

Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP071520\
 Data File : BP002766.D
 Acq On : 15 Jul 2020 21:53
 Operator : CG/JU
 Sample : L3183-06 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OK-01-071420

Manual Integrations
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mohammad
 7/16/2020 11:07:34 AM

Quant Time: Jul 16 02:44:42 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP071020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 13 10:54:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	160923	20.00	ng	0.01
21) Naphthalene-d8	10.33	136	644483	20.00	ng	0.00
39) Acenaphthene-d10	14.21	164	380855	20.00	ng	0.00
64) Phenanthrene-d10	16.97	188	795399	20.00	ng	0.00
76) Chrysene-d12	21.09	240	595332	20.00	ng	0.01
86) Perylene-d12	23.28	264	596306	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	96113	10.08	ng	0.00
7) Phenol-d6	6.77	99	132135	9.71	ng	0.01
23) Nitrobenzene-d5	8.71	82	78661	6.53	ng	0.00
42) 2,4,6-Tribromophenol	15.72	330	39098	9.83	ng	0.01
45) 2-Fluorobiphenyl	12.83	172	197722	8.03	ng	0.00
79) Terphenyl-d14	19.56	244	232795	8.97	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	13.93	152	280103	7.705	ng	100
58) Fluorene	15.27	166	85961	3.334	ng	96
71) Phenanthrene	17.02	178	784161	18.208	ng	99
72) Anthracene	17.11	178	430721	10.192	ng	99
75) Fluoranthene	19.00	202	1824642	36.565	ng	99
78) Pyrene	19.36	202	1891989	46.030	ng	100
81) Benzo(a)anthracene	21.07	228	1016161	26.368	ng	96
83) Chrysene	21.12	228	894188	24.376	ng	99
87) Indeno(1,2,3-cd)pyrene	25.49	276	587132	13.623	ng	96
88) Benzo(b)fluoranthene	22.63	252	1198798	32.376	ng	98
89) Benzo(k)fluoranthene	22.67	252	372889m	10.224	ng	
90) Benzo(a)pyrene	23.19	252	904310	25.773	ng	98
91) Dibenzo(a,h)anthracene	25.50	278	168909	4.860	ng	# 88
92) Benzo(g,h,i)perylene	26.17	276	565377	16.043	ng	98

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

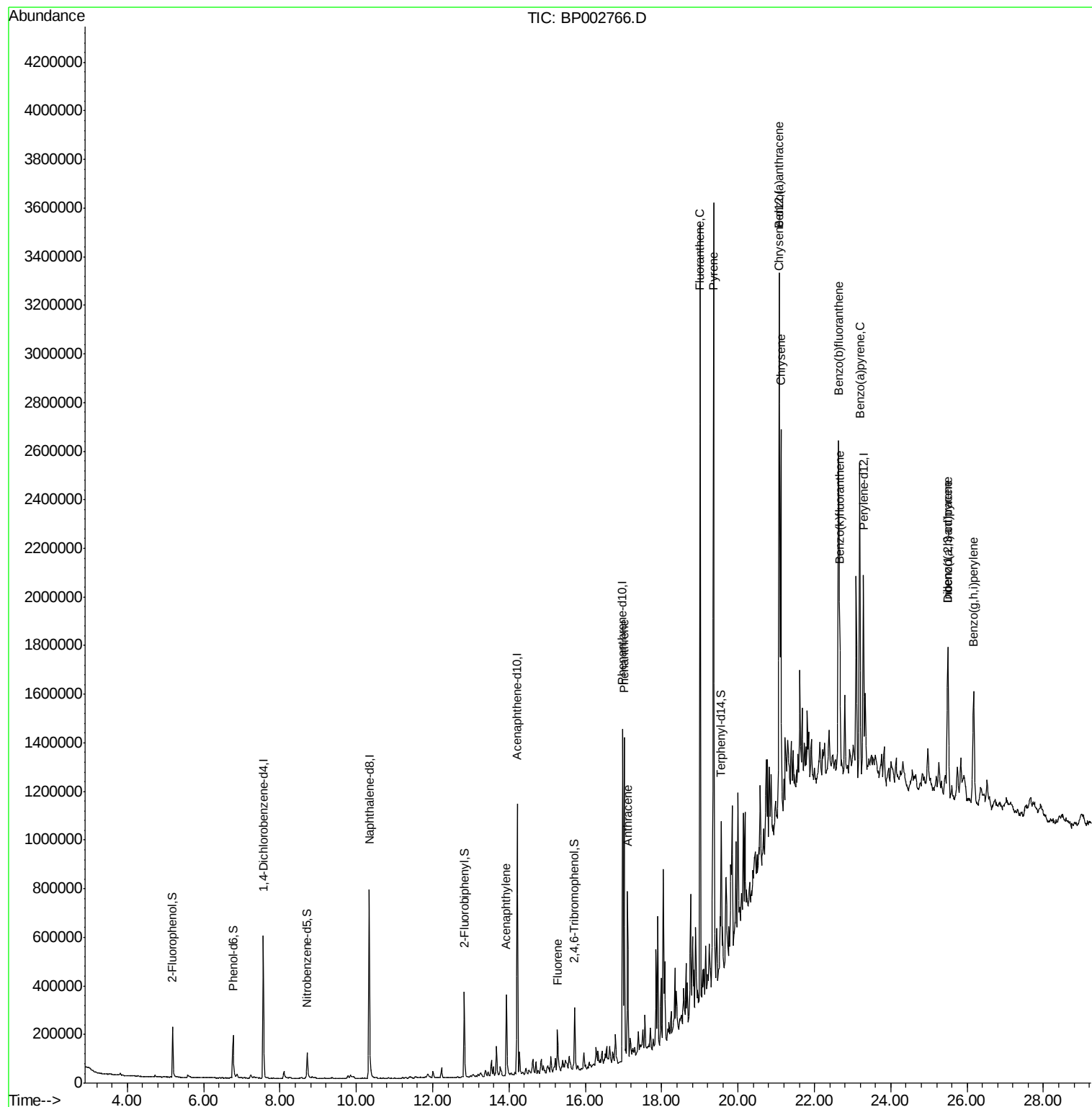
Data Path : Z:\svoasrv\HPCHEM1\BNA P\Data\BP071520\
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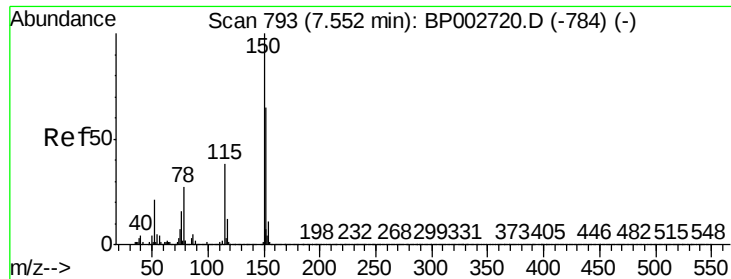
Instrument :
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OK-01-071420

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

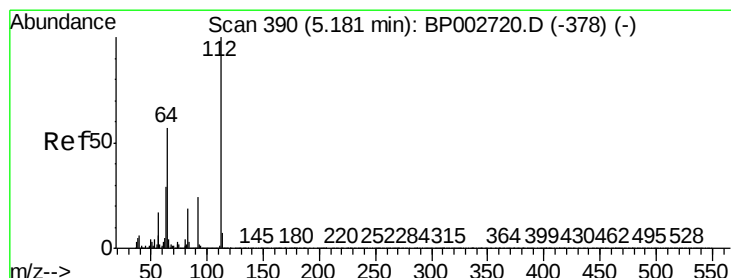
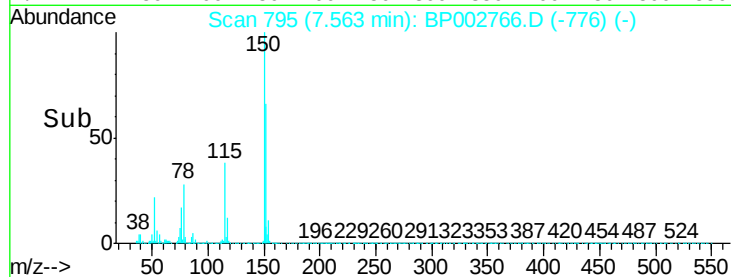
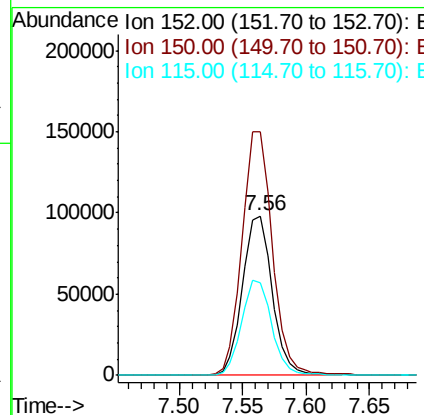
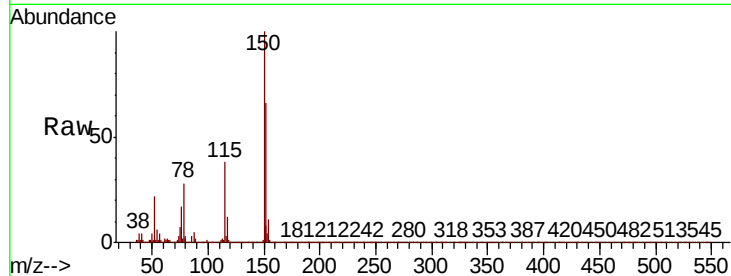
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.56 min Scan# 795
Delta R.T. 0.01 min
Lab File: BP002766.D
Acq: 15 Jul 2020 21:53

Instrument :
BNA_P
ClientSampleId :
OK-01-071420

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.6	123.7	185.5
115	58.1	47.2	70.8

