

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP070820\
 Data File : BP002685.D
 Acq On : 08 Jul 2020 20:51
 Operator : CG/JU
 Sample : L3183-01 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OK-02-070720

Manual Integrations
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mohammad
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Quant Time: Jul 09 01:44:39 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP062920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 29 16:51:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	178553	20.00	ng	0.00
21) Naphthalene-d8	10.34	136	802195	20.00	ng	0.00
39) Acenaphthene-d10	14.22	164	537220	20.00	ng	0.00
64) Phenanthrene-d10	16.98	188	1287359	20.00	ng	0.00
76) Chrysene-d12	21.09	240	943209	20.00	ng	0.00
86) Perylene-d12	23.29	264	872266	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	319755	30.32	ng	0.00
7) Phenol-d6	6.77	99	489850	33.28	ng	0.00
23) Nitrobenzene-d5	8.71	82	297233	19.09	ng	-0.01
42) 2,4,6-Tribromophenol	15.72	330	200486	30.68	ng	0.00
45) 2-Fluorobiphenyl	12.83	172	745132	20.41	ng	0.00
79) Terphenyl-d14	19.57	244	1278001	29.25	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	13.93	152	636756	12.231	ng	99
50) Dimethylphthalate	13.68	163	125382	2.972	ng	100
58) Fluorene	15.27	166	151745	4.003	ng	99
71) Phenanthrene	17.02	178	1722753	24.872	ng	99
72) Anthracene	17.11	178	879266	12.757	ng	99
73) Carbazole	17.39	167	135379	2.032	ng	98
75) Fluoranthene	19.01	202	4281005	51.061	ng	97
78) Pyrene	19.36	202	4348056	67.725	ng	97
81) Benzo(a)anthracene	21.08	228	2536696	41.137	ng	94
83) Chrysene	21.13	228	2392525	40.462	ng	96
87) Indeno(1,2,3-cd)pyrene	25.52	276	1474817	23.483	ng	100
88) Benzo(b)fluoranthene	22.64	252	3000353m	53.906	ng	
89) Benzo(k)fluoranthene	22.68	252	939877m	18.101	ng	
90) Benzo(a)pyrene	23.20	252	2120503	41.517	ng	98
91) Dibenzo(a,h)anthracene	25.52	278	412389	8.036	ng	# 82
92) Benzo(g,h,i)perylene	26.19	276	1438806	28.033	ng	98

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

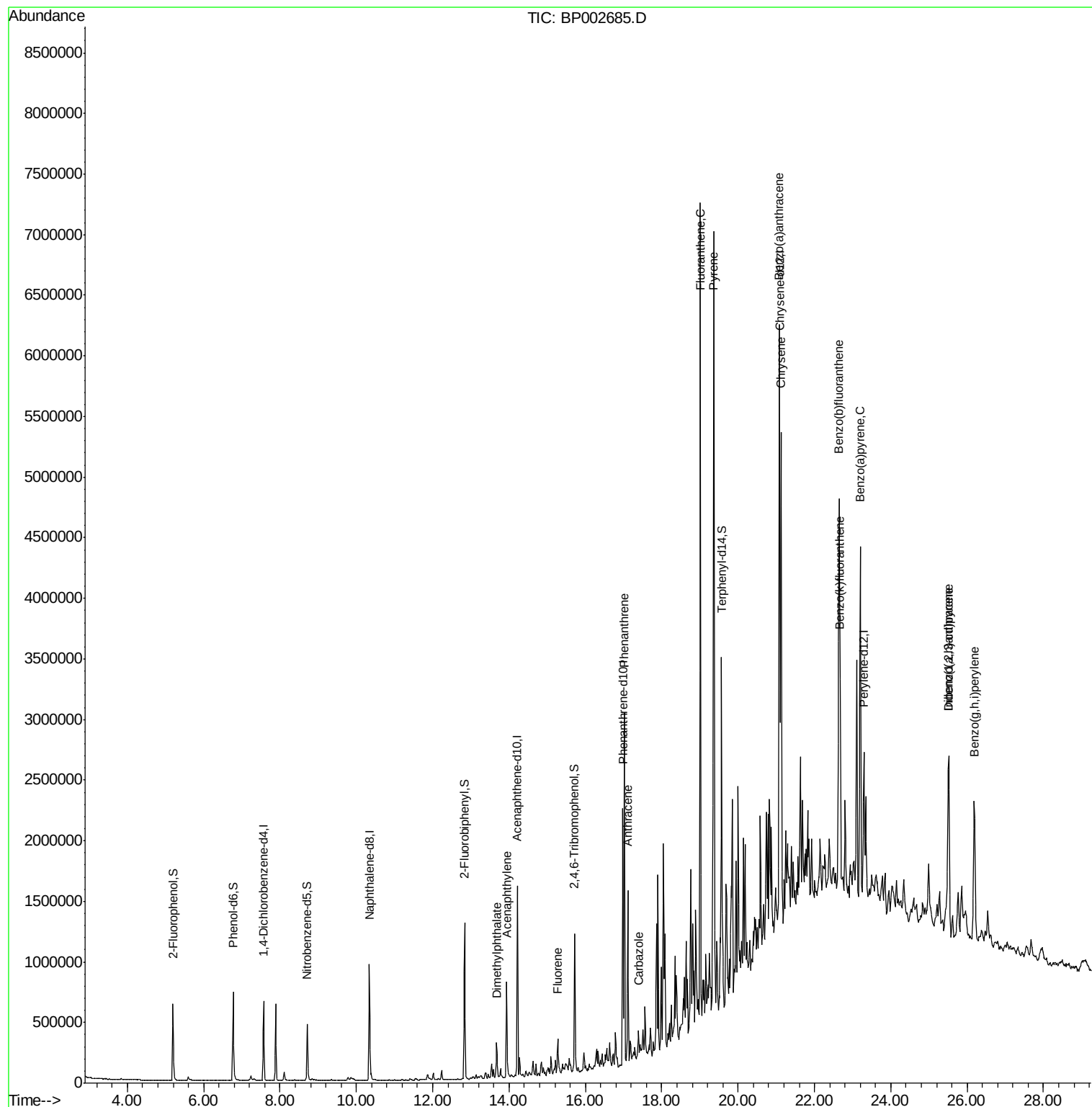
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP070820\
Data File : BP002685.D
Acq On : 08 Jul 2020 20:51
Operator : CG/JU
Sample : L3183-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

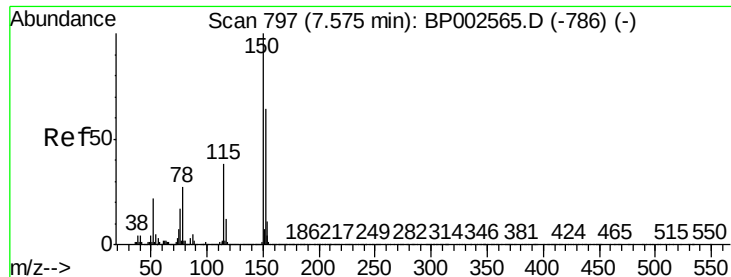
Instrument :
BNA_P
ClientSampleId :
OK-02-070720

Quant Time: Jul 09 01:44:39 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP062920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 29 16:51:57 2020
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#1

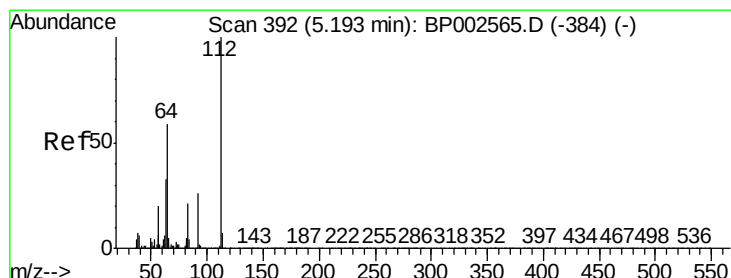
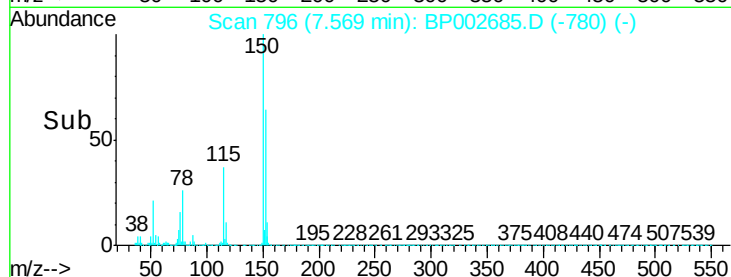
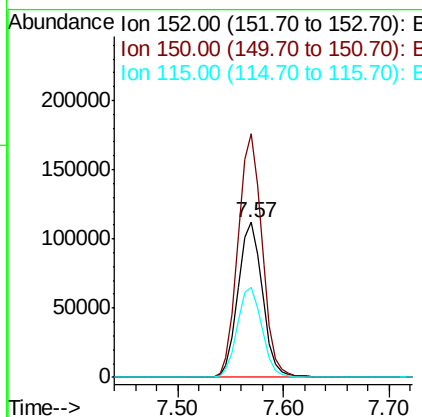
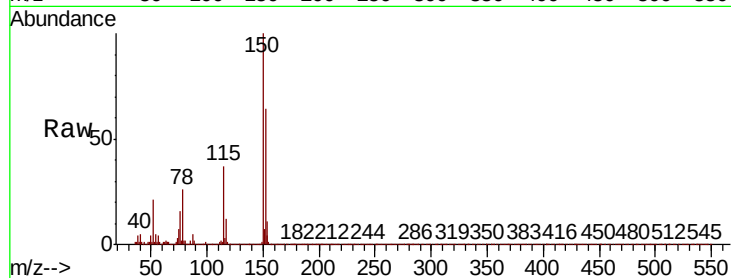
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.57 min Scan# 796
Delta R.T. -0.01 min
Lab File: BP002685.D
Acq: 08 Jul 2020 20:51

Instrument :
BNA_P
ClientSampleId :
OK-02-070720

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.0	124.2	186.2
115	57.9	47.1	70.7

