

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP070120\
 Data File : BP002613.D
 Acq On : 01 Jul 2020 20:12
 Operator : CG/JU
 Sample : L3162-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 GL-SP

Manual Integrations
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mohammad
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Quant Time: Jul 02 08:01:14 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	341255	20.00	ng	0.00
21) Naphthalene-d8	10.34	136	1326385	20.00	ng	0.00
39) Acenaphthene-d10	14.22	164	775118	20.00	ng	0.00
64) Phenanthrene-d10	16.97	188	1464451	20.00	ng	0.00
76) Chrysene-d12	21.09	240	1014229	20.00	ng	0.00
86) Perylene-d12	23.29	264	949375	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	1465688	72.72	ng	0.00
7) Phenol-d6	6.76	99	1997072	70.99	ng	0.00
23) Nitrobenzene-d5	8.72	82	1317334	51.17	ng	0.00
42) 2,4,6-Tribromophenol	15.72	330	615001	65.23	ng	0.00
45) 2-Fluorobiphenyl	12.83	172	2653707	50.39	ng	0.00
79) Terphenyl-d14	19.57	244	2875228	61.19	ng	0.00
Target Compounds						
49) Acenaphthylene	13.93	152	249919	3.327	ng	98
50) Dimethylphthalate	13.68	163	311343	5.114	ng	100
70) Pentachlorophenol	16.65	266	1149	2.772	ng	# 84
71) Phenanthrene	17.02	178	299875	3.806	ng	99
75) Fluoranthene	19.00	202	602483	6.317	ng	97
78) Pyrene	19.36	202	602925	8.734	ng	100
81) Benzo(a)anthracene	21.07	228	337444	5.089	ng	96
83) Chrysene	21.12	228	339596	5.341	ng	97
87) Indeno(1,2,3-cd)pyrene	25.49	276	261192	3.821	ng	99
88) Benzo(b)fluoranthene	22.63	252	470056m	7.759	ng	
89) Benzo(k)fluoranthene	22.67	252	142266m	2.517	ng	
90) Benzo(a)pyrene	23.19	252	315204	5.670	ng	# 94
92) Benzo(a,h,i)perylene	26.16	276	277650	4.970	ng	96

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

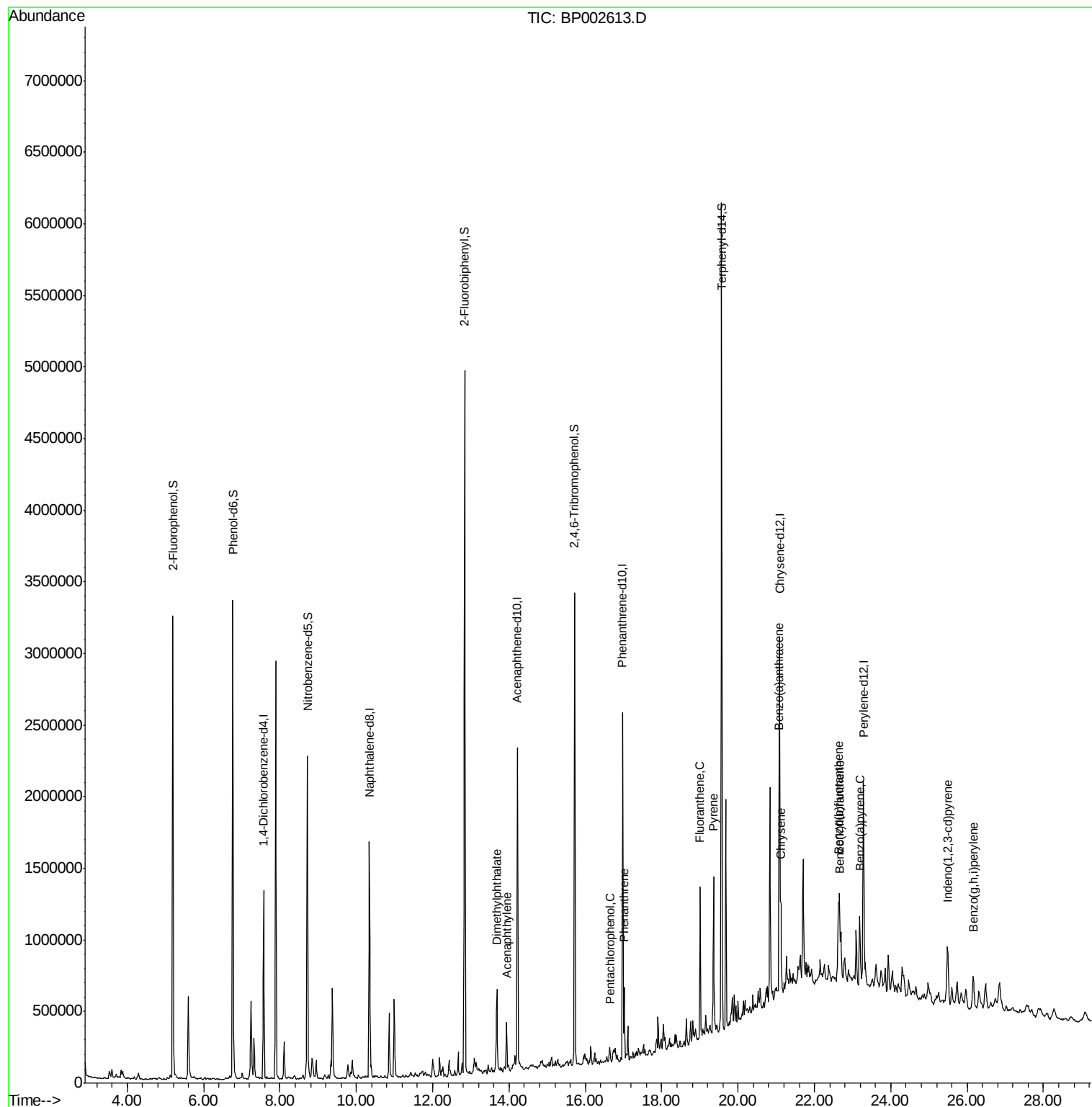
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Data File : BP002613.D
Acq On : 01 Jul 2020 20:12
Operator : CG/JU
Sample : L3162-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

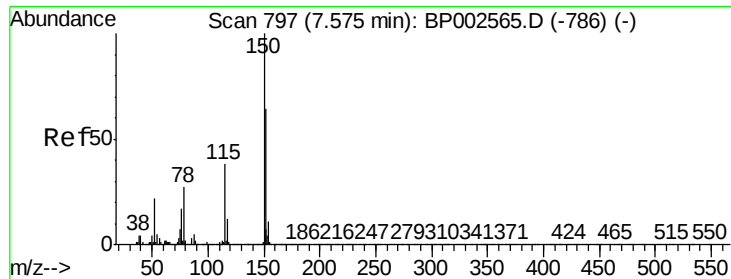
Instrument :
BNA_P
ClientSampleId :
GL-SP

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP062920.M
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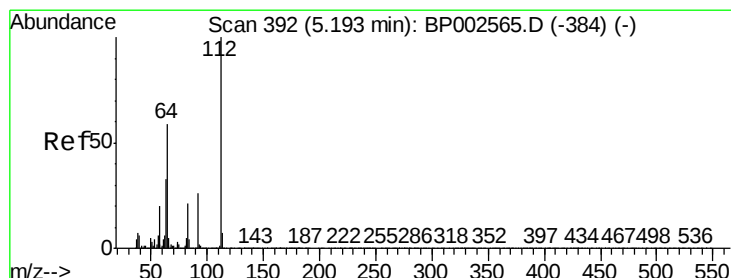
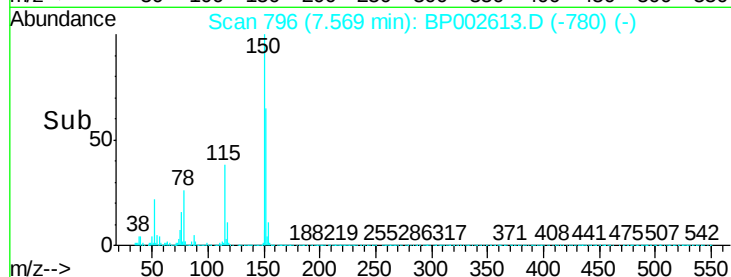
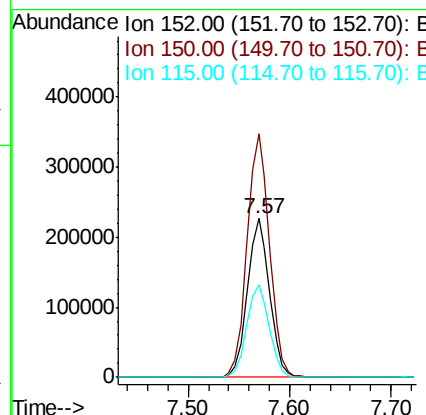
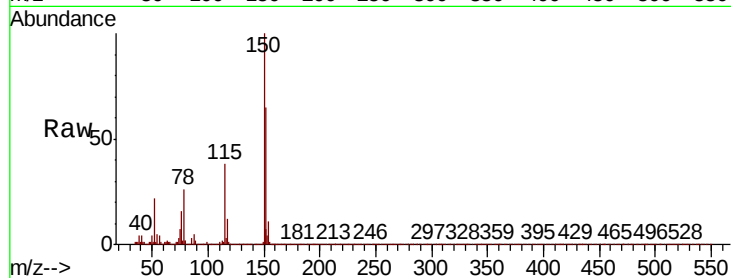
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.57 min Scan# 796
 Delta R.T. -0.01 min
 Lab File: BP002613.D
 Acq: 01 Jul 2020 20:12

Instrument :
 BNA_P
 ClientSampled :
 GL-SP

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.5	124.2	186.2
115	58.0	47.1	70.7

