

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP052920\
 Data File : BP002317.D
 Acq On : 29 May 2020 16:20
 Operator : CG/JU
 Sample : L2776-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleID :
 351

Manual Integrations
 APPROVED

mohammad
 6/1/2020 12:24:17 PM

Quant Time: May 29 16:54:37 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP052720.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 29 15:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	252946	20.00	ng	0.00
21) Naphthalene-d8	10.37	136	1057668	20.00	ng	0.00
39) Acenaphthene-d10	14.25	164	641633	20.00	ng	0.00
64) Phenanthrene-d10	17.00	188	1387276	20.00	ng	0.00
76) Chrysene-d12	21.11	240	1365968	20.00	ng	0.00
86) Perylene-d12	23.32	264	1504939	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	1569633	116.55	ng	0.00
7) Phenol-d6	6.79	99	2188553	119.46	ng	0.00
23) Nitrobenzene-d5	8.75	82	1467352	83.41	ng	0.00
42) 2,4,6-Tribromophenol	15.75	330	750098	123.35	ng	0.00
45) 2-Fluorobiphenyl	12.87	172	3083213	84.79	ng	0.00
79) Terphenyl-d14	19.60	244	4356173	77.23	ng	0.00
Target Compounds						
31) Naphthalene	10.43	128	132207	2.665	ng	Qvalue 100
37) 2-Methylnaphthalene	12.05	142	293503	8.439	ng	96
38) 1-Methylnaphthalene	12.27	142	194937	5.904	ng	95
46) 1,1'-Biphenyl	13.07	154	181211	4.310	ng	98
50) Dimethylphthalate	13.71	163	764944	17.613	ng	100
52) Acenaphthene	14.32	154	890587	25.186	ng	98
55) Dibenzofuran	14.65	168	592291	11.328	ng	98
58) Fluorene	15.30	166	667573	17.215	ng	97
71) Phenanthrene	17.05	178	2591493	39.438	ng	100
72) Anthracene	17.14	178	359931	5.567	ng	100
75) Fluoranthene	19.03	202	3237449	42.775	ng	100
78) Pylene	19.38	202	2339725	27.507	ng	99
81) Benzo(a)anthracene	21.09	228	596071	7.623	ng	99
83) Chrysene	21.14	228	623591	8.310	ng	99
88) Benzo(b)fluoranthene	22.65	252	441362	5.379	ng	# 96
89) Benzo(k)fluoranthene	22.69	252	159151m	2.021	ng	
90) Benzo(a)pyrene	23.22	252	176298	2.316	ng	98

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

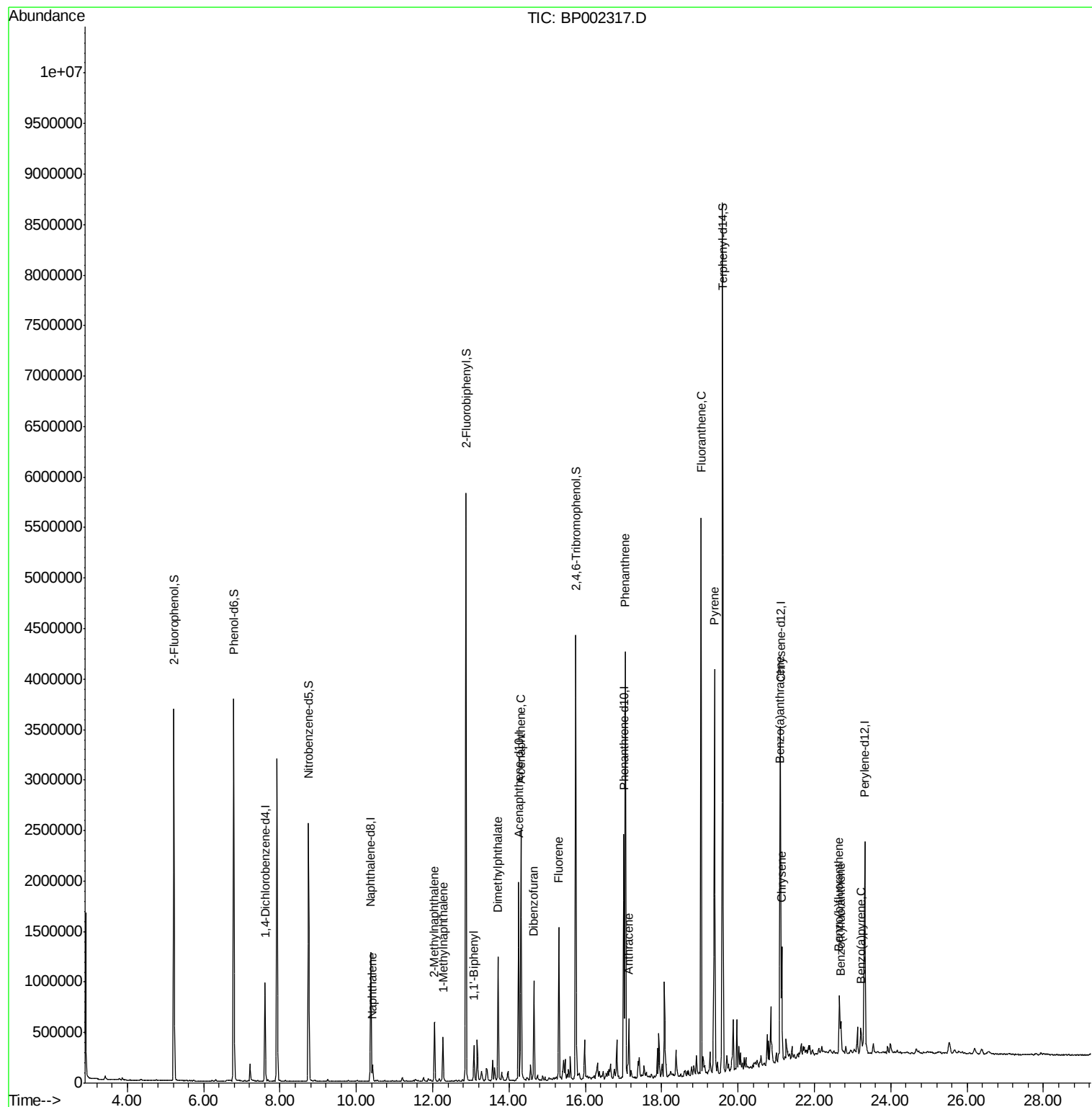
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP052920\
Data File : BP002317.D
Acq On : 29 May 2020 16:20
Operator : CG/JU
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Misc :
ALS Vial : 5 Sample Multiplier: 1

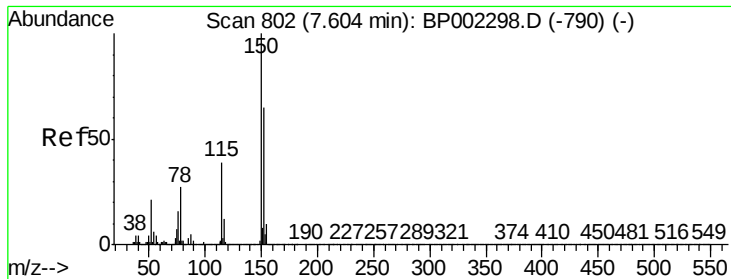
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP052720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 29 15:09:03 2020
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#1

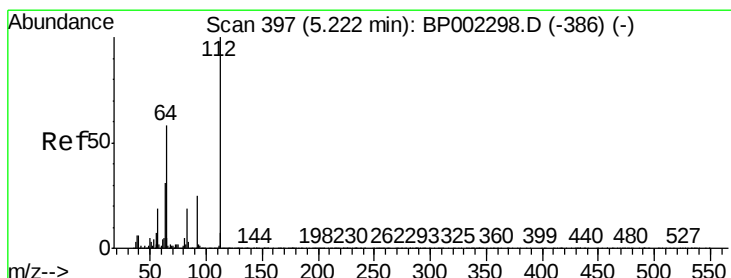
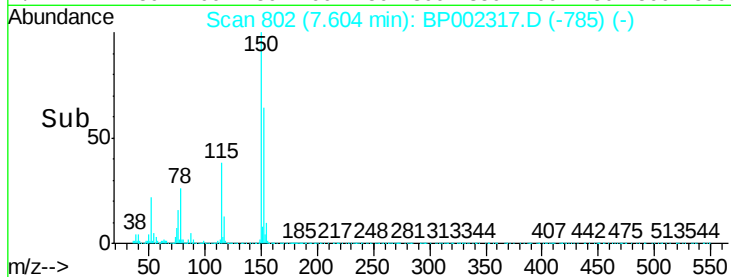
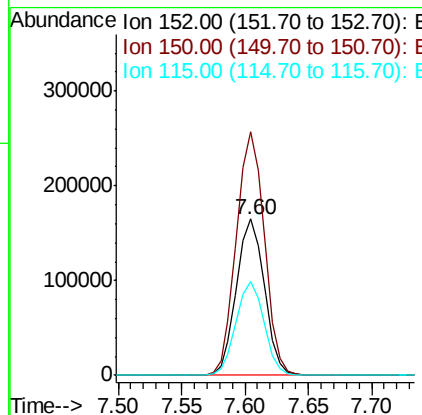
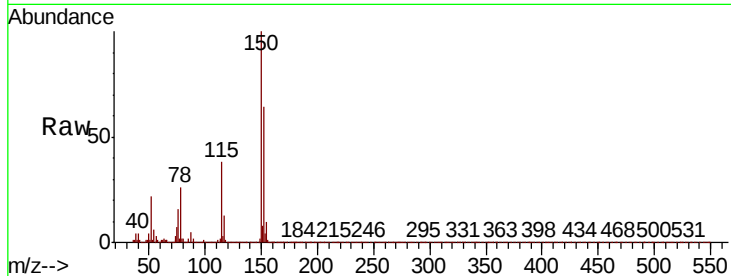
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.60 min Scan# 802
Delta R.T. -0.00 min
Lab File: BP002317.D
Acq: 29 May 2020 16:20

Instrument :
BNA_P
ClientSampleId :
351

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	124.7	187.1
115	59.9	49.4	74.2

