

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP052820\
 Data File : BP002310.D
 Acq On : 28 May 2020 15:24
 Operator : CG/JU
 Sample : L2768-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 371

Manual Integrations
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Quant Time: May 29 03:01:18 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP052720.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 28 11:01:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	298901	20.00	ng	0.00
21) Naphthalene-d8	10.38	136	1240741	20.00	ng	0.00
39) Acenaphthene-d10	14.25	164	720119	20.00	ng	0.00
64) Phenanthrene-d10	17.00	188	1467780	20.00	ng	0.00
76) Chrysene-d12	21.10	240	1257170	20.00	ng	0.00
86) Perylene-d12	23.29	264	1363504	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	1364049	85.71	ng	0.00
7) Phenol-d6	6.79	99	1914157	88.42	ng	0.00
23) Nitrobenzene-d5	8.75	82	1281599	62.10	ng	0.00
42) 2,4,6-Tribromophenol	15.74	330	600411	87.97	ng	0.00
45) 2-Fluorobiphenyl	12.87	172	2656621	65.10	ng	0.00
79) Terphenyl-d14	19.59	244	3304574	63.66	ng	0.00
Target Compounds						
49) Acenaphthylene	13.96	152	148558	2.408	ng	100
50) Dimethylphthalate	13.71	163	356079	7.305	ng	100
71) Phenanthrene	17.04	178	540671	7.777	ng	100
72) Anthracene	17.13	178	367795	5.376	ng	99
75) Fluoranthene	19.02	202	2400471	29.977	ng	98
78) Pyrene	19.37	202	3057495	39.057	ng	99
81) Benzo(a)anthracene	21.08	228	1289128	17.913	ng	97
83) Chrysene	21.13	228	1252222	18.131	ng	96
87) Indeno(1,2,3-cd)pyrene	25.50	276	349201	4.138	ng	97
88) Benzo(b)fluoranthene	22.64	252	1535544m	20.656	ng	
89) Benzo(k)fluoranthene	22.67	252	455888m	6.391	ng	
90) Benzo(a)pyrene	23.20	252	732856	10.628	ng	# 96
92) Benzo(a,h,i)perylene	26.16	276	302814	4.314	ng	# 94

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

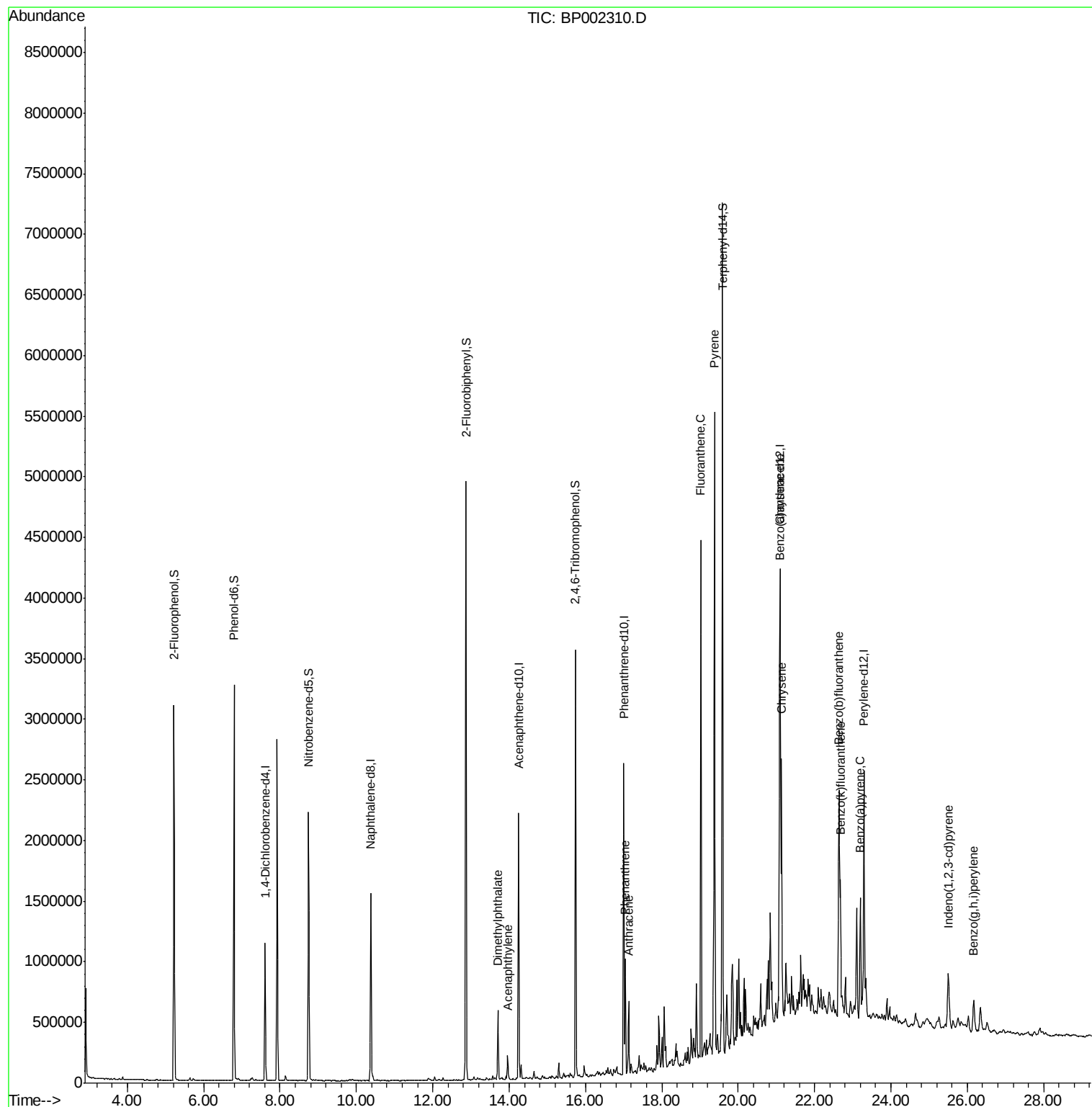
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP052820\
Data File : BP002310.D
Acq On : 28 May 2020 15:24
Operator : CG/JU
Sample : L2768-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

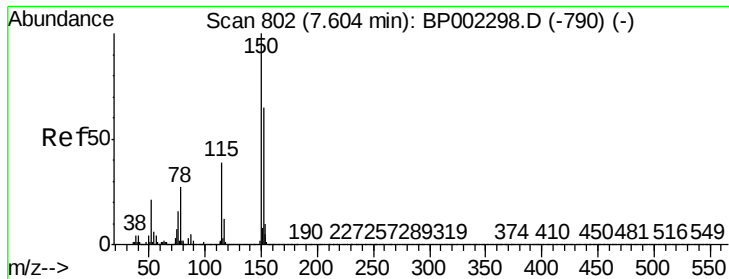
Instrument :
BNA_P
ClientSampleId :
371

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP052720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

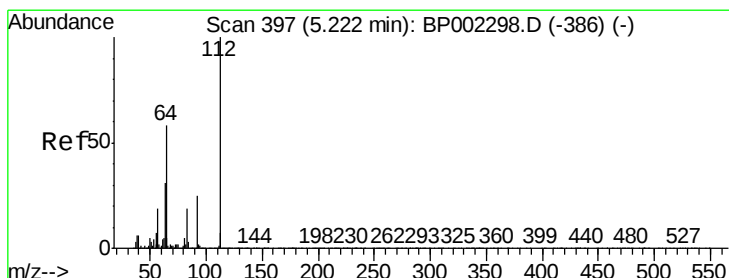
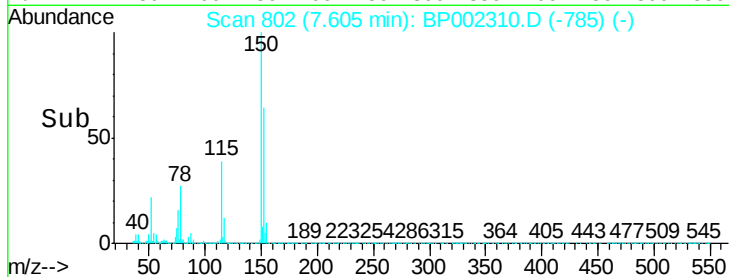
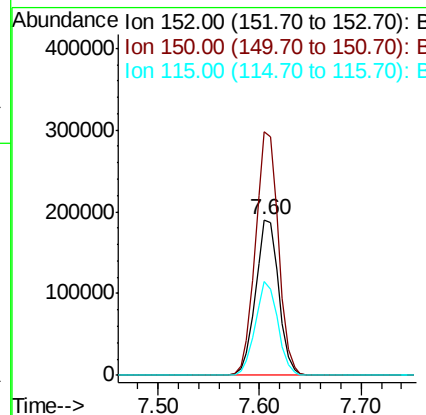
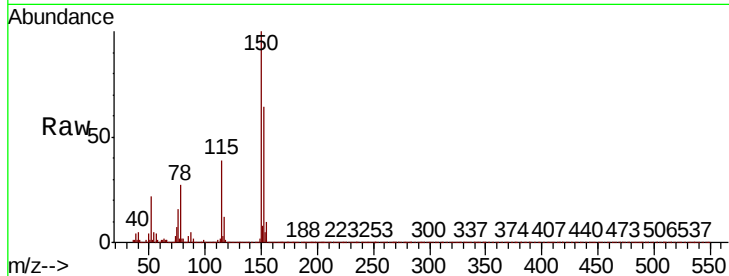
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.60 min Scan# 802
Delta R.T. 0.00 min
Lab File: BP002310.D
Acq: 28 May 2020 15:24