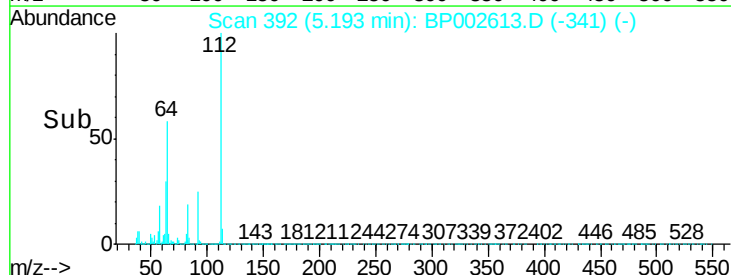
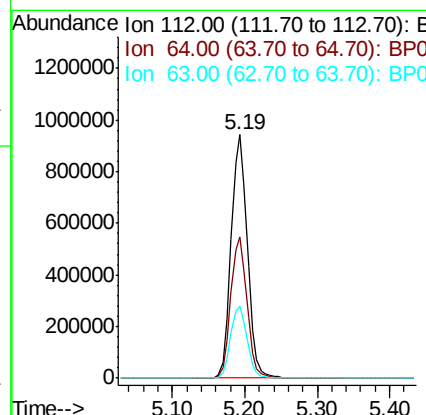
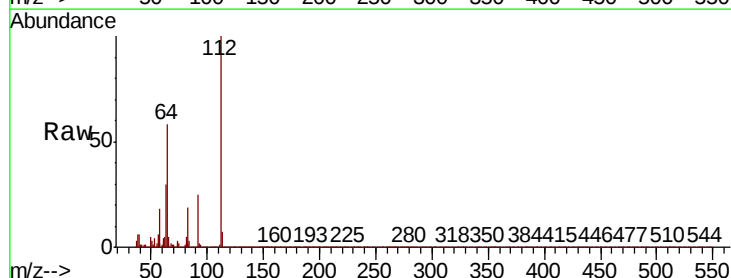
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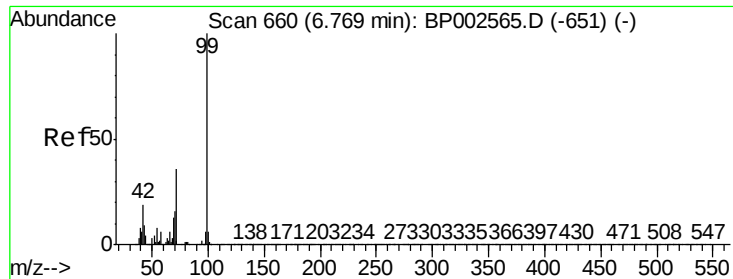
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#5
 2-Fluorophenol
 Concen: 72.719 ng
 RT: 5.19 min Scan# 392
 Delta R.T. -0.00 min
 Lab File: BP002613.D
 Acq: 01 Jul 2020 20:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.2	47.0	70.6
63	29.8	26.1	39.1





#7

Phenol-d6

Concen: 70.990 ng

RT: 6.76 min Scan# 659

Delta R.T. -0.01 min

Lab File: BP002613.D

Acq: 01 Jul 2020 20:12

Instrument :

BNA_P

ClientSampleId :

GL-SP

Tot Ion: 99 Resp: 1997072

Ion Ratio Lower Upper

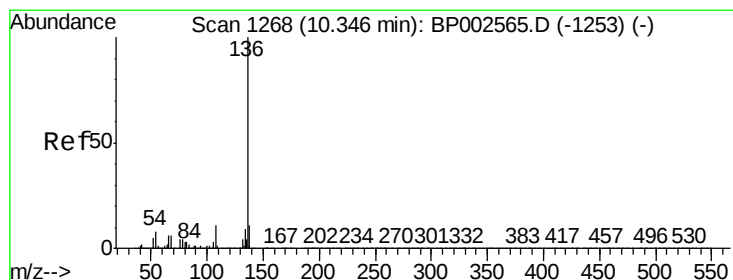
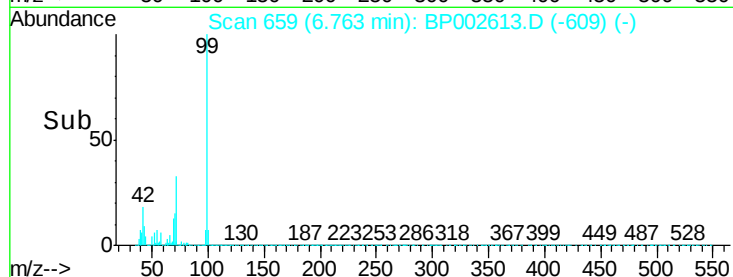
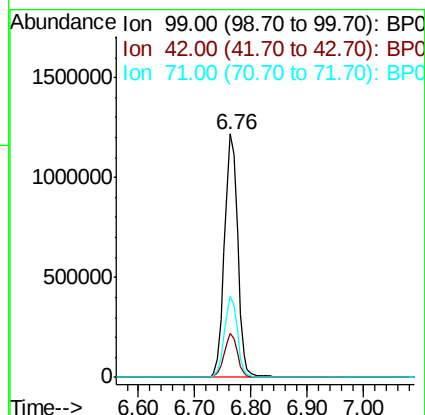
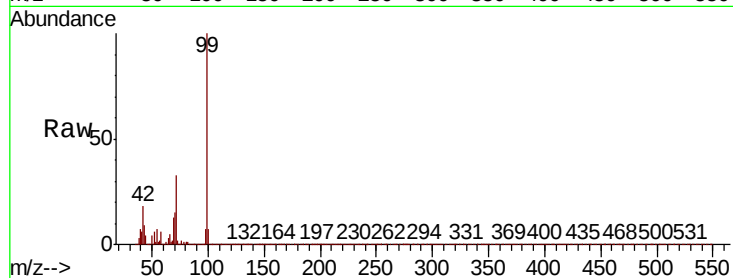
99 100

42 18.0 15.5 23.3

71 33.2 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: BP002613.D

Acq: 01 Jul 2020 20:12

Tgt Ion: 136 Resp: 1326385

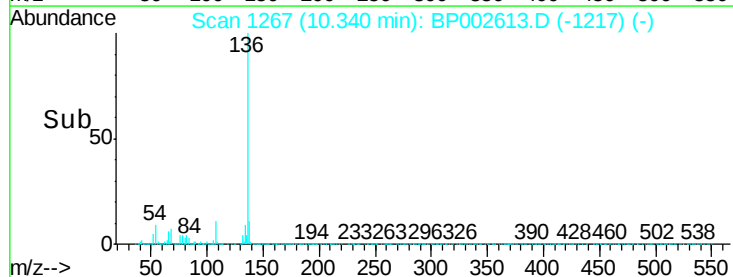
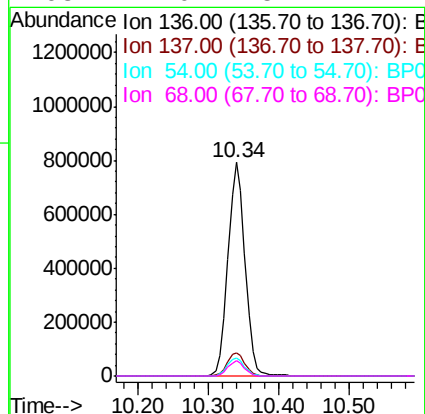
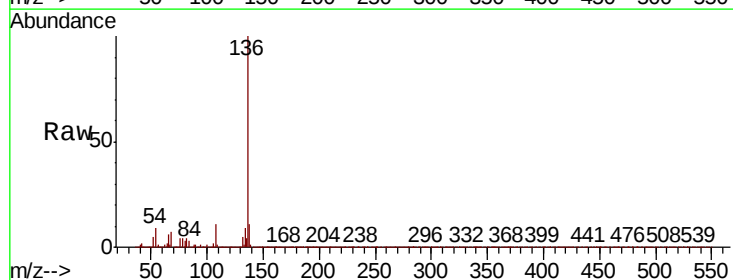
Ion Ratio Lower Upper

