

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090820\
 Data File : BP003236.D
 Acq On : 08 Sep 2020 20:20
 Operator : CG/JU
 Sample : L3915-13
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 WC-PM-A2-10-14-C

Manual Integrations
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 9/9/2020 3:50:21 PM

Quant Time: Sep 14 08:12:40 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP082420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 01 14:37:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	255952	20.00	ng	0.00
21) Naphthalene-d8	10.44	136	808458	20.00	ng	0.00
39) Acenaphthene-d10	14.31	164	430540	20.00	ng	0.02
64) Phenanthrene-d10	17.06	188	799865	20.00	ng	0.02
76) Chrysene-d12	21.15	240	883079	20.00	ng	0.00
86) Perylene-d12	23.39	264	1001850	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	1243127	85.87	ng	0.00
7) Phenol-d6	6.84	99	1458600	80.37	ng	0.00
23) Nitrobenzene-d5	8.80	82	831842	74.18	ng	0.00
42) 2,4,6-Tribromophenol	15.81	330	514211	88.31	ng	0.02
45) 2-Fluorobiphenyl	12.92	172	1875296	63.79	ng	0.00
79) Terphenyl-d14	19.63	244	1951174	48.62	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.49	128	2225252	53.574	ng	# 96
37) 2-Methylnaphthalene	12.12	142	1640971	55.227	ng	97
38) 1-Methylnaphthalene	12.34	142	3757173	133.037	ng	# 100
49) Acenaphthylene	14.03	152	393863	9.854	ng	# 21
50) Dimethylphthalate	13.76	163	203669	6.203	ng	# 76
52) Acenaphthene	14.37	154	593132	24.154	ng	96
55) Dibenzofuran	14.71	168	728427m	18.888	ng	
58) Fluorene	15.36	166	937420	31.554	ng	# 88
71) Phenanthrene	17.11	178	4784023	110.379	ng	97
72) Anthracene	17.19	178	536393m	12.931	ng	
75) Fluoranthene	19.09	202	2659250	53.086	ng	98
78) Pyrene	19.43	202	2645598	46.159	ng	99
81) Benzo(a)anthracene	21.13	228	1040604	18.812	ng	96
83) Chrysene	21.19	228	1108803m	20.936	ng	
87) Indeno(1,2,3-cd)pyrene	25.67	276	915600	12.255	ng	96
88) Benzo(b)fluoranthene	22.72	252	1664856m	26.737	ng	
89) Benzo(k)fluoranthene	22.75	252	440139m	7.398	ng	
90) Benzo(a)pyrene	23.29	252	934788	16.182	ng	97
91) Dibenzo(a,h)anthracene	25.66	278	229808	3.744	ng	# 85
92) Benzo(a,h,i)perylene	26.36	276	1068887	17.354	ng	98

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

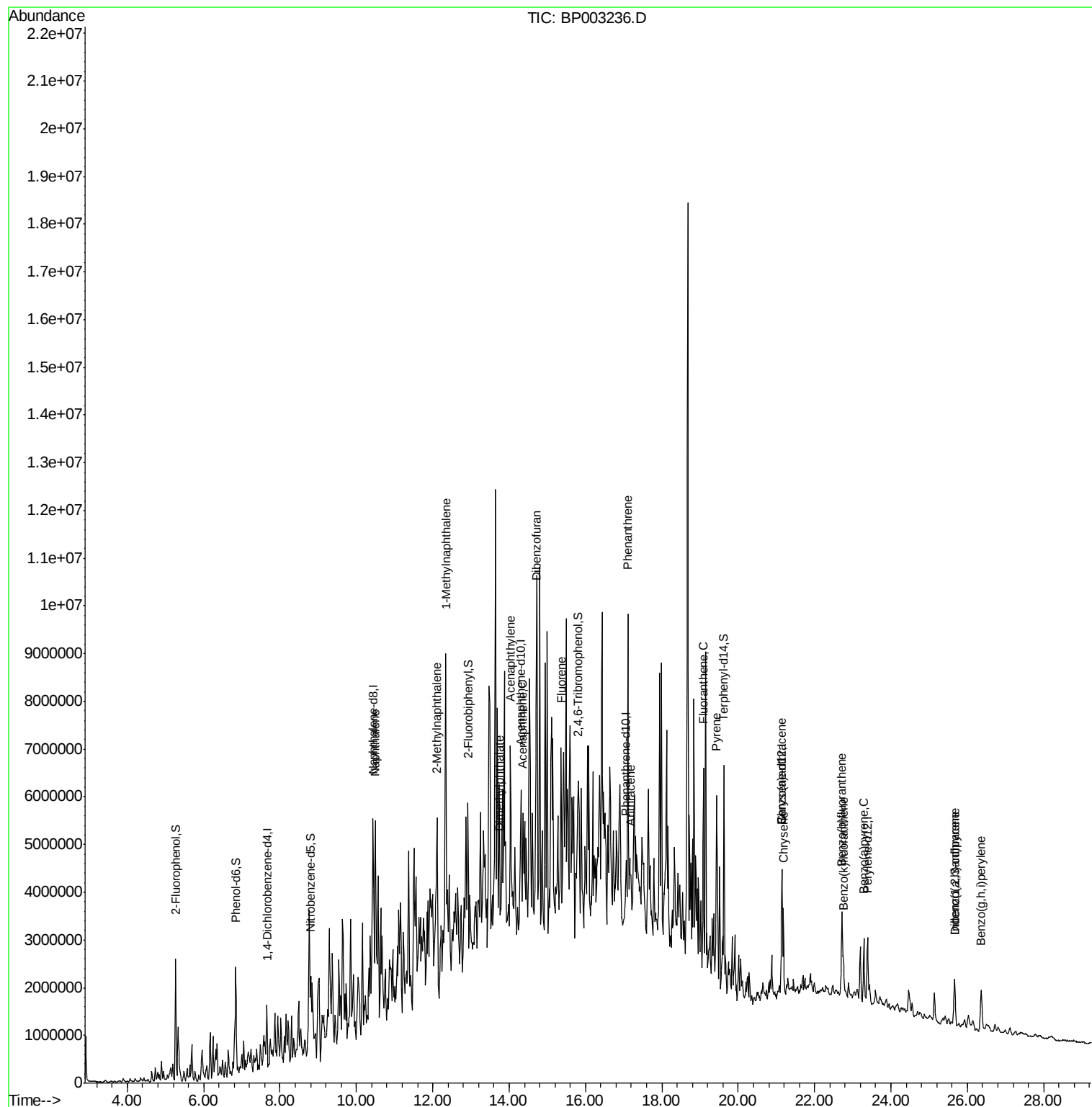
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090820\
Data File : BP003236.D
Acq On : 08 Sep 2020 20:20
Operator : CG/JU
Sample : L3915-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

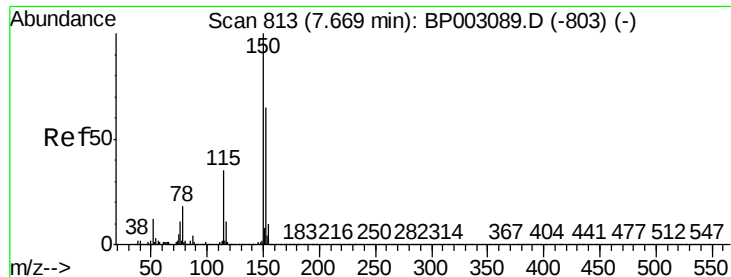
Instrument :
BNA_P
ClientSampleId :
WC-PM-A2-10-14-C

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Quant Time: Sep 14 08:12:40 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP082420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

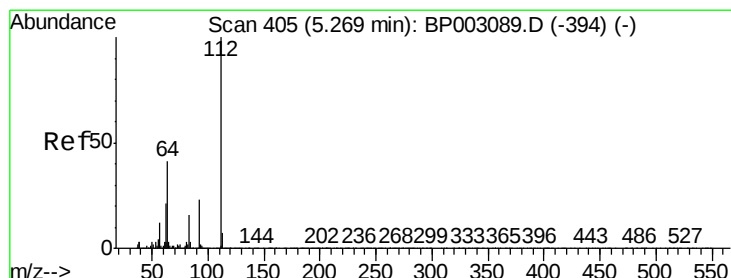
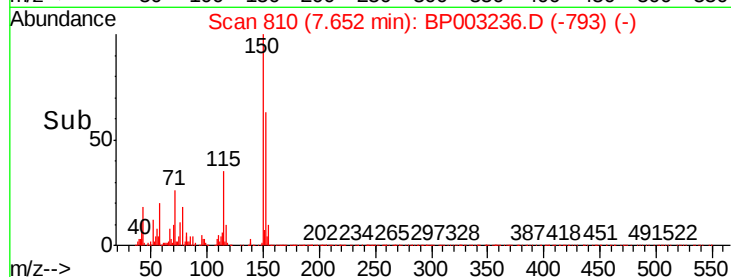
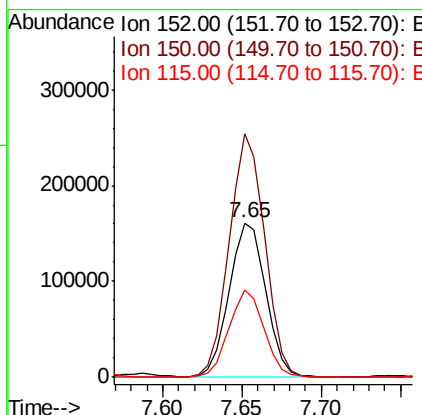
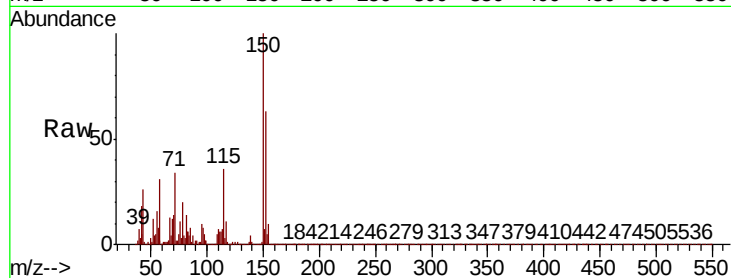
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.65 min Scan# 810
Delta R.T. -0.00 min
Lab File: BP003236.D
Acq: 08 Sep 2020 20:20

Instrument :
BNA_P
ClientSampleId :
WC-PM-A2-10-14-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	123.8	185.6
115	56.6	43.8	65.6

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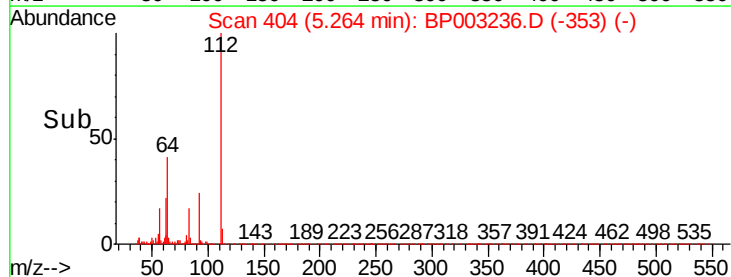
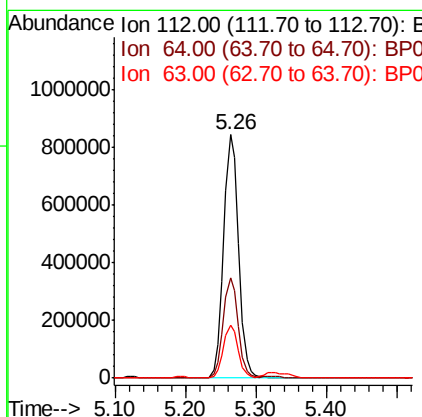
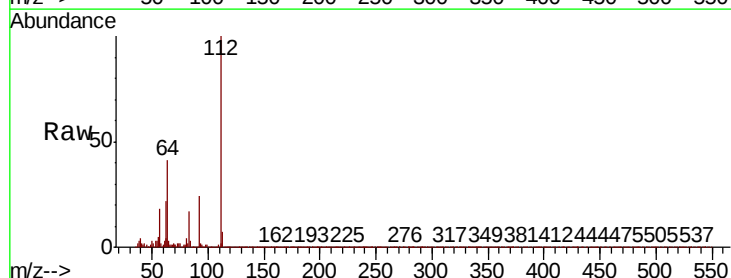
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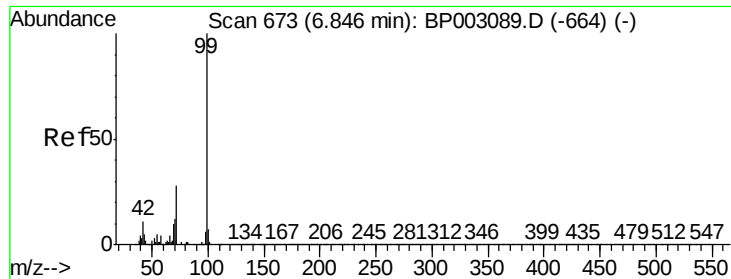


