

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092319\
 Data File : BP000374.D
 Acq On : 23 Sep 2019 20:41
 Operator : HP/JU
 Sample : K4997-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 WC-08-091919

Manual Integrations
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 9/24/2019 2:38:49 PM

Quant Time: Sep 24 04:53:16 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 19 14:44:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	194650	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	710527	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	392852	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	708037	20.00	ng	0.00
76) Chrysene-d12	14.00	240	577057	20.00	ng	0.00
87) Perylene-d12	15.48	264	708741	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	985861	87.44	ng	0.02
7) Phenol-d6	6.43	99	1261543	91.28	ng	0.01
23) Nitrobenzene-d5	7.35	82	724138	65.76	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	424715	109.00	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1630091	74.68	ng	0.00
79) Terphenyl-d14	12.93	244	1872643	68.08	ng	0.00
Target Compounds						
37) 2-Methylnaphthalene	8.79	142	45010	2.001	ng	99
38) 1-Methylnaphthalene	8.89	142	59195m	2.809	ng	
49) Acenaphthylene	9.69	152	539501	15.743	ng	99
50) Dimethylphthalate	9.55	163	233897	8.739	ng	98
58) Fluorene	10.38	166	103807	4.396	ng	97
71) Phenanthrene	11.35	178	1497898	42.216	ng	100
72) Anthracene	11.40	178	387357	10.606	ng	98
75) Fluoranthene	12.56	202	1921128	50.424	ng	95
78) Pyrene	12.79	202	2443125	56.589	ng	99
81) Benzo(a)anthracene	13.99	228	1053342m	28.897	ng	
83) Chrysene	14.02	228	1190962	33.277	ng	97
86) Indeno(1,2,3-cd)pyrene	16.97	276	685767	15.720	ng	# 91
88) Benzo(b)fluoranthene	15.05	252	1237852m	29.277	ng	
89) Benzo(k)fluoranthene	15.07	252	367709m	9.970	ng	
90) Benzo(a)pyrene	15.42	252	988012m	25.681	ng	
91) Dibenzo(a,h)anthracene	16.98	278	180353	5.028	ng	# 90
92) Benzo(a,h,i)perylene	17.42	276	748693	20.307	ng	95

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

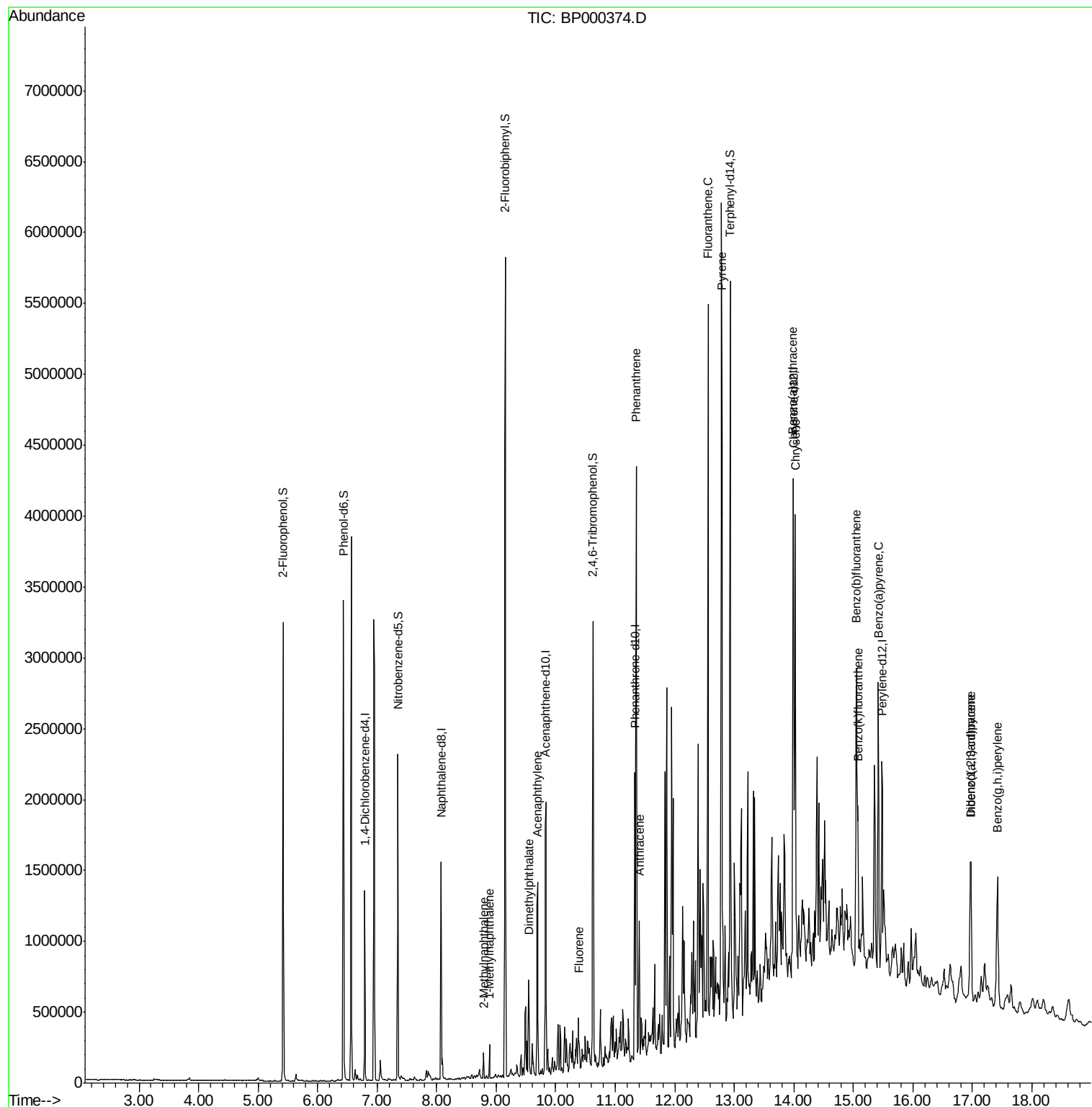
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092319\
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ALS Vial : 9 Sample Multiplier: 1

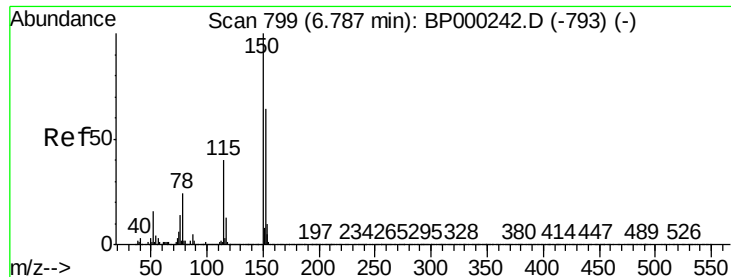
Instrument :
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#1

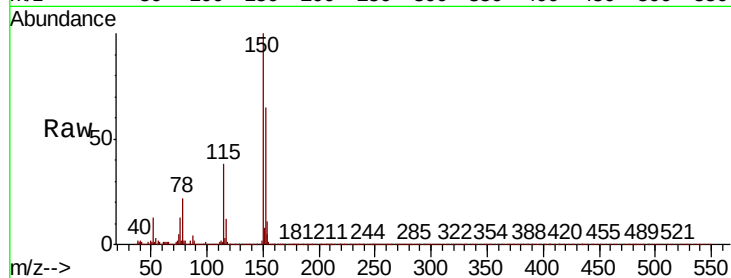
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.01 min
Lab File: BP000374.D
Acq: 23 Sep 2019 20:41

Instrument :
BNA_P
ClientSampleId :
WC-08-091919

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.8	125.2	187.8
115	58.2	49.7	74.5

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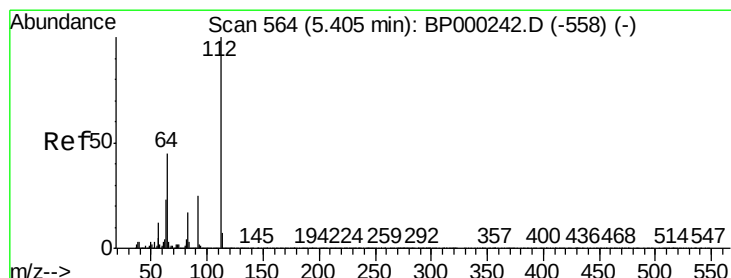
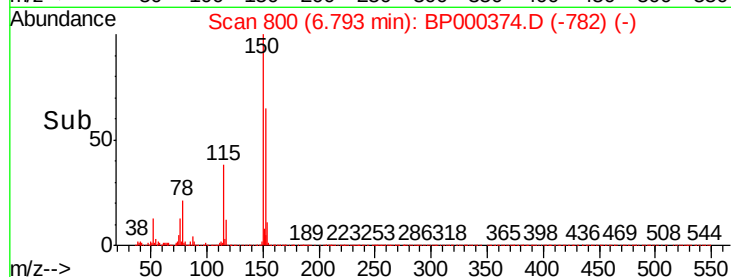
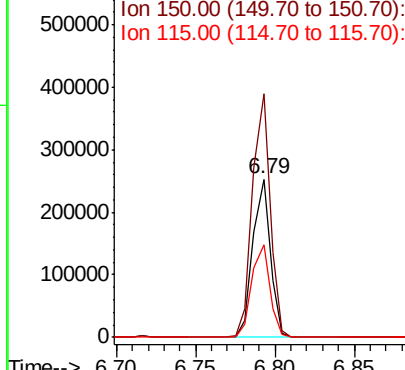


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

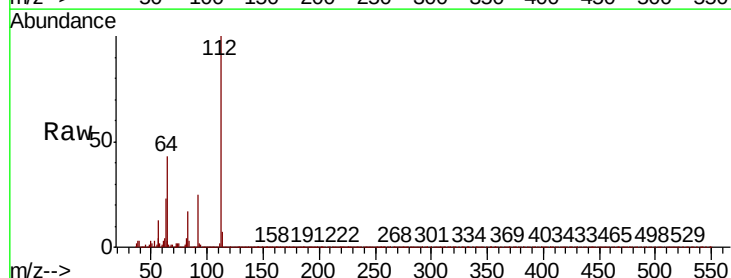
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 87.436 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.02 min
Lab File: BP000374.D
Acq: 23 Sep 2019 20:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	42.7	36.2	54.4
63	22.6	18.3	27.5