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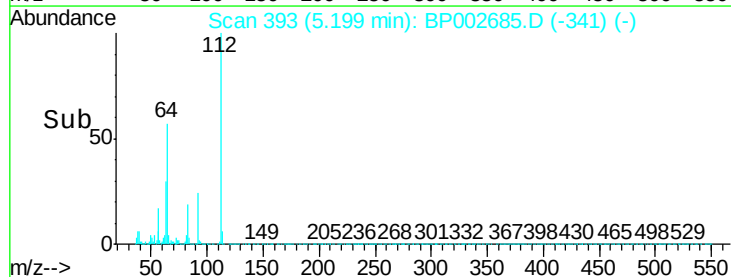
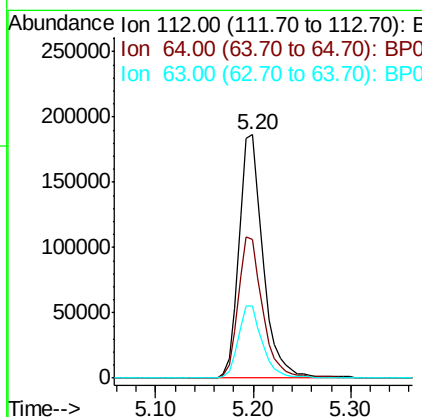
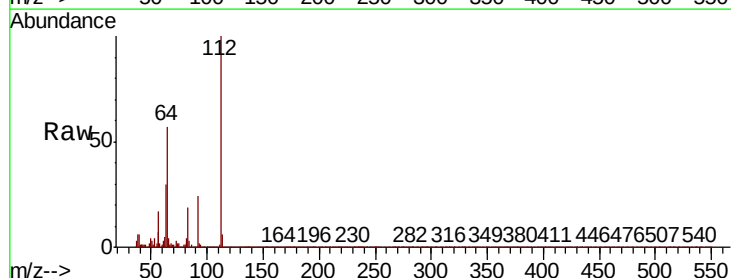
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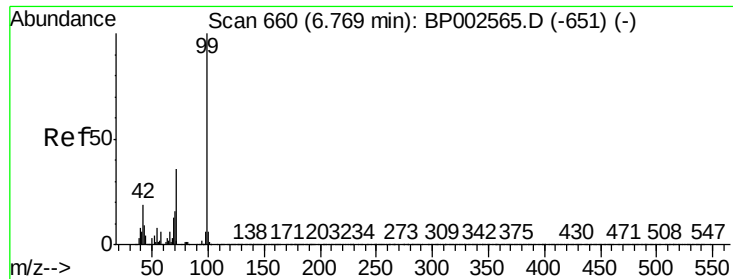


#5

2-Fluorophenol
Concen: 30.320 ng
RT: 5.20 min Scan# 393
Delta R.T. 0.01 min
Lab File: BP002685.D
Acq: 08 Jul 2020 20:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.0	47.0	70.6
63	29.7	26.1	39.1





#7

Phenol-d6

Concen: 33.279 ng

RT: 6.77 min Scan# 660

Delta R.T. -0.00 min

Lab File: BP002685.D

Acq: 08 Jul 2020 20:51

Instrument :

BNA_P

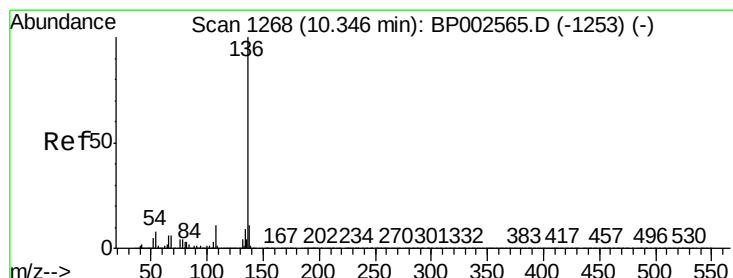
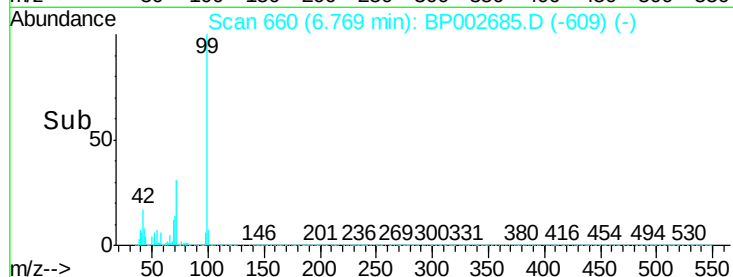
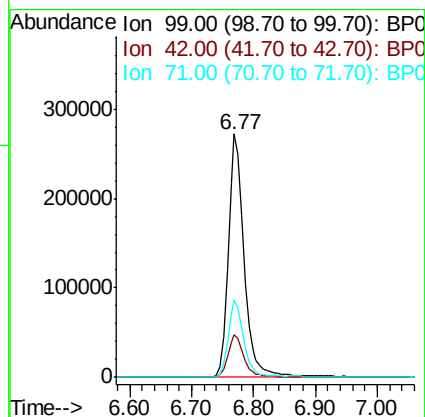
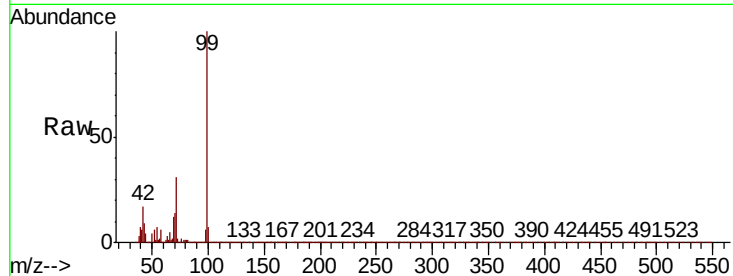
ClientSampleId :

OK-02-070720

Tot Ion:	99	Resp:	489850
Ion Ratio	Lower	Upper	
99	100		
42	17.4	15.5	23.3
71	31.5	28.9	43.3

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#21

Naphthalene-d8

Concen: 20.000 ng

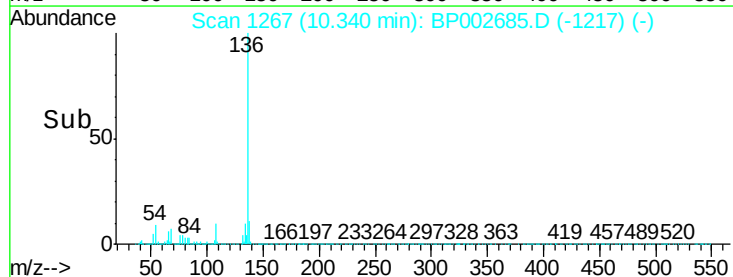
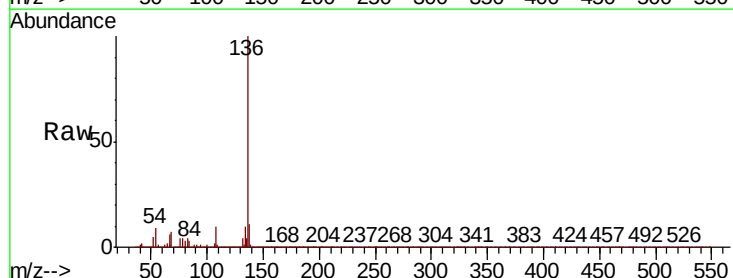
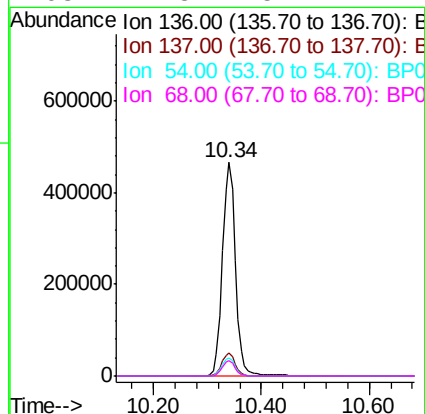
RT: 10.34 min Scan# 1267

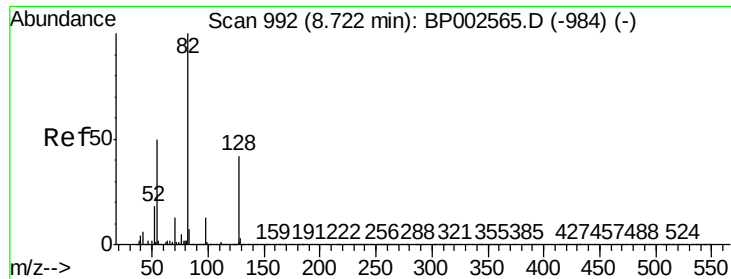
Delta R.T. -0.01 min

Lab File: BP002685.D

Acq: 08 Jul 2020 20:51

Tgt Ion:	136	Resp:	802195
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.8	13.2
54	8.6	6.4	9.6
68	7.3	5.1	7.7





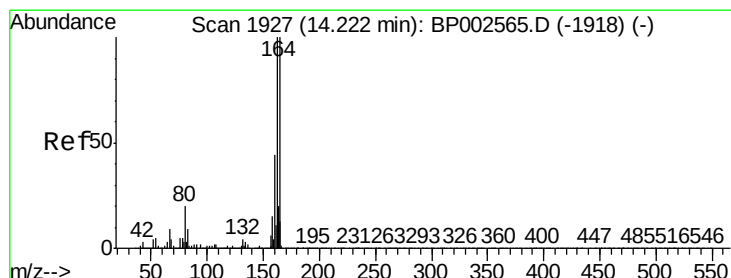
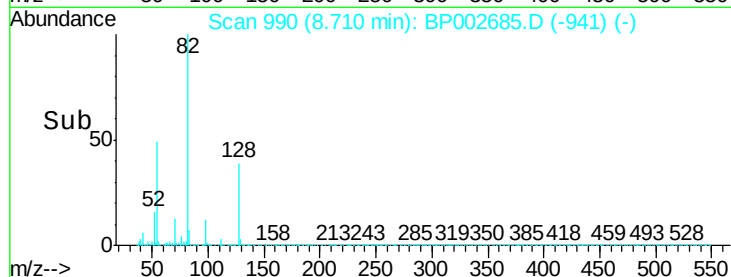
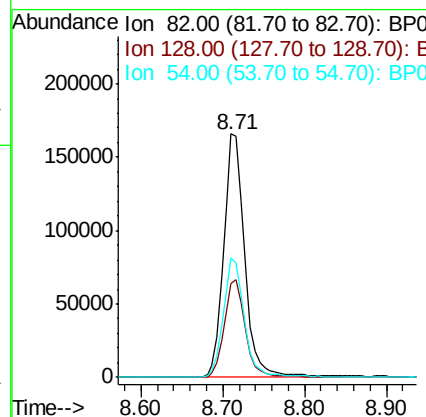
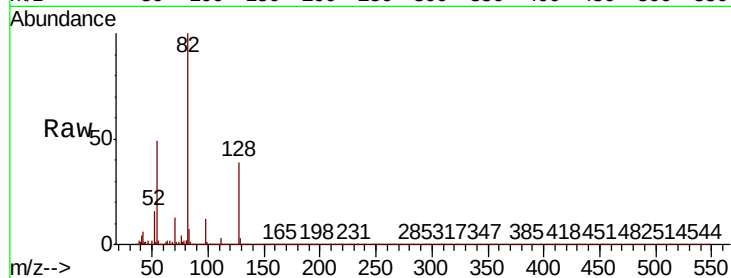
#23
Nitrobenzene-d5
Concen: 19.091 ng
RT: 8.71 min Scan# 990
Delta R.T. -0.01 min
Lab File: BP002685.D
Acq: 08 Jul 2020 20:51

Instrument :
BNA_P
ClientSampleId :
OK-02-070720

Tot Ion	82	Resp	297233
Ion Ratio	Lower	Upper	
82	100		
128	38.8	33.4	50.2
54	49.2	40.1	60.1

