

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120519\
 Data File : BP001223.D
 Acq On : 05 Dec 2019 20:57
 Operator : JU
 Sample : K6145-03
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TH-3

Manual Integrations
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Quant Time: Dec 06 07:48:55 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP112719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 05 12:34:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	12/6/2019 3:03:29 PM
1) 1,4-Dichlorobenzene-d4	8.31	152	79430	20.00	ng	0.00	
21) Naphthalene-d8	10.35	136	293533	20.00	ng	0.00	
39) Acenaphthene-d10	13.21	164	167506	20.00	ng	0.00	
64) Phenanthrene-d10	15.61	188	312067	20.00	ng	0.00	
76) Chrysene-d12	19.27	240	233212	20.00	ng	0.01	
87) Perylene-d12	21.05	264	276970	20.00	ng	0.02	
System Monitoring Compounds							
5) 2-Fluorophenol	6.22	112	478657	99.98	ng	0.00	
7) Phenol-d6	7.76	99	671407	105.27	ng	0.00	
23) Nitrobenzene-d5	9.19	82	458972	67.84	ng	0.00	
42) 2,4,6-Tribromophenol	14.50	330	166595	103.76	ng	0.00	
45) 2-Fluorobiphenyl	12.13	172	711022	62.13	ng	0.00	
79) Terphenyl-d14	17.89	244	748996	59.42	ng	0.00	
Target Compounds							Qvalue
31) Naphthalene	10.38	128	263934	17.606	ng		99
37) 2-Methylnaphthalene	11.51	142	115588	11.299	ng		99
38) 1-Methylnaphthalene	11.67	142	83365	8.627	ng		98
46) 1,1'-Biphenyl	12.28	154	59722	4.613	ng		99
49) Acenaphthylene	12.98	152	133228	8.595	ng		99
50) Dimethylphthalate	12.79	163	75643	6.038	ng		100
52) Acenaphthene	13.26	154	390547	41.887	ng		100
55) Dibenzofuran	13.55	168	497517	35.510	ng		99
58) Fluorene	14.11	166	718299	63.981	ng		98
71) Phenanthrene	15.67	178	6121412	373.111	ng		99
72) Anthracene	15.73	178	1591440	98.414	ng		99
73) Carbazole	15.97	167	449766	30.566	ng		99
75) Fluoranthene	17.39	202	7347653	423.039	ng		95
78) Pyrene	17.69	202	6081331	331.077	ng		98
81) Benzo(a)anthracene	19.26	228	3057112	189.067	ng		97
83) Chrysene	19.31	228	2494582	172.287	ng		96
86) Indeno(1,2,3-cd)pyrene	22.72	276	1776582	104.112	ng		95
88) Benzo(b)fluoranthene	20.57	252	3610727m	213.434	ng		
89) Benzo(k)fluoranthene	20.60	252	1003004m	61.557	ng		
90) Benzo(a)pyrene	20.99	252	2594010	166.470	ng		97
91) Dibenzo(a,h)anthracene	22.73	278	406121	26.632	ng		96
92) Benzo(g,h,i)perylene	23.22	276	1771894	117.673	ng		99

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

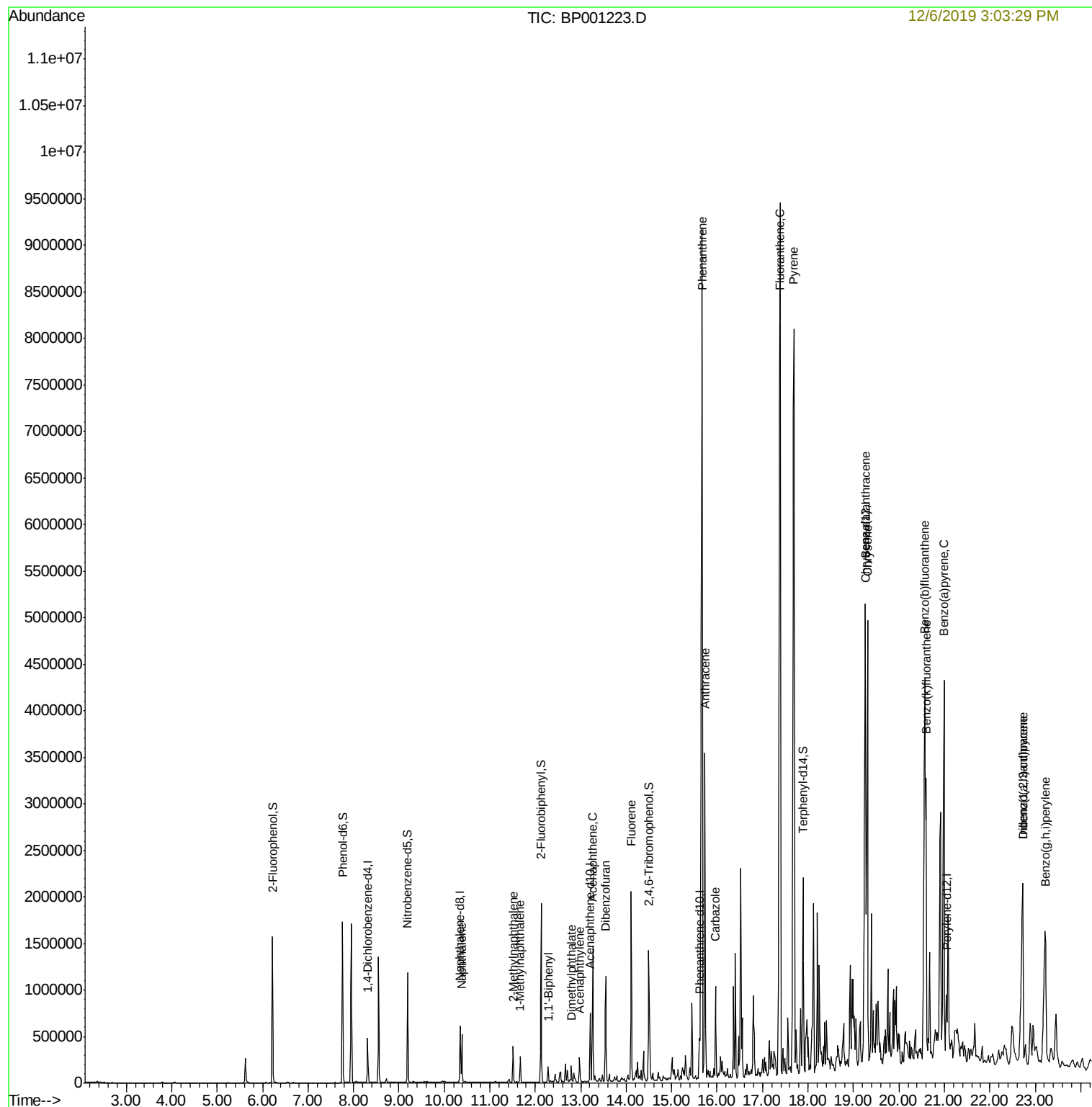
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120519\
Data File : BP001223.D
Acq On : 05 Dec 2019 20:57
Operator : JU
Sample : K6145-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

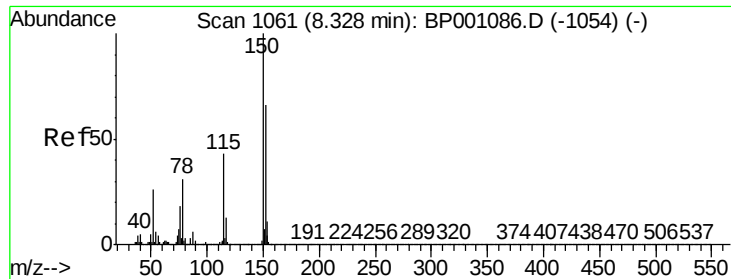
Instrument :
BNA_P
ClientSampleId :
TH-3

Quant Time: Dec 06 07:48:55 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP112719.M
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QLast Update : Thu Dec 05 12:34:47 2019
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.31 min Scan# 1058

Delta R.T. 0.00 min

Lab File: BP001223.D

Acq: 05 Dec 2019 20:57

Instrument :

BNA_P

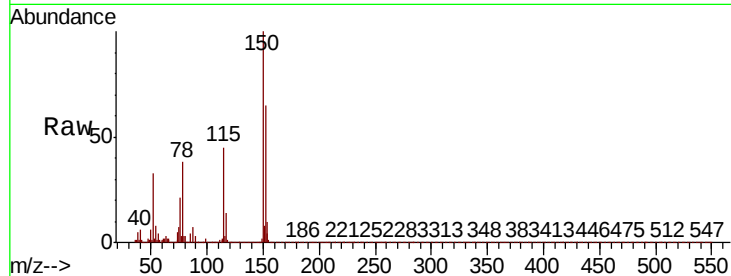
ClientSampled :

TH-3

Tot Ion:	152	Resp:	79430
Ion Ratio	Lower	Upper	
152	100		
150	153.7	127.3	190.9
115	68.8	56.0	84.0

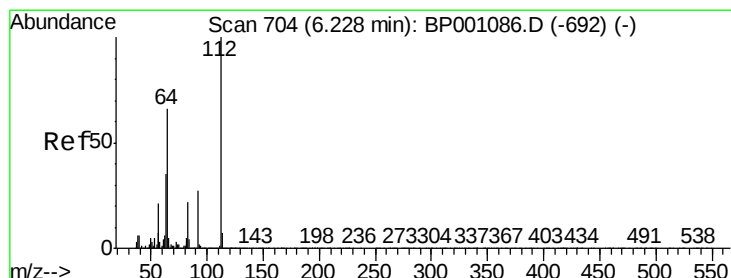
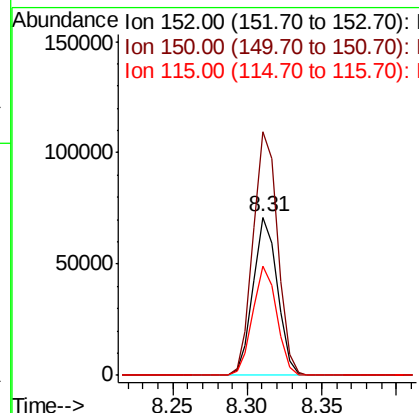
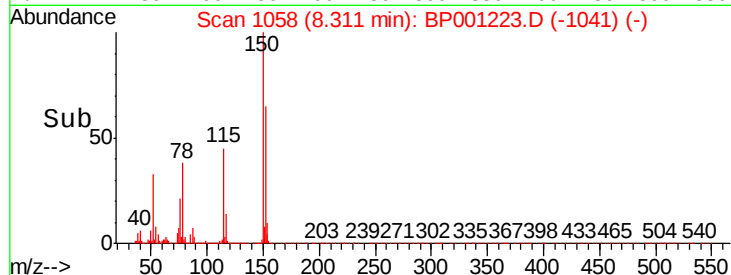
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E

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#5

2-Fluorophenol

Concen: 99.979 ng

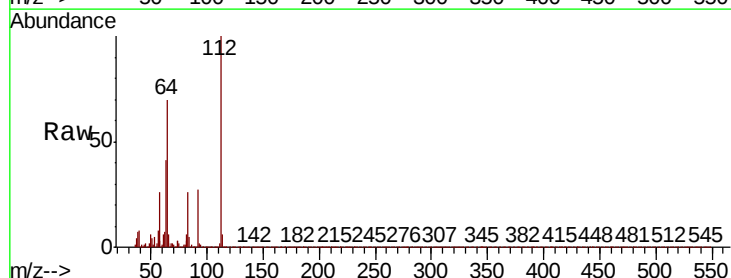
RT: 6.22 min Scan# 702

Delta R.T. 0.01 min

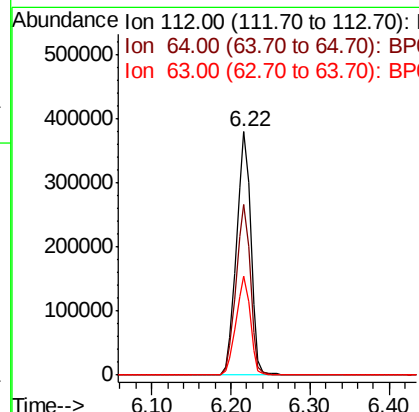
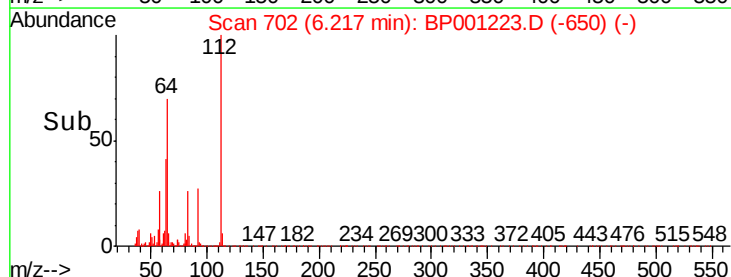
Lab File: BP001223.D

Acq: 05 Dec 2019 20:57

Tgt Ion:	112	Resp:	478657
Ion Ratio	Lower	Upper	
112	100		
64	70.0	56.8	85.2
63	40.7	32.2	48.2