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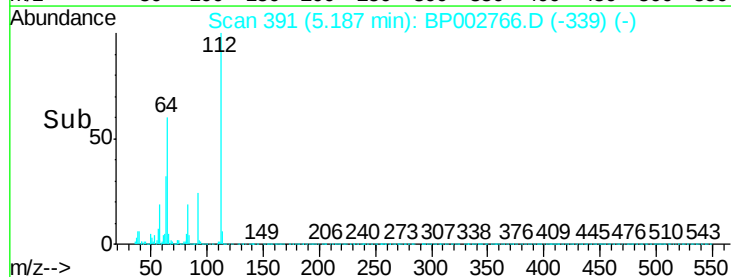
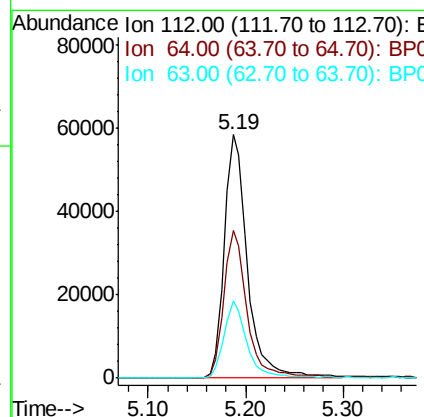
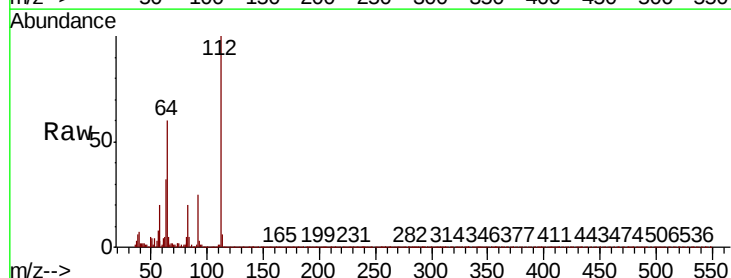
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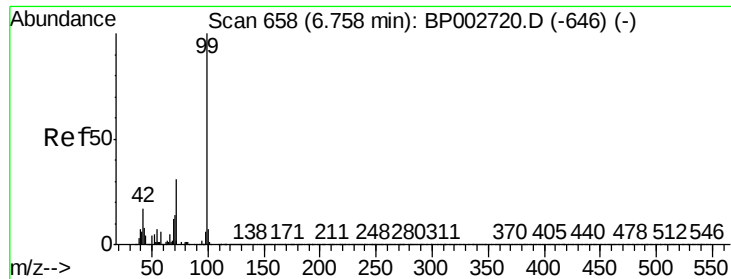


#5

2-Fluorophenol
Concen: 10.077 ng
RT: 5.19 min Scan# 391
Delta R.T. 0.01 min
Lab File: BP002766.D
Acq: 15 Jul 2020 21:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.4	45.6	68.4
63	31.7	23.5	35.3





#7

Phenol-d6

Concen: 9.707 ng

RT: 6.77 min Scan# 660

Delta R.T. 0.01 min

Lab File: BP002766.D

Acq: 15 Jul 2020 21:53

Instrument :

BNA_P

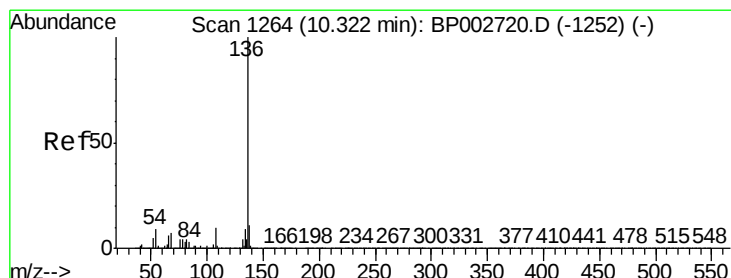
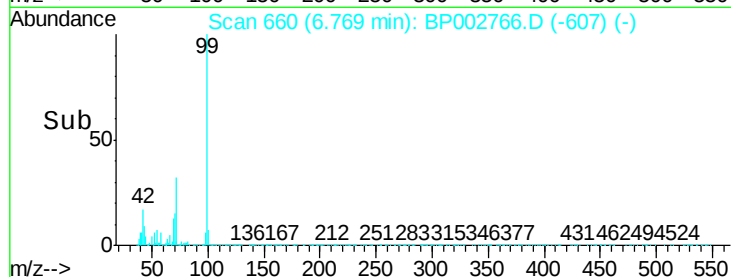
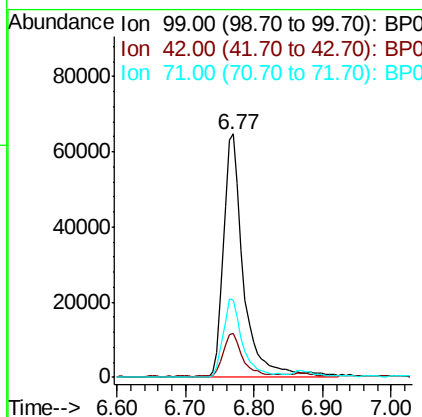
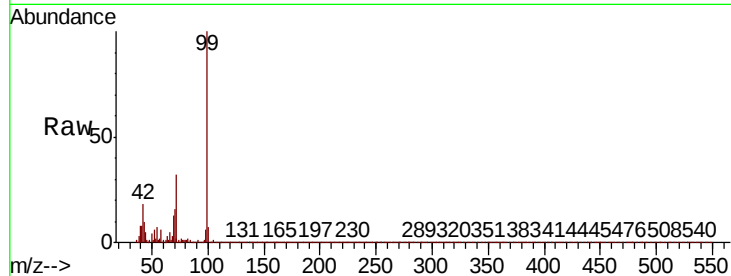
ClientSampleId :

OK-01-071420

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		132135		
42	17.8	13.4	20.2		
71	32.0	24.6	36.8		

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#21

Naphthalene-d8

Concen: 20.000 ng

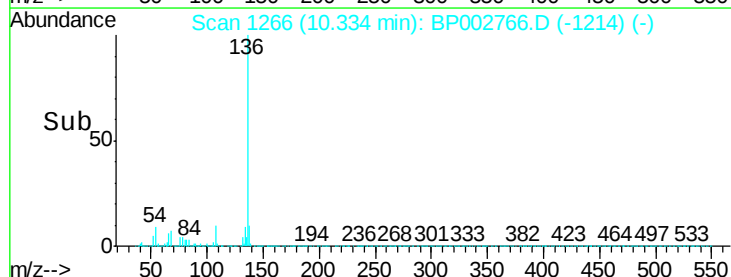
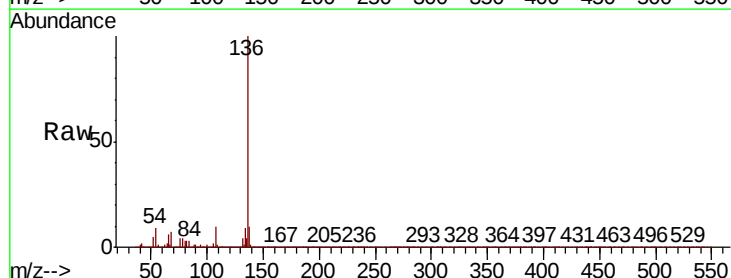
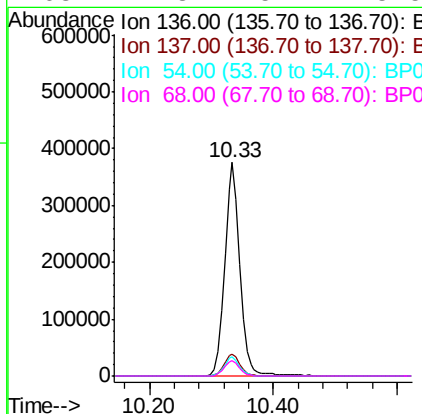
RT: 10.33 min Scan# 1266

Delta R.T. 0.01 min

Lab File: BP002766.D

Acq: 15 Jul 2020 21:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		644483		
137	10.4	8.6	13.0		
54	9.1	6.9	10.3		
68	7.3	5.7	8.5		





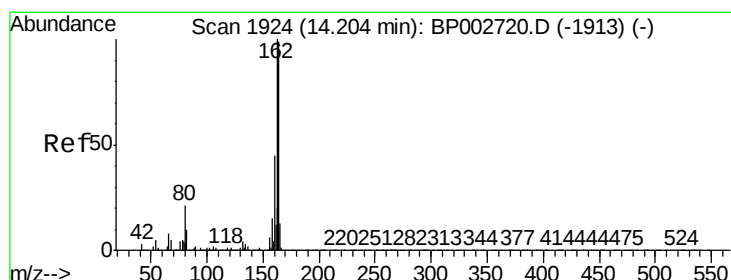
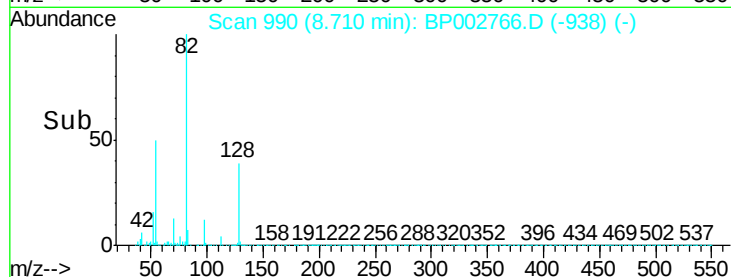
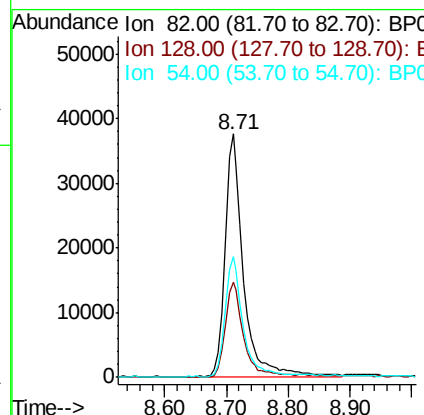
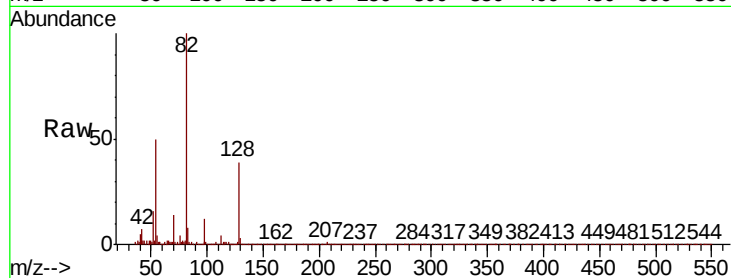
#23
Nitrobenzene-d5
Concen: 6.528 ng
RT: 8.71 min Scan# 990
Delta R.T. 0.01 min
Lab File: BP002766.D
Acq: 15 Jul 2020 21:53