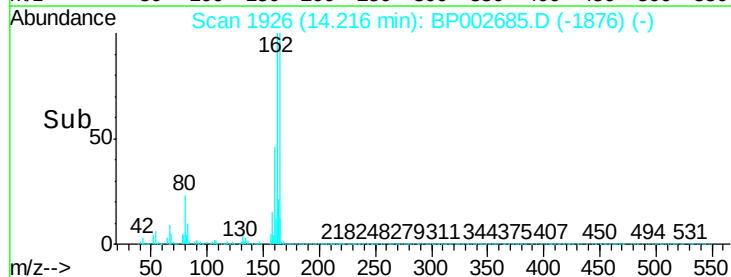
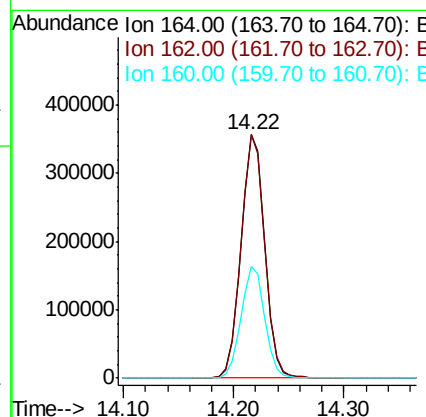
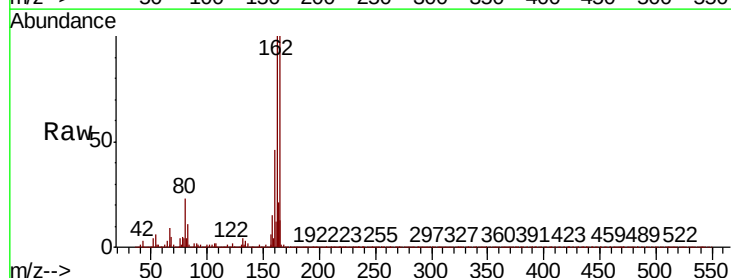
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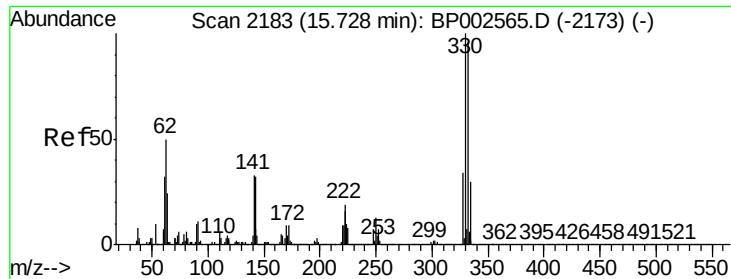
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.22 min Scan# 1926
Delta R.T. -0.01 min
Lab File: BP002685.D
Acq: 08 Jul 2020 20:51

Tgt Ion	164	Resp	537220
Ion Ratio	Lower	Upper	
164	100		
162	100.0	80.3	120.5
160	46.2	35.0	52.6





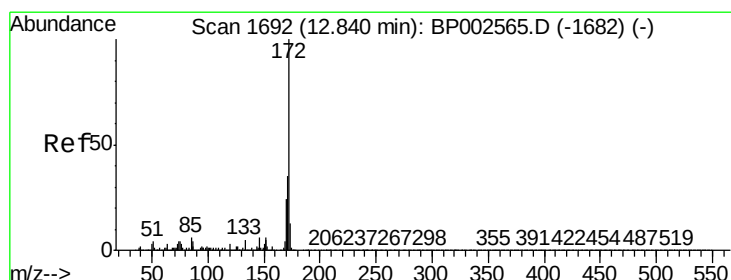
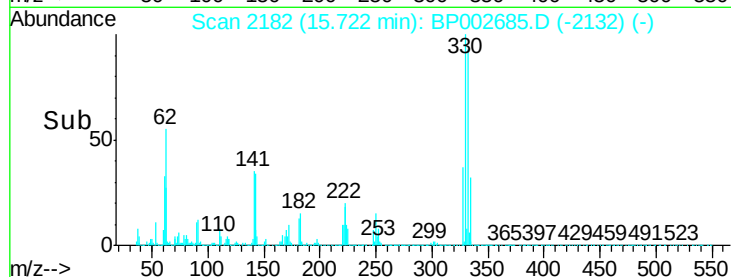
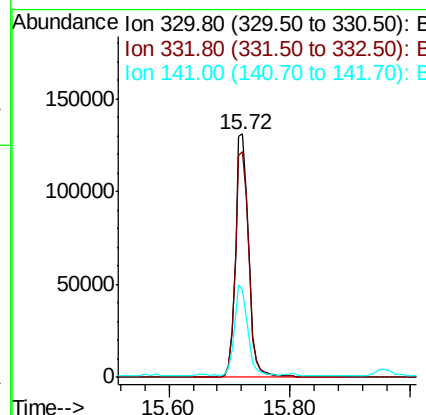
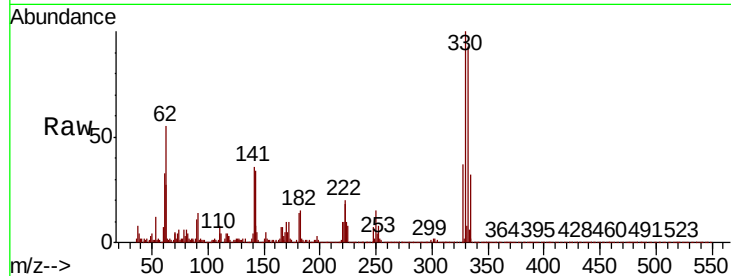
#42
 2,4,6-Tribromophenol
 Concen: 30.683 ng
 RT: 15.72 min Scan# 2182
 Delta R.T. -0.01 min
 Lab File: BP002685.D
 Acq: 08 Jul 2020 20:51

Instrument :
 BNA_P
 ClientSampleId :
 OK-02-070720

Tot Ion	Ratio	Resp	Lower	Upper
330	100	200486		
332	95.4	77.7	116.5	
141	37.5	29.0	43.6	

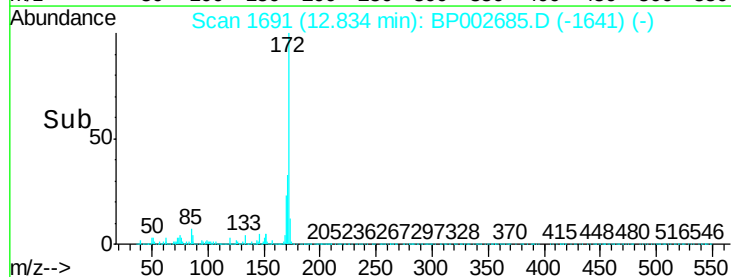
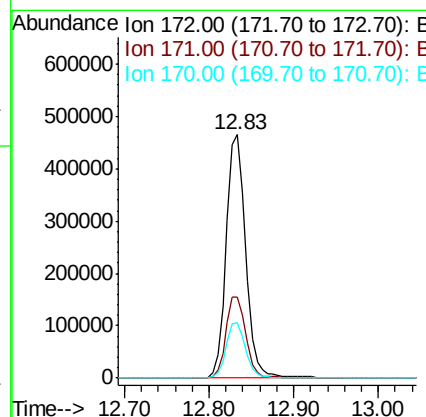
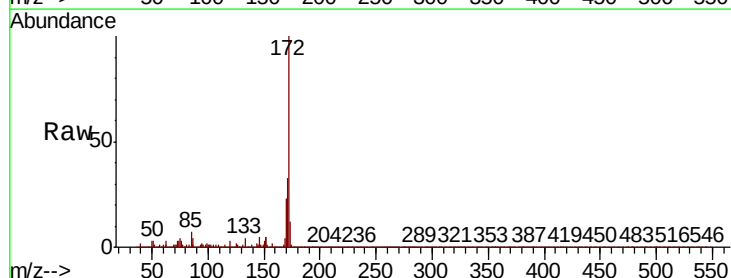
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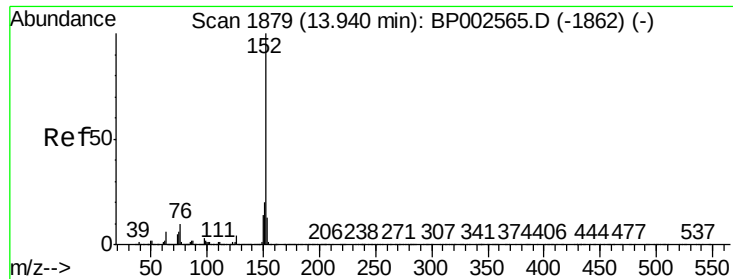
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#45
 2-Fluorobiphenyl
 Concen: 20.415 ng
 RT: 12.83 min Scan# 1691
 Delta R.T. -0.01 min
 Lab File: BP002685.D
 Acq: 08 Jul 2020 20:51

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	745132		
171	33.2	28.0	42.0	
170	23.0	19.0	28.4	





#49

Acenaphthylene

Concen: 12.231 ng

RT: 13.93 min Scan# 1878

Delta R.T. -0.01 min

Lab File: BP002685.D

Acq: 08 Jul 2020 20:51

Instrument :

BNA_P

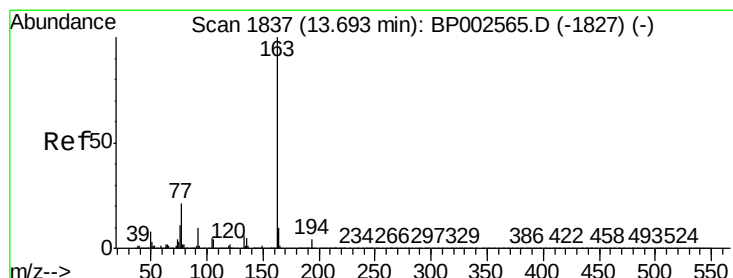
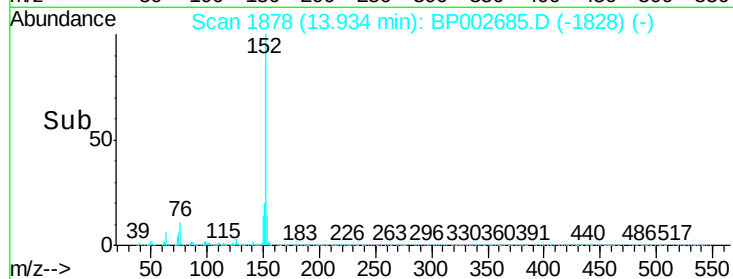
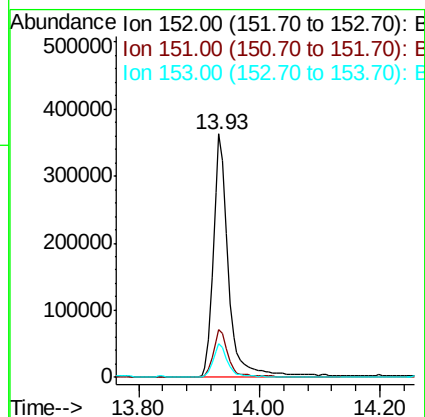
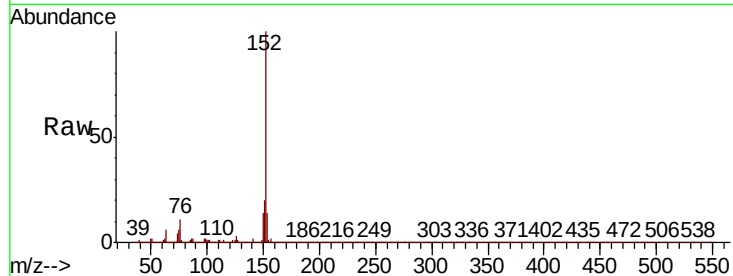
ClientSampleId :