Instrument :
BNA_P
ClientSampled :
371

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	124.7	187.1
115	60.4	49.4	74.2

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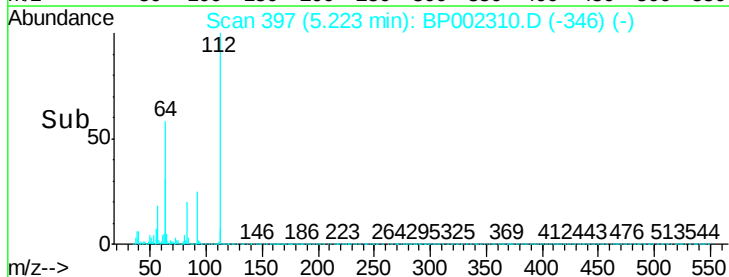
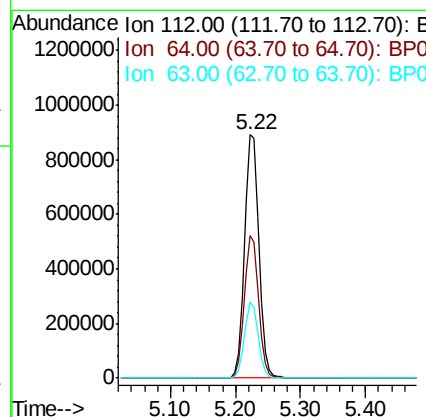
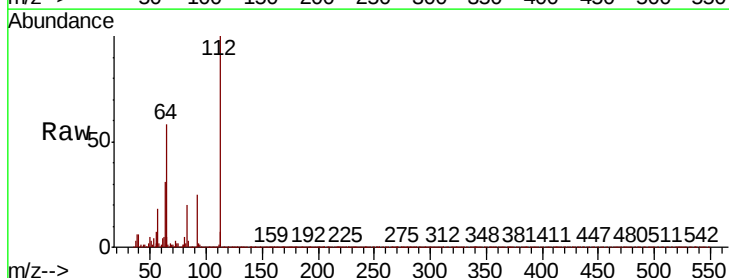
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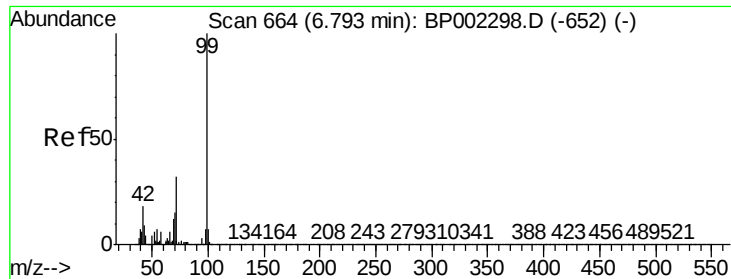


#5

2-Fluorophenol
Concen: 85.710 ng
RT: 5.22 min Scan# 397
Delta R.T. 0.00 min
Lab File: BP002310.D
Acq: 28 May 2020 15:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.4	47.0	70.4
63	31.2	24.0	36.0





#7

Phenol-d6

Concen: 88.416 ng

RT: 6.79 min Scan# 664

Delta R.T. 0.01 min

Lab File: BP002310.D

Acq: 28 May 2020 15:24

Instrument :

BNA_P

ClientSampleId :

371

Tot Ion: 99 Resp: 1914157

Ion Ratio Lower Upper

99 100

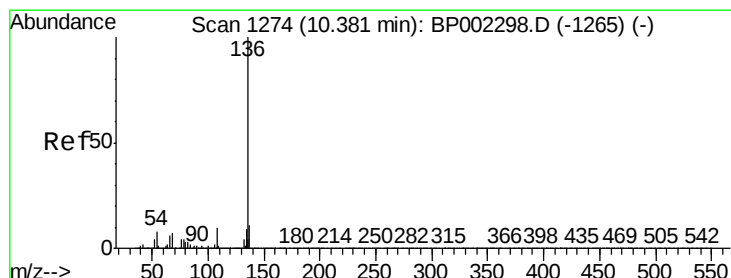
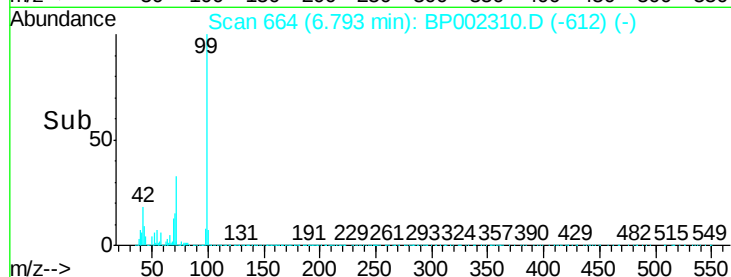
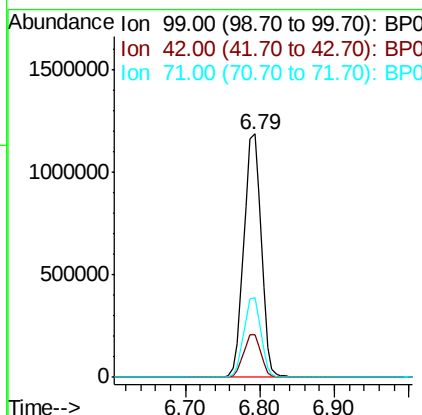
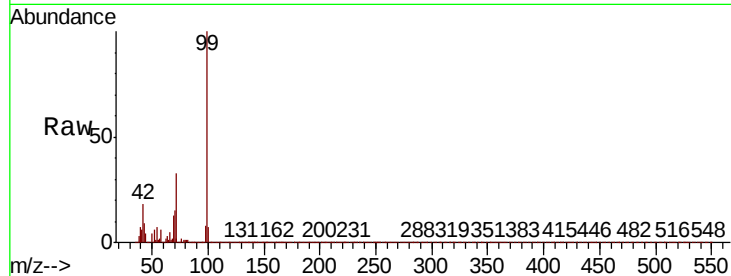
42 17.6 13.9 20.9

71 32.6 25.8 38.8

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.38 min Scan# 1273

Delta R.T. 0.00 min

Lab File: BP002310.D

Acq: 28 May 2020 15:24

Tgt Ion: 136 Resp: 1240741

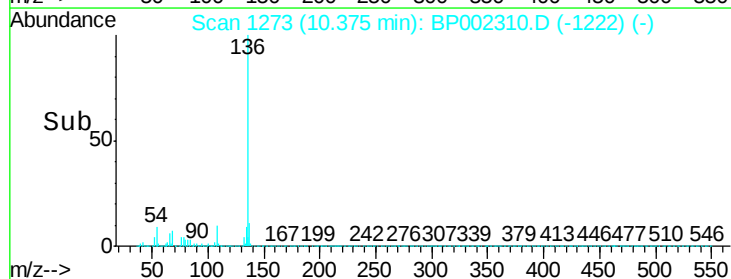
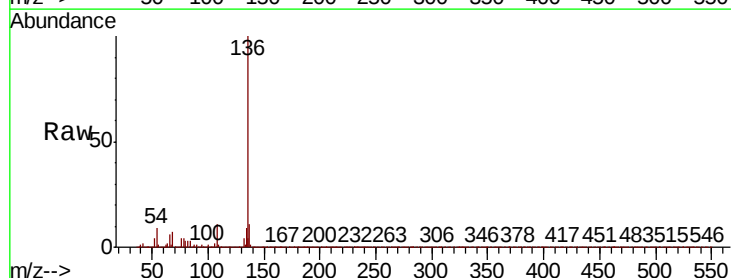
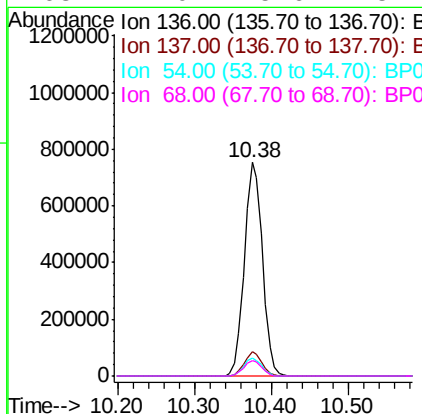
Ion Ratio Lower Upper