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: 105.265 ng

RT: 7.76 min Scan# 964

Delta R.T. -0.01 min

Lab File: BP001223.D

Acq: 05 Dec 2019 20:57

Instrument :

BNA_P

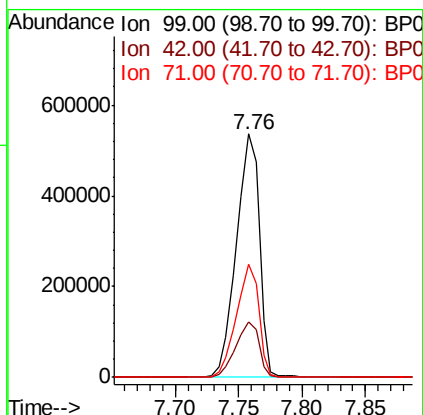
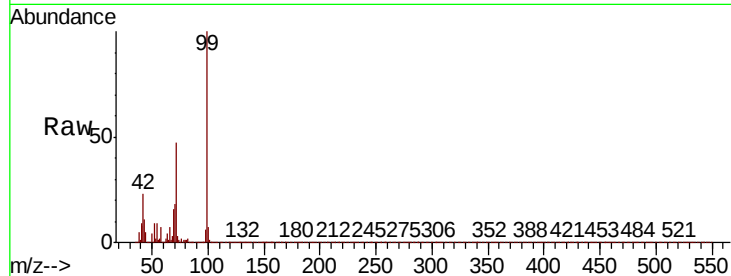
ClientSampleId :

TH-3

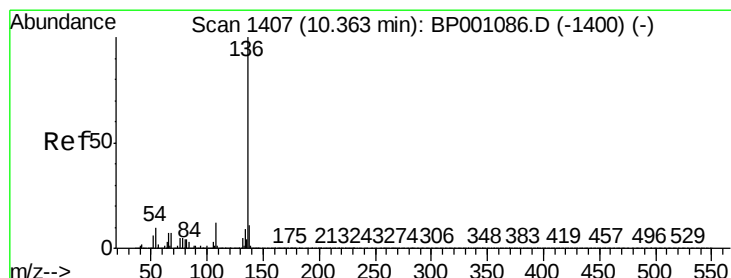
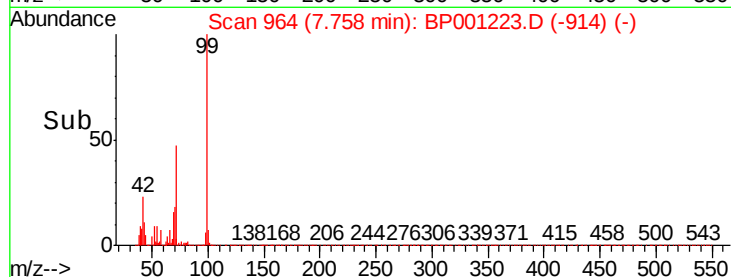
Tot Ion:	99	Resp:	671407
Ion Ratio	Lower	Upper	
99	100		
42	23.0	17.6	26.4
71	46.7	33.8	50.8

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#21

Naphthalene-d8

Concen: 20.000 ng

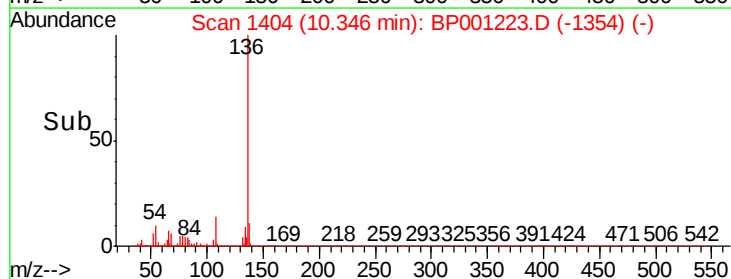
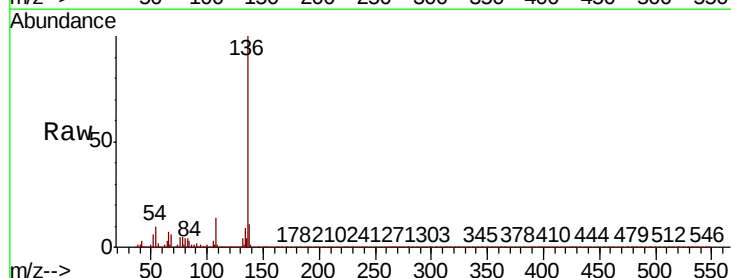
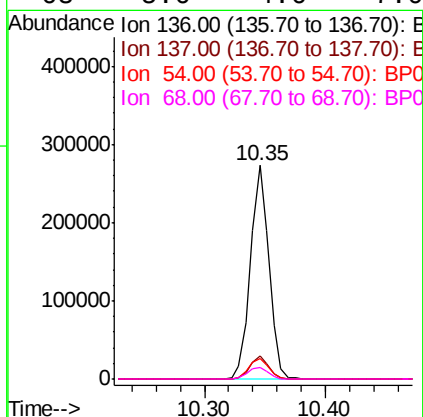
RT: 10.35 min Scan# 1404

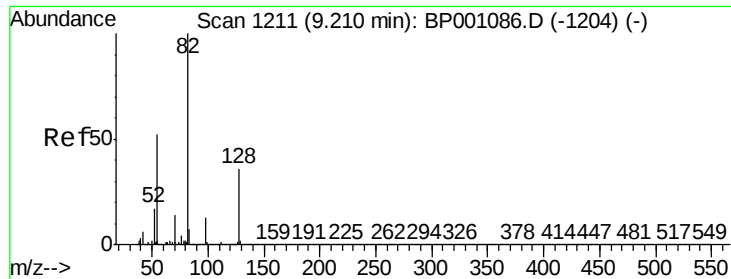
Delta R.T. -0.01 min

Lab File: BP001223.D

Acq: 05 Dec 2019 20:57

Tgt Ion:	136	Resp:	293533
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.4	12.6
54	9.7	7.4	11.0
68	5.6	4.6	7.0





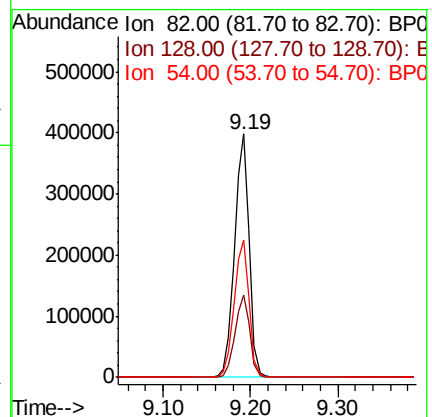
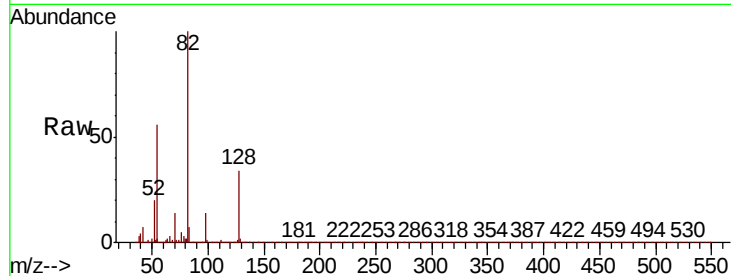
#23
Nitrobenzene-d5
Concen: 67.839 ng
RT: 9.19 min Scan# 1208
Delta R.T. -0.01 min
Lab File: BP001223.D
Acq: 05 Dec 2019 20:57

Instrument :
BNA_P
ClientSampleId :
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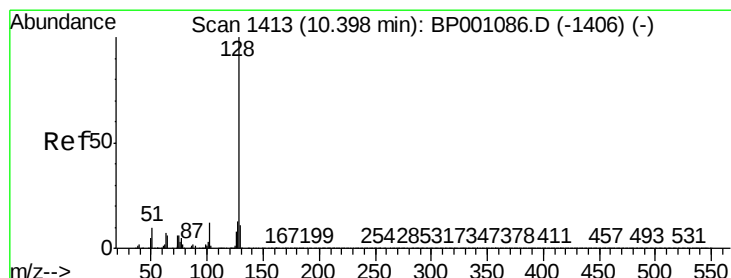
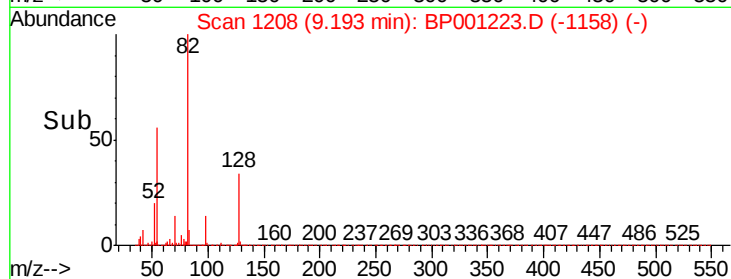
Tot Ion	Ratio	Lower	Upper
82	100		
128	34.0	27.5	41.3
54	56.2	45.7	68.5

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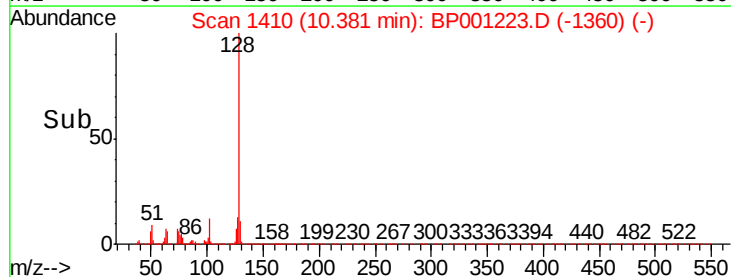
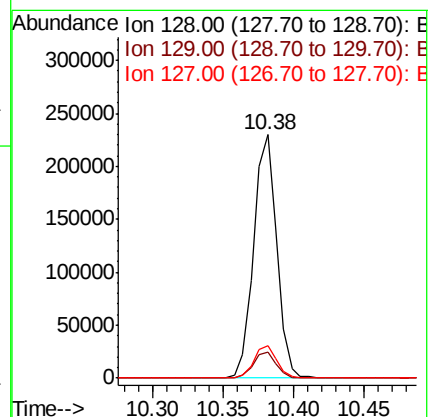
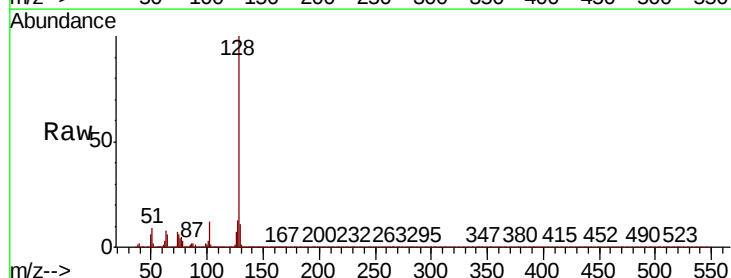


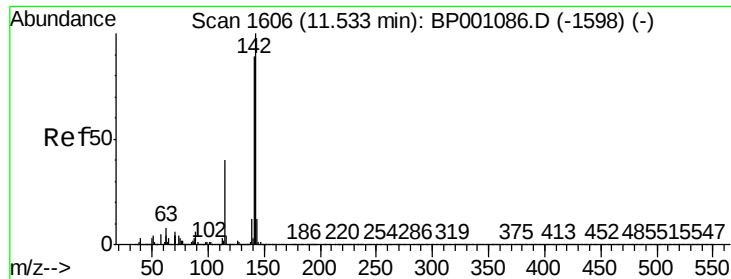
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#31
Naphthalene
Concen: 17.606 ng
RT: 10.38 min Scan# 1410
Delta R.T. -0.01 min
Lab File: BP001223.D
Acq: 05 Dec 2019 20:57

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.3	12.5
127	13.2	10.6	16.0





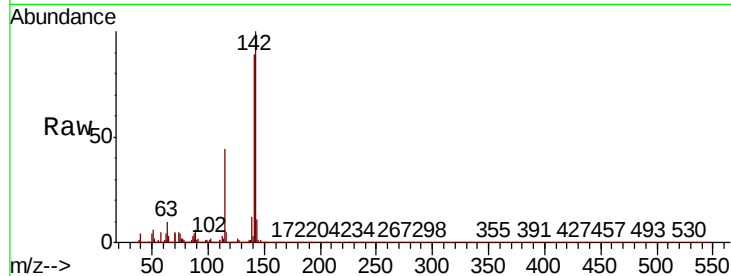
#37
2-Methylnaphthalene
Concen: 11.299 ng
RT: 11.51 min Scan# 1602
Delta R.T. -0.01 min
Lab File: BP001223.D
Acq: 05 Dec 2019 20:57

