

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
 Data File : BP000866.D
 Acq On : 18 Oct 2019 03:53
 Operator : JU
 Sample : K5355-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 72-12017

Quant Time: Oct 18 07:50:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP100119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 01 18:03:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	193244	20.00	ng	-0.02
21) Naphthalene-d8	8.03	136	674920	20.00	ng	-0.02
39) Acenaphthene-d10	9.80	164	353115	20.00	ng	-0.02
64) Phenanthrene-d10	11.29	188	622304	20.00	ng	-0.02
76) Chrysene-d12	13.97	240	530653	20.00	ng	-0.01
87) Perylene-d12	15.46	264	577578	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	935729	77.84	ng	-0.02
7) Phenol-d6	6.39	99	1175168	81.12	ng	-0.02
23) Nitrobenzene-d5	7.31	82	652353	59.03	ng	-0.02
42) 2,4,6-Tribromophenol	10.59	330	306301	81.40	ng	-0.02
45) 2-Fluorobiphenyl	9.12	172	1288637	59.05	ng	-0.02
79) Terphenyl-d14	12.90	244	1389780	53.03	ng	-0.01

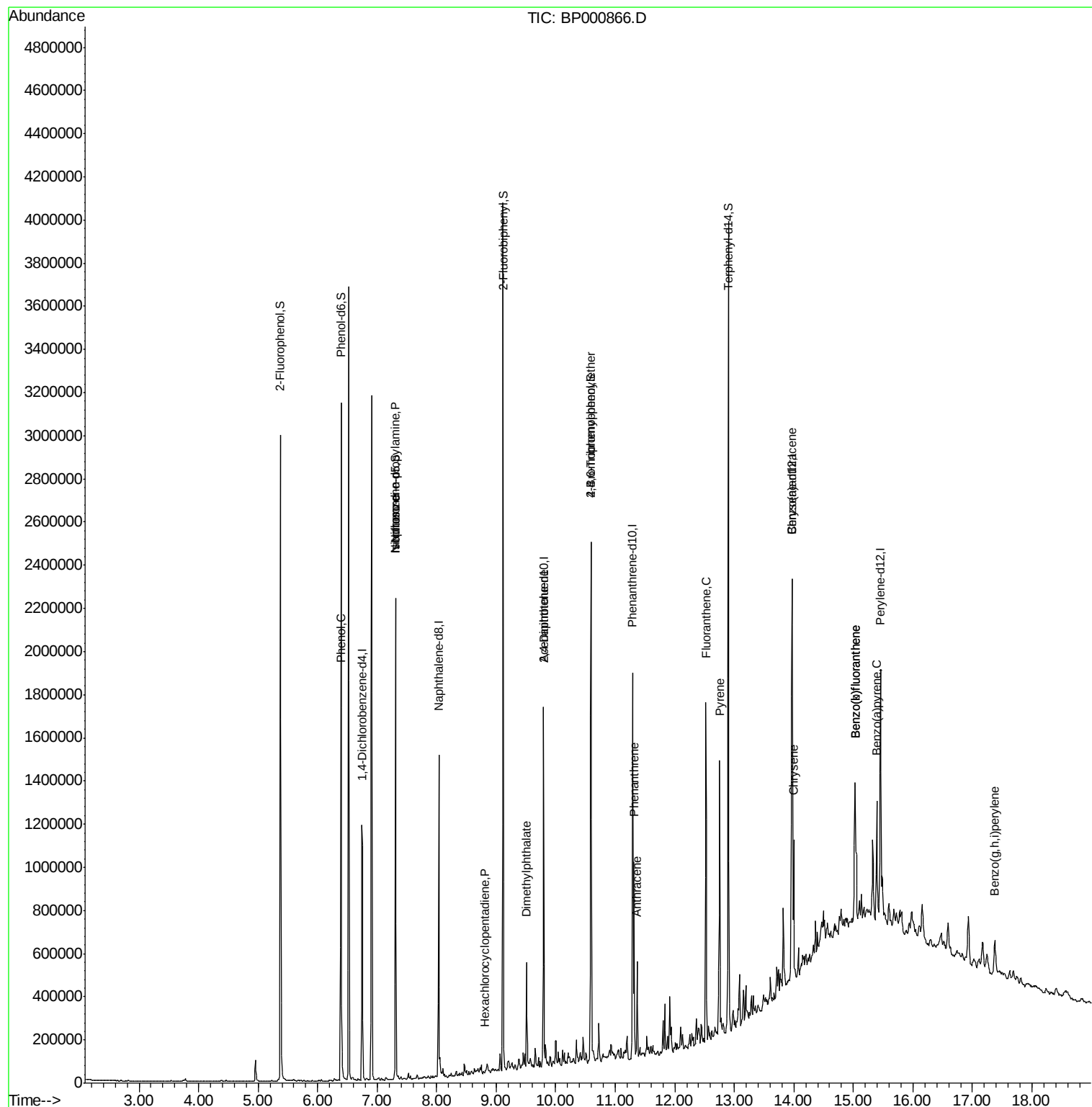
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.40	94	43837	2.955	ng	98
19) n-Nitroso-di-n-propylamine	7.31	70	81708	12.236	ng	# 74
25) Isophorone	7.31	82	650446	33.165	ng	# 61
41) Hexachlorocyclopentadiene	8.80	237	10	7.299	ng	83
50) Dimethylphthalate	9.51	163	181885	7.413	ng	100
57) 2,4-Dinitrotoluene	9.80	165	47335	6.672	ng	# 32
67) 4-Bromophenyl-phenylether	10.59	248	21220	3.029	ng	# 1
71) Phenanthrene	11.32	178	319315	10.217	ng	99
72) Anthracene	11.37	178	137034	4.422	ng	99
75) Fluoranthene	12.52	202	587957	16.750	ng	100
78) Pyrene	12.75	202	548410	14.984	ng	100
81) Benzo(a)anthracene	13.96	228	294970	9.110	ng	95
83) Chrysene	14.00	228	273331	8.601	ng	97
88) Benzo(b)fluoranthene	15.03	252	462004	14.099	ng	96
89) Benzo(k)fluoranthene	15.03	252	462004	14.810	ng	# 98
90) Benzo(a)pyrene	15.39	252	245800	8.047	ng	94
92) Benzo(a,h,i)perylene	17.37	276	129771	4.311	ng	97

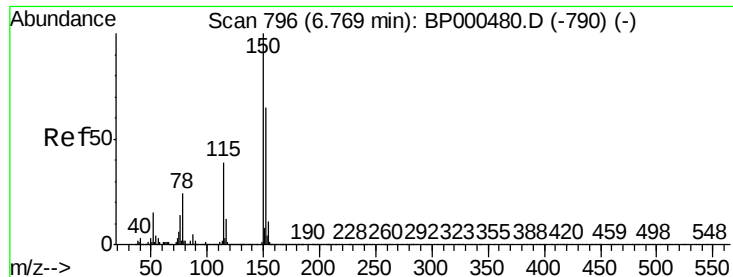
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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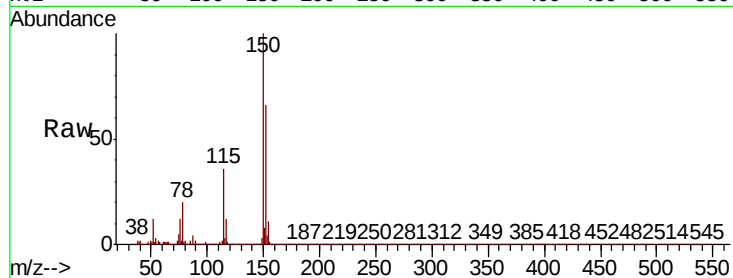