OK-02-070720

Tot Ion:	152	Resp:	636756
Ion Ratio	Lower	Upper	
152	100		
151	19.8	15.7	23.5
153	13.6	10.2	15.2

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#50

Dimethylphthalate

Concen: 2.972 ng

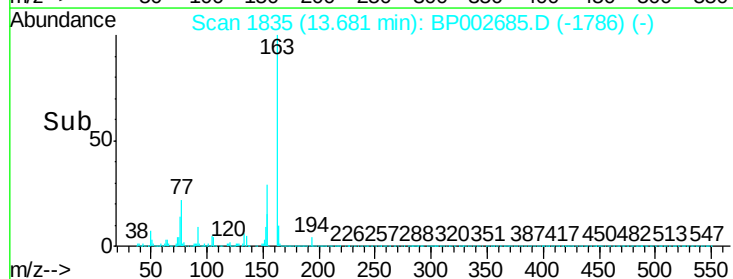
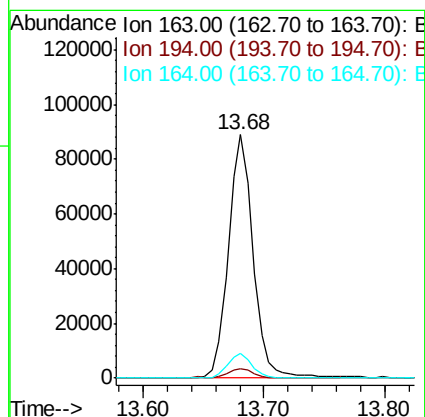
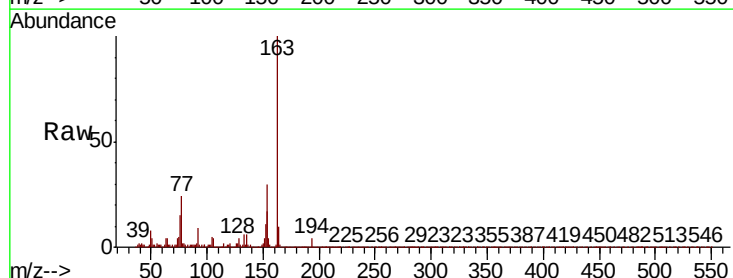
RT: 13.68 min Scan# 1835

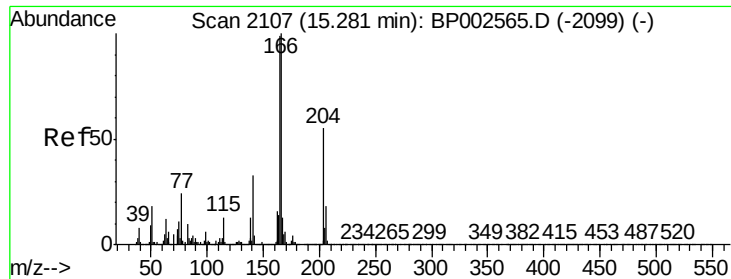
Delta R.T. -0.01 min

Lab File: BP002685.D

Acq: 08 Jul 2020 20:51

Tgt Ion:	163	Resp:	125382
Ion Ratio	Lower	Upper	
163	100		
194	3.8	3.4	5.0
164	10.3	8.2	12.4





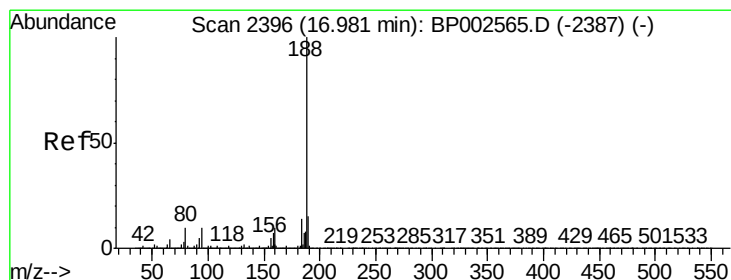
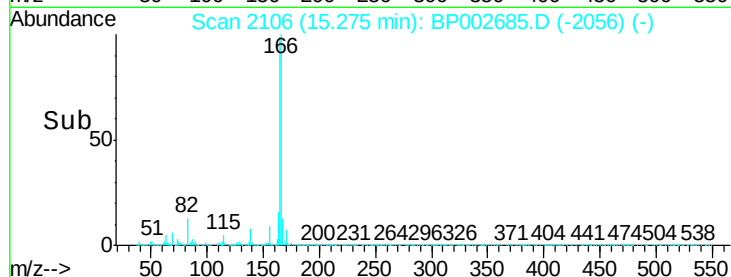
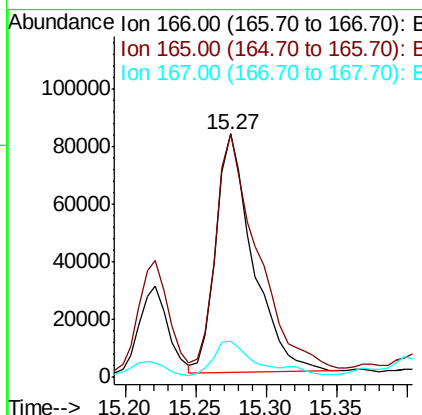
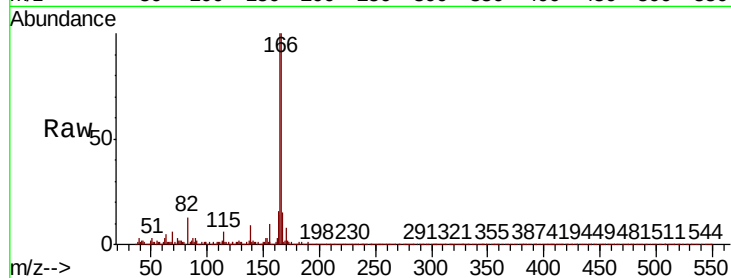
#58
 Fluorene
 Concen: 4.003 ng
 RT: 15.27 min Scan# 2106
 Delta R.T. -0.01 min
 Lab File: BP002685.D
 Acq: 08 Jul 2020 20:51

Instrument :
 BNA_P
 ClientSampled :
 OK-02-070720

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		151745		
165	99.8	79.1	118.7		
167	15.0	10.8	16.2		

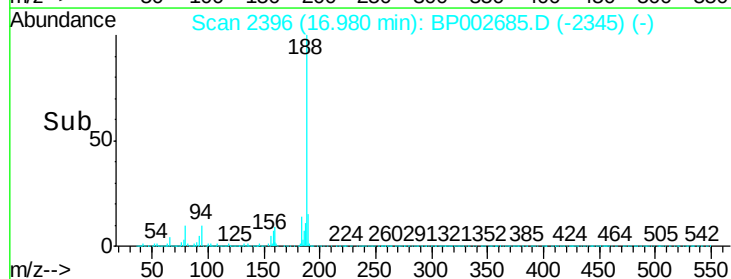
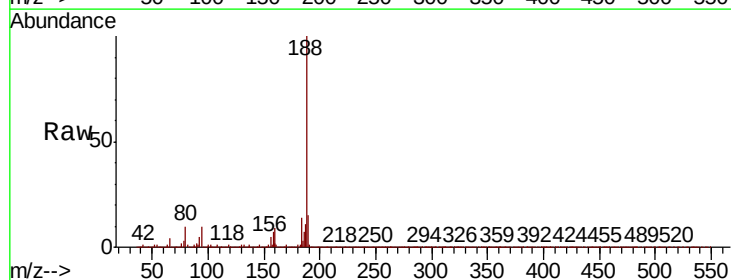
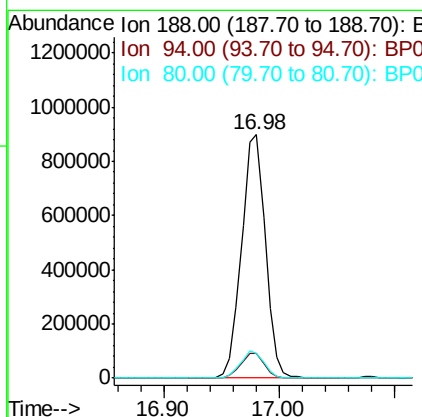
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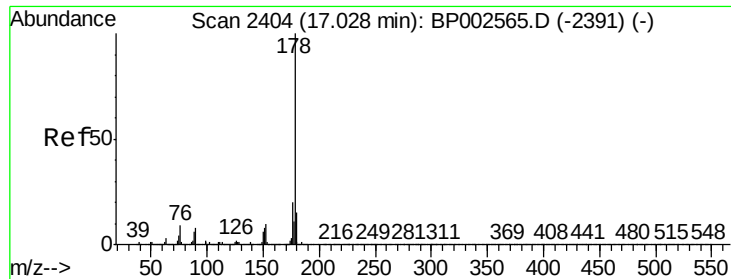
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 16.98 min Scan# 2396
 Delta R.T. -0.00 min
 Lab File: BP002685.D
 Acq: 08 Jul 2020 20:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		1287359		
94	10.1	7.8	11.6		
80	10.4	8.2	12.4		