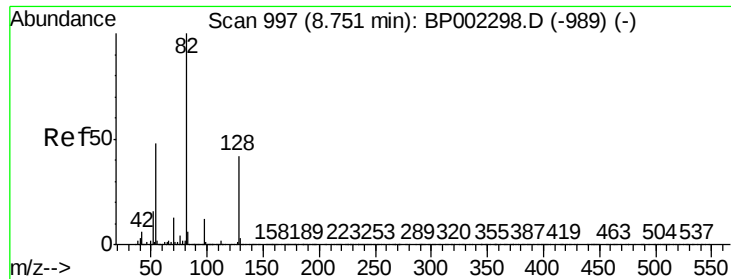
136 100

137 11.2 8.8 13.2

54 8.7 6.9 10.3

68 7.0 5.6 8.4





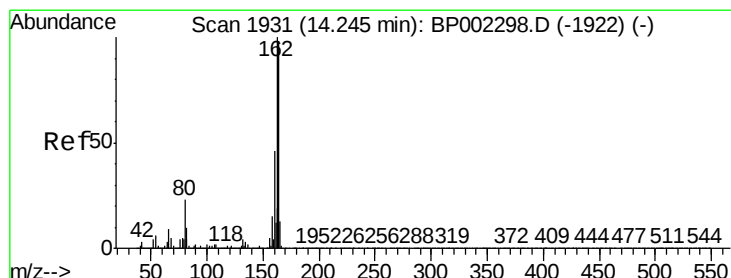
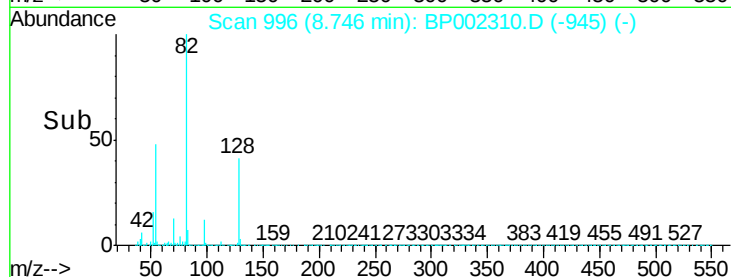
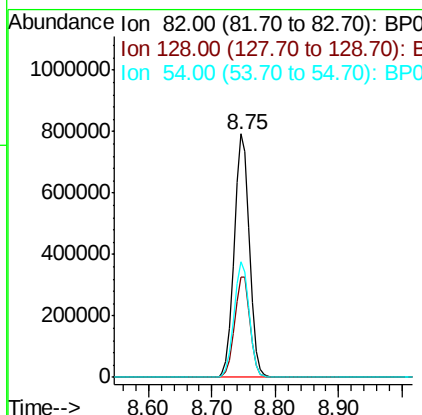
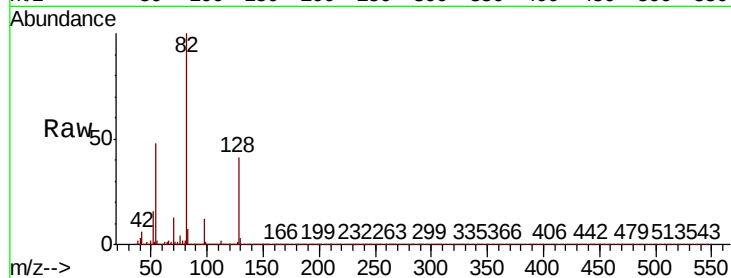
#23
Nitrobenzene-d5
Concen: 62.102 ng
RT: 8.75 min Scan# 996
Delta R.T. 0.00 min
Lab File: BP002310.D
Acq: 28 May 2020 15:24

Instrument :
BNA_P
ClientSampleId :
371

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.2	33.4	50.0
54	47.5	38.3	57.5

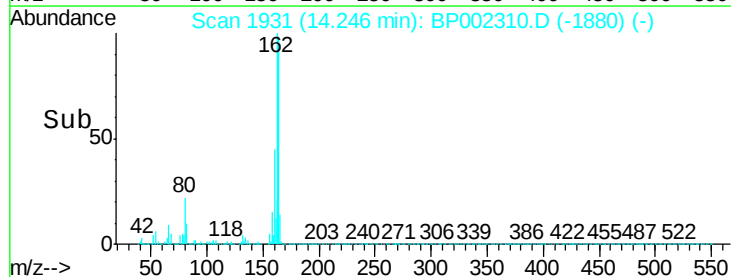
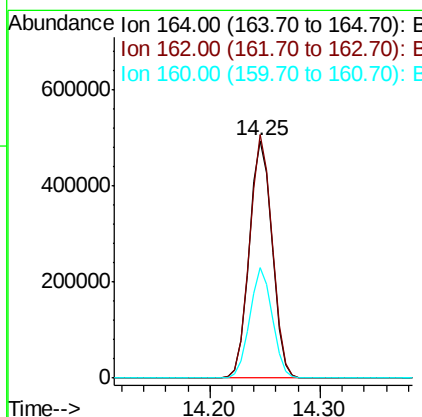
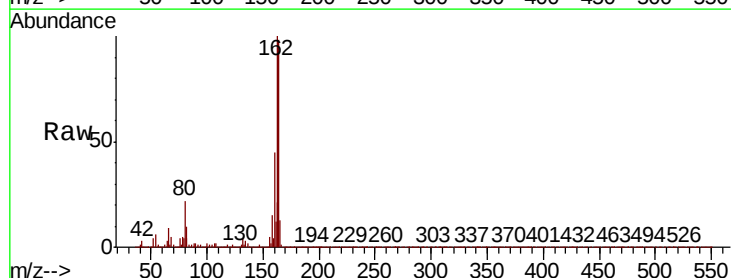
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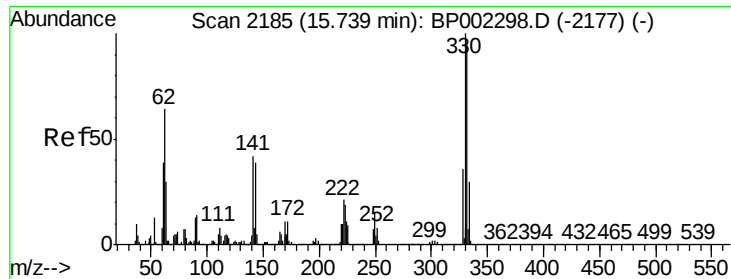
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.25 min Scan# 1931
Delta R.T. 0.00 min
Lab File: BP002310.D
Acq: 28 May 2020 15:24

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.4	81.3	121.9
160	46.4	37.2	55.8





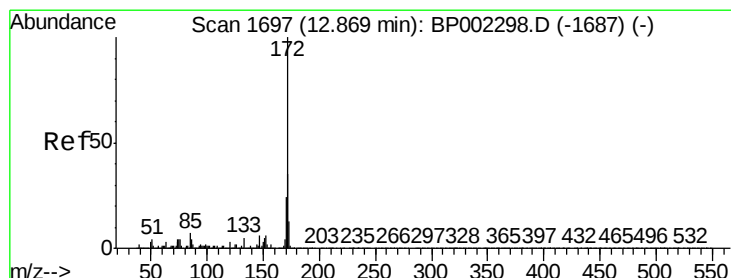
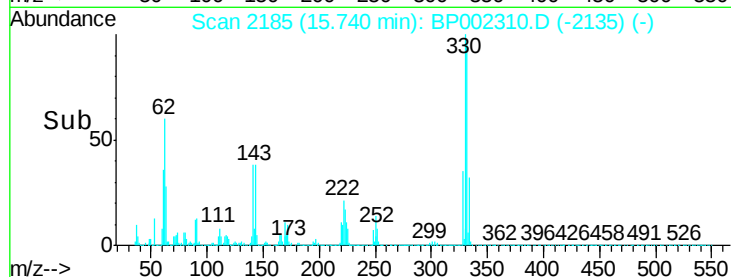
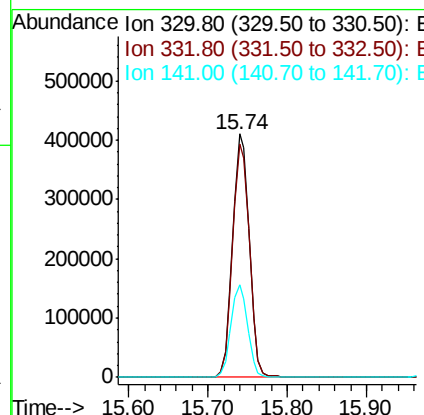
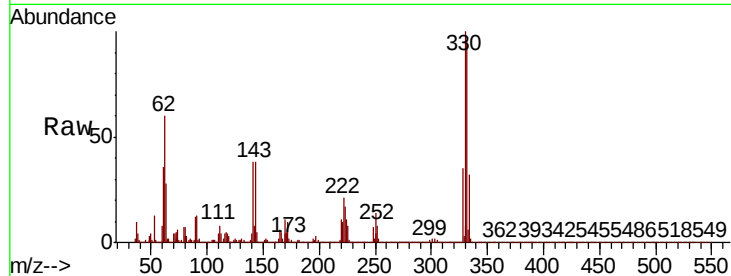
#42
2,4,6-Tribromophenol
Concen: 87.973 ng
RT: 15.74 min Scan# 2185
Delta R.T. -0.01 min
Lab File: BP002310.D
Acq: 28 May 2020 15:24

Instrument :
BNA_P
ClientSampleId :
371

Tot Ion	Ratio	Resp	Lower	Upper
330	100	600411		
332	96.9	76.9	115.3	
141	37.9	31.4	47.2	

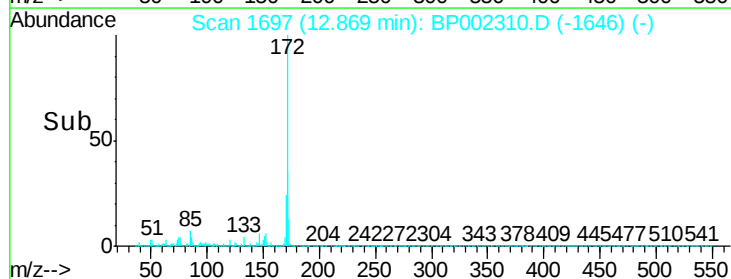
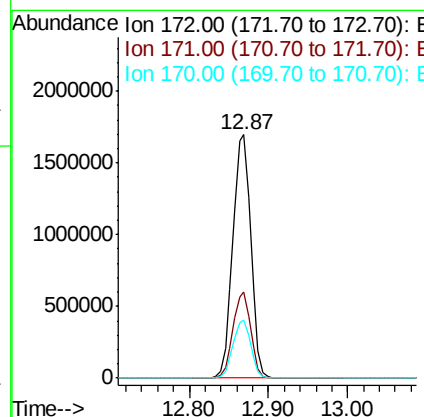
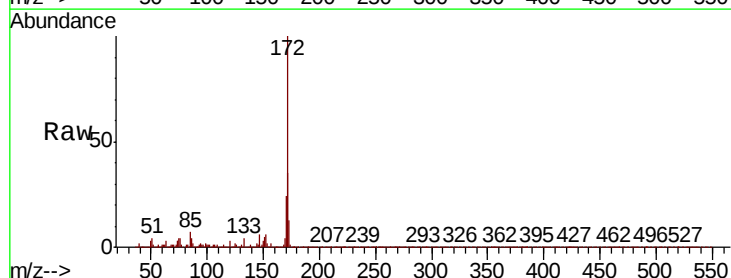
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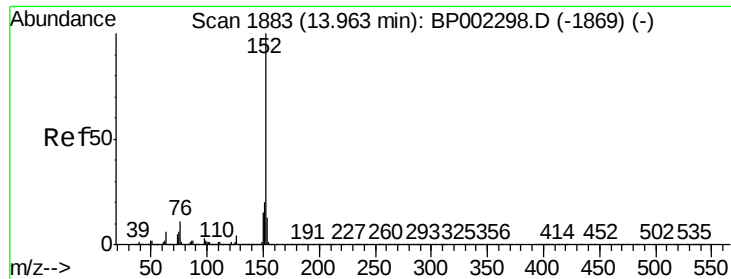
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#45
2-Fluorobiphenyl
Concen: 65.096 ng
RT: 12.87 min Scan# 1697
Delta R.T. 0.00 min
Lab File: BP002310.D
Acq: 28 May 2020 15:24