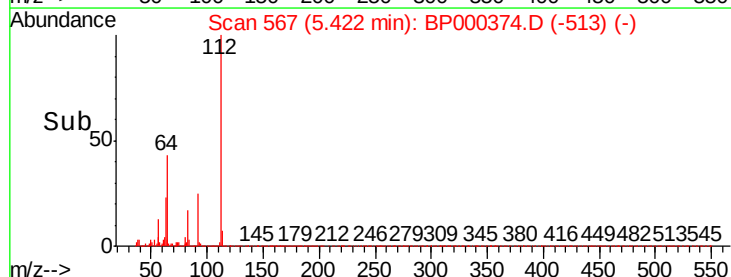
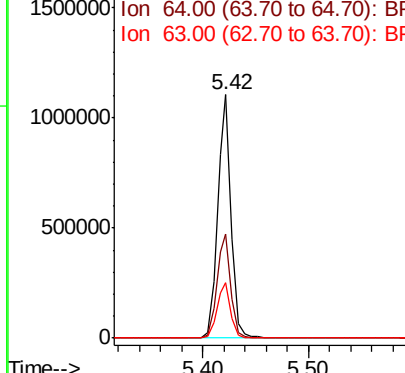


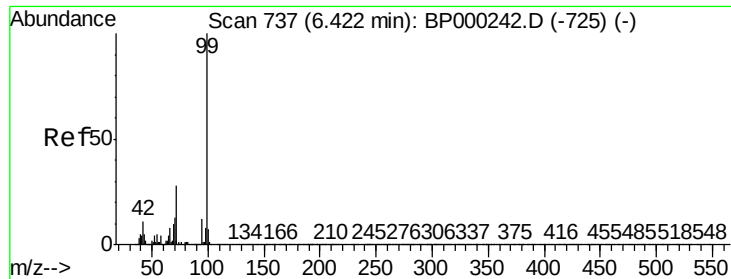
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 91.277 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.01 min

Lab File: BP000374.D

Acq: 23 Sep 2019 20:41

Instrument :

BNA_P

ClientSampleId :

WC-08-091919

Tot Ion: 99 Resp: 1261543

Ion Ratio Lower Upper

99 100

42 10.7 8.5 12.7

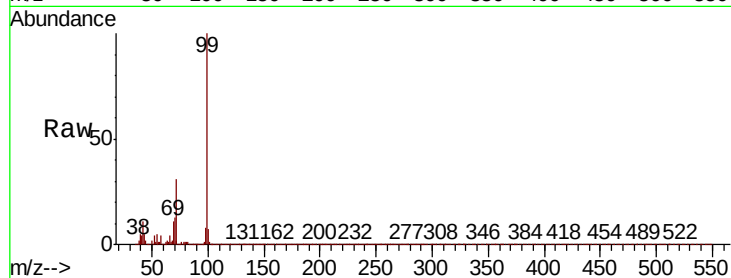
71 30.6 22.6 34.0

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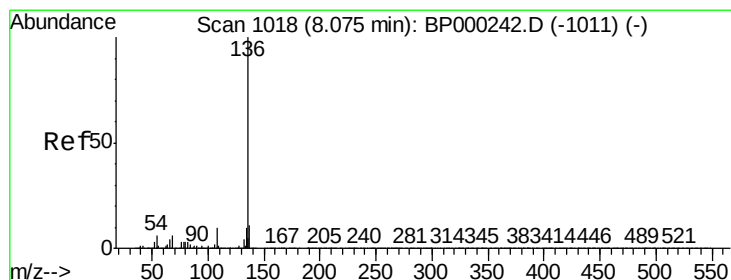
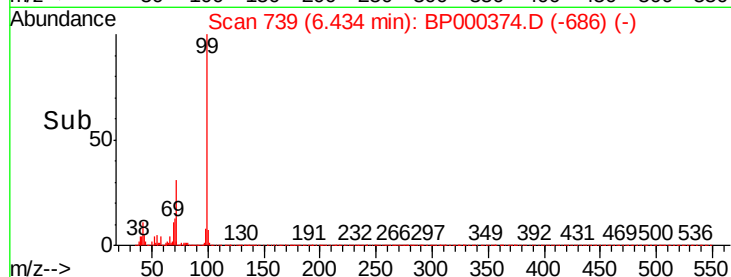
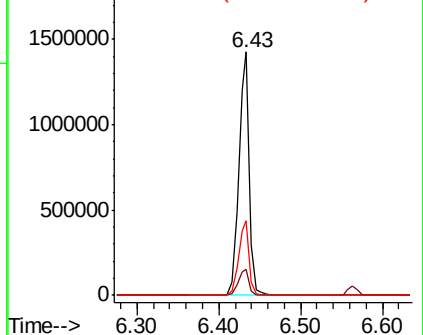
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Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.00 min

Lab File: BP000374.D

Acq: 23 Sep 2019 20:41

Tgt Ion: 136 Resp: 710527

Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 4.8 4.5 6.7

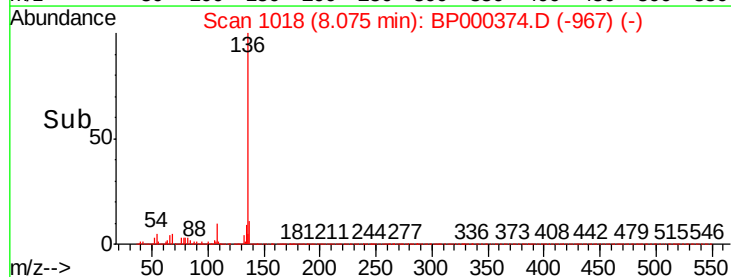
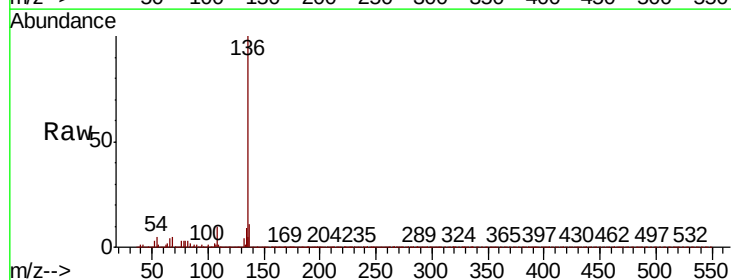
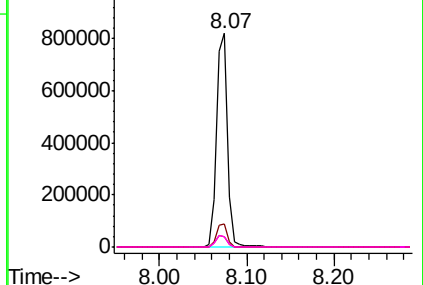
68 4.8 4.5 6.7

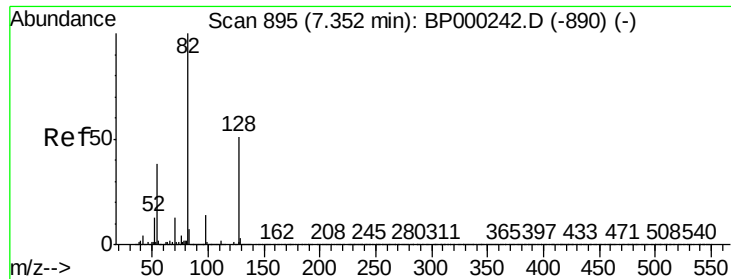
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BP0

Ion 68.00 (67.70 to 68.70): BP0





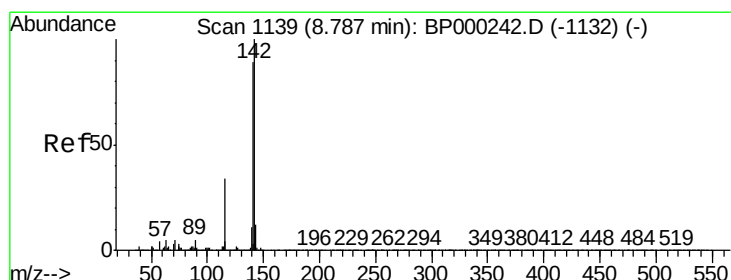
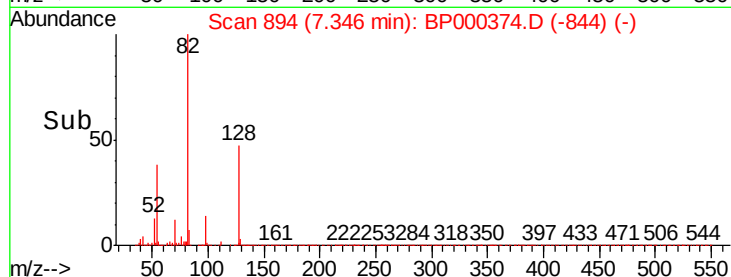
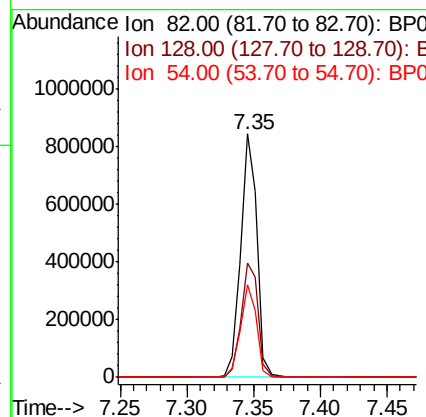
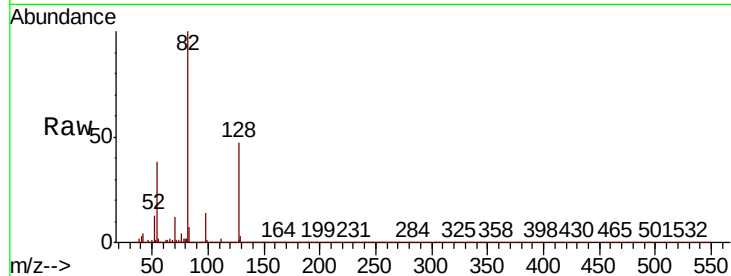
#23
Nitrobenzene-d5
Concen: 65.755 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BP000374.D
Acq: 23 Sep 2019 20:41

Instrument :
BNA_P
ClientSampled :
WC-08-091919

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.2	40.7	61.1
54	38.0	30.1	45.1

