

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP081420\
 Data File : BP002992.D
 Acq On : 14 Aug 2020 19:19
 Operator : CG/JU
 Sample : L3662-10 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 N48765

Manual Integrations
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Quant Time: Aug 17 03:21:42 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP073020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 11 17:14:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	444107	20.00	ng	-0.01
21) Naphthalene-d8	10.47	136	1563983	20.00	ng	-0.01
39) Acenaphthene-d10	14.33	164	709805	20.00	ng	0.00
64) Phenanthrene-d10	17.10	188	875176	20.00	ng	0.01
76) Chrysene-d12	21.19	240	1414951	20.00	ng	0.01
86) Perylene-d12	23.44	264	1960538	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	942354	32.48	ng	0.00
7) Phenol-d6	6.86	99	1128402	28.01	ng	-0.02
23) Nitrobenzene-d5	8.83	82	721226	24.98	ng	-0.01
42) 2,4,6-Tribromophenol	15.83	330	314566	35.66	ng	0.00
45) 2-Fluorobiphenyl	12.95	172	1656411	31.88	ng	-0.01
79) Terphenyl-d14	19.68	244	1402530	19.84	ng	0.01
Target Compounds						
50) Dimethylphthalate	13.79	163	219651	3.957	ng	# 81
71) Phenanthrene	17.15	178	1165977	22.720	ng	# 84
72) Anthracene	17.23	178	266370	5.311	ng	# 45
73) Carbazole	17.50	167	280690	5.730	ng	# 49
75) Fluoranthene	19.13	202	4048424	68.468	ng	92
78) Pyrene	19.48	202	3834341	38.764	ng	98
81) Benzo(a)anthracene	21.17	228	3050456	31.650	ng	99
83) Chrysene	21.23	228	4098803	45.083	ng	98
84) Bis(2-ethylhexyl)phthalate	21.12	149	165099	3.016	ng	# 91
87) Indeno(1,2,3-cd)pyrene	25.73	276	3582025	22.814	ng	94
88) Benzo(b)fluoranthene	22.76	252	7351282	53.135	ng	98
89) Benzo(k)fluoranthene	22.80	252	2381664m	18.213	ng	
90) Benzo(a)pyrene	23.34	252	4529859	36.236	ng	99
91) Dibenzo(a,h)anthracene	25.74	278	875874m	6.554	ng	
92) Benzo(a,h,i)perylene	26.43	276	4030154	31.187	ng	99

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

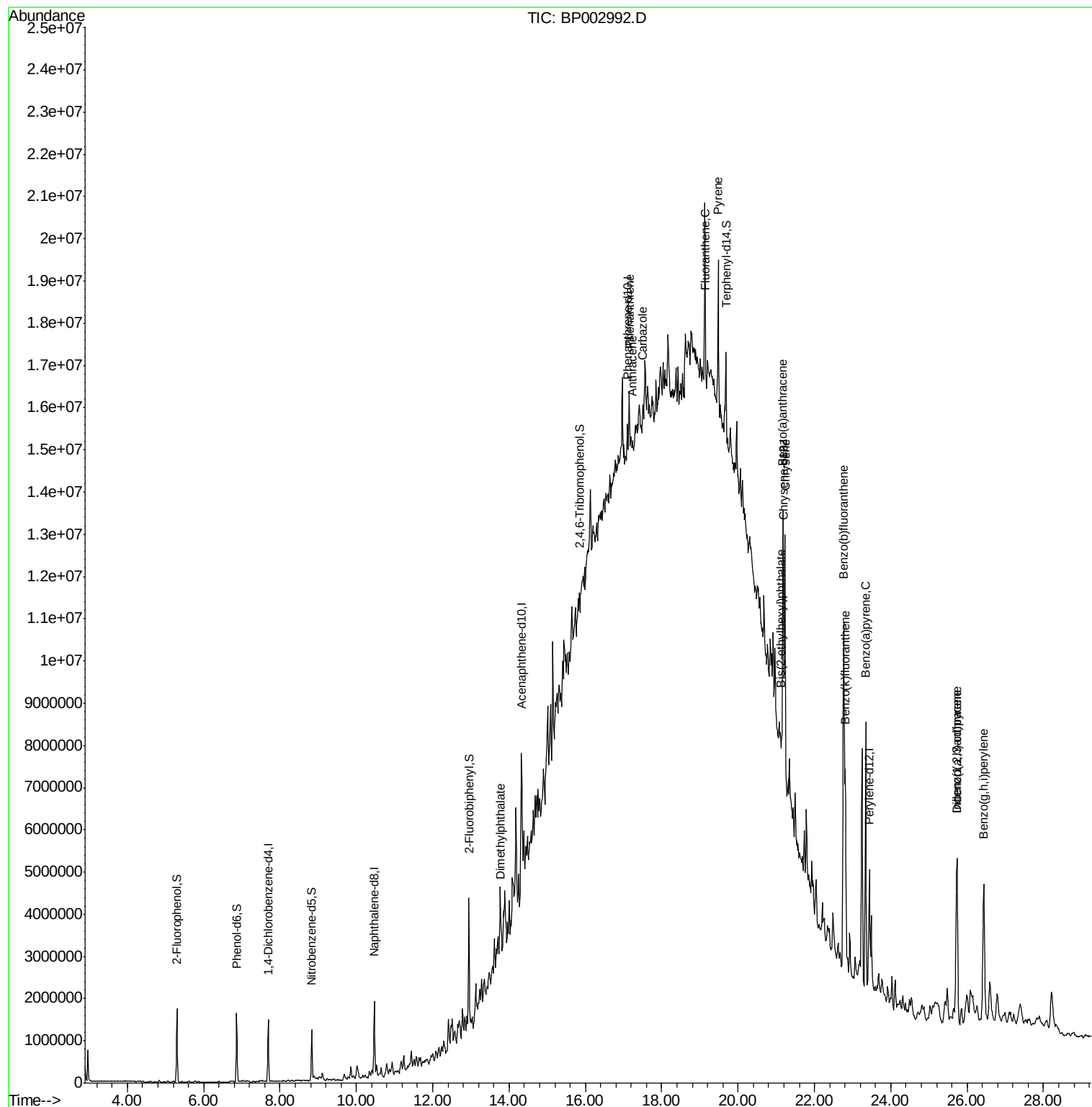
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP081420\
Data File : BP002992.D
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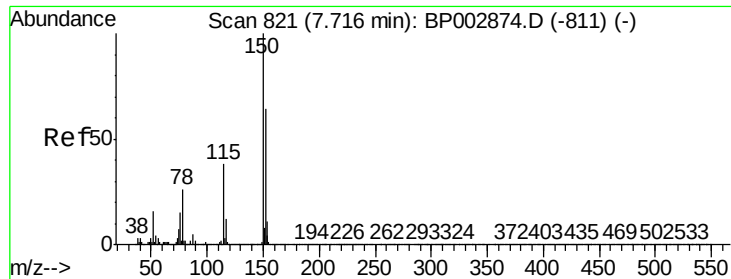
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#1

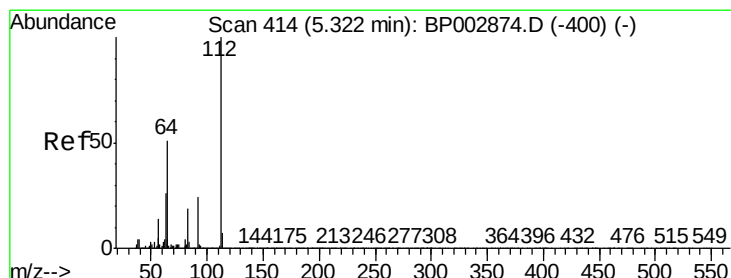
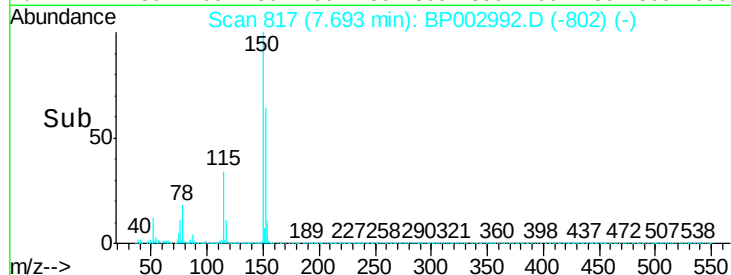
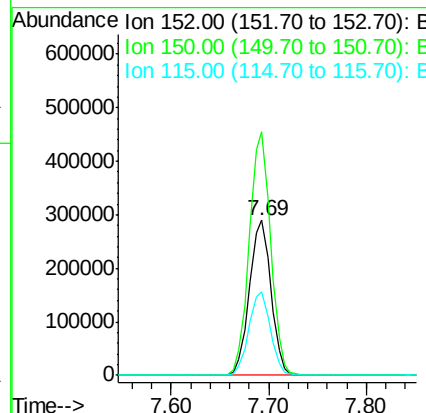
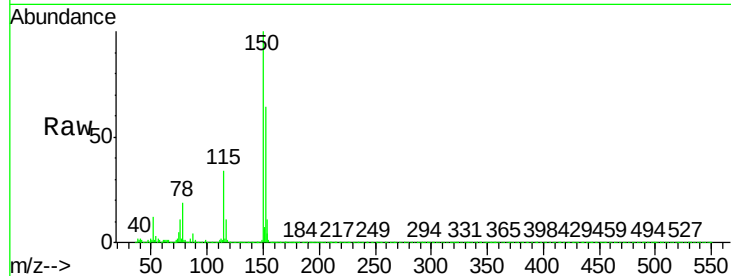
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.69 min Scan# 817
Delta R.T. -0.01 min
Lab File: BP002992.D
Acq: 14 Aug 2020 19:19

Instrument :
BNA_P
ClientSampleId :
N48765

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	124.2	186.4
115	53.8	42.1	63.1