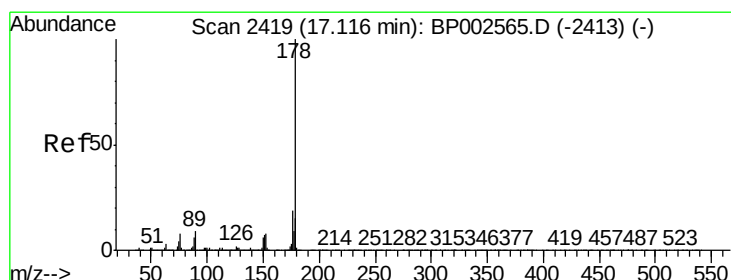
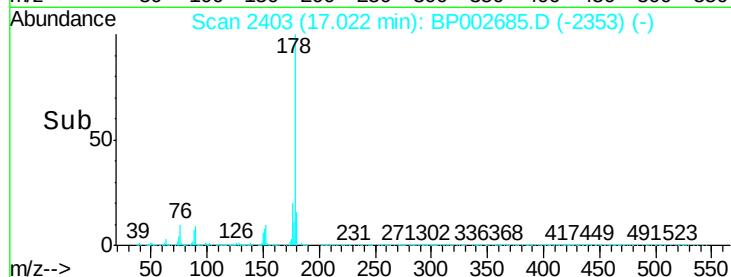
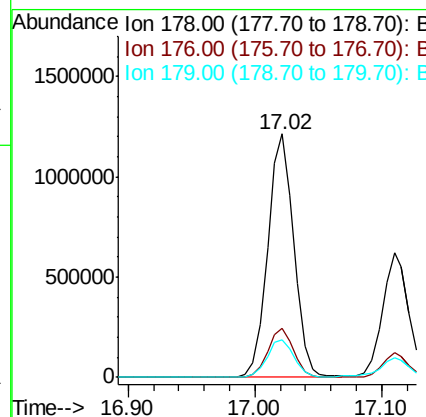
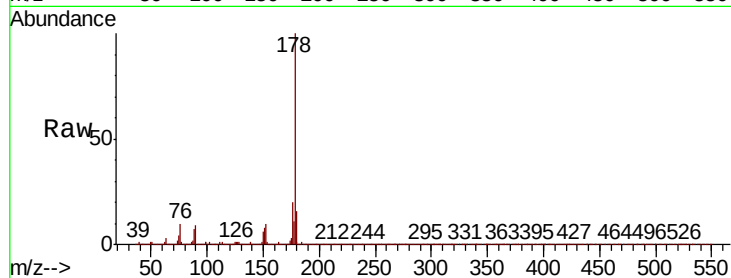
#71
Phenanthrene
Concen: 24.872 ng
RT: 17.02 min Scan# 2403
Delta R.T. -0.01 min
Lab File: BP002685.D
Acq: 08 Jul 2020 20:51

Instrument :
BNA_P
ClientSampleId :
OK-02-070720

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.6	23.4
179	15.6	12.1	18.1

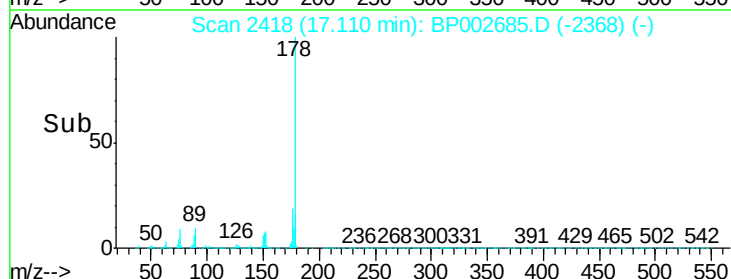
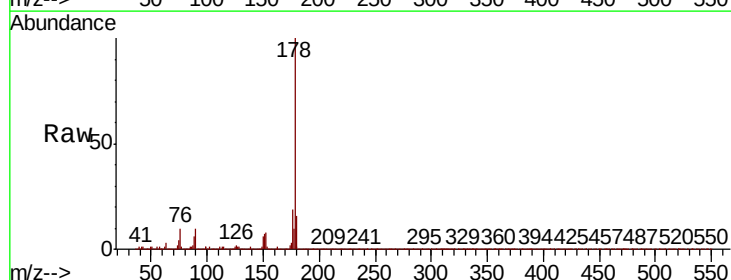
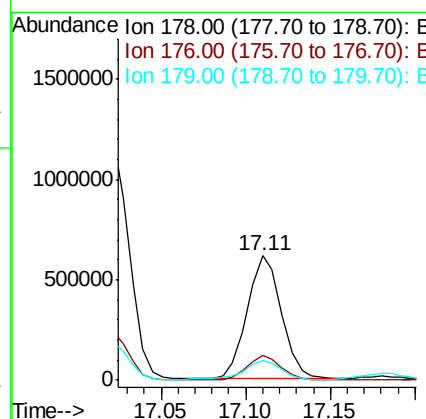
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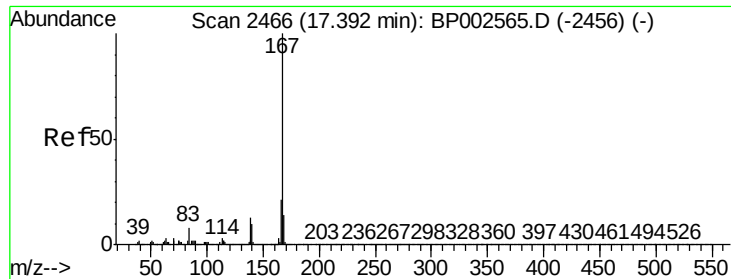
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#72
Anthracene
Concen: 12.757 ng
RT: 17.11 min Scan# 2418
Delta R.T. -0.01 min
Lab File: BP002685.D
Acq: 08 Jul 2020 20:51

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.0	22.4
179	15.7	12.2	18.2





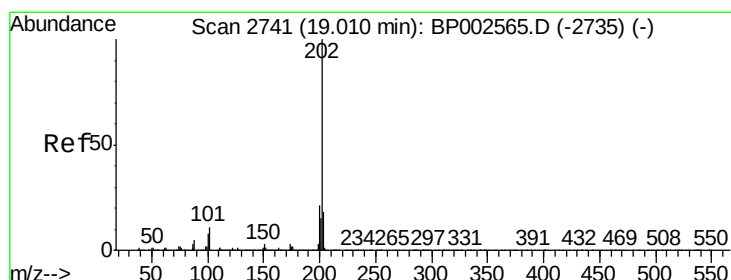
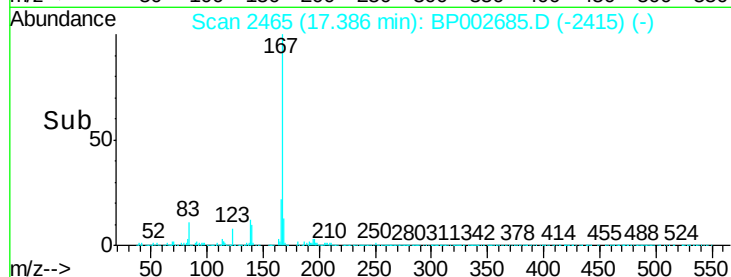
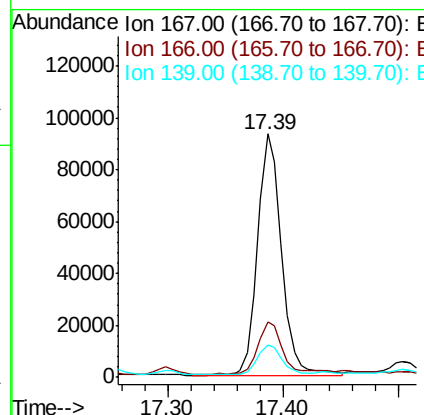
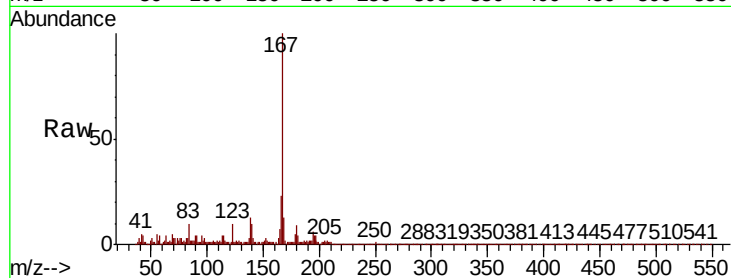
#73
 Carbazole
 Concen: 2.032 ng
 RT: 17.39 min Scan# 2465
 Delta R.T. -0.01 min
 Lab File: BP002685.D
 Acq: 08 Jul 2020 20:51

Instrument :
 BNA_P
 ClientSampleId :
 OK-02-070720

Tot Ion	Ion	Ratio	Resp	Lower	Upper
167	100				
166	22.8		17.1	25.7	
139	13.1		10.5	15.7	

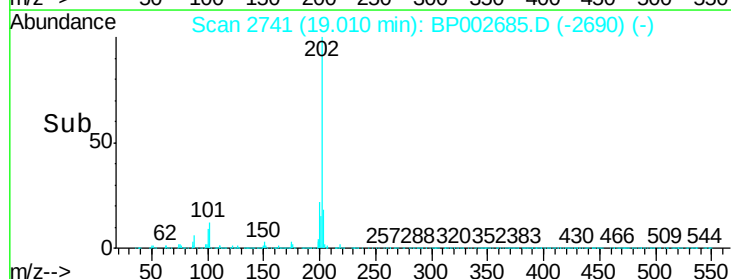
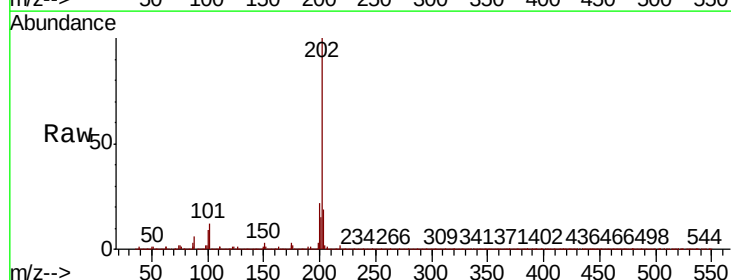
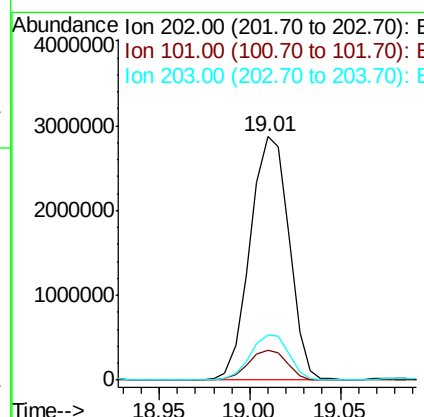
Manual Integrations
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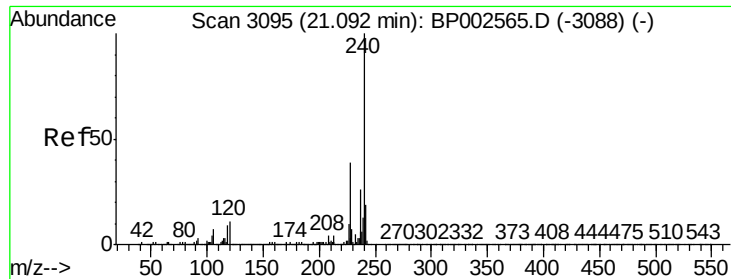
mohammad
 7/9/2020 11:00:32 AM



#75
 Fluoranthene
 Concen: 51.061 ng
 RT: 19.01 min Scan# 2741
 Delta R.T. -0.00 min
 Lab File: BP002685.D
 Acq: 08 Jul 2020 20:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	12.2		0.0	30.6	
203	18.5		0.0	37.7	