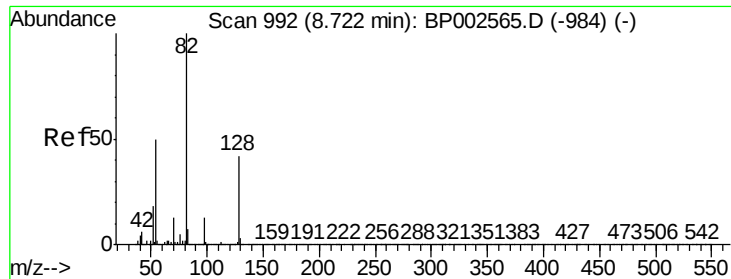
136 100

137 11.1 8.8 13.2

54 8.6 6.4 9.6

68 7.0 5.1 7.7





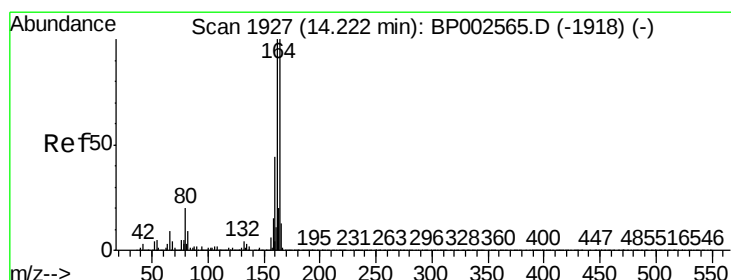
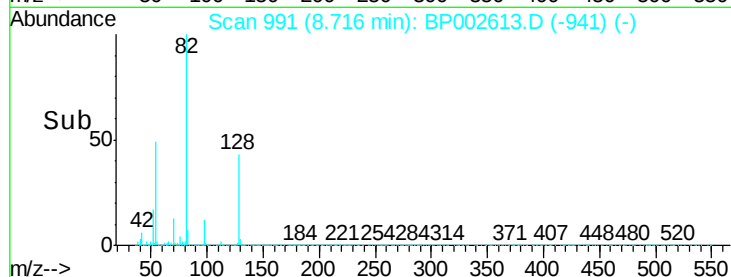
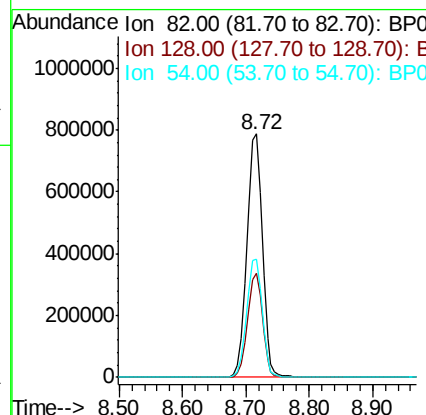
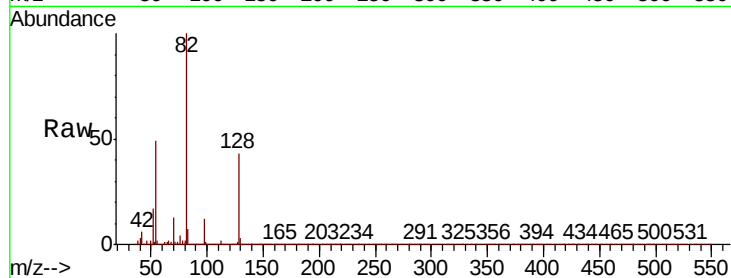
#23
Nitrobenzene-d5
Concen: 51.174 ng
RT: 8.72 min Scan# 991
Delta R.T. -0.01 min
Lab File: BP002613.D
Acq: 01 Jul 2020 20:12

Instrument :
BNA_P
ClientSampled :
GL-SP

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.9	33.4	50.2
54	48.5	40.1	60.1

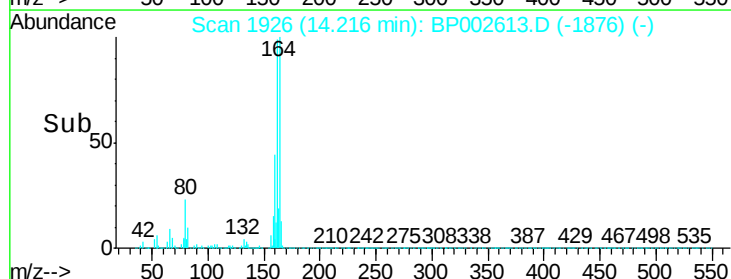
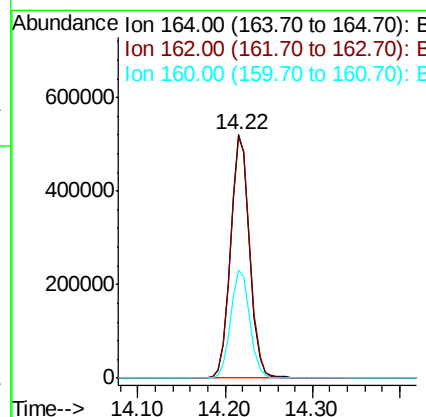
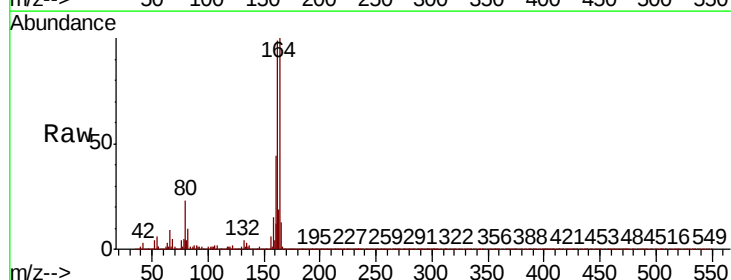
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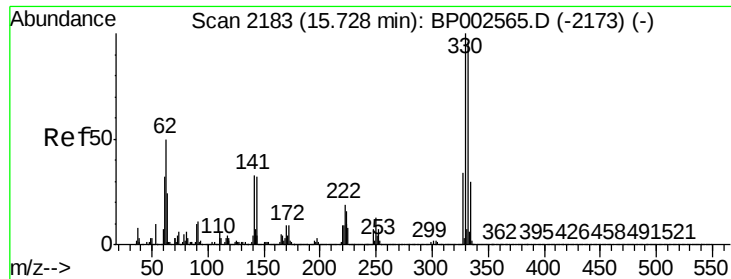
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.22 min Scan# 1926
Delta R.T. -0.01 min
Lab File: BP002613.D
Acq: 01 Jul 2020 20:12

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.0	80.3	120.5
160	44.1	35.0	52.6





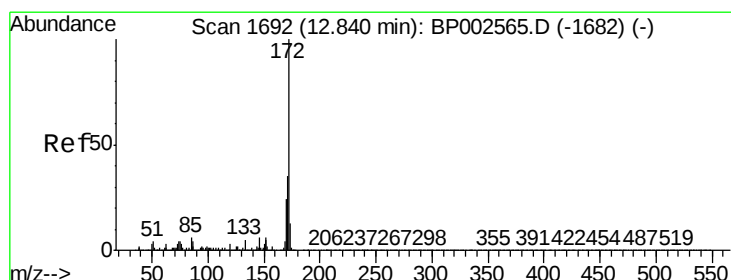
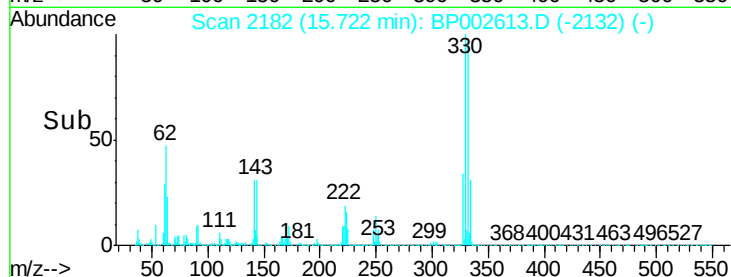
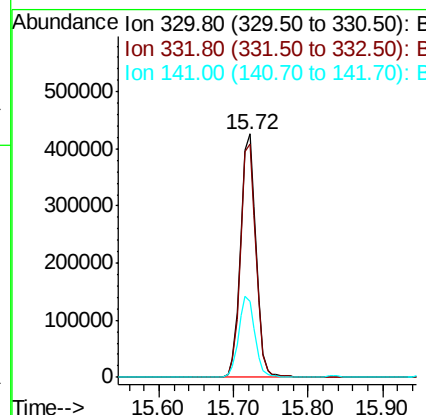
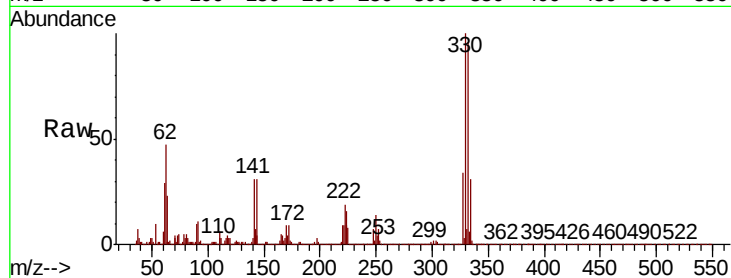
#42
2,4,6-Tribromophenol
Concen: 65.234 ng
RT: 15.72 min Scan# 2182
Delta R.T. -0.01 min
Lab File: BP002613.D
Acq: 01 Jul 2020 20:12

Instrument :
BNA_P
ClientSampled :
GL-SP

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.7	116.5
141	34.7	29.0	43.6

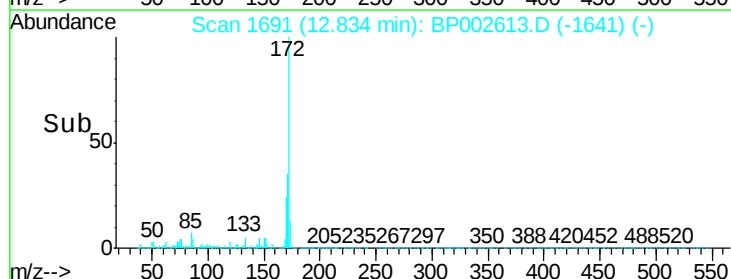
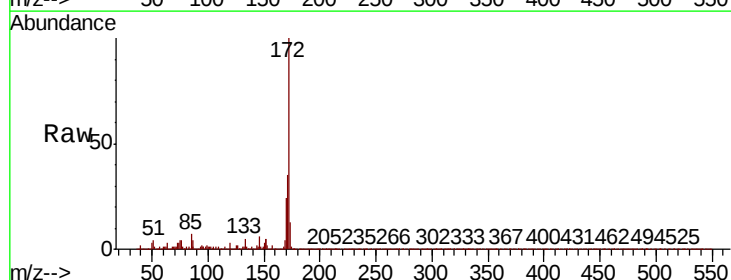
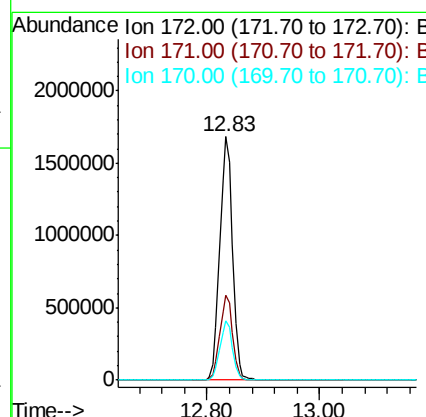
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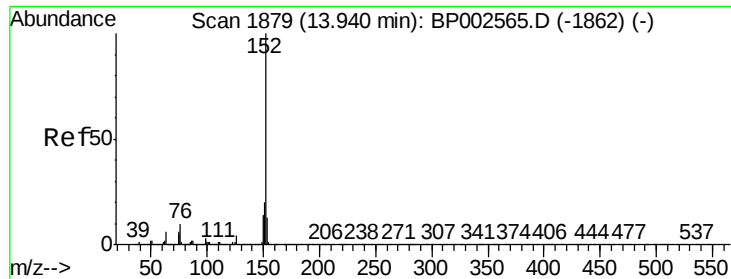
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#45
2-Fluorobiphenyl
Concen: 50.390 ng
RT: 12.83 min Scan# 1691
Delta R.T. -0.01 min
Lab File: BP002613.D
Acq: 01 Jul 2020 20:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.0	42.0
170	24.3	19.0	28.4