Instrument :
BNA_P
ClientSampleId :
OK-01-071420

Tot Ion	Ion	Ratio	Resp	Lower	Upper
82	100				
128	38.9	33.8	50.8		
54	49.8	38.8	58.2		

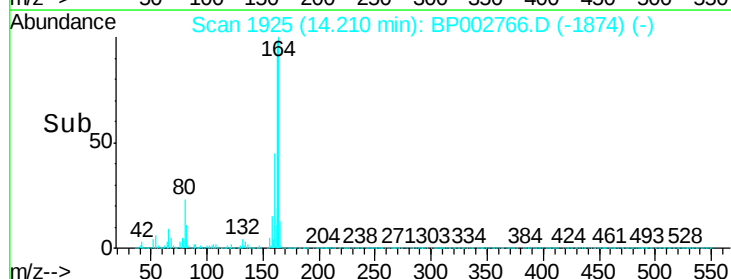
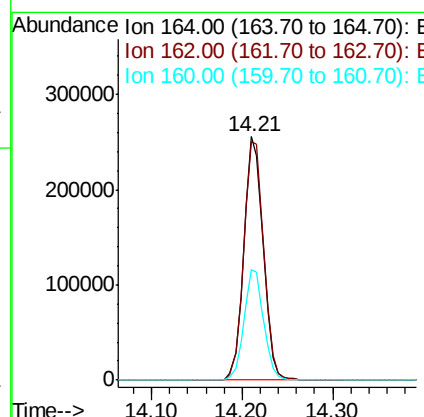
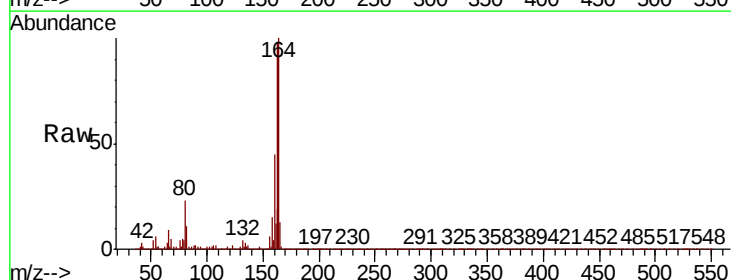
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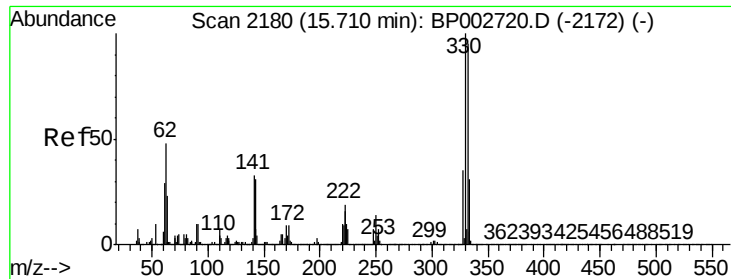
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.21 min Scan# 1925
Delta R.T. 0.00 min
Lab File: BP002766.D
Acq: 15 Jul 2020 21:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
164	100				
162	98.0	80.6	121.0		
160	45.3	36.4	54.6		





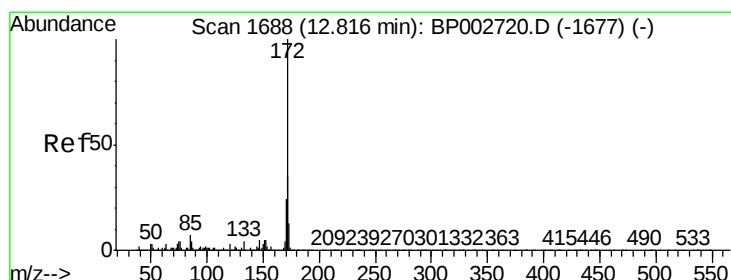
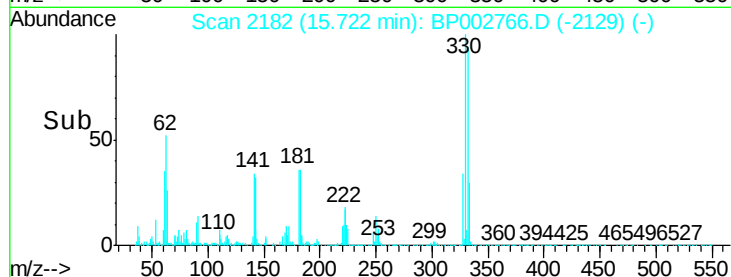
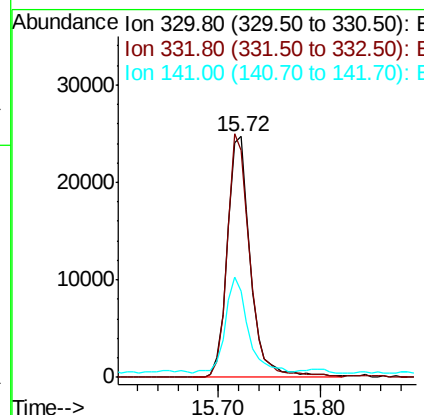
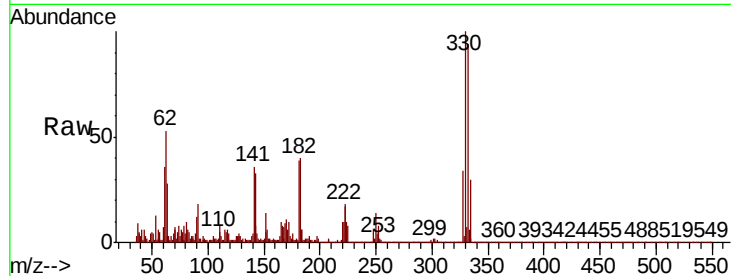
#42
 2,4,6-Tribromophenol
 Concen: 9.835 ng
 RT: 15.72 min Scan# 2182
 Delta R.T. 0.01 min
 Lab File: BP002766.D
 Acq: 15 Jul 2020 21:53

Instrument :
 BNA_P
 ClientSampleId :
 OK-01-071420

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.4	76.5	114.7
141	39.8	28.8	43.2

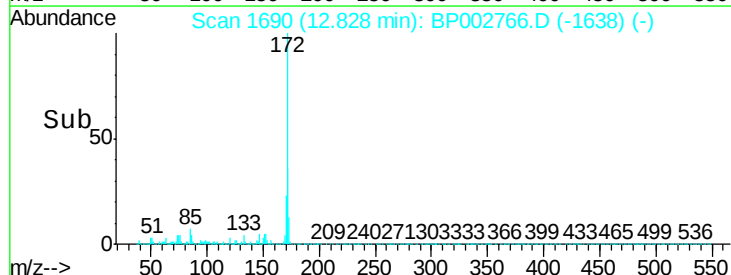
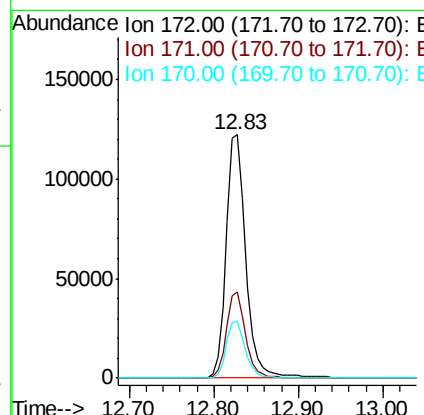
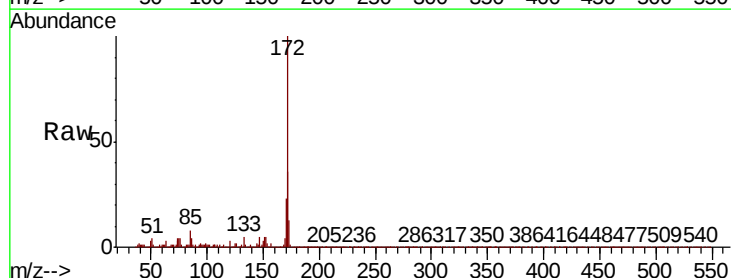
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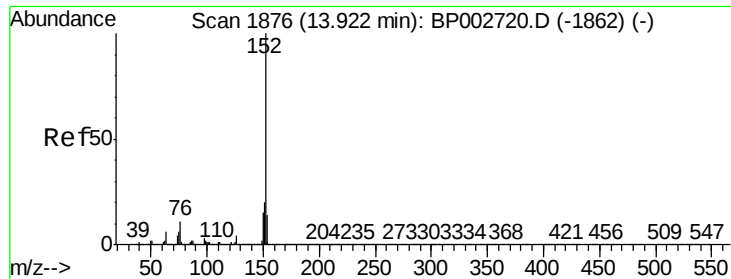
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#45
 2-Fluorobiphenyl
 Concen: 8.031 ng
 RT: 12.83 min Scan# 1690
 Delta R.T. 0.01 min
 Lab File: BP002766.D
 Acq: 15 Jul 2020 21:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.1	42.1
170	23.4	19.3	28.9