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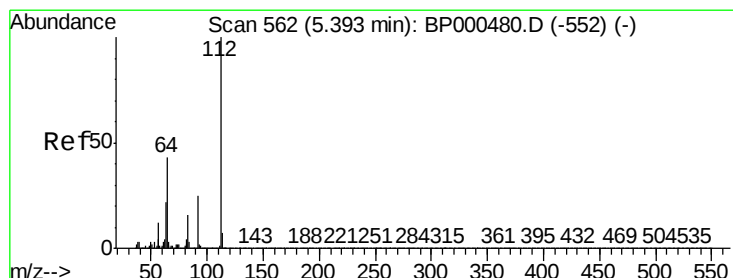
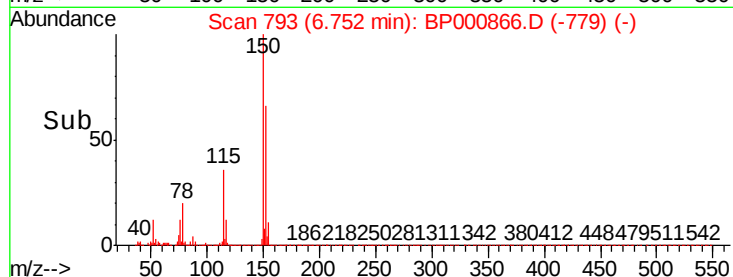
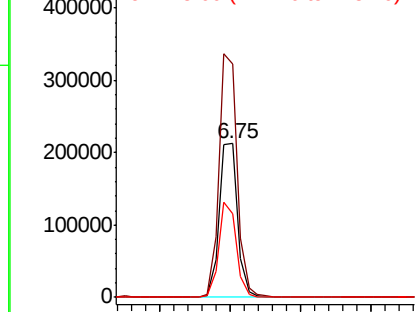
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 793
Delta R.T. -0.02 min
Lab File: BP000866.D
Acq: 18 Oct 2019 03:53

Instrument :
BNA_P
ClientSampleId :
72-12017

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.1	124.1	186.1
115	54.9	48.7	73.1



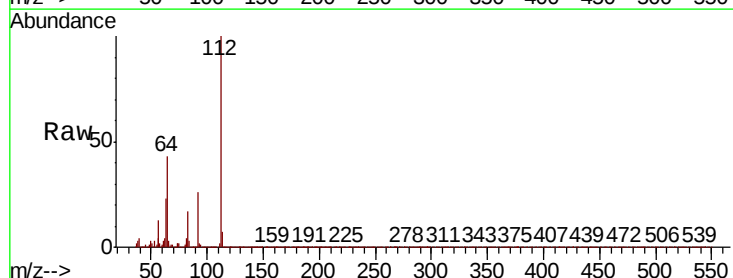
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



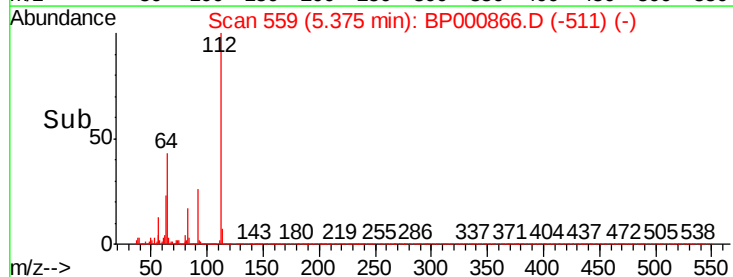
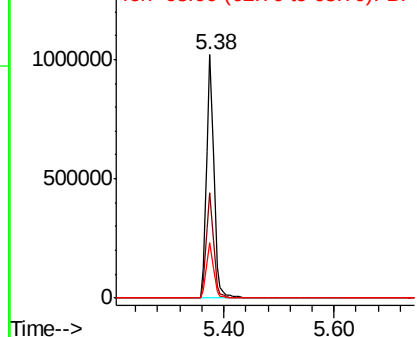
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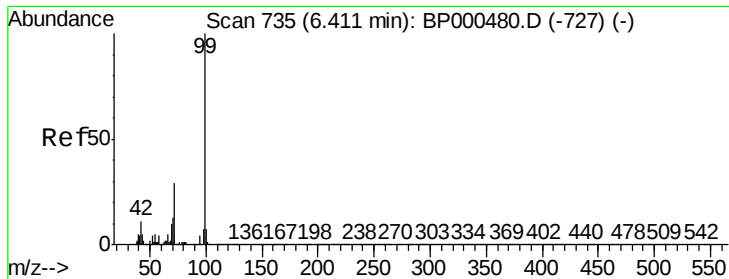
2-Fluorophenol
Concen: 77.836 ng
RT: 5.38 min Scan# 559
Delta R.T. -0.02 min
Lab File: BP000866.D
Acq: 18 Oct 2019 03:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	43.3	34.2	51.4
63	22.6	17.9	26.9



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: 81.120 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.02 min

Lab File: BP000866.D

Acq: 18 Oct 2019 03:53

Instrument :

BNA_P

ClientSampleId :

72-12017

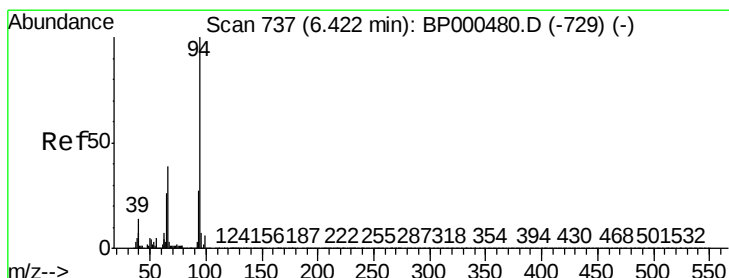
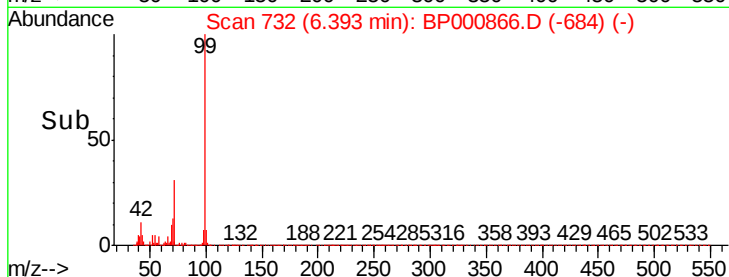
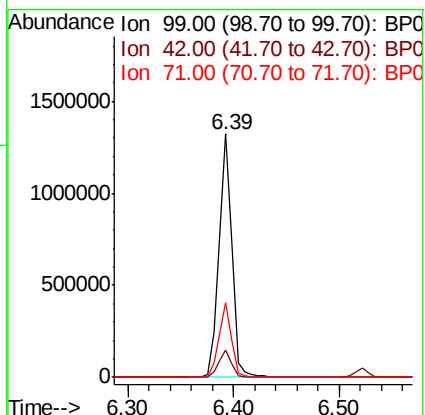
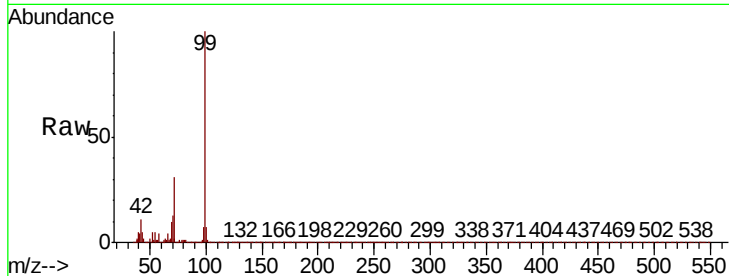
Tot Ion: 99 Resp: 1175168

Ion Ratio Lower Upper

99 100

42 11.2 8.6 12.8

71 30.9 23.0 34.4



#10

Phenol

Concen: 2.955 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.02 min

Lab File: BP000866.D

Acq: 18 Oct 2019 03:53

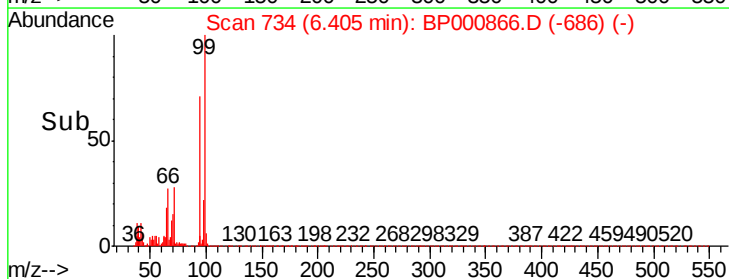
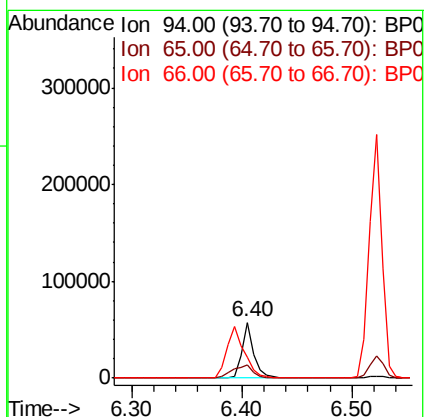
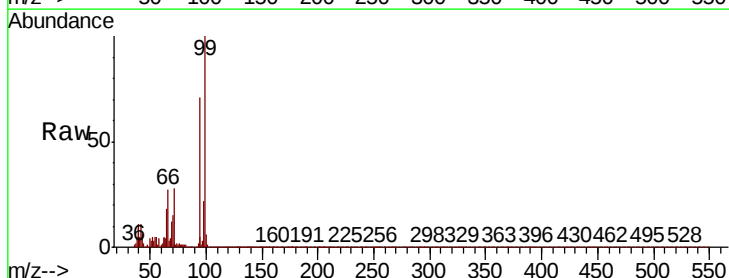
Tgt Ion: 94 Resp: 43837