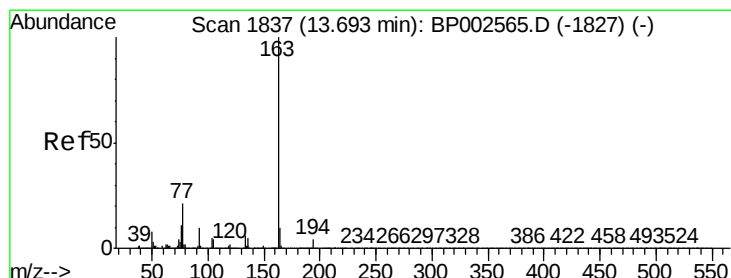
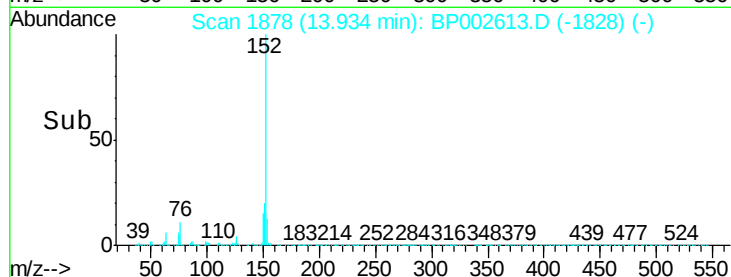
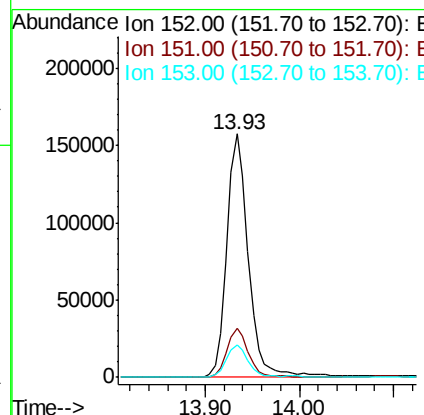
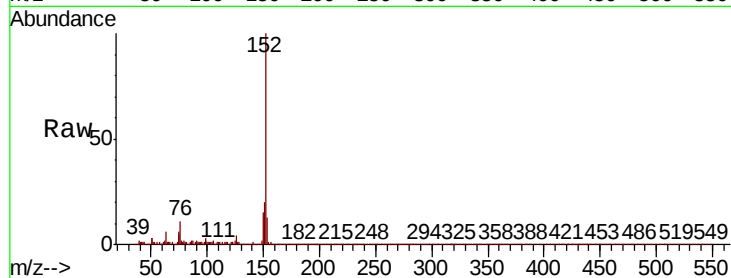
#49
Acenaphthylene
Concen: 3.327 ng
RT: 13.93 min Scan# 1878
Delta R.T. -0.01 min
Lab File: BP002613.D
Acq: 01 Jul 2020 20:12

Instrument :
BNA_P
ClientSampleId :
GL-SP

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.7	23.5
153	13.5	10.2	15.2

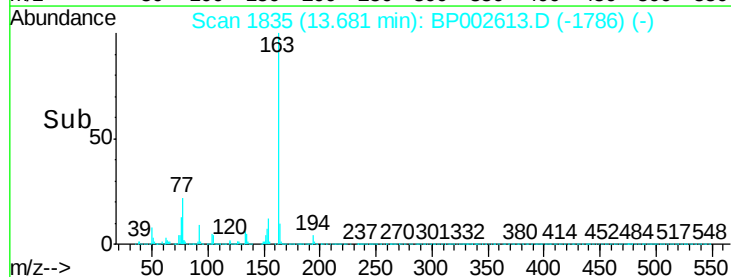
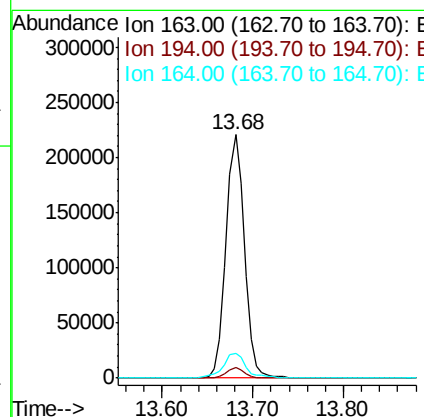
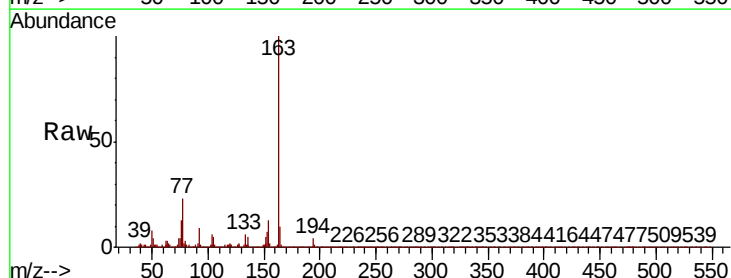
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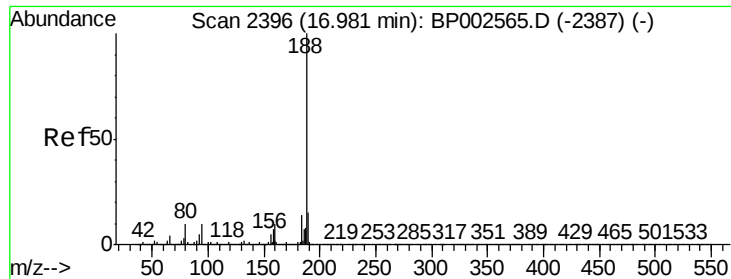
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#50
Dimethylphthalate
Concen: 5.114 ng
RT: 13.68 min Scan# 1835
Delta R.T. -0.01 min
Lab File: BP002613.D
Acq: 01 Jul 2020 20:12

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.0
164	10.4	8.2	12.4





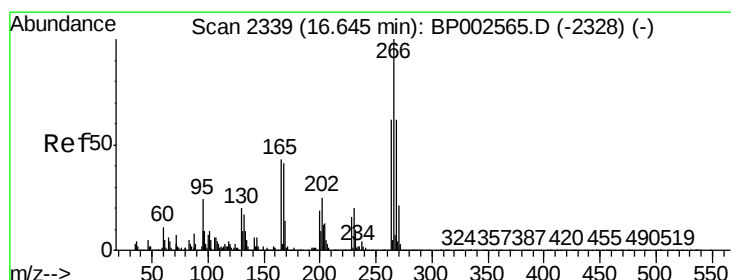
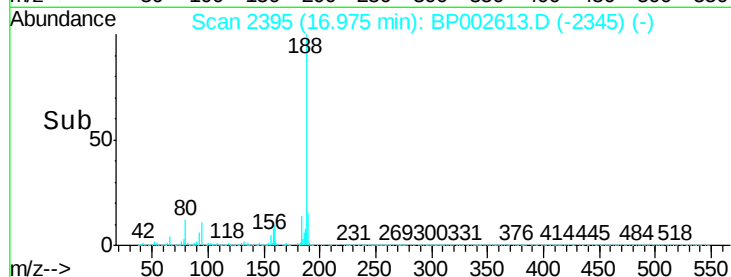
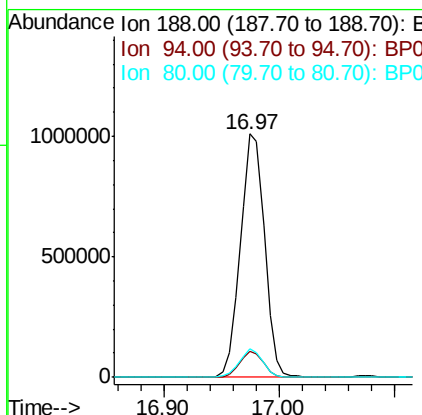
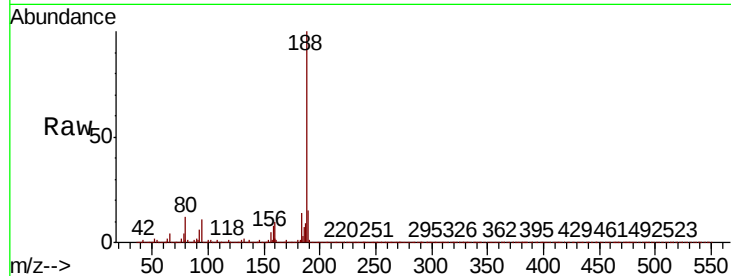
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.97 min Scan# 2395
Delta R.T. -0.01 min
Lab File: BP002613.D
Acq: 01 Jul 2020 20:12