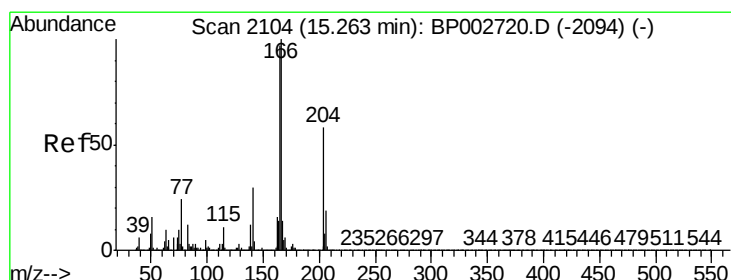
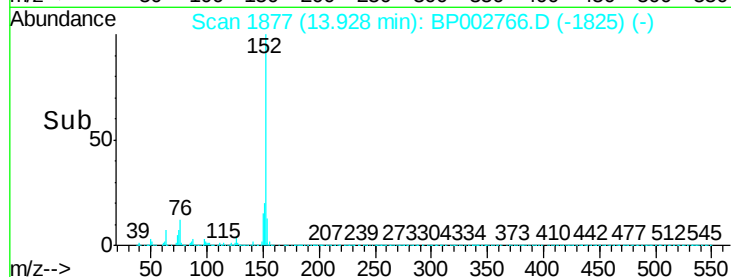
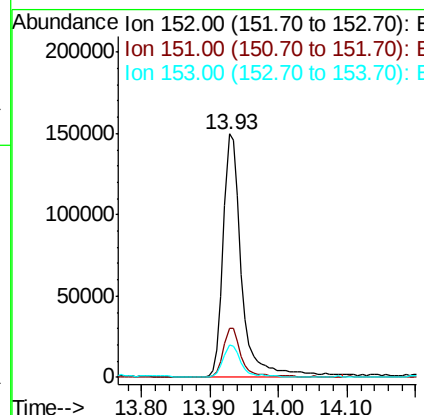
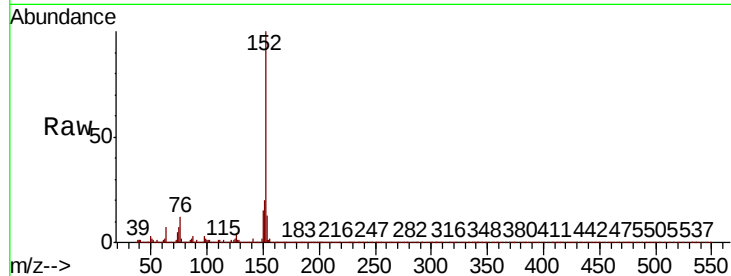
#49
Acenaphthylene
Concen: 7.705 ng
RT: 13.93 min Scan# 1877
Delta R.T. 0.01 min
Lab File: BP002766.D
Acq: 15 Jul 2020 21:53

Instrument :
BNA_P
ClientSampleId :
OK-01-071420

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.4
153	13.4	10.9	16.3

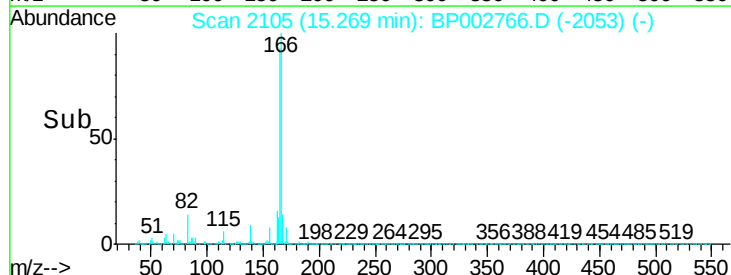
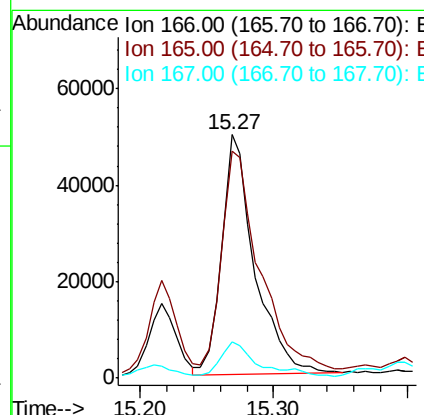
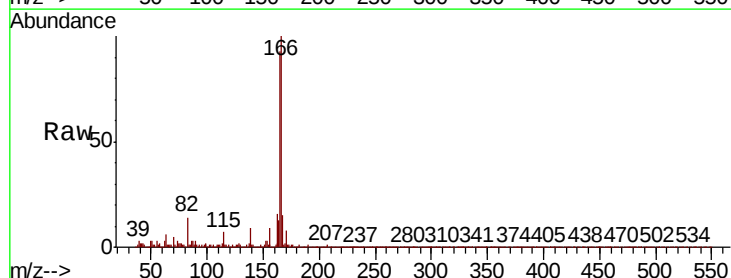
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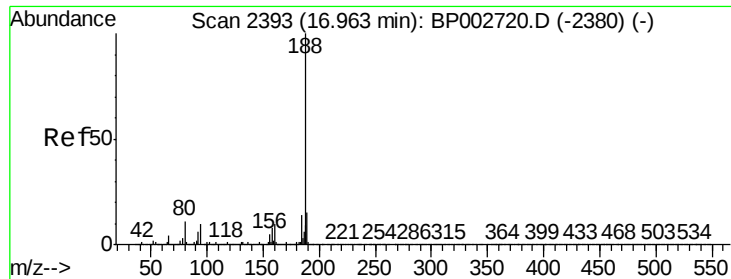
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#58
Fluorene
Concen: 3.334 ng
RT: 15.27 min Scan# 2105
Delta R.T. 0.01 min
Lab File: BP002766.D
Acq: 15 Jul 2020 21:53

Tgt Ion	Ratio	Lower	Upper
166	100		
165	93.1	77.7	116.5
167	14.8	11.0	16.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.97 min Scan# 2395

Delta R.T. 0.01 min

Lab File: BP002766.D

Acq: 15 Jul 2020 21:53

Instrument :

BNA_P

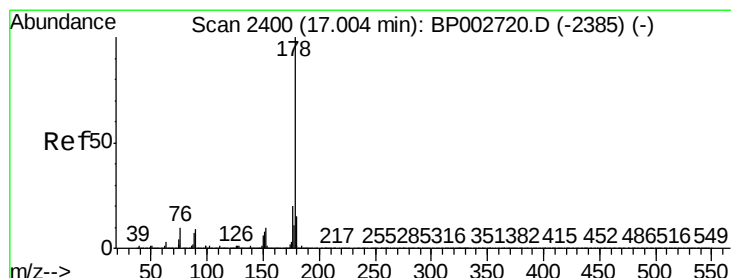
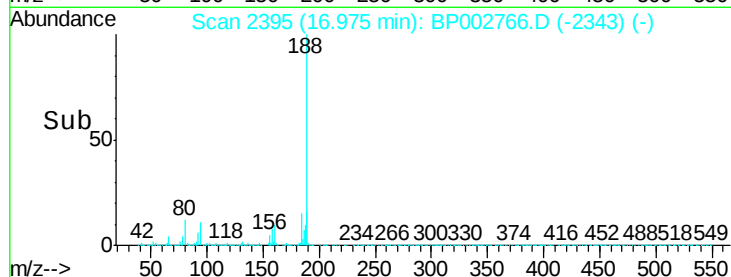
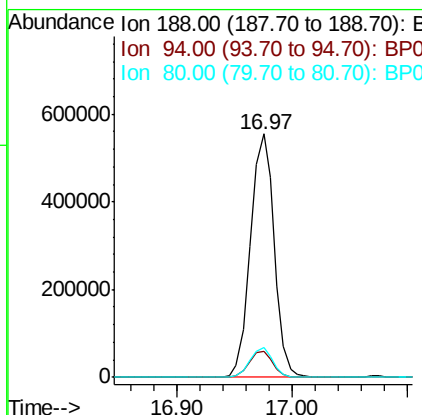
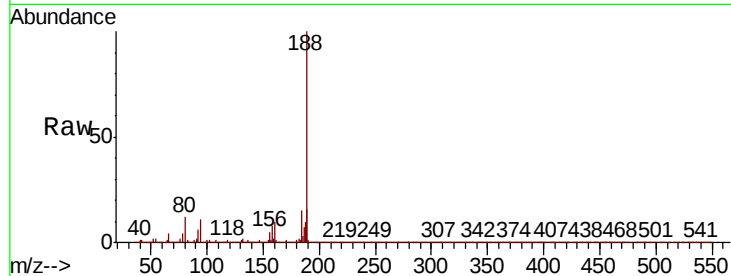
ClientSampleId :

OK-01-071420

Tot Ion:	188	Resp:	795399
Ion Ratio	Lower	Upper	
188	100		
94	10.9	8.1	12.1
80	12.2	8.9	13.3

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#71

Phenanthrene

Concen: 18.208 ng

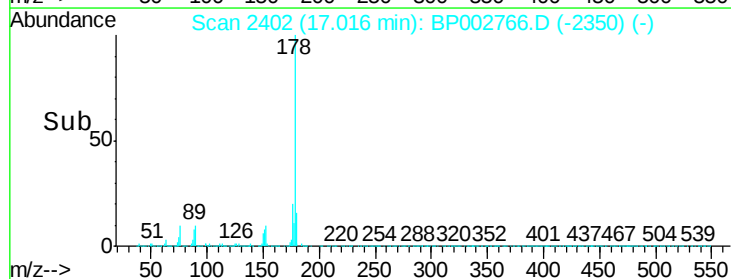
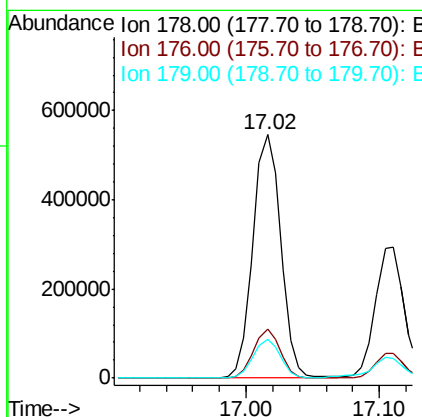
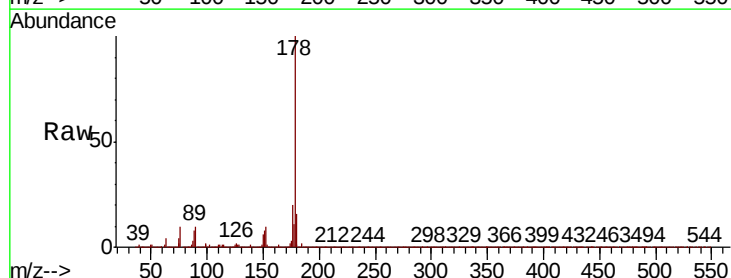
RT: 17.02 min Scan# 2402