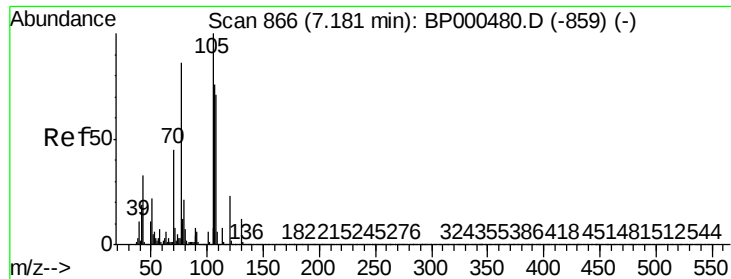
Ion Ratio Lower Upper

94 100

65 24.7 5.9 45.9

66 37.6 18.8 58.8

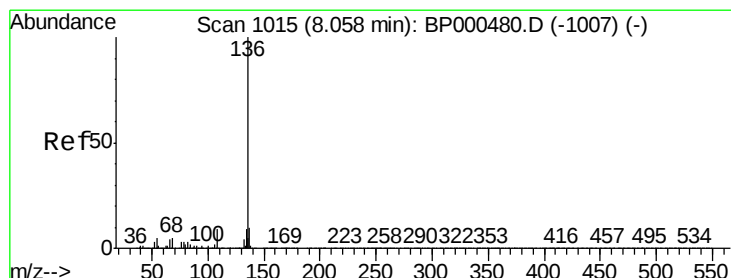
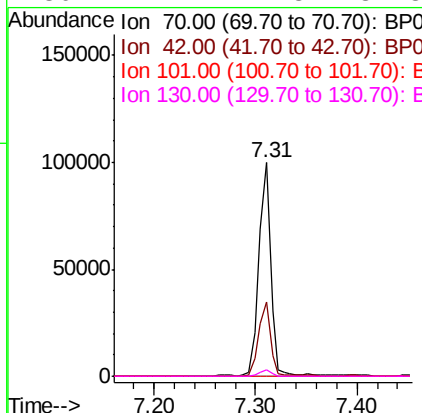
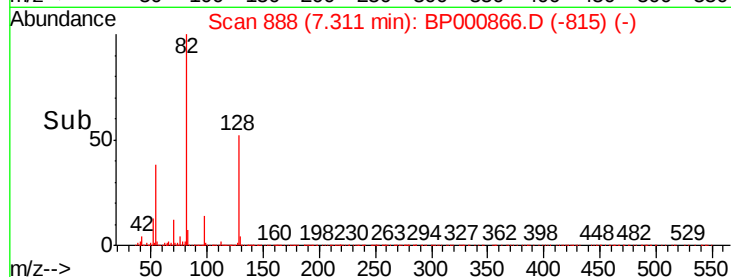
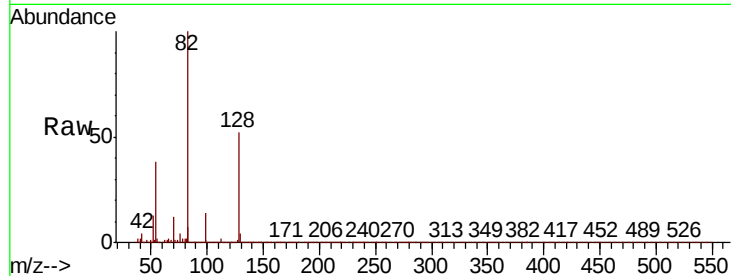




#19
n-Nitroso-di-n-propylamine
Concen: 12.236 ng
RT: 7.31 min Scan# 888
Delta R.T. 0.13 min
Lab File: BP000866.D
Acq: 18 Oct 2019 03:53

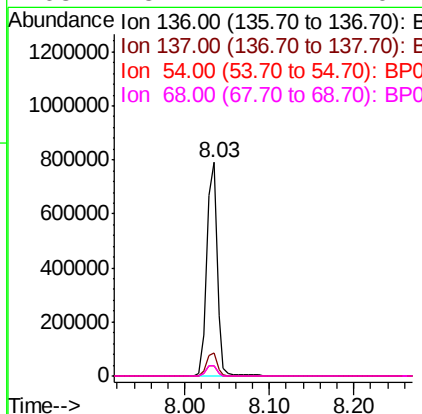
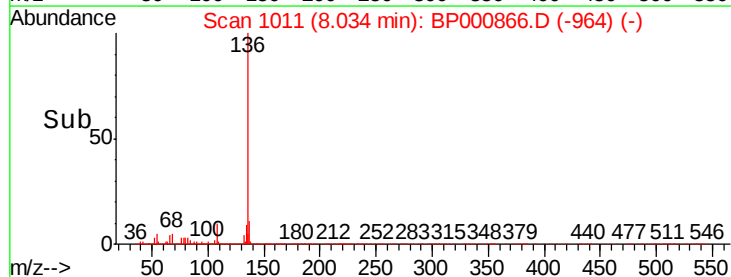
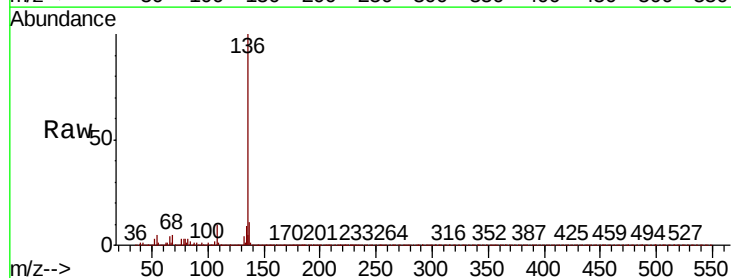
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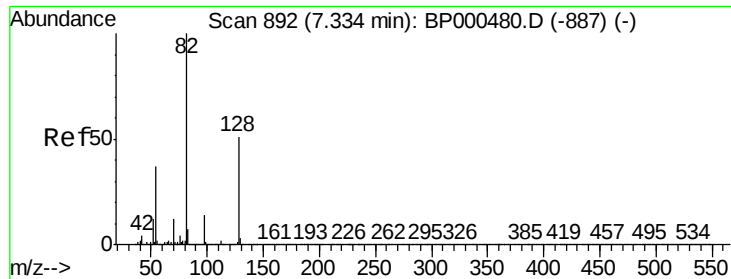
Tot Ion:	70	Resp:	81708
Ion	Ratio	Lower	Upper
70	100		
42	34.7	33.2	49.8
101	0.0	9.9	14.9#
130	2.7	21.8	32.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.02 min
Lab File: BP000866.D
Acq: 18 Oct 2019 03:53

Tgt Ion:	136	Resp:	674920
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.2	12.4
54	4.9	4.1	6.1
68	5.1	4.1	6.1

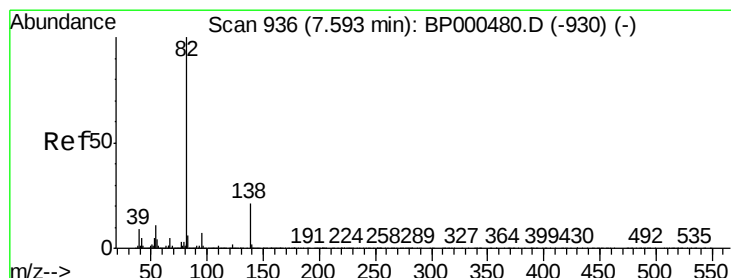
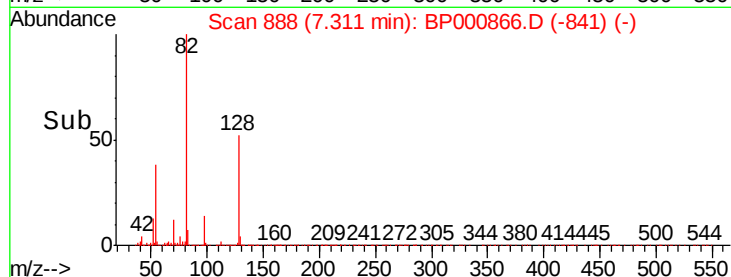
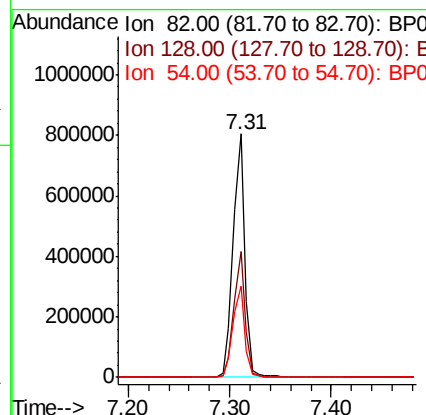
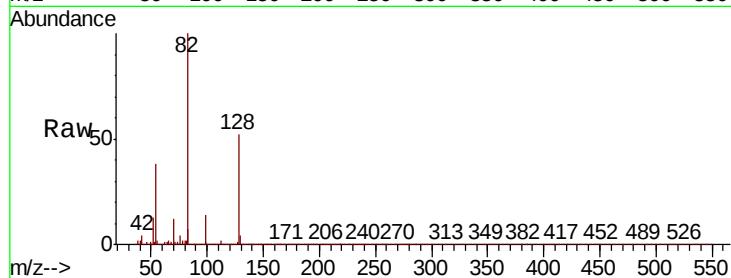