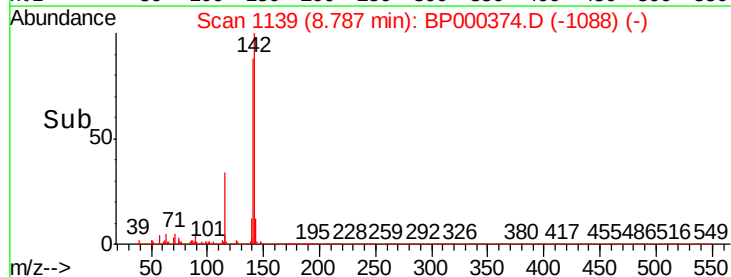
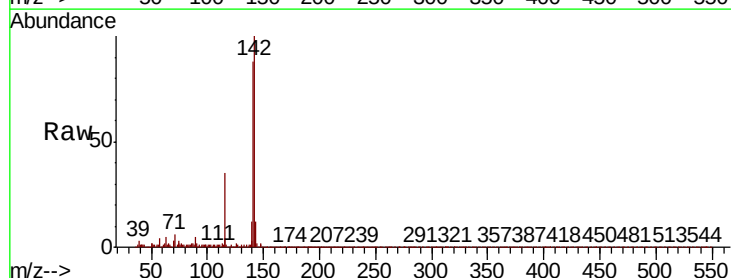
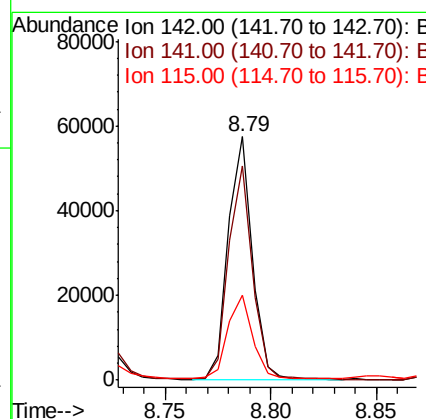
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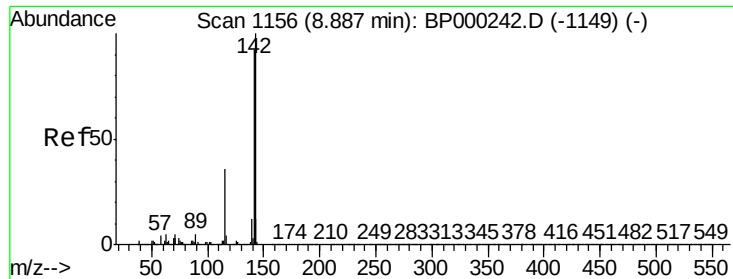
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#37
2-Methylnaphthalene
Concen: 2.001 ng
RT: 8.79 min Scan# 1139
Delta R.T. -0.00 min
Lab File: BP000374.D
Acq: 23 Sep 2019 20:41

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.9	71.3	106.9
115	34.8	27.2	40.8





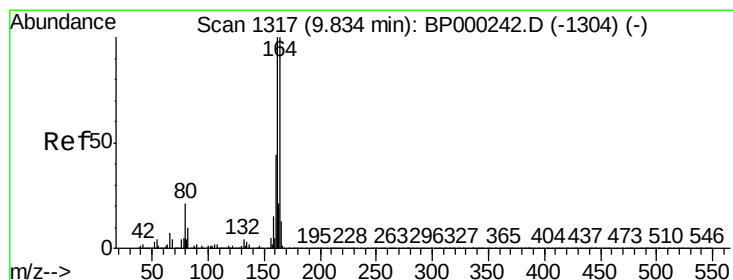
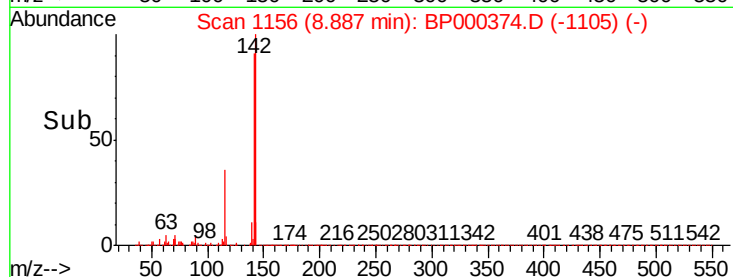
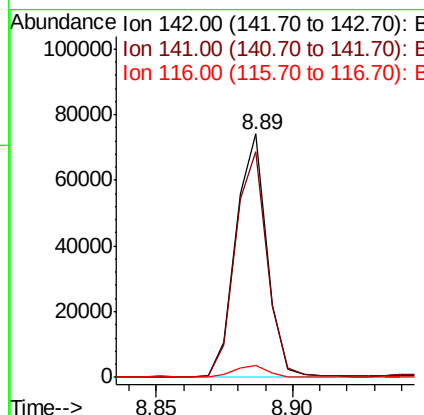
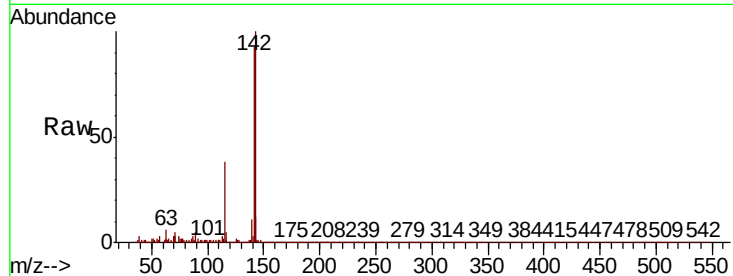
#38
1-Methylnaphthalene
Concen: 2.809 ng m
RT: 8.89 min Scan# 1156
Delta R.T. -0.00 min
Lab File: BP000374.D
Acq: 23 Sep 2019 20:41

Instrument :
BNA_P
ClientSampleId :
WC-08-091919

Tot Ion	Ratio	Lower	Upper
142	100		
141	92.6	73.9	110.9
116	4.7	3.0	4.6#

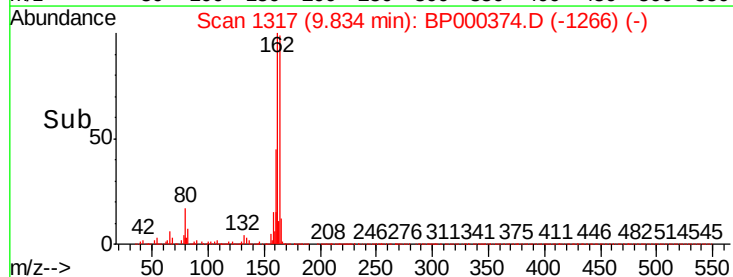
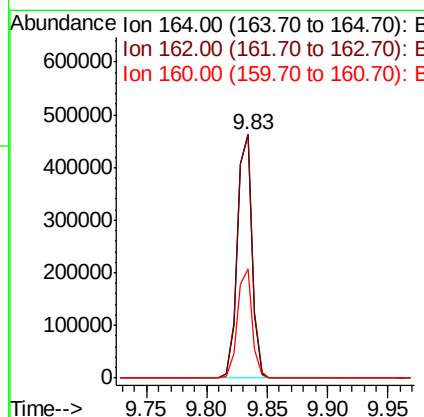
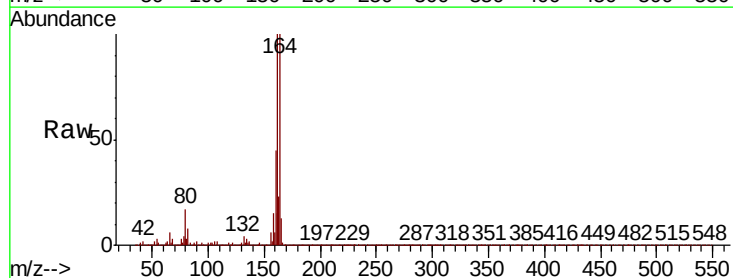
Manual Integrations
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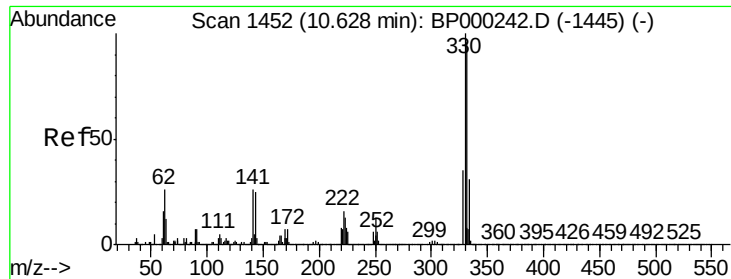
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BP000374.D
Acq: 23 Sep 2019 20:41

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.0	79.9	119.9
160	44.7	35.6	53.4





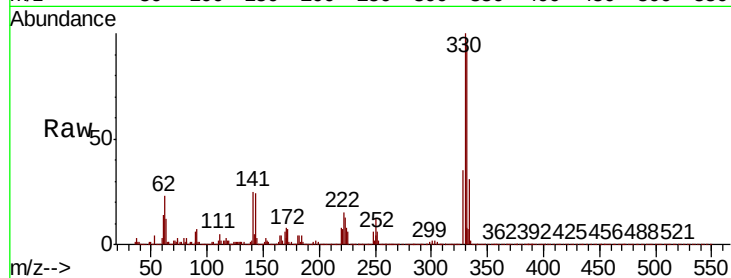
#42
2,4,6-Tribromophenol
Concen: 108.997 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.00 min
Lab File: BP000374.D
Acq: 23 Sep 2019 20:41

Instrument :
BNA_P
ClientSampleId :
WC-08-091919

Tot Ion	Ratio	Resp	Lower	Upper
330	100	424715		
332	96.2	76.6	115.0	
141	30.5	26.5	39.7	

Manual Integrations
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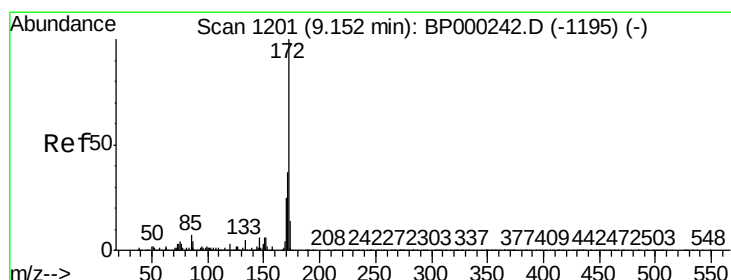
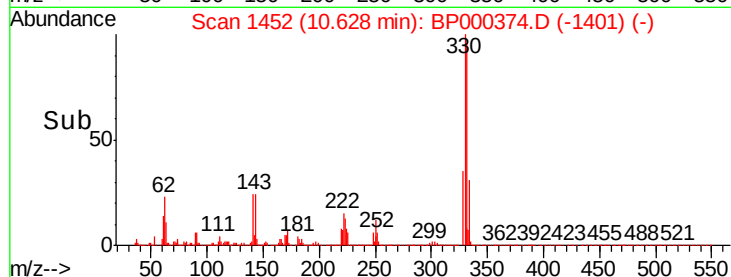
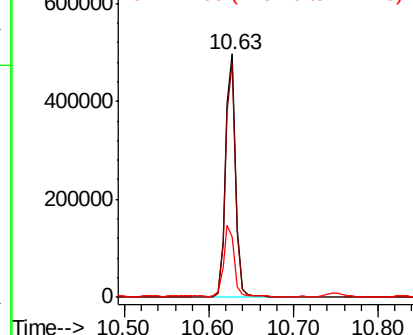


Abundance

Ion 329.80 (329.50 to 330.50): E

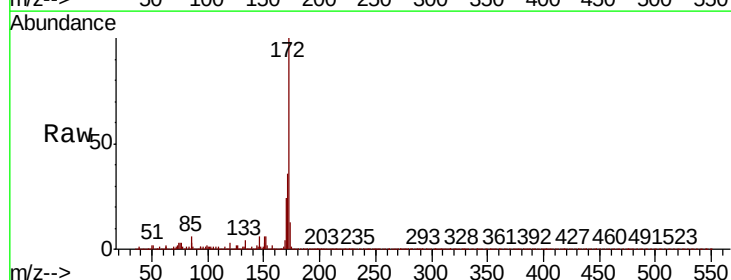
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
2-Fluorobiphenyl
Concen: 74.681 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.00 min
Lab File: BP000374.D
Acq: 23 Sep 2019 20:41