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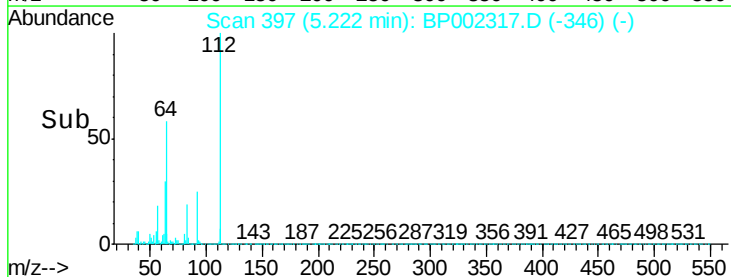
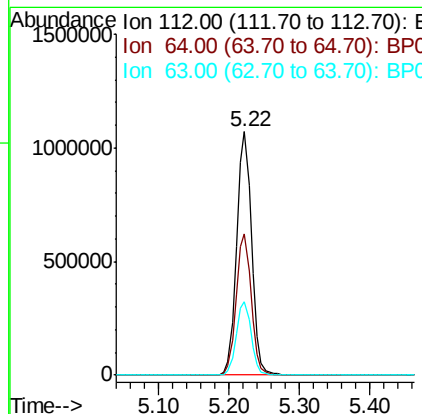
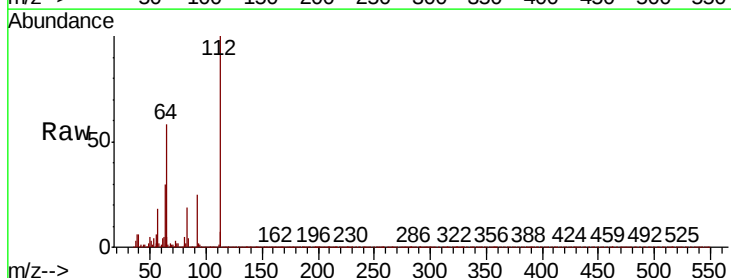
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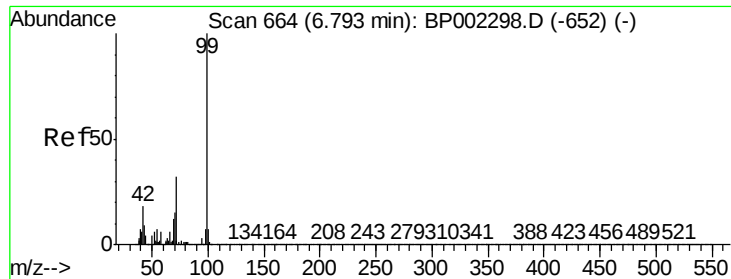


#5

2-Fluorophenol
Concen: 116.546 ng
RT: 5.22 min Scan# 397
Delta R.T. -0.00 min
Lab File: BP002317.D
Acq: 29 May 2020 16:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.8	47.0	70.4
63	30.3	24.0	36.0





#7

Phenol-d6

Concen: 119.457 ng

RT: 6.79 min Scan# 663

Delta R.T. -0.01 min

Lab File: BP002317.D

Acq: 29 May 2020 16:20

Instrument :

BNA_P

ClientSampleId :

351

Tot Ion: 99 Resp: 2188553

Ion Ratio Lower Upper

99 100

42 18.1 13.9 20.9

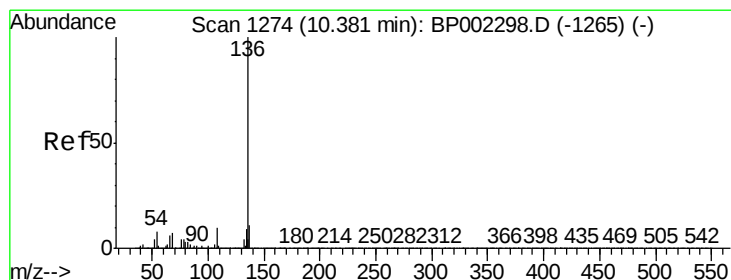
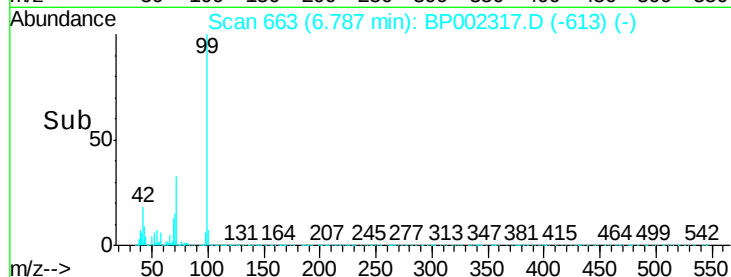
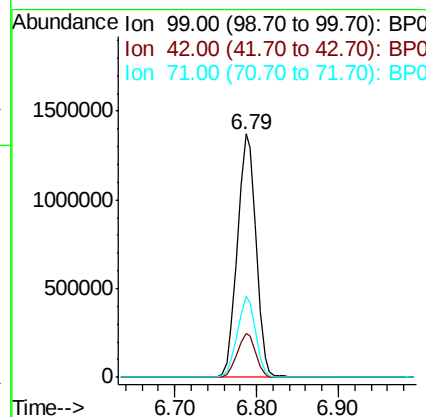
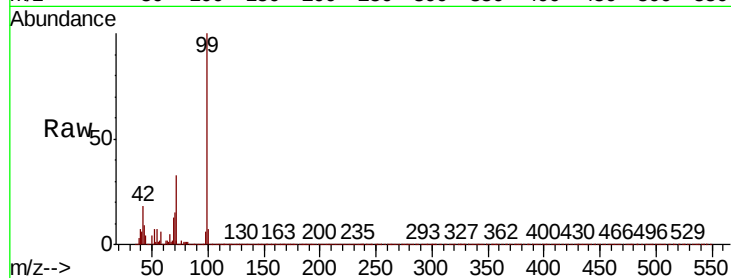
71 33.3 25.8 38.8

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.37 min Scan# 1273

Delta R.T. -0.01 min

Lab File: BP002317.D

Acq: 29 May 2020 16:20

Tgt Ion: 136 Resp: 1057668

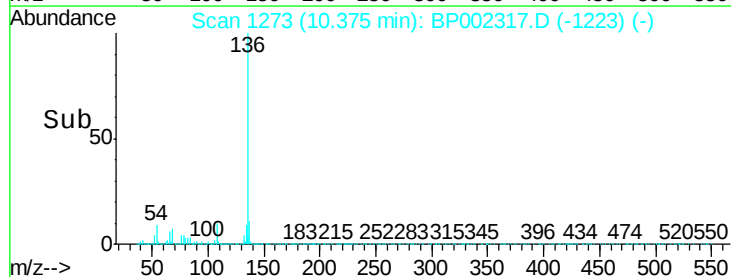
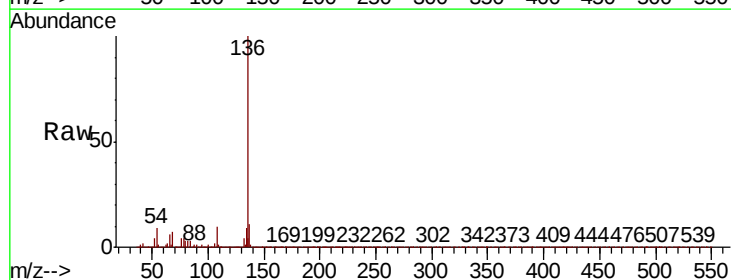
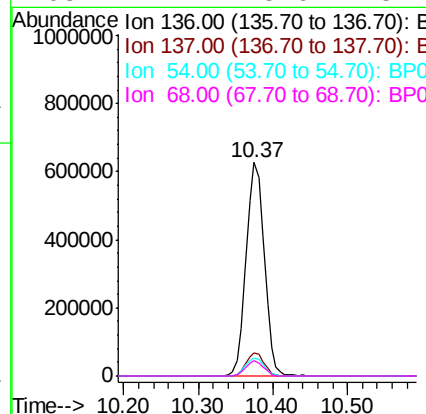
Ion Ratio Lower Upper

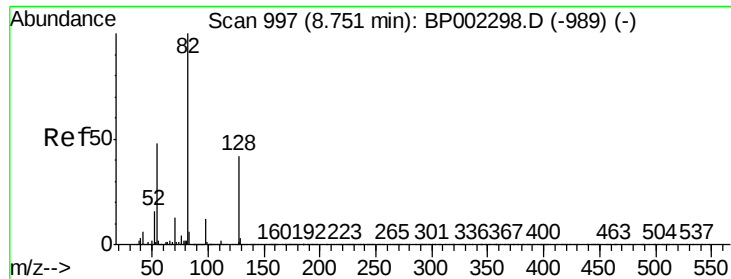
136 100

137 10.9 8.8 13.2

54 8.6 6.9 10.3

68 7.1 5.6 8.4





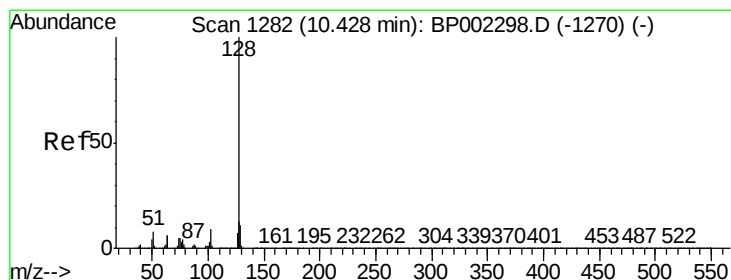
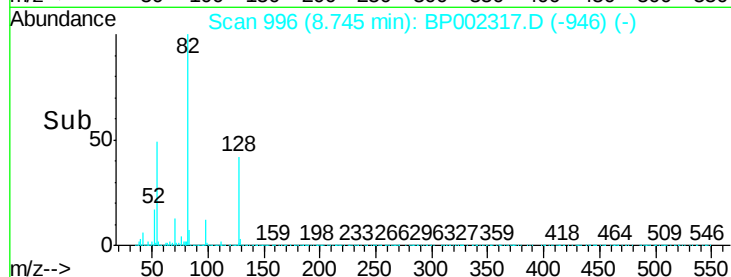
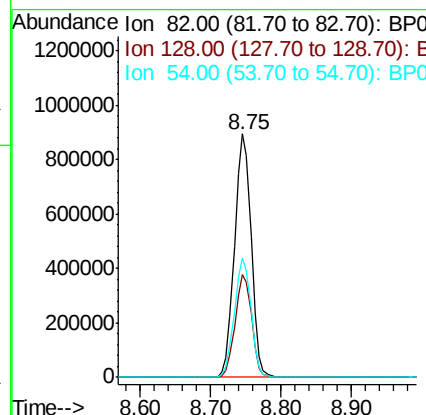
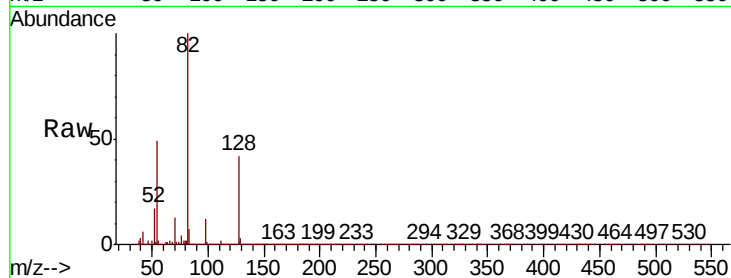
#23
Nitrobenzene-d5
Concen: 83.411 ng
RT: 8.75 min Scan# 996
Delta R.T. -0.01 min
Lab File: BP002317.D
Acq: 29 May 2020 16:20

Instrument :
BNA_P
ClientSampled :
351

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.2	33.4	50.0
54	49.2	38.3	57.5