#23
 Nitrobenzene-d5
 Concen: 59.033 ng
 RT: 7.31 min Scan# 888
 Delta R.T. -0.02 min
 Lab File: BP000866.D
 Acq: 18 Oct 2019 03:53

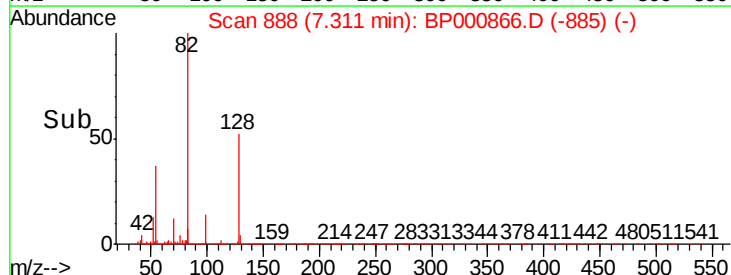
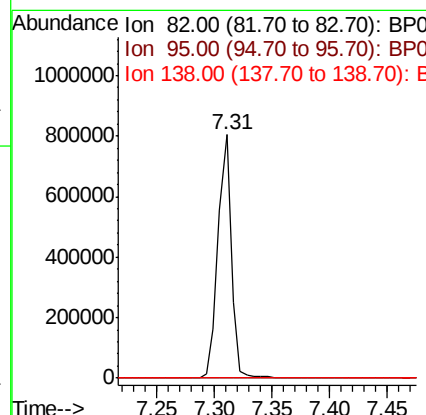
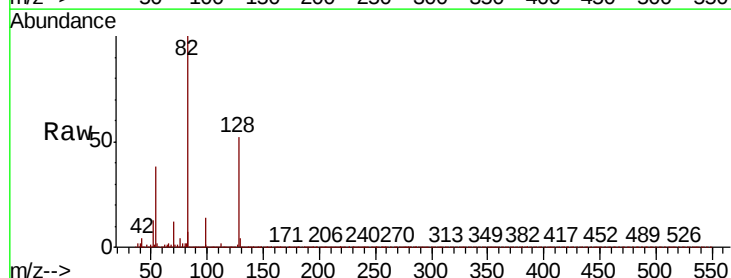
Instrument :
 BNA_P
 ClientSampled :
 72-12017

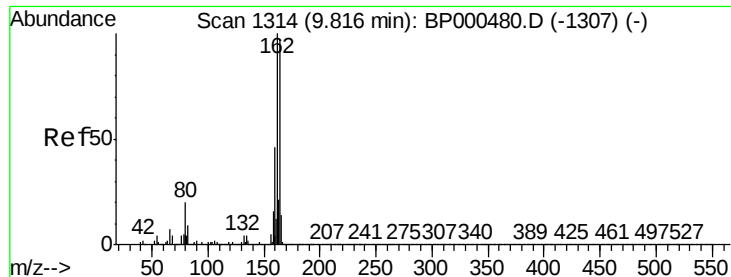
Tot Ion	82	Resp	652353
Ion Ratio	Lower	Upper	
82	100		
128	51.9	40.9	61.3
54	37.5	29.4	44.2



#25
 Isophorone
 Concen: 33.165 ng
 RT: 7.31 min Scan# 888
 Delta R.T. -0.28 min
 Lab File: BP000866.D
 Acq: 18 Oct 2019 03:53

Tgt Ion	82	Resp	650446
Ion Ratio	Lower	Upper	
82	100		
95	0.1	5.8	8.6#
138	0.0	17.0	25.4#

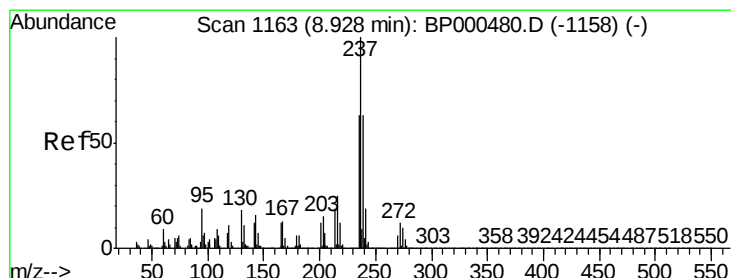
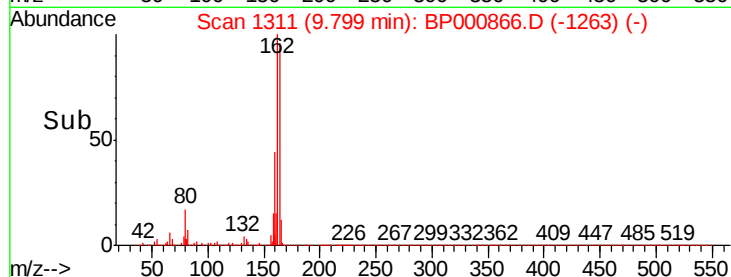
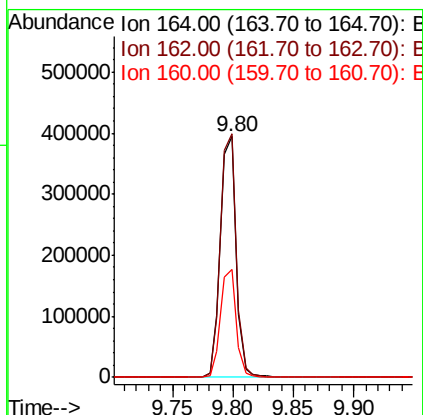
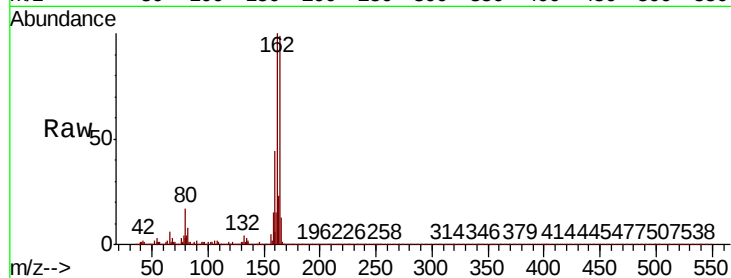




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.02 min
Lab File: BP000866.D
Acq: 18 Oct 2019 03:53

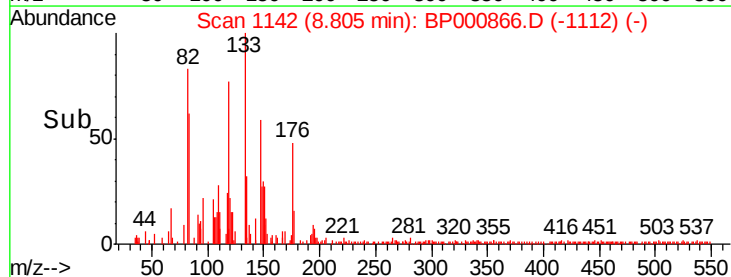
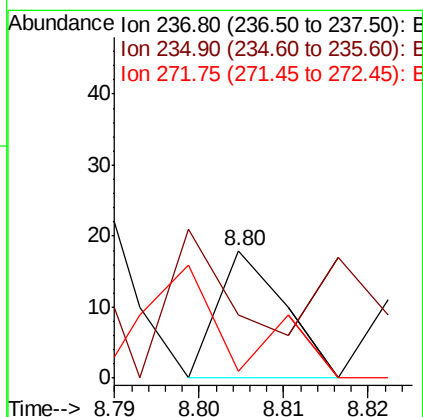
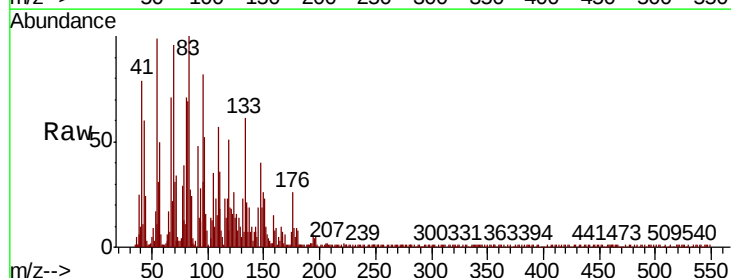
Instrument :
BNA_P
ClientSampled :
72-12017