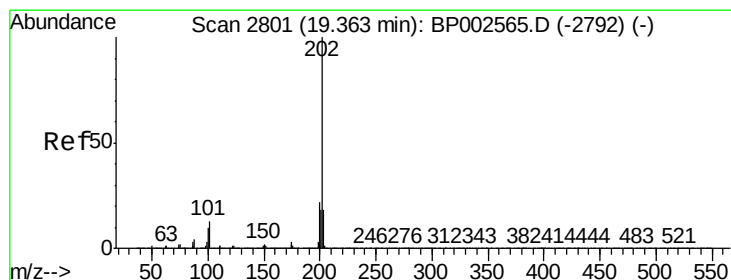
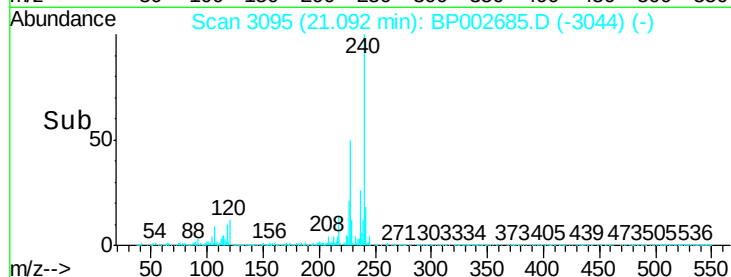
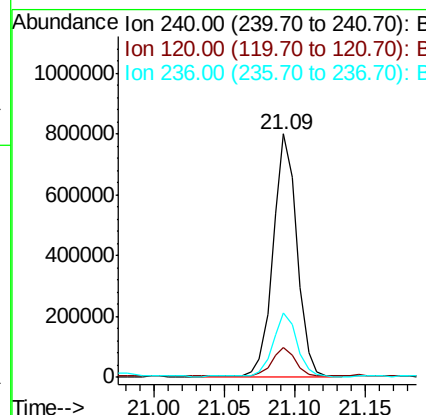
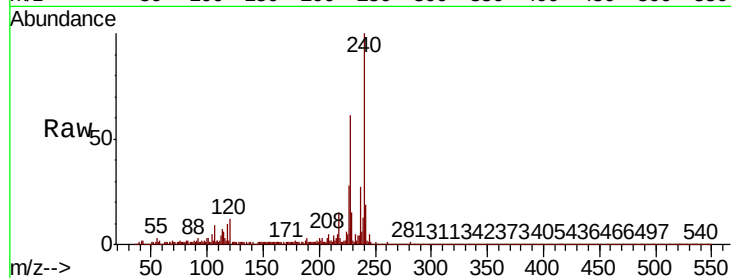
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.09 min Scan# 3095
Delta R.T. -0.00 min
Lab File: BP002685.D
Acq: 08 Jul 2020 20:51

Instrument :
BNA_P
ClientSampleId :
OK-02-070720

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.2	8.6	13.0
236	26.6	20.8	31.2

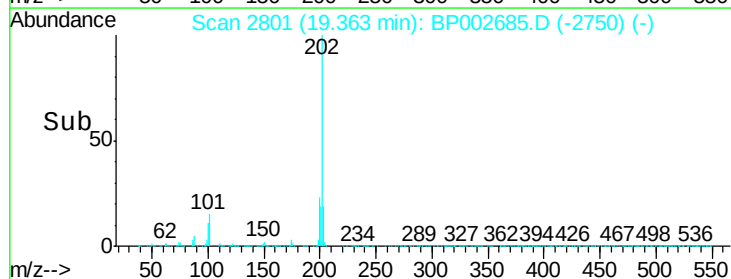
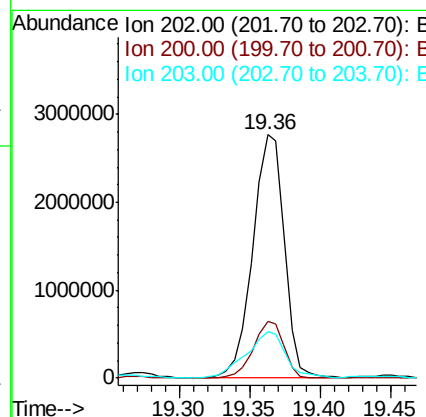
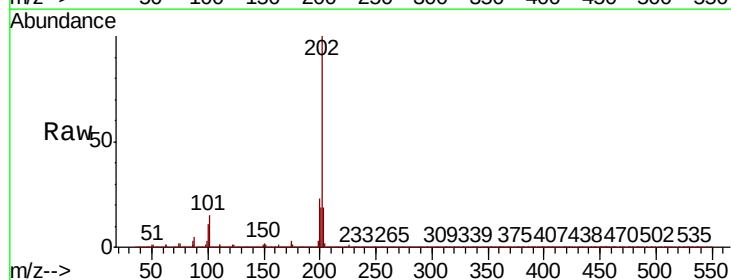
Manual Integrations
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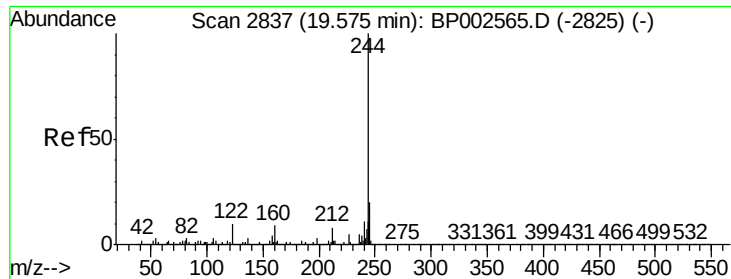
mohammad
7/9/2020 11:00:32 AM



#78
Pyrene
Concen: 67.725 ng
RT: 19.36 min Scan# 2801
Delta R.T. -0.00 min
Lab File: BP002685.D
Acq: 08 Jul 2020 20:51

Tgt Ion	Ratio	Lower	Upper
202	100		
200	23.3	17.6	26.4
203	19.2	14.4	21.6





#79

Terphenyl-d14

Concen: 29.246 ng

RT: 19.57 min Scan# 2836

Delta R.T. -0.01 min

Lab File: BP002685.D

Acq: 08 Jul 2020 20:51

Instrument :

BNA_P

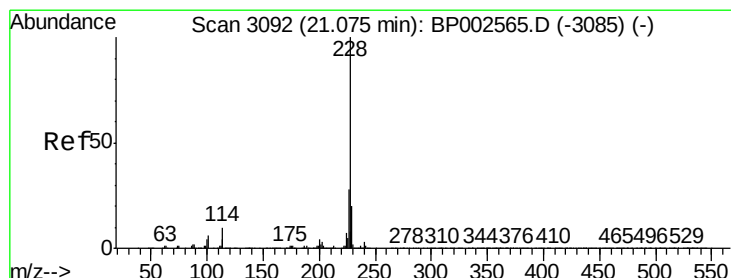
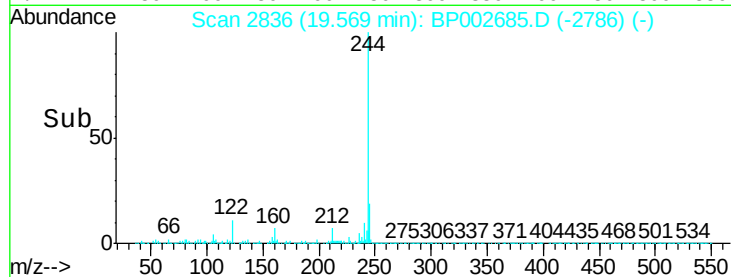
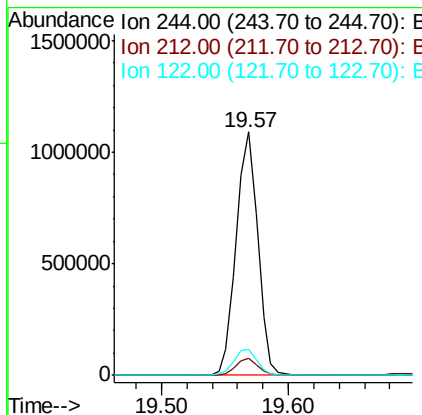
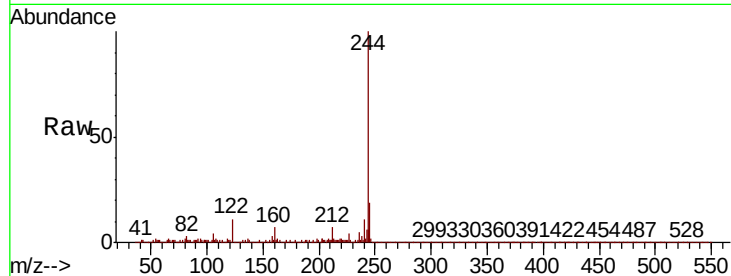
ClientSampled :

OK-02-070720

Tot Ion:	244	Resp:	1278001
Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.5	9.7
122	10.7	7.9	11.9

Manual Integrations
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mohammad
7/9/2020 11:00:32 AM



#81

Benzo(a)anthracene

Concen: 41.137 ng

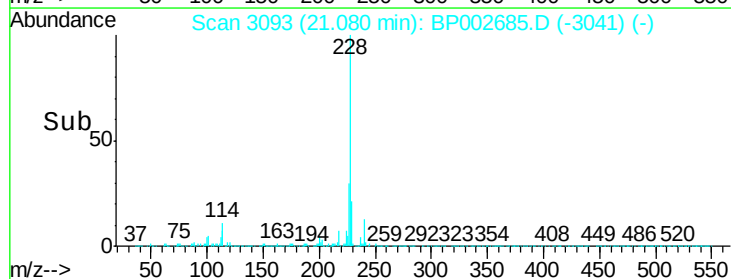
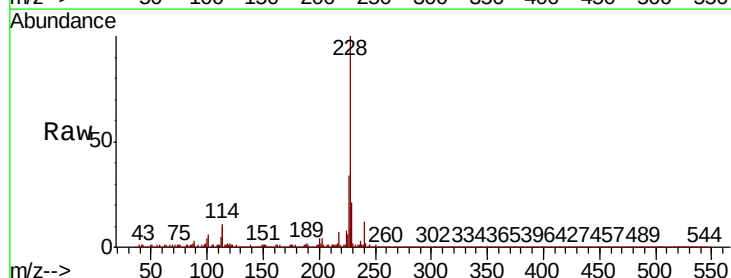
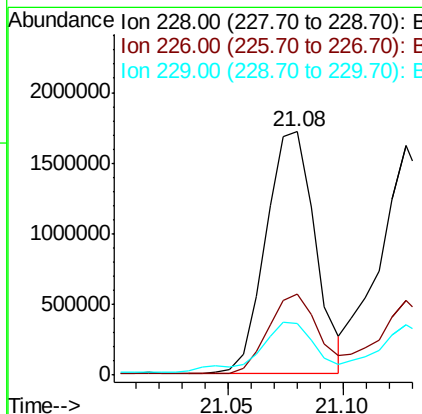
RT: 21.08 min Scan# 3093