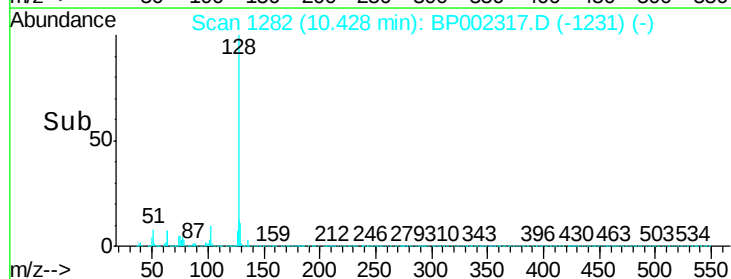
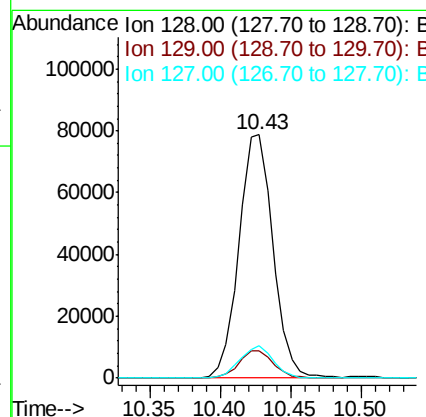
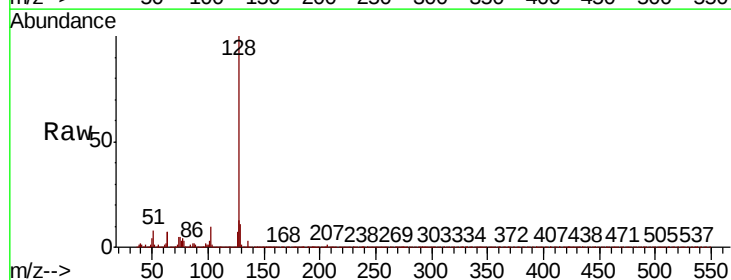
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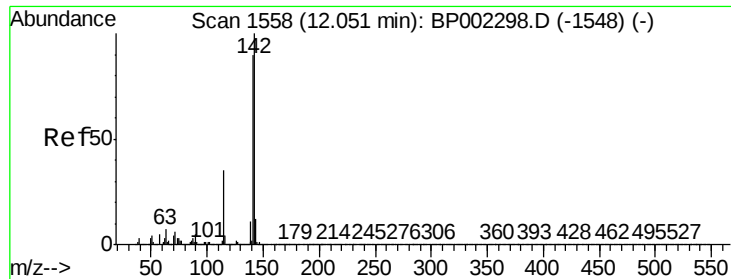
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#31
Naphthalene
Concen: 2.665 ng
RT: 10.43 min Scan# 1282
Delta R.T. -0.00 min
Lab File: BP002317.D
Acq: 29 May 2020 16:20

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.7	13.1
127	13.1	10.5	15.7





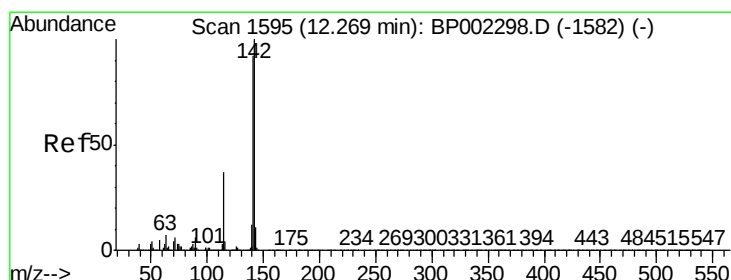
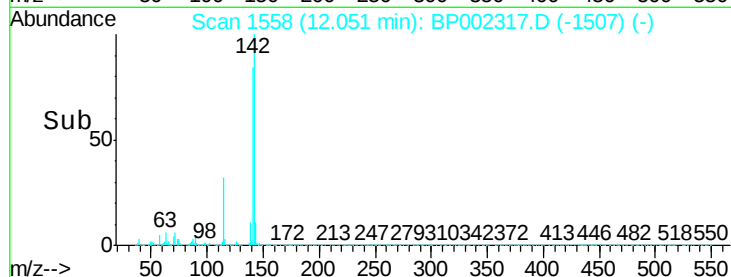
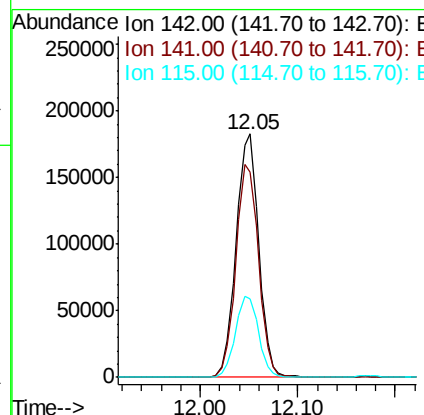
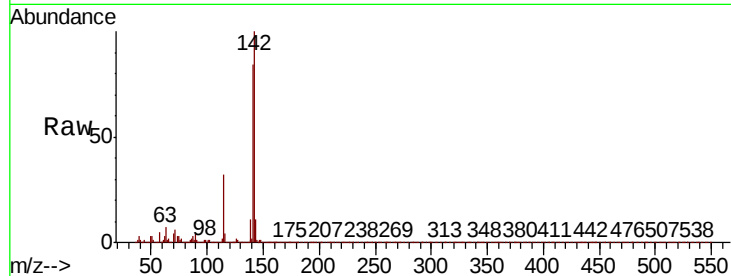
#37
2-Methylnaphthalene
Concen: 8.439 ng
RT: 12.05 min Scan# 1558
Delta R.T. -0.00 min
Lab File: BP002317.D
Acq: 29 May 2020 16:20

Instrument :
BNA_P
ClientSampled :
351

Tot Ion	Ratio	Resp	Lower	Upper
142	100	293503		
141	84.5	69.7	104.5	
115	32.1	28.1	42.1	

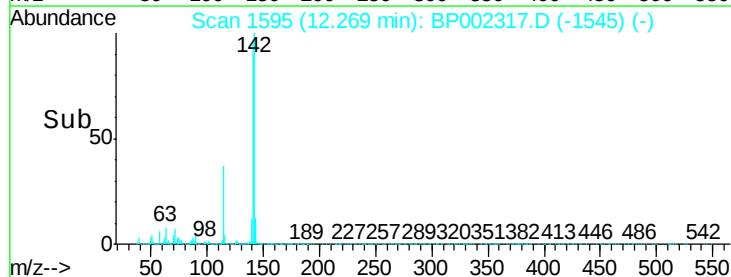
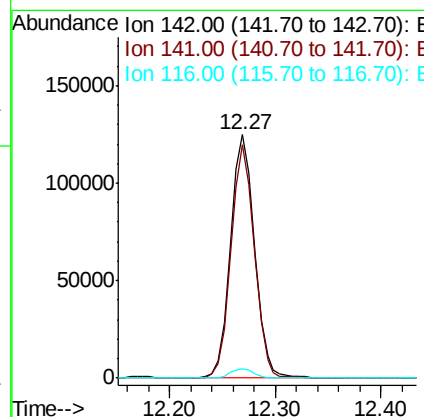
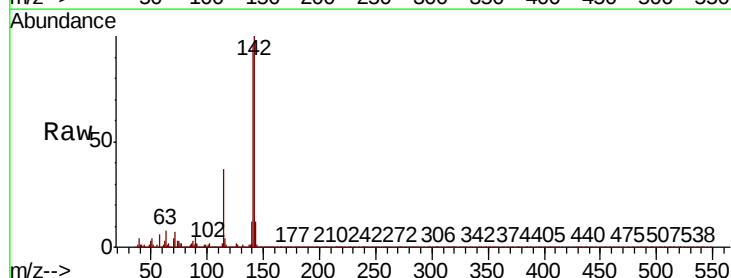
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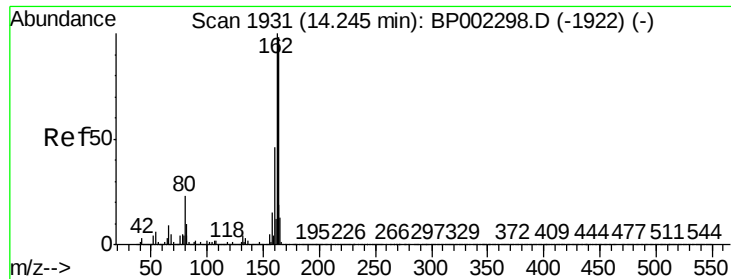
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#38
1-Methylnaphthalene
Concen: 5.904 ng
RT: 12.27 min Scan# 1595
Delta R.T. -0.01 min
Lab File: BP002317.D
Acq: 29 May 2020 16:20

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	194937		
141	96.1	72.8	109.2	
116	3.7	3.1	4.7	





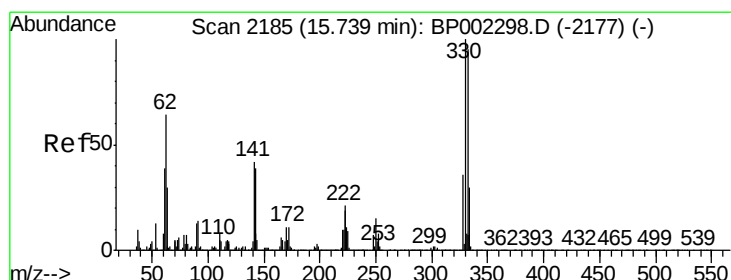
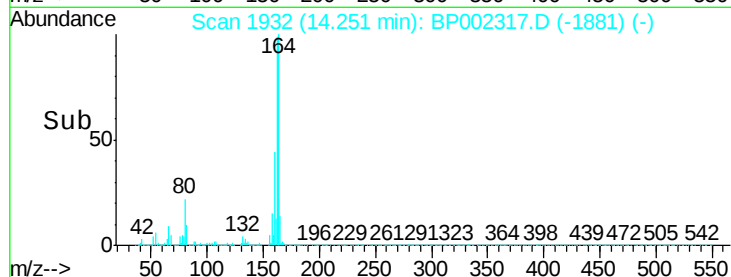
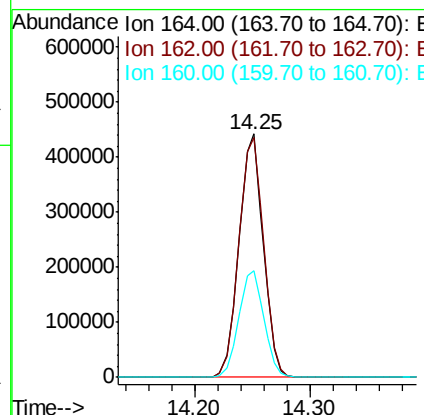
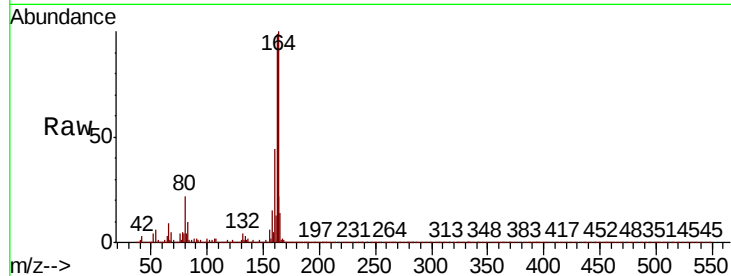
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.25 min Scan# 1932
Delta R.T. -0.00 min
Lab File: BP002317.D
Acq: 29 May 2020 16:20

Instrument :
BNA_P
ClientSampled :
351

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	98.5	81.3	121.9	
160	43.9	37.2	55.8	