Instrument :
BNA_P
ClientSampled :
GL-SP

Tot Ion	Ratio	Lower	Upper
188	100		
94	10.8	7.8	11.6
80	11.7	8.2	12.4

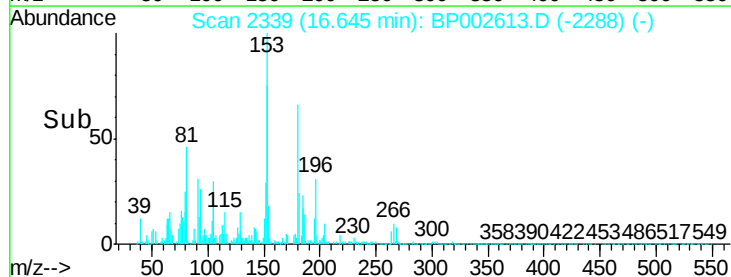
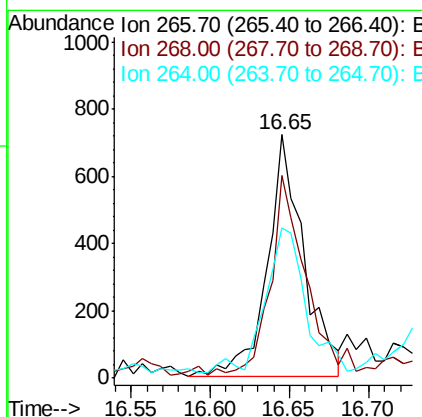
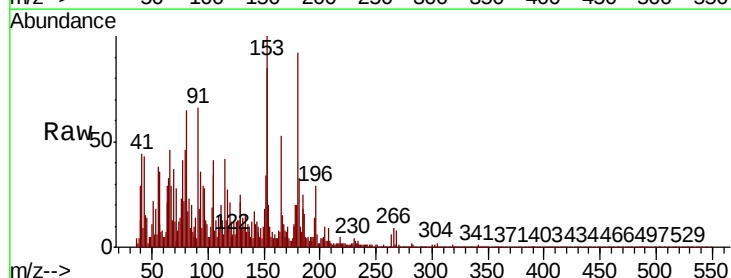
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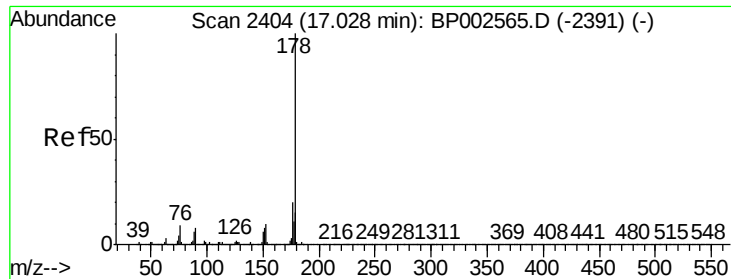
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#70
Pentachlorophenol
Concen: 2.772 ng
RT: 16.65 min Scan# 2339
Delta R.T. 0.00 min
Lab File: BP002613.D
Acq: 01 Jul 2020 20:12

Tgt Ion	Ratio	Lower	Upper
266	100		
268	83.1	49.7	74.5#
264	64.6	49.3	73.9





#71

Phenanthrene

Concen: 3.806 ng

RT: 17.02 min Scan# 2402

Delta R.T. -0.01 min

Lab File: BP002613.D

Acq: 01 Jul 2020 20:12

Instrument :

BNA_P

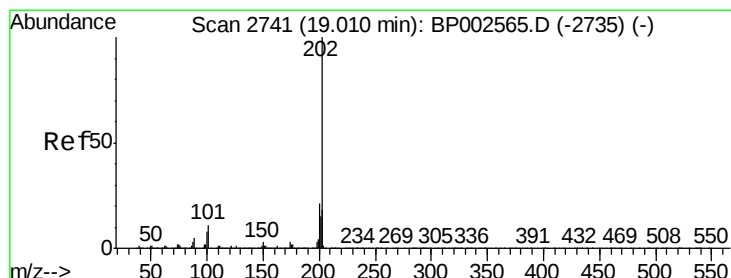
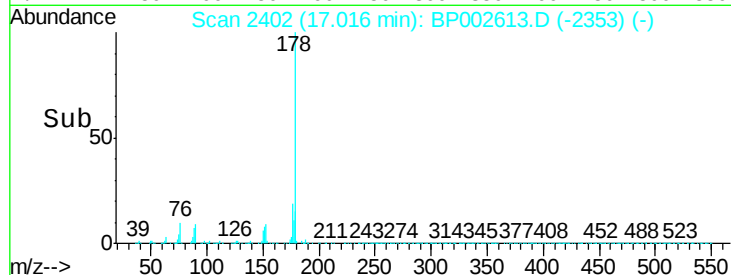
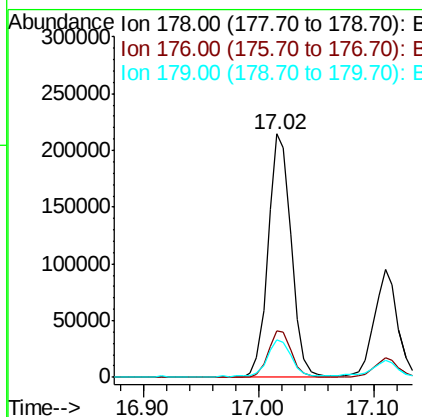
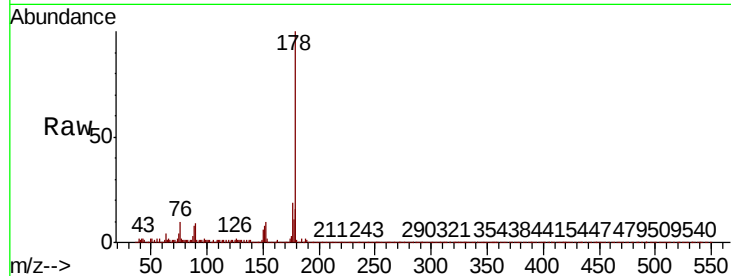
ClientSampled :

GL-SP

Tot Ion:	178	Resp:	299875
Ion Ratio	Lower	Upper	
178	100		
176	19.2	15.6	23.4
179	15.5	12.1	18.1

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#75

Fluoranthene

Concen: 6.317 ng

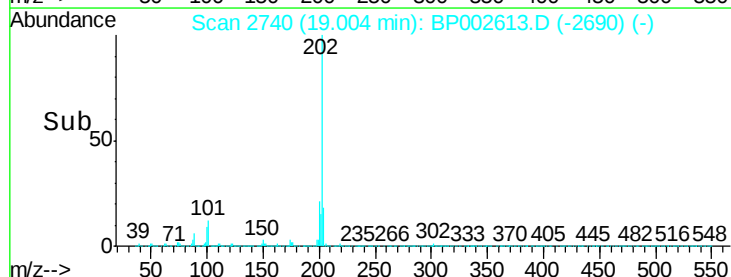
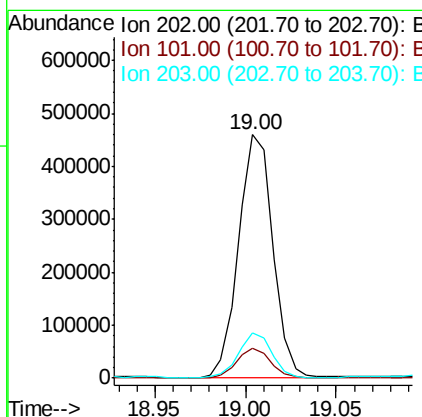
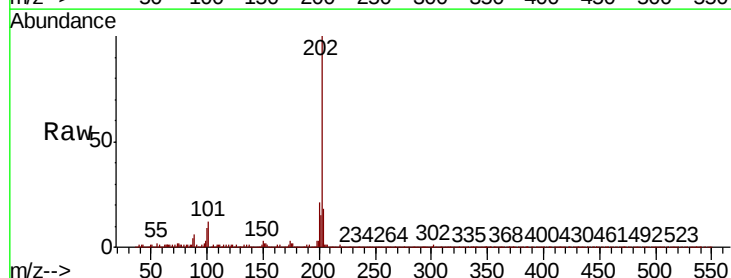
RT: 19.00 min Scan# 2740

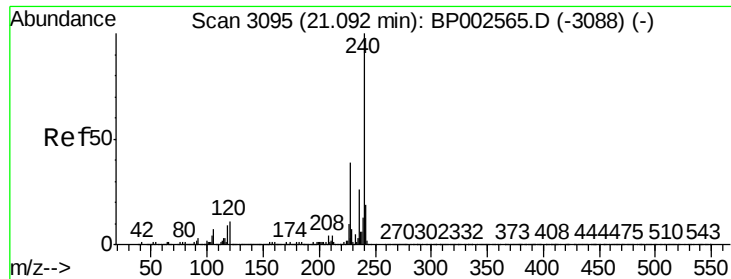
Delta R.T. -0.01 min

Lab File: BP002613.D

Acq: 01 Jul 2020 20:12

Tgt Ion:	202	Resp:	602483
Ion Ratio	Lower	Upper	
202	100		
101	12.4	0.0	30.6
203	18.5	0.0	37.7





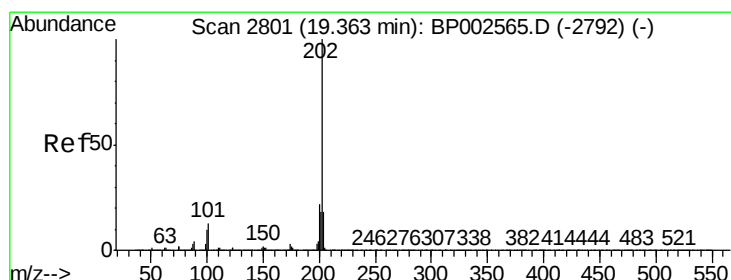
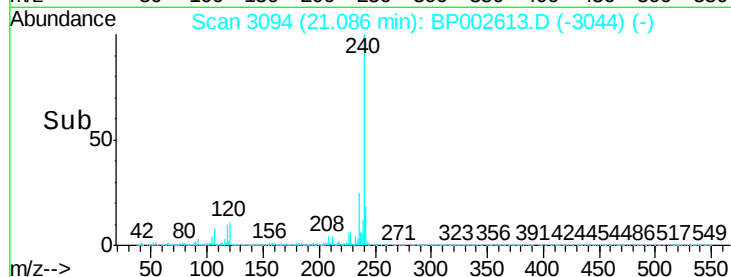
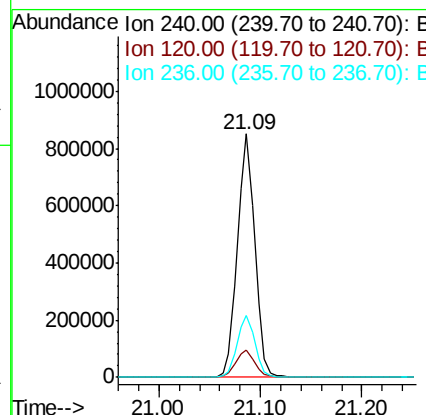
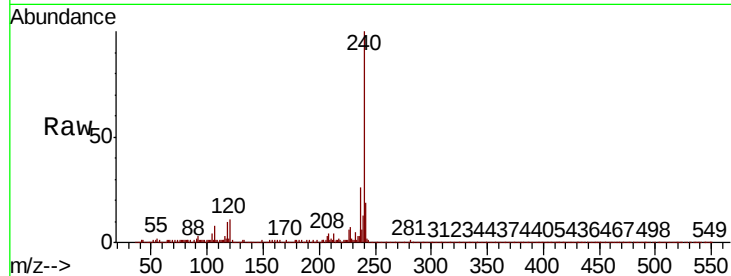
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.09 min Scan# 3094
Delta R.T. -0.01 min
Lab File: BP002613.D
Acq: 01 Jul 2020 20:12