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2656621		
171	35.3	27.6	41.4	
170	24.0	18.9	28.3	





#49

Acenaphthylene

Concen: 2.408 ng

RT: 13.96 min Scan# 1883

Delta R.T. 0.00 min

Lab File: BP002310.D

Acq: 28 May 2020 15:24

Instrument :

BNA_P

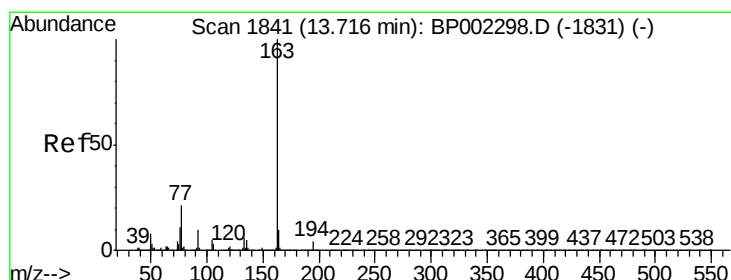
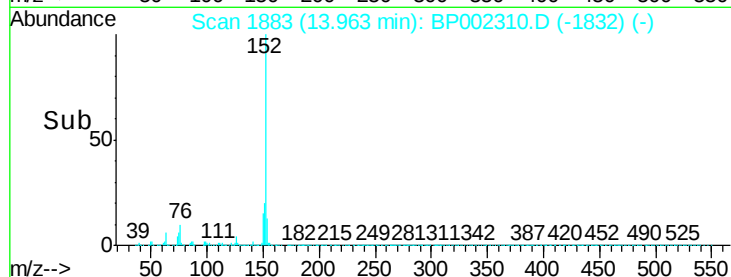
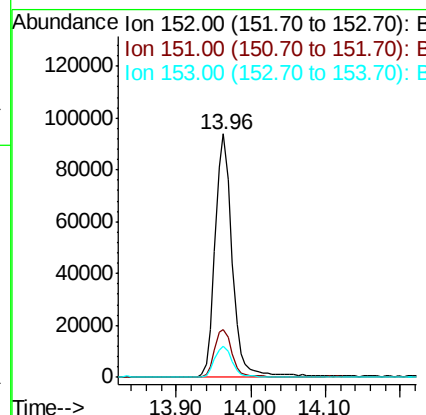
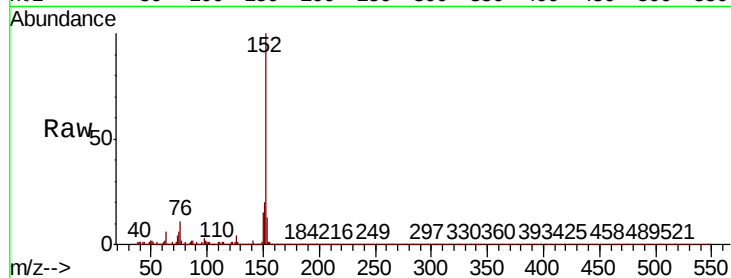
ClientSampleId :

371

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.9	23.9
153	12.9	10.4	15.6

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#50

Dimethylphthalate

Concen: 7.305 ng

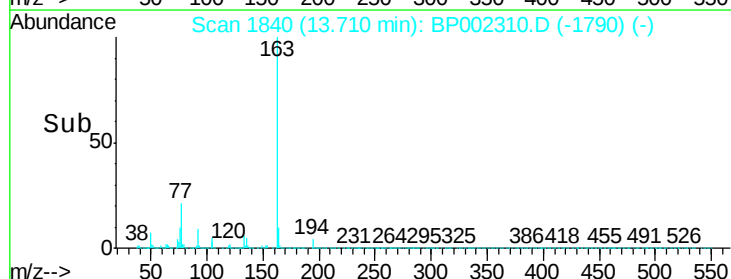
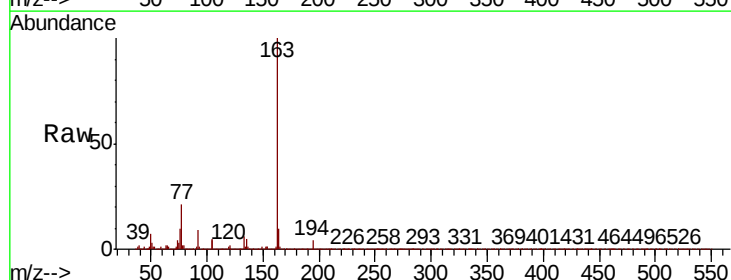
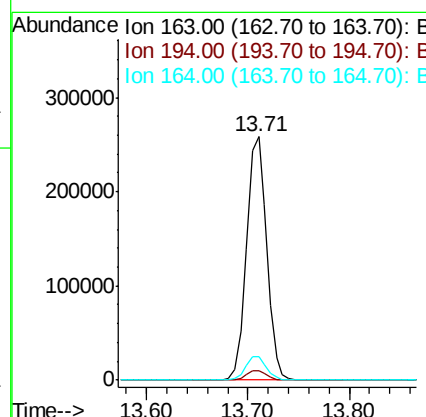
RT: 13.71 min Scan# 1840

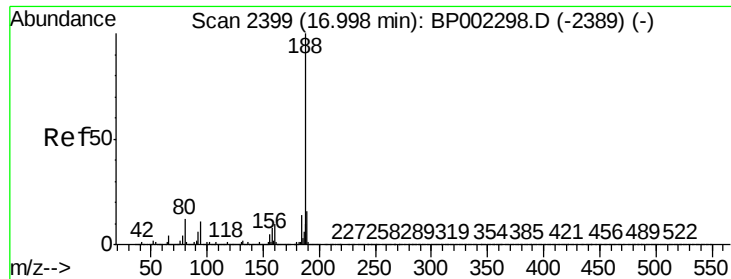
Delta R.T. -0.01 min

Lab File: BP002310.D

Acq: 28 May 2020 15:24

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.2	4.8
164	9.9	8.1	12.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.00 min Scan# 2399

Delta R.T. 0.00 min

Lab File: BP002310.D

Acq: 28 May 2020 15:24

Instrument :

BNA_P

ClientSampleId :

371

Tot Ion:188 Resp: 1467780

Ion Ratio Lower Upper

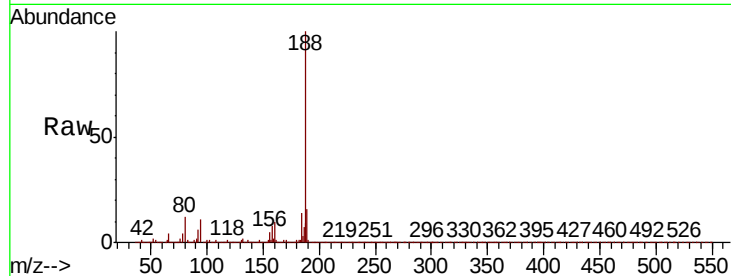
188 100

94 11.1 8.7 13.1

80 11.9 9.3 13.9

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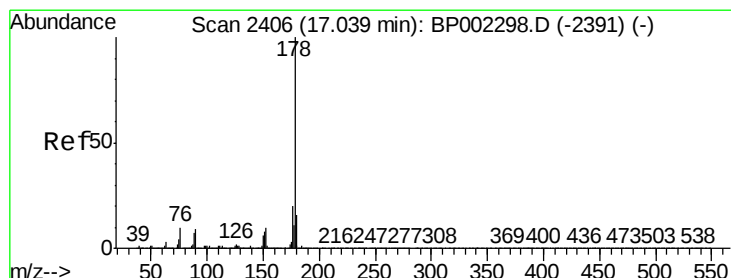
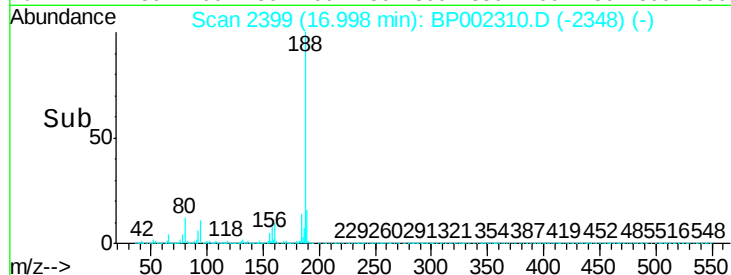
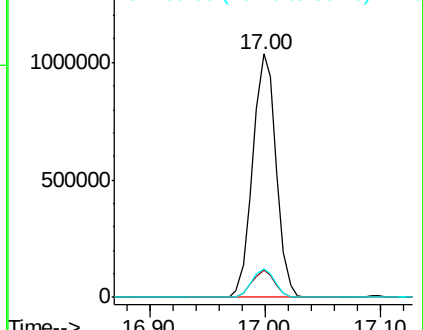
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0