#5

2-Fluorophenol
Concen: 85.871 ng
RT: 5.26 min Scan# 404
Delta R.T. -0.00 min
Lab File: BP003236.D
Acq: 08 Sep 2020 20:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	40.9	32.8	49.2
63	22.0	17.0	25.4





#7

Phenol-d6

Concen: 80.374 ng

RT: 6.84 min Scan# 672

Delta R.T. 0.01 min

Lab File: BP003236.D

Acq: 08 Sep 2020 20:20

Instrument :

BNA_P

ClientSampleId :

WC-PM-A2-10-14-C

Tot Ion: 99 Resp: 1458600

Ion Ratio Lower Upper

99 100

42 11.7 8.6 13.0

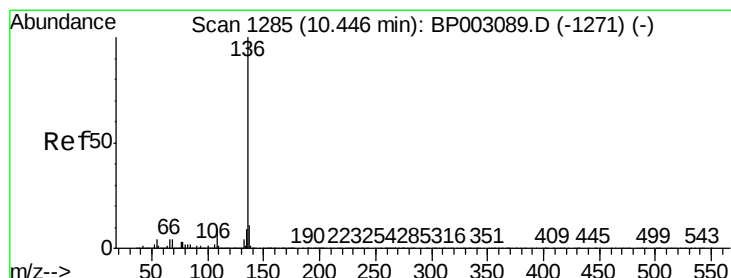
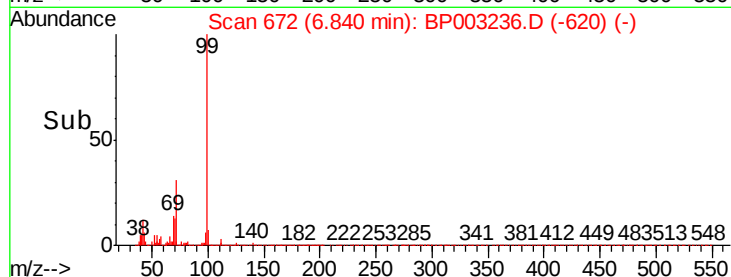
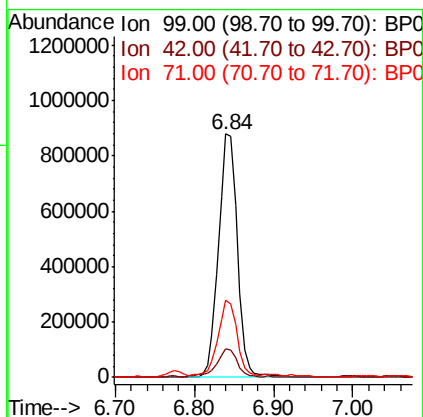
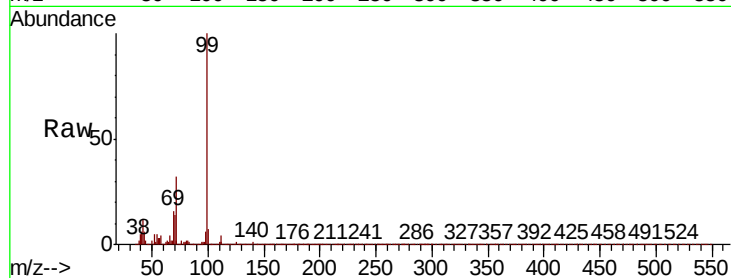
71 31.7 23.4 35.2

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.44 min Scan# 1284

Delta R.T. 0.01 min

Lab File: BP003236.D

Acq: 08 Sep 2020 20:20

Tgt Ion: 136 Resp: 808458

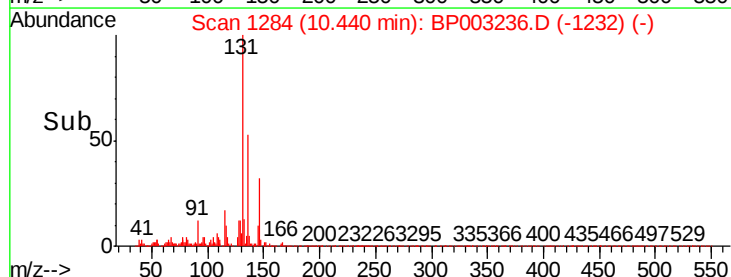
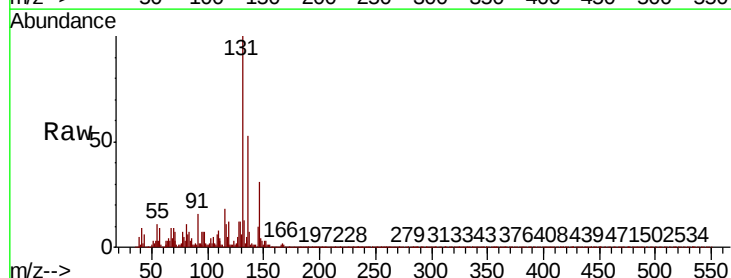
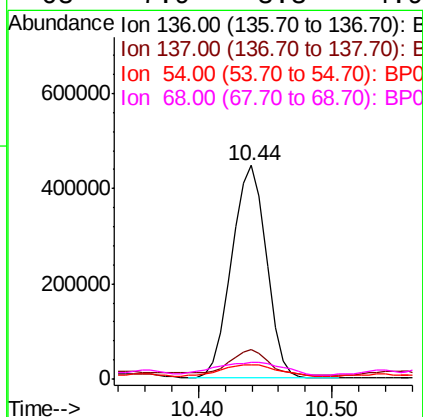
Ion Ratio Lower Upper

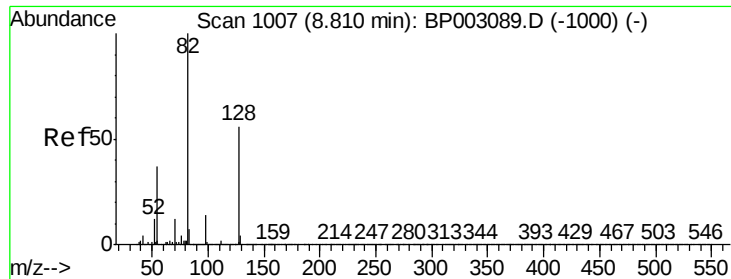
136 100

137 13.6 8.6 13.0#

54 6.5 3.6 5.4#

68 7.9 3.3 4.9#





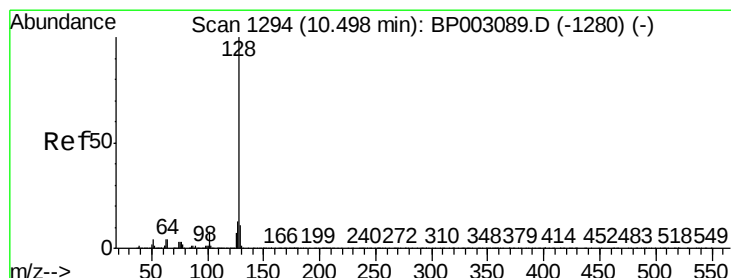
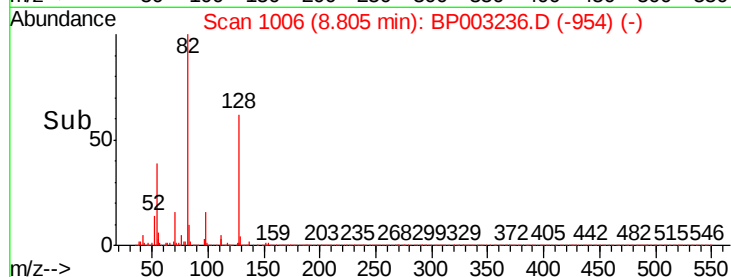
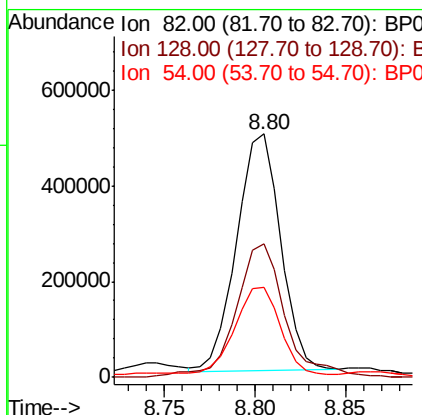
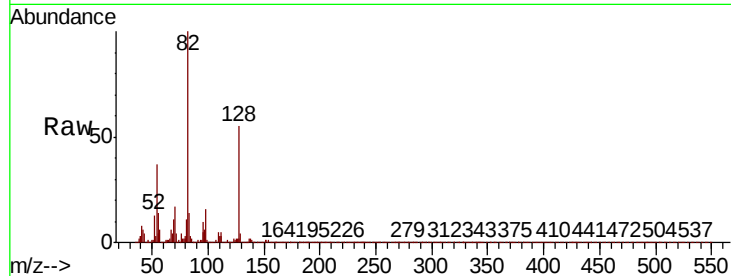
#23
 Nitrobenzene-d5
 Concen: 74.176 ng
 RT: 8.80 min Scan# 1006
 Delta R.T. 0.01 min
 Lab File: BP003236.D
 Acq: 08 Sep 2020 20:20

Instrument :
 BNA_P
 ClientSampleId :
 WC-PM-A2-10-14-C

Tot Ion	Ratio	Lower	Upper
82	100		
128	55.0	45.6	68.4
54	36.9	30.1	45.1

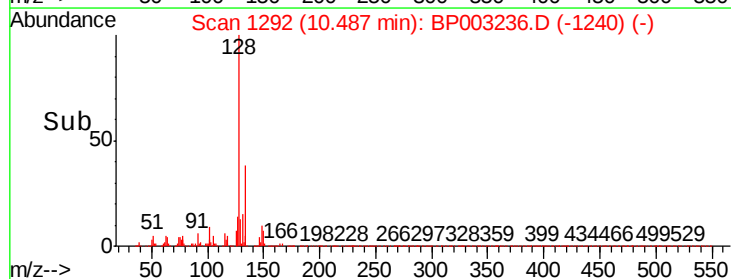
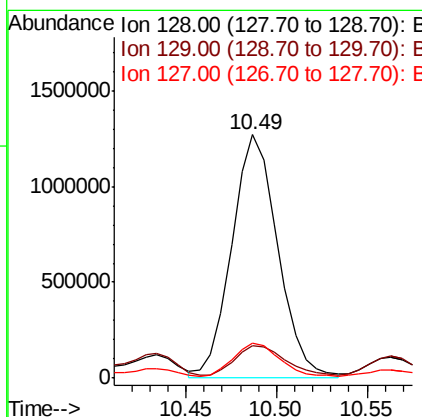
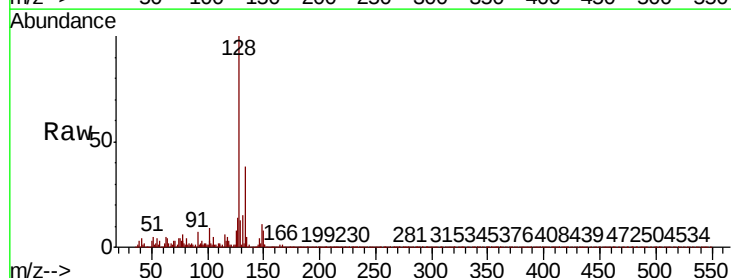
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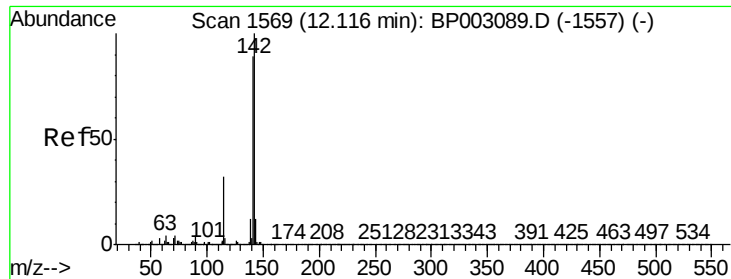
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#31
 Naphthalene
 Concen: 53.574 ng
 RT: 10.49 min Scan# 1292
 Delta R.T. 0.01 min
 Lab File: BP003236.D
 Acq: 08 Sep 2020 20:20