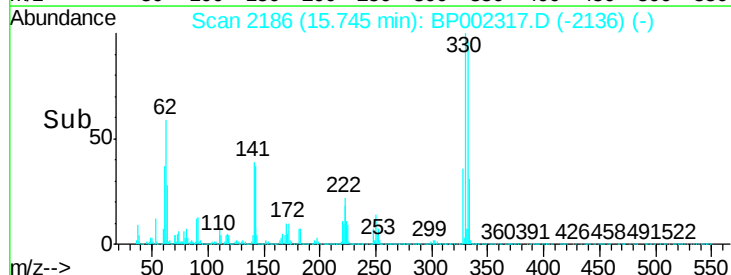
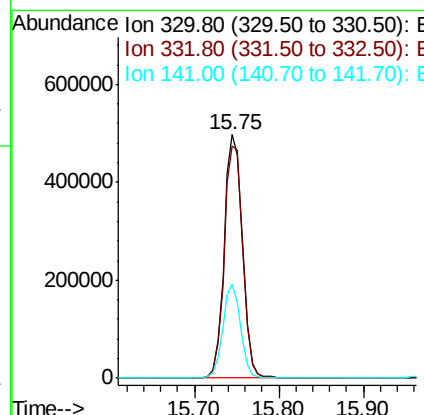
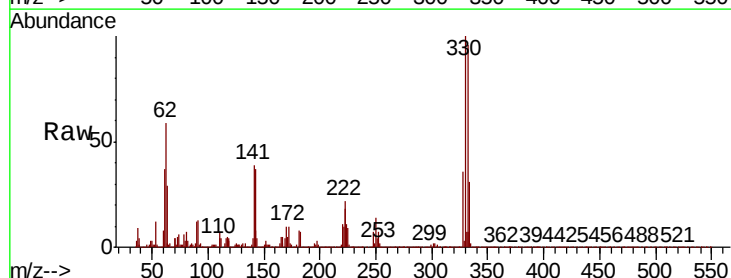
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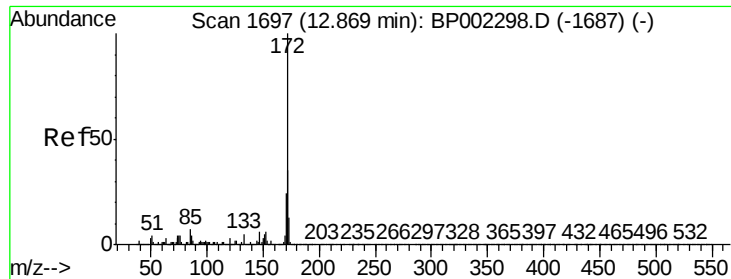
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#42
2,4,6-Tribromophenol
Concen: 123.349 ng
RT: 15.75 min Scan# 2186
Delta R.T. -0.01 min
Lab File: BP002317.D
Acq: 29 May 2020 16:20

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.0	76.9	115.3	
141	38.0	31.4	47.2	





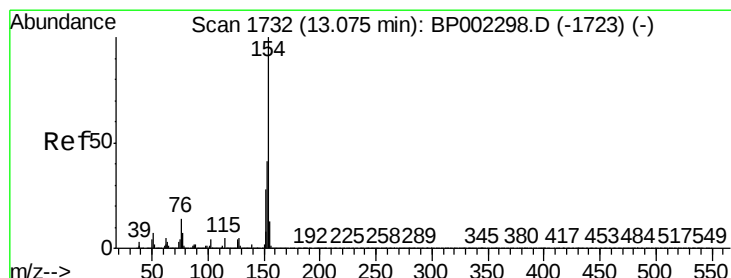
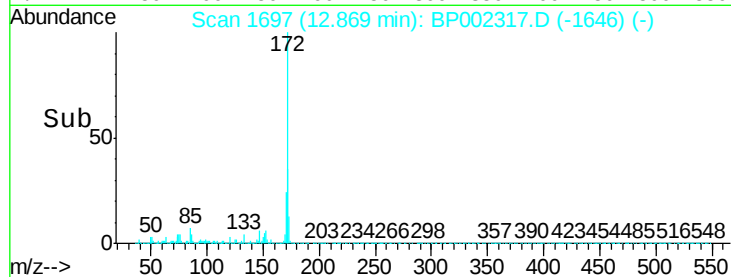
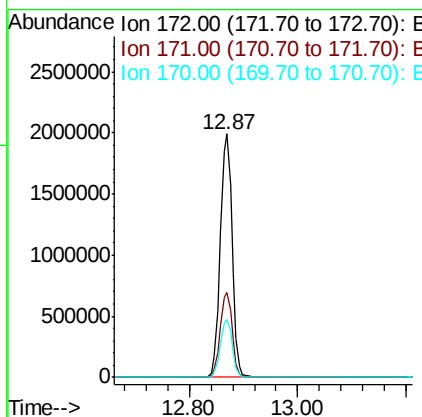
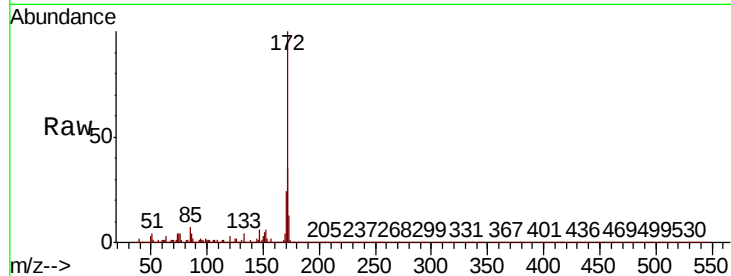
#45
2-Fluorobiphenyl
Concen: 84.790 ng
RT: 12.87 min Scan# 1697
Delta R.T. -0.00 min
Lab File: BP002317.D
Acq: 29 May 2020 16:20

Instrument :
BNA_P
ClientSampled :
351

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.6	41.4
170	24.1	18.9	28.3

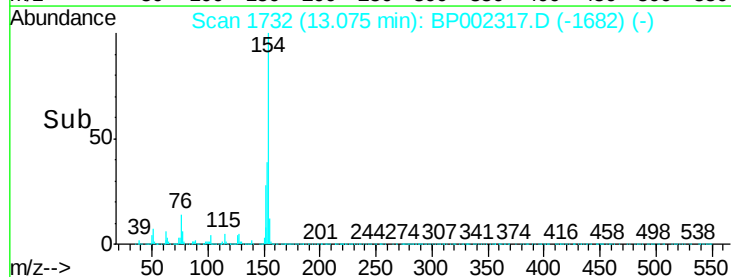
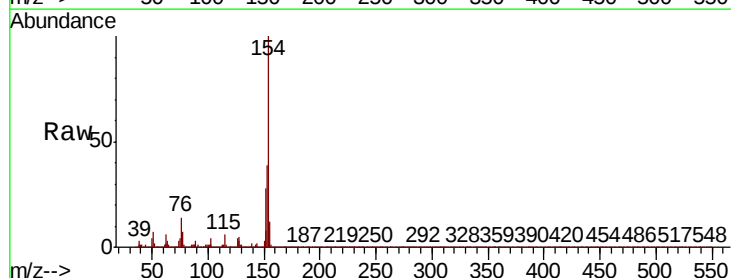
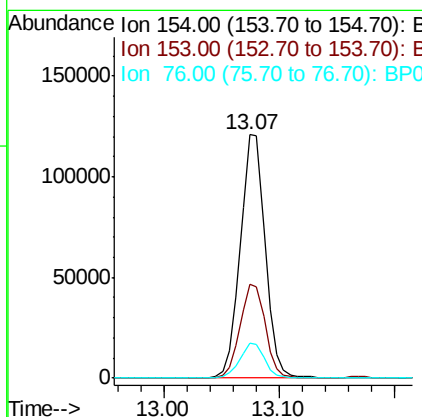
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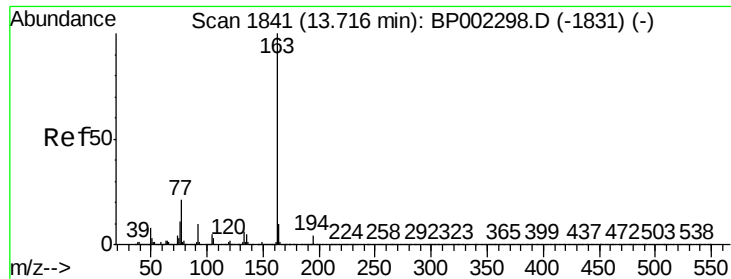
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#46
1,1'-Biphenyl
Concen: 4.310 ng
RT: 13.07 min Scan# 1732
Delta R.T. -0.01 min
Lab File: BP002317.D
Acq: 29 May 2020 16:20

Tgt Ion	Ratio	Lower	Upper
154	100		
153	38.6	20.1	60.1
76	14.4	0.0	34.4





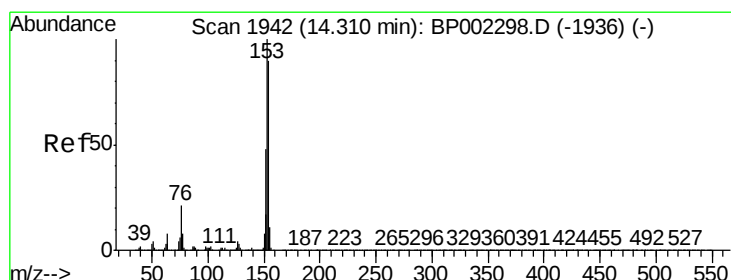
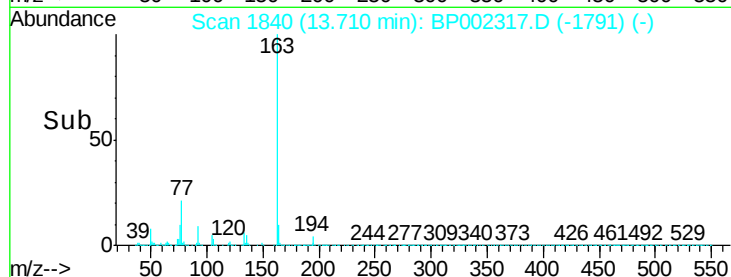
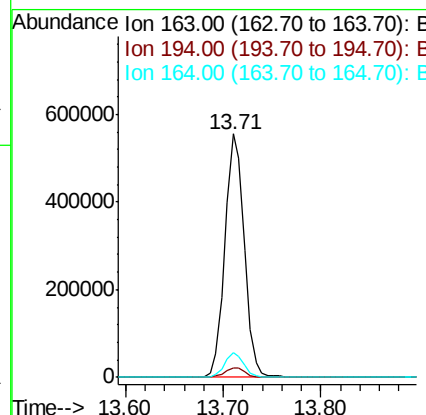
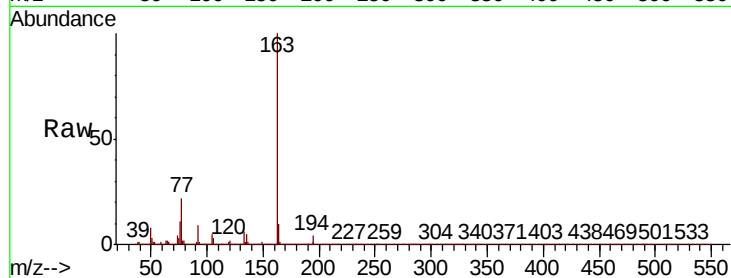
#50
Dimethylphthalate
Concen: 17.613 ng
RT: 13.71 min Scan# 1840
Delta R.T. -0.01 min
Lab File: BP002317.D
Acq: 29 May 2020 16:20