#71

Phenanthrene

Concen: 7.777 ng

RT: 17.04 min Scan# 2406

Delta R.T. -0.01 min

Lab File: BP002310.D

Acq: 28 May 2020 15:24

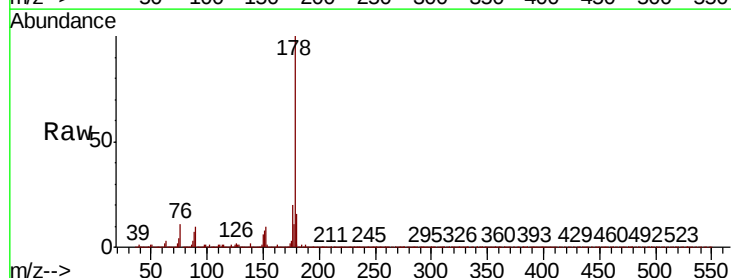
Tgt Ion:178 Resp: 540671

Ion Ratio Lower Upper

178 100

176 20.0 15.8 23.8

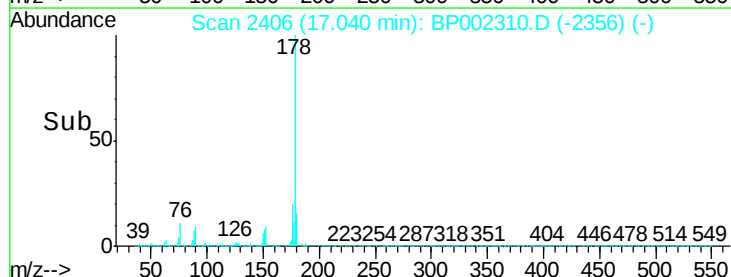
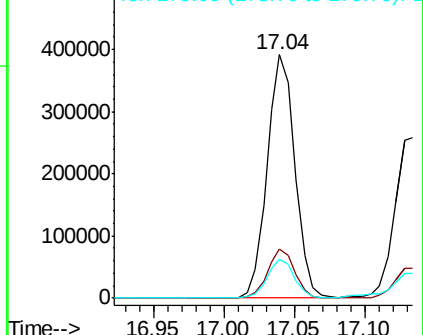
179 15.7 12.6 18.8

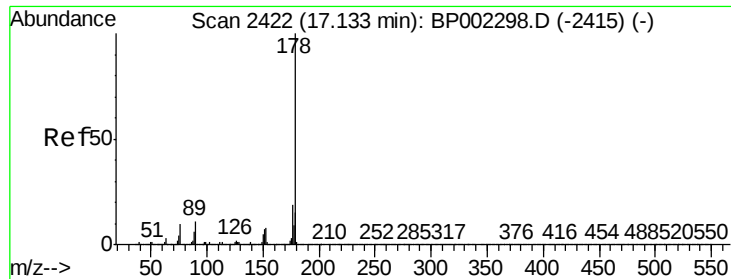


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 5.376 ng

RT: 17.13 min Scan# 2422

Delta R.T. 0.00 min

Lab File: BP002310.D

Acq: 28 May 2020 15:24

Instrument :

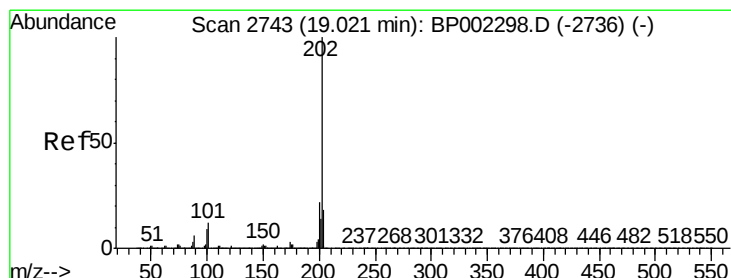
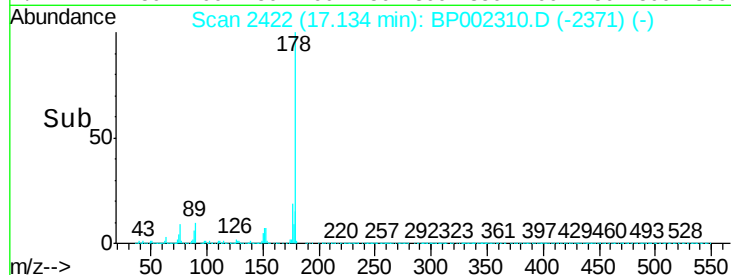
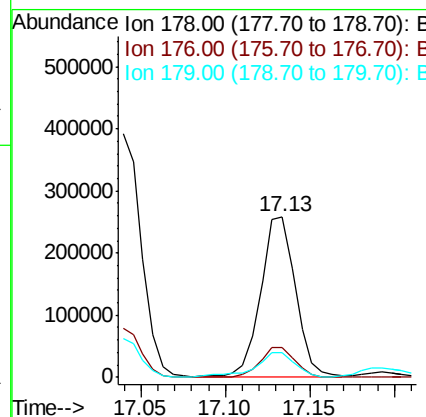
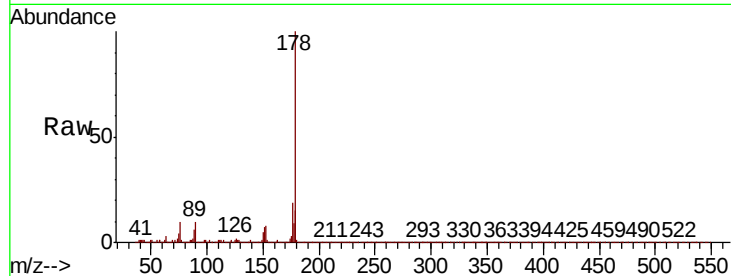
BNA_P

ClientSampleId :
371

Tot Ion:	178	Resp:	367795
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.2	22.8
179	15.3	12.6	19.0

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#75

Fluoranthene

Concen: 29.977 ng

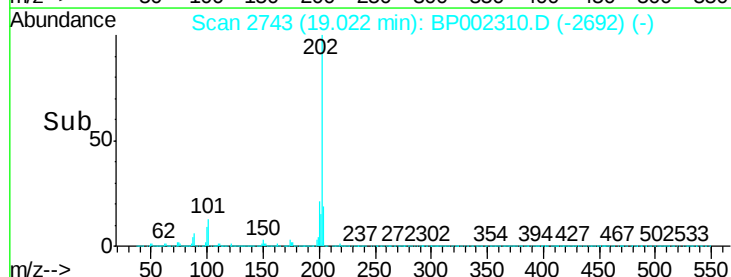
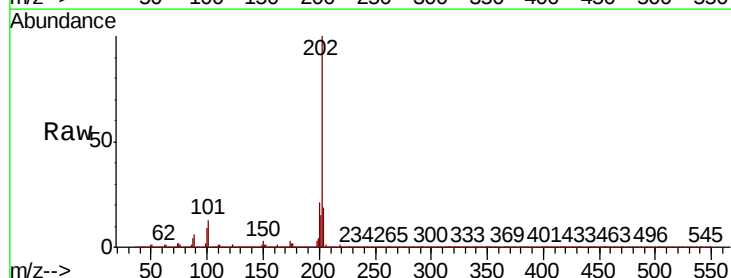
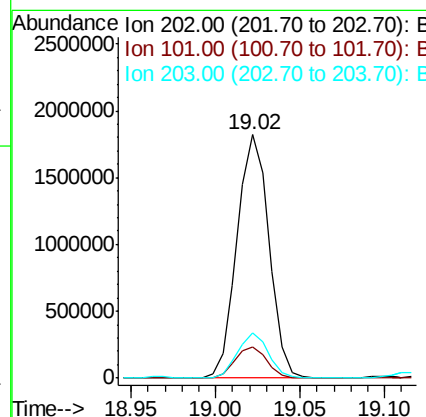
RT: 19.02 min Scan# 2743

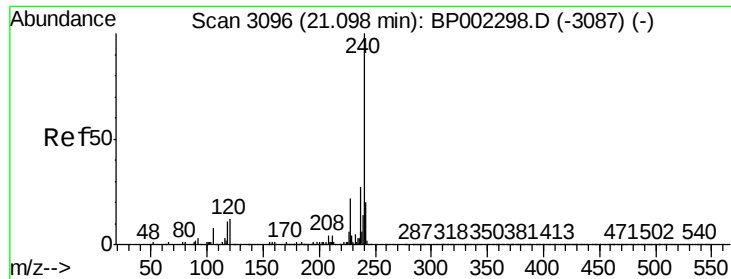
Delta R.T. 0.00 min

Lab File: BP002310.D

Acq: 28 May 2020 15:24

Tgt Ion:	202	Resp:	2400471
Ion Ratio	Lower	Upper	
202	100		
101	12.9	0.0	32.1
203	18.7	0.0	37.6