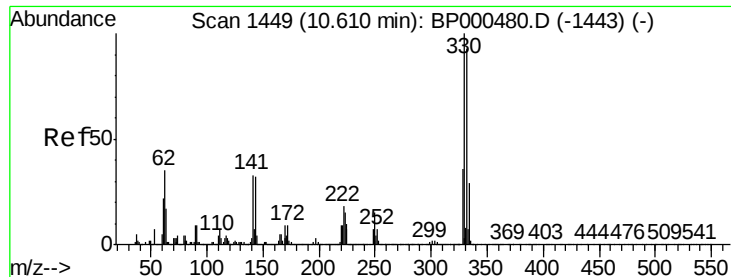
Tot Ion:164 Resp: 353115
Ion Ratio Lower Upper
164 100
162 101.2 82.2 123.2
160 45.0 37.6 56.4



#41
Hexachlorocyclopentadiene
Concen: 7.299 ng
RT: 8.80 min Scan# 1142
Delta R.T. -0.12 min
Lab File: BP000866.D
Acq: 18 Oct 2019 03:53

Tgt Ion:237 Resp: 10
Ion Ratio Lower Upper
237 100
235 50.0 42.9 82.9
272 5.6 0.0 32.4

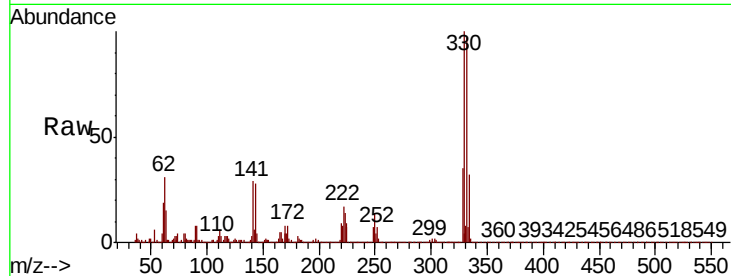




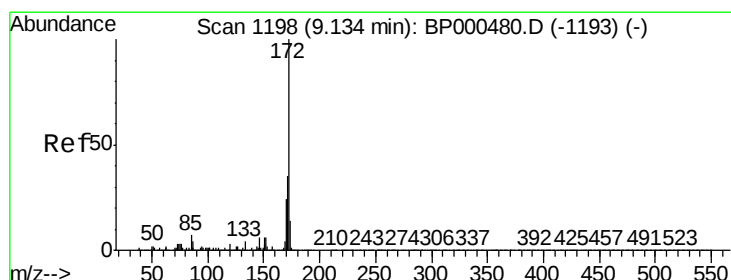
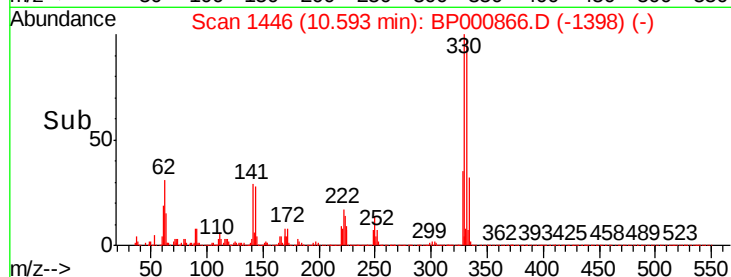
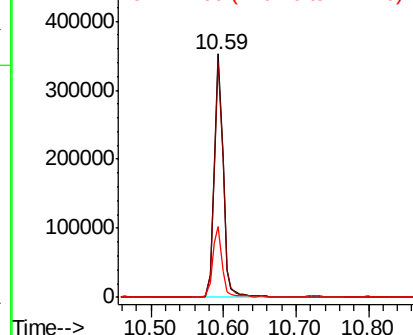
#42
2,4,6-Tribromophenol
Concen: 81.401 ng
RT: 10.59 min Scan# 1446
Delta R.T. -0.02 min
Lab File: BP000866.D
Acq: 18 Oct 2019 03:53

Instrument :
BNA_P
ClientSampleId :
72-12017

Tot Ion:330 Resp: 306301
Ion Ratio Lower Upper
330 100
332 97.7 77.1 115.7
141 29.7 26.0 39.0

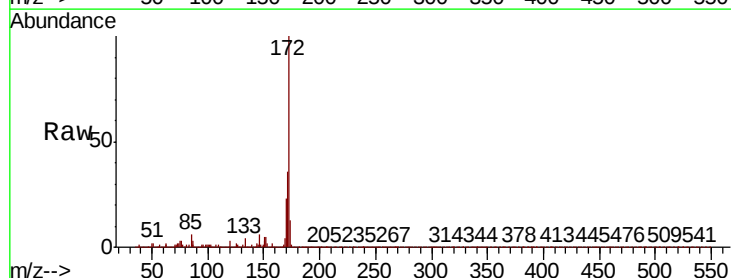


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

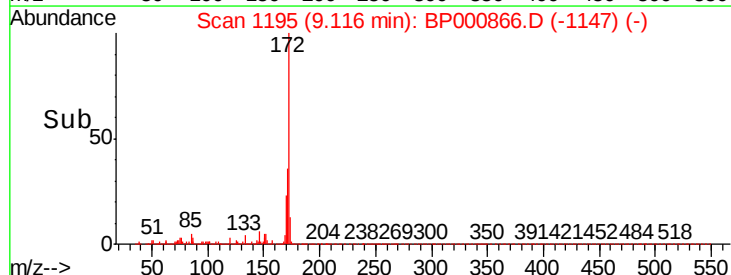
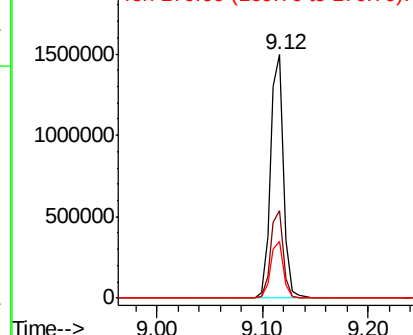


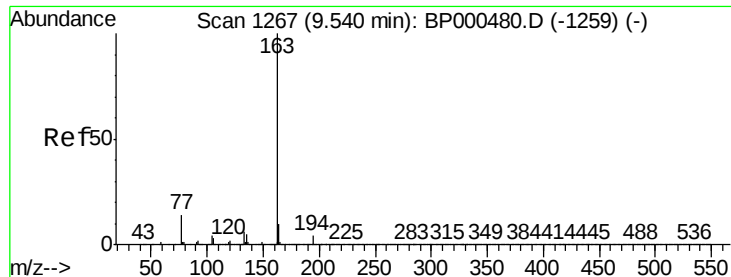
#45
2-Fluorobiphenyl
Concen: 59.046 ng
RT: 9.12 min Scan# 1195
Delta R.T. -0.02 min
Lab File: BP000866.D
Acq: 18 Oct 2019 03:53

Tgt Ion:172 Resp: 1288637
Ion Ratio Lower Upper
172 100
171 35.9 28.4 42.6
170 23.4 19.1 28.7