Instrument :
BNA_P
ClientSampleId :
351

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.2	4.8
164	10.2	8.1	12.1

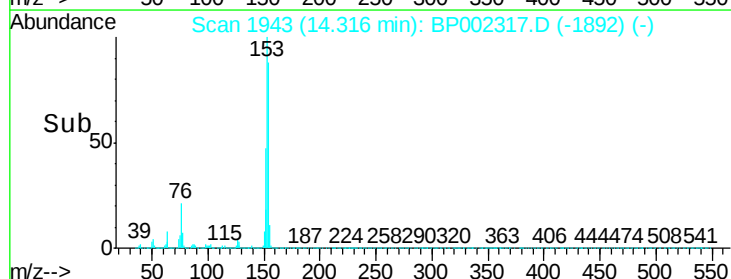
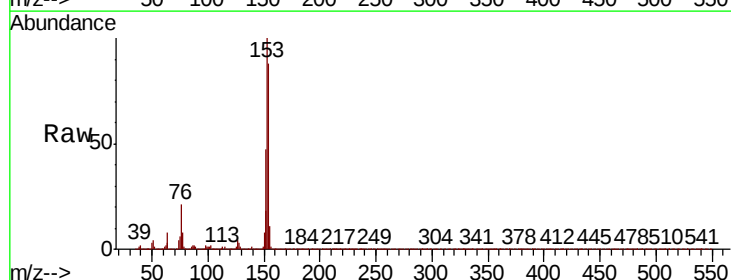
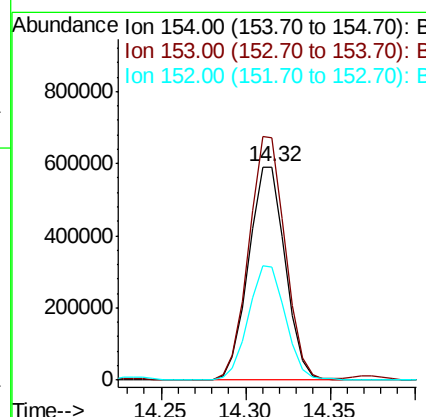
Manual Integrations
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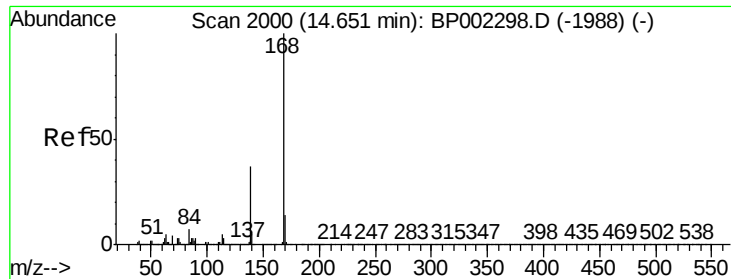
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#52
Acenaphthene
Concen: 25.186 ng
RT: 14.32 min Scan# 1943
Delta R.T. -0.00 min
Lab File: BP002317.D
Acq: 29 May 2020 16:20

Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.5	89.7	134.5
152	53.0	44.0	66.0





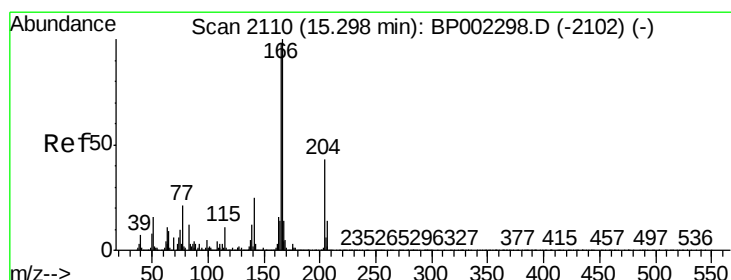
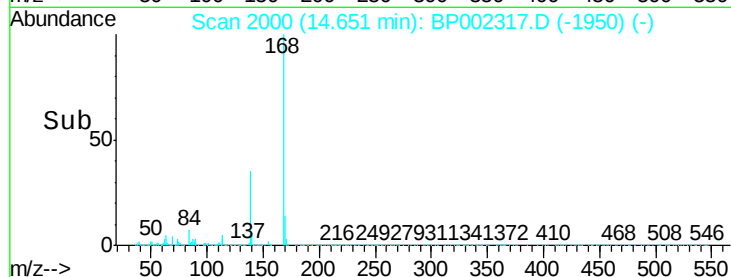
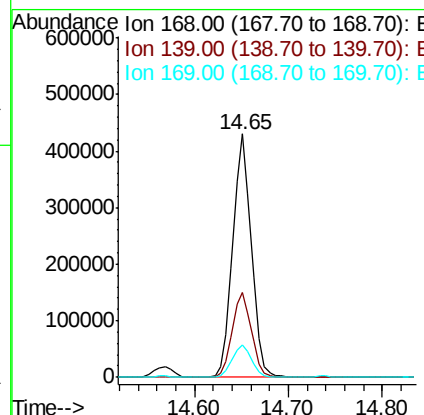
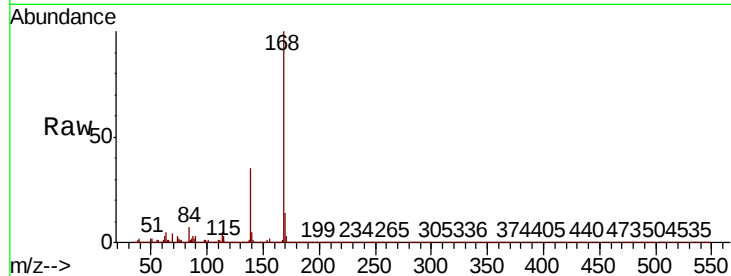
#55
Dibenzenofuran
Concen: 11.328 ng
RT: 14.65 min Scan# 2000
Delta R.T. -0.01 min
Lab File: BP002317.D
Acq: 29 May 2020 16:20

Instrument :
BNA_P
ClientSampled :
351

Tot Ion	Ratio	Lower	Upper
168	100		
139	34.9	28.9	43.3
169	13.6	10.6	16.0

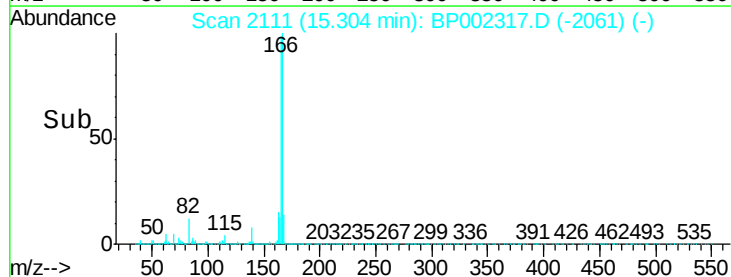
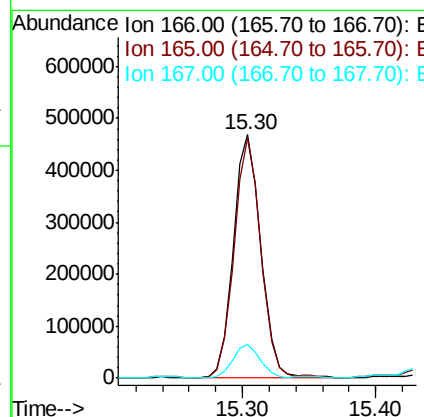
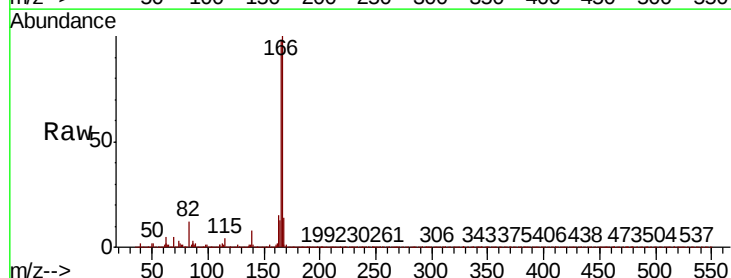
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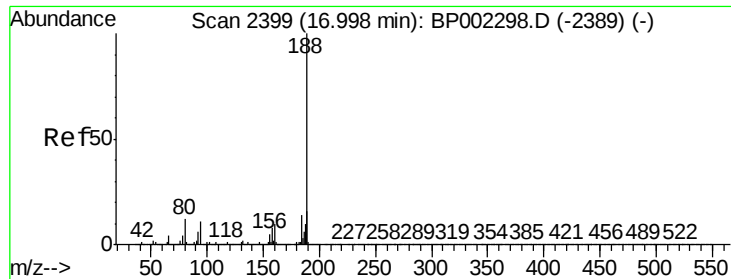
mohammad
6/1/2020 12:24:17 PM



#58
Fluorene
Concen: 17.215 ng
RT: 15.30 min Scan# 2111
Delta R.T. -0.01 min
Lab File: BP002317.D
Acq: 29 May 2020 16:20

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.4	75.8	113.8
167	13.7	10.6	16.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.00 min Scan# 2400

Delta R.T. -0.01 min

Lab File: BP002317.D

Acq: 29 May 2020 16:20

Instrument :

BNA_P

ClientSampled :

351

Tot Ion:188 Resp: 1387276

Ion Ratio Lower Upper

188 100

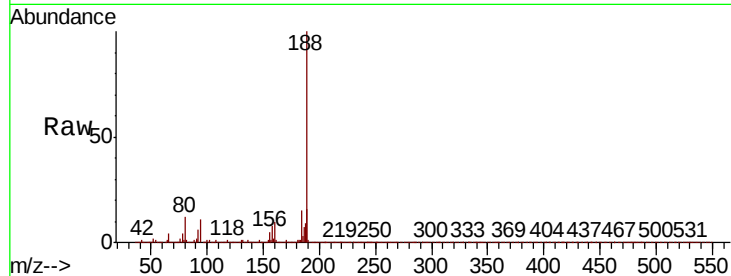
94 11.1 8.7 13.1

80 11.7 9.3 13.9

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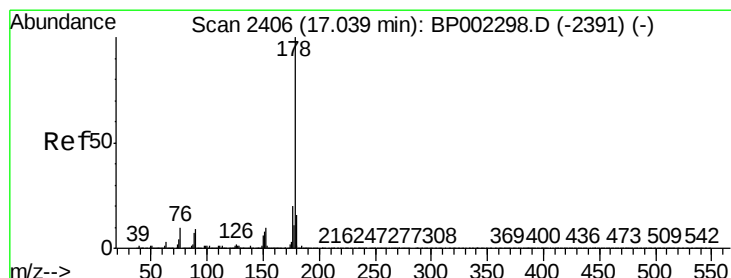
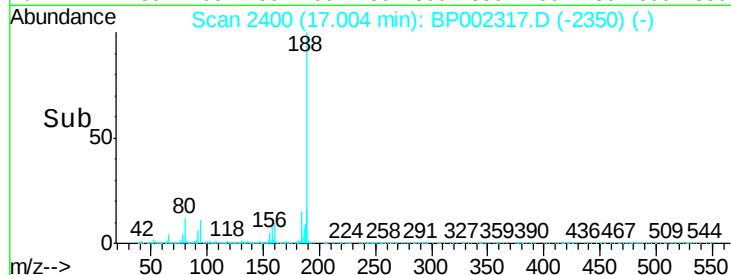
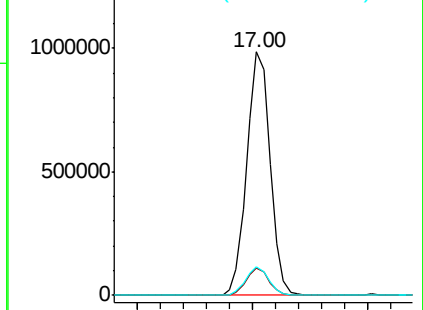
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0