Instrument :
BNA_P
ClientSampled :
TH-3

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.6	107.4
115	44.4	36.0	54.0

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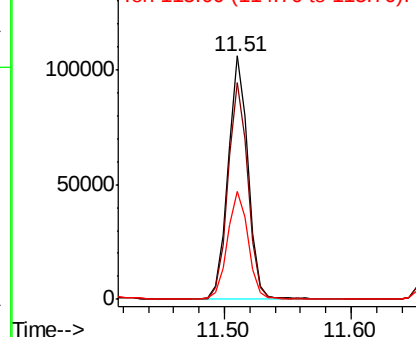


Abundance

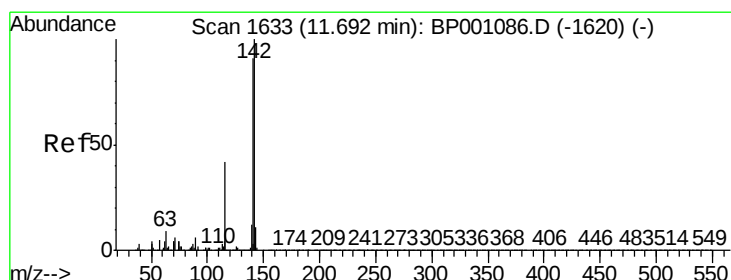
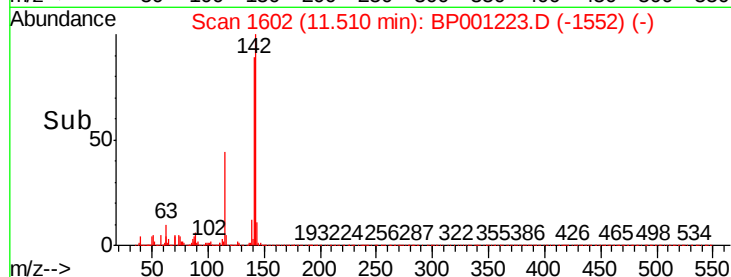
Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

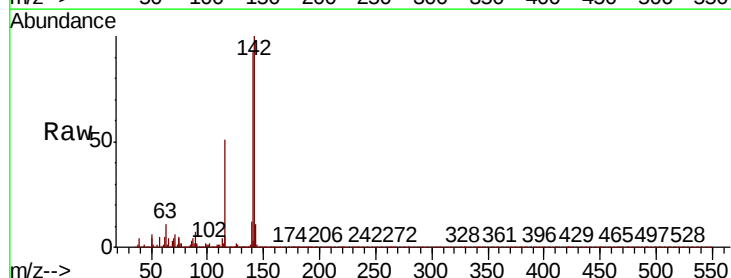


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#38
1-Methylnaphthalene
Concen: 8.627 ng
RT: 11.67 min Scan# 1629
Delta R.T. -0.01 min
Lab File: BP001223.D
Acq: 05 Dec 2019 20:57

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.0	72.7	109.1
116	5.4	3.8	5.6

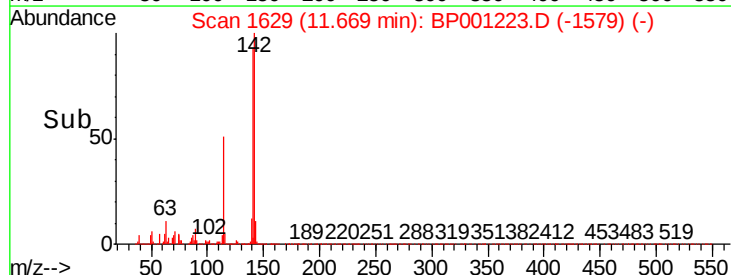
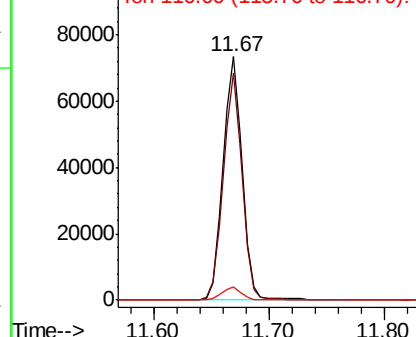


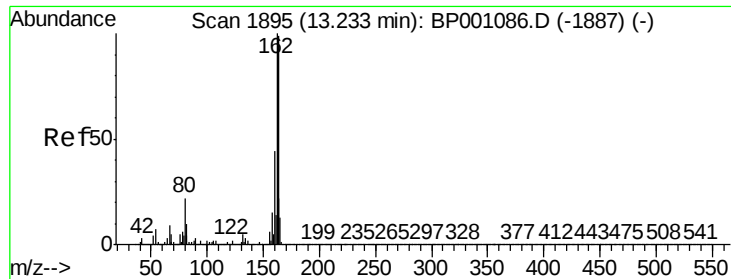
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





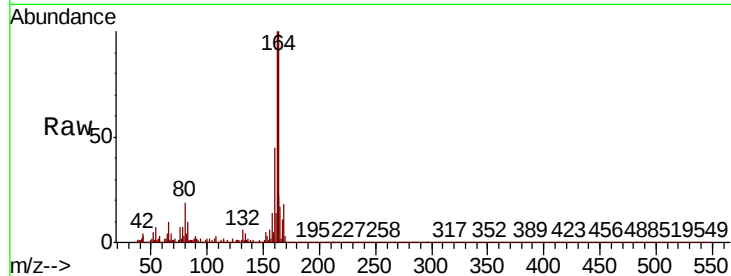
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 13.21 min Scan# 1891
Delta R.T. 0.00 min
Lab File: BP001223.D
Acq: 05 Dec 2019 20:57

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
164	100		
162	99.9	80.7	121.1
160	45.0	36.3	54.5

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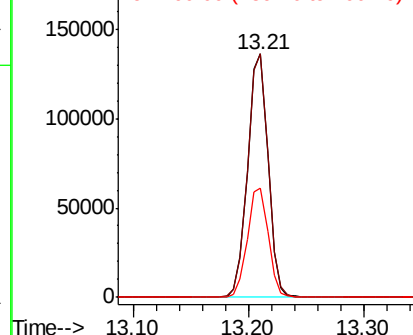


Abundance

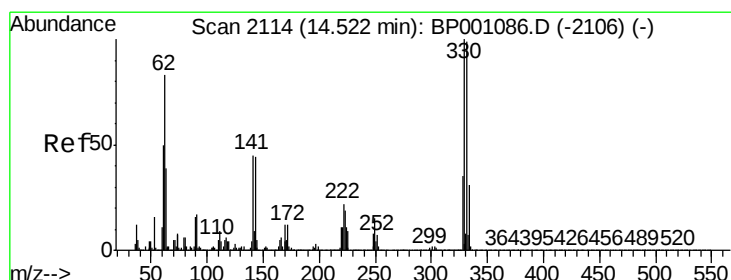
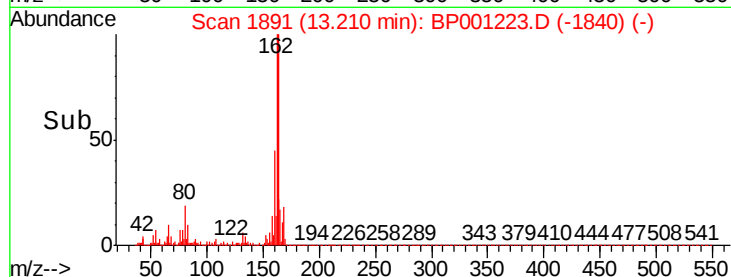
Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

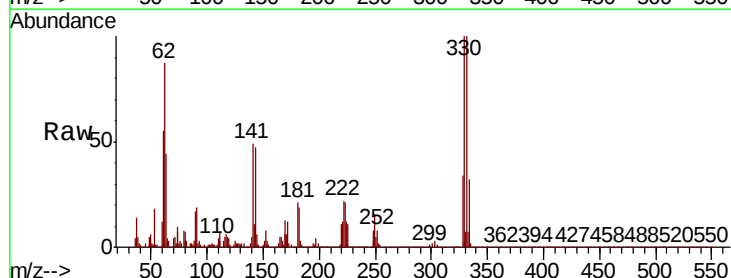


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#42
2,4,6-Tribromophenol
Concen: 103.762 ng
RT: 14.50 min Scan# 2110
Delta R.T. -0.01 min
Lab File: BP001223.D
Acq: 05 Dec 2019 20:57

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.7	79.1	118.7
141	46.7	35.9	53.9

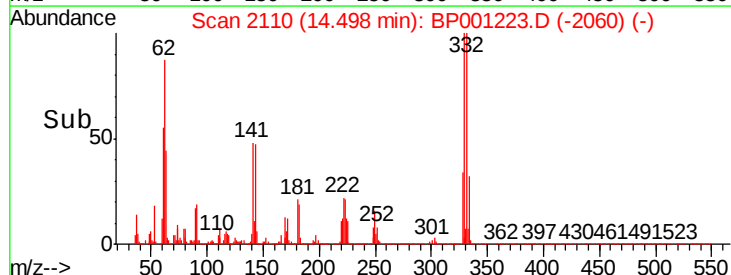
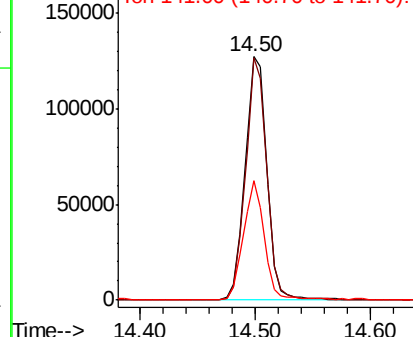


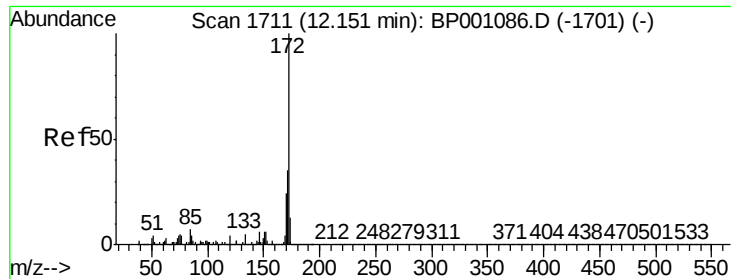
Abundance

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





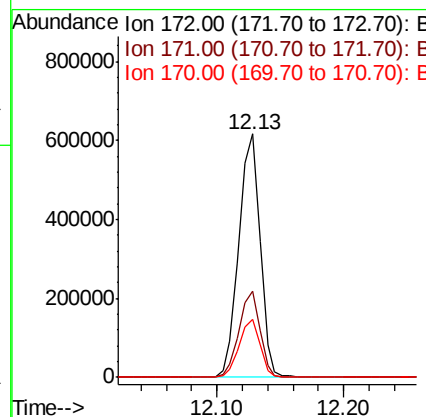
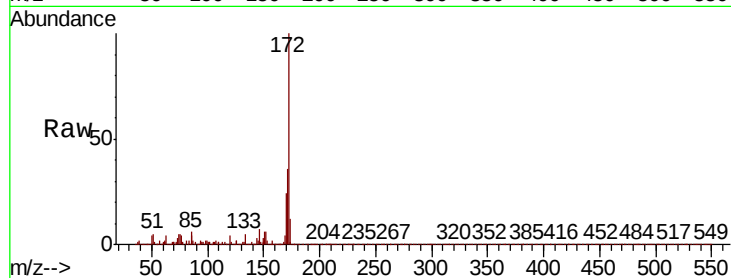
#45
2-Fluorobiphenyl
Concen: 62.125 ng
RT: 12.13 min Scan# 1707
Delta R.T. -0.01 min
Lab File: BP001223.D
Acq: 05 Dec 2019 20:57

Instrument :
BNA_P
ClientSampleId :
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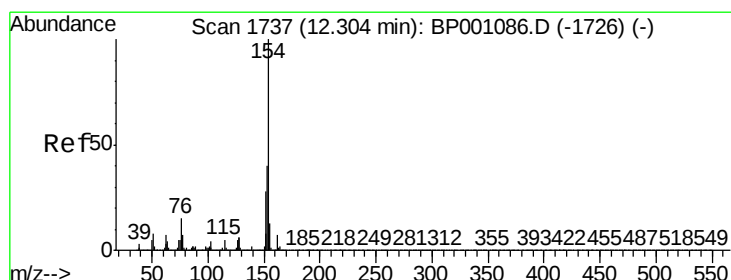
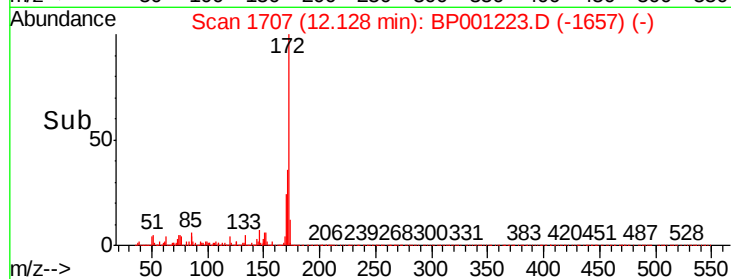
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.7	43.1
170	23.8	19.2	28.8