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

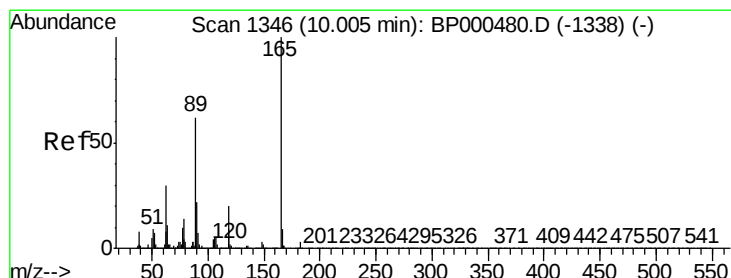
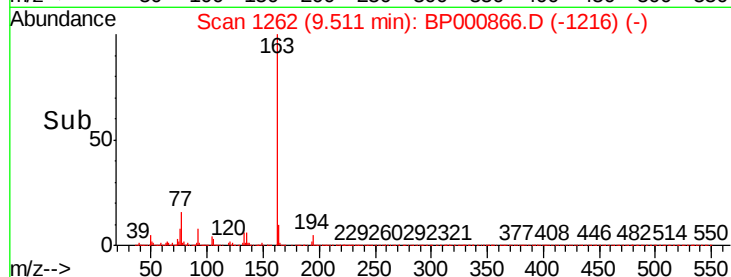
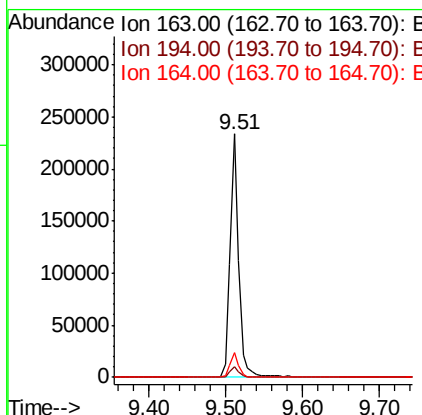
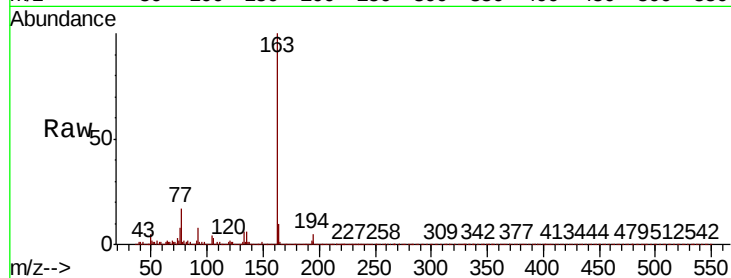




#50
Dimethylphthalate
Concen: 7.413 ng
RT: 9.51 min Scan# 1262
Delta R.T. -0.03 min
Lab File: BP000866.D
Acq: 18 Oct 2019 03:53

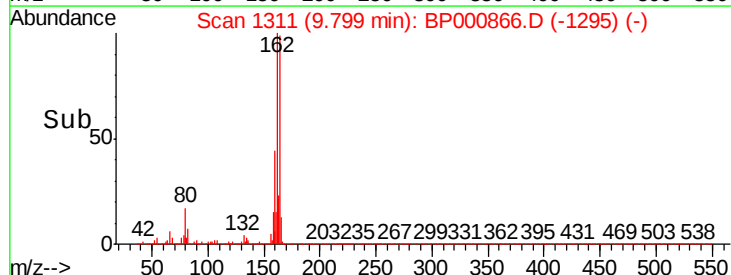
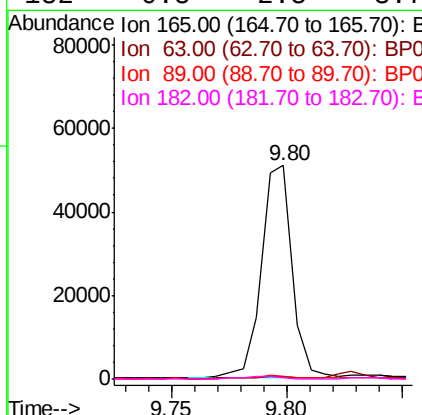
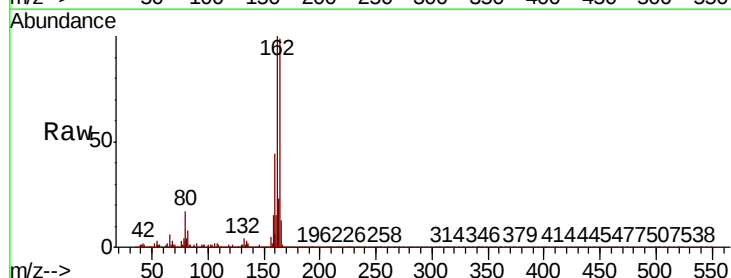
Instrument :
BNA_P
ClientSampleId :
72-12017

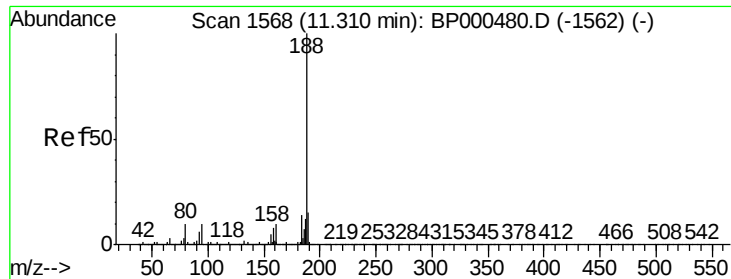
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.4	5.2
164	10.0	8.0	12.0



#57
2,4-Dinitrotoluene
Concen: 6.672 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.21 min
Lab File: BP000866.D
Acq: 18 Oct 2019 03:53

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	24.2	36.4#
89	1.5	49.4	74.0#
182	0.5	2.5	3.7#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.29 min Scan# 1565

Delta R.T. -0.02 min

Lab File: BP000866.D

Acq: 18 Oct 2019 03:53

Instrument :

BNA_P

ClientSampled :

72-12017

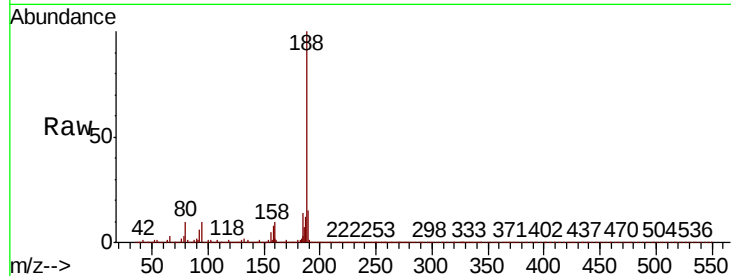
Tot Ion:188 Resp: 622304

Ion Ratio Lower Upper

188 100

94 9.8 8.2 12.2

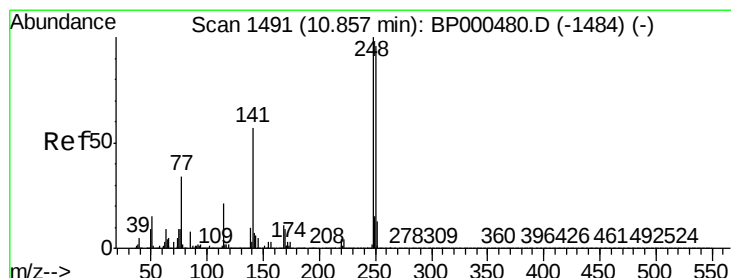
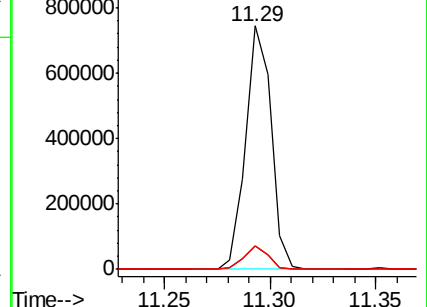
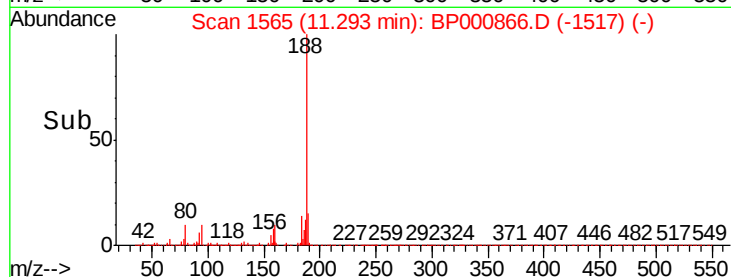
80 9.8 8.3 12.5