#71

Phenanthrene

Concen: 39.438 ng

RT: 17.05 min Scan# 2407

Delta R.T. -0.01 min

Lab File: BP002317.D

Acq: 29 May 2020 16:20

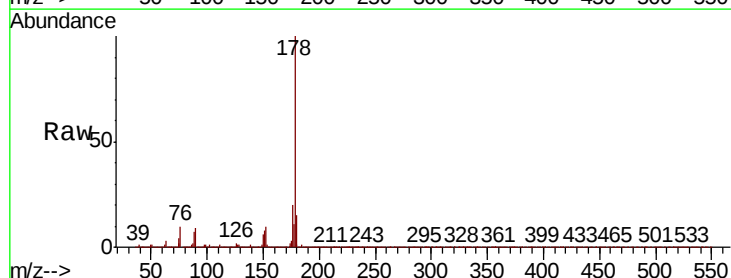
Tgt Ion:178 Resp: 2591493

Ion Ratio Lower Upper

178 100

176 19.8 15.8 23.8

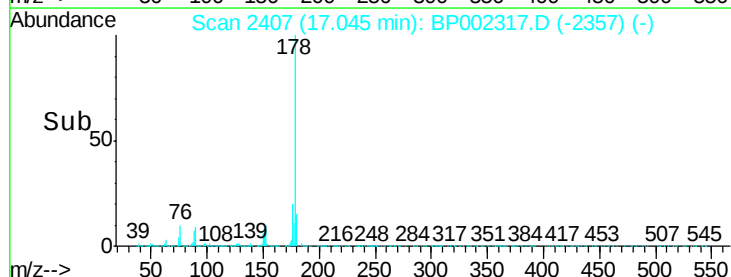
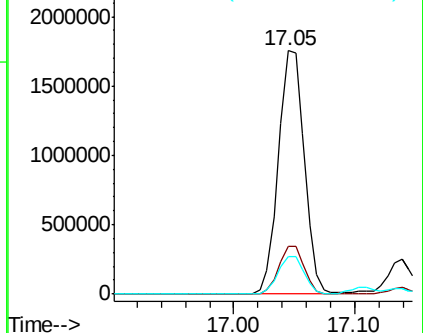
179 15.3 12.6 18.8

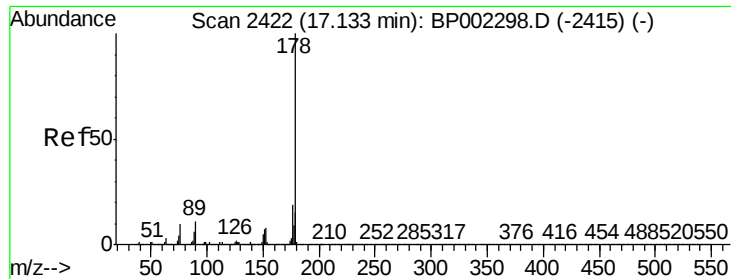


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 5.567 ng

RT: 17.14 min Scan# 2423

Delta R.T. -0.01 min

Lab File: BP002317.D

Acq: 29 May 2020 16:20

Instrument :

BNA_P

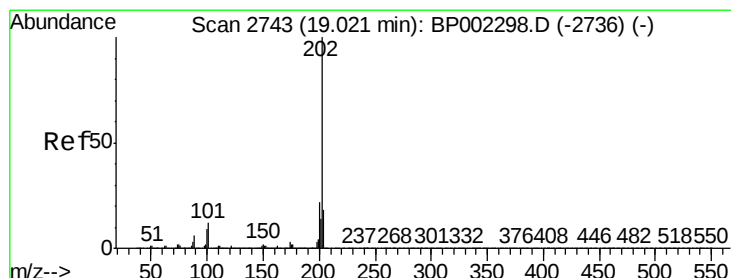
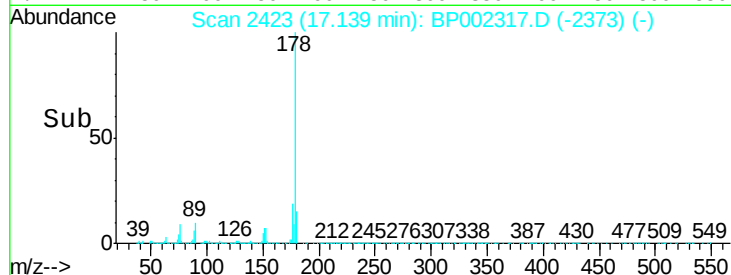
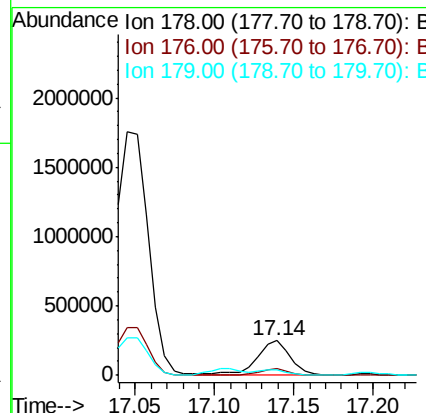
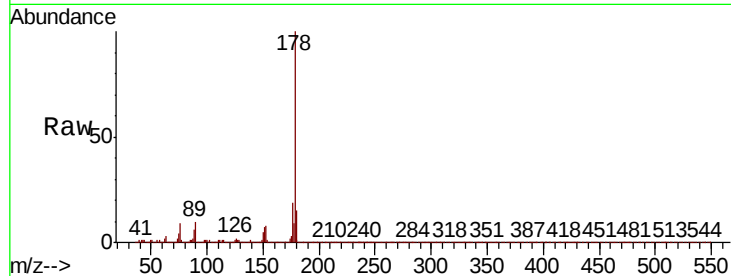
ClientSampleId :

351

Tot Ion:	178	Resp:	359931
Ion Ratio	Lower	Upper	
178	100		
176	19.0	15.2	22.8
179	15.4	12.6	19.0

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#75

Fluoranthene

Concen: 42.775 ng

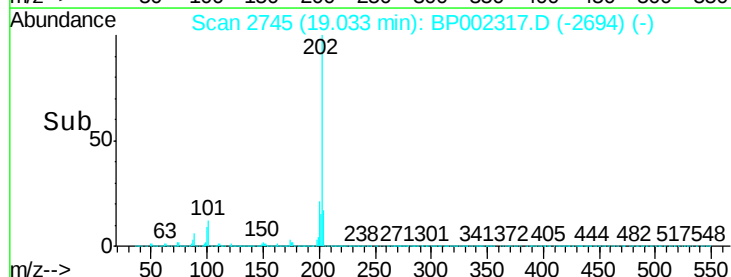
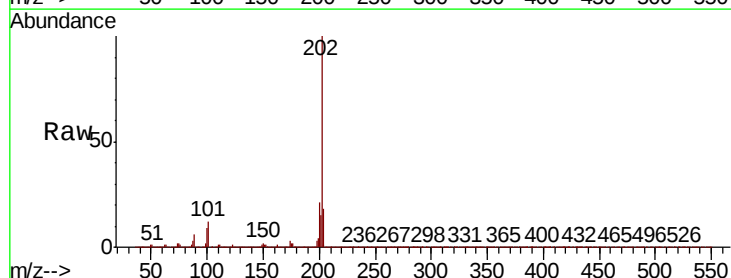
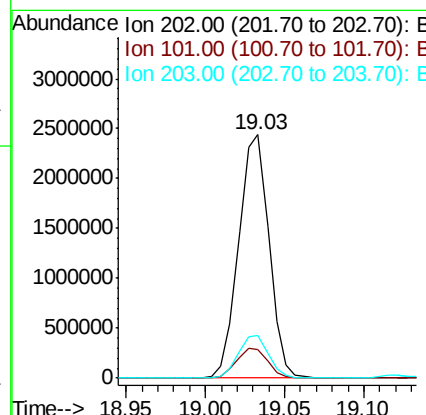
RT: 19.03 min Scan# 2745

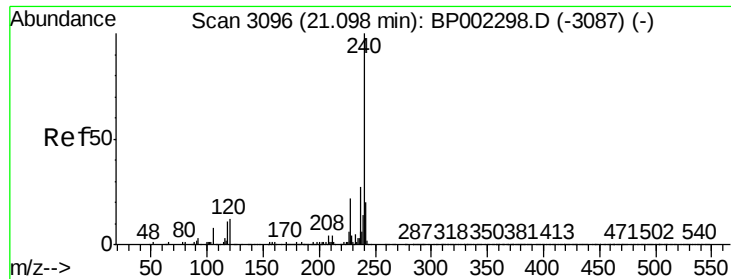
Delta R.T. -0.00 min

Lab File: BP002317.D

Acq: 29 May 2020 16:20

Tgt Ion:	202	Resp:	3237449
Ion Ratio	Lower	Upper	
202	100		
101	11.8	0.0	32.1
203	17.5	0.0	37.6





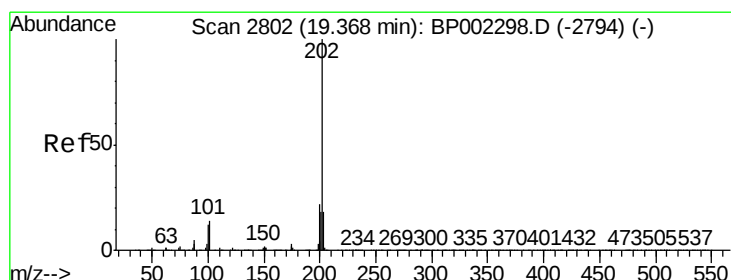
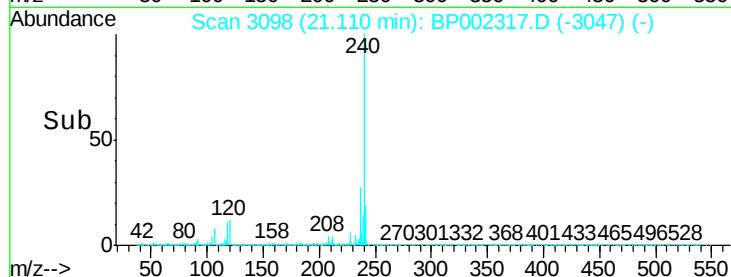
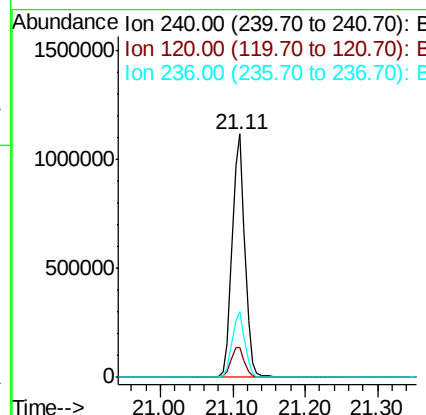
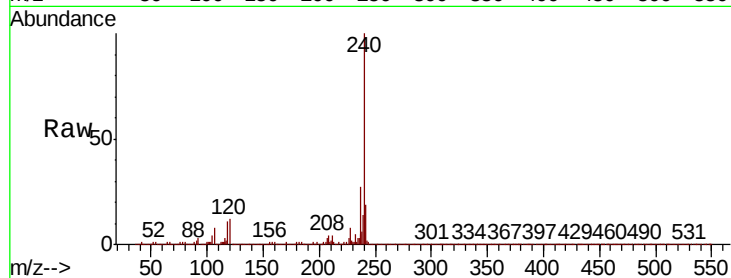
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.11 min Scan# 3098
 Delta R.T. -0.00 min
 Lab File: BP002317.D
 Acq: 29 May 2020 16:20