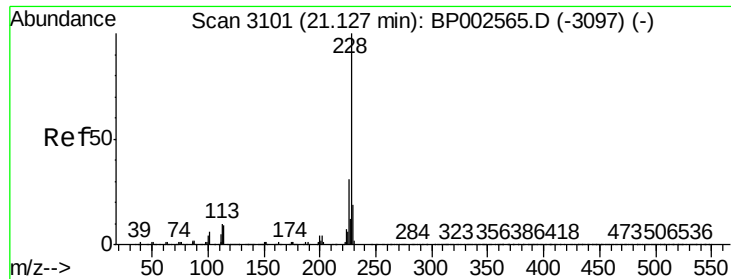
Delta R.T. 0.01 min

Lab File: BP002685.D

Acq: 08 Jul 2020 20:51

Tgt Ion:	228	Resp:	2536696
Ion	Ratio	Lower	Upper
228	100		
226	33.5	22.5	33.7
229	21.0	16.4	24.6





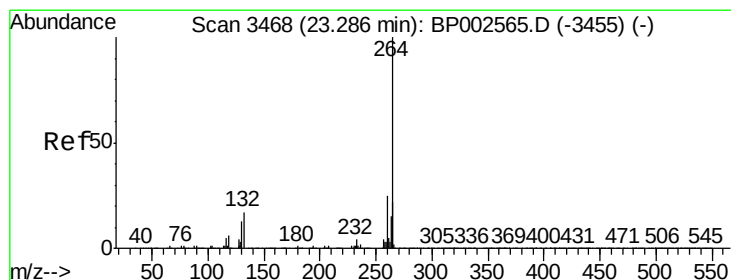
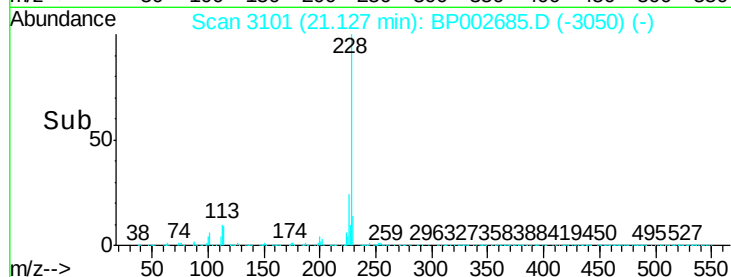
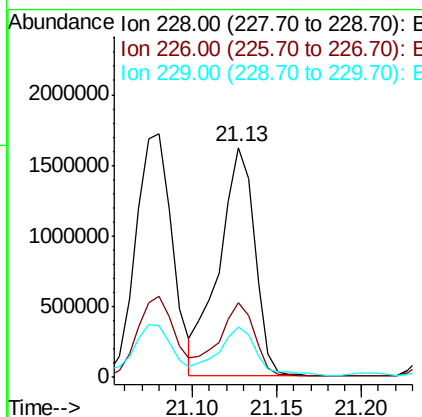
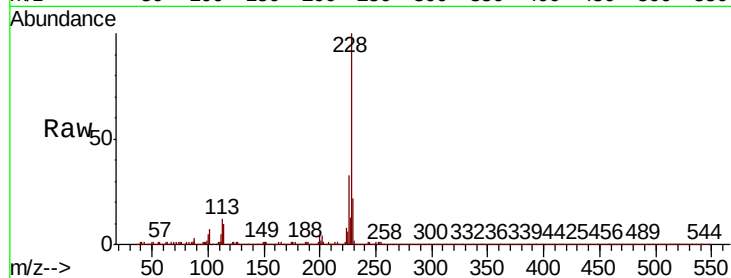
#83
Chrysene
Concen: 40.462 ng
RT: 21.13 min Scan# 3101
Delta R.T. -0.00 min
Lab File: BP002685.D
Acq: 08 Jul 2020 20:51

Instrument :
BNA_P
ClientSampleId :
OK-02-070720

Tot Ion:	228	Resp:	2392525
Ion	Ratio	Lower	Upper
228	100		
226	32.6	24.6	37.0
229	21.8	15.6	23.4

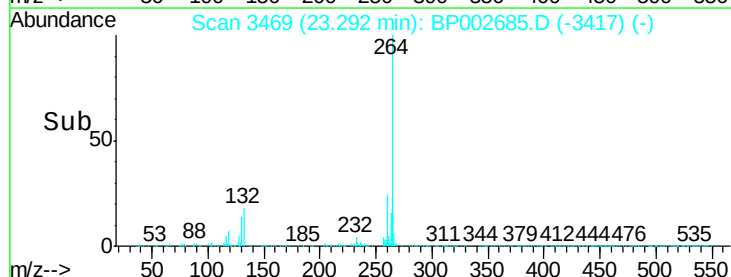
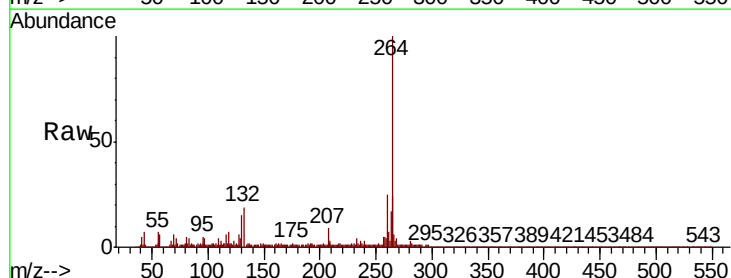
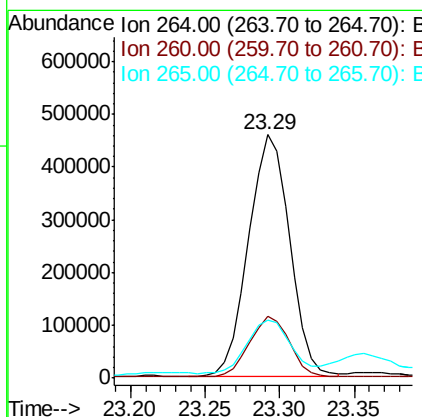
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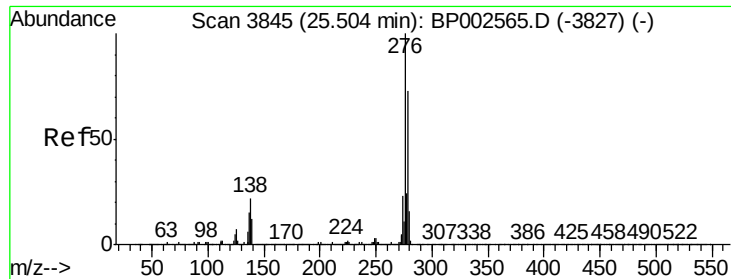
mohammad
7/9/2020 11:00:32 AM



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.29 min Scan# 3469
Delta R.T. 0.01 min
Lab File: BP002685.D
Acq: 08 Jul 2020 20:51

Tgt Ion:	264	Resp:	872266
Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.7	29.5
265	23.7	17.6	26.4





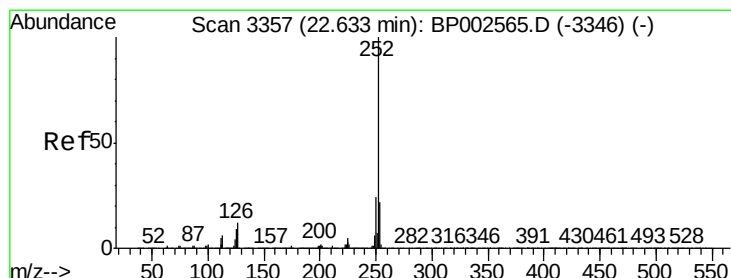
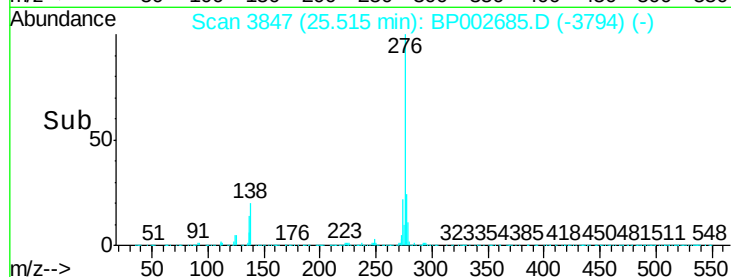
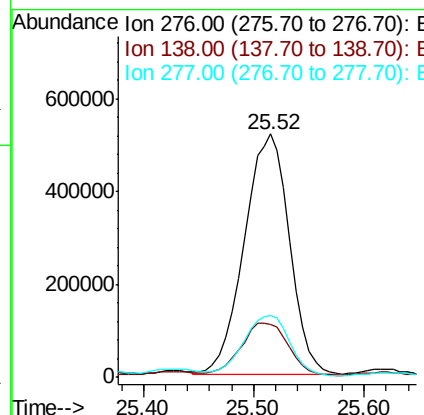
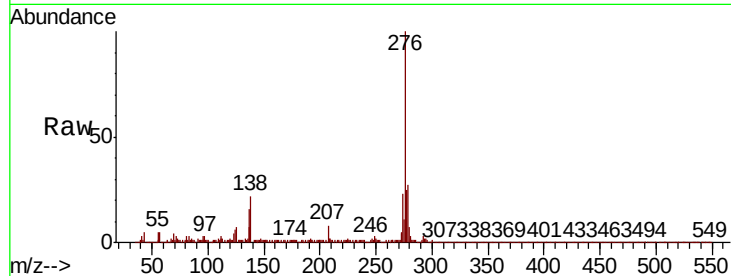
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 23.483 ng
 RT: 25.52 min Scan# 3847
 Delta R.T. 0.01 min
 Lab File: BP002685.D
 Acq: 08 Jul 2020 20:51

Instrument :
 BNA_P
 ClientSampleId :
 OK-02-070720

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.9	18.6	27.8
277	25.2	20.1	30.1