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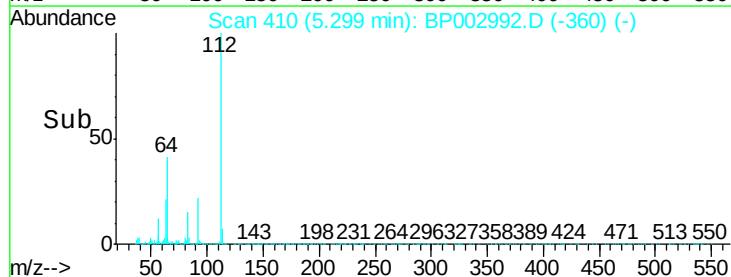
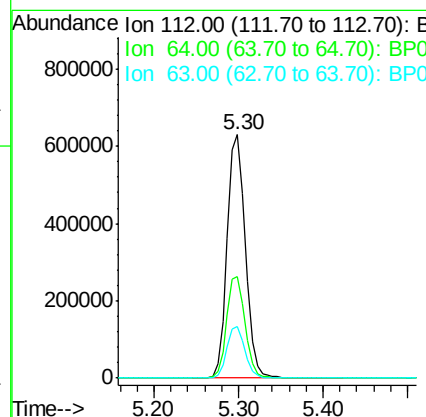
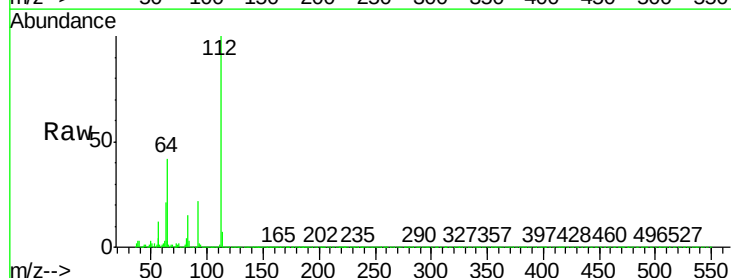
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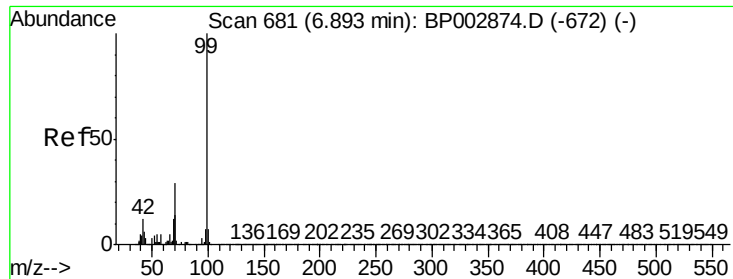


#5

2-Fluorophenol
Concen: 32.476 ng
RT: 5.30 min Scan# 410
Delta R.T. -0.01 min
Lab File: BP002992.D
Acq: 14 Aug 2020 19:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	41.6	33.8	50.8
63	21.1	17.2	25.8





#7

Phenol-d6

Concen: 28.009 ng

RT: 6.86 min Scan# 676

Delta R.T. -0.02 min

Lab File: BP002992.D

Acq: 14 Aug 2020 19:19

Instrument :

BNA_P

ClientSampleId :

N48765

Tot Ion: 99 Resp: 1128402

Ion Ratio Lower Upper

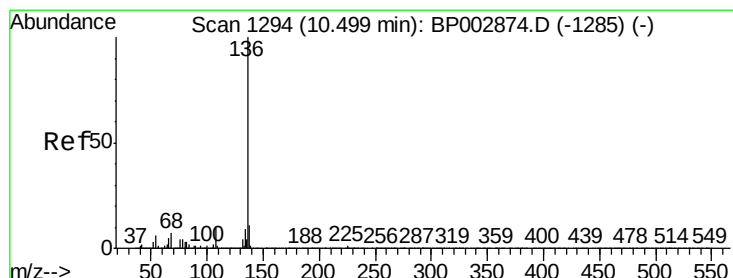
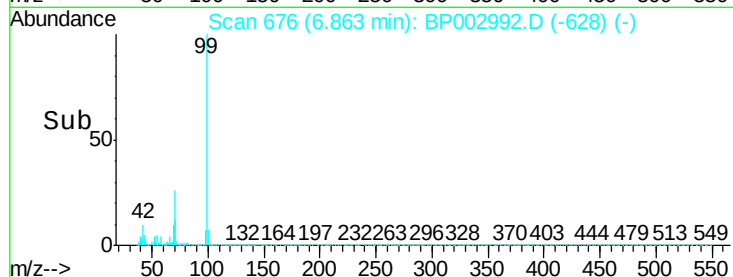
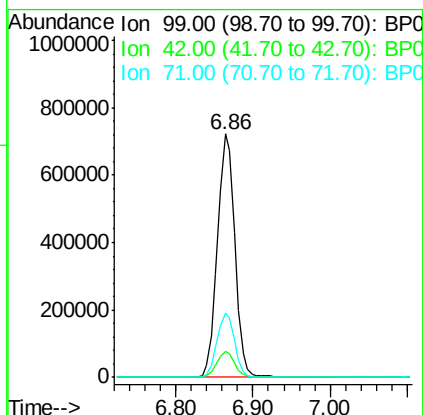
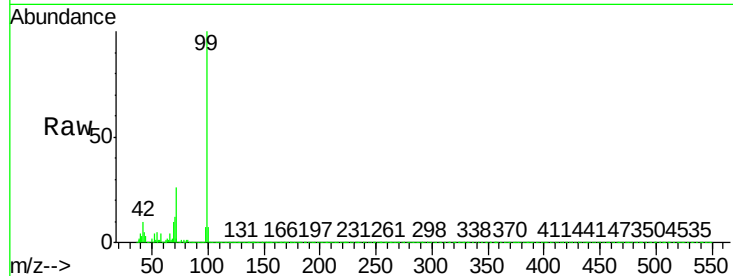
99 100

42 10.5 8.1 12.1

71 26.4 21.0 31.4

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.47 min Scan# 1289

Delta R.T. -0.01 min

Lab File: BP002992.D

Acq: 14 Aug 2020 19:19

Tgt Ion: 136 Resp: 1563983

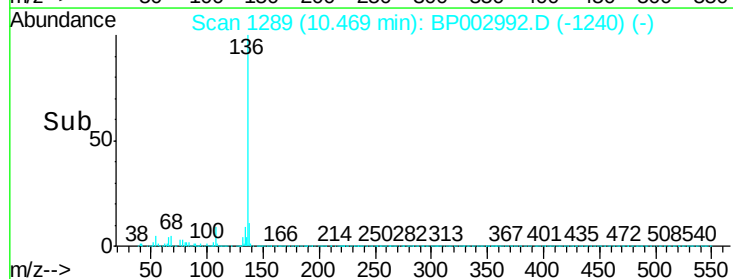
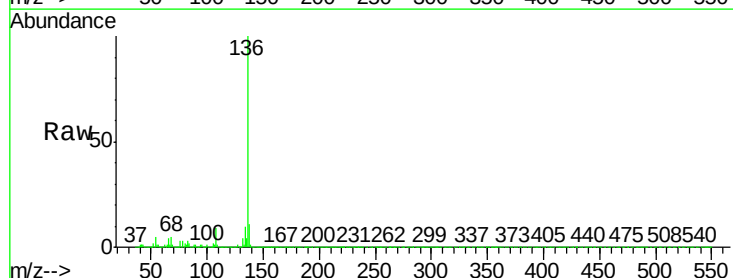
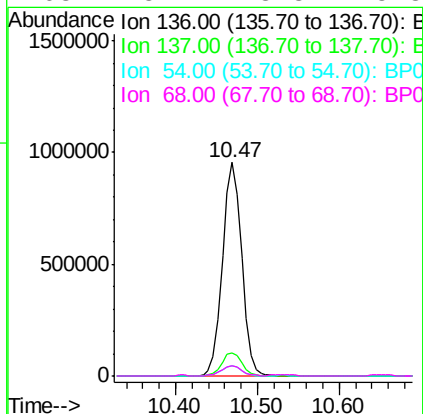
Ion Ratio Lower Upper

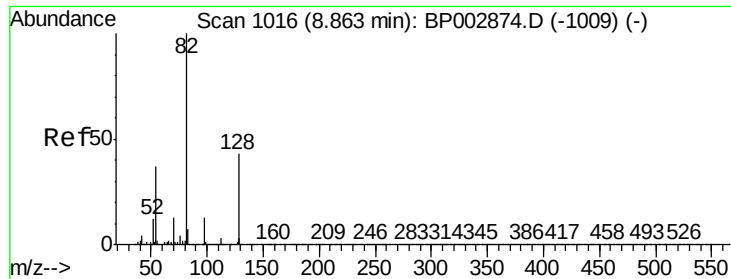
136 100

137 11.1 9.0 13.4

54 5.0 3.9 5.9

68 5.1 3.8 5.8





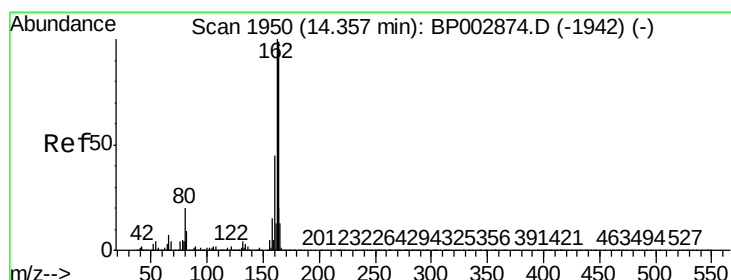
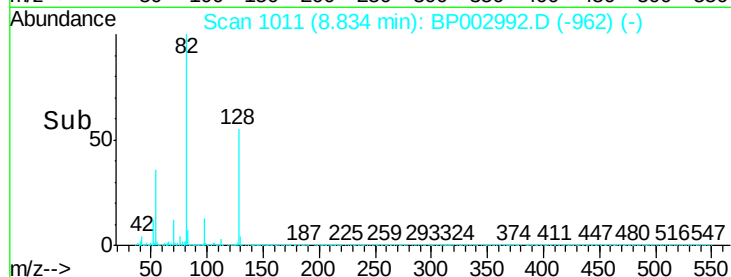
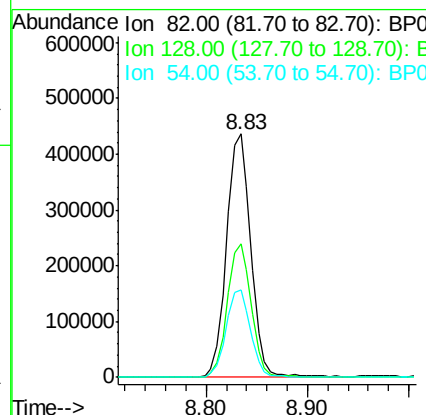
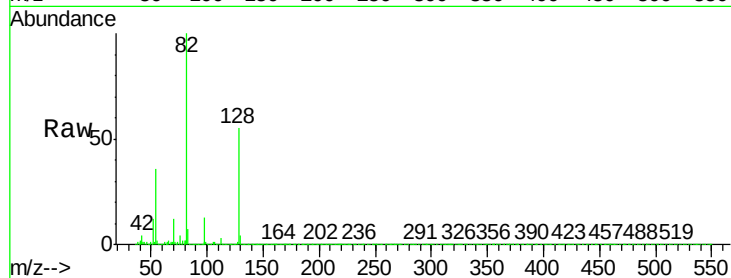
#23
Nitrobenzene-d5
Concen: 24.977 ng
RT: 8.83 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BP002992.D
Acq: 14 Aug 2020 19:19