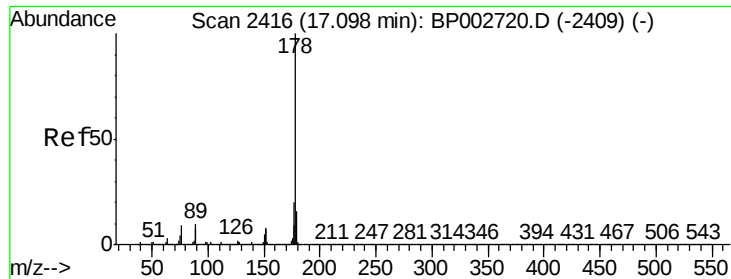
Delta R.T. 0.01 min

Lab File: BP002766.D

Acq: 15 Jul 2020 21:53

Tgt Ion:	178	Resp:	784161
Ion Ratio	Lower	Upper	
178	100		
176	20.0	15.9	23.9
179	16.1	12.3	18.5





#72

Anthracene

Concen: 10.192 ng

RT: 17.11 min Scan# 2418

Delta R.T. 0.01 min

Lab File: BP002766.D

Acq: 15 Jul 2020 21:53

Instrument :

BNA_P

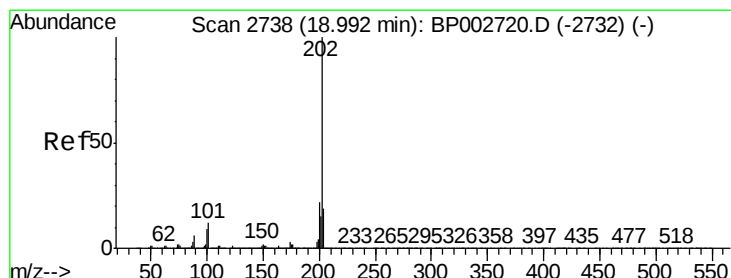
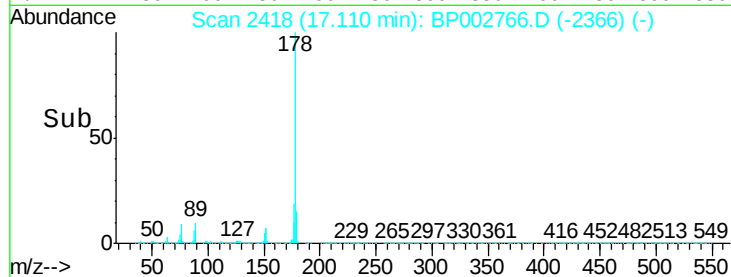
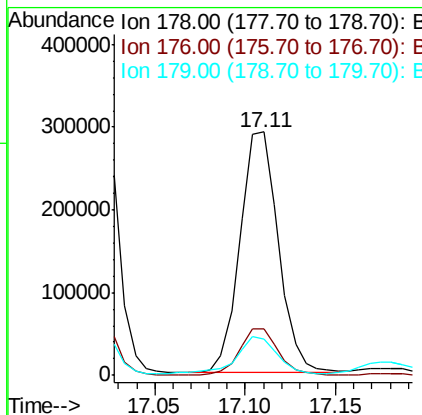
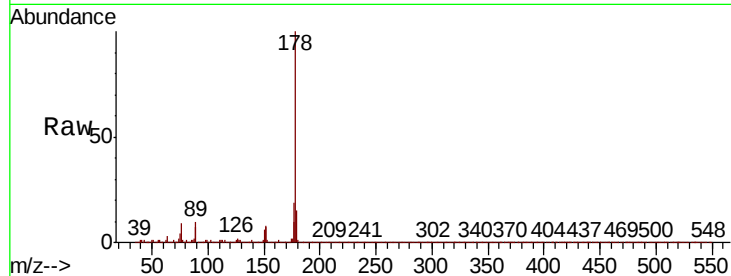
ClientSampleId :

OK-01-071420

Tot Ion:	178	Resp:	430721
Ion Ratio	Lower	Upper	
178	100		
176	19.2	15.6	23.4
179	15.1	12.6	19.0

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#75

Fluoranthene

Concen: 36.565 ng

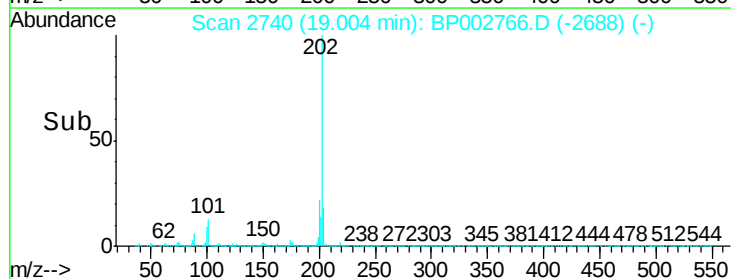
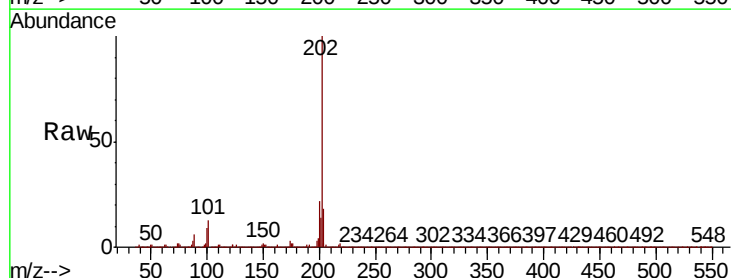
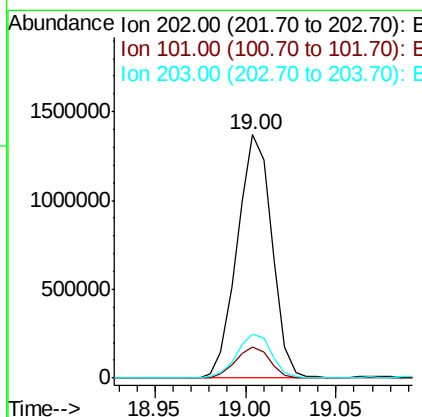
RT: 19.00 min Scan# 2740

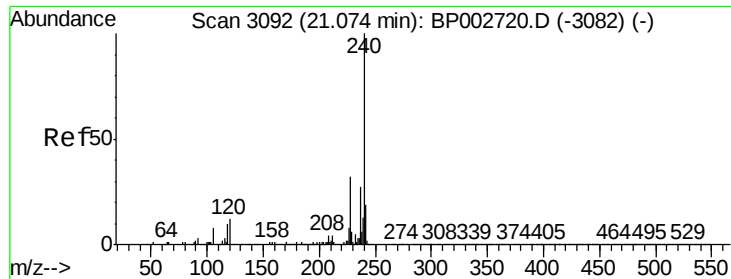
Delta R.T. 0.01 min

Lab File: BP002766.D

Acq: 15 Jul 2020 21:53

Tgt Ion:	202	Resp:	1824642
Ion Ratio	Lower	Upper	
202	100		
101	12.7	0.0	32.5
203	18.1	0.0	38.6





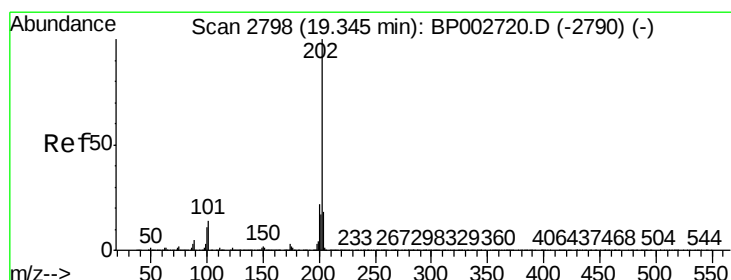
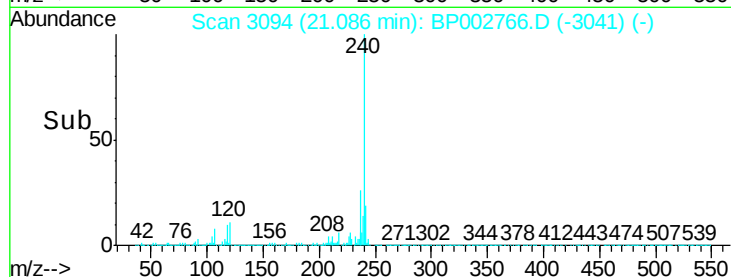
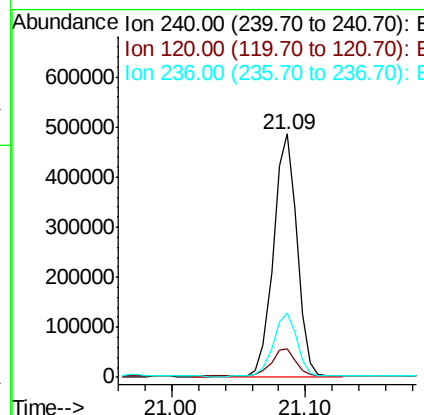
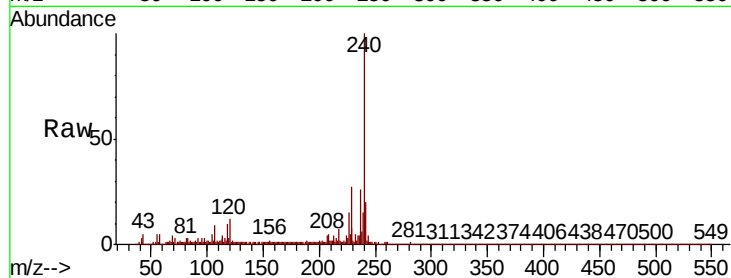
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.09 min Scan# 3094
Delta R.T. 0.01 min
Lab File: BP002766.D
Acq: 15 Jul 2020 21:53