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1630091		
171	36.4	29.8	44.6	
170	23.8	19.8	29.6	

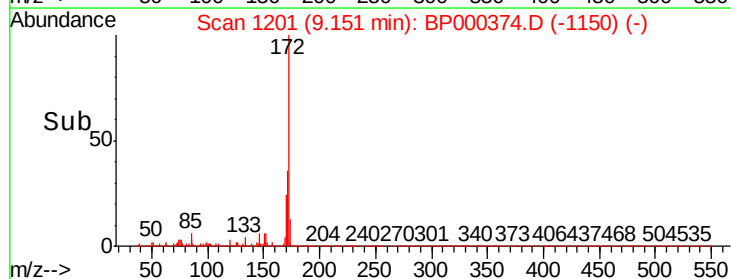
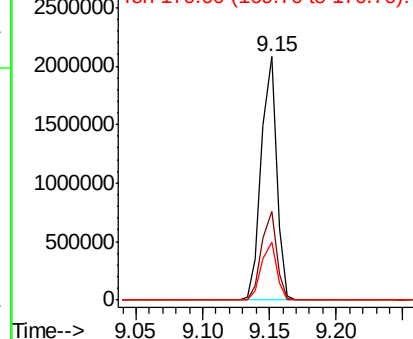


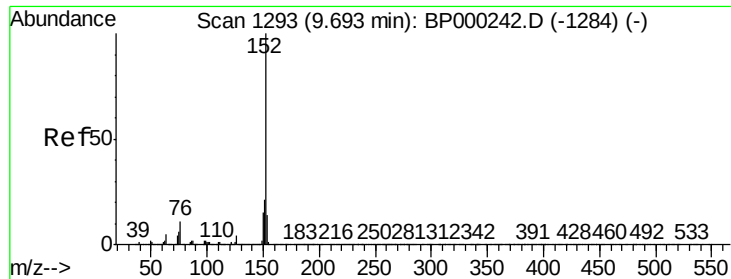
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





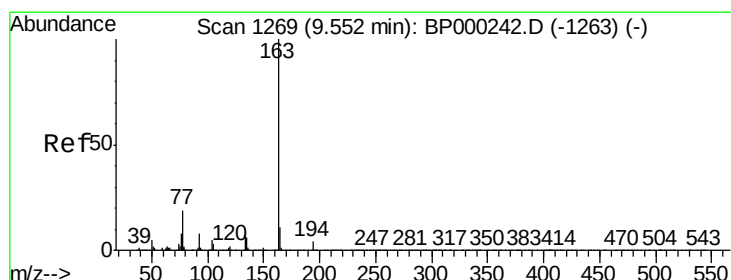
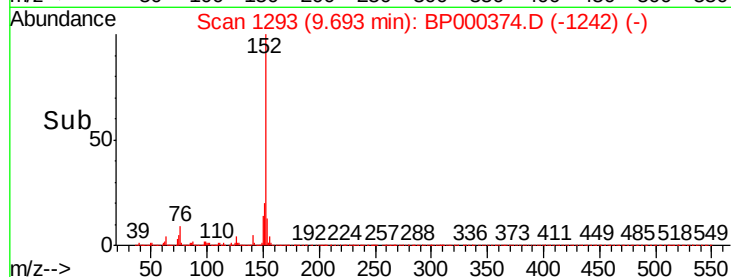
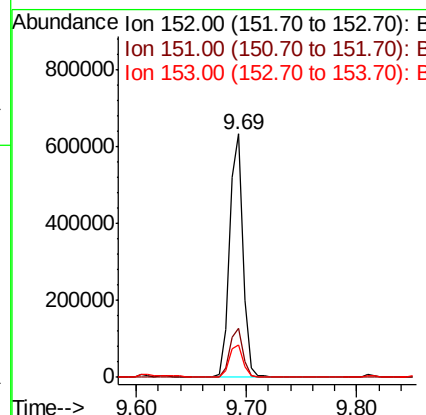
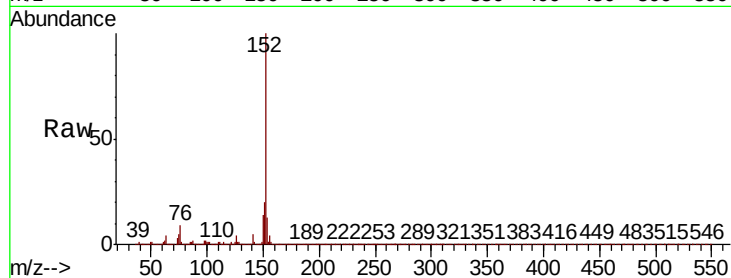
#49
Acenaphthylene
Concen: 15.743 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.00 min
Lab File: BP000374.D
Acq: 23 Sep 2019 20:41

Instrument :
BNA_P
ClientSampleId :
WC-08-091919

Tot Ion	Ratio	Resp	Lower	Upper
152	100	539501		
151	20.1	16.4	24.6	
153	13.2	11.0	16.4	

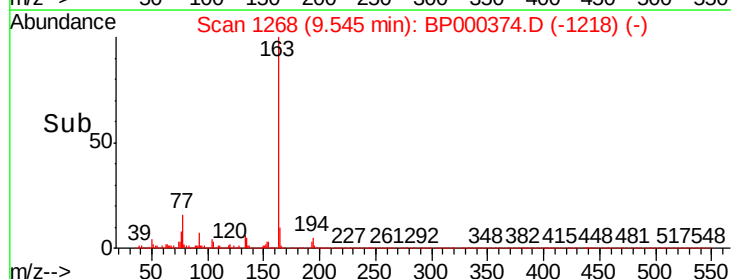
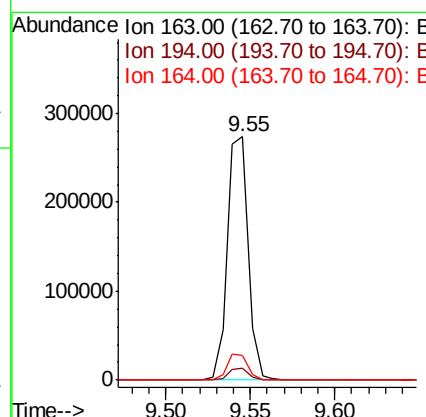
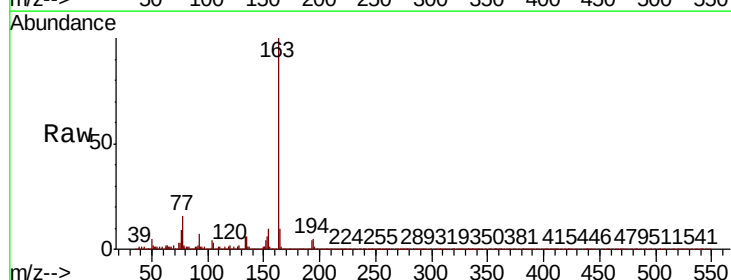
Manual Integrations
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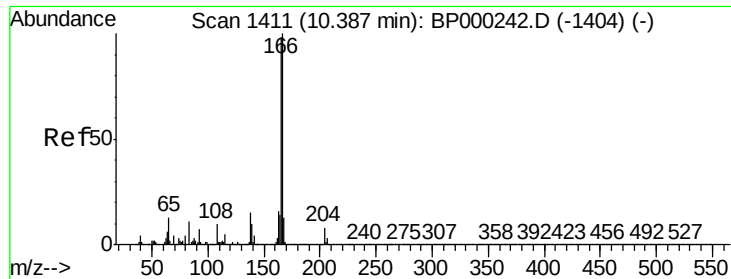
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#50
Dimethylphthalate
Concen: 8.739 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BP000374.D
Acq: 23 Sep 2019 20:41

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	233897		
194	4.9	3.4	5.0	
164	10.0	8.5	12.7	





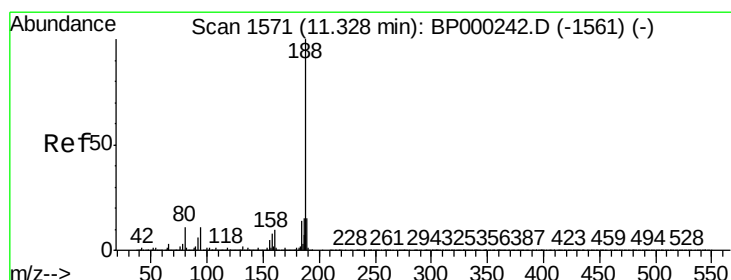
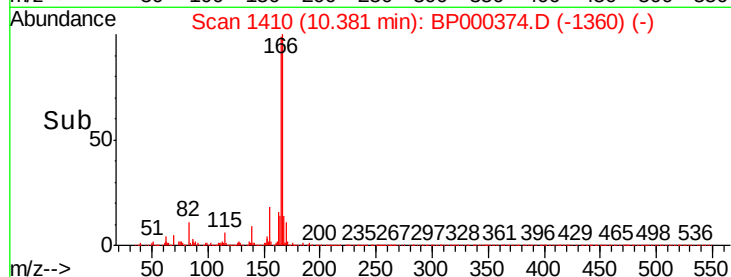
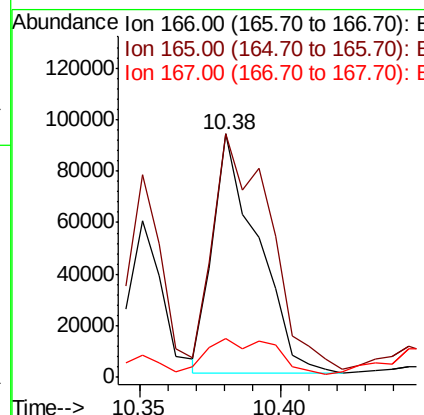
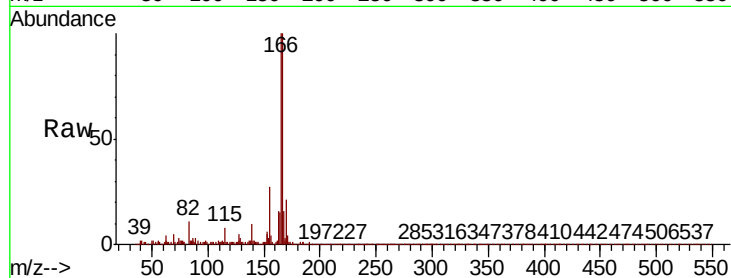
#58
 Fluorene
 Concen: 4.396 ng
 RT: 10.38 min Scan# 1410
 Delta R.T. -0.01 min
 Lab File: BP000374.D
 Acq: 23 Sep 2019 20:41