Instrument :
BNA_P
ClientSampled :
N48765

Tot Ion	82	Resp	721226
Ion Ratio	Lower	Upper	
82	100		
128	55.0	44.6	66.8
54	36.0	29.2	43.8

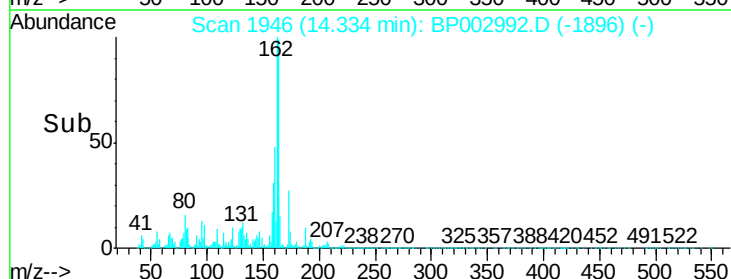
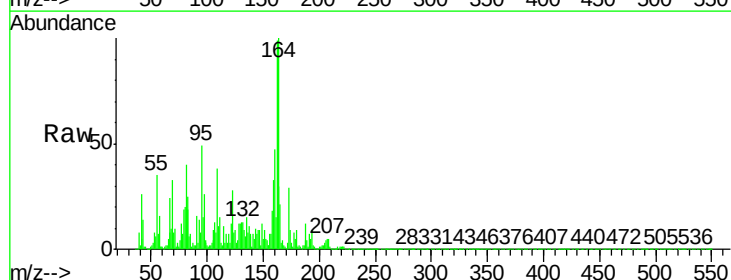
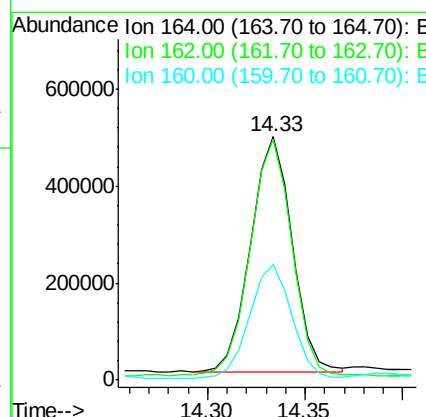
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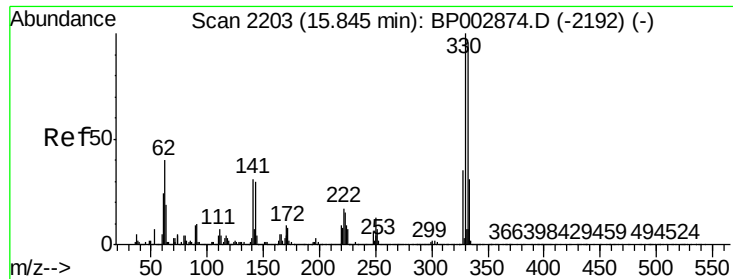
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.33 min Scan# 1946
Delta R.T. -0.01 min
Lab File: BP002992.D
Acq: 14 Aug 2020 19:19

Tgt Ion	164	Resp	709805
Ion Ratio	Lower	Upper	
164	100		
162	98.8	81.0	121.4
160	47.3	36.2	54.4





#42

2,4,6-Tribromophenol

Concen: 35.657 ng

RT: 15.83 min Scan# 2201

Delta R.T. -0.00 min

Lab File: BP002992.D

Acq: 14 Aug 2020 19:19

Instrument :

BNA_P

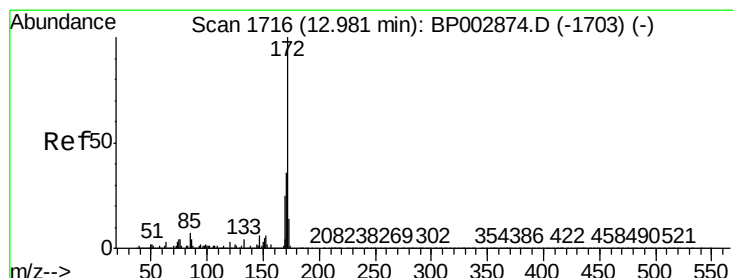
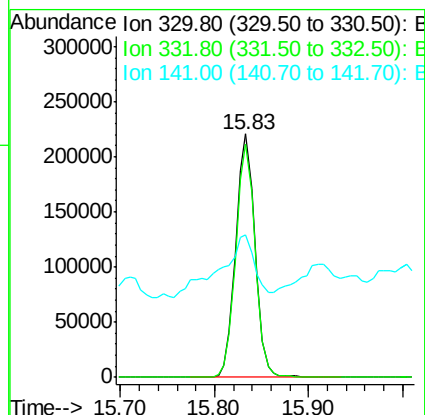
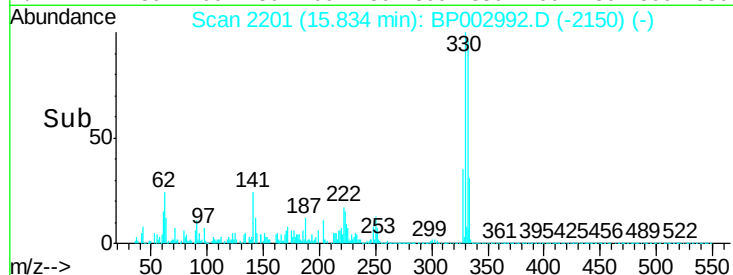
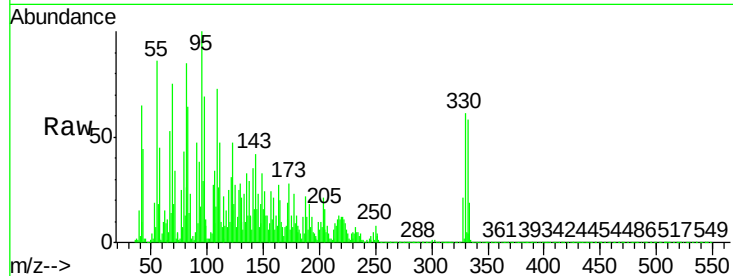
ClientSampled :

N48765

Tot Ion:	330	Resp:	314566
Ion Ratio	Lower	Upper	
330	100		
332	96.2	77.0	115.4
141	46.7	28.6	43.0#

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#45

2-Fluorobiphenyl

Concen: 31.884 ng

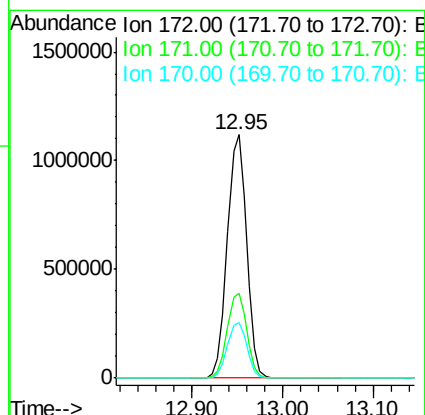
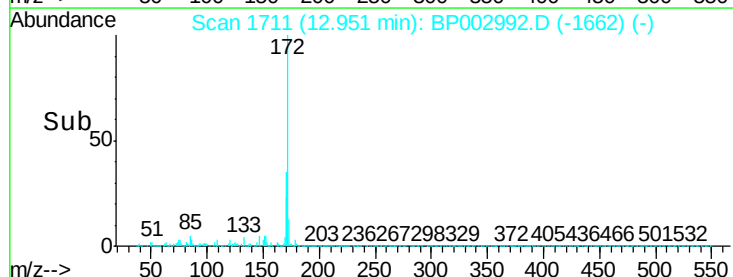
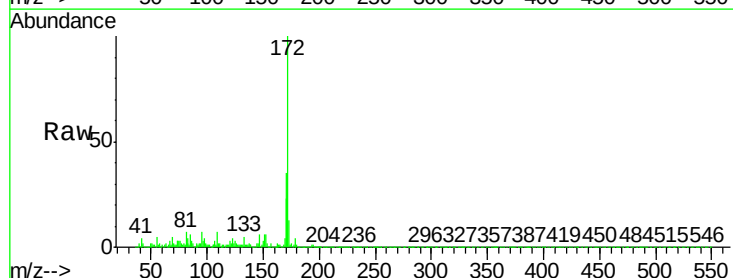
RT: 12.95 min Scan# 1711

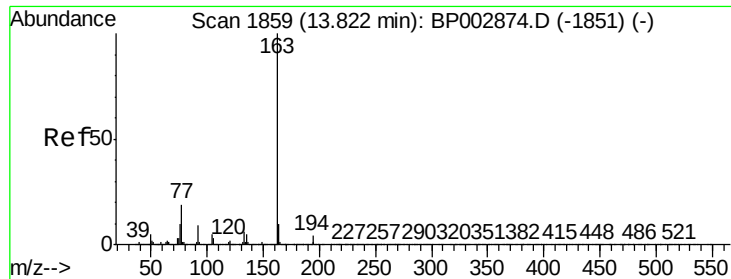
Delta R.T. -0.01 min

Lab File: BP002992.D

Acq: 14 Aug 2020 19:19

Tgt Ion:	172	Resp:	1656411
Ion Ratio	Lower	Upper	
172	100		
171	35.0	29.6	44.4
170	22.9	19.6	29.4





#50

Dimethylphthalate

Concen: 3.957 ng

RT: 13.79 min Scan# 1853

Delta R.T. -0.02 min

Lab File: BP002992.D

Acq: 14 Aug 2020 19:19

Instrument :