Tgt Ion	Ratio	Lower	Upper
128	100		
129	13.3	8.8	13.2#
127	14.4	10.6	15.8





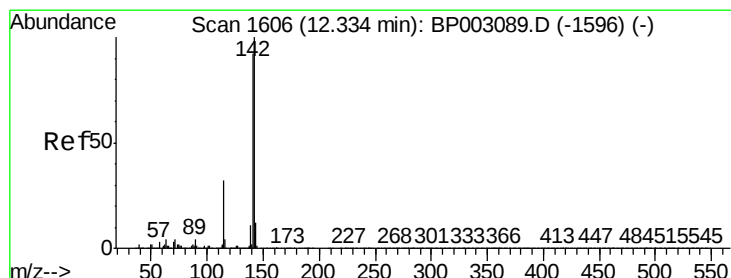
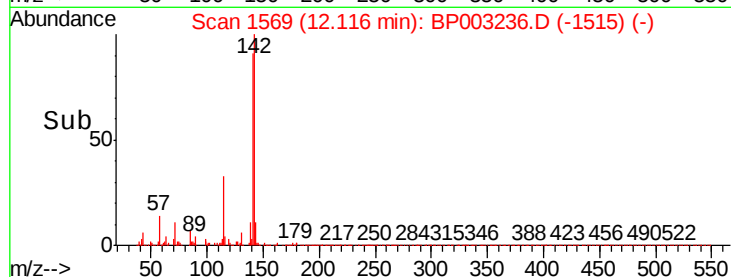
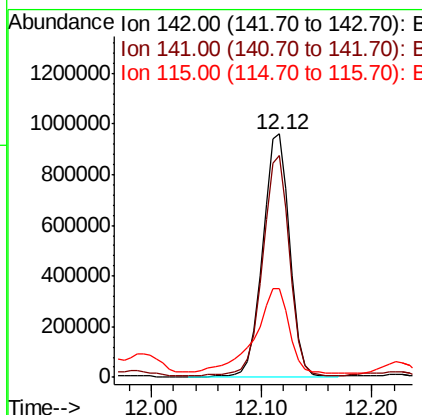
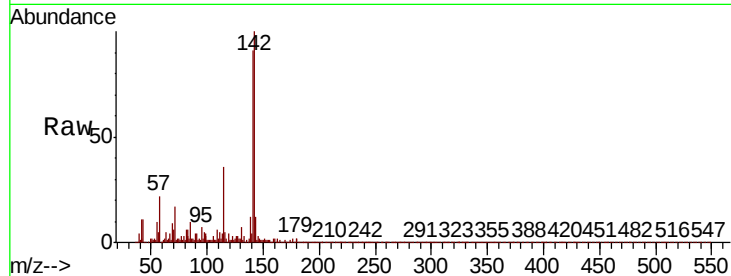
#37
2-Methylnaphthalene
Concen: 55.227 ng
RT: 12.12 min Scan# 1569
Delta R.T. 0.02 min
Lab File: BP003236.D
Acq: 08 Sep 2020 20:20

Instrument :
BNA_P
ClientSampleId :
WC-PM-A2-10-14-C

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.9	71.4	107.2
115	36.2	25.8	38.6

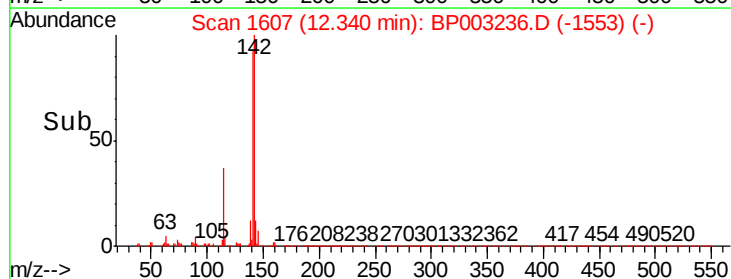
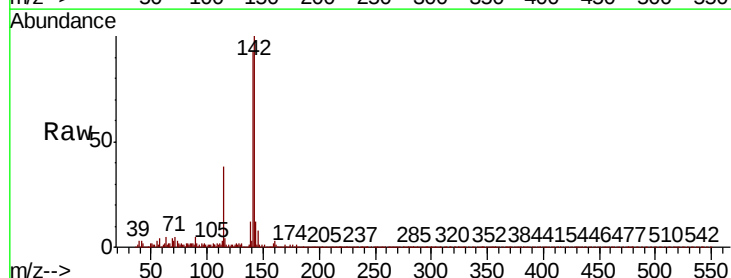
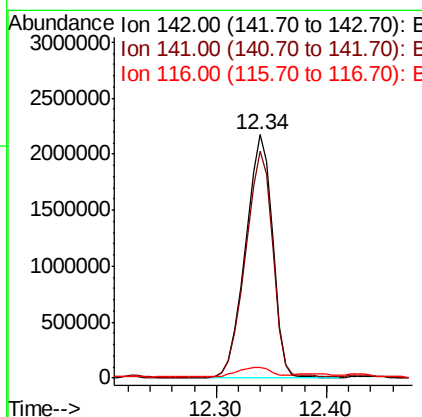
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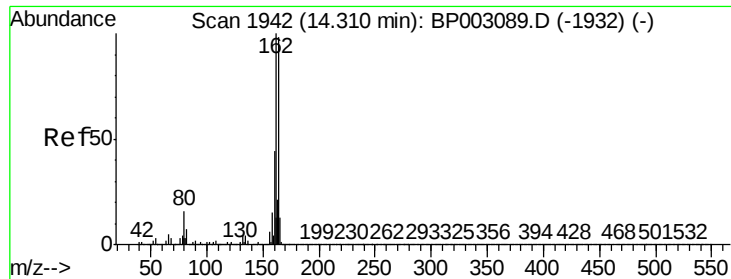
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#38
1-Methylnaphthalene
Concen: 133.037 ng
RT: 12.34 min Scan# 1607
Delta R.T. 0.02 min
Lab File: BP003236.D
Acq: 08 Sep 2020 20:20

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.0	74.4	111.6
116	4.4	2.9	4.3#





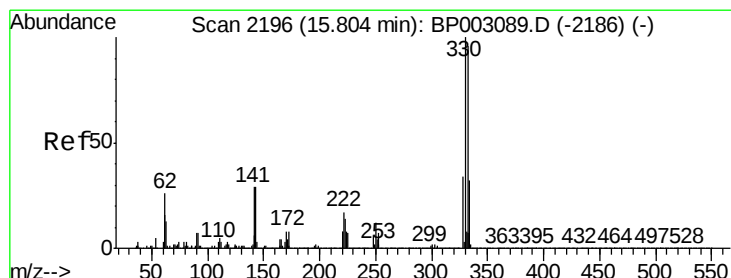
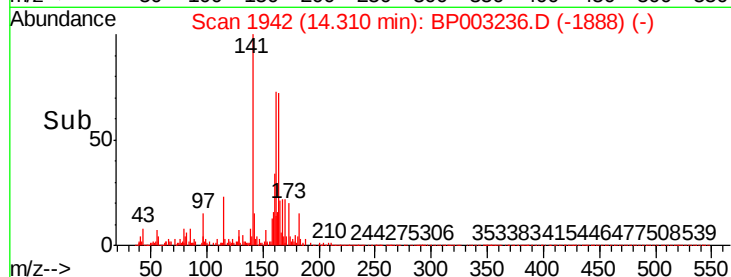
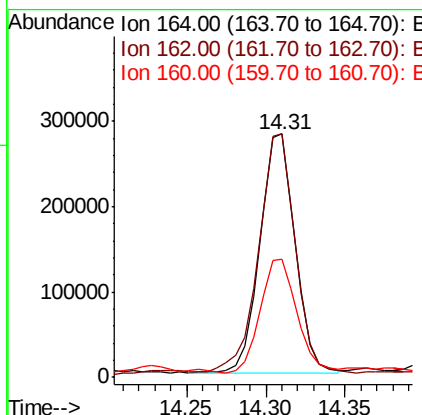
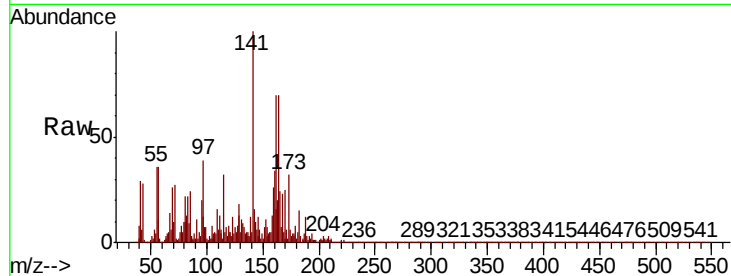
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.31 min Scan# 1942
Delta R.T. 0.02 min
Lab File: BP003236.D
Acq: 08 Sep 2020 20:20

Instrument :
BNA_P
ClientSampleId :
WC-PM-A2-10-14-C

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	99.9	79.4	119.2	
160	48.5	36.1	54.1	

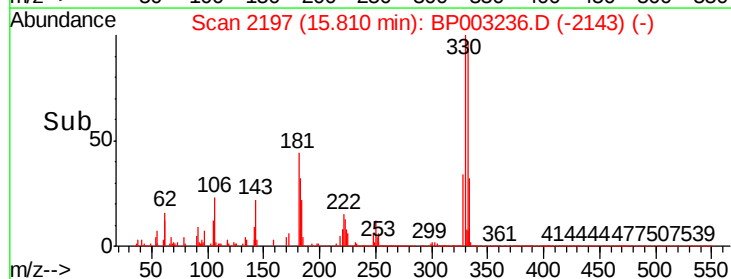
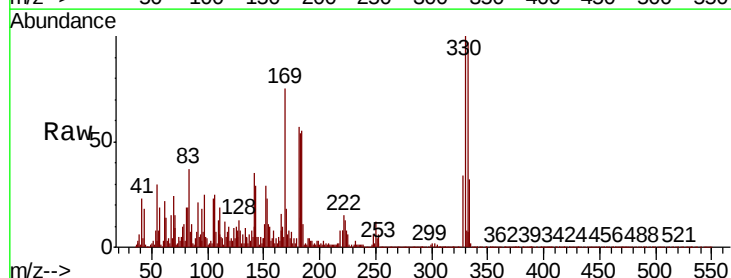
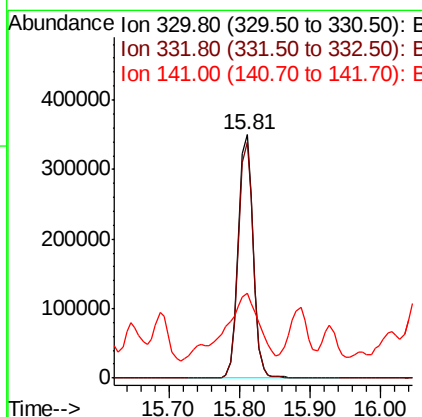
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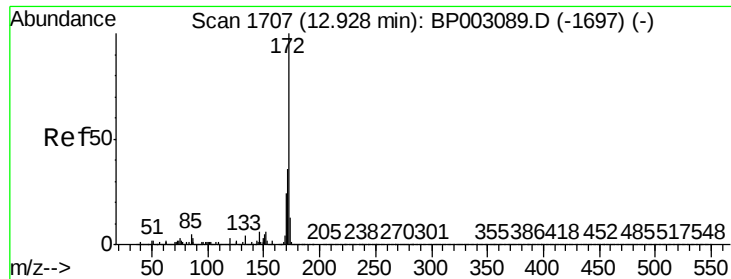
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#42
2,4,6-Tribromophenol
Concen: 88.308 ng
RT: 15.81 min Scan# 2197
Delta R.T. 0.02 min
Lab File: BP003236.D
Acq: 08 Sep 2020 20:20

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.7	77.1	115.7	
141	65.0	23.4	35.2	