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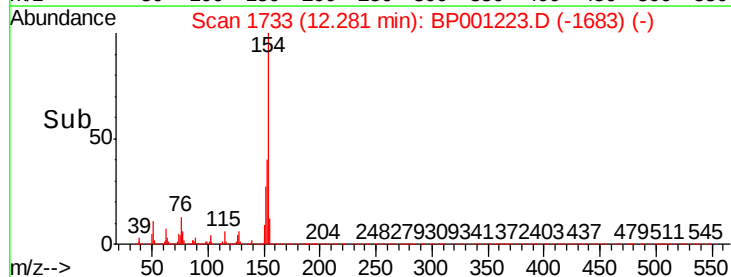
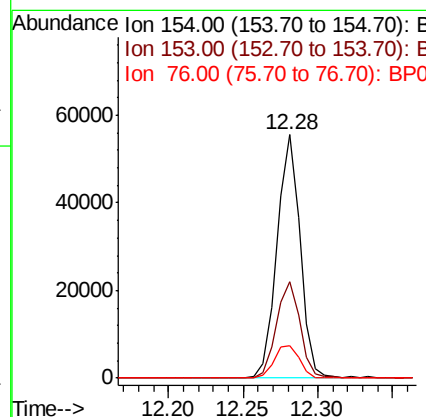
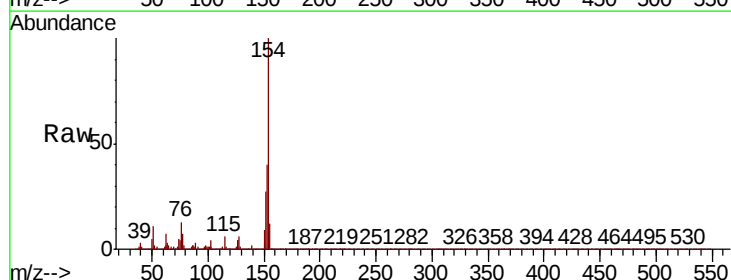


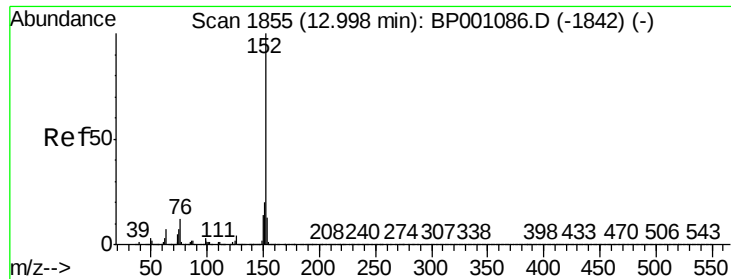
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#46
1,1'-Biphenyl
Concen: 4.613 ng
RT: 12.28 min Scan# 1733
Delta R.T. -0.01 min
Lab File: BP001223.D
Acq: 05 Dec 2019 20:57

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.8	19.3	59.3
76	13.3	0.0	34.2





#49

Acenaphthylene

Concen: 8.595 ng

RT: 12.98 min Scan# 1851

Delta R.T. -0.01 min

Lab File: BP001223.D

Acq: 05 Dec 2019 20:57

Instrument :

BNA_P

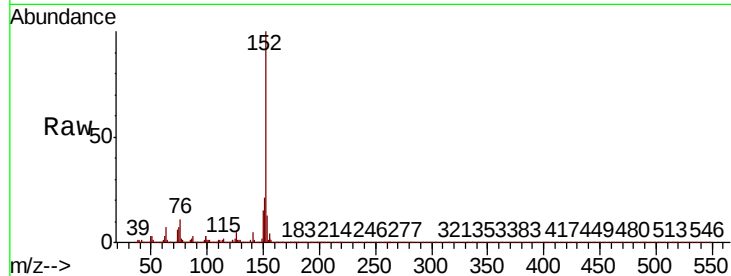
ClientSampleId :

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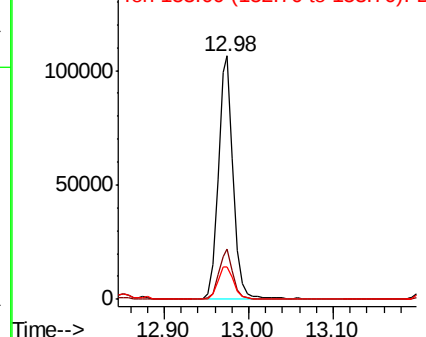
Tot Ion:	152	Resp:	133228
Ion Ratio	Lower	Upper	
152	100		
151	20.8	16.0	24.0
153	13.3	10.3	15.5

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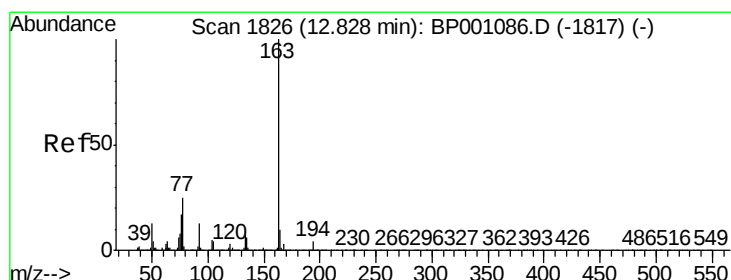
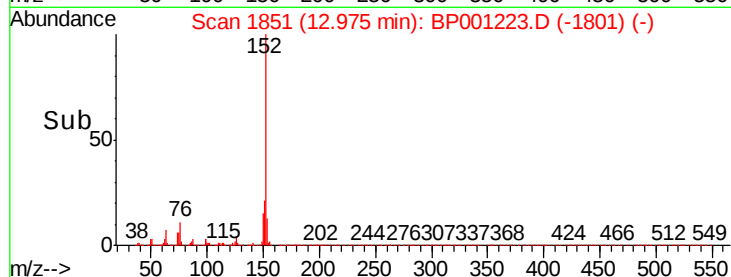
mohammad



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



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#50

Dimethylphthalate

Concen: 6.038 ng

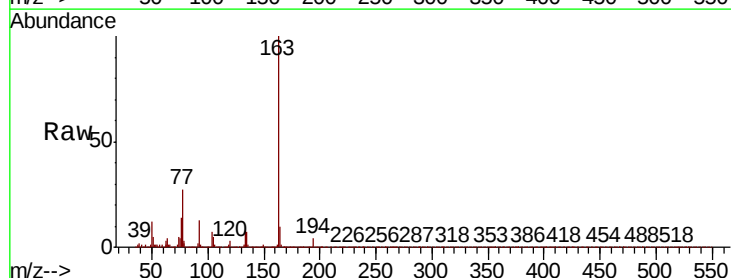
RT: 12.79 min Scan# 1820

Delta R.T. -0.02 min

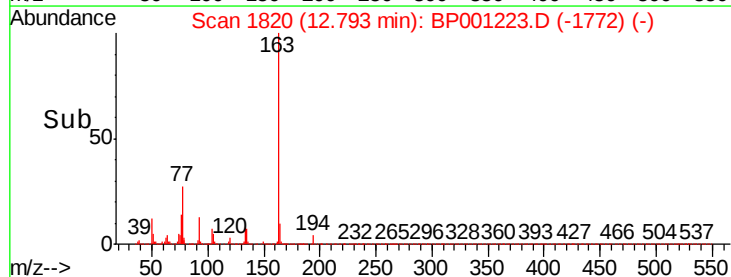
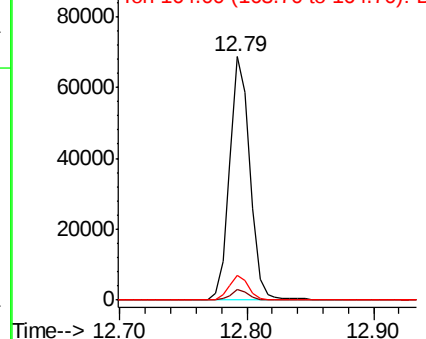
Lab File: BP001223.D

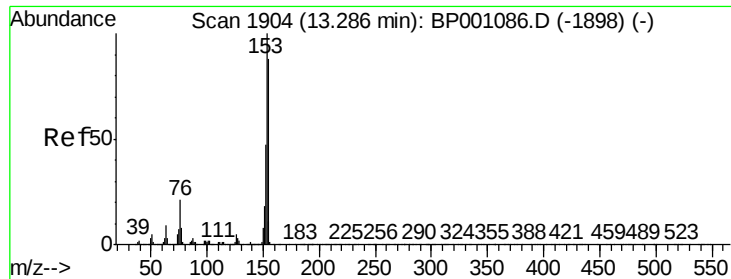
Acq: 05 Dec 2019 20:57

Tgt Ion:	163	Resp:	75643
Ion Ratio	Lower	Upper	
163	100		
194	4.4	3.1	4.7
164	10.2	8.2	12.4



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





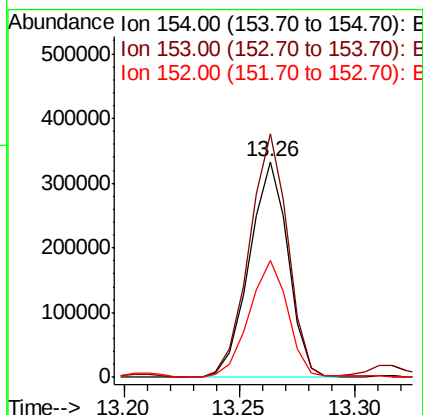
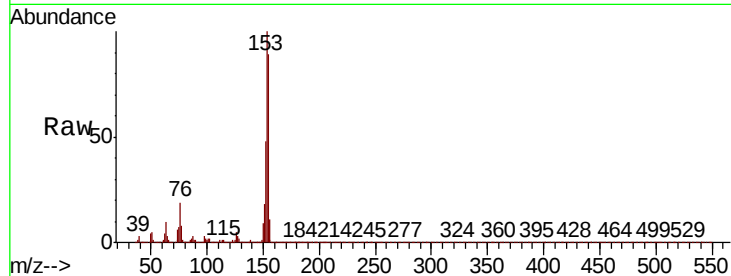
#52
Acenaphthene
Concen: 41.887 ng
RT: 13.26 min Scan# 1900
Delta R.T. -0.01 min
Lab File: BP001223.D
Acq: 05 Dec 2019 20:57

Instrument :
BNA_P
ClientSampled :
TH-3

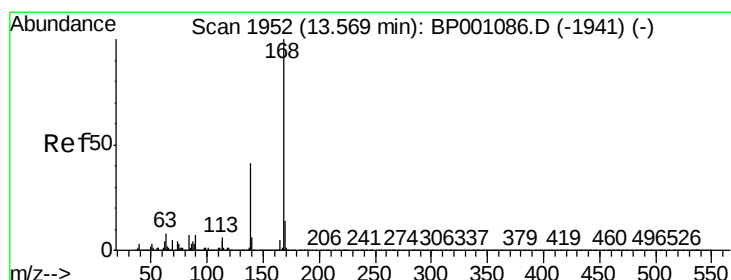
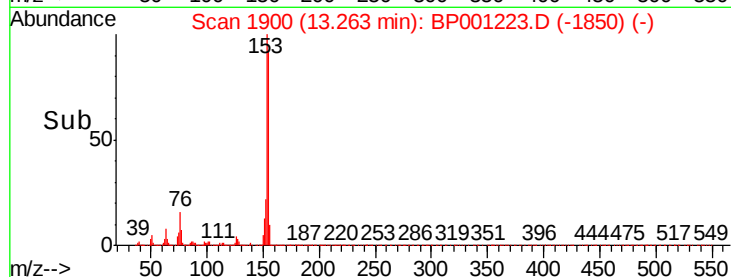
Tot Ion	Ratio	Lower	Upper
154	100		
153	112.7	90.3	135.5
152	53.9	42.9	64.3

Manual Integrations
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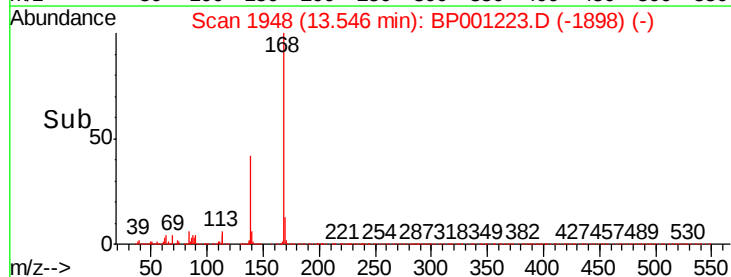
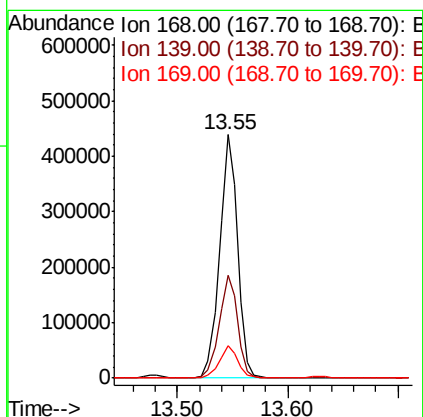
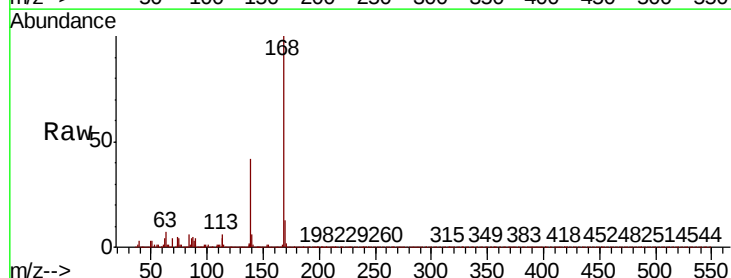