Instrument :
 BNA_P
 ClientSampleId :
 WC-08-091919

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.9	78.2	117.2
167	15.7	10.7	16.1

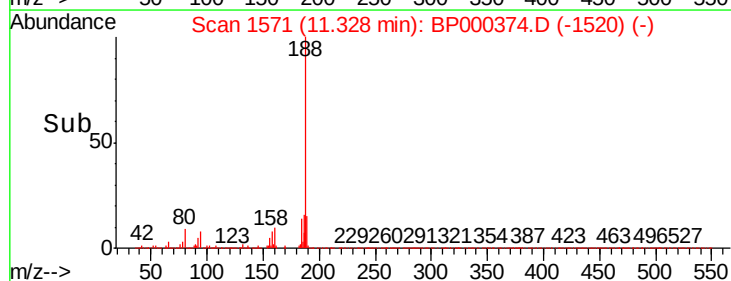
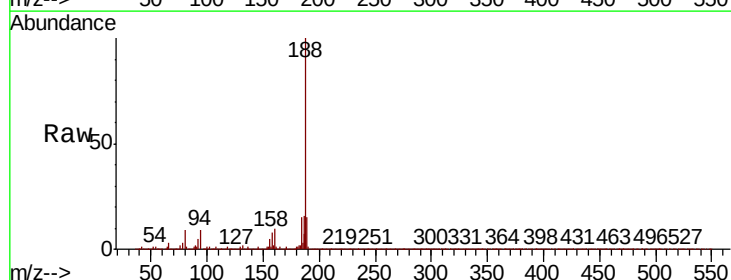
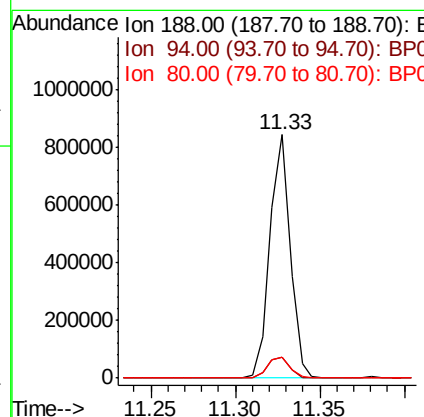
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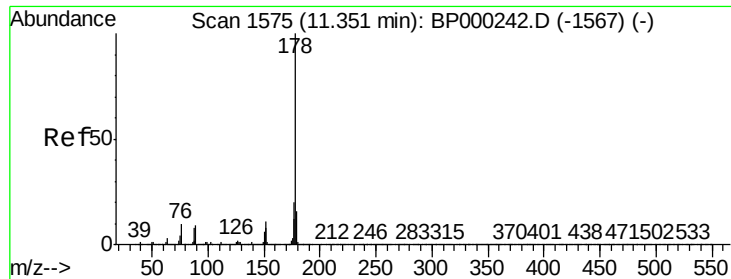
mohammad
 9/24/2019 2:38:49 PM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: BP000374.D
 Acq: 23 Sep 2019 20:41

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.5	8.5	12.7
80	8.8	8.6	13.0





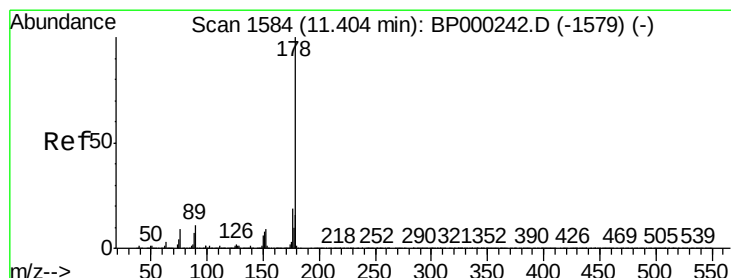
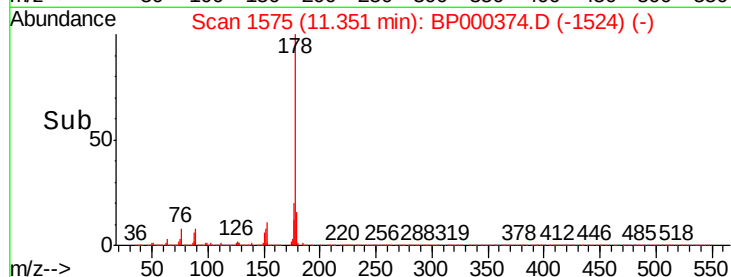
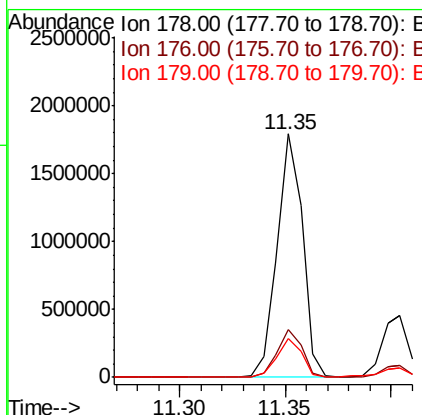
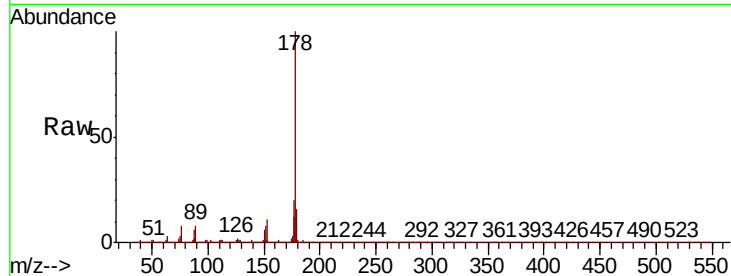
#71
Phenanthrene
Concen: 42.216 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.00 min
Lab File: BP000374.D
Acq: 23 Sep 2019 20:41

Instrument :
BNA_P
ClientSampleId :
WC-08-091919

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.8
179	16.0	12.7	19.1

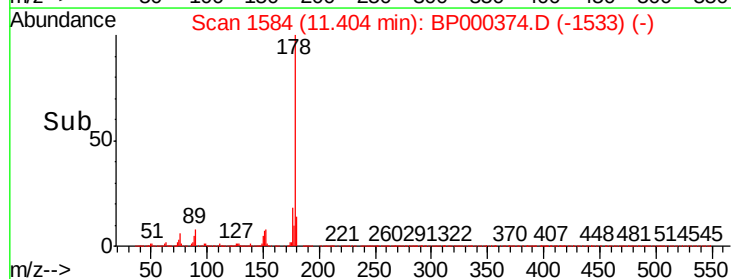
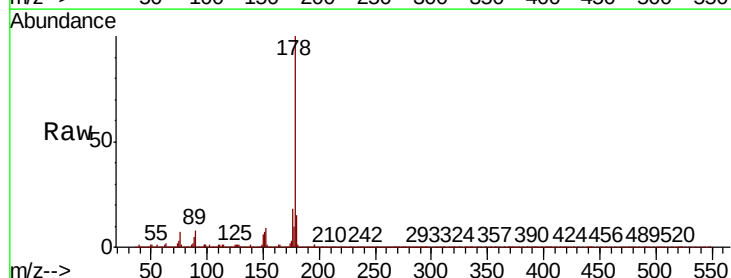
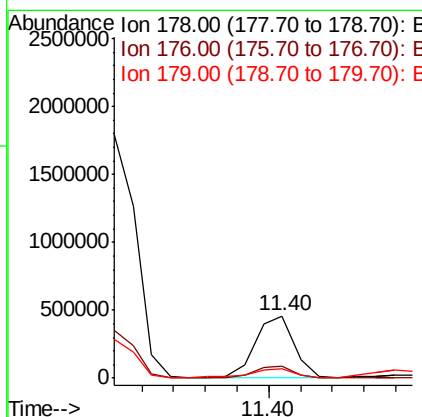
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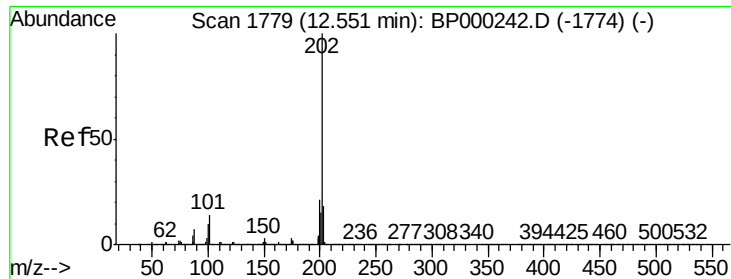
mohammad
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#72
Anthracene
Concen: 10.606 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.00 min
Lab File: BP000374.D
Acq: 23 Sep 2019 20:41

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.0
179	15.4	12.7	19.1





#75

Fluoranthene

Concen: 50.424 ng

RT: 12.56 min Scan# 1780

Delta R.T. 0.01 min

Lab File: BP000374.D

Acq: 23 Sep 2019 20:41

Instrument :

BNA_P

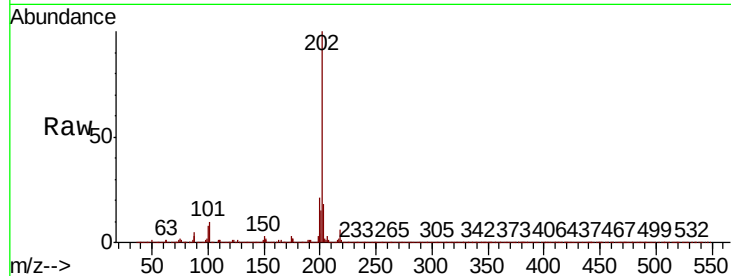
ClientSampled :

WC-08-091919

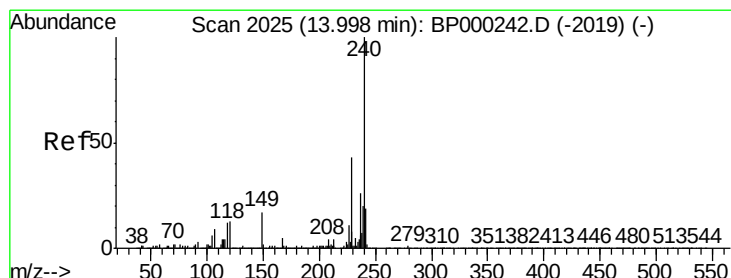
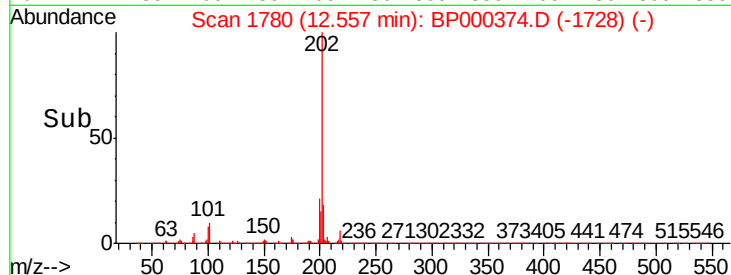
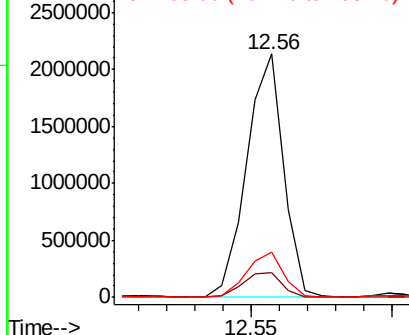
Tot Ion:	202	Resp:	1921128
Ion Ratio	Lower	Upper	
202	100		
101	10.1	0.0	33.9
203	18.4	0.0	38.0