Instrument :
BNA_P
ClientSampleId :
OK-01-071420

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.7	9.4	14.2
236	26.4	21.3	31.9

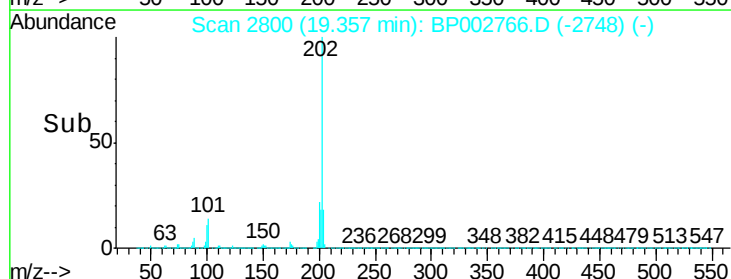
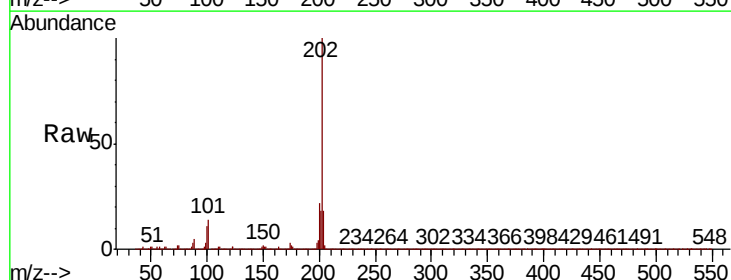
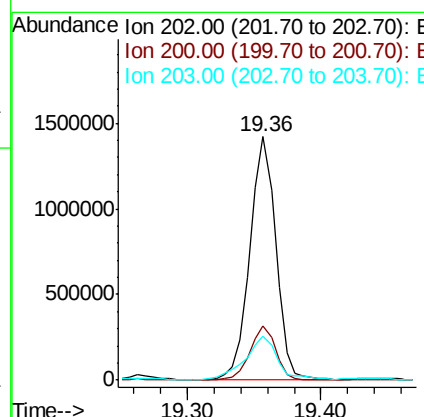
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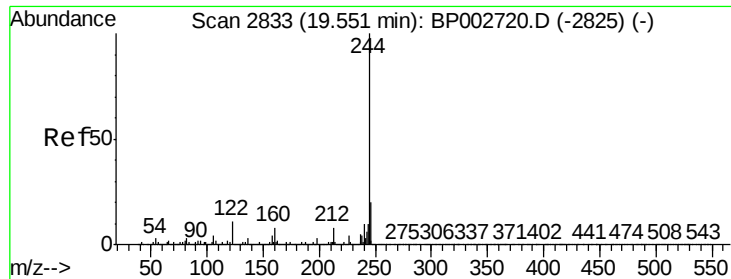
mohammad
7/16/2020 11:07:34 AM



#78
Pyrene
Concen: 46.030 ng
RT: 19.36 min Scan# 2800
Delta R.T. 0.01 min
Lab File: BP002766.D
Acq: 15 Jul 2020 21:53

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.2	17.7	26.5
203	18.2	14.5	21.7





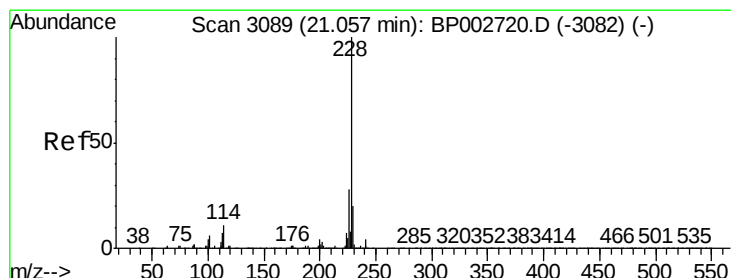
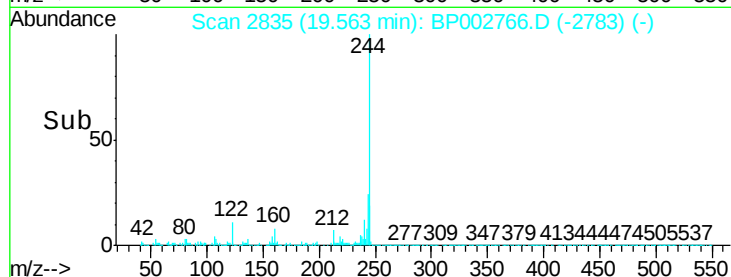
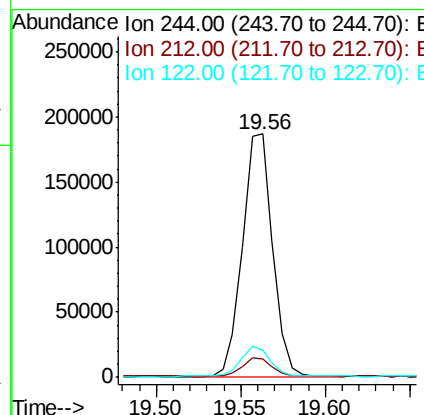
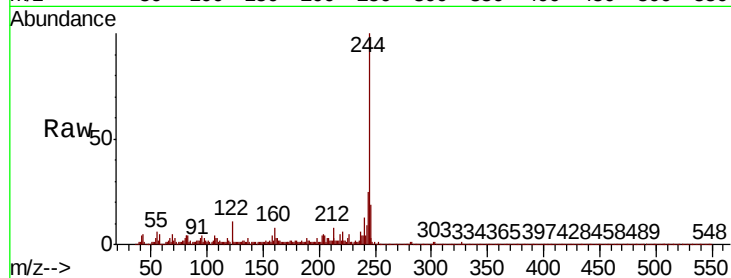
#79
 Terphenyl-d14
 Concen: 8.965 ng
 RT: 19.56 min Scan# 2835
 Delta R.T. 0.01 min
 Lab File: BP002766.D
 Acq: 15 Jul 2020 21:53

Instrument :
 BNA_P
 ClientSampleID :
 OK-01-071420

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.0	9.0
122	11.4	8.9	13.3

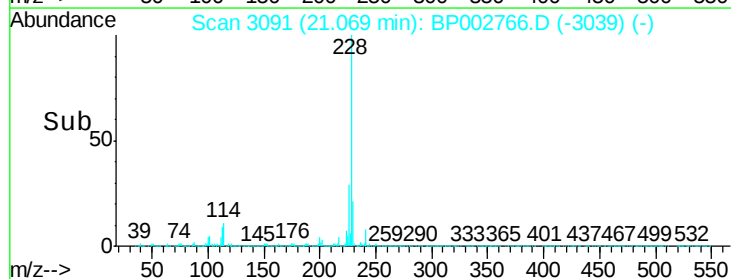
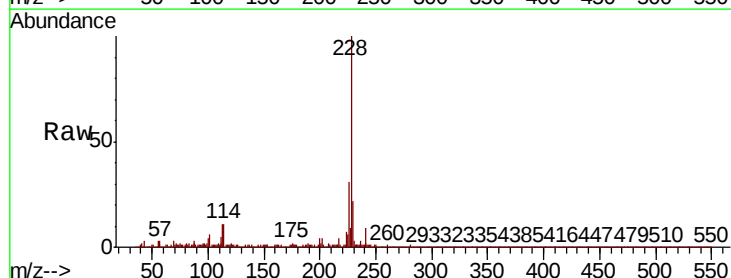
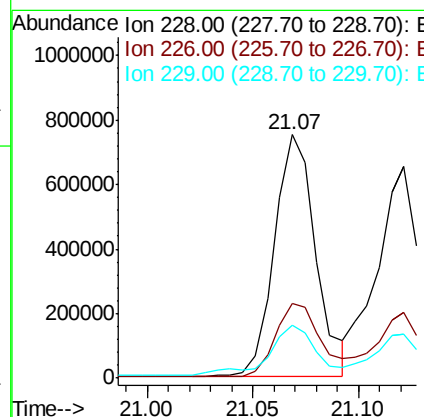
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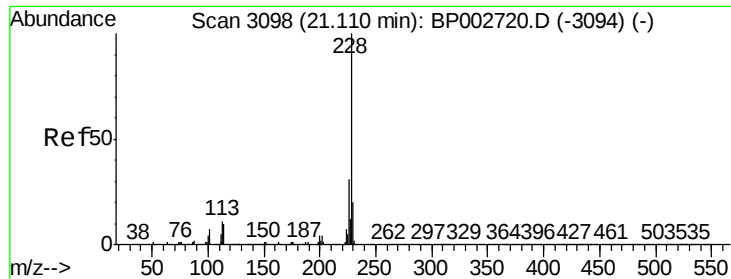
mohammad
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#81
 Benzo(a)anthracene
 Concen: 26.368 ng
 RT: 21.07 min Scan# 3091
 Delta R.T. 0.01 min
 Lab File: BP002766.D
 Acq: 15 Jul 2020 21:53

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	22.6	34.0
229	22.0	16.0	24.0