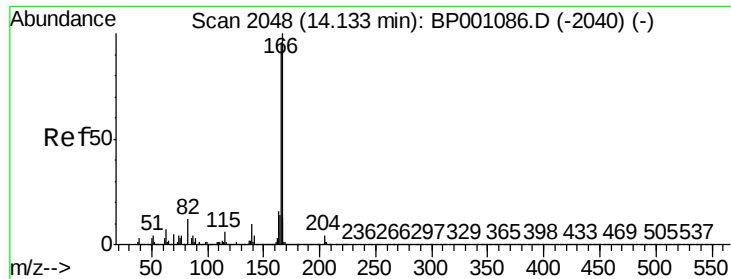
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#55
Dibenzofuran
Concen: 35.510 ng
RT: 13.55 min Scan# 1948
Delta R.T. -0.01 min
Lab File: BP001223.D
Acq: 05 Dec 2019 20:57

Tgt Ion	Ratio	Lower	Upper
168	100		
139	42.3	34.5	51.7
169	13.2	10.8	16.2





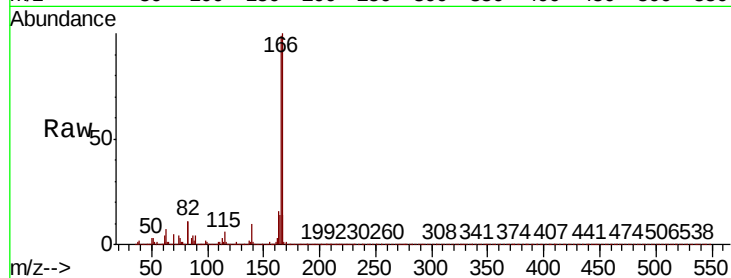
#58
 Fluorene
 Concen: 63.981 ng
 RT: 14.11 min Scan# 2044
 Delta R.T. -0.01 min
 Lab File: BP001223.D
 Acq: 05 Dec 2019 20:57

Instrument :
 BNA_P
 ClientSampleId :
 TH-3

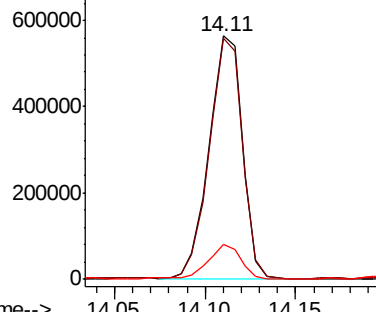
Tot Ion:	166	Resp:	718299
Ion Ratio	Lower	Upper	
166	100		
165	98.8	77.8	116.8
167	14.1	10.5	15.7

Manual Integrations
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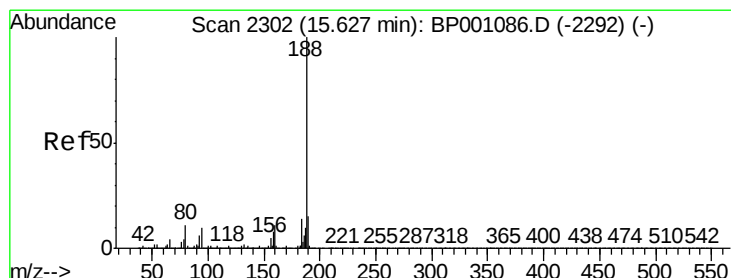
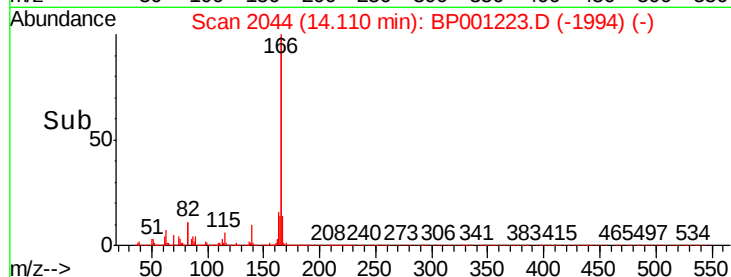
mohammad



Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

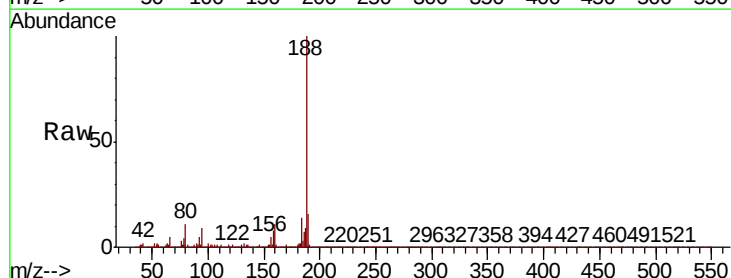


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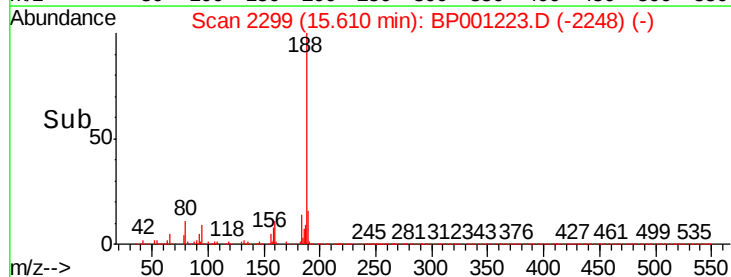
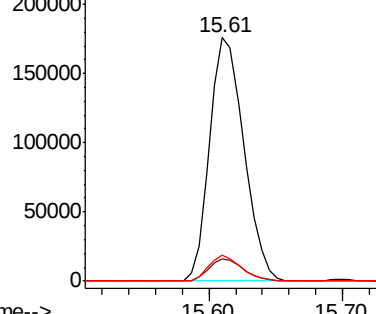


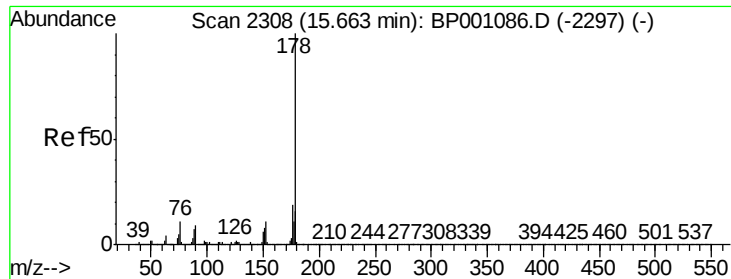
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 15.61 min Scan# 2299
 Delta R.T. 0.00 min
 Lab File: BP001223.D
 Acq: 05 Dec 2019 20:57

Tgt Ion:	188	Resp:	312067
Ion Ratio	Lower	Upper	
188	100		
94	8.9	7.1	10.7
80	10.6	7.8	11.6



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BP0
 Ion 80.00 (79.70 to 80.70): BP0





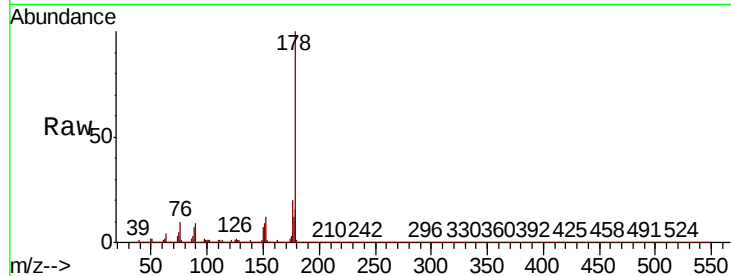
#71
Phenanthrene
Concen: 373.111 ng
RT: 15.67 min Scan# 2310
Delta R.T. 0.03 min
Lab File: BP001223.D
Acq: 05 Dec 2019 20:57

Instrument :
BNA_P
ClientSampleId :
TH-3

Tot Ion:178 Resp: 6121412
Ion Ratio Lower Upper
178 100
176 20.1 15.7 23.5
179 15.9 12.4 18.6

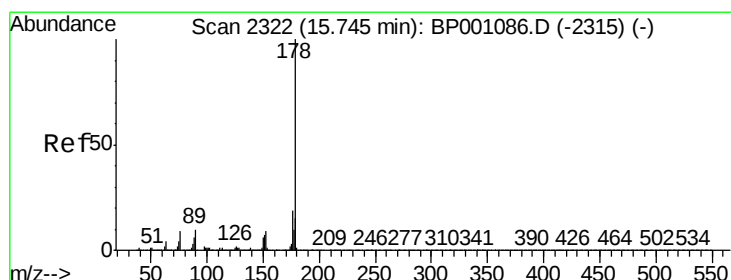
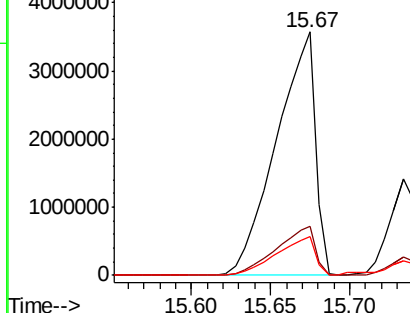
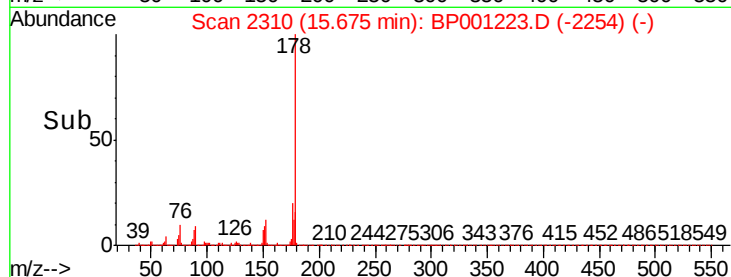
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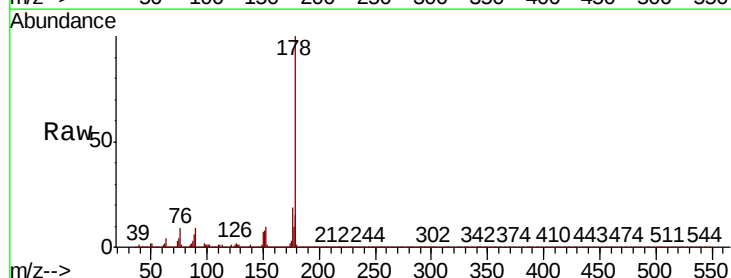
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

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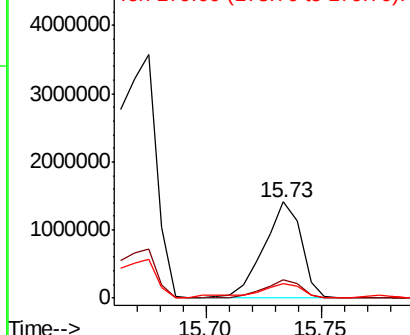
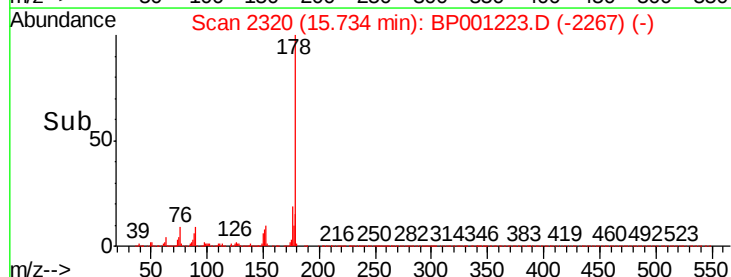


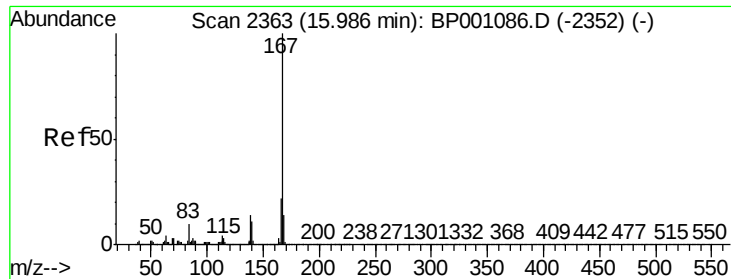
#72
Anthracene
Concen: 98.414 ng
RT: 15.73 min Scan# 2320
Delta R.T. 0.01 min
Lab File: BP001223.D
Acq: 05 Dec 2019 20:57