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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

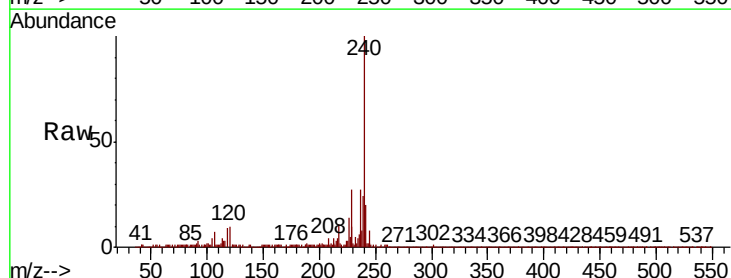
RT: 14.00 min Scan# 2025

Delta R.T. -0.00 min

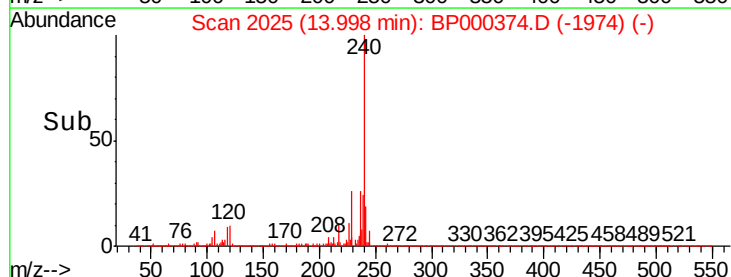
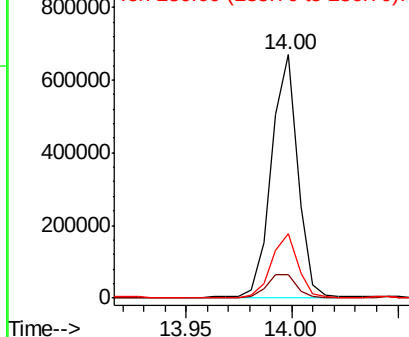
Lab File: BP000374.D

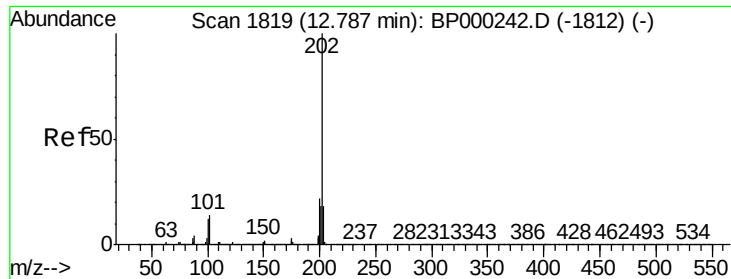
Acq: 23 Sep 2019 20:41

Tgt Ion:	240	Resp:	577057
Ion Ratio	Lower	Upper	
240	100		
120	9.8	10.4	15.6#
236	26.6	21.0	31.6



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





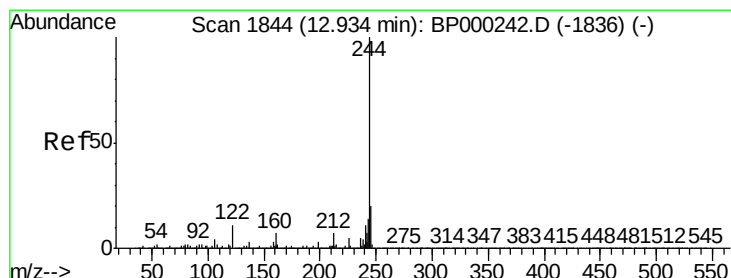
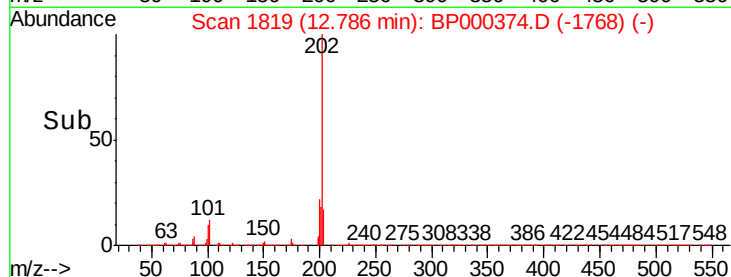
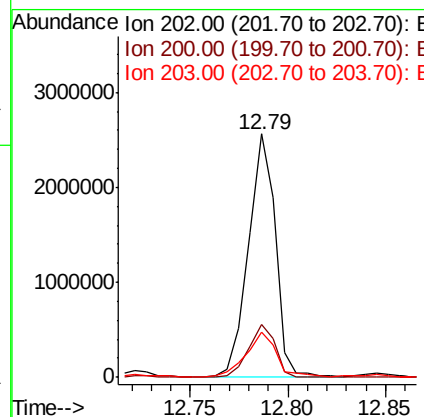
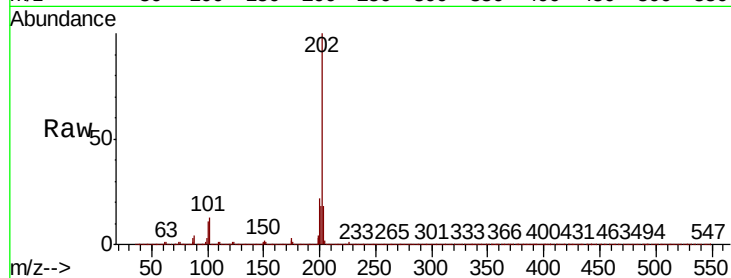
#78
Pvrene
Concen: 56.589 ng
RT: 12.79 min Scan# 1819
Delta R.T. -0.00 min
Lab File: BP000374.D
Acq: 23 Sep 2019 20:41

Instrument :
BNA_P
ClientSampleId :
WC-08-091919

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.5	26.3
203	18.3	14.3	21.5

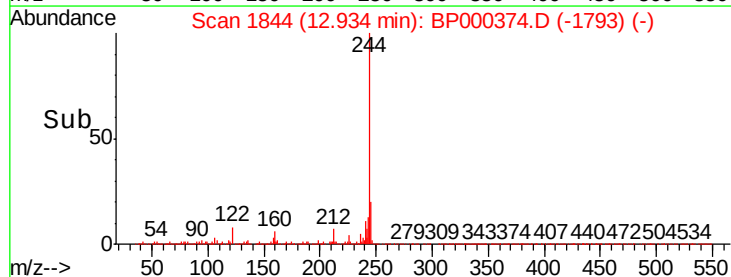
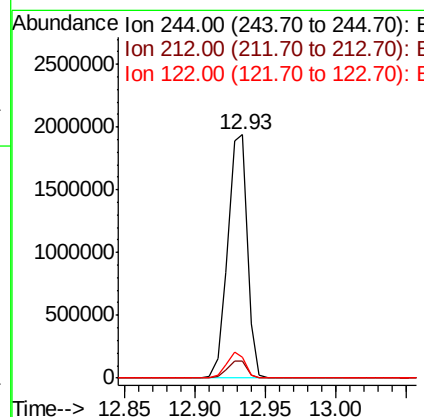
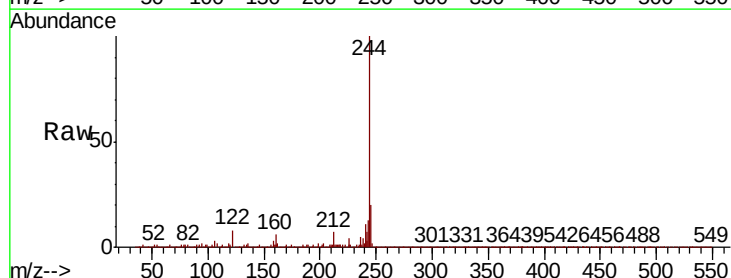
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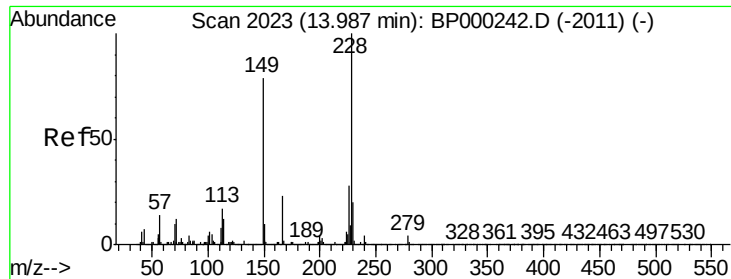
mohammad
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#79
Terphenyl-d14
Concen: 68.078 ng
RT: 12.93 min Scan# 1844
Delta R.T. -0.00 min
Lab File: BP000374.D
Acq: 23 Sep 2019 20:41

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.9	8.9
122	8.3	9.0	13.4





#81

Benzo(a)anthracene

Concen: 28.897 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.00 min

Lab File: BP000374.D

Acq: 23 Sep 2019 20:41

Instrument :

BNA_P

ClientSampleId :

WC-08-091919

Tot Ion:228 Resp: 1053342

Ion Ratio Lower Upper

228 100

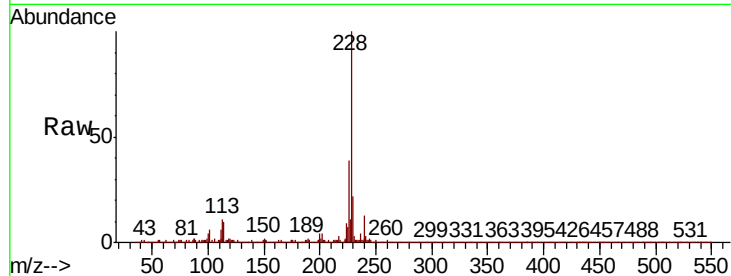
226 38.8 22.2 33.4#

229 21.8 16.0 24.0

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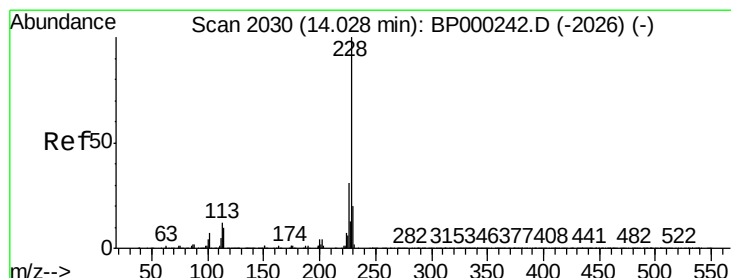
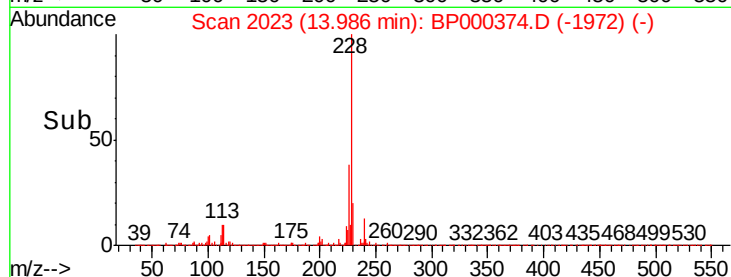
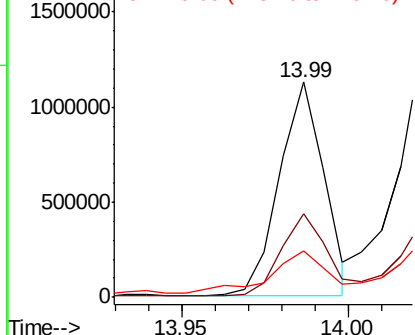