BNA_P

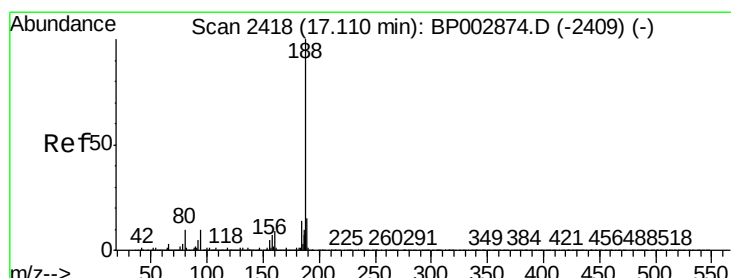
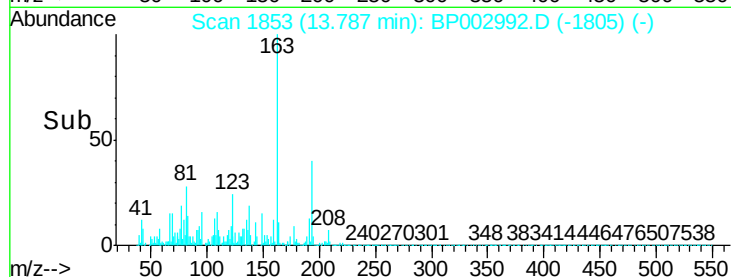
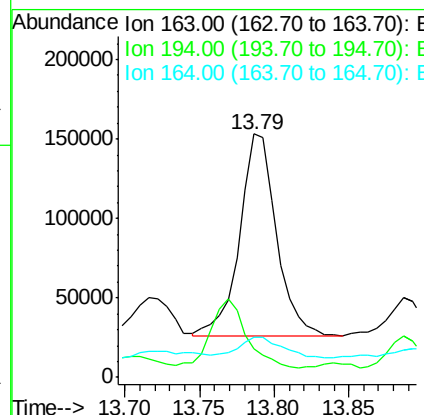
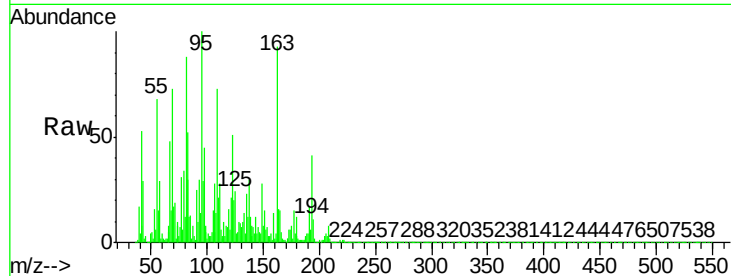
ClientSampleId :

N48765

Tot Ion:	163	Resp:	219651
Ion Ratio	Lower	Upper	
163	100		
194	11.9	3.4	5.0#
164	16.7	8.2	12.4#

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#64

Phenanthrene-d10

Concen: 20.000 ng

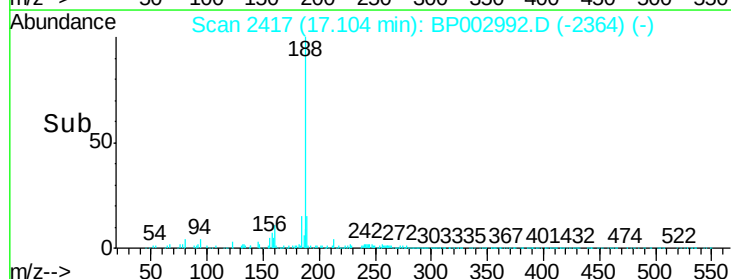
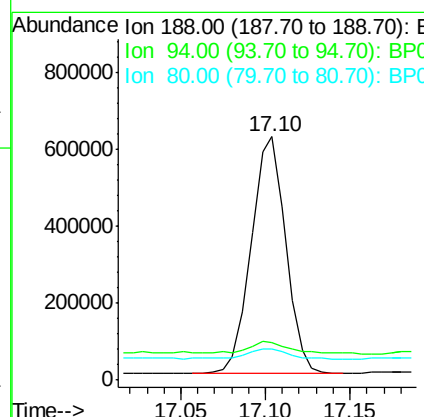
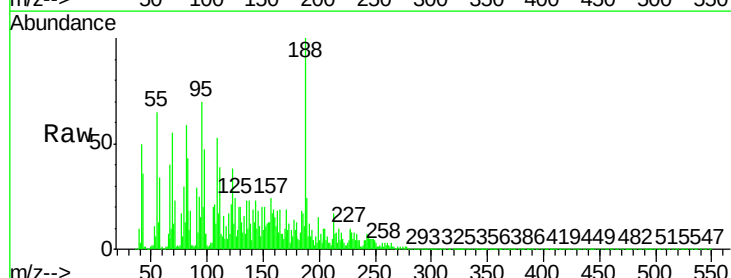
RT: 17.10 min Scan# 2417

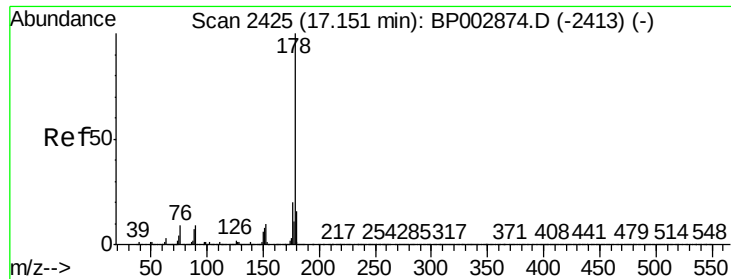
Delta R.T. 0.01 min

Lab File: BP002992.D

Acq: 14 Aug 2020 19:19

Tgt Ion:	188	Resp:	875176
Ion Ratio	Lower	Upper	
188	100		
94	15.3	7.0	10.6#
80	13.0	7.0	10.6#





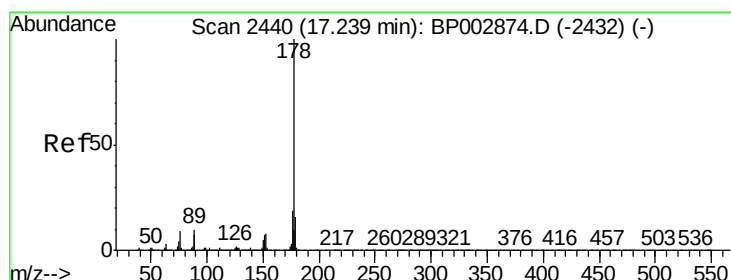
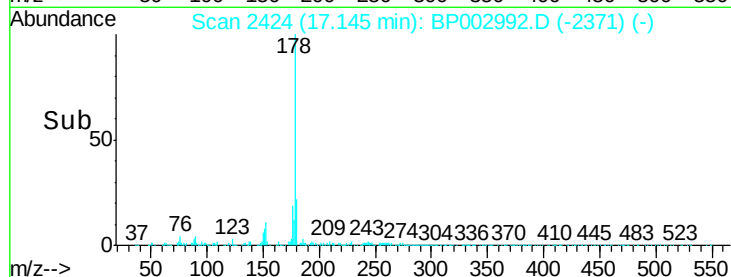
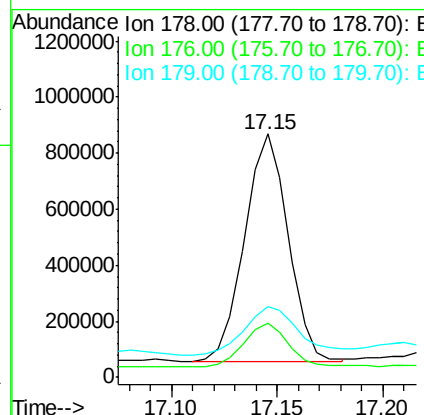
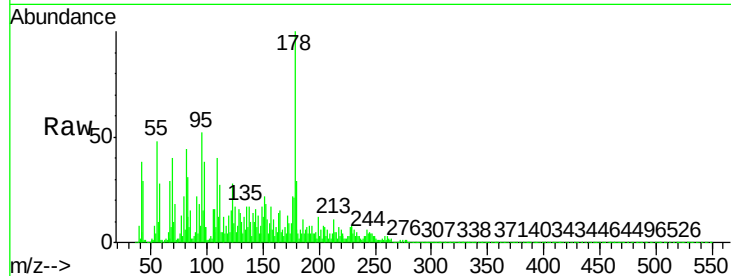
#71
Phenanthrene
Concen: 22.720 ng
RT: 17.15 min Scan# 2424
Delta R.T. 0.01 min
Lab File: BP002992.D
Acq: 14 Aug 2020 19:19

Instrument :
BNA_P
ClientSampleId :
N48765

Tot Ion	Ratio	Lower	Upper
178	100		
176	22.2	16.2	24.2
179	29.3	13.0	19.4

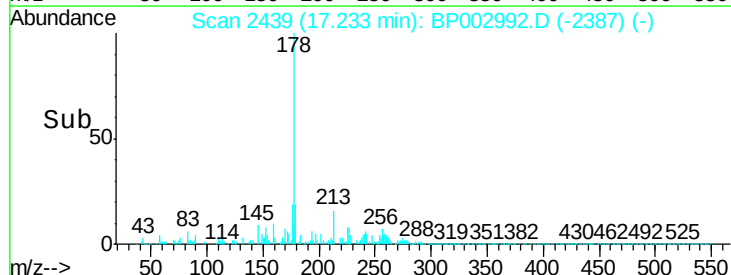
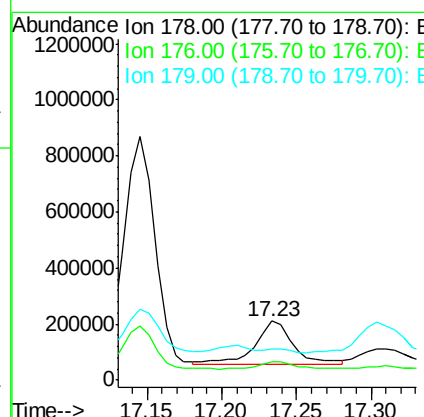
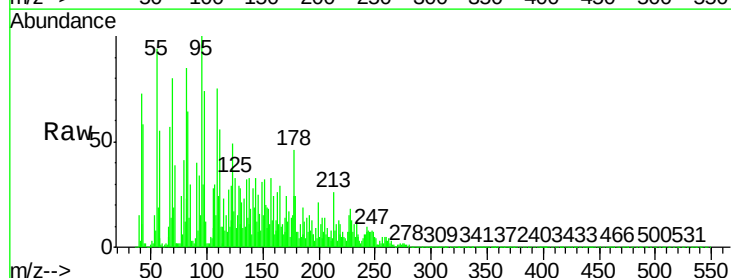
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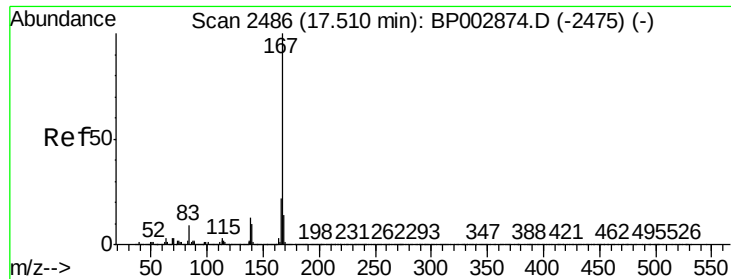
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#72
Anthracene
Concen: 5.311 ng
RT: 17.23 min Scan# 2439
Delta R.T. 0.01 min
Lab File: BP002992.D
Acq: 14 Aug 2020 19:19