Tgt Ion:178 Resp: 1591440
Ion Ratio Lower Upper
178 100
176 19.1 15.1 22.7
179 15.5 12.7 19.1



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





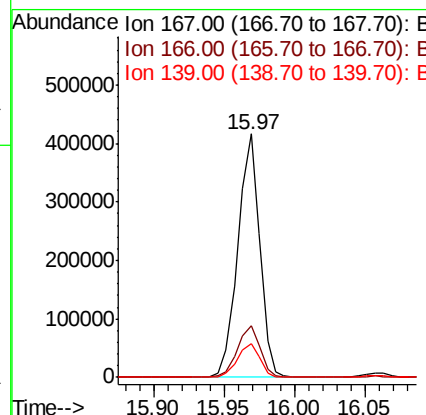
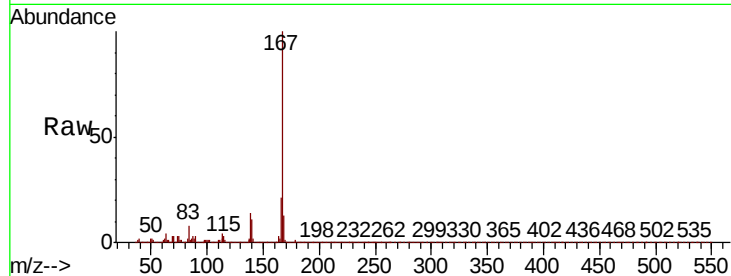
#73
 Carbazole
 Concen: 30.566 ng
 RT: 15.97 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: BP001223.D
 Acq: 05 Dec 2019 20:57

Instrument :
 BNA_P
 ClientSampled :
 TH-3

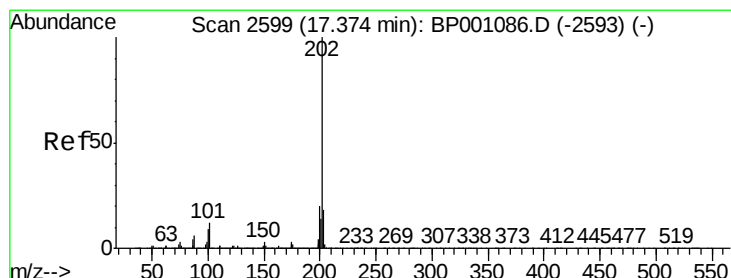
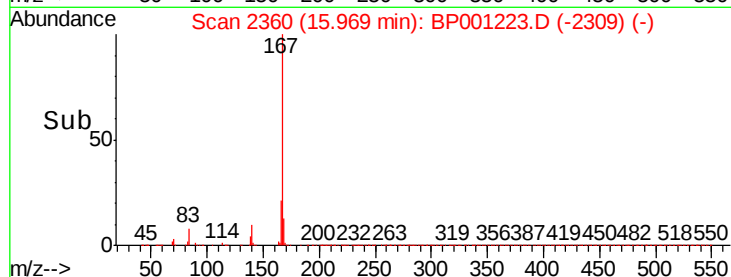
Tot Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.4	26.0
139	14.0	11.4	17.0

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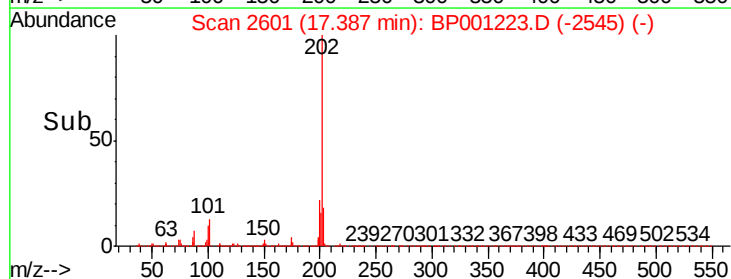
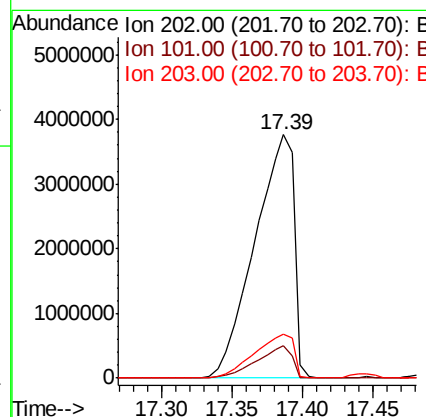
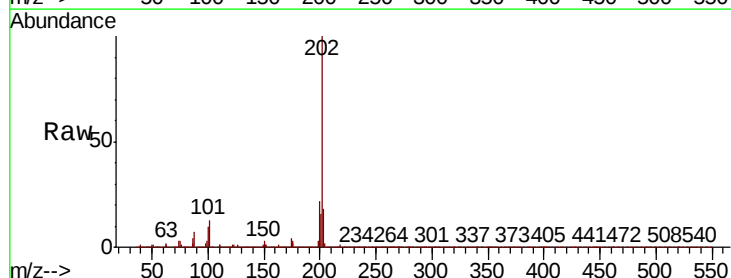


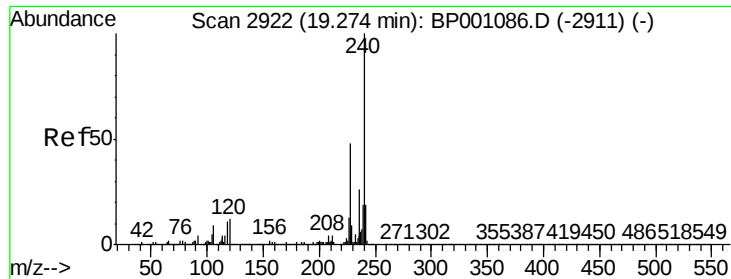
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#75
 Fluoranthene
 Concen: 423.039 ng
 RT: 17.39 min Scan# 2601
 Delta R.T. 0.03 min
 Lab File: BP001223.D
 Acq: 05 Dec 2019 20:57

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.3	0.0	30.0
203	18.3	0.0	37.1





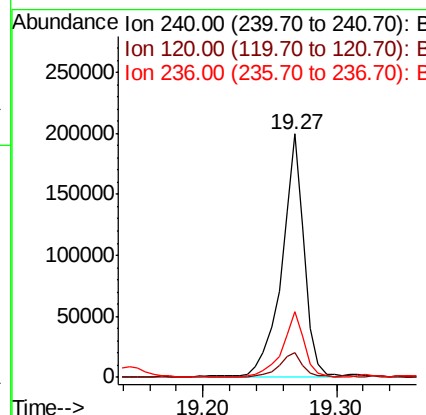
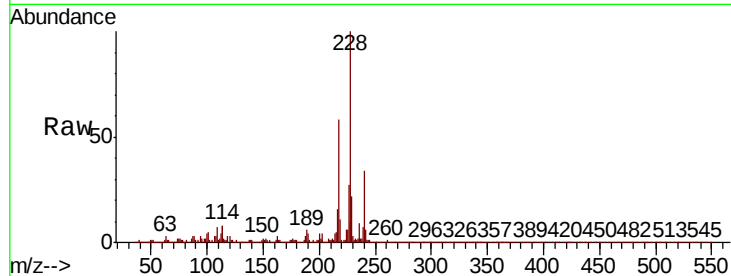
#76
Chrysene-d12
Concen: 20.000 ng
RT: 19.27 min Scan# 2921
Delta R.T. 0.01 min
Lab File: BP001223.D
Acq: 05 Dec 2019 20:57

Instrument :
BNA_P
ClientSampleId :
TH-3

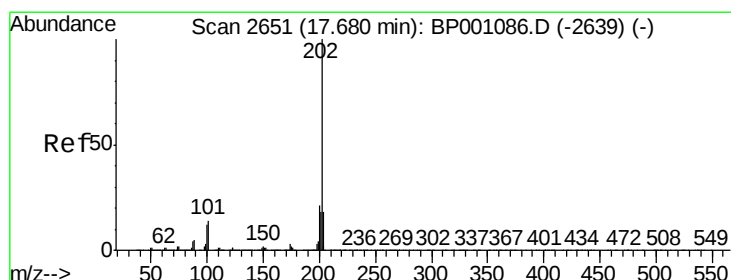
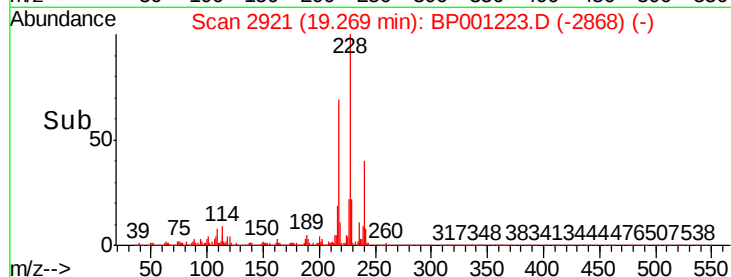
Tot Ion	Ratio	Lower	Upper
240	100		
120	10.3	7.0	10.6
236	26.8	21.7	32.5

Manual Integrations
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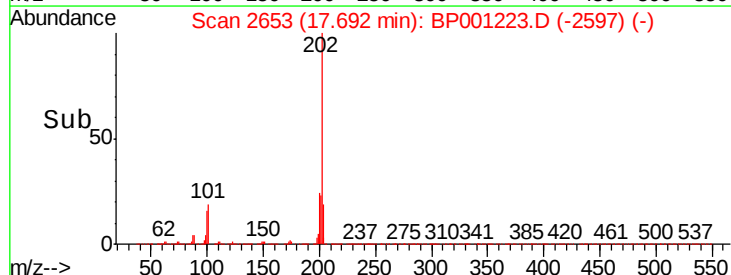
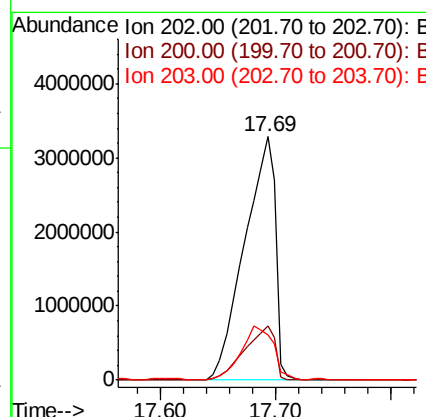
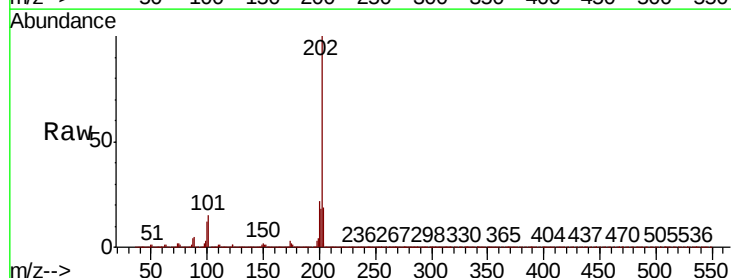


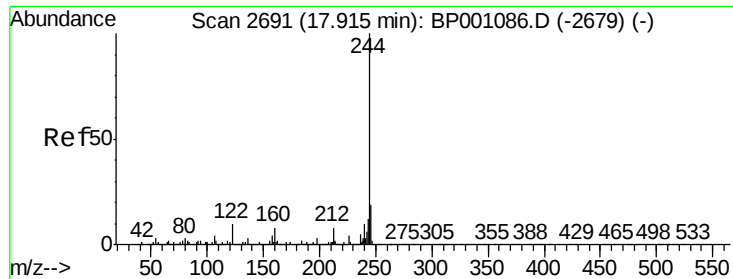
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#78
Pyrene
Concen: 331.077 ng
RT: 17.69 min Scan# 2653
Delta R.T. 0.03 min
Lab File: BP001223.D
Acq: 05 Dec 2019 20:57

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.4	17.3	25.9
203	18.5	13.8	20.8





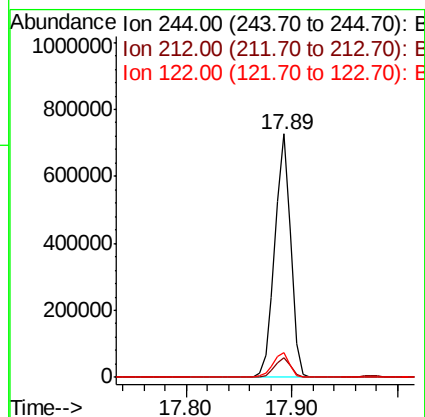
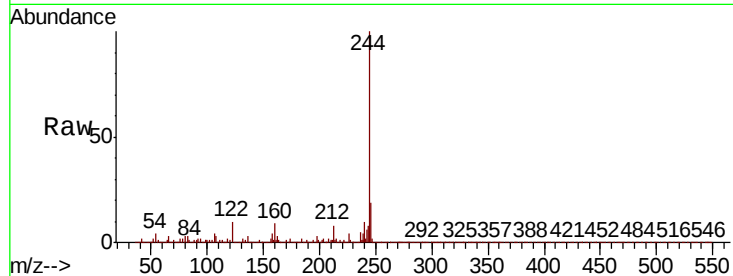
#79
 Terphenyl-d14
 Concen: 59.419 ng
 RT: 17.89 min Scan# 2687
 Delta R.T. 0.00 min
 Lab File: BP001223.D
 Acq: 05 Dec 2019 20:57