Abundance

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: 33.277 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BP000374.D

Acq: 23 Sep 2019 20:41

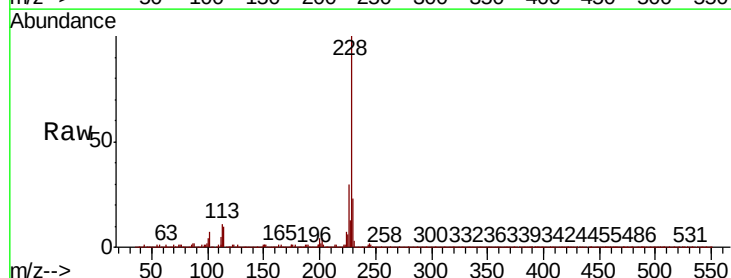
Tgt Ion:228 Resp: 1190962

Ion Ratio Lower Upper

228 100

226 30.3 24.9 37.3

229 22.7 16.2 24.2

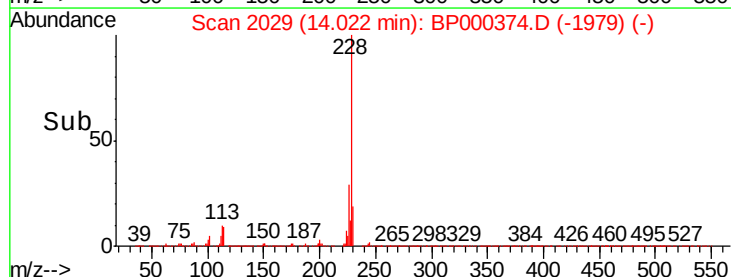
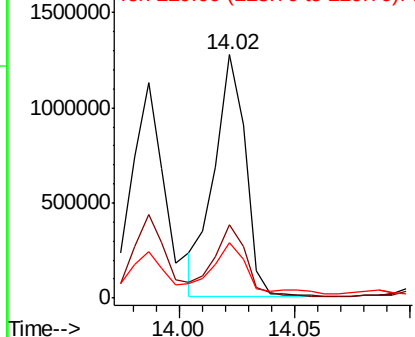


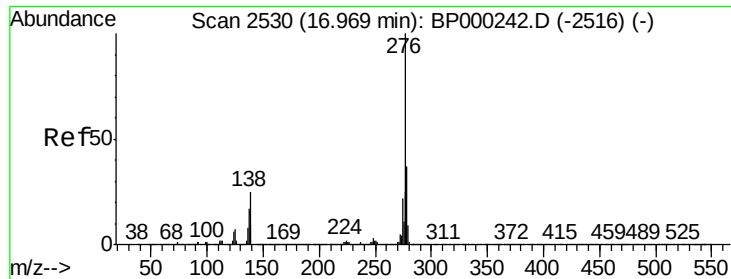
Abundance

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





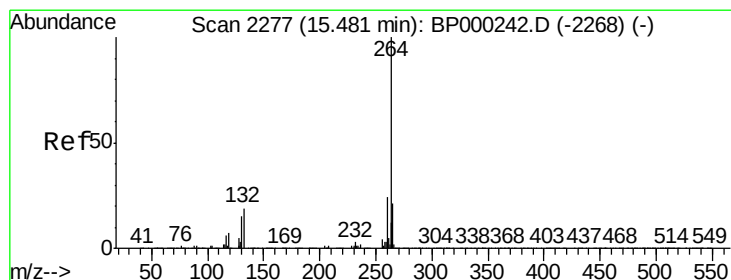
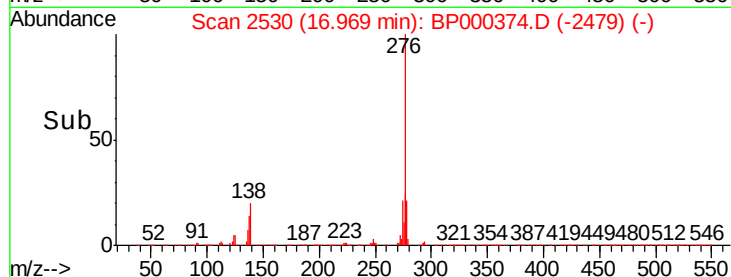
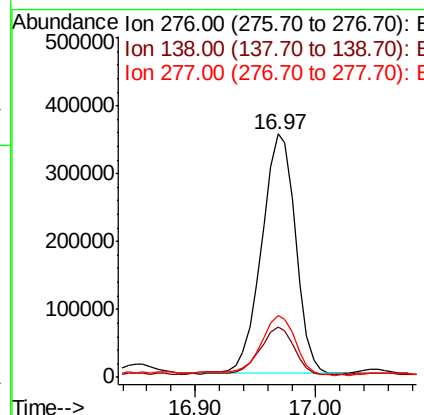
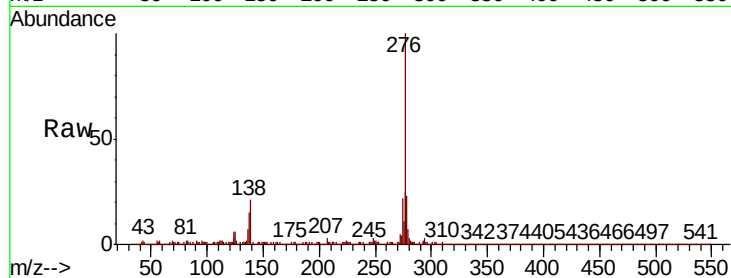
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 15.720 ng
 RT: 16.97 min Scan# 2530
 Delta R.T. -0.00 min
 Lab File: BP000374.D
 Acq: 23 Sep 2019 20:41

Instrument :
 BNA_P
 ClientSampleId :
 WC-08-091919

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.7	22.6	33.8#
277	26.7	20.4	30.6

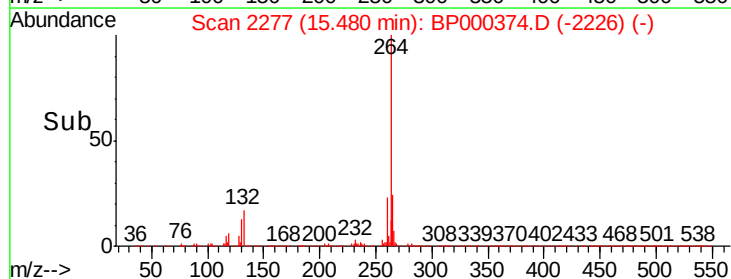
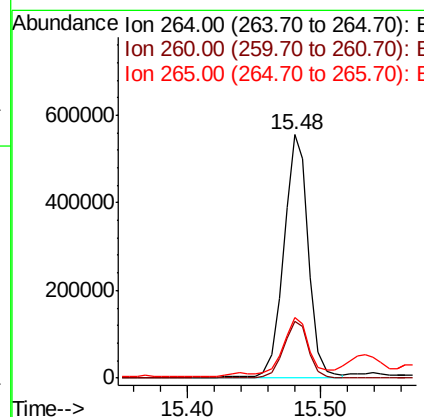
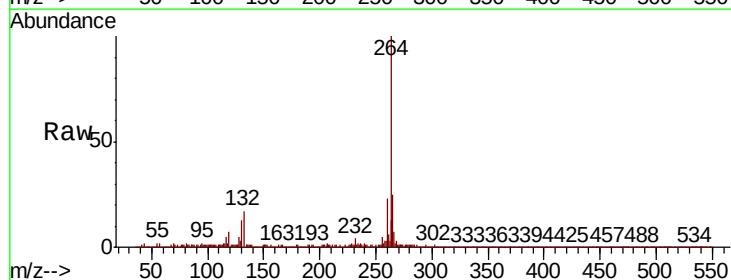
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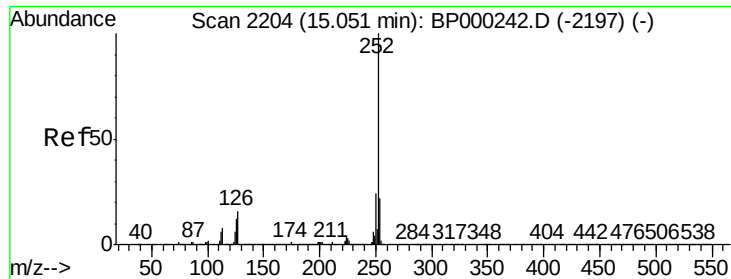
mohammad
 9/24/2019 2:38:49 PM



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.48 min Scan# 2277
 Delta R.T. -0.00 min
 Lab File: BP000374.D
 Acq: 23 Sep 2019 20:41