Tgt Ion	Ratio	Lower	Upper
178	100		
176	32.1	15.4	23.2
179	52.7	12.8	19.2





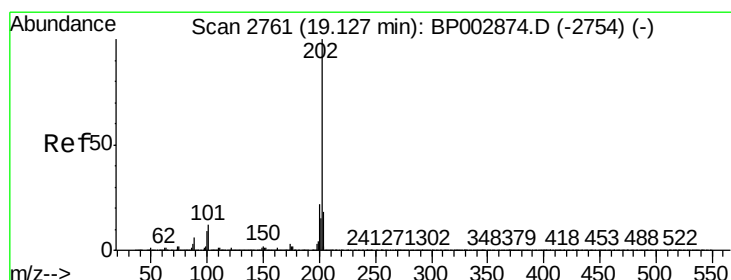
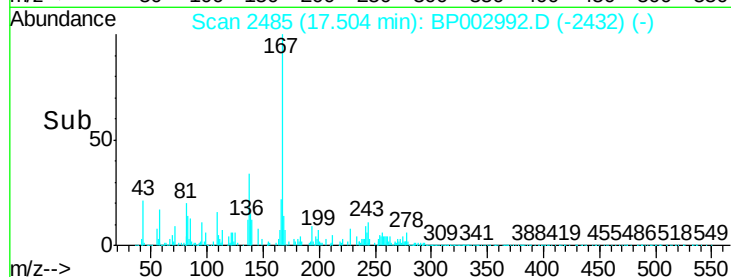
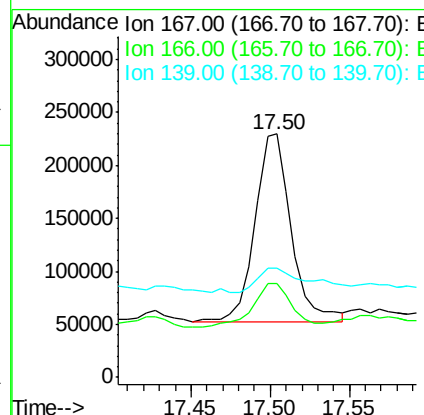
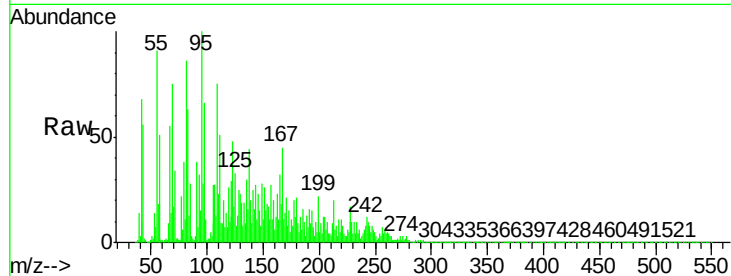
#73
 Carbazole
 Concen: 5.730 ng
 RT: 17.50 min Scan# 2485
 Delta R.T. 0.01 min
 Lab File: BP002992.D
 Acq: 14 Aug 2020 19:19

Instrument :
 BNA_P
 ClientSampleId :
 N48765

Tot Ion	Ratio	Lower	Upper
167	100		
166	38.5	17.8	26.8#
139	44.7	10.5	15.7#

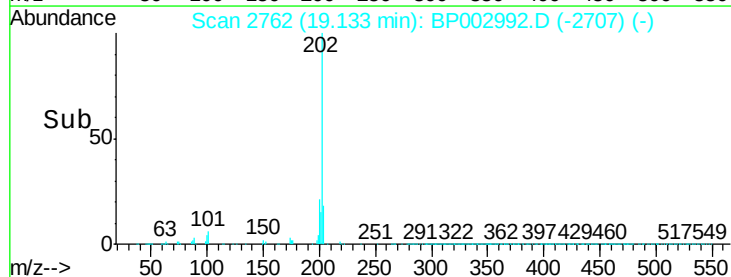
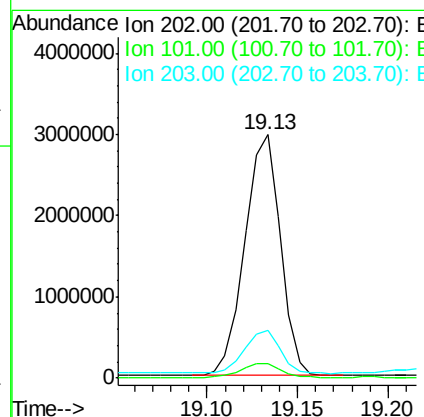
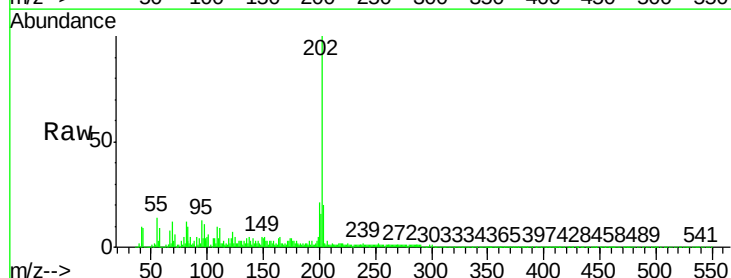
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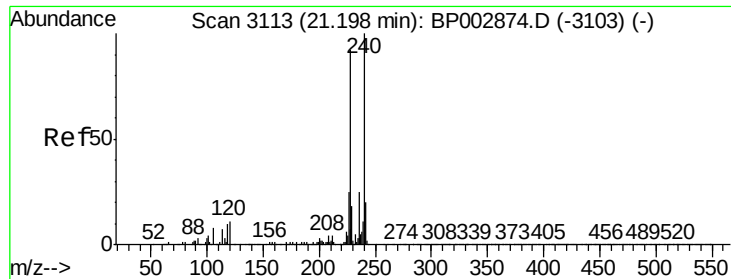
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#75
 Fluoranthene
 Concen: 68.468 ng
 RT: 19.13 min Scan# 2762
 Delta R.T. 0.02 min
 Lab File: BP002992.D
 Acq: 14 Aug 2020 19:19

Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.0	0.0	32.0
203	19.7	0.0	38.5





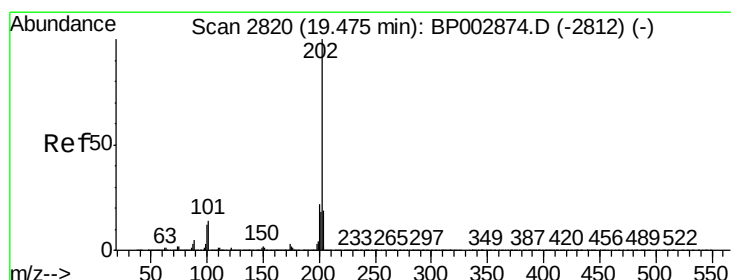
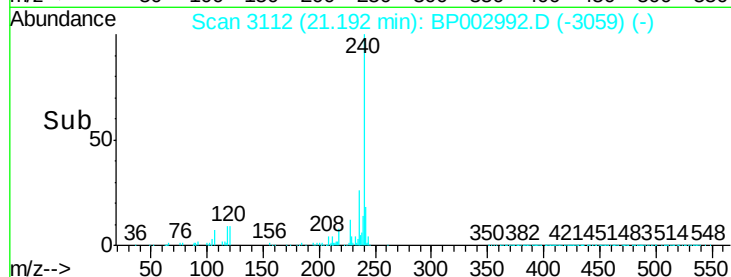
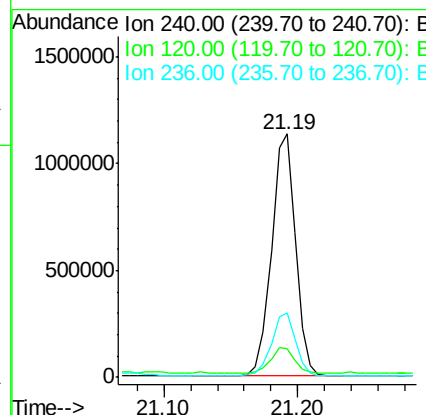
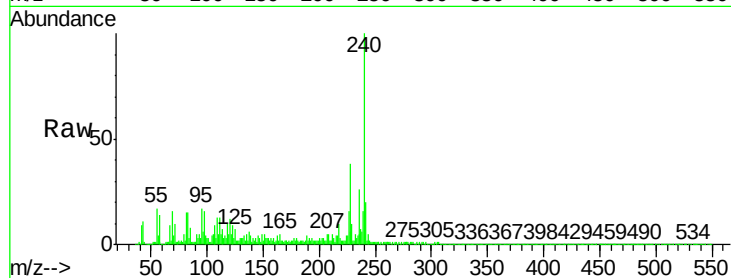
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.19 min Scan# 3112
Delta R.T. 0.01 min
Lab File: BP002992.D
Acq: 14 Aug 2020 19:19

Instrument :
BNA_P
ClientSampleId :
N48765

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.6	10.6	16.0
236	26.4	20.7	31.1

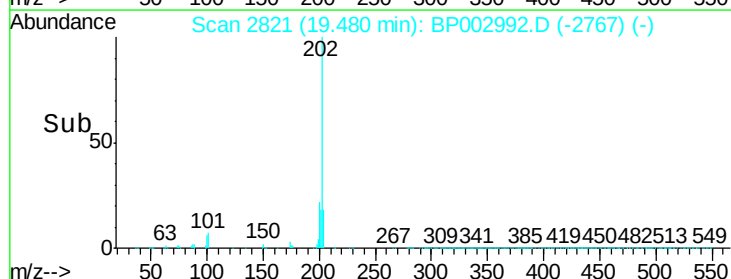
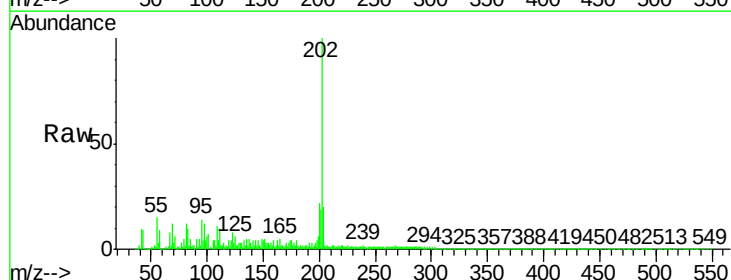
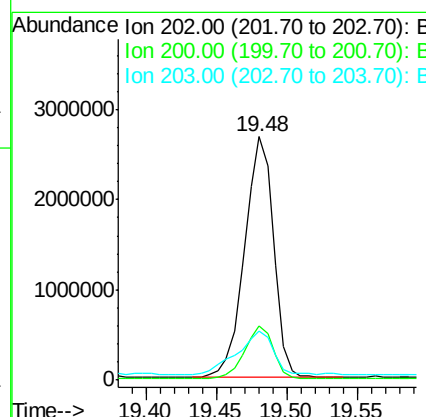
Manual Integrations
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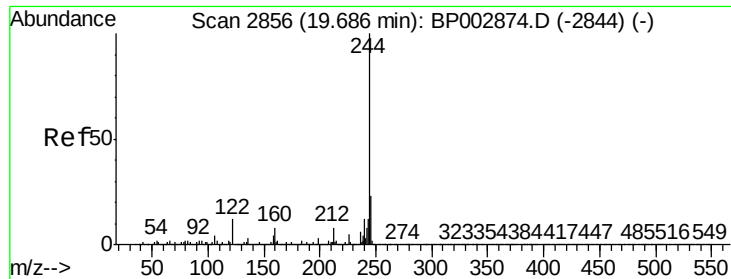
mohammad
8/18/2020 1:49:34 PM



