Delta R.T. -0.01 min
Lab File: BP002503.D
Acq: 23 Jun 2020 15:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.8
125	11.7	9.2	13.8





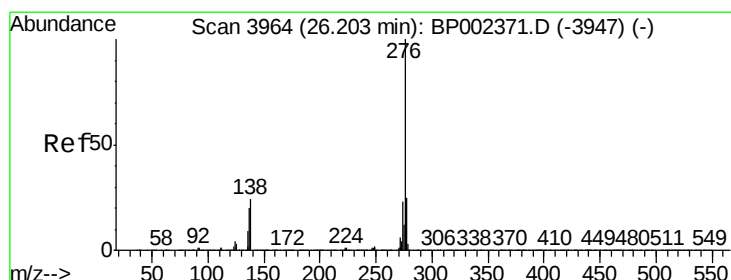
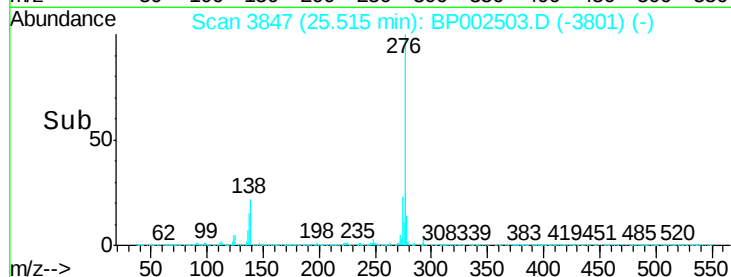
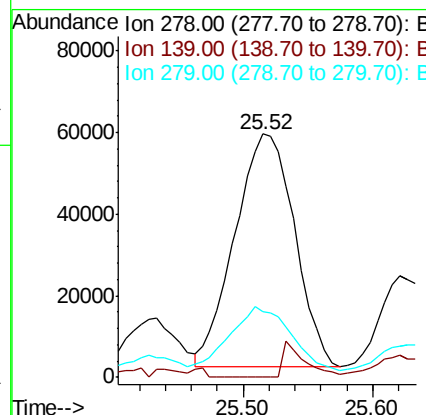
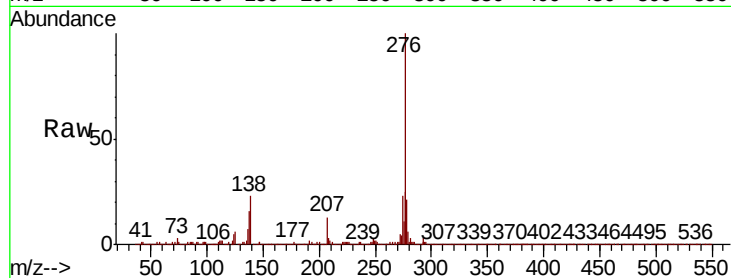
#91
Dibenzo(a,h)anthracene
Concen: 4.539 ng m
RT: 25.52 min Scan# 3847
Delta R.T. -0.03 min
Lab File: BP002503.D
Acq: 23 Jun 2020 15:16

Instrument :
BNA_P
ClientSampleId :
SB-18DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.1	19.7#
279	26.7	18.9	28.3

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 18.278 ng
RT: 26.19 min Scan# 3962
Delta R.T. -0.01 min
Lab File: BP002503.D
Acq: 23 Jun 2020 15:16

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.8	29.6
138	23.4	19.2	28.8