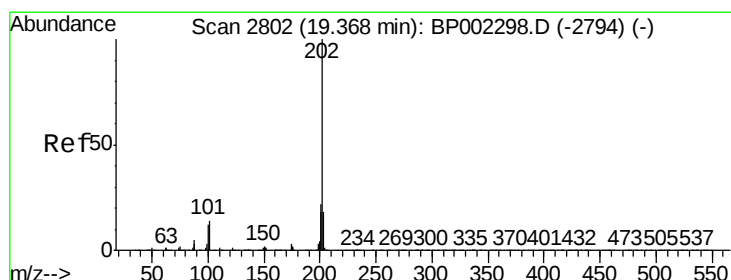
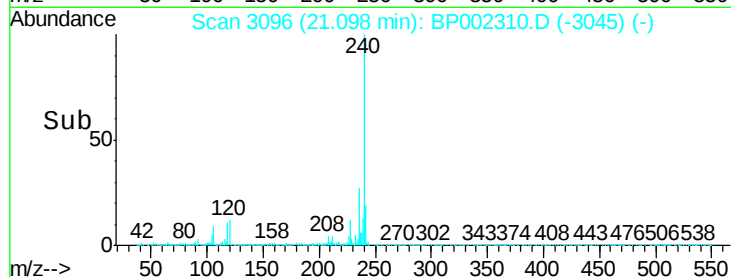
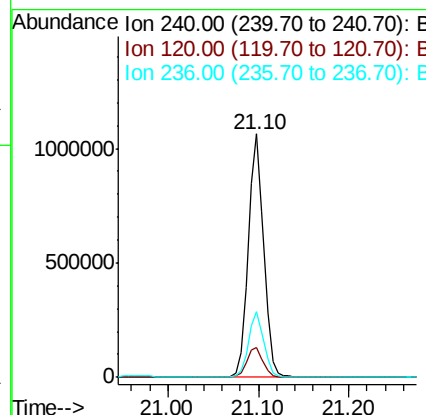
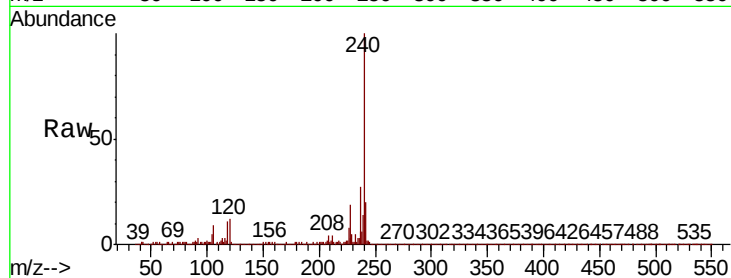
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.10 min Scan# 3096
Delta R.T. 0.00 min
Lab File: BP002310.D
Acq: 28 May 2020 15:24

Instrument :
BNA_P
ClientSampleId :
371

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.4	8.7	13.1
236	26.8	21.0	31.4

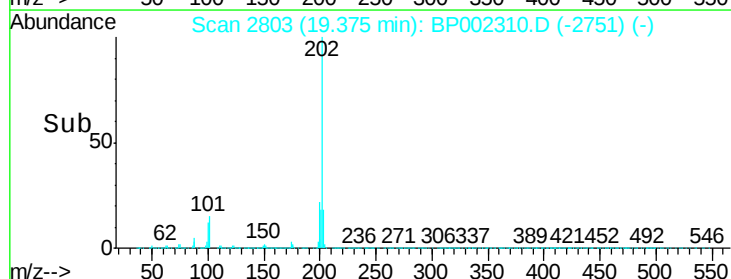
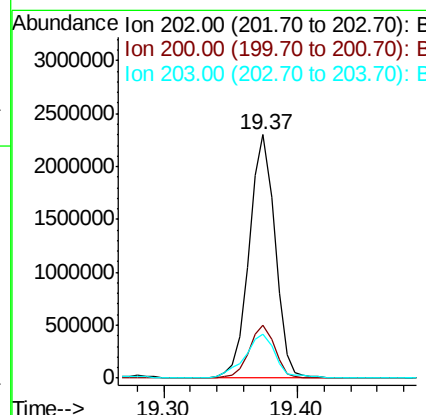
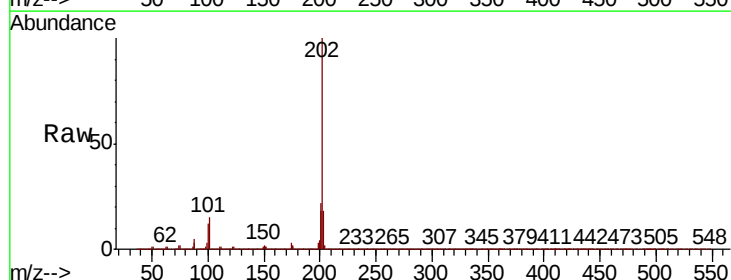
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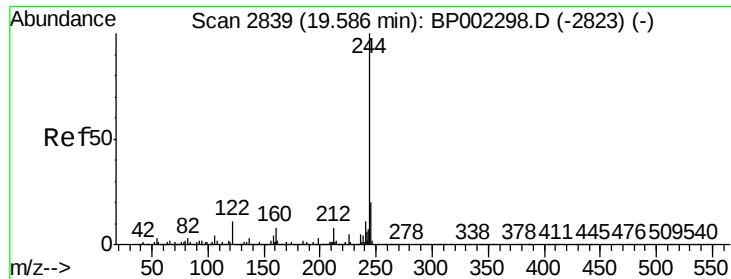
mohammad
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#78
Pyrene
Concen: 39.057 ng
RT: 19.37 min Scan# 2803
Delta R.T. 0.01 min
Lab File: BP002310.D
Acq: 28 May 2020 15:24

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.3	25.9
203	18.2	13.8	20.6





#79

Terphenyl-d14

Concen: 63.657 ng

RT: 19.59 min Scan# 2839

Delta R.T. 0.01 min

Lab File: BP002310.D

Acq: 28 May 2020 15:24

Instrument :

BNA_P

ClientSampleId :
371

Tot Ion:244 Resp: 3304574

Ion Ratio Lower Upper

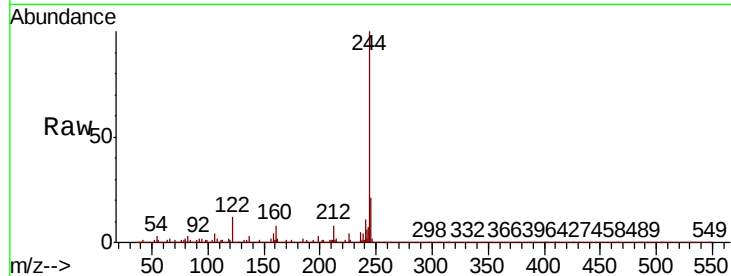
244 100

212 7.8 6.4 9.6

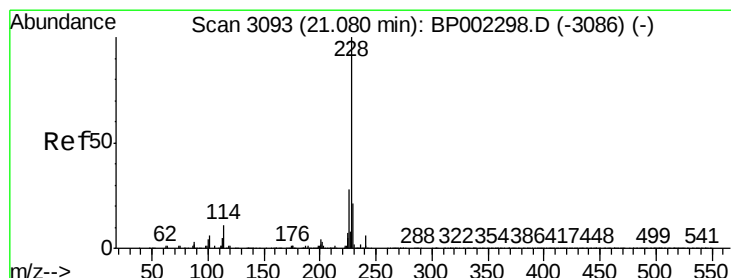
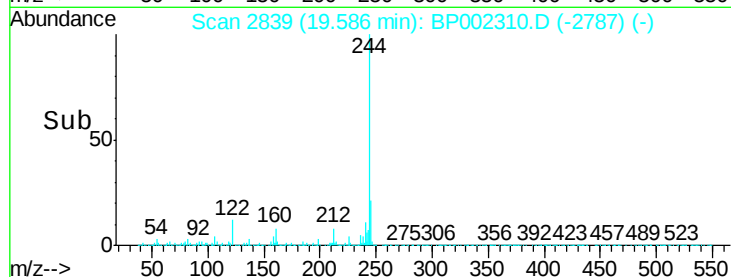
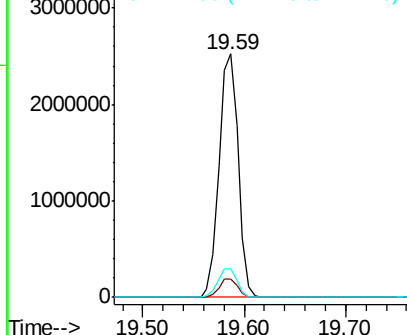
122 11.5 9.4 14.0

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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: 17.913 ng

RT: 21.08 min Scan# 3093

Delta R.T. 0.00 min

Lab File: BP002310.D

Acq: 28 May 2020 15:24

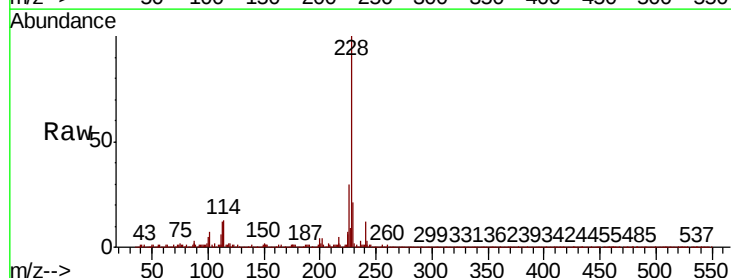
Tgt Ion:228 Resp: 1289128

Ion Ratio Lower Upper

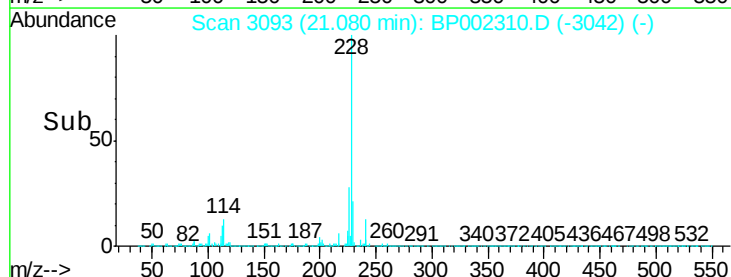
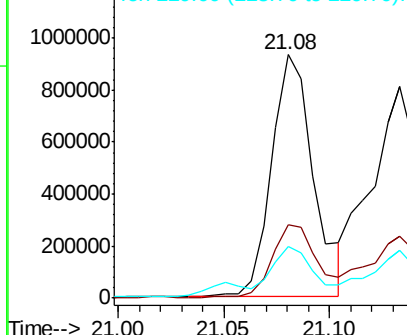
228 100