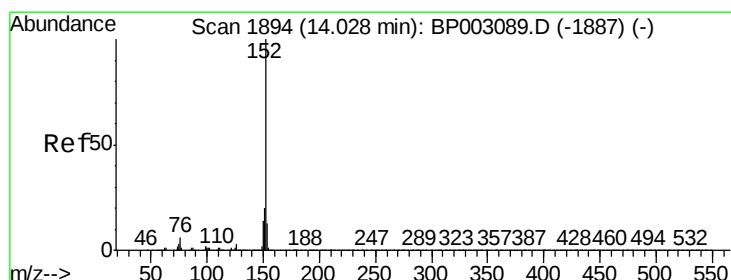
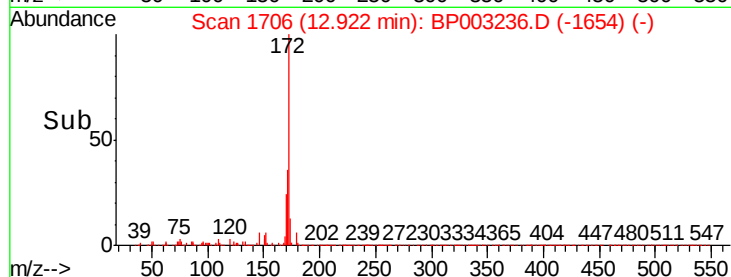
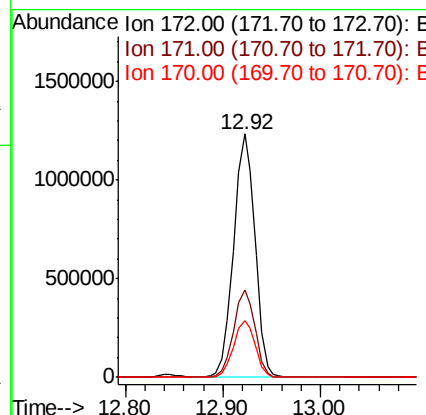
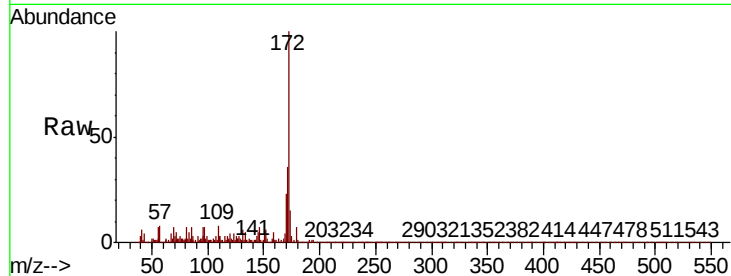
#45
2-Fluorobiphenyl
Concen: 63.787 ng
RT: 12.92 min Scan# 1706
Delta R.T. 0.01 min
Lab File: BP003236.D
Acq: 08 Sep 2020 20:20

Instrument :
BNA_P
ClientSampleId :
WC-PM-A2-10-14-C

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.5	42.7
170	23.4	19.2	28.8

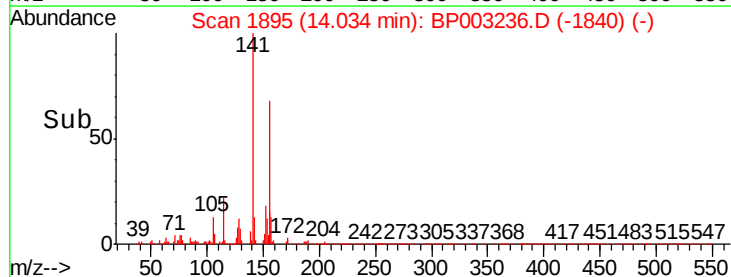
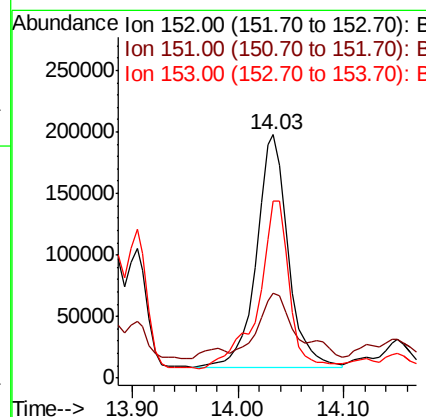
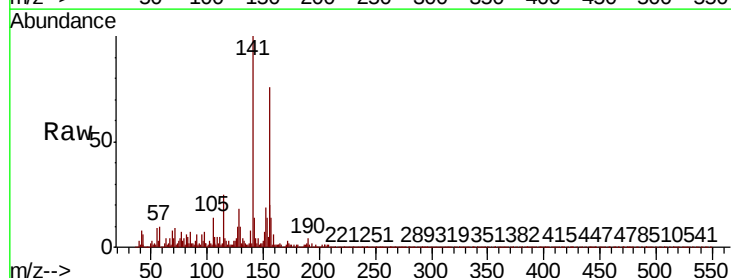
Manual Integrations
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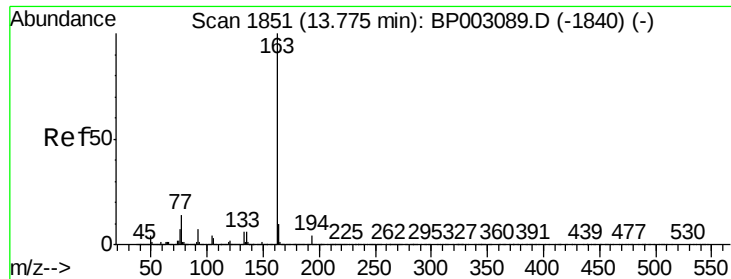
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#49
Acenaphthylene
Concen: 9.854 ng
RT: 14.03 min Scan# 1895
Delta R.T. 0.02 min
Lab File: BP003236.D
Acq: 08 Sep 2020 20:20

Tgt Ion	Ratio	Lower	Upper
152	100		
151	34.8	15.9	23.9#
153	72.7	10.5	15.7#





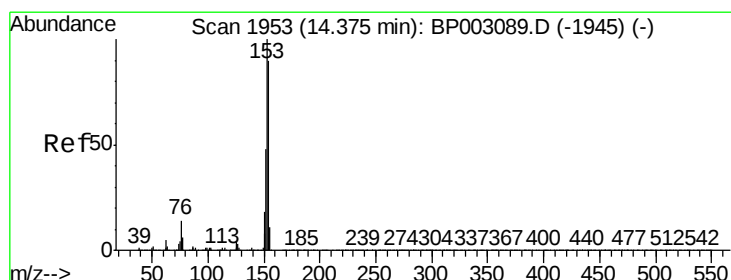
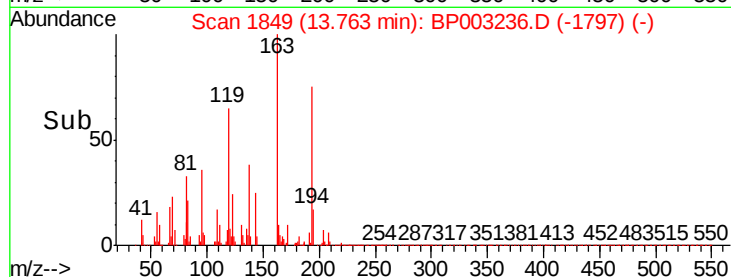
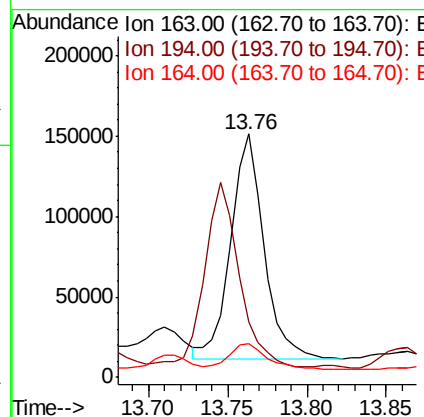
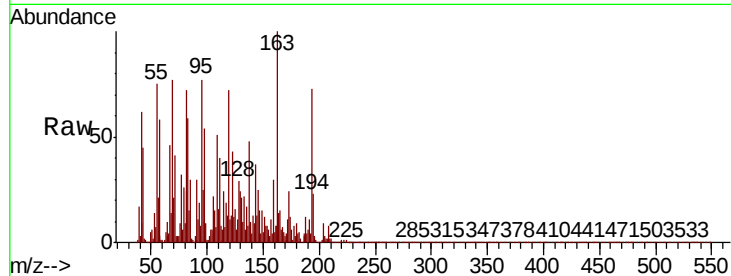
#50
Dimethylphthalate
Concen: 6.203 ng
RT: 13.76 min Scan# 1849
Delta R.T. 0.01 min
Lab File: BP003236.D
Acq: 08 Sep 2020 20:20

Instrument :
BNA_P
ClientSampleId :
WC-PM-A2-10-14-C

Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	22.9	3.3	4.9#	
164	14.1	8.2	12.2#	

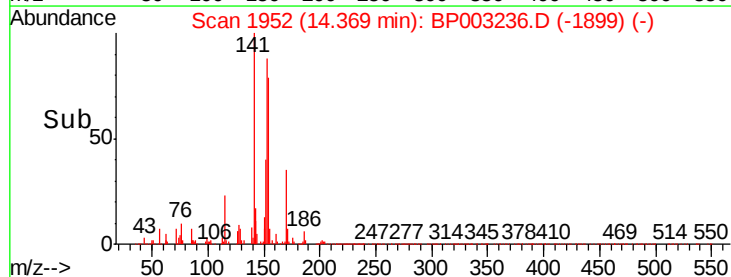
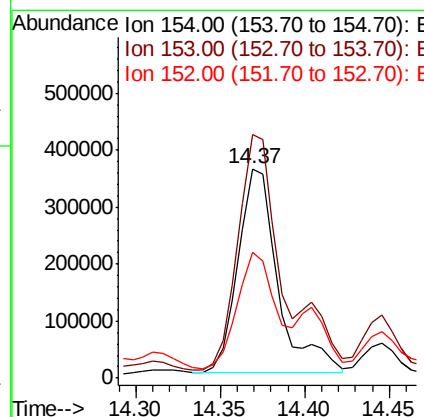
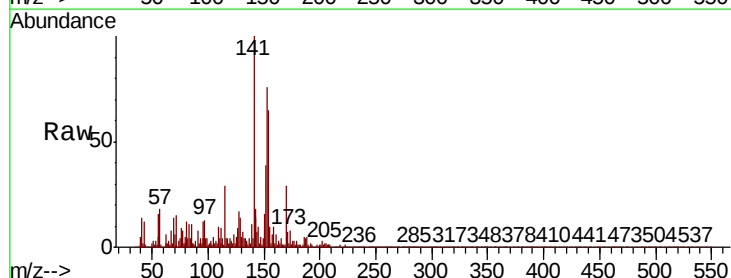
Manual Integrations
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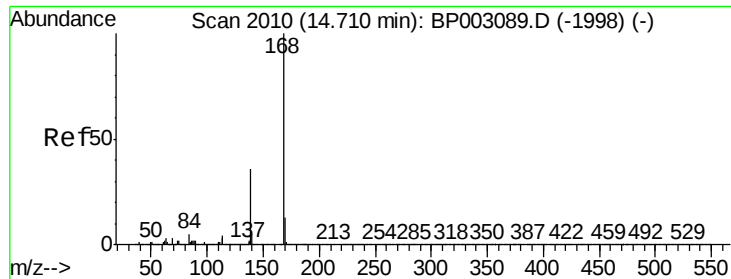
Sohil
9/9/2020 3:50:21 PM



#52
Acenaphthene
Concen: 24.154 ng
RT: 14.37 min Scan# 1952
Delta R.T. 0.01 min
Lab File: BP003236.D
Acq: 08 Sep 2020 20:20

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	116.4	91.0	136.6	
152	60.0	43.0	64.6	