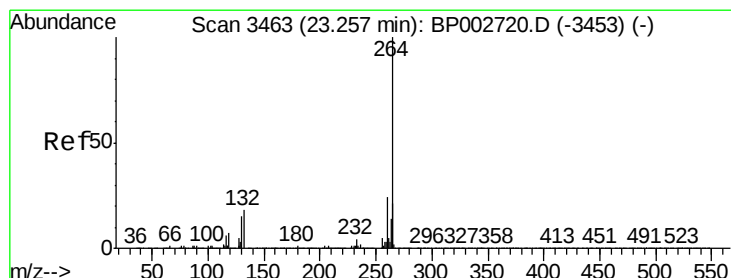
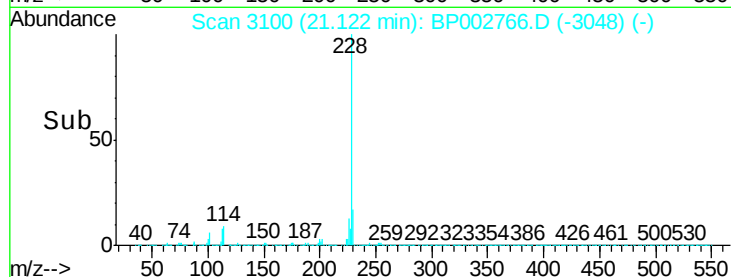
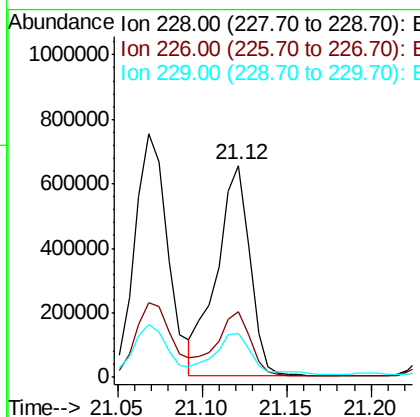
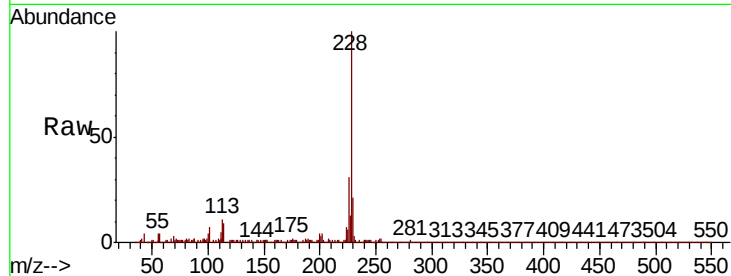
#83
Chrysene
Concen: 24.376 ng
RT: 21.12 min Scan# 3100
Delta R.T. 0.01 min
Lab File: BP002766.D
Acq: 15 Jul 2020 21:53

Instrument :
BNA_P
ClientSampleId :
OK-01-071420

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.6	37.0
229	20.9	15.7	23.5

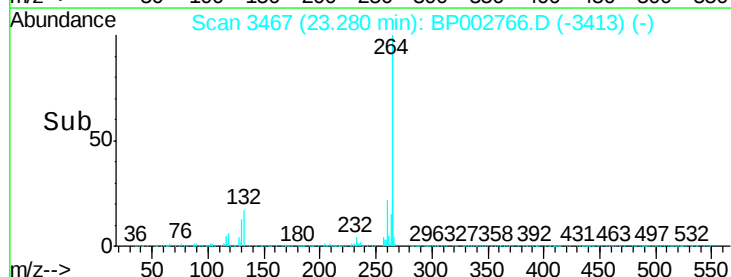
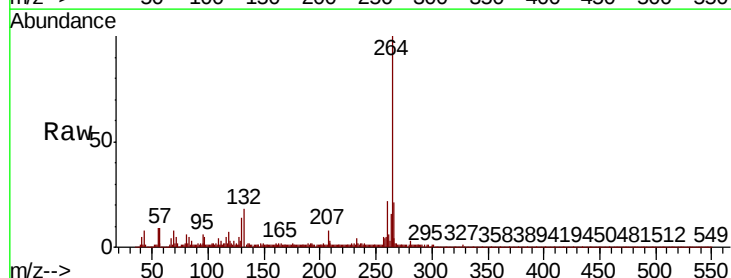
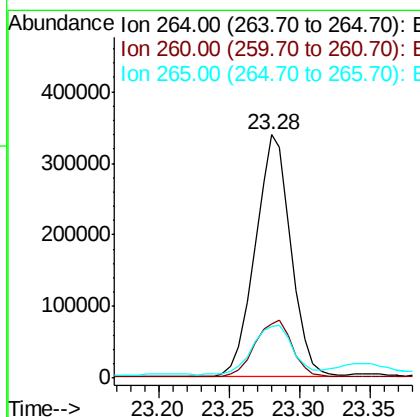
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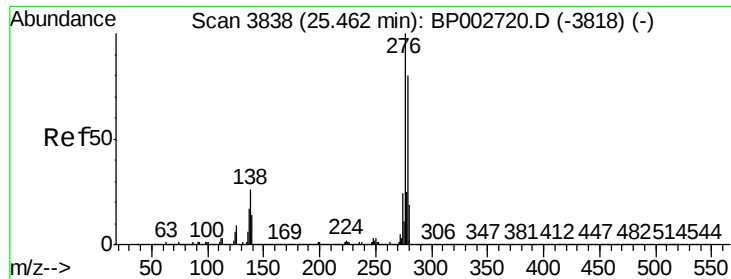
mohammad
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#86
Perylene-d12
Concen: 20.000 ng
RT: 23.28 min Scan# 3467
Delta R.T. 0.02 min
Lab File: BP002766.D
Acq: 15 Jul 2020 21:53

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.5	19.3	28.9
265	21.4	16.8	25.2





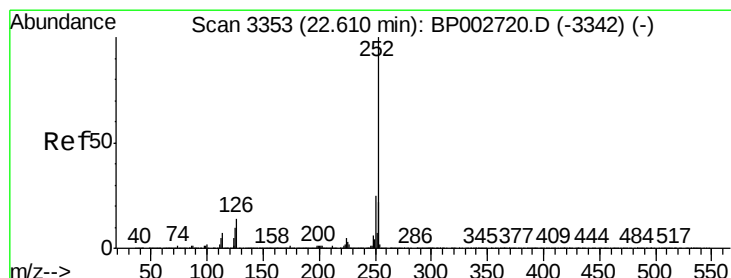
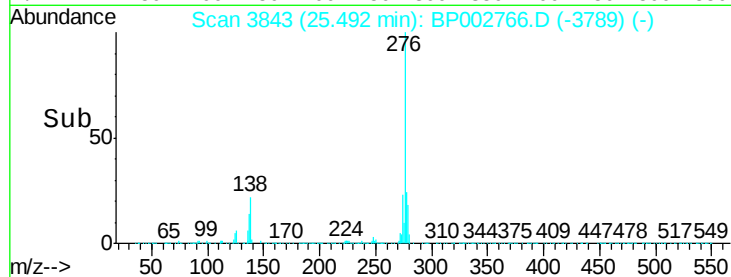
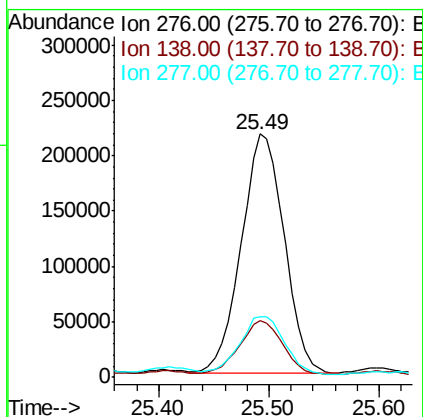
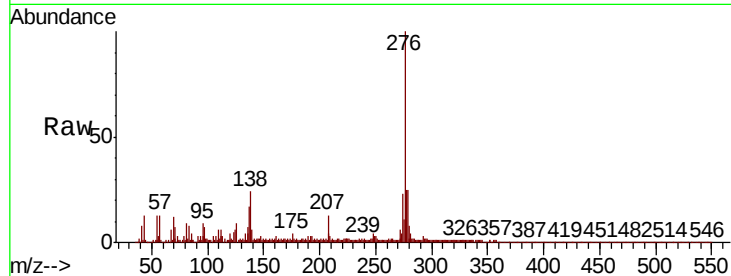
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 13.623 ng
 RT: 25.49 min Scan# 3843
 Delta R.T. 0.02 min
 Lab File: BP002766.D
 Acq: 15 Jul 2020 21:53

Instrument :
 BNA_P
 ClientSampleId :
 OK-01-071420

Tot Ion:	276	Resp:	587132
Ion Ratio	Lower	Upper	
276	100		
138	22.6	20.8	31.2
277	25.4	20.0	30.0

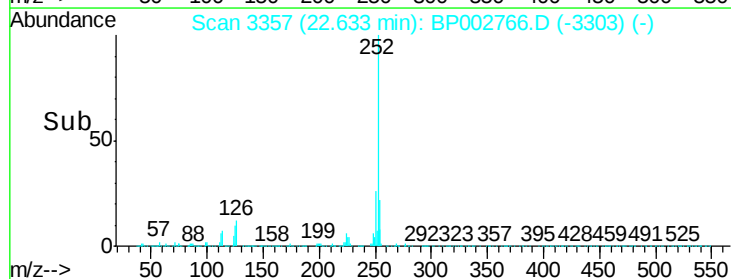
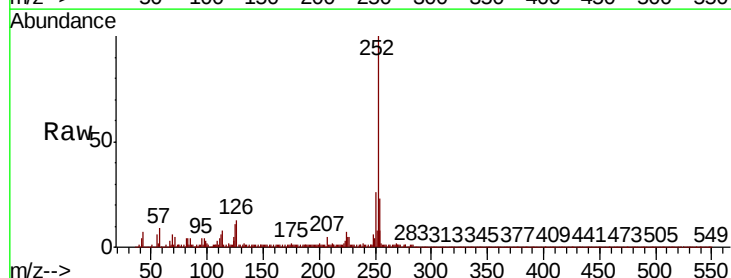
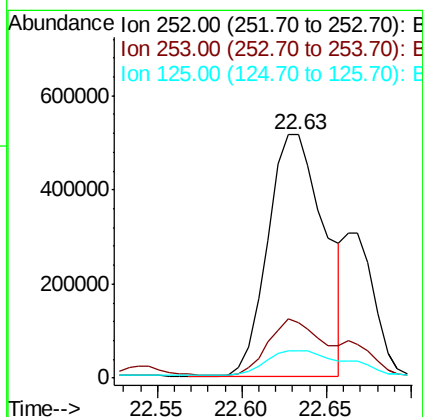
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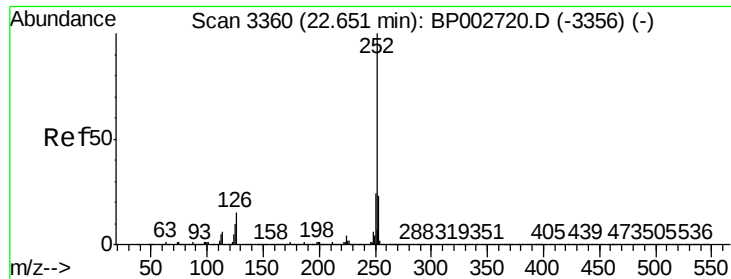
mohammad
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#88
 Benzo(b)fluoranthene
 Concen: 32.376 ng
 RT: 22.63 min Scan# 3357
 Delta R.T. 0.02 min
 Lab File: BP002766.D
 Acq: 15 Jul 2020 21:53