Instrument :
 BNA_P
 ClientSampled :
 351

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.0	8.7	13.1
236	26.9	21.0	31.4

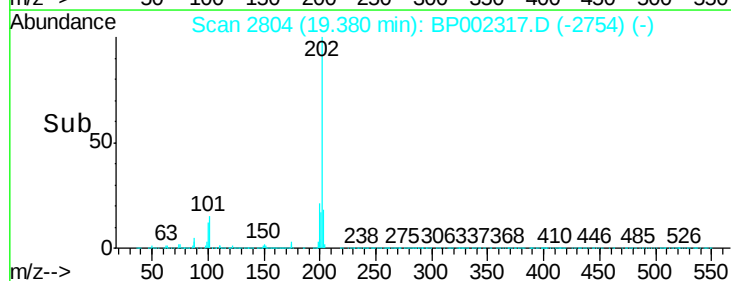
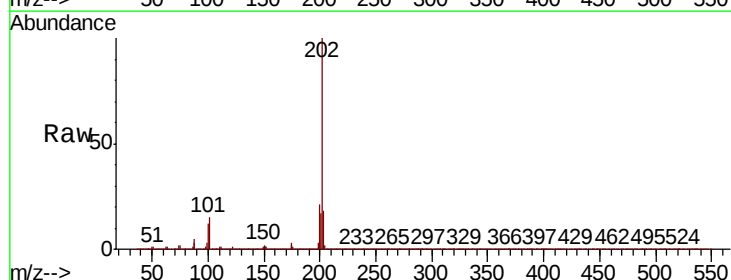
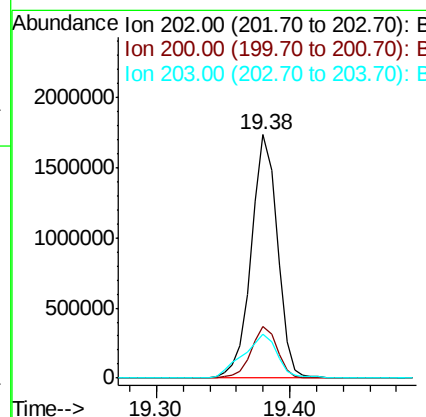
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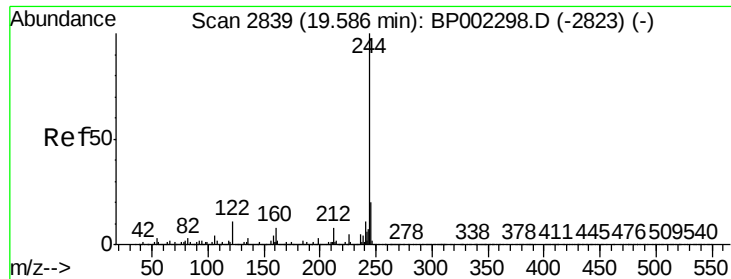
mohammad
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#78
 Pyrene
 Concen: 27.507 ng
 RT: 19.38 min Scan# 2804
 Delta R.T. -0.01 min
 Lab File: BP002317.D
 Acq: 29 May 2020 16:20

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.3	25.9
203	17.8	13.8	20.6





#79

Terphenyl-d14

Concen: 77.230 ng

RT: 19.60 min Scan# 2841

Delta R.T. -0.00 min

Lab File: BP002317.D

Acq: 29 May 2020 16:20

Instrument :

BNA_P

ClientSampleId :

351

Tot Ion:244 Resp: 4356173

Ion Ratio Lower Upper

244 100

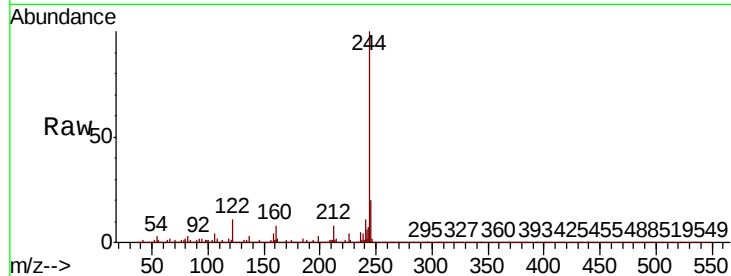
212 7.8 6.4 9.6

122 10.9 9.4 14.0

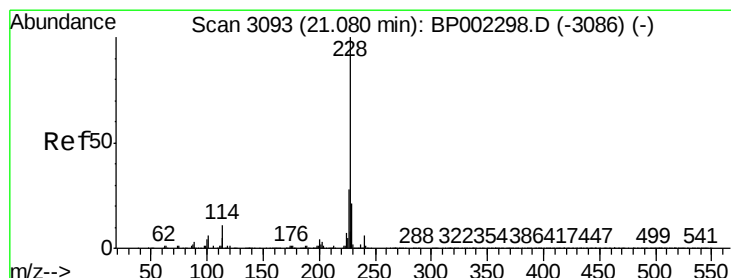
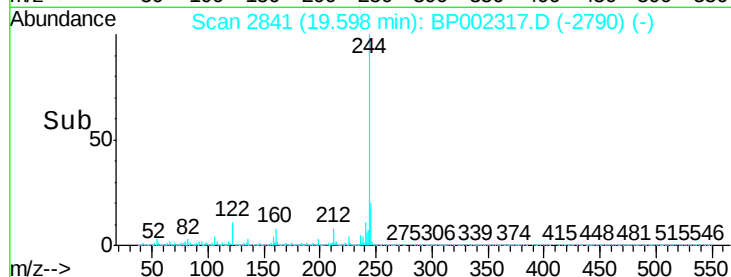
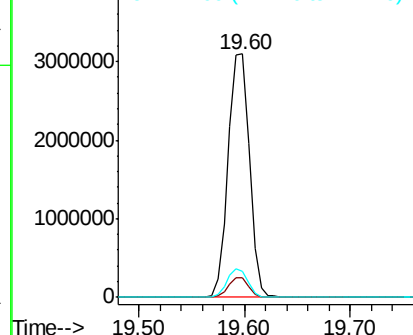
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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 7.623 ng

RT: 21.09 min Scan# 3095

Delta R.T. -0.01 min

Lab File: BP002317.D

Acq: 29 May 2020 16:20

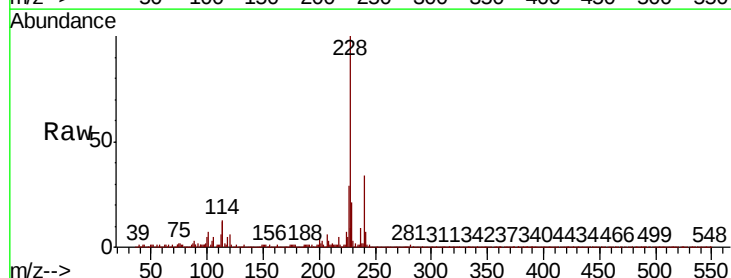
Tgt Ion:228 Resp: 596071

Ion Ratio Lower Upper

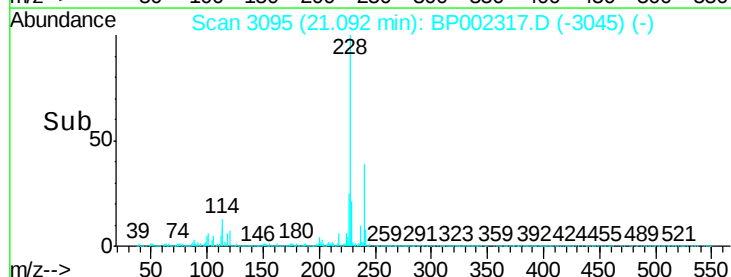
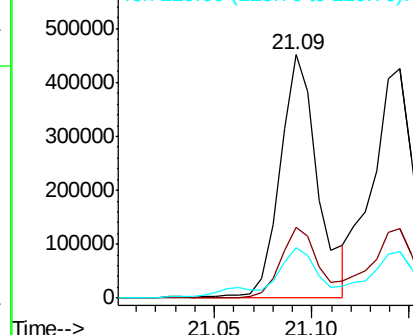
228 100