#78
Pyrene
Concen: 38.764 ng
RT: 19.48 min Scan# 2821
Delta R.T. 0.02 min
Lab File: BP002992.D
Acq: 14 Aug 2020 19:19

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.9	26.9
203	20.0	14.8	22.2





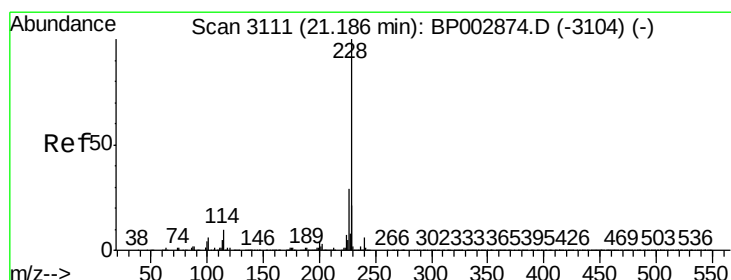
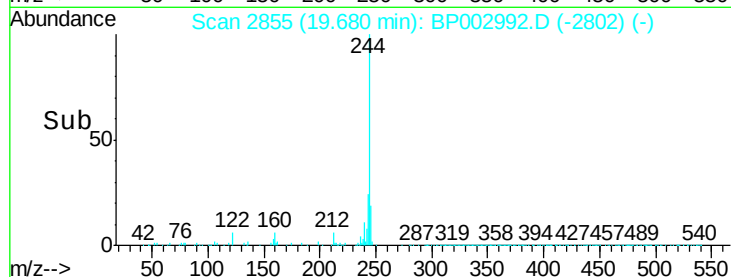
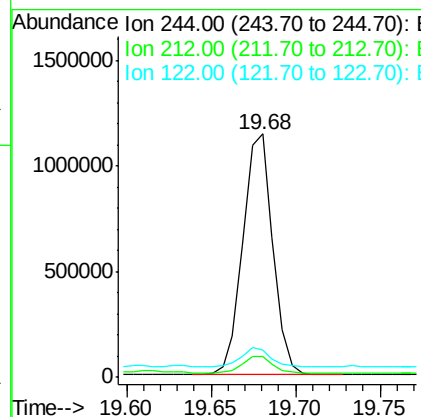
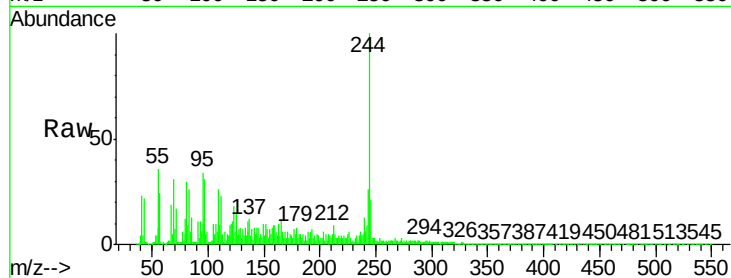
#79
 Terphenyl-d14
 Concen: 19.844 ng
 RT: 19.68 min Scan# 2855
 Delta R.T. 0.01 min
 Lab File: BP002992.D
 Acq: 14 Aug 2020 19:19

Instrument :
 BNA_P
 ClientSampleId :
 N48765

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.8	6.3	9.5
122	11.1	9.9	14.9

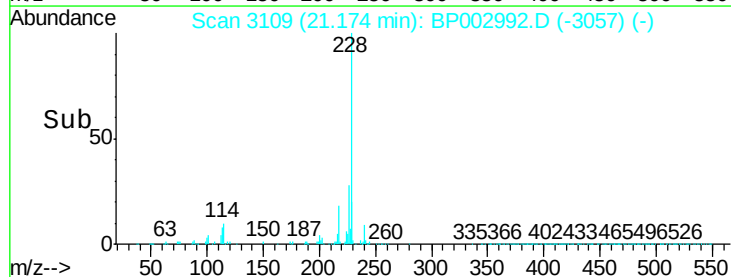
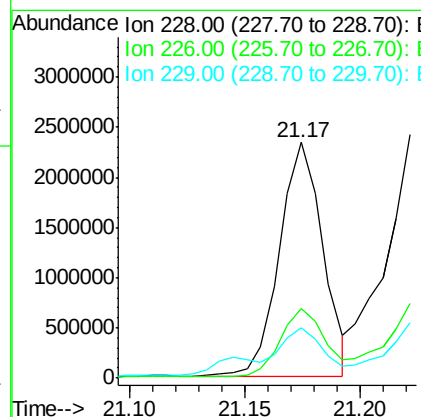
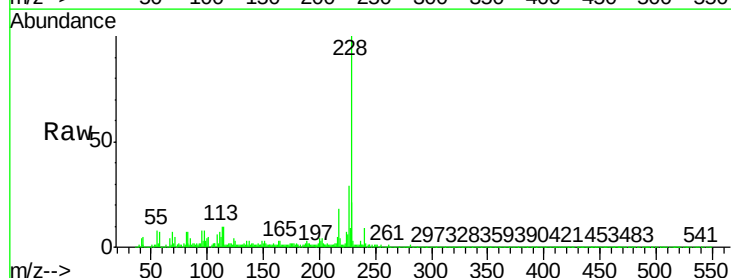
Manual Integrations
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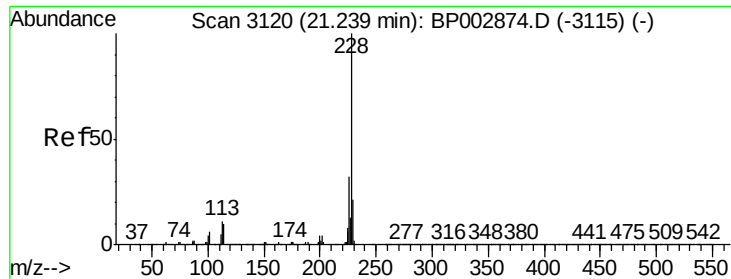
mohammad
 8/18/2020 1:49:34 PM



#81
 Benzo(a)anthracene
 Concen: 31.650 ng
 RT: 21.17 min Scan# 3109
 Delta R.T. 0.01 min
 Lab File: BP002992.D
 Acq: 14 Aug 2020 19:19

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.9	34.3
229	21.3	16.6	25.0





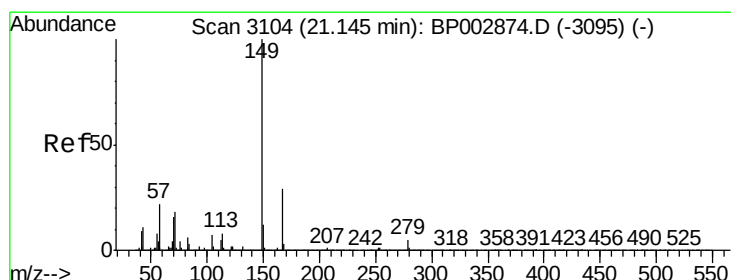
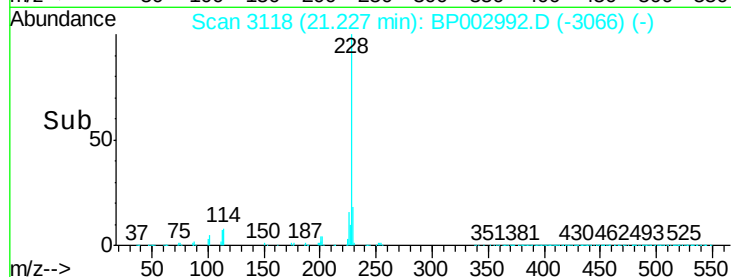
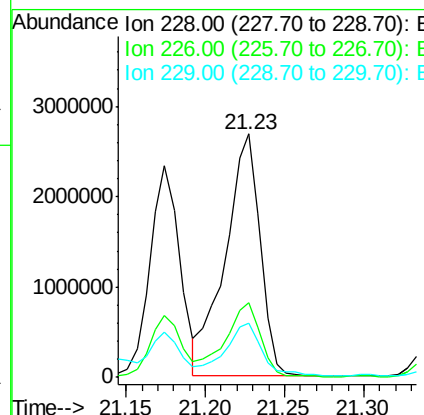
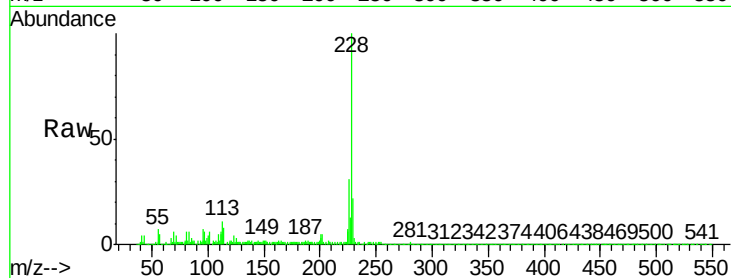
#83
Chrysene
Concen: 45.083 ng
RT: 21.23 min Scan# 3118
Delta R.T. 0.01 min
Lab File: BP002992.D
Acq: 14 Aug 2020 19:19