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



#67

4-Bromophenyl-phenylether

Concen: 3.029 ng

RT: 10.59 min Scan# 1446

Delta R.T. -0.26 min

Lab File: BP000866.D

Acq: 18 Oct 2019 03:53

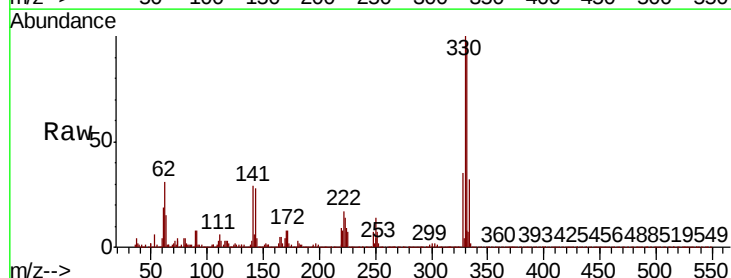
Tgt Ion:248 Resp: 21220

Ion Ratio Lower Upper

248 100

250 203.6 77.2 115.8#

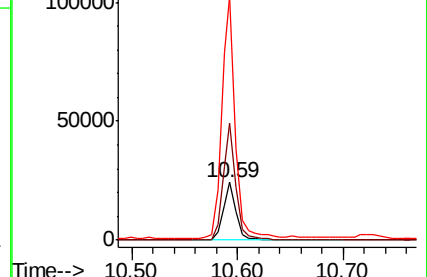
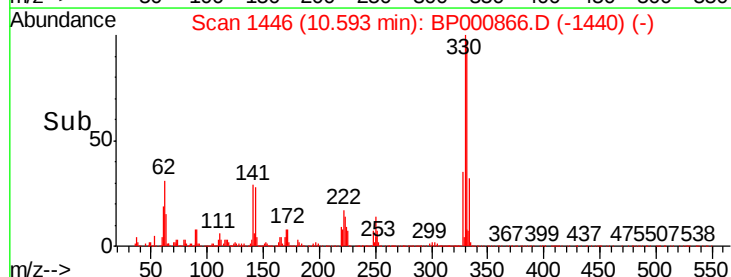
141 423.8 45.3 67.9#

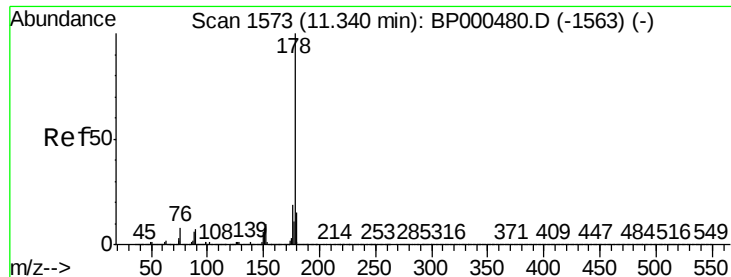


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 10.217 ng

RT: 11.32 min Scan# 1569

Delta R.T. -0.02 min

Lab File: BP000866.D

Acq: 18 Oct 2019 03:53

Instrument :

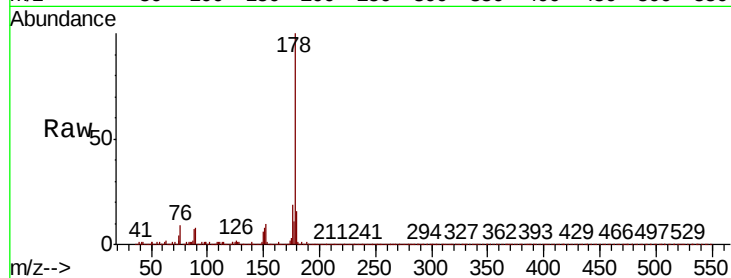
BNA_P

ClientSampleId :

72-12017

Tot Ion:178 Resp: 319315

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.7	12.2	18.4

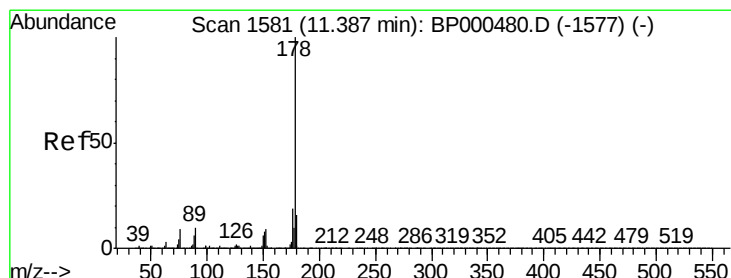
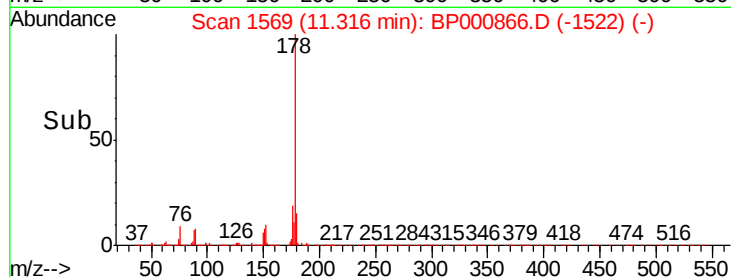
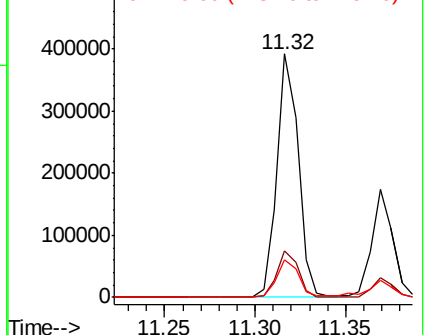


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 4.422 ng

RT: 11.37 min Scan# 1578

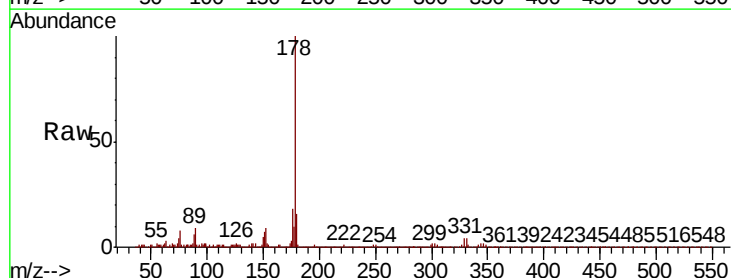
Delta R.T. -0.02 min

Lab File: BP000866.D

Acq: 18 Oct 2019 03:53

Tgt Ion:178 Resp: 137034

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.0
179	15.7	12.6	19.0

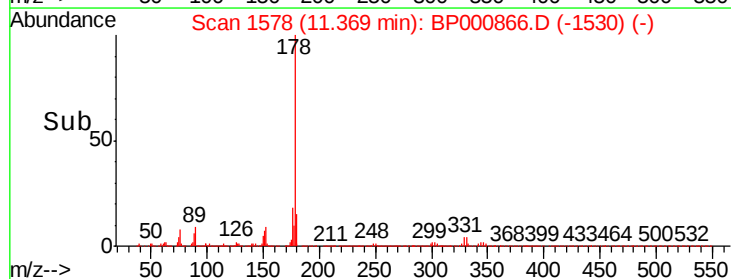
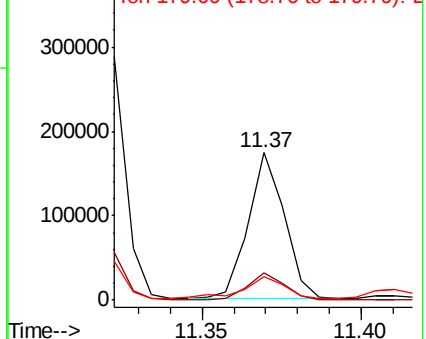


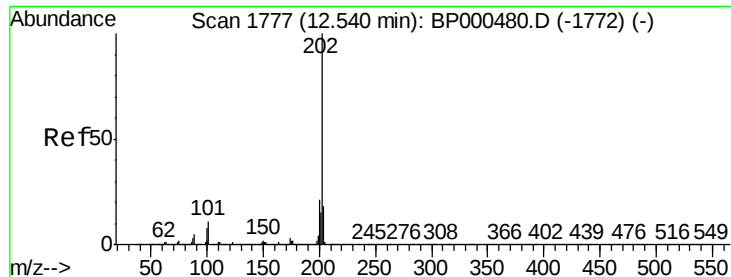
Abundance

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: 16.750 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.02 min

Lab File: BP000866.D

Acq: 18 Oct 2019 03:53

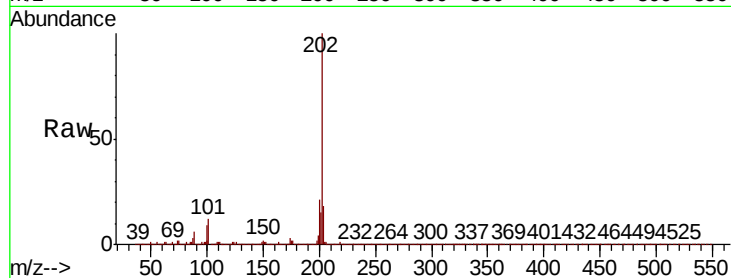
Instrument :

BNA_P

ClientSampleId :