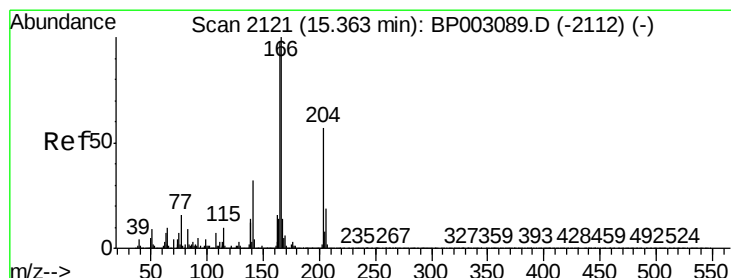
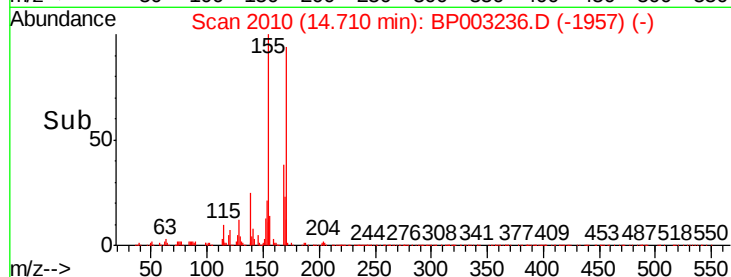
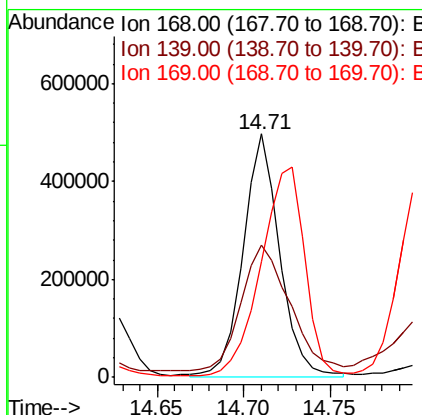
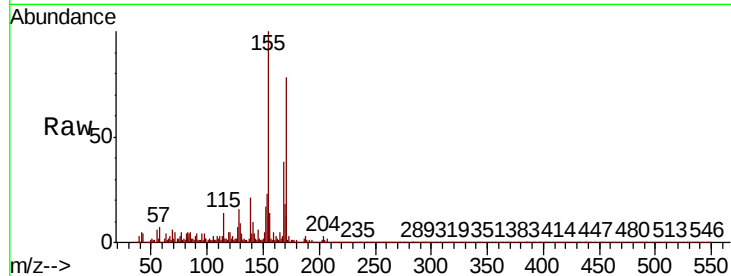
#55
Dibenzenofuran
Concen: 18.888 ng m
RT: 14.71 min Scan# 2010
Delta R.T. 0.01 min
Lab File: BP003236.D
Acq: 08 Sep 2020 20:20

Instrument :
BNA_P
ClientSampleId :
WC-PM-A2-10-14-C

Tot Ion	Ratio	Lower	Upper
168	100		
139	54.2	29.1	43.7#
169	47.5	10.4	15.6#

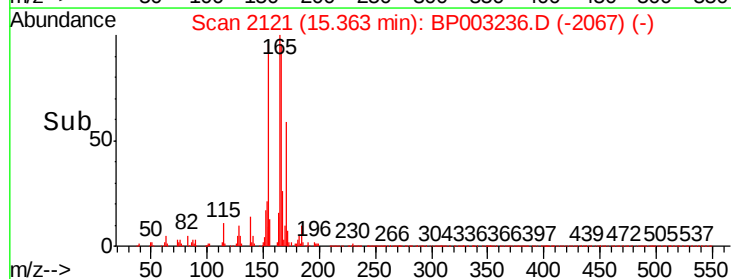
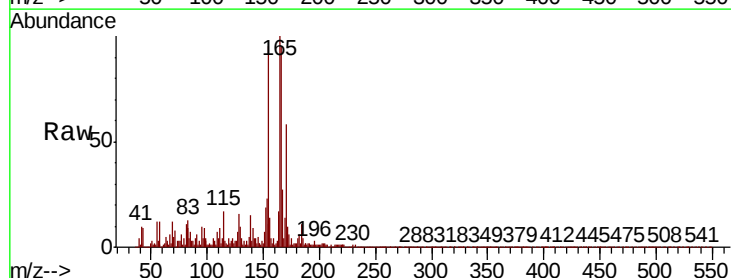
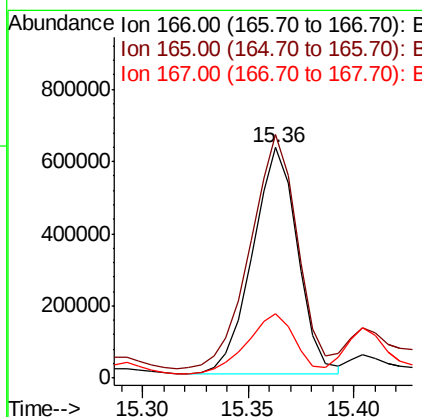
Manual Integrations
APPROVED

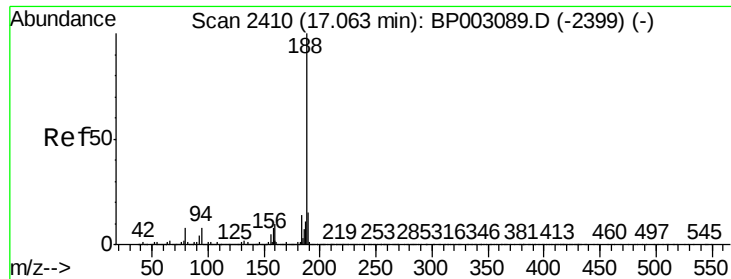
Sohil
9/9/2020 3:50:21 PM



#58
Fluorene
Concen: 31.554 ng
RT: 15.36 min Scan# 2121
Delta R.T. 0.02 min
Lab File: BP003236.D
Acq: 08 Sep 2020 20:20

Tgt Ion	Ratio	Lower	Upper
166	100		
165	105.7	77.8	116.8
167	28.1	11.0	16.4#





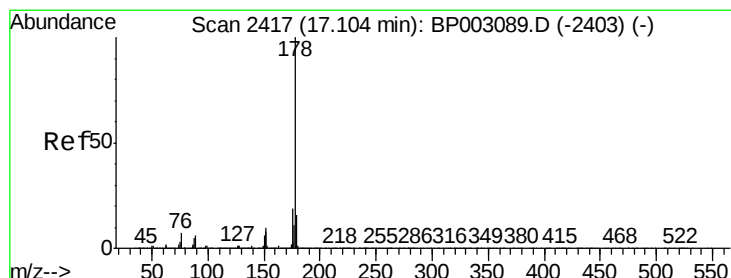
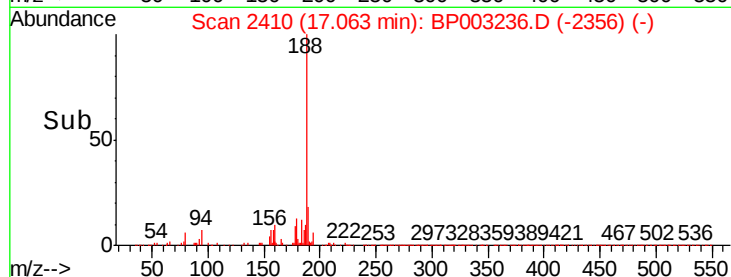
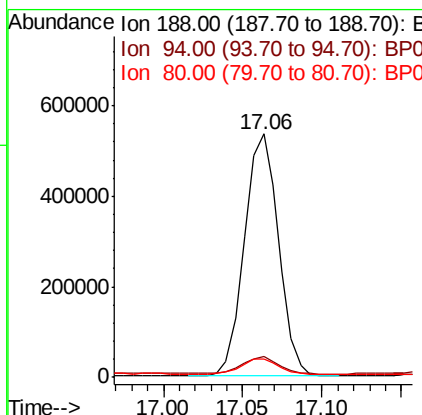
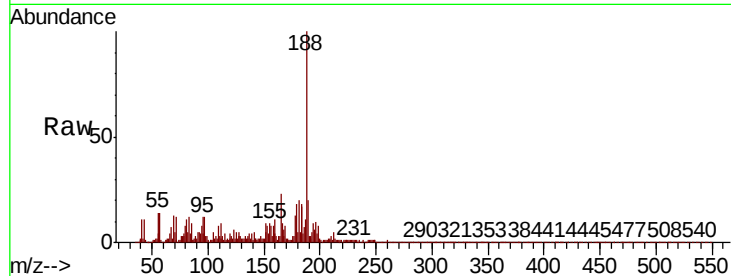
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.06 min Scan# 2410
Delta R.T. 0.02 min
Lab File: BP003236.D
Acq: 08 Sep 2020 20:20

Instrument :
BNA_P
ClientSampleId :
WC-PM-A2-10-14-C

Tot Ion	Ratio	Resp	Lower	Upper
188	100	799865		
94	8.4	6.2	9.2	
80	7.6	6.2	9.2	

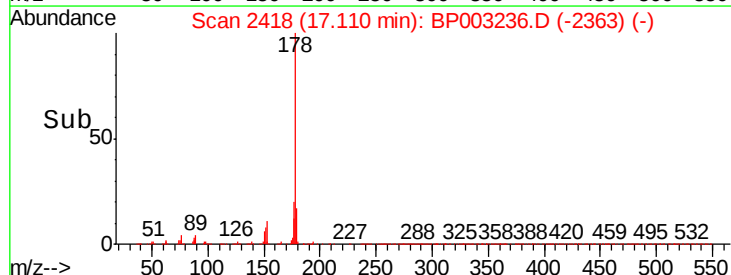
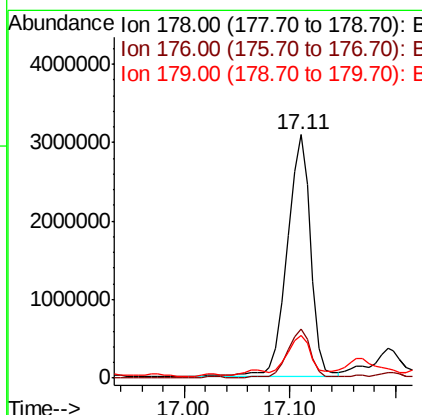
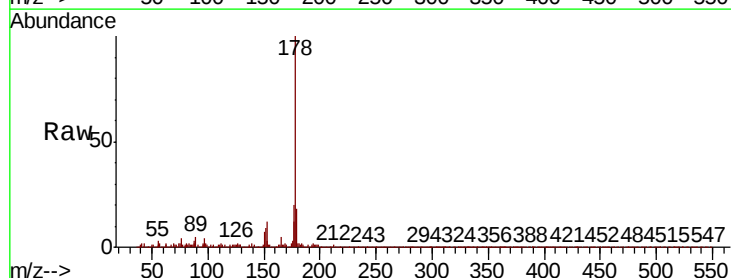
Manual Integrations
APPROVED

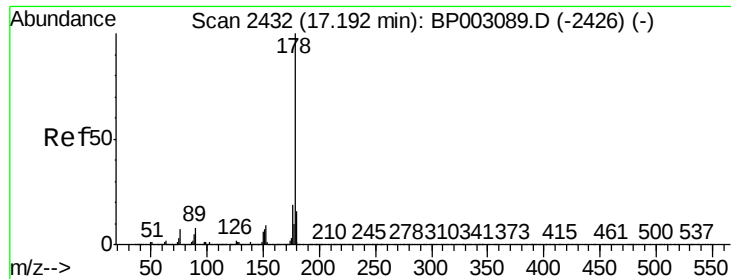
Sohil
9/9/2020 3:50:21 PM



#71
Phenanthrene
Concen: 110.379 ng
RT: 17.11 min Scan# 2418
Delta R.T. 0.02 min
Lab File: BP003236.D
Acq: 08 Sep 2020 20:20

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	4784023		
176	20.1	15.3	22.9	
179	17.6	12.5	18.7	





#72

Anthracene

Concen: 12.931 ng/mL

RT: 17.19 min Scan# 2432

Delta R.T. 0.01 min

Lab File: BP003236.D

Acq: 08 Sep 2020 20:20

Instrument :

BNA_P

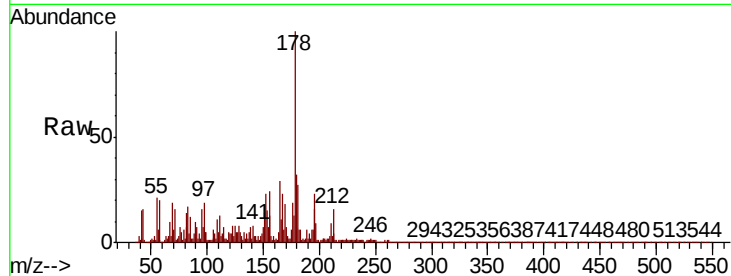
ClientSampleId :

WC-PM-A2-10-14-C

Tot Ion:	178	Resp:	536393
Ion Ratio	Lower	Upper	
178	100		
176	19.4	15.0	22.4
179	32.2	12.5	18.7

Manual Integrations
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Sohil
9/9/2020 3:50:21 PM