Tgt Ion:	252	Resp:	1198798
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.7	26.5
125	11.1	8.2	12.2





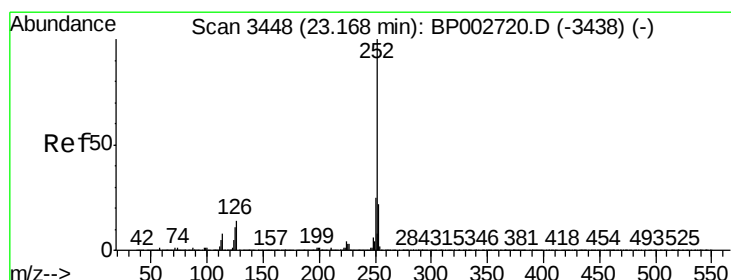
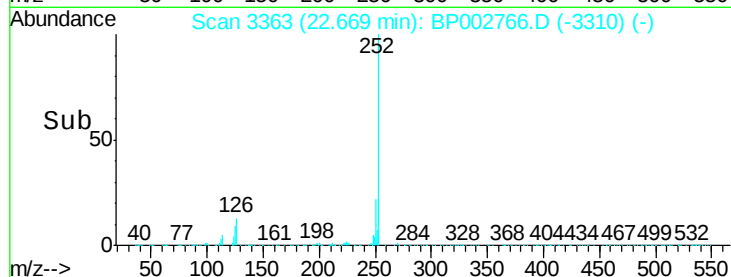
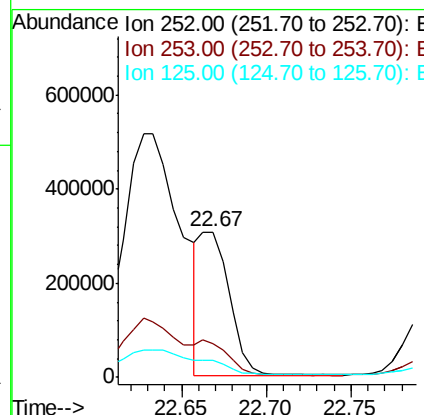
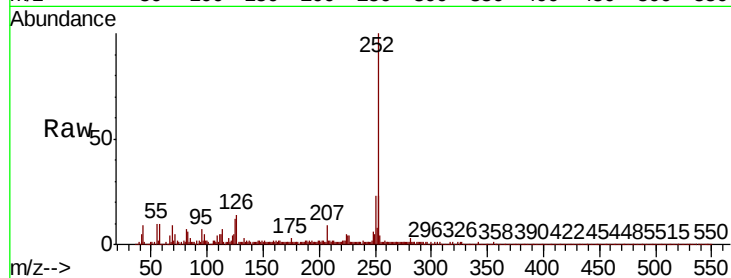
#89
Benzo(k)fluoranthene
Concen: 10.224 ng m
RT: 22.67 min Scan# 3363
Delta R.T. 0.01 min
Lab File: BP002766.D
Acq: 15 Jul 2020 21:53

Instrument :
BNA_P
ClientSampleId :
OK-01-071420

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.8
125	11.6	8.3	12.5

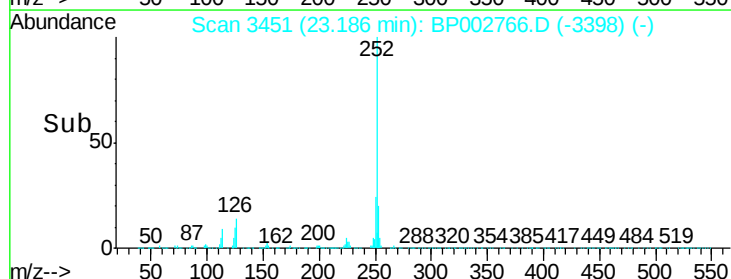
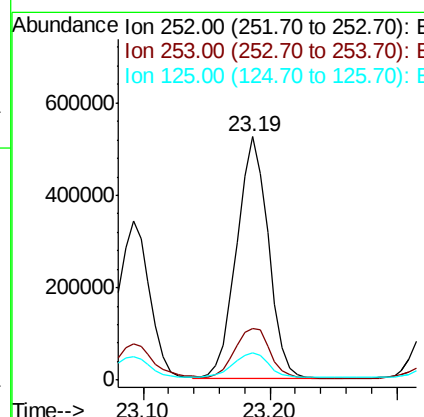
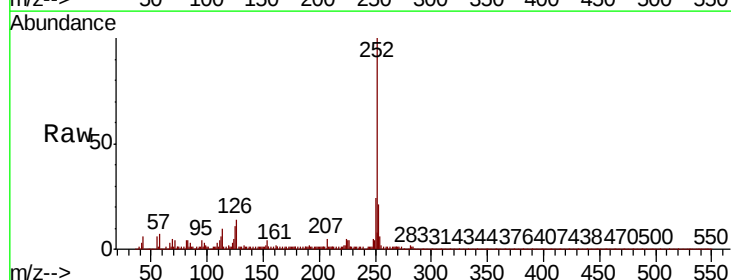
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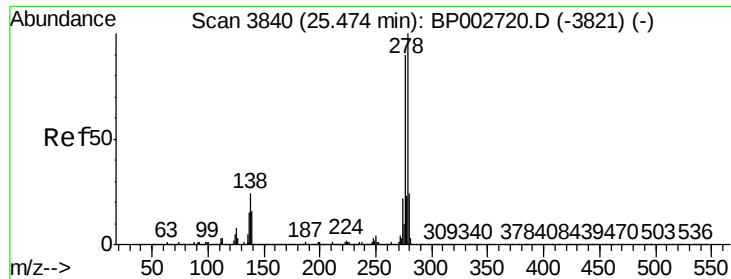
mohammad
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#90
Benzo(a)pyrene
Concen: 25.773 ng
RT: 23.19 min Scan# 3451
Delta R.T. 0.01 min
Lab File: BP002766.D
Acq: 15 Jul 2020 21:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.6	26.4
125	11.5	8.6	13.0





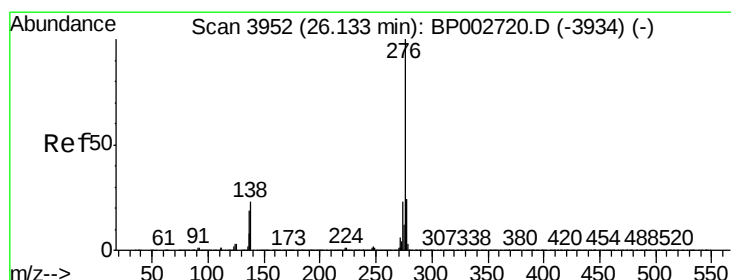
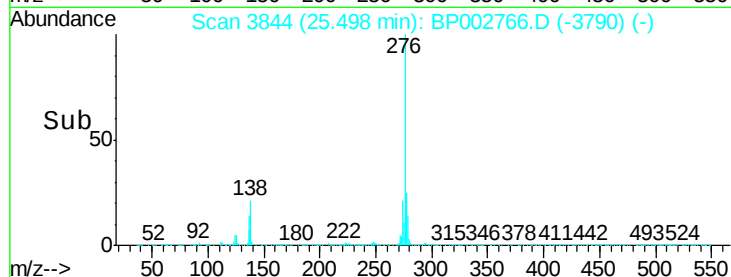
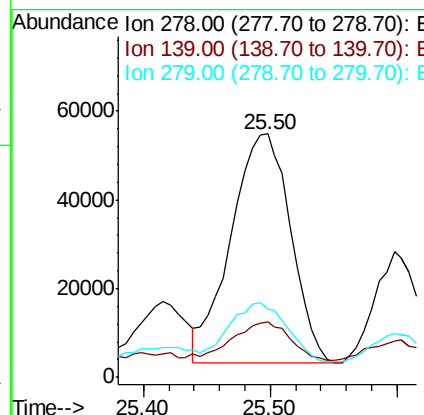
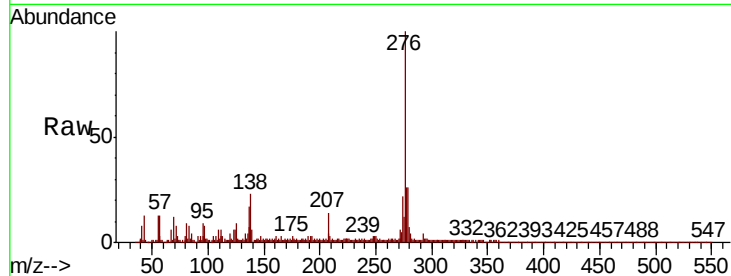
#91
Dibenzo(a,h)anthracene
Concen: 4.860 ng
RT: 25.50 min Scan# 3844
Delta R.T. 0.02 min
Lab File: BP002766.D
Acq: 15 Jul 2020 21:53

Instrument :
BNA_P
ClientSampleId :
OK-01-071420

Tot Ion	Ratio	Lower	Upper
278	100		
139	22.9	13.1	19.7#
279	28.3	19.0	28.6

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 16.043 ng
RT: 26.17 min Scan# 3958
Delta R.T. 0.02 min
Lab File: BP002766.D
Acq: 15 Jul 2020 21:53

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.2	19.1	28.7
138	23.8	18.3	27.5