Instrument :
BNA_P
ClientSampled :
GL-SP

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.4	8.6	13.0
236	25.5	20.8	31.2

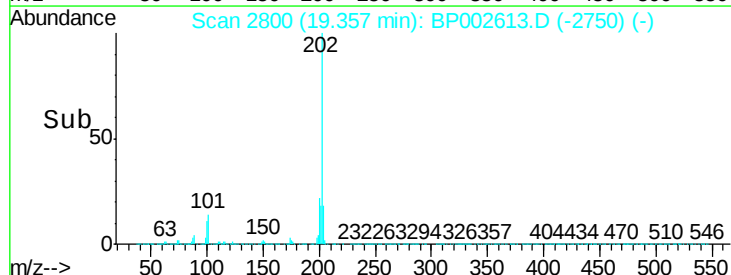
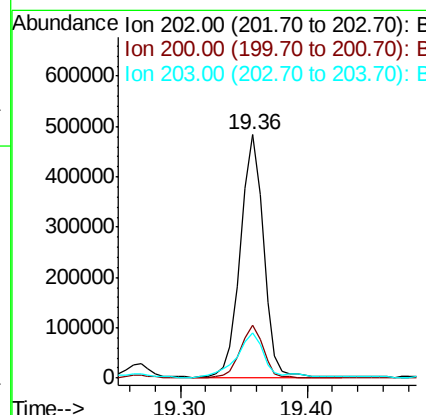
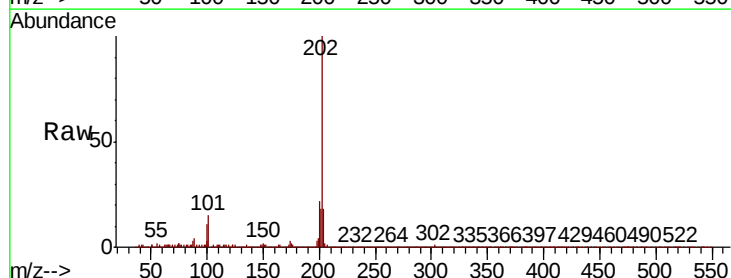
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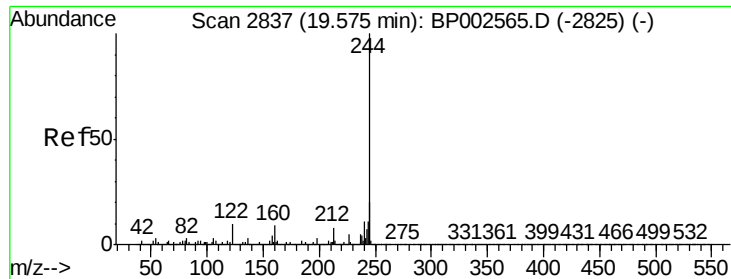
mohammad
7/7/2020 8:23:15 AM



#78
Pyrene
Concen: 8.734 ng
RT: 19.36 min Scan# 2800
Delta R.T. -0.01 min
Lab File: BP002613.D
Acq: 01 Jul 2020 20:12

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.6	26.4
203	18.3	14.4	21.6





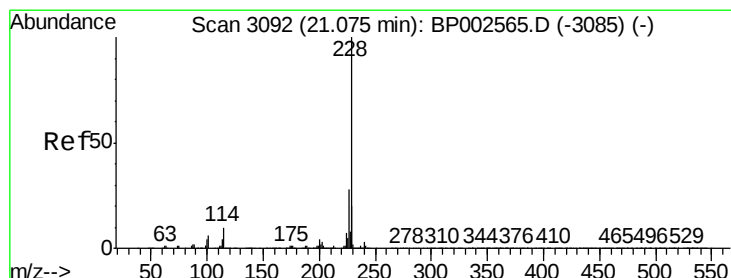
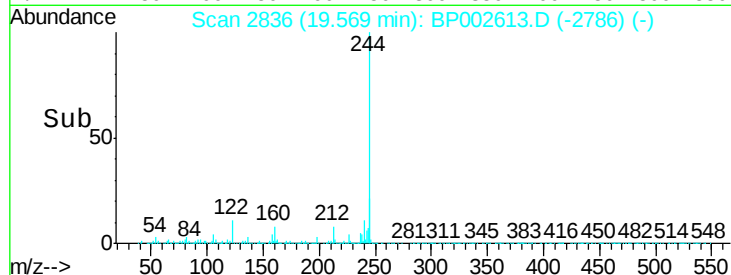
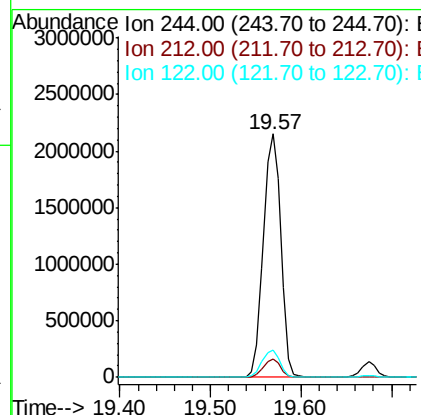
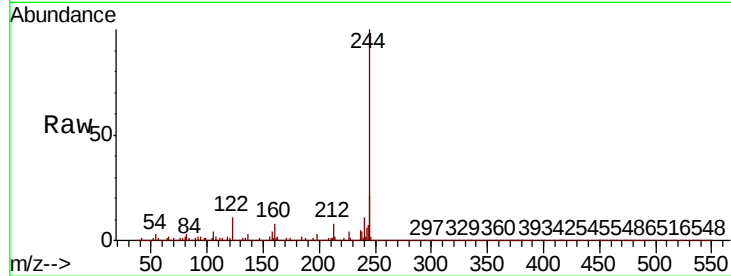
#79
 Terphenyl-d14
 Concen: 61.191 ng
 RT: 19.57 min Scan# 2836
 Delta R.T. -0.01 min
 Lab File: BP002613.D
 Acq: 01 Jul 2020 20:12

Instrument :
 BNA_P
 ClientSampled :
 GL-SP

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.5	9.7
122	11.2	7.9	11.9

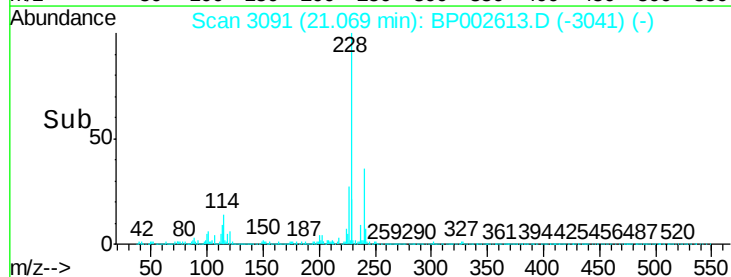
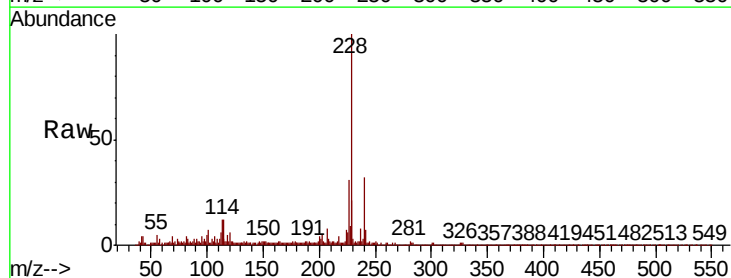
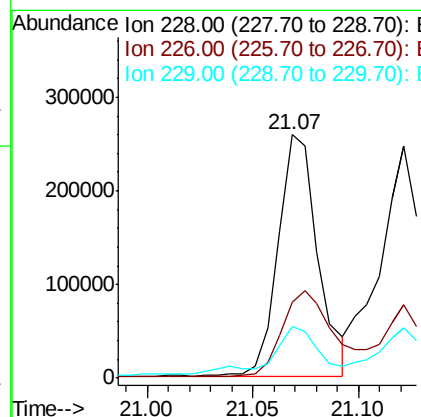
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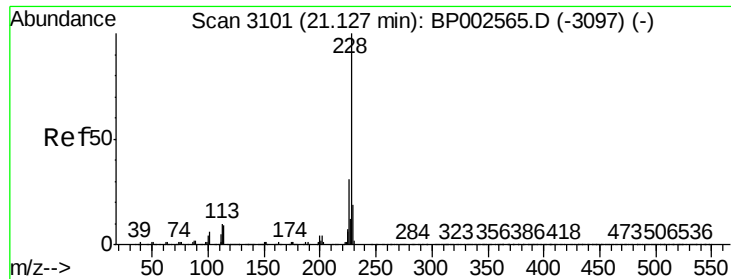
mohammad
 7/7/2020 8:23:15 AM