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.9	28.3
265	24.8	17.2	25.8





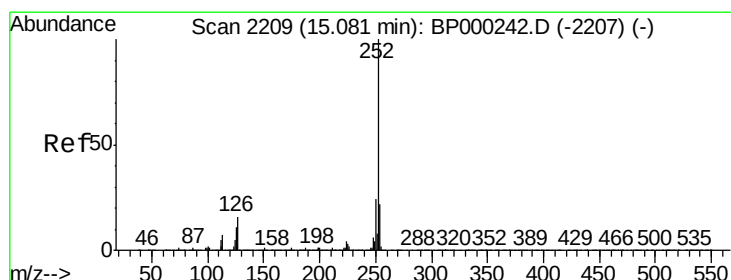
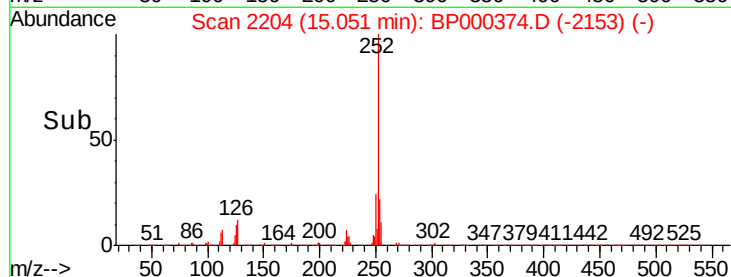
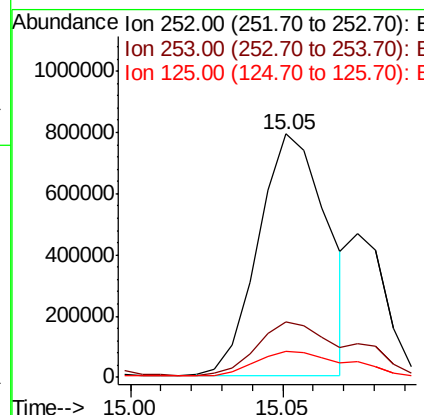
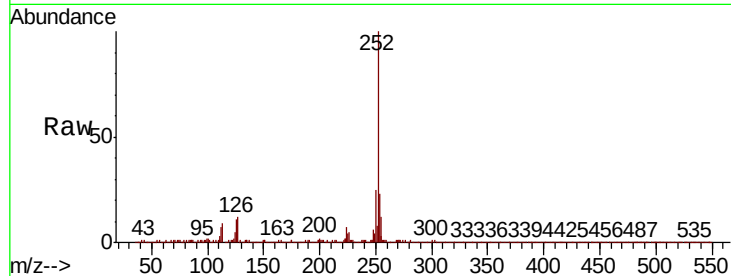
#88
Benzo(b)fluoranthene
Concen: 29.277 ng m
RT: 15.05 min Scan# 2204
Delta R.T. -0.00 min
Lab File: BP000374.D
Acq: 23 Sep 2019 20:41

Instrument :
BNA_P
ClientSampled :
WC-08-091919

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.6
125	10.8	9.5	14.3

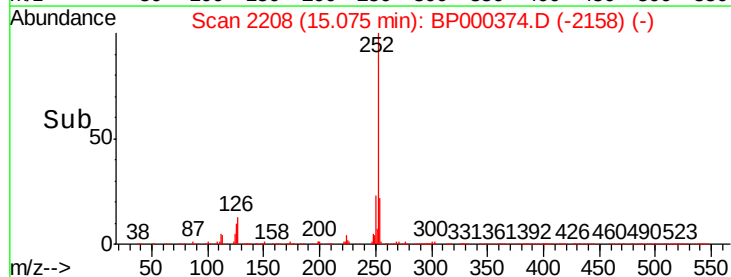
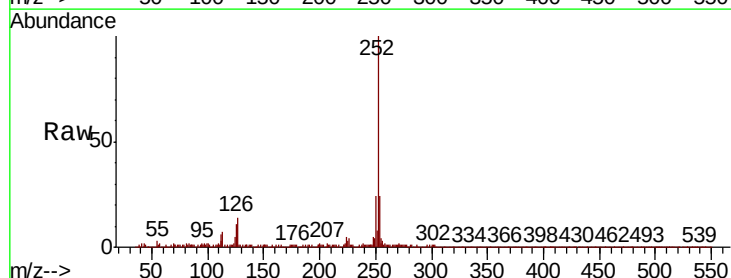
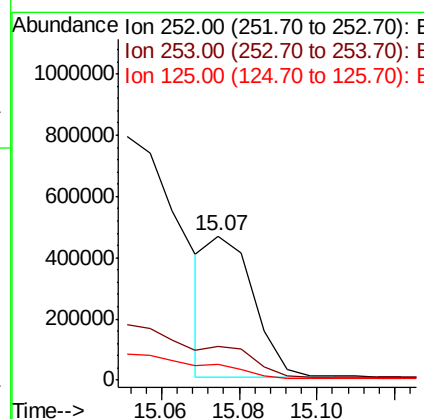
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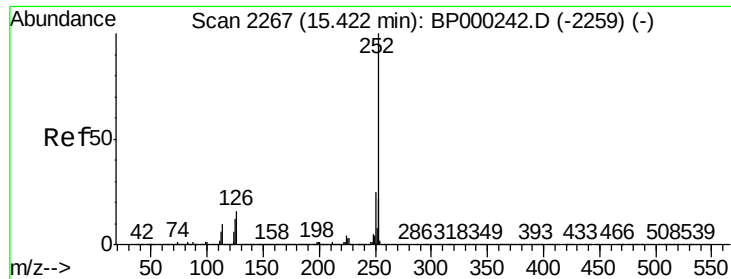
mohammad
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#89
Benzo(k)fluoranthene
Concen: 9.970 ng m
RT: 15.07 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BP000374.D
Acq: 23 Sep 2019 20:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.8
125	10.7	9.6	14.4





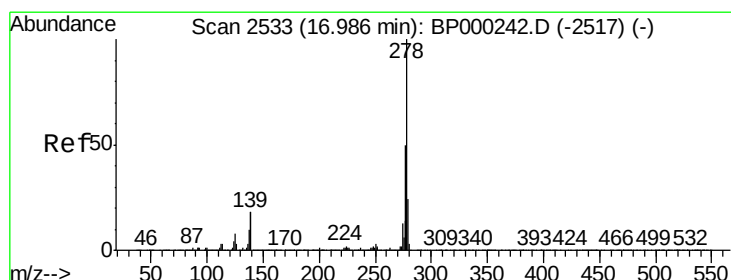
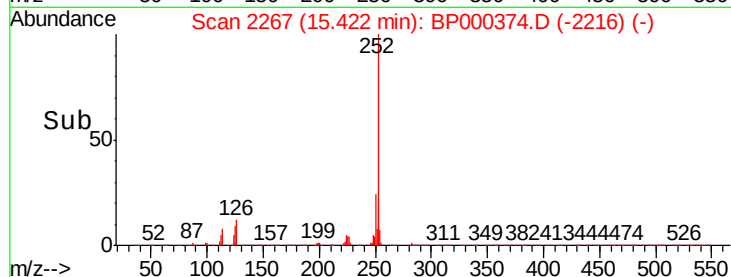
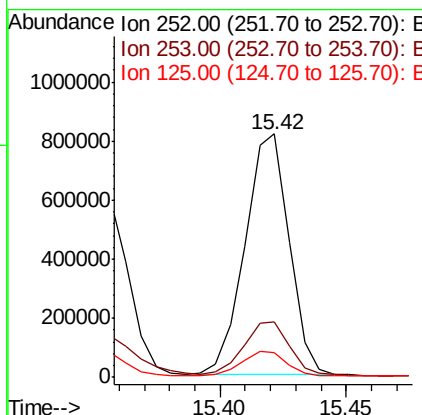
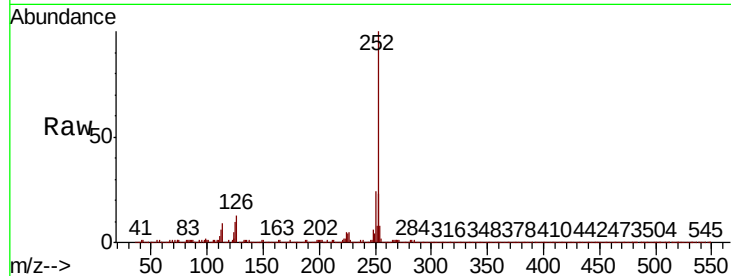
#90
Benzo(a)pyrene
Concen: 25.681 ng m
RT: 15.42 min Scan# 2267
Delta R.T. -0.00 min
Lab File: BP000374.D
Acq: 23 Sep 2019 20:41

Instrument :
BNA_P
ClientSampled :
WC-08-091919

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.7	26.5
125	10.0	10.0	15.0

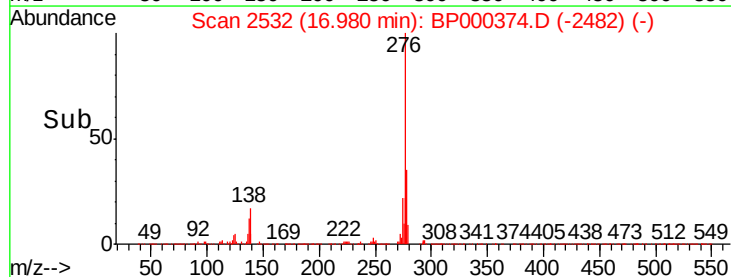
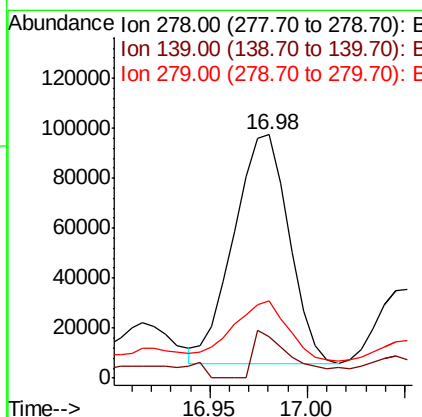
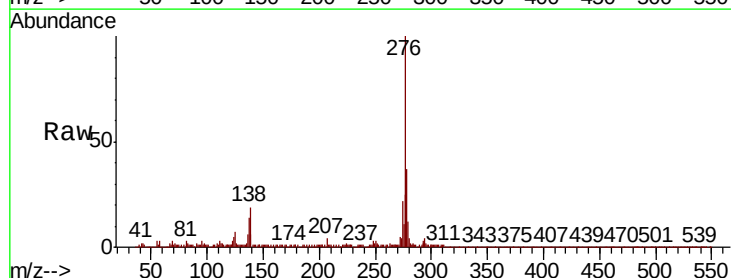
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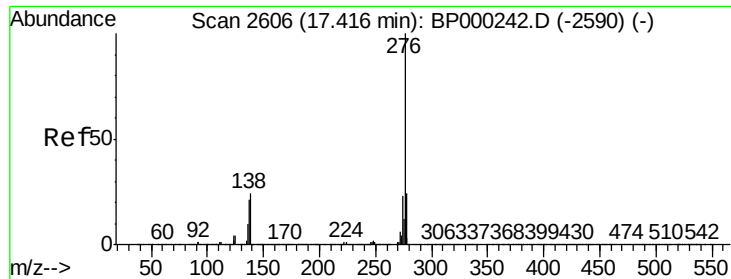
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 5.028 ng
RT: 16.98 min Scan# 2532
Delta R.T. -0.01 min
Lab File: BP000374.D
Acq: 23 Sep 2019 20:41

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.2	14.5	21.7
279	31.6	19.0	28.6





#92
 Benzo(a,h,i)perylene
 Concen: 20.307 ng
 RT: 17.42 min Scan# 2607
 Delta R.T. 0.01 min
 Lab File: BP000374.D
 Acq: 23 Sep 2019 20:41

Instrument :
 BNA_P
 ClientSampleId :
 WC-08-091919

Tot Ion:	276	Resp:	748693
Ion Ratio	Lower	Upper	
276	100		
277	23.4	19.1	28.7
138	19.8	19.5	29.3

Manual Integrations
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