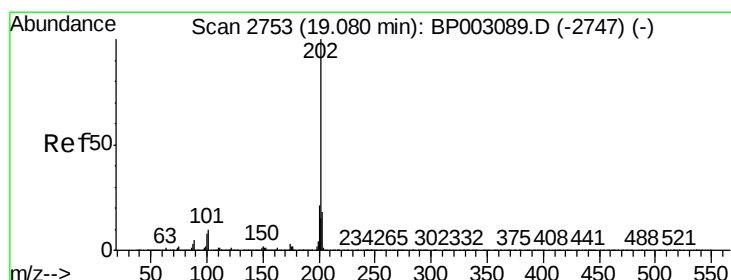
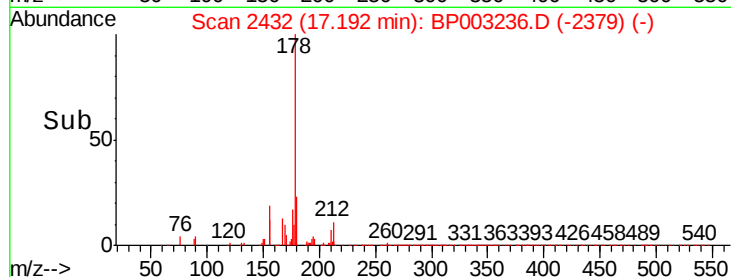
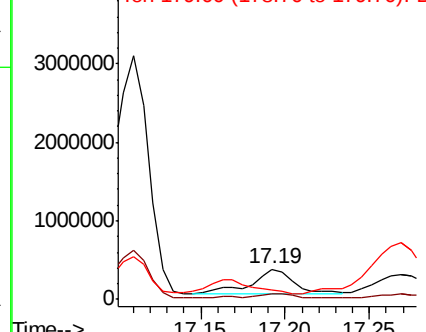


Abundance

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



#75

Fluoranthene

Concen: 53.086 ng/mL

RT: 19.09 min Scan# 2754

Delta R.T. 0.02 min

Lab File: BP003236.D

Acq: 08 Sep 2020 20:20

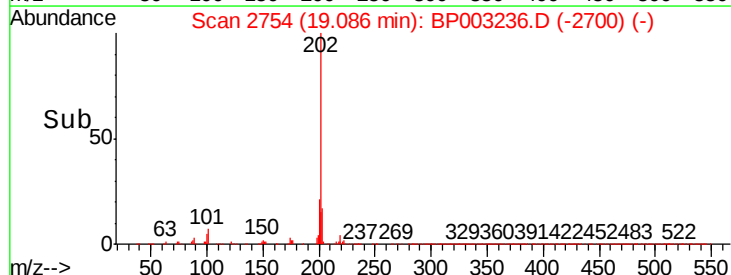
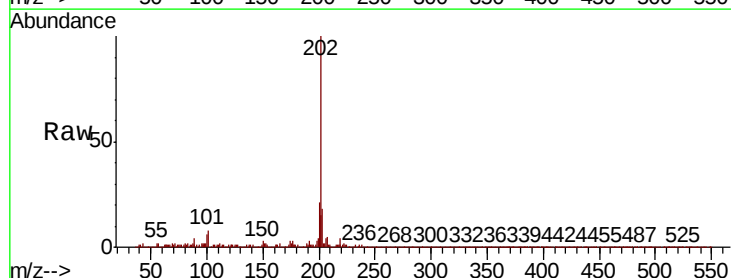
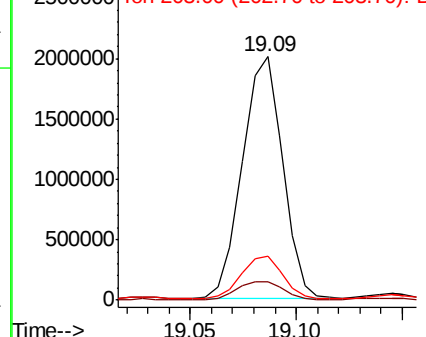
Tgt Ion:	202	Resp:	2659250
Ion Ratio	Lower	Upper	
202	100		
101	7.7	0.0	29.4
203	18.3	0.0	37.8

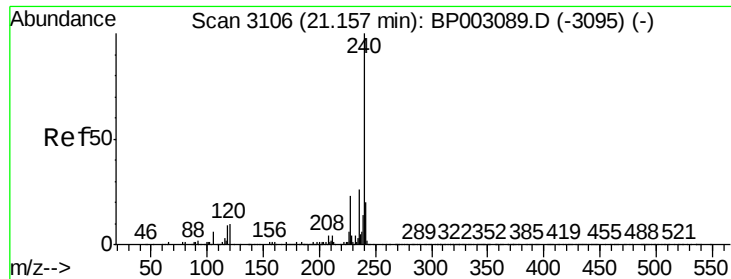
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





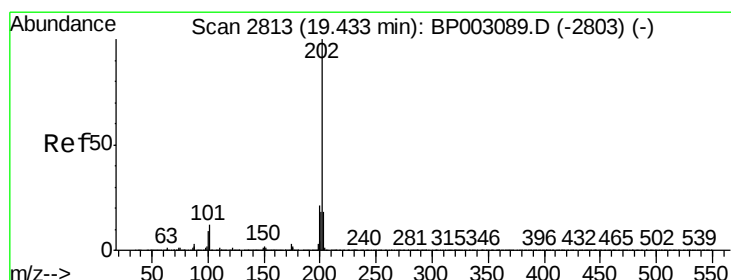
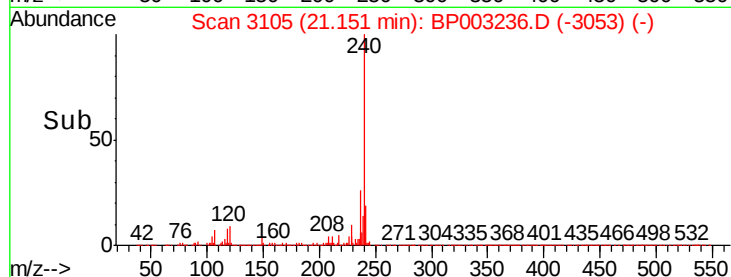
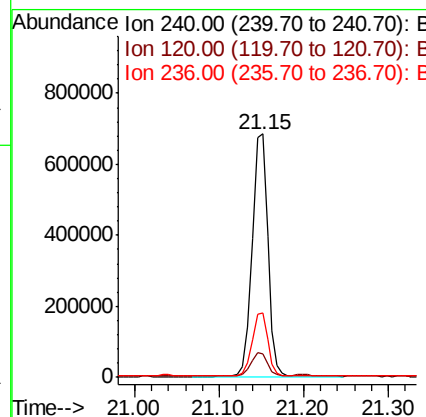
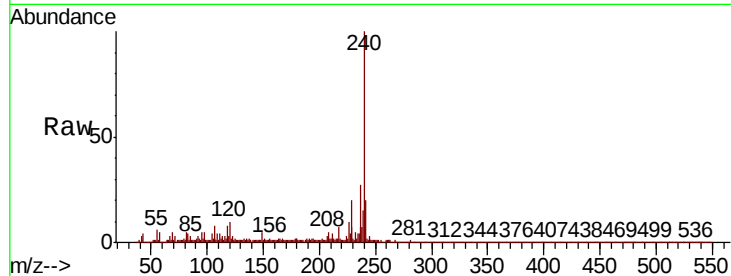
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.15 min Scan# 3105
Delta R.T. 0.01 min
Lab File: BP003236.D
Acq: 08 Sep 2020 20:20

Instrument :
BNA_P
ClientSampleId :
WC-PM-A2-10-14-C

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.6	7.8	11.6
236	26.7	20.8	31.2

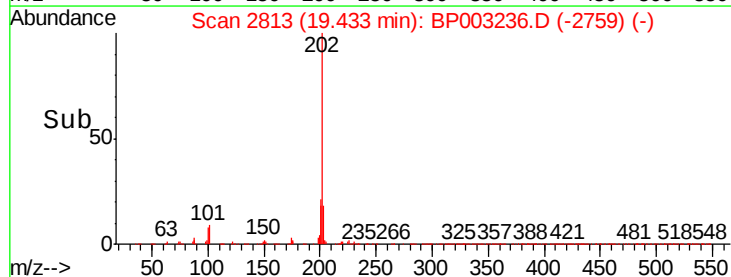
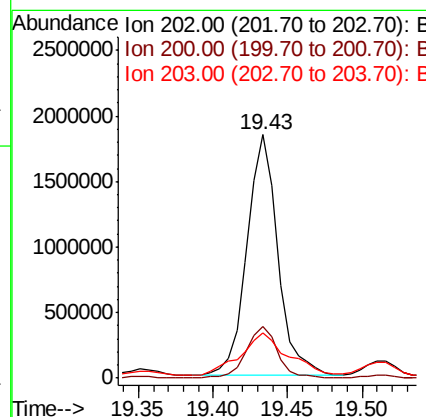
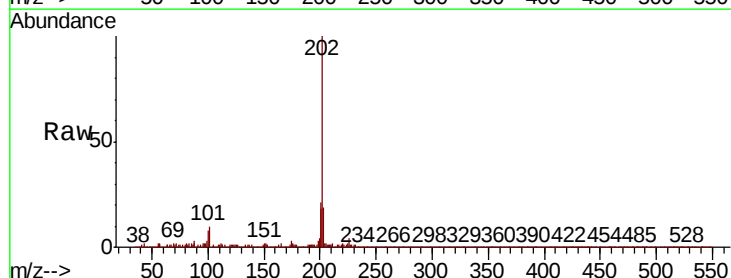
Manual Integrations
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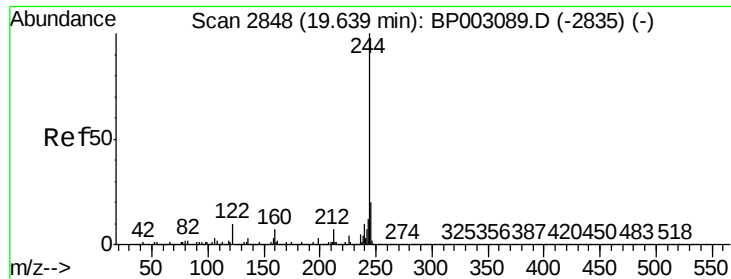
Sohil
9/9/2020 3:50:21 PM



#78
Pyrene
Concen: 46.159 ng
RT: 19.43 min Scan# 2813
Delta R.T. 0.02 min
Lab File: BP003236.D
Acq: 08 Sep 2020 20:20

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.1	25.7
203	18.5	14.2	21.2





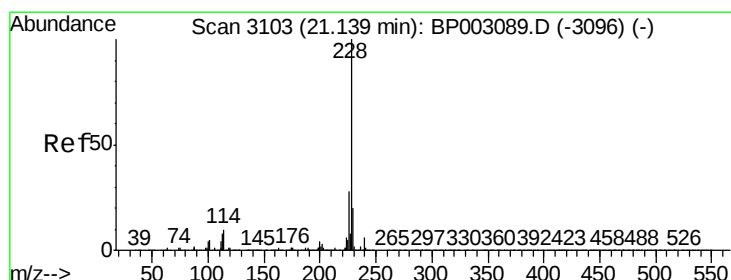
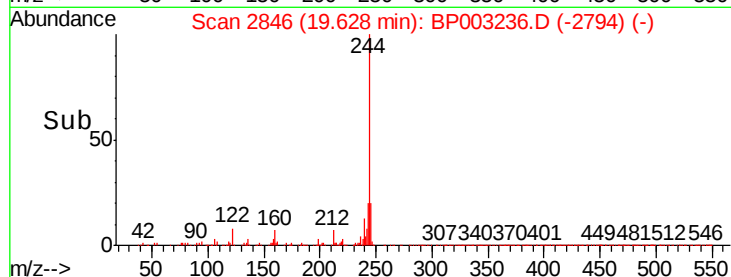
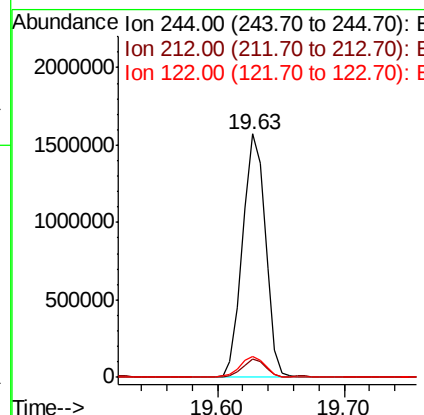
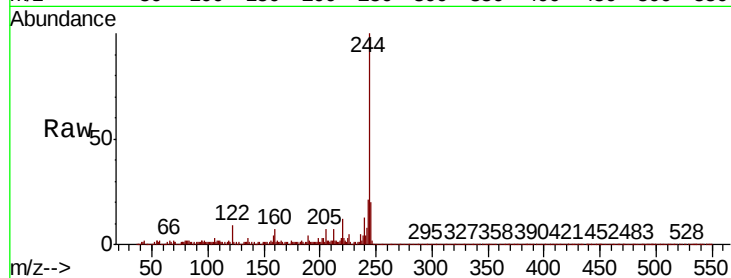
#79
 Terphenyl-d14
 Concen: 48.619 ng
 RT: 19.63 min Scan# 2846
 Delta R.T. 0.01 min
 Lab File: BP003236.D
 Acq: 08 Sep 2020 20:20