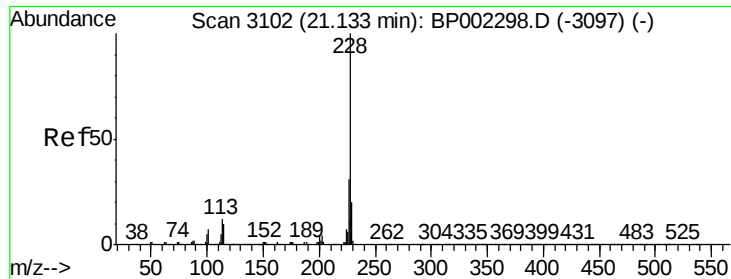
226 29.2 22.7 34.1

229 20.7 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





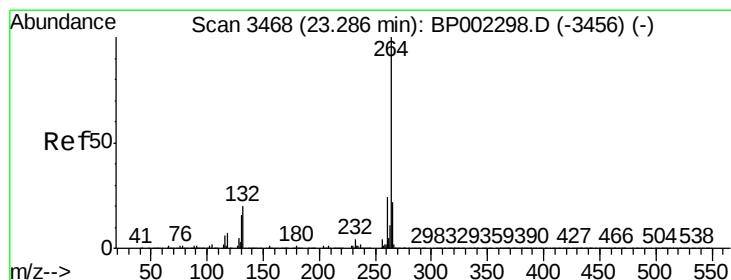
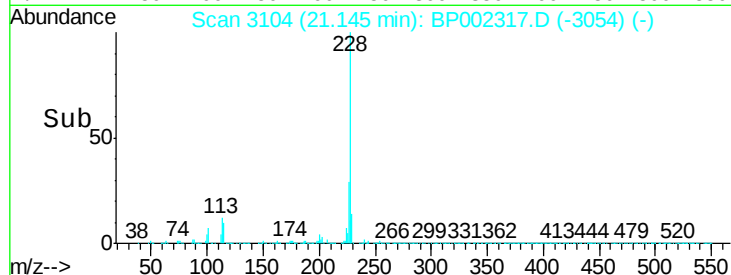
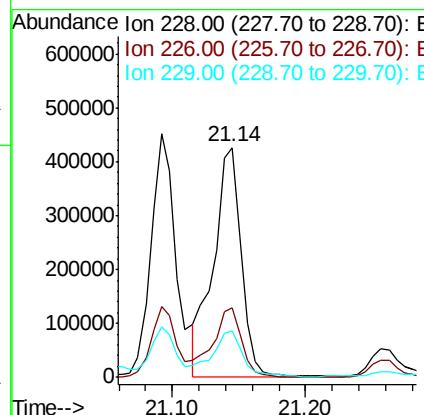
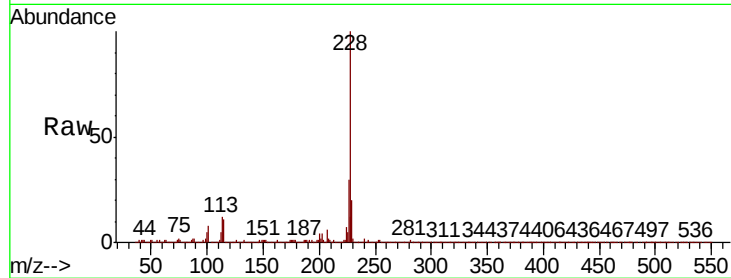
#83
Chrysene
Concen: 8.310 ng
RT: 21.14 min Scan# 3104
Delta R.T. -0.01 min
Lab File: BP002317.D
Acq: 29 May 2020 16:20

Instrument :
BNA_P
ClientSampleId :
351

Tot Ion:	228	Resp:	623591
Ion Ratio	Lower	Upper	
228	100		
226	30.5	25.0	37.6
229	20.4	16.2	24.4

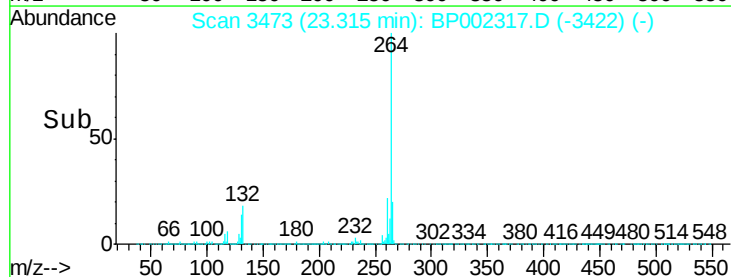
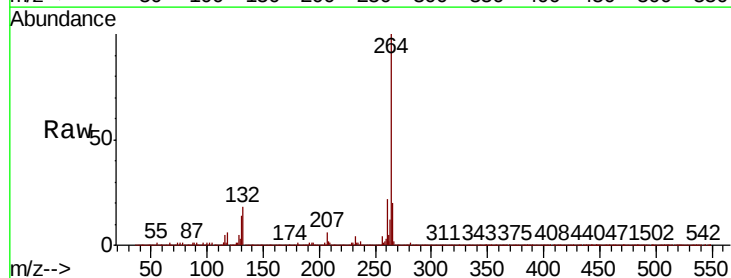
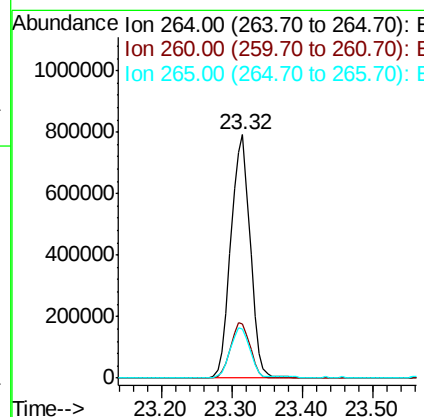
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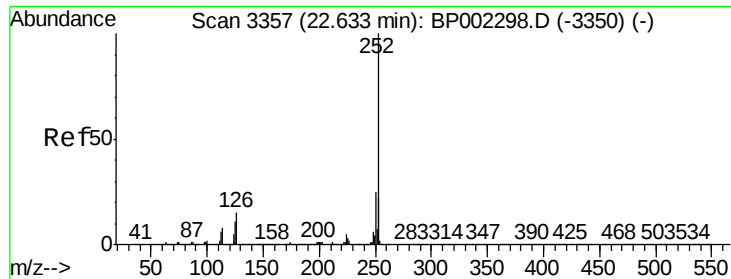
mohammad
6/1/2020 12:24:17 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.32 min Scan# 3473
Delta R.T. -0.00 min
Lab File: BP002317.D
Acq: 29 May 2020 16:20

Tgt Ion:	264	Resp:	1504939
Ion Ratio	Lower	Upper	
264	100		
260	22.3	19.4	29.2
265	20.3	17.8	26.6





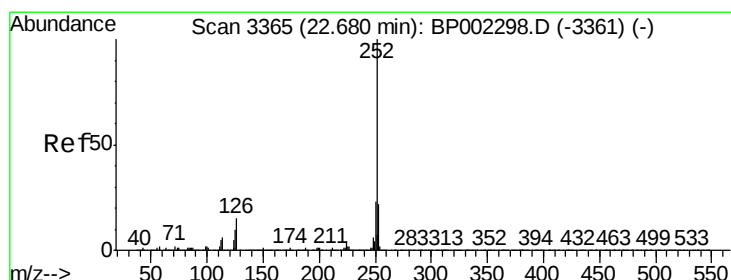
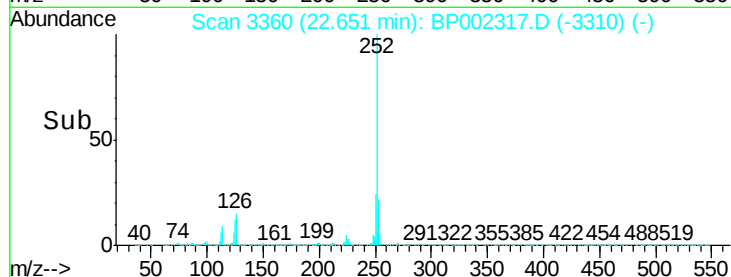
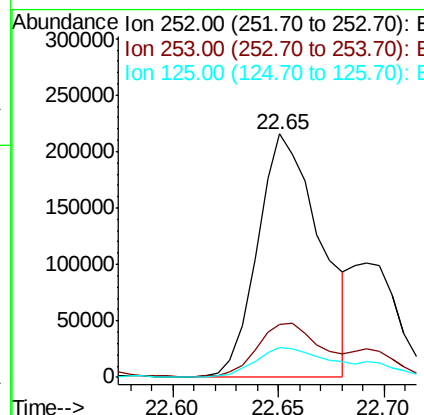
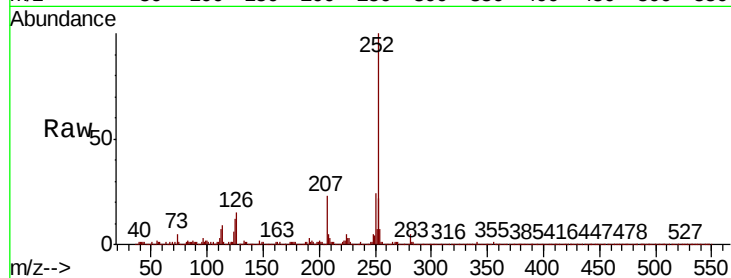
#88
Benzo(b)fluoranthene
Concen: 5.379 ng
RT: 22.65 min Scan# 3360
Delta R.T. -0.01 min
Lab File: BP002317.D
Acq: 29 May 2020 16:20

Instrument :
BNA_P
ClientSampled :
351

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.2	27.2
125	12.3	7.2	10.8

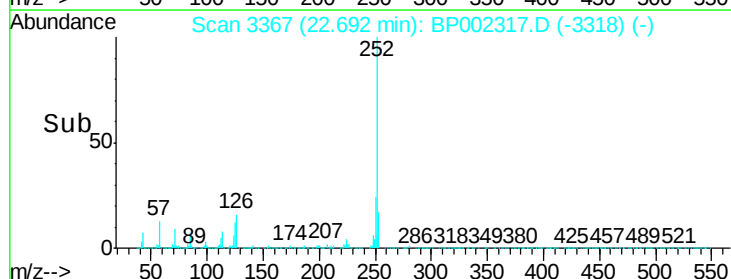
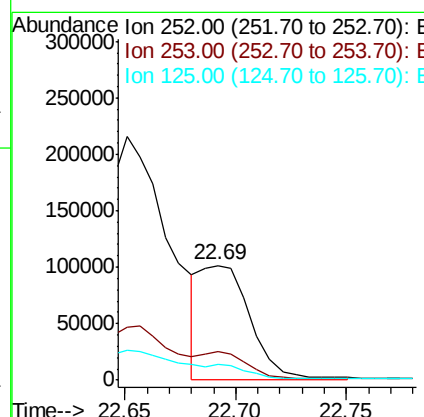
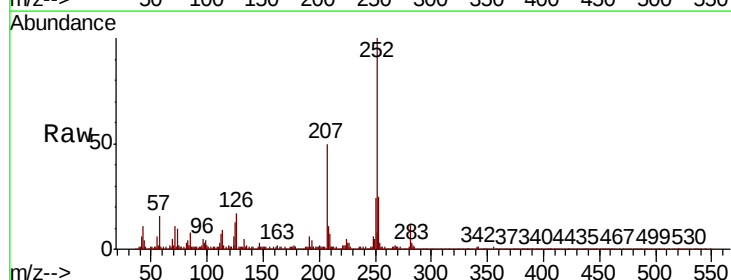
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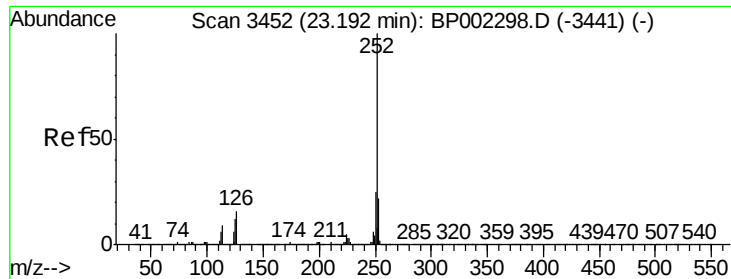
mohammad
6/1/2020 12:24:17 PM



#89
Benzo(k)fluoranthene
Concen: 2.021 ng m
RT: 22.69 min Scan# 3367
Delta R.T. -0.01 min
Lab File: BP002317.D
Acq: 29 May 2020 16:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.9	26.9
125	13.2	7.4	11.2





#90

Benzo(a)pyrene

Concen: 2.316 ng

RT: 23.22 min Scan# 3456

Delta R.T. -0.01 min

Lab File: BP002317.D

Acq: 29 May 2020 16:20

Instrument :

BNA_P

ClientSampleId :

351

Tot Ion	Ion	Ratio	Resp	Lower	Upper
252	100				
253	22.9	18.0	27.0		
125	12.1	8.4	12.6		

Manual Integrations
APPROVED

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