Instrument :
BNA_P
ClientSampleId :
N48765

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.0	37.4
229	22.2	16.4	24.6

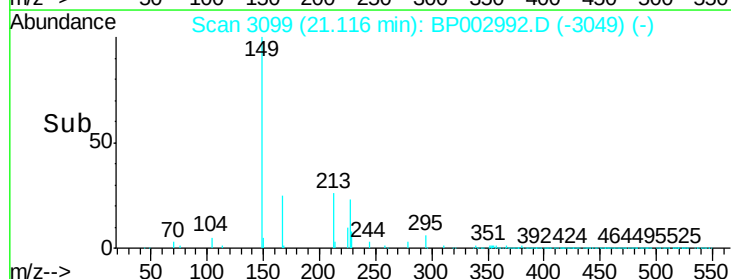
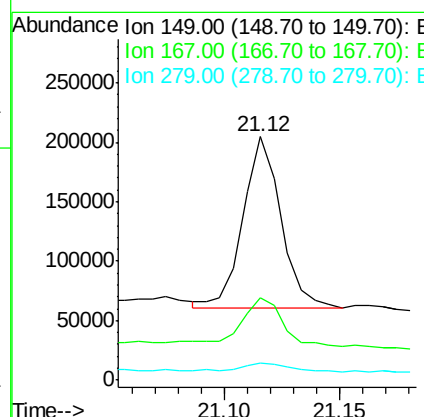
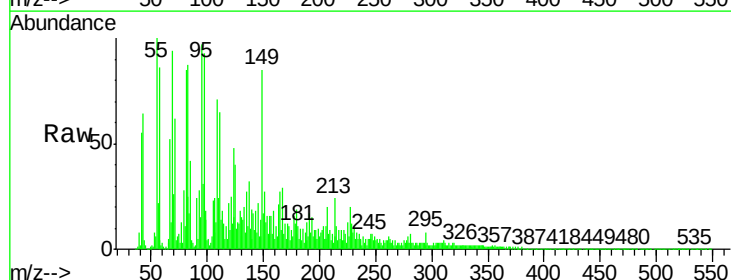
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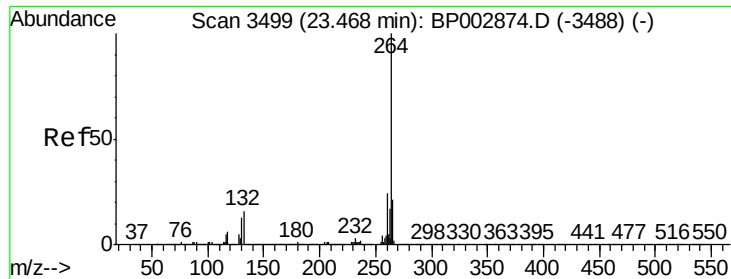
mohammad
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#84
Bis(2-ethylhexyl)phthalate
Concen: 3.016 ng
RT: 21.12 min Scan# 3099
Delta R.T. -0.01 min
Lab File: BP002992.D
Acq: 14 Aug 2020 19:19

Tgt Ion	Ratio	Lower	Upper
149	100		
167	33.9	23.0	34.6
279	6.9	3.8	5.6#





#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.44 min Scan# 3494
Delta R.T. 0.01 min
Lab File: BP002992.D
Acq: 14 Aug 2020 19:19

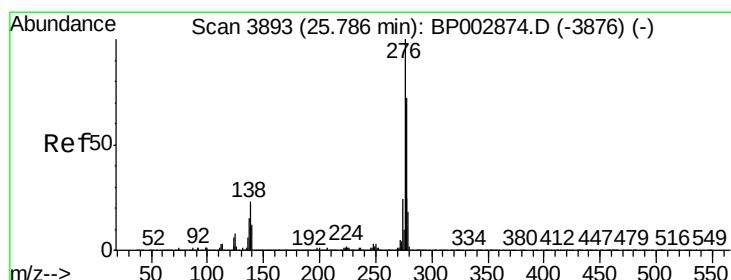
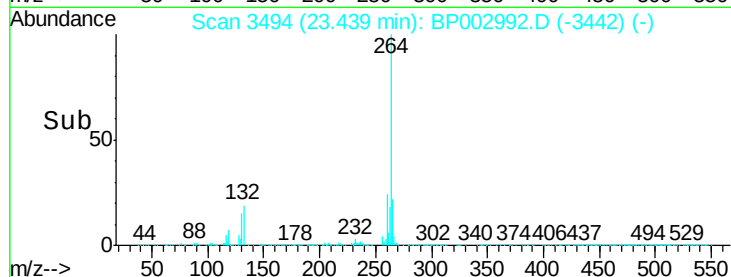
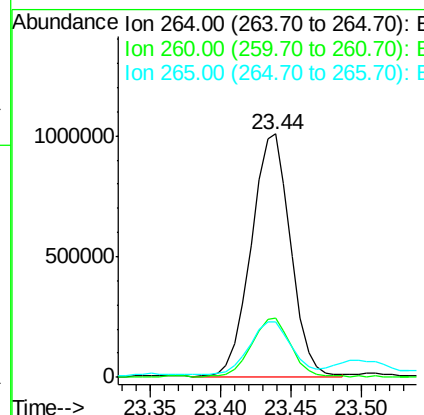
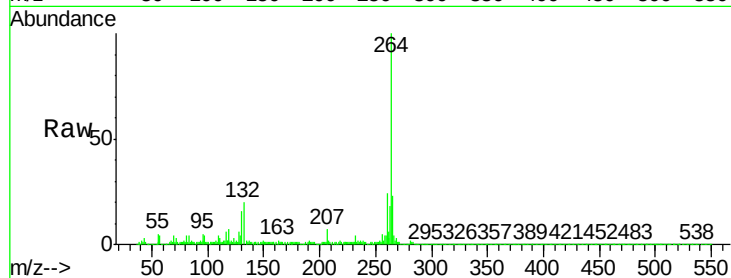
Instrument :
BNA_P
ClientSampled :
N48765

Tot Ion:264 Resp: 1960538

Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.7	28.1
265	22.6	17.6	26.4

Manual Integrations
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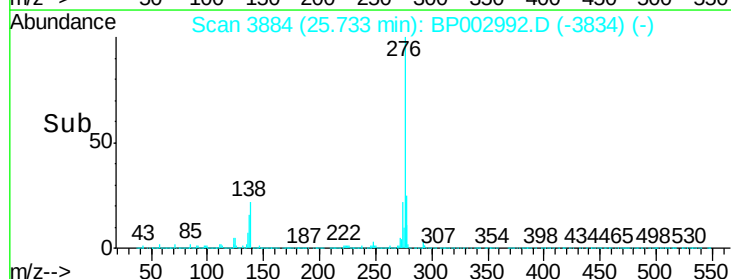
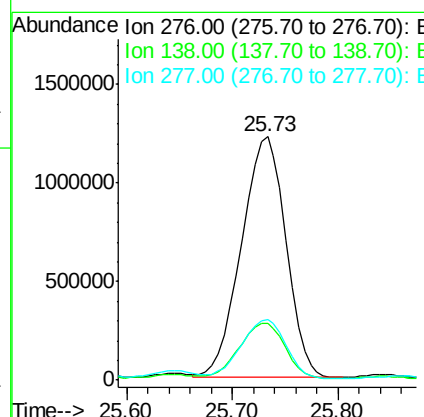
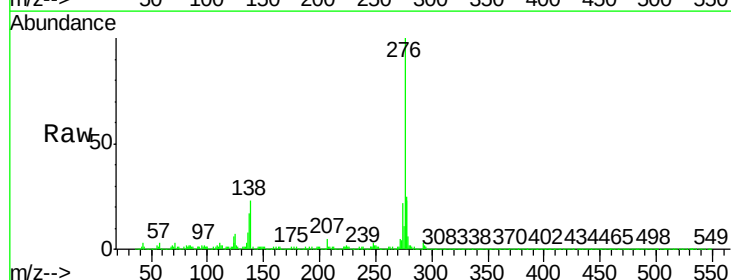
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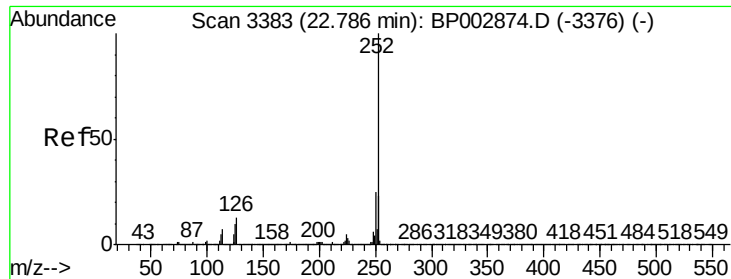


#87
Indeno(1,2,3-cd)pyrene
Concen: 22.814 ng
RT: 25.73 min Scan# 3884
Delta R.T. -0.01 min
Lab File: BP002992.D
Acq: 14 Aug 2020 19:19

Tgt Ion:276 Resp: 3582025

Ion	Ratio	Lower	Upper
276	100		
138	23.5	23.4	35.0
277	25.0	20.3	30.5





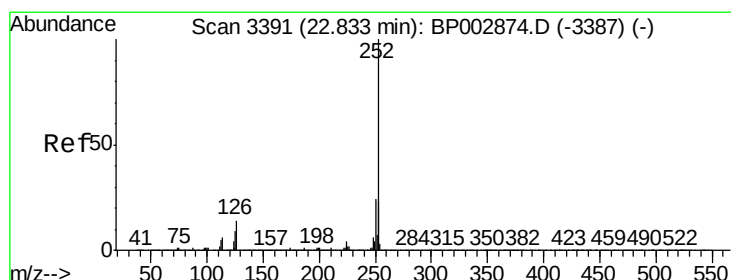
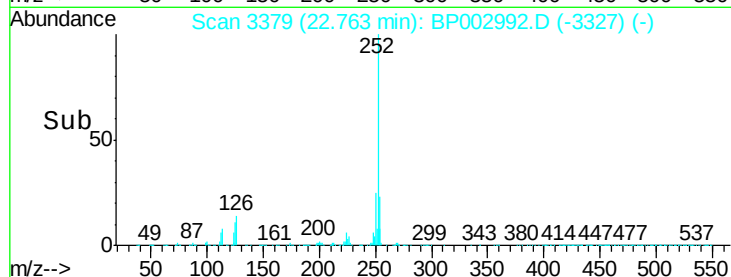
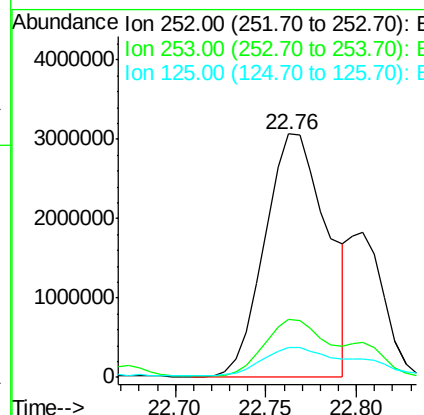
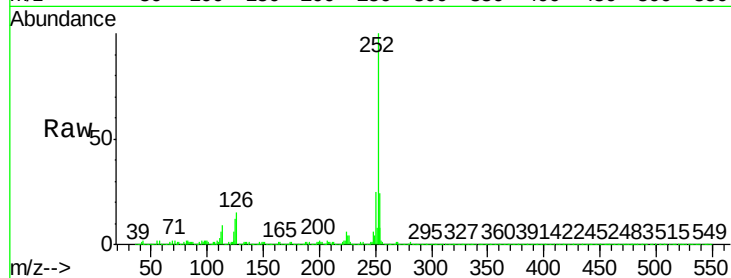
#88
Benzo(b)fluoranthene
Concen: 53.135 ng
RT: 22.76 min Scan# 3379
Delta R.T. 0.01 min
Lab File: BP002992.D
Acq: 14 Aug 2020 19:19