Instrument :
 BNA_P
 ClientSampleId :
 WC-PM-A2-10-14-C

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.6
122	8.6	7.8	11.8

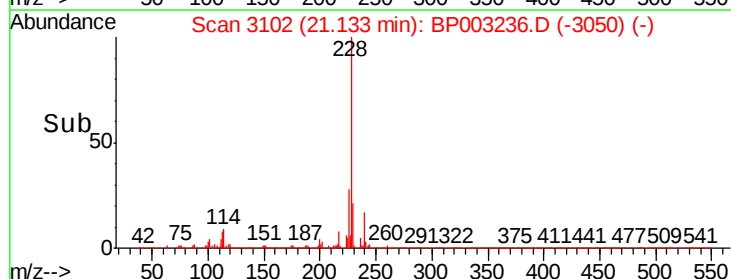
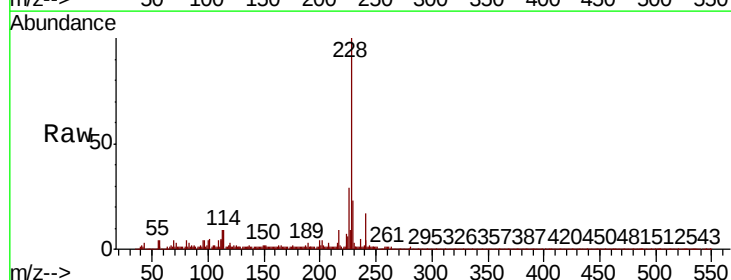
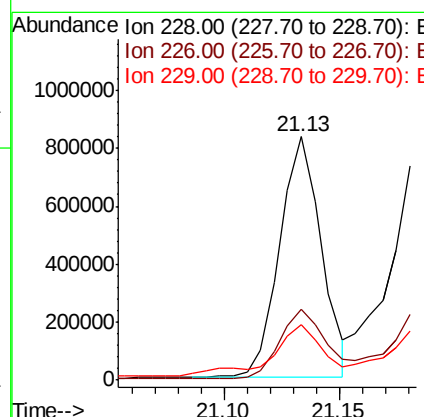
Manual Integrations
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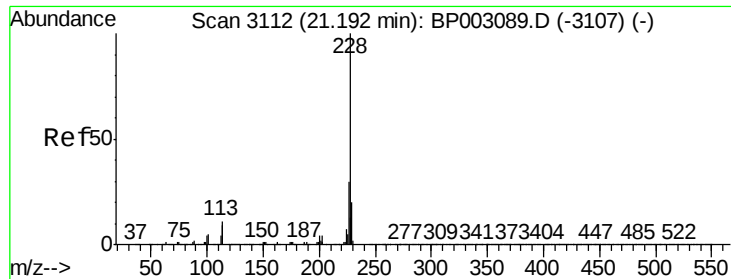
Sohil
 9/9/2020 3:50:21 PM



#81
 Benzo(a)anthracene
 Concen: 18.812 ng
 RT: 21.13 min Scan# 3102
 Delta R.T. 0.01 min
 Lab File: BP003236.D
 Acq: 08 Sep 2020 20:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.1	33.1
229	22.7	15.9	23.9





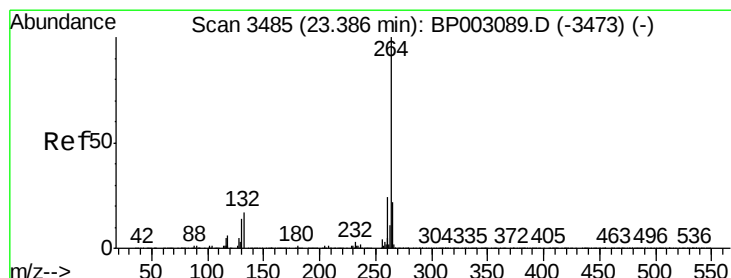
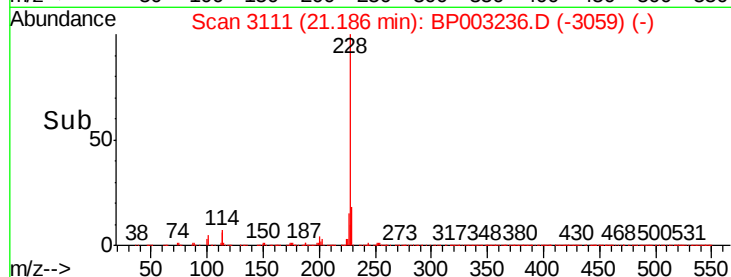
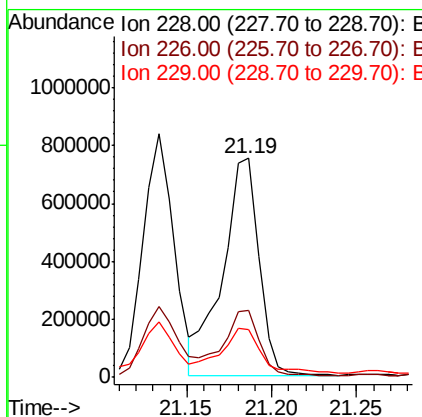
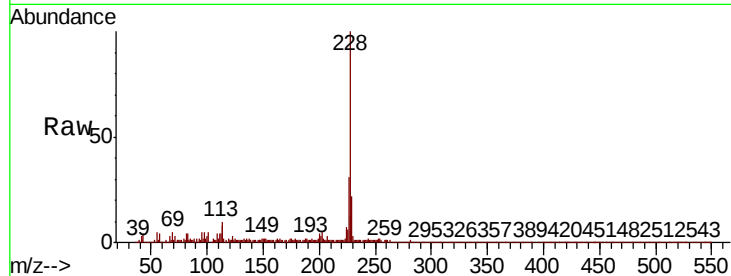
#83
Chrysene
Concen: 20.936 ng/ml
RT: 21.19 min Scan# 3111
Delta R.T. 0.01 min
Lab File: BP003236.D
Acq: 08 Sep 2020 20:20

Instrument :
BNA_P
ClientSampleId :
WC-PM-A2-10-14-C

Tot Ion:	228	Resp:	1108803
Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.4	36.6
229	22.1	15.8	23.6

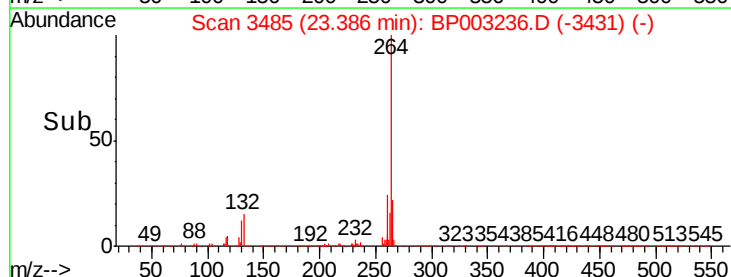
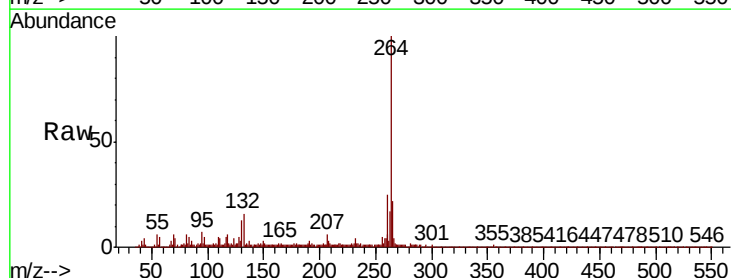
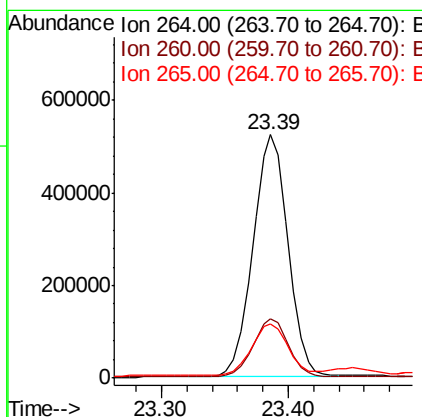
Manual Integrations
APPROVED

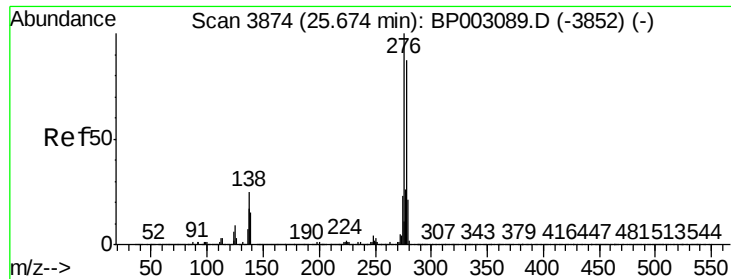
Sohil
9/9/2020 3:50:21 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.39 min Scan# 3485
Delta R.T. 0.02 min
Lab File: BP003236.D
Acq: 08 Sep 2020 20:20

Tgt Ion:	264	Resp:	1001850
Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.8	28.2
265	22.4	17.4	26.2





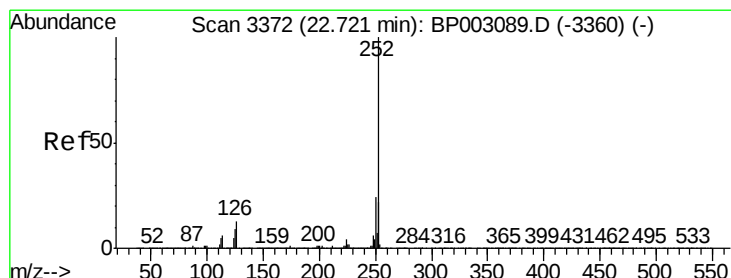
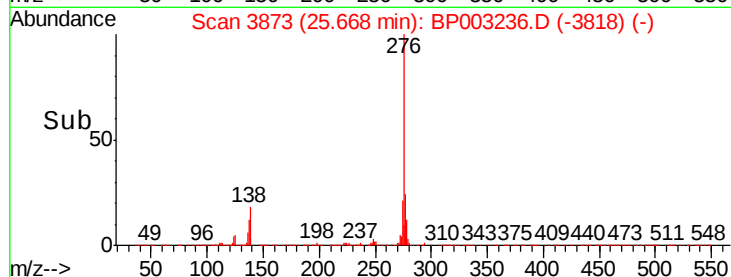
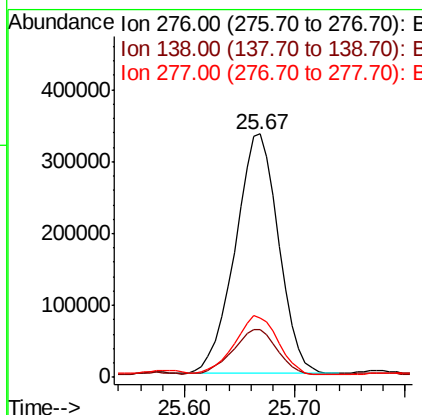
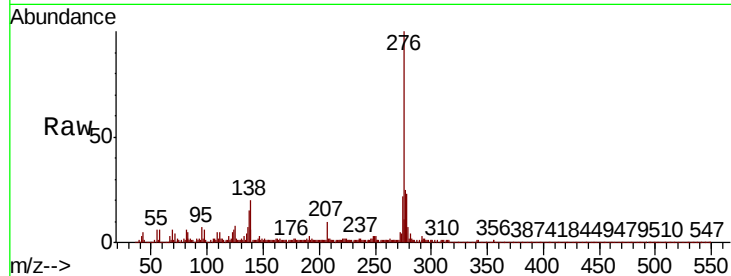
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 12.255 ng
 RT: 25.67 min Scan# 3873
 Delta R.T. 0.02 min
 Lab File: BP003236.D
 Acq: 08 Sep 2020 20:20

Instrument :
 BNA_P
 ClientSampleId :
 WC-PM-A2-10-14-C

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.5	18.7	28.1
277	24.9	20.4	30.6