#81
 Benzo(a)anthracene
 Concen: 5.089 ng
 RT: 21.07 min Scan# 3091
 Delta R.T. -0.01 min
 Lab File: BP002613.D
 Acq: 01 Jul 2020 20:12

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	22.5	33.7
229	21.4	16.4	24.6





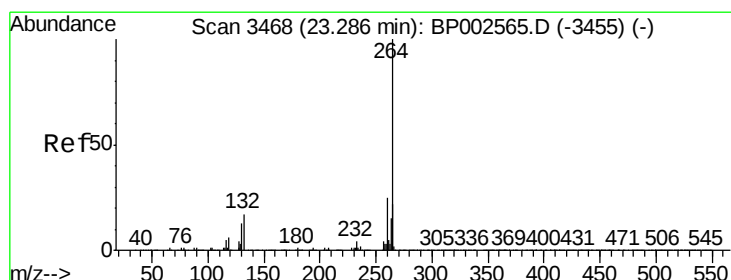
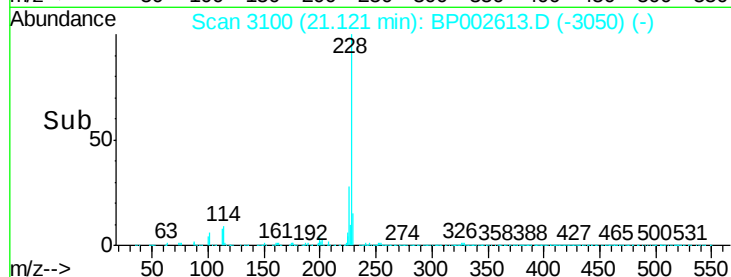
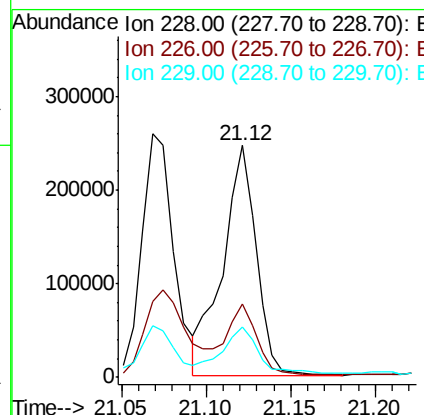
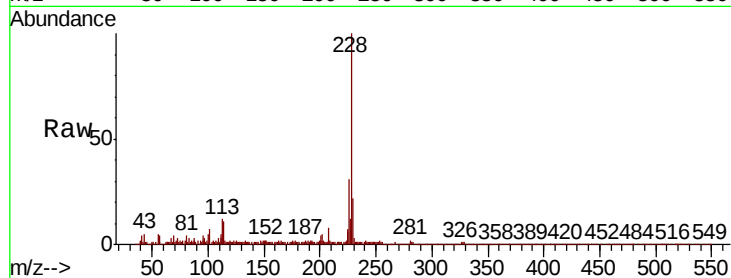
#83
Chrysene
Concen: 5.341 ng
RT: 21.12 min Scan# 3100
Delta R.T. -0.01 min
Lab File: BP002613.D
Acq: 01 Jul 2020 20:12

Instrument :
BNA_P
ClientSampleId :
GL-SP

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.5	24.6	37.0
229	21.7	15.6	23.4

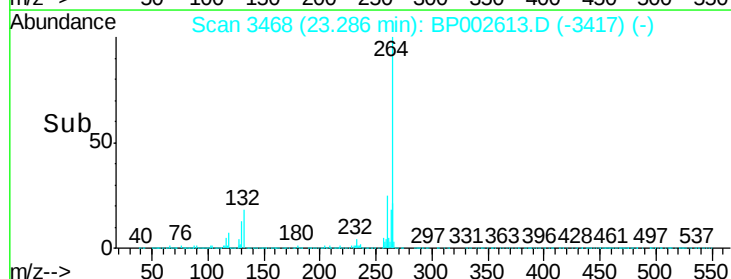
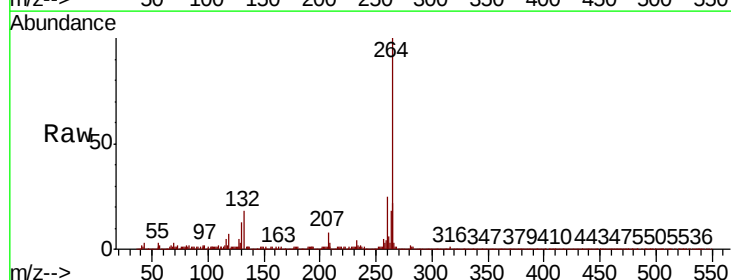
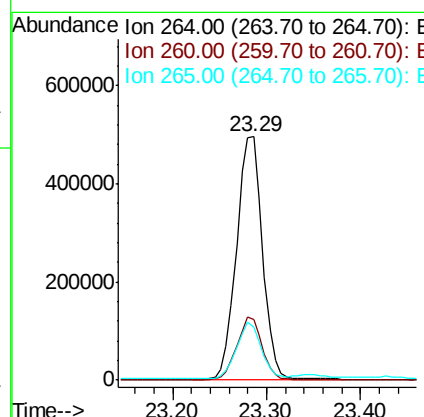
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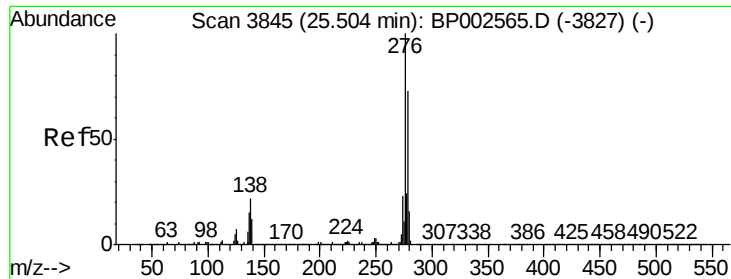
mohammad
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#86
Perylene-d12
Concen: 20.000 ng
RT: 23.29 min Scan# 3468
Delta R.T. -0.00 min
Lab File: BP002613.D
Acq: 01 Jul 2020 20:12

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.7	29.5
265	21.7	17.6	26.4





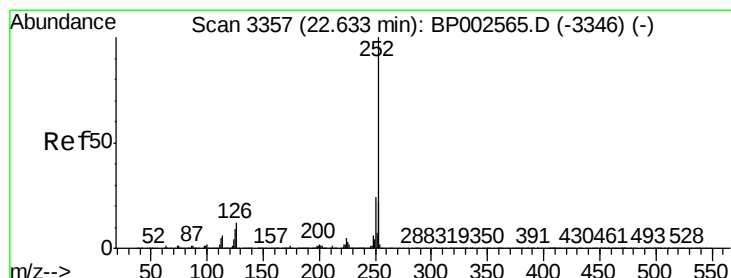
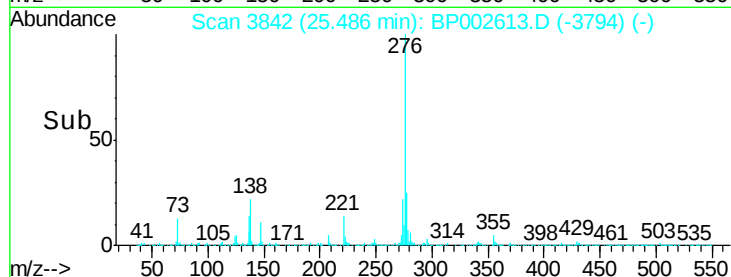
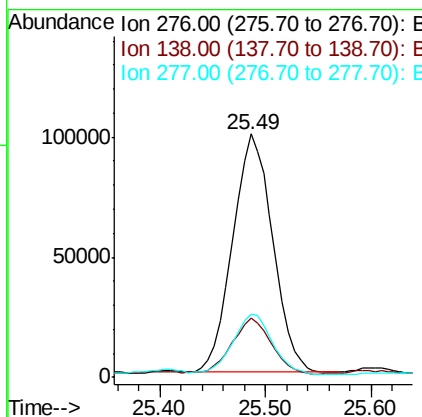
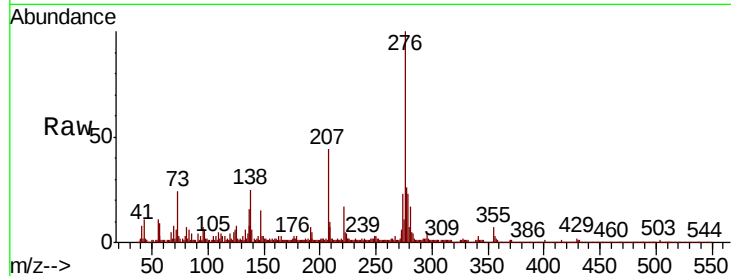
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.821 ng
 RT: 25.49 min Scan# 3842
 Delta R.T. -0.02 min
 Lab File: BP002613.D
 Acq: 01 Jul 2020 20:12

Instrument :
 BNA_P
 ClientSampleID :
 GL-SP

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.0	18.6	27.8
277	24.8	20.1	30.1