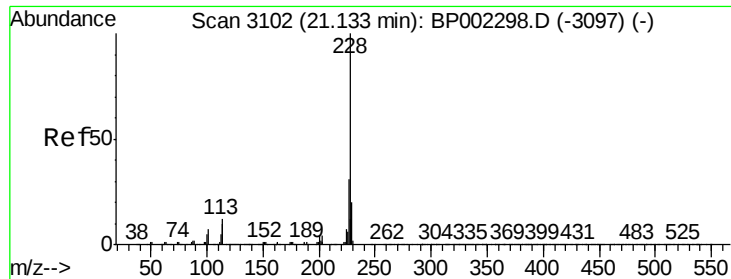
226 30.1 22.7 34.1

229 21.2 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





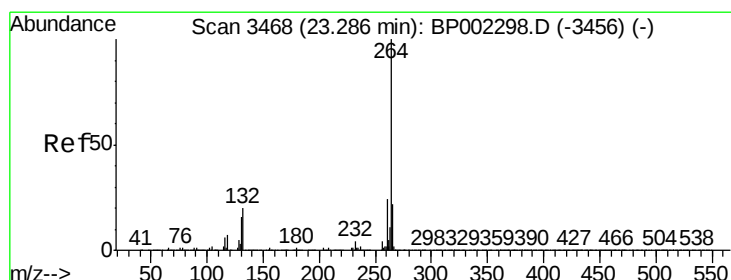
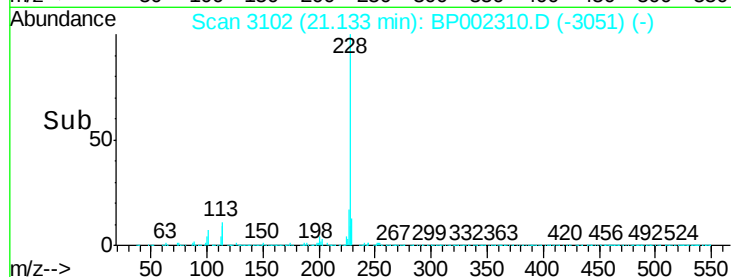
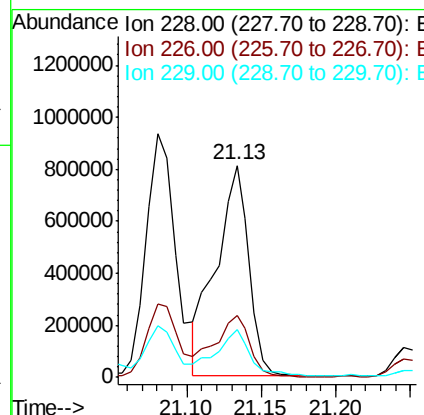
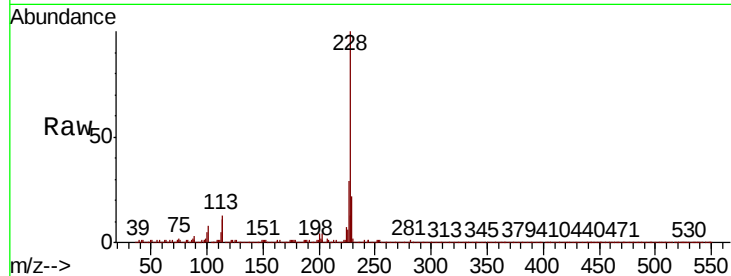
#83
Chrysene
Concen: 18.131 ng
RT: 21.13 min Scan# 3102
Delta R.T. 0.00 min
Lab File: BP002310.D
Acq: 28 May 2020 15:24

Instrument :
BNA_P
ClientSampleId :
371

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	25.0	37.6
229	22.3	16.2	24.4

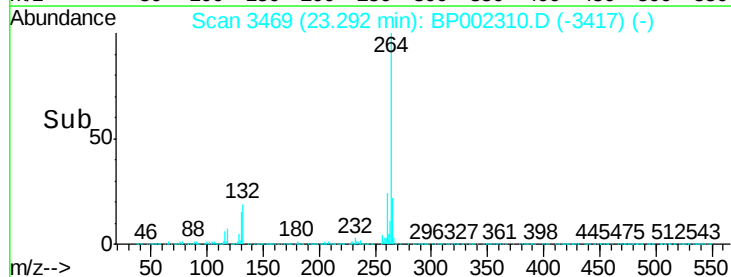
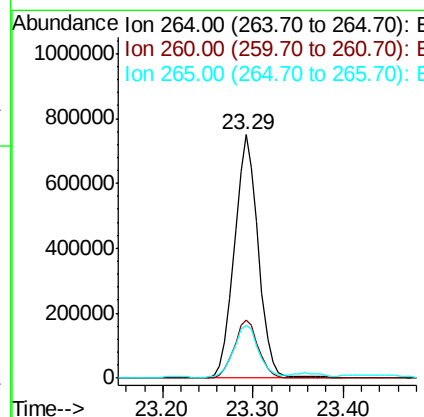
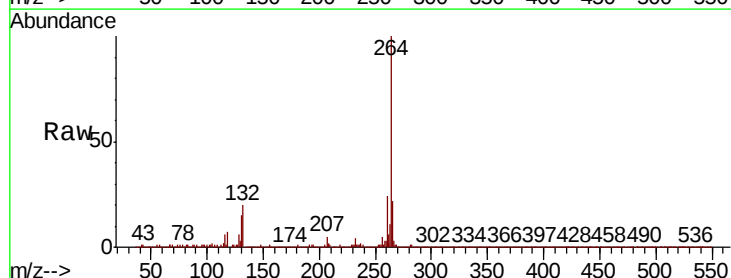
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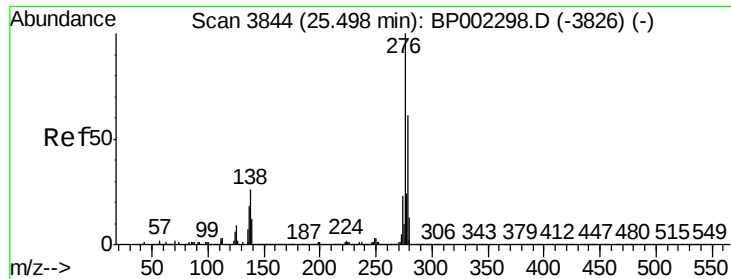
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#86
Perylene-d12
Concen: 20.000 ng
RT: 23.29 min Scan# 3469
Delta R.T. 0.01 min
Lab File: BP002310.D
Acq: 28 May 2020 15:24

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.4	29.2
265	22.0	17.8	26.6





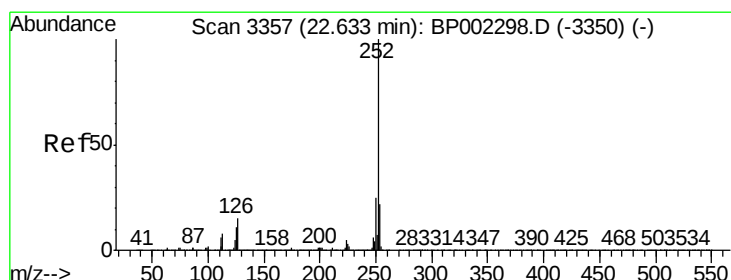
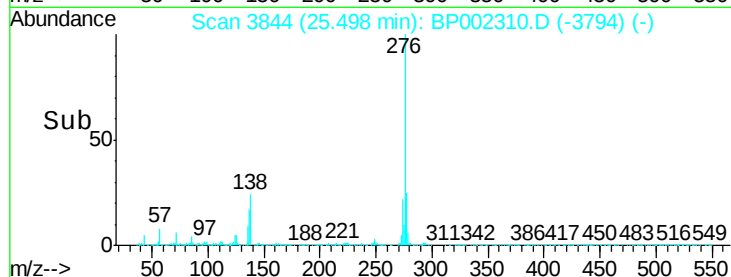
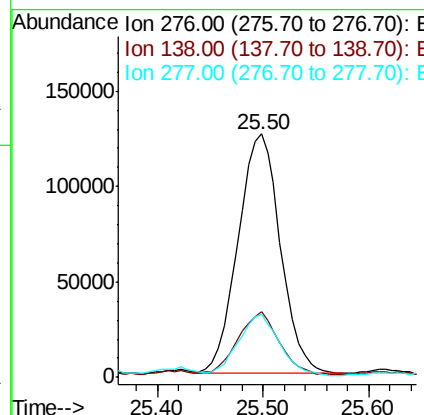
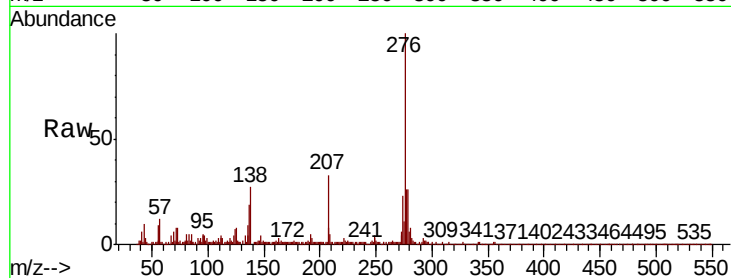
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.138 ng
 RT: 25.50 min Scan# 3844
 Delta R.T. -0.01 min
 Lab File: BP002310.D
 Acq: 28 May 2020 15:24