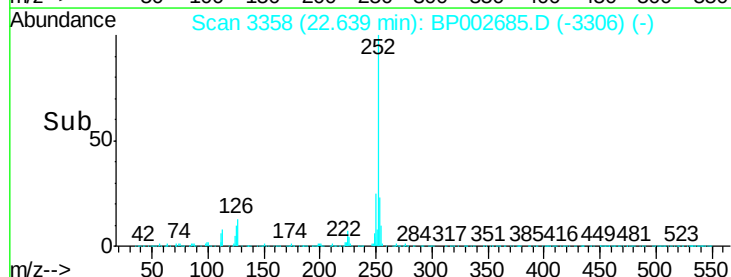
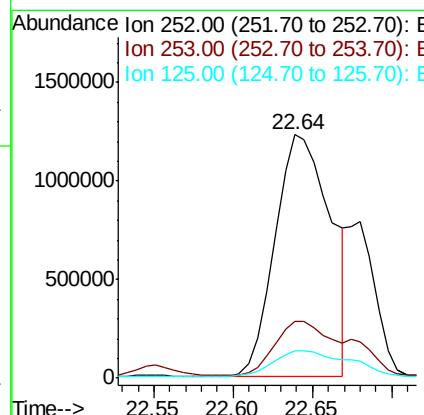
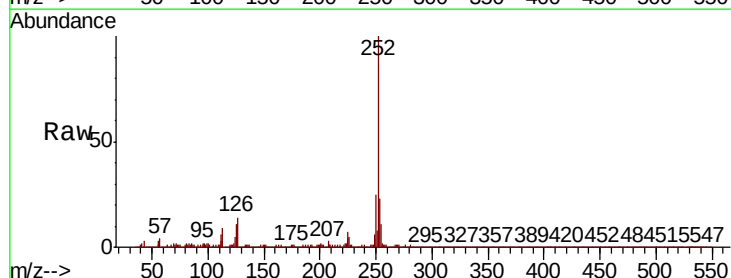
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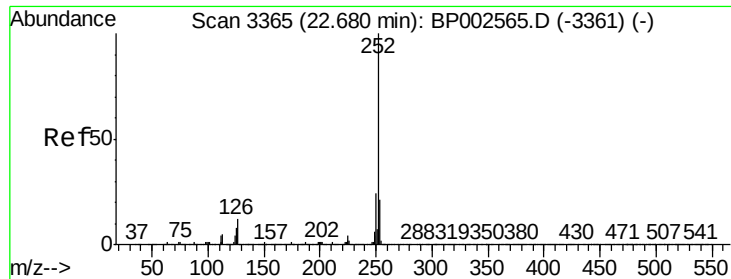
mohammad
 7/9/2020 11:00:32 AM



#88
 Benzo(b)fluoranthene
 Concen: 53.906 ng m
 RT: 22.64 min Scan# 3358
 Delta R.T. 0.01 min
 Lab File: BP002685.D
 Acq: 08 Jul 2020 20:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.7	26.5
125	11.0	7.4	11.2





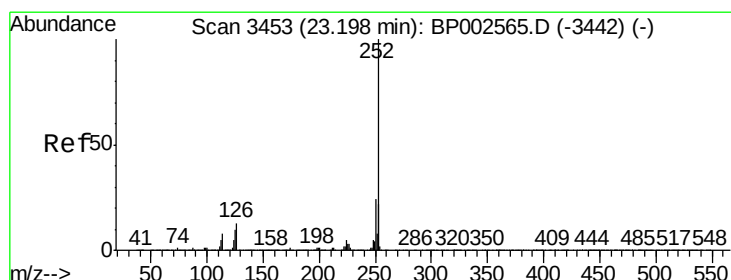
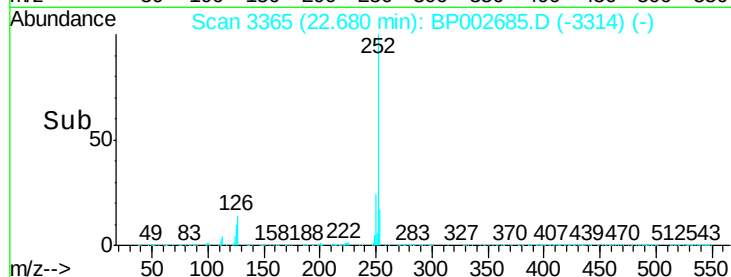
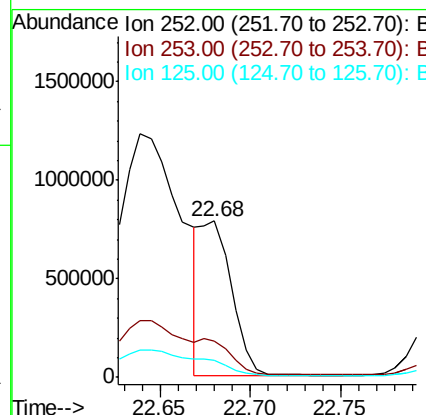
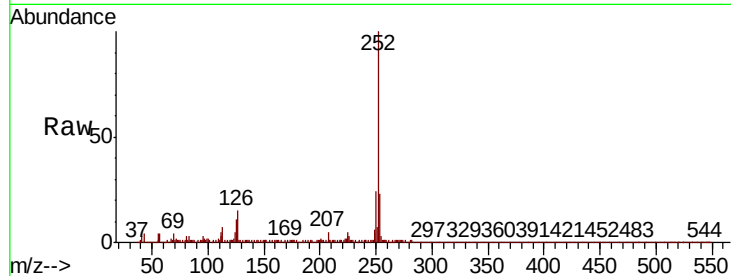
#89
Benzo(k)fluoranthene
Concen: 18.101 ng m
RT: 22.68 min Scan# 3365
Delta R.T. -0.00 min
Lab File: BP002685.D
Acq: 08 Jul 2020 20:51

Instrument :
BNA_P
ClientSampleId :
OK-02-070720

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.4	26.0
125	10.8	6.9	10.3

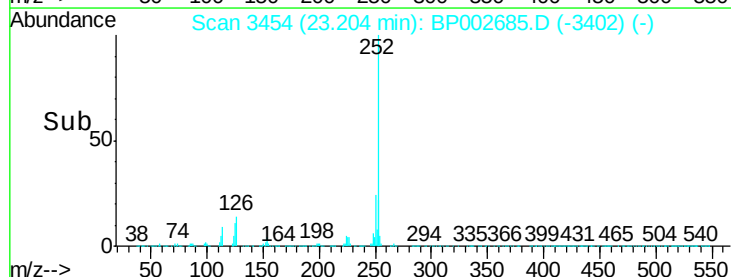
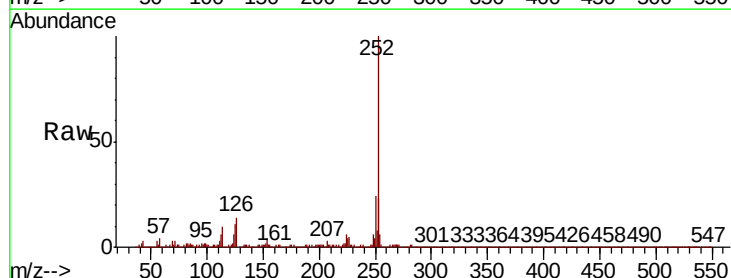
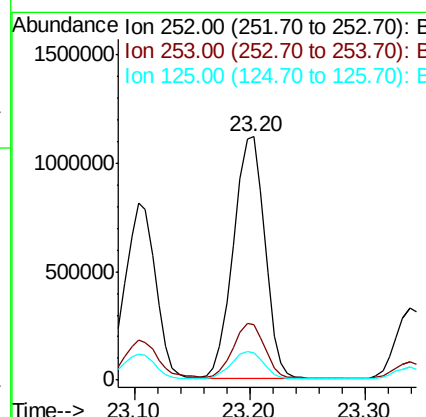
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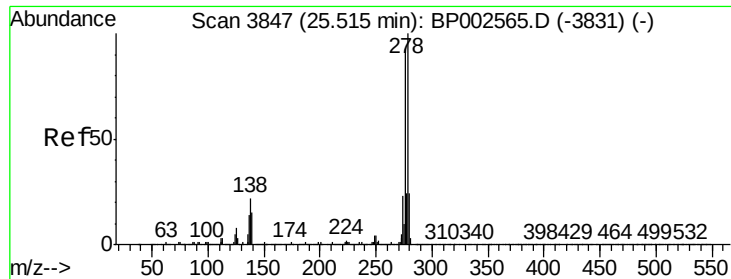
mohammad
7/9/2020 11:00:32 AM



#90
Benzo(a)pyrene
Concen: 41.517 ng
RT: 23.20 min Scan# 3454
Delta R.T. 0.01 min
Lab File: BP002685.D
Acq: 08 Jul 2020 20:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.6
125	11.4	7.8	11.8





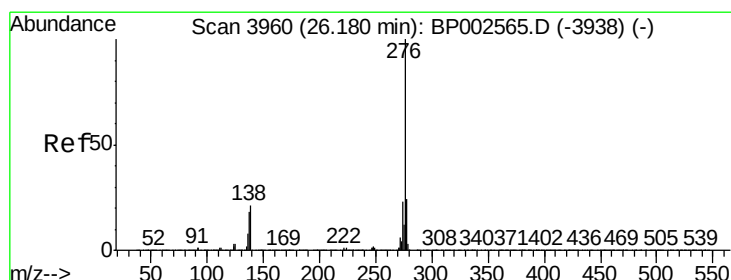
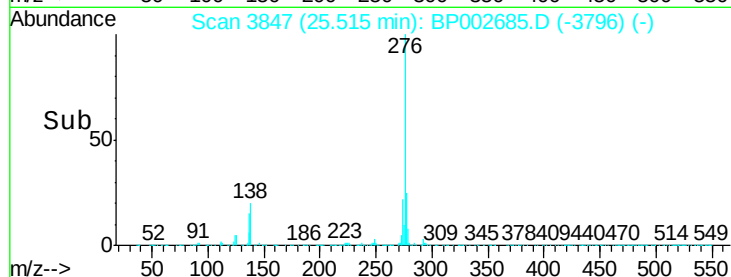
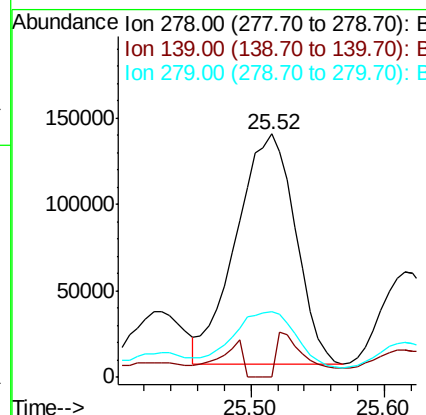
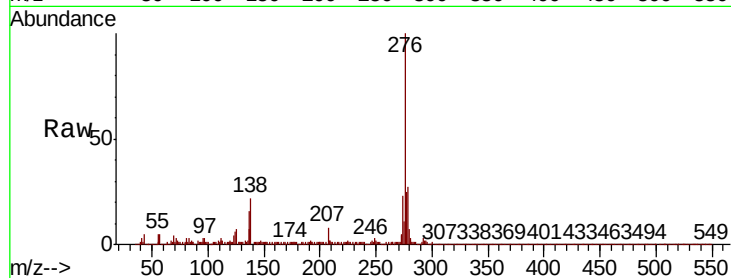
#91
Dibenzo(a,h)anthracene
Concen: 8.036 ng
RT: 25.52 min Scan# 3847
Delta R.T. -0.00 min
Lab File: BP002685.D
Acq: 08 Jul 2020 20:51

Instrument :
BNA_P
ClientSampleId :
OK-02-070720

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.2	18.2#
279	26.8	19.0	28.6

Manual Integrations
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mohammad
7/9/2020 11:00:32 AM



#92
Benzo(g,h,i)perylene
Concen: 28.033 ng
RT: 26.19 min Scan# 3961
Delta R.T. 0.01 min
Lab File: BP002685.D
Acq: 08 Jul 2020 20:51

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.3	28.9
138	23.3	16.9	25.3