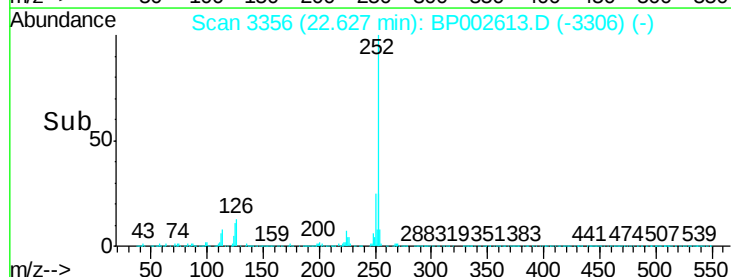
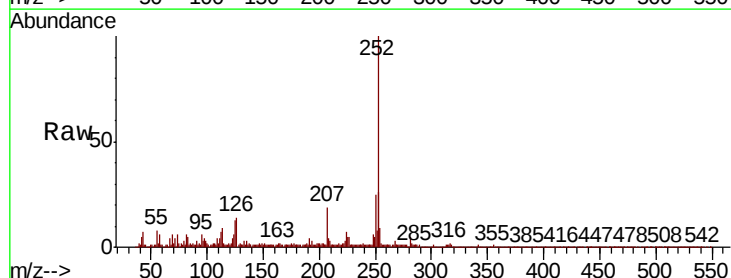
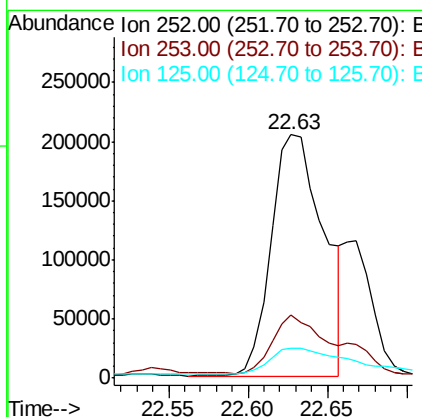
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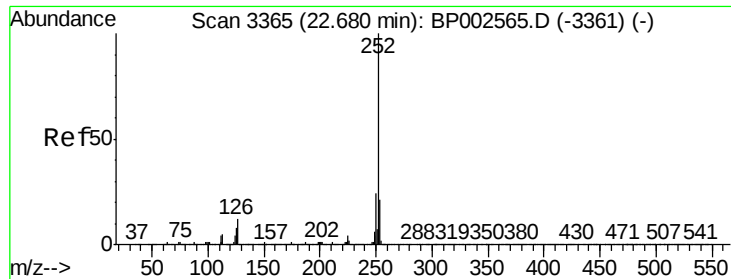
mohammad
 7/7/2020 8:23:15 AM



#88
 Benzo(b)fluoranthene
 Concen: 7.759 ng m
 RT: 22.63 min Scan# 3356
 Delta R.T. -0.01 min
 Lab File: BP002613.D
 Acq: 01 Jul 2020 20:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.7	26.5
125	12.5	7.4	11.2





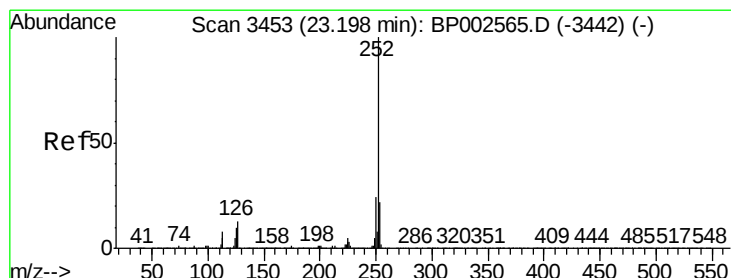
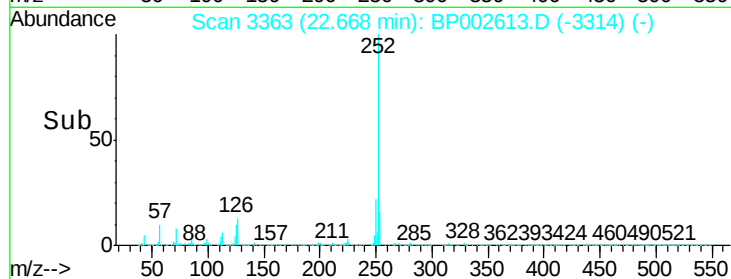
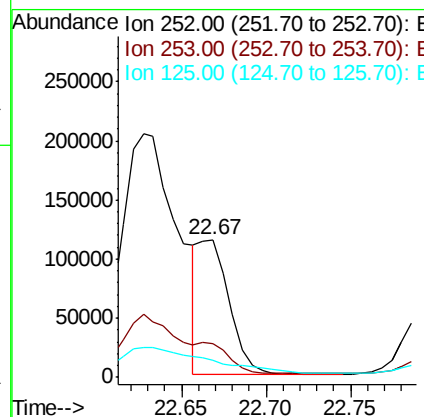
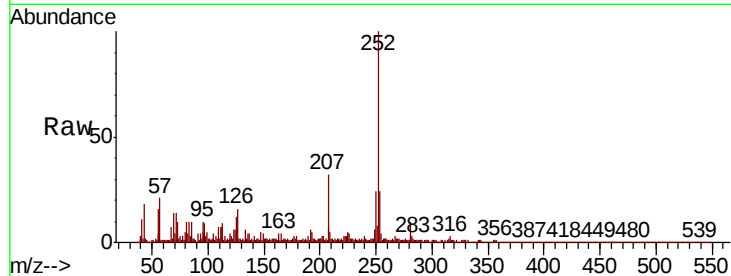
#89
Benzo(k)fluoranthene
Concen: 2.517 ng m
RT: 22.67 min Scan# 3363
Delta R.T. -0.01 min
Lab File: BP002613.D
Acq: 01 Jul 2020 20:12

Instrument :
BNA_P
ClientSampled :
GL-SP

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.4	26.0
125	12.4	6.9	10.3

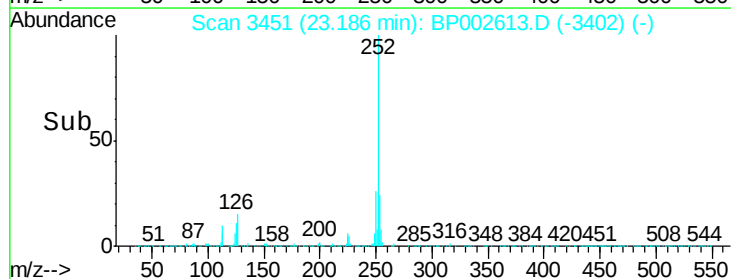
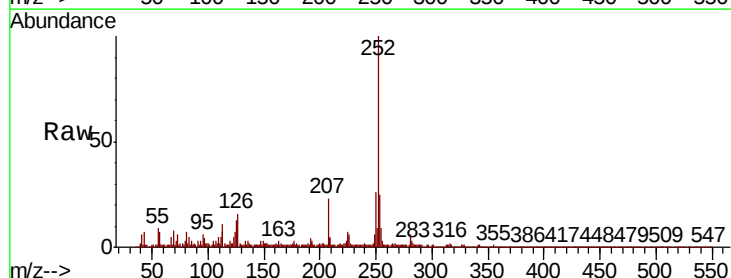
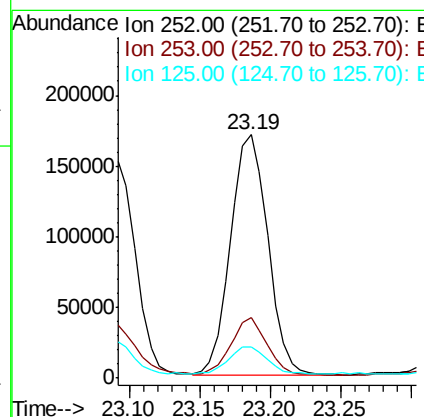
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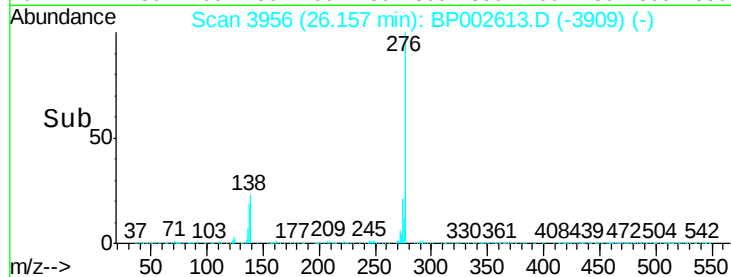
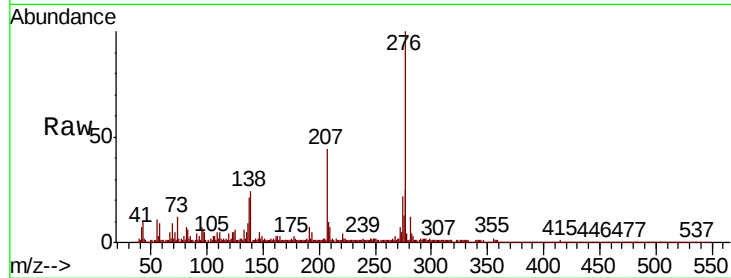
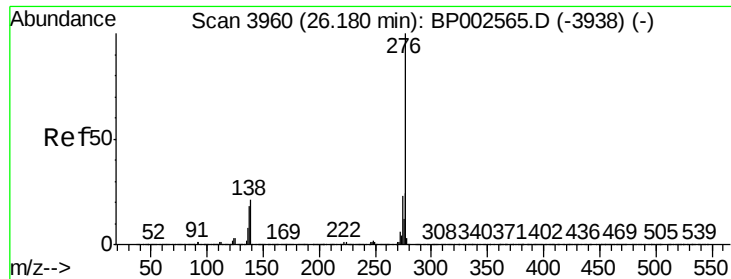
mohammad
7/7/2020 8:23:15 AM



#90
Benzo(a)pyrene
Concen: 5.670 ng
RT: 23.19 min Scan# 3451
Delta R.T. -0.01 min
Lab File: BP002613.D
Acq: 01 Jul 2020 20:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.8	26.6
125	12.7	7.8	11.8





#92
 Benzo(a,h,i)perylene
 Concen: 4.970 ng
 RT: 26.16 min Scan# 3956
 Delta R.T. -0.02 min
 Lab File: BP002613.D
 Acq: 01 Jul 2020 20:12

Instrument :
 BNA_P
 ClientSampleId :
 GL-SP

Tot Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	24.9	19.3	28.9
138	24.4	16.9	25.3

Manual Integrations
 APPROVED

mohammad
 7/7/2020 8:23:15 AM