Instrument :
BNA_P
ClientSampleId :
N48765

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.2	27.2
125	12.2	9.3	13.9

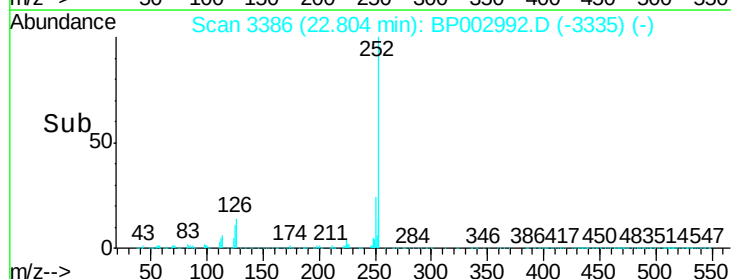
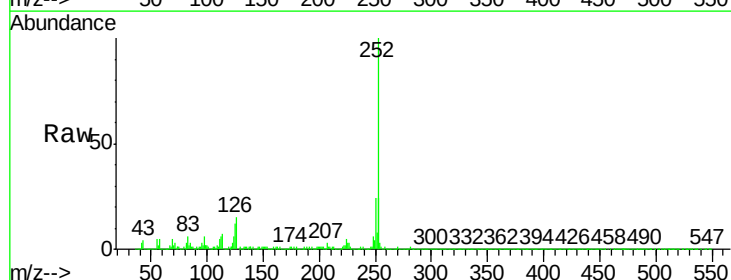
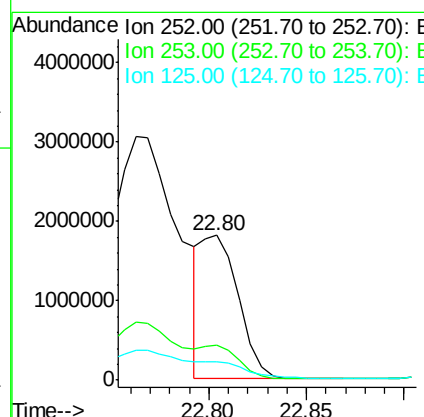
Manual Integrations
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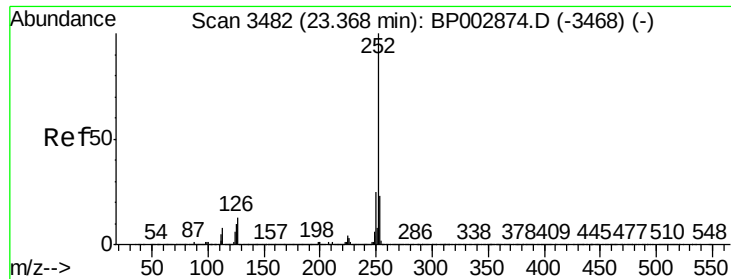
mohammad
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#89
Benzo(k)fluoranthene
Concen: 18.213 ng m
RT: 22.80 min Scan# 3386
Delta R.T. -0.00 min
Lab File: BP002992.D
Acq: 14 Aug 2020 19:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.1	27.1
125	12.4	9.5	14.3





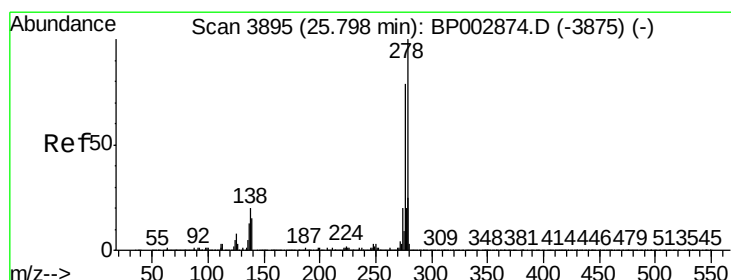
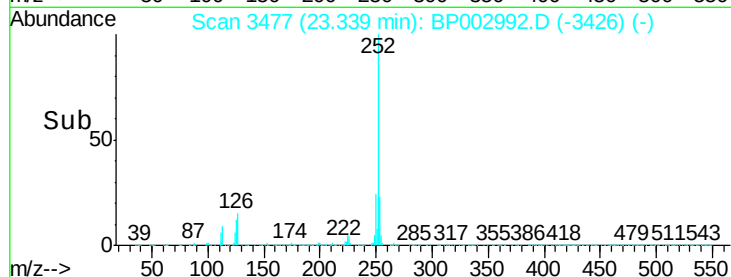
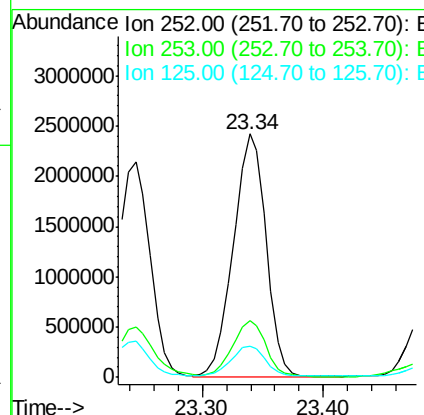
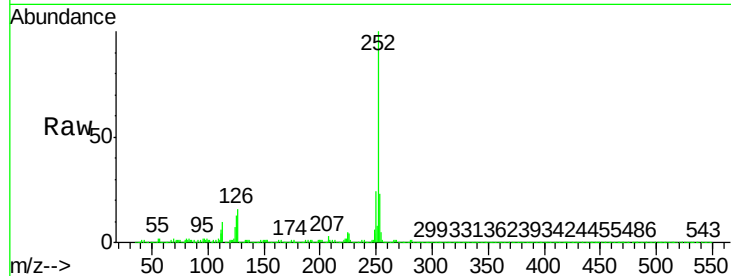
#90
Benzo(a)pyrene
Concen: 36.236 ng
RT: 23.34 min Scan# 3477
Delta R.T. -0.00 min
Lab File: BP002992.D
Acq: 14 Aug 2020 19:19

Instrument :
BNA_P
ClientSampleId :
N48765

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.8
125	13.0	10.2	15.2

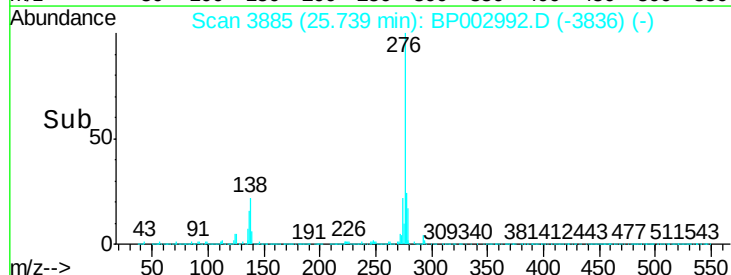
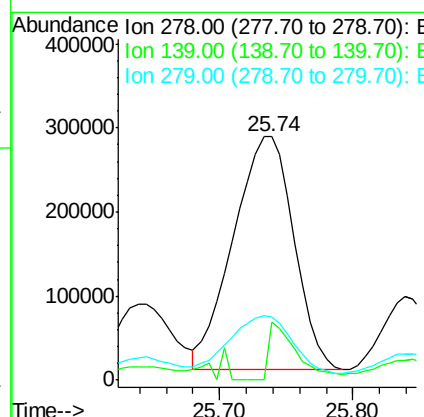
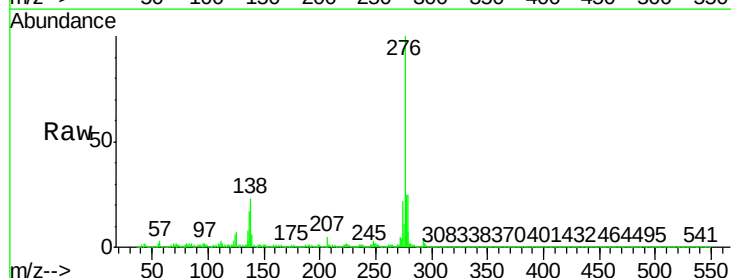
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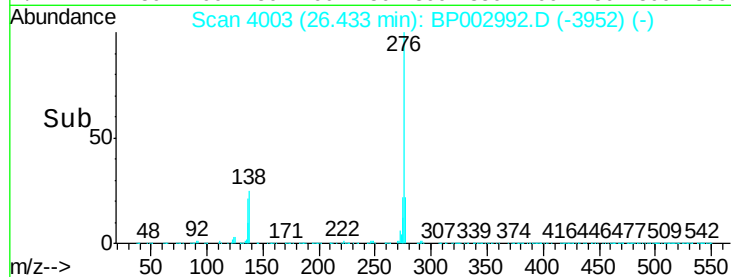
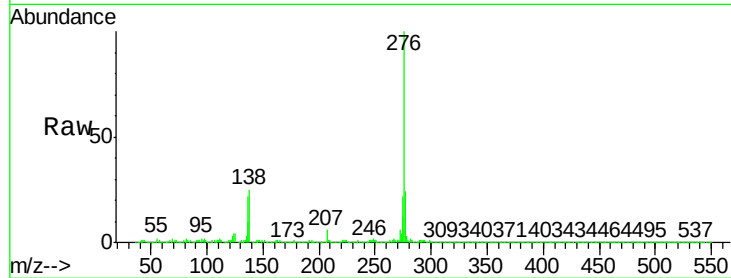
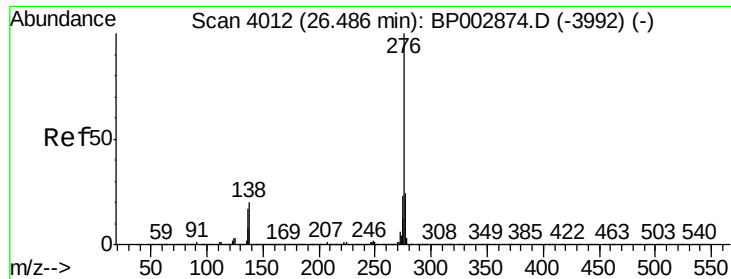
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 6.554 ng m
RT: 25.74 min Scan# 3885
Delta R.T. -0.01 min
Lab File: BP002992.D
Acq: 14 Aug 2020 19:19

Tgt Ion	Ratio	Lower	Upper
278	100		
139	24.0	15.3	22.9#
279	25.7	19.1	28.7





#92

Benzo(a,h,i)perylene

Concen: 31.187 ng

RT: 26.43 min Scan# 4003

Delta R.T. -0.00 min

Lab File: BP002992.D

Acq: 14 Aug 2020 19:19

Instrument :

BNA_P

ClientSampleId :

N48765

Tot Ion: 276 Resp: 4030154

Ion Ratio Lower Upper

276 100

277 23.8 19.2 28.8

138 25.3 19.9 29.9

Manual Integrations

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