72-12017

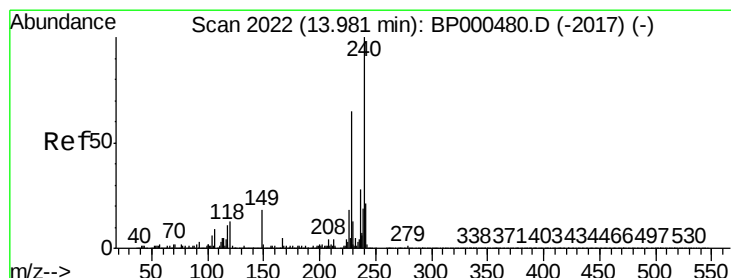
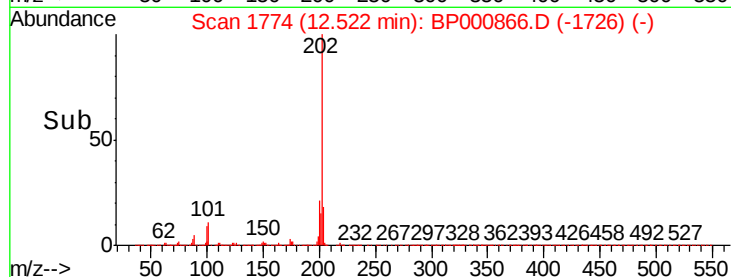
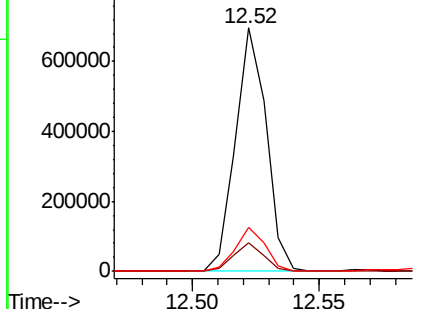
Tot Ion:	202	Resp:	587957
Ion Ratio	Lower	Upper	
202	100		
101	11.5	0.0	31.3
203	18.1	0.0	38.1



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

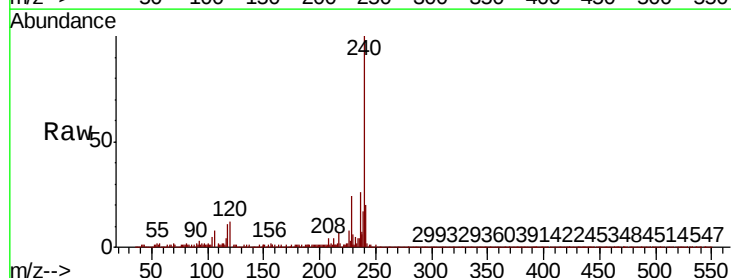
RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BP000866.D

Acq: 18 Oct 2019 03:53

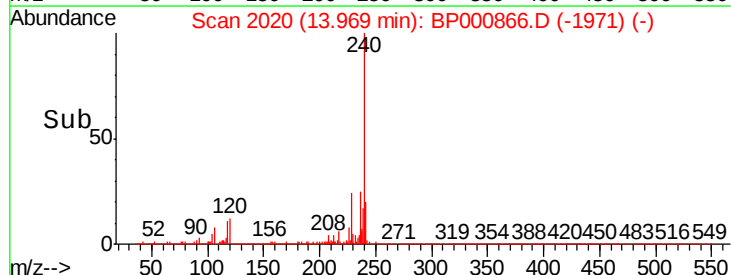
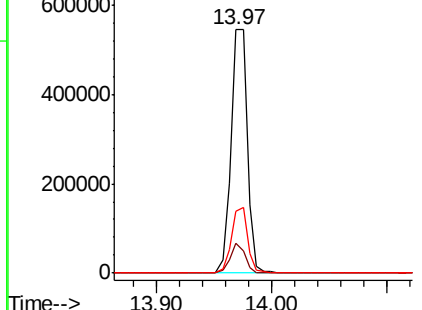
Tgt Ion:	240	Resp:	530653
Ion Ratio	Lower	Upper	
240	100		
120	12.1	10.1	15.1
236	25.6	22.7	34.1

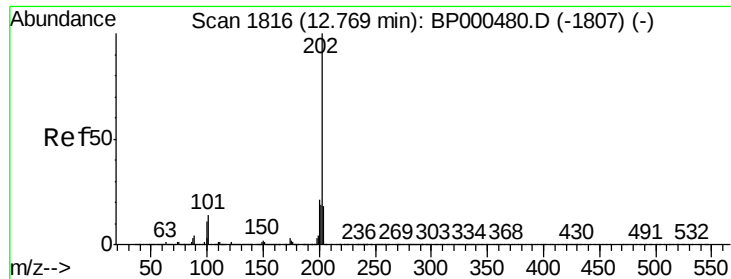


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

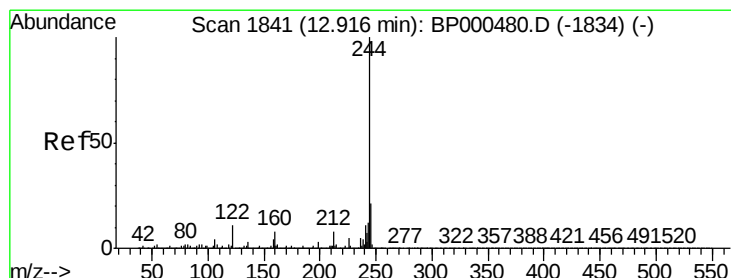
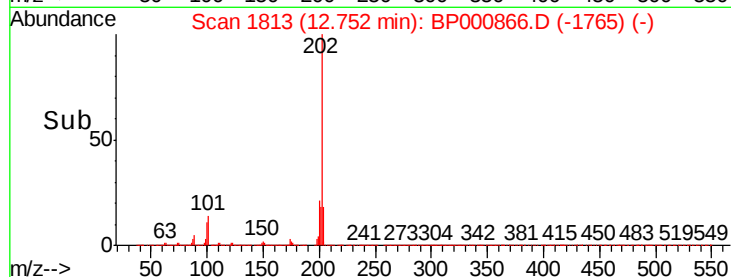
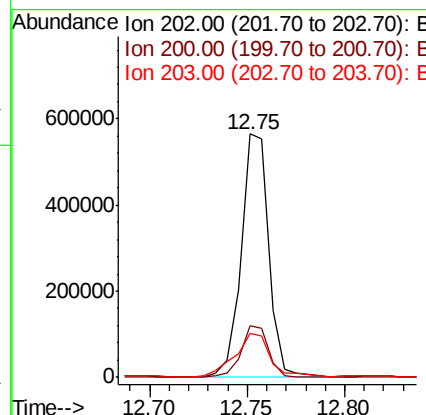
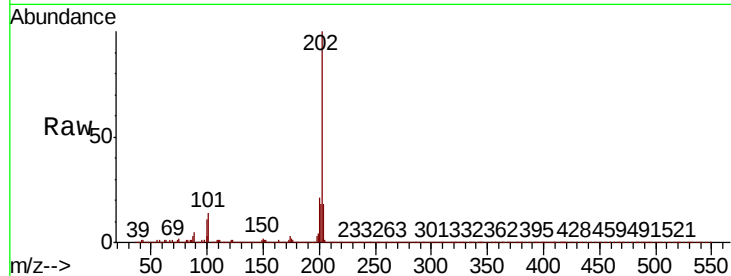




#78
Pvrene
Concen: 14.984 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.02 min
Lab File: BP000866.D
Acq: 18 Oct 2019 03:53

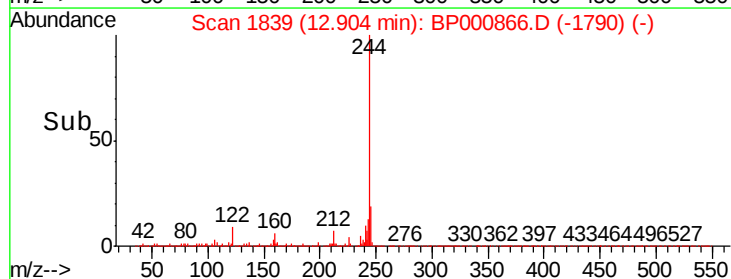
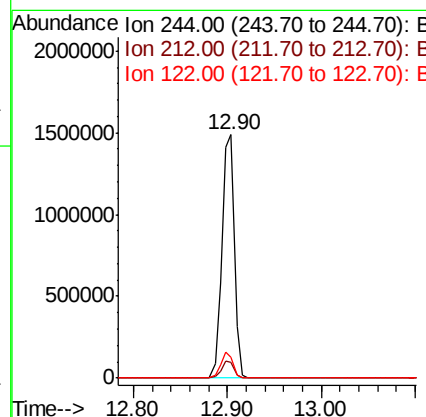