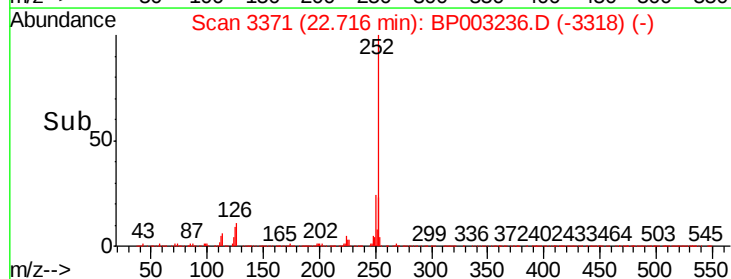
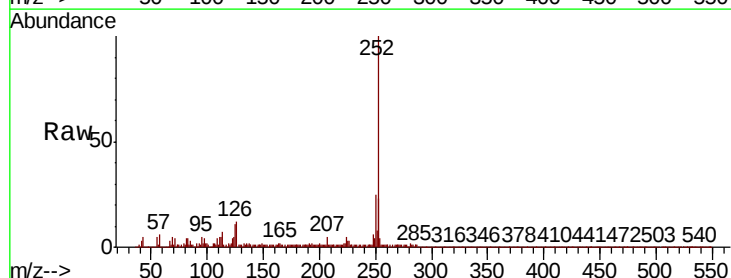
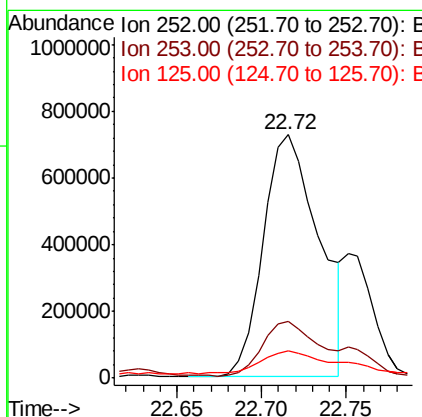
Manual Integrations
 APPROVED

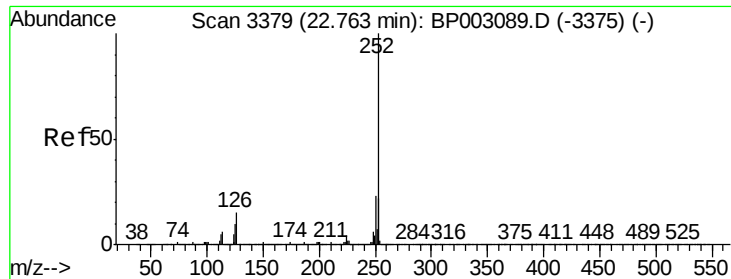
Sohil
 9/9/2020 3:50:21 PM



#88
 Benzo(b)fluoranthene
 Concen: 26.737 ng m
 RT: 22.72 min Scan# 3371
 Delta R.T. 0.01 min
 Lab File: BP003236.D
 Acq: 08 Sep 2020 20:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.6	26.4
125	11.0	7.3	10.9





#89

Benzo(k)fluoranthene

Concen: 7.398 ng/mL

RT: 22.75 min Scan# 3377

Delta R.T. 0.01 min

Lab File: BP003236.D

Acq: 08 Sep 2020 20:20

Instrument :

BNA_P

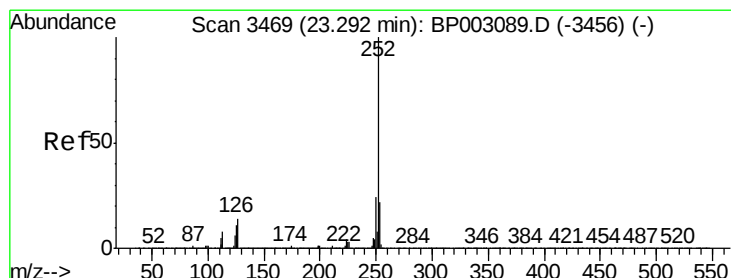
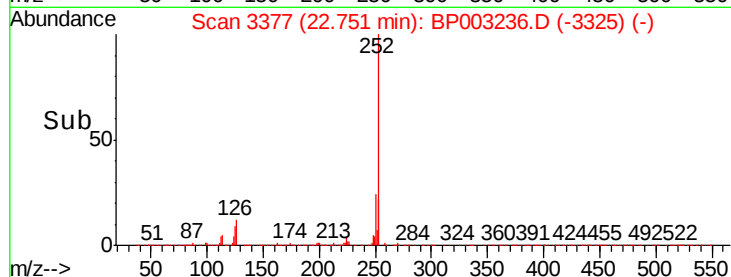
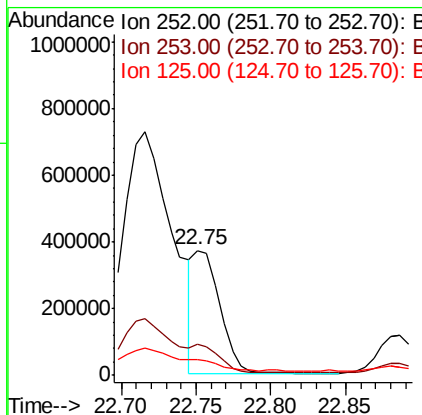
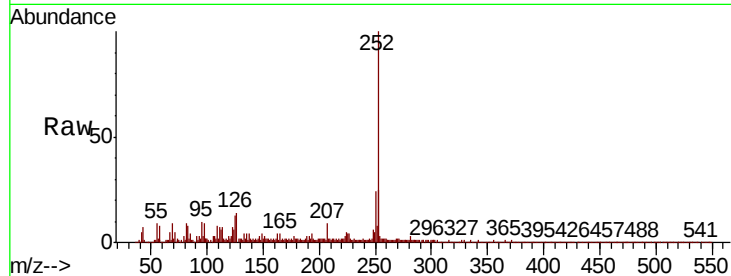
ClientSampleId :

WC-PM-A2-10-14-C

Tot Ion:	252	Resp:	440139
Ion Ratio	Lower	Upper	
252	100		
253	24.6	17.8	26.8
125	12.9	7.4	11.2

Manual Integrations
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Sohil
9/9/2020 3:50:21 PM



#90

Benzo(a)pyrene

Concen: 16.182 ng/mL

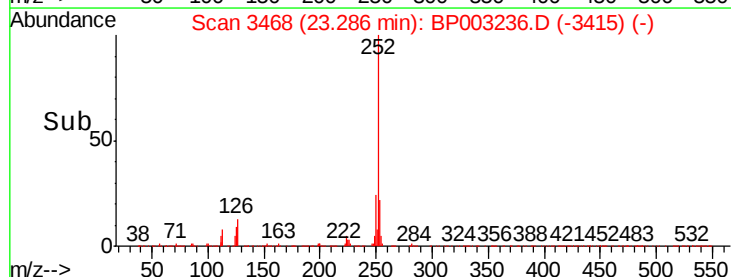
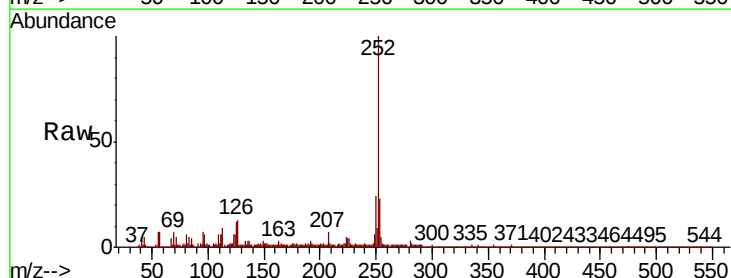
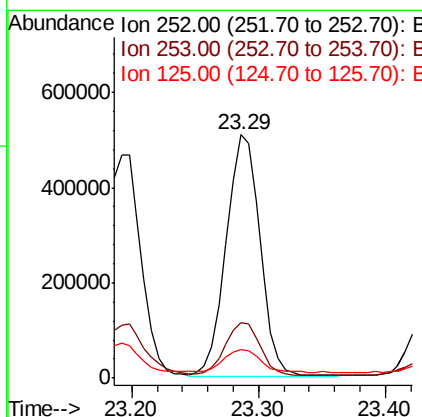
RT: 23.29 min Scan# 3468

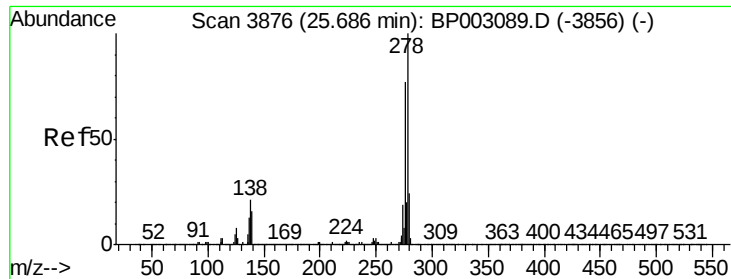
Delta R.T. 0.01 min

Lab File: BP003236.D

Acq: 08 Sep 2020 20:20

Tgt Ion:	252	Resp:	934788
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.4	26.0
125	11.8	8.2	12.4





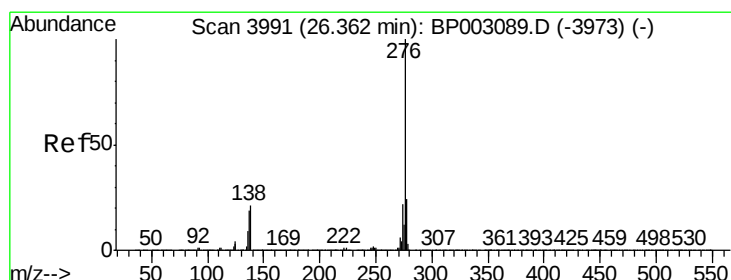
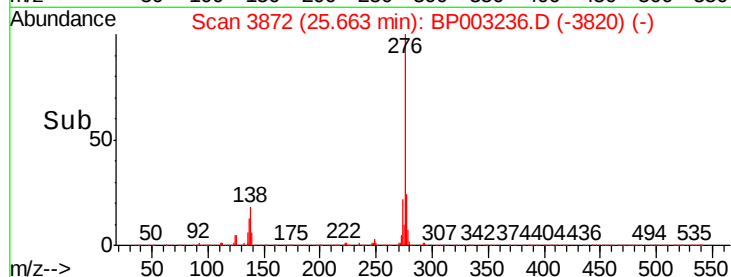
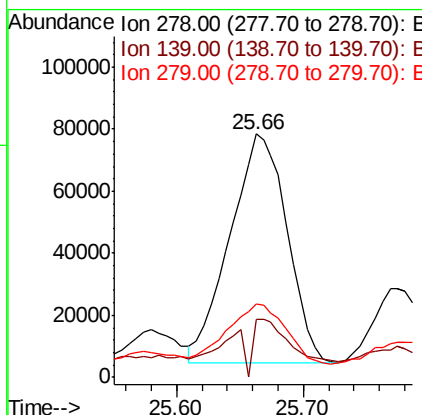
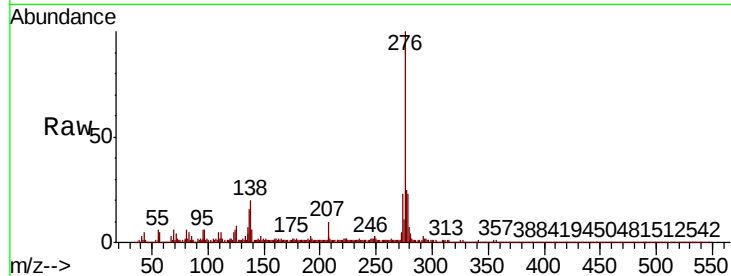
#91
Dibenzo(a,h)anthracene
Concen: 3.744 ng
RT: 25.66 min Scan# 3872
Delta R.T. 0.01 min
Lab File: BP003236.D
Acq: 08 Sep 2020 20:20

Instrument :
BNA_P
ClientSampleId :
WC-PM-A2-10-14-C

Tot Ion	Ratio	Lower	Upper
278	100		
139	23.6	12.4	18.6#
279	30.0	19.0	28.6#

Manual Integrations
APPROVED

Sohil
9/9/2020 3:50:21 PM



#92
Benzo(g,h,i)perylene
Concen: 17.354 ng
RT: 26.36 min Scan# 3991
Delta R.T. 0.03 min
Lab File: BP003236.D
Acq: 08 Sep 2020 20:20

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.0	28.6
138	20.0	16.6	24.8