Instrument :
 BNA_P
 ClientSampleId :
 371

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.9	18.2	27.4
277	25.0	20.2	30.2

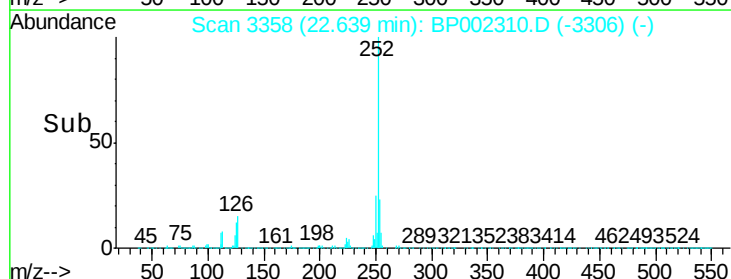
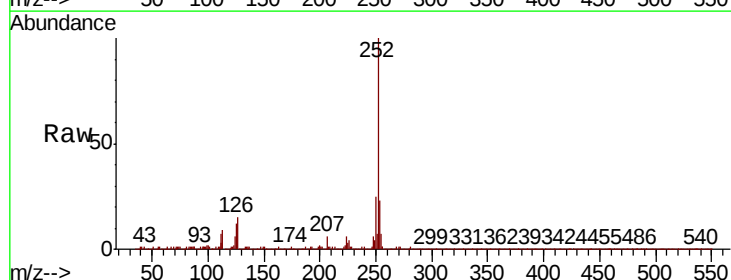
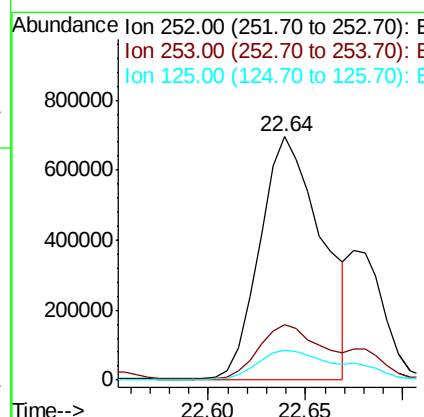
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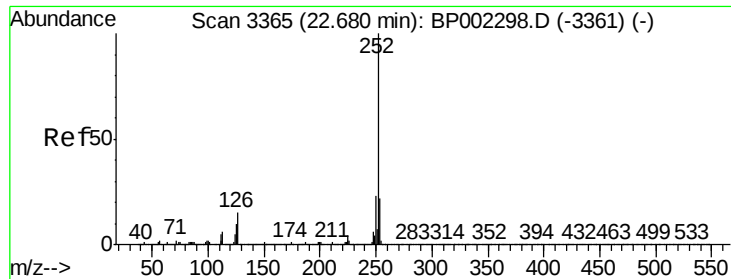
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#88
 Benzo(b)fluoranthene
 Concen: 20.656 ng m
 RT: 22.64 min Scan# 3358
 Delta R.T. 0.01 min
 Lab File: BP002310.D
 Acq: 28 May 2020 15:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.2
125	12.1	7.2	10.8#





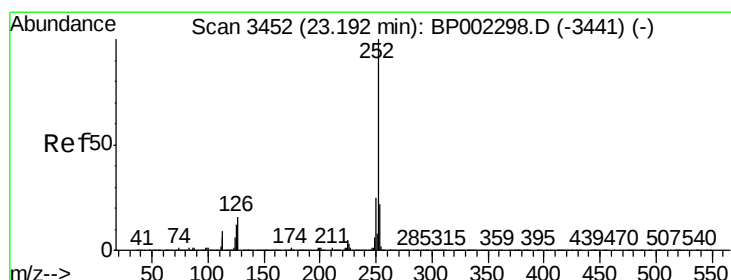
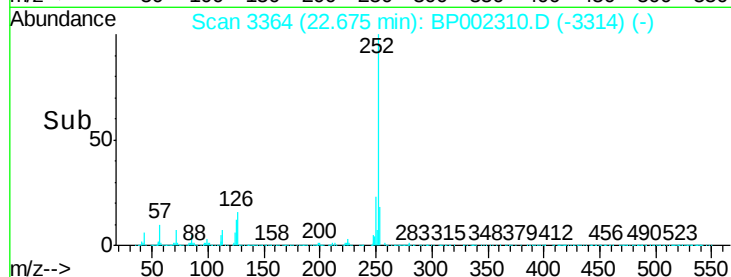
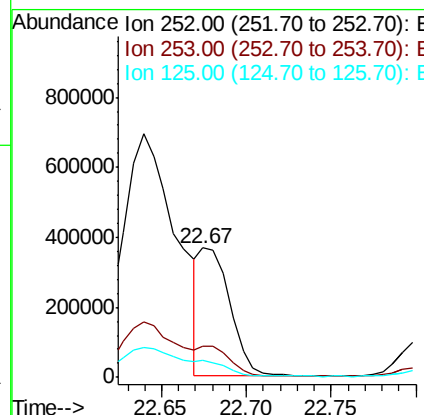
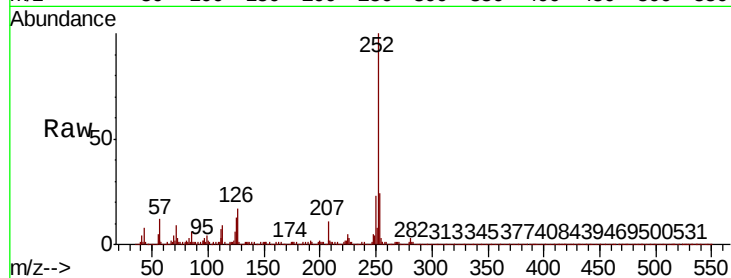
#89
Benzo(k)fluoranthene
Concen: 6.391 ng m
RT: 22.67 min Scan# 3364
Delta R.T. -0.01 min
Lab File: BP002310.D
Acq: 28 May 2020 15:24

Instrument :
BNA_P
ClientSampled :
371

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	13.1	7.4	11.2

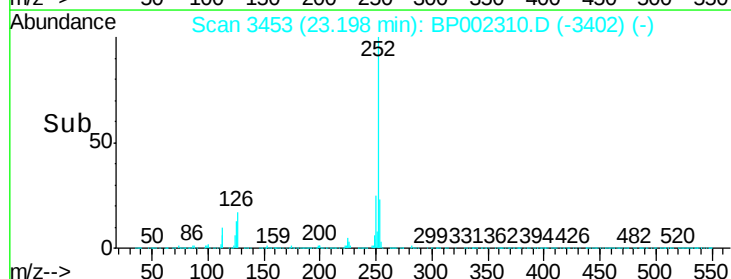
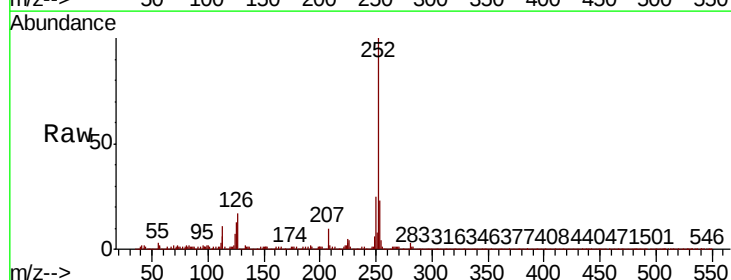
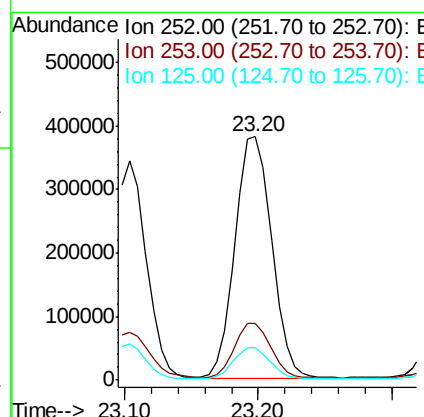
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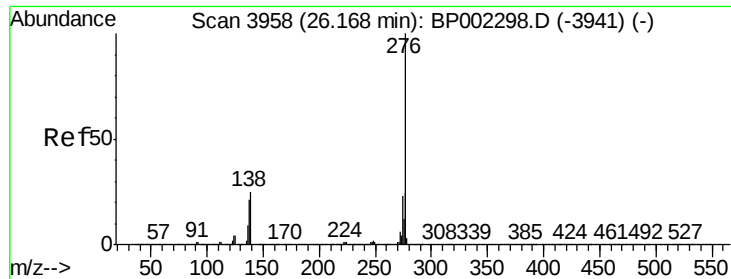
mohammad
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#90
Benzo(a)pyrene
Concen: 10.628 ng
RT: 23.20 min Scan# 3453
Delta R.T. 0.00 min
Lab File: BP002310.D
Acq: 28 May 2020 15:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.0	27.0
125	13.5	8.4	12.6





#92
 Benzo(a,h,i)perylene
 Concen: 4.314 ng
 RT: 26.16 min Scan# 3957
 Delta R.T. -0.01 min
 Lab File: BP002310.D
 Acq: 28 May 2020 15:24

Instrument :
 BNA_P
 ClientSampleId :
 371

Tot Ion:	276	Resp:	302814
Ion Ratio		Lower	Upper
276	100		
277	23.5	18.6	28.0
138	25.5	16.0	24.0

Manual Integrations
 APPROVED

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 5/29/2020 10:31:08 PM