Instrument :
 BNA_P
 ClientSampled :
 TH-3

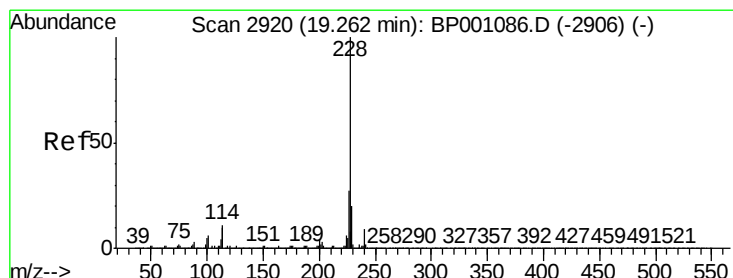
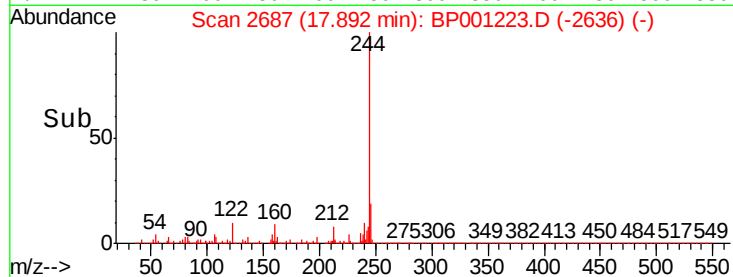
Tot Ion:	244	Resp:	748996
Ion Ratio		Lower	Upper
244	100		
212	8.1	6.6	9.8
122	10.0	9.2	13.8

Manual Integrations
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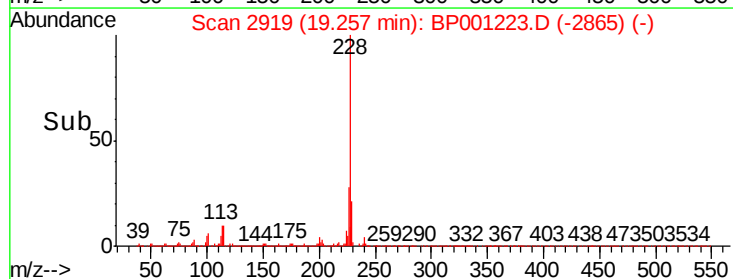
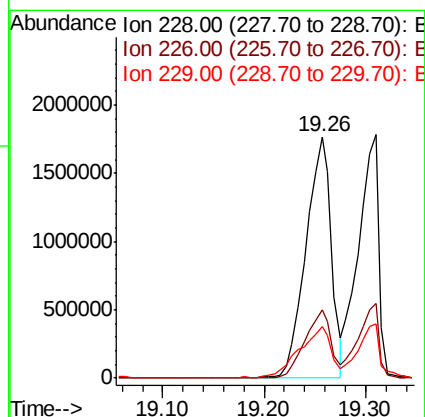
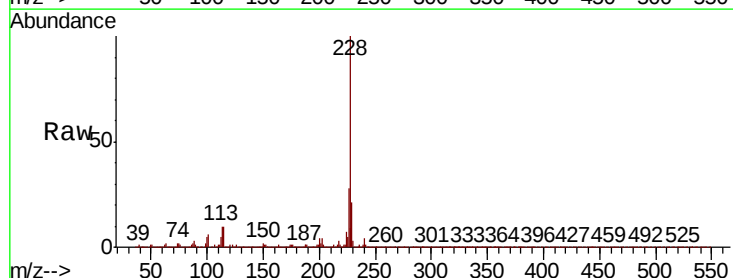


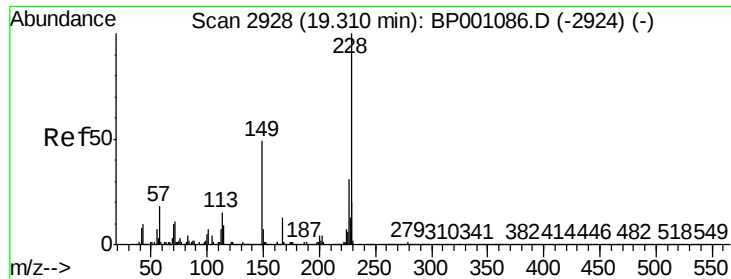
12/6/2019 3:03:29 PM



#81
 Benzo(a)anthracene
 Concen: 189.067 ng
 RT: 19.26 min Scan# 2919
 Delta R.T. 0.02 min
 Lab File: BP001223.D
 Acq: 05 Dec 2019 20:57

Tgt Ion:	228	Resp:	3057112
Ion Ratio		Lower	Upper
228	100		
226	28.3	21.7	32.5
229	21.1	15.8	23.6





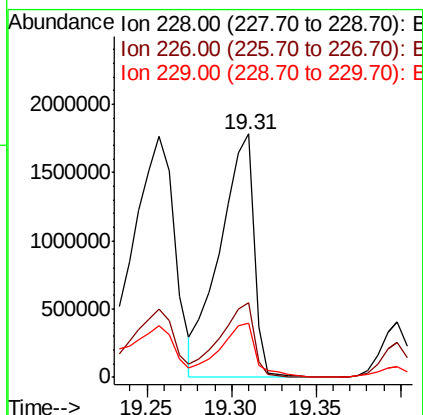
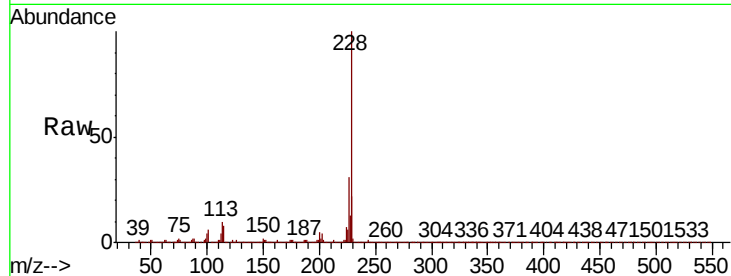
#83
Chrysene
Concen: 172.287 ng
RT: 19.31 min Scan# 2928
Delta R.T. 0.02 min
Lab File: BP001223.D
Acq: 05 Dec 2019 20:57

Instrument :
BNA_P
ClientSampled :
TH-3

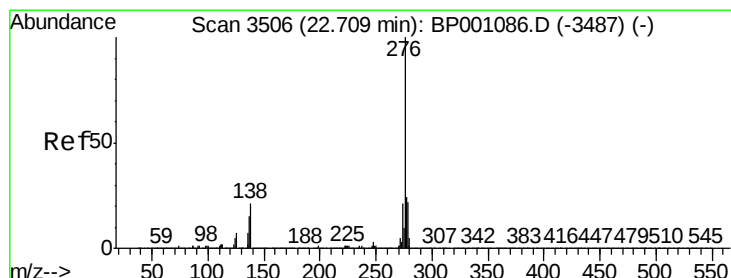
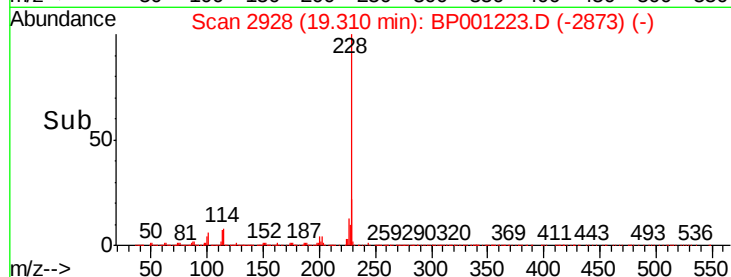
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.7	35.5
229	22.1	15.2	22.8

Manual Integrations
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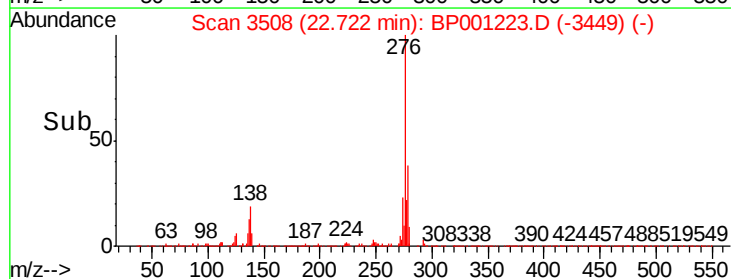
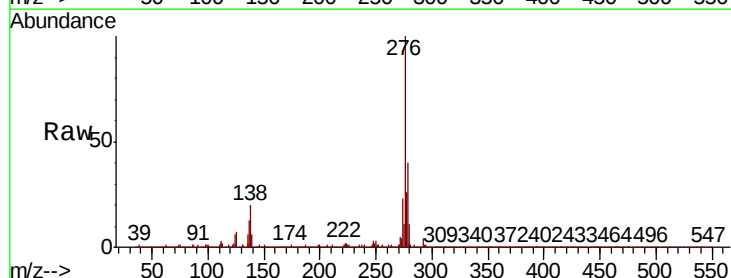
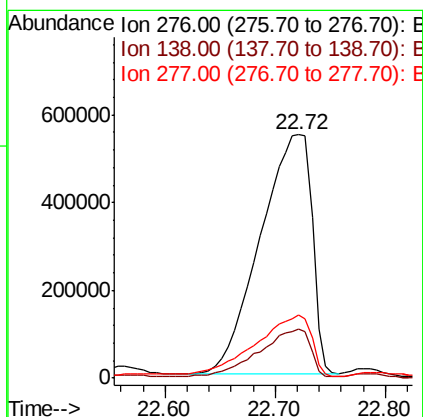


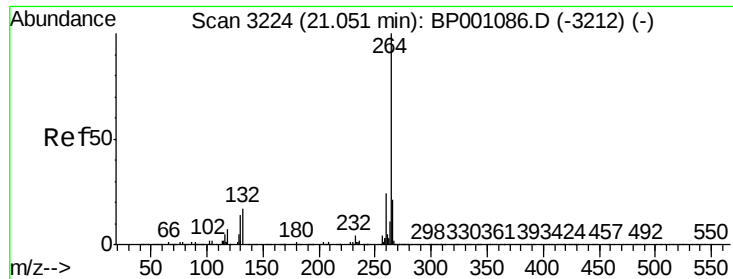
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#86
Indeno(1,2,3-cd)pyrene
Concen: 104.112 ng
RT: 22.72 min Scan# 3508
Delta R.T. 0.05 min
Lab File: BP001223.D
Acq: 05 Dec 2019 20:57

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.0	17.9	26.9
277	27.7	20.1	30.1





#87

Pervlene-d12

Concen: 20.000 ng

RT: 21.05 min Scan# 3223

Delta R.T. 0.02 min

Lab File: BP001223.D

Acq: 05 Dec 2019 20:57

Instrument :

BNA_P

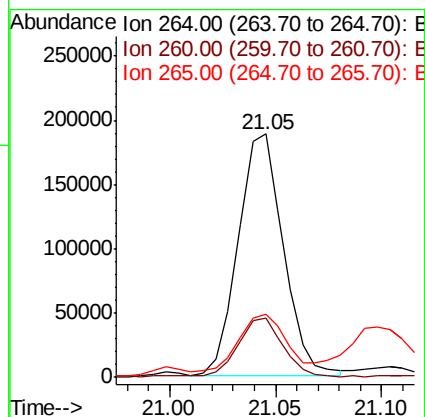
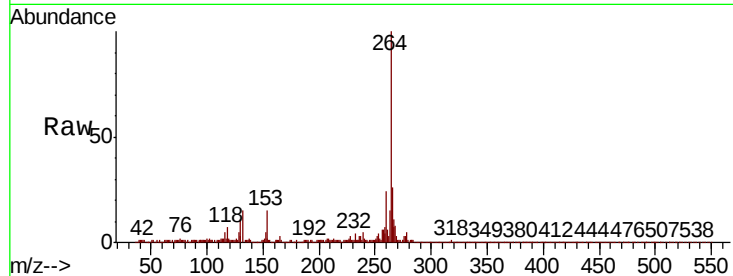
ClientSampleId :

TH-3

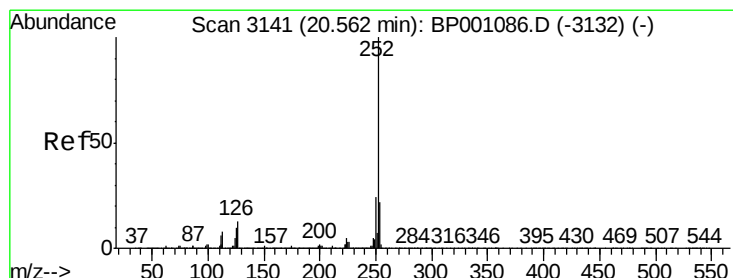
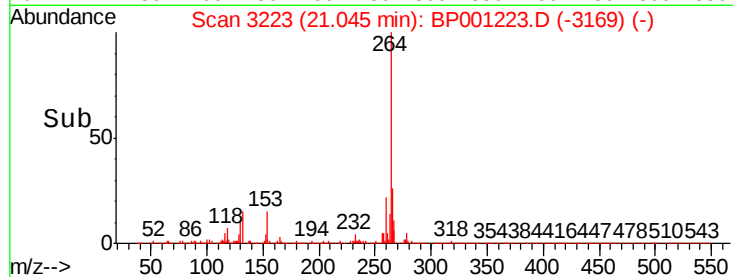
Tot Ion:	264	Resp:	276970
Ion Ratio		Lower	Upper
264	100		
260	24.4	19.4	29.0
265	26.2	17.1	25.7

Manual Integrations
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#88

Benzo(b)fluoranthene

Concen: 213.434 ng m

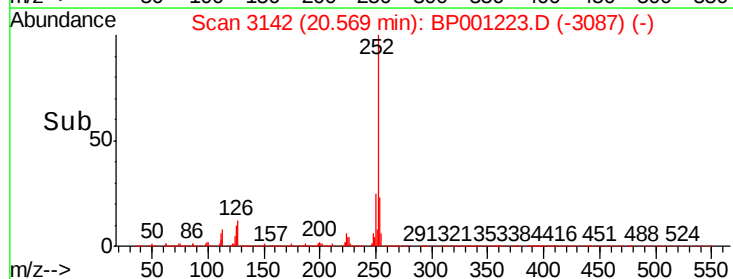
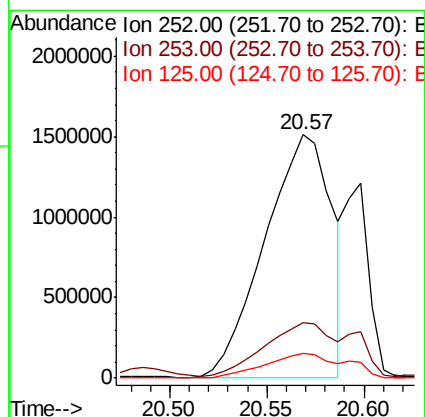
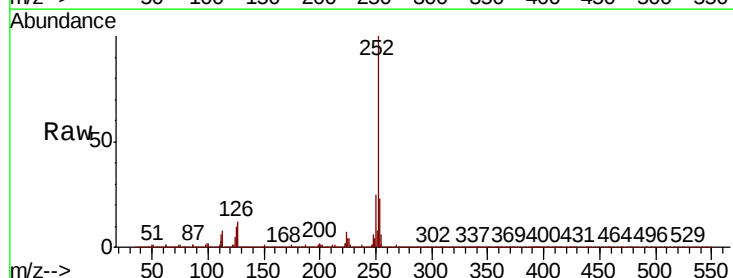
RT: 20.57 min Scan# 3142

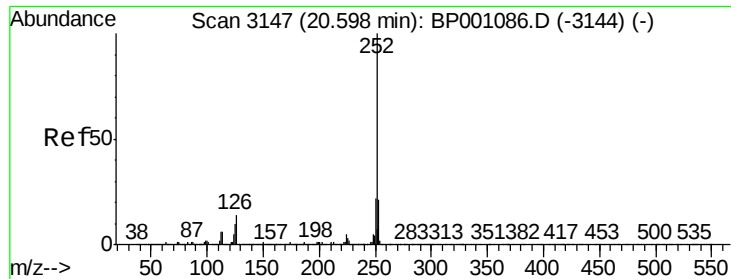
Delta R.T. 0.02 min

Lab File: BP001223.D

Acq: 05 Dec 2019 20:57

Tgt Ion:	252	Resp:	3610727
Ion Ratio		Lower	Upper
252	100		
253	23.0	17.0	25.6
125	10.3	6.6	9.8





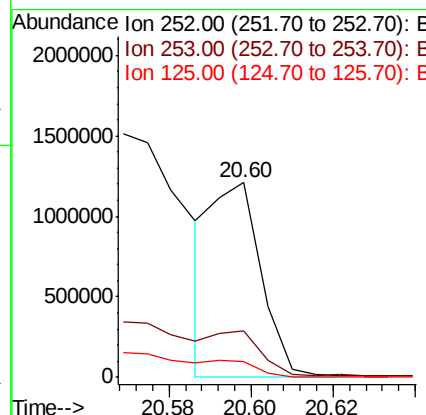
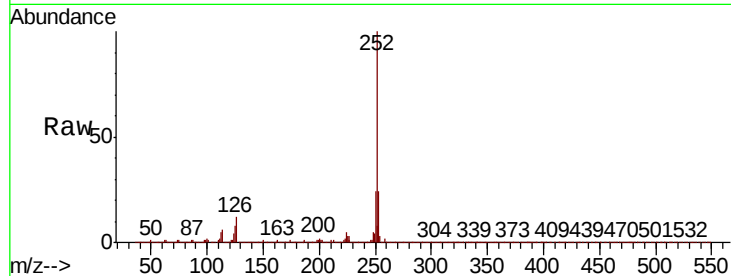
#89
Benzo(k)fluoranthene
Concen: 61.557 ng m
RT: 20.60 min Scan# 3147
Delta R.T. 0.02 min
Lab File: BP001223.D
Acq: 05 Dec 2019 20:57

Instrument :
BNA_P
ClientSampleId :
TH-3

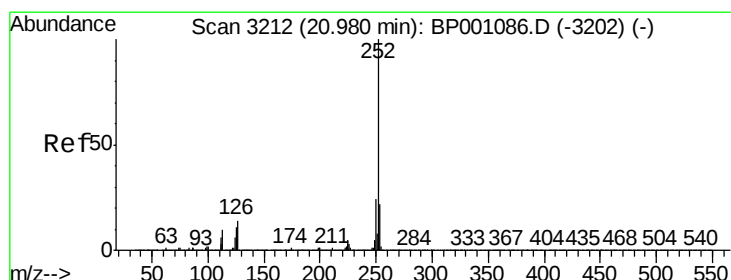
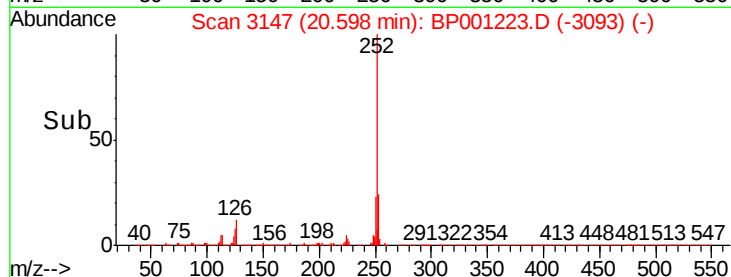
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.2	25.8
125	8.1	6.2	9.4

Manual Integrations
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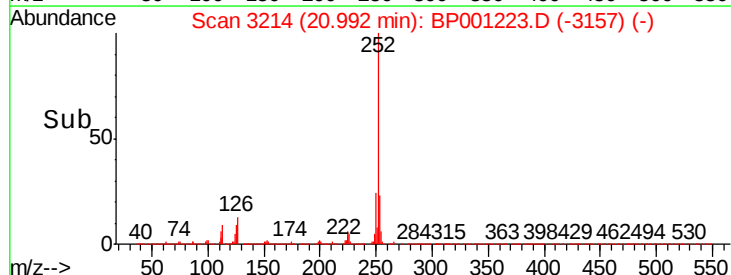
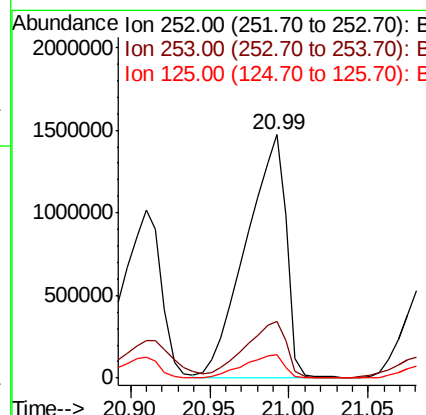
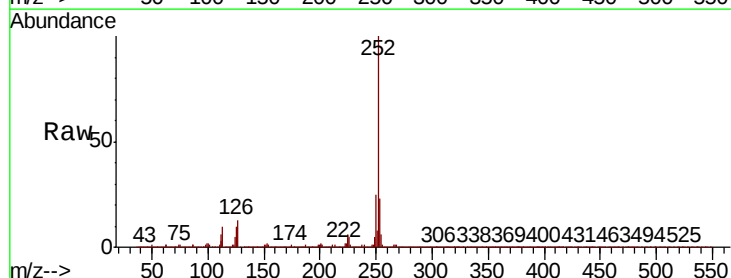


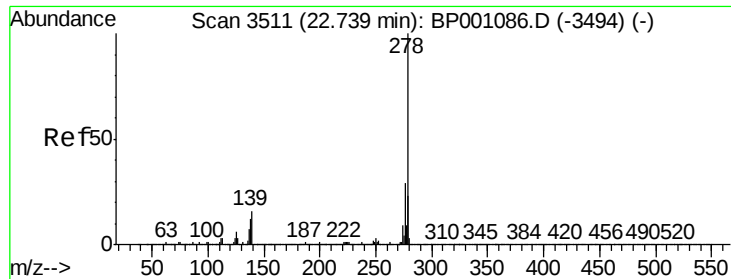
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#90
Benzo(a)pyrene
Concen: 166.470 ng
RT: 20.99 min Scan# 3214
Delta R.T. 0.04 min
Lab File: BP001223.D
Acq: 05 Dec 2019 20:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	16.8	25.2
125	9.7	7.8	11.6





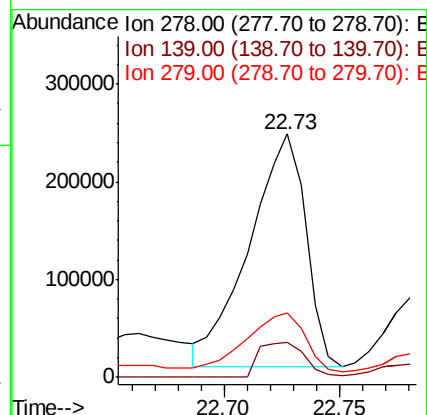
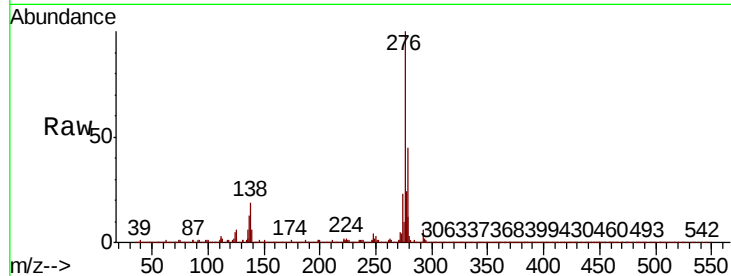
#91
Dibenzo(a,h)anthracene
Concen: 26.632 ng
RT: 22.73 min Scan# 3509
Delta R.T. 0.02 min
Lab File: BP001223.D
Acq: 05 Dec 2019 20:57

Instrument :
BNA_P
ClientSampleId :
TH-3

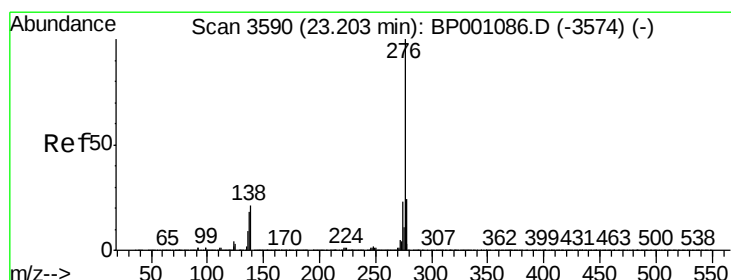
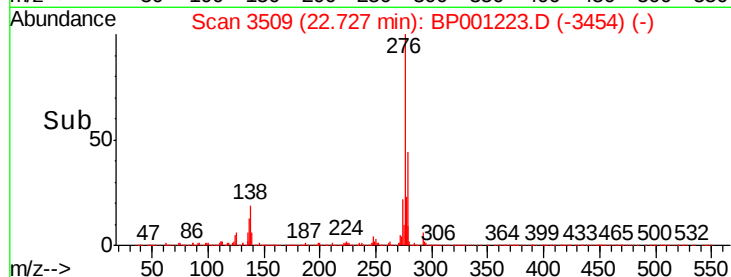
Tot Ion	Ratio	Lower	Upper
278	100		
139	14.4	11.6	17.4
279	26.3	18.7	28.1

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 117.673 ng
RT: 23.22 min Scan# 3592
Delta R.T. 0.05 min
Lab File: BP001223.D
Acq: 05 Dec 2019 20:57

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.6	28.0
138	19.1	15.6	23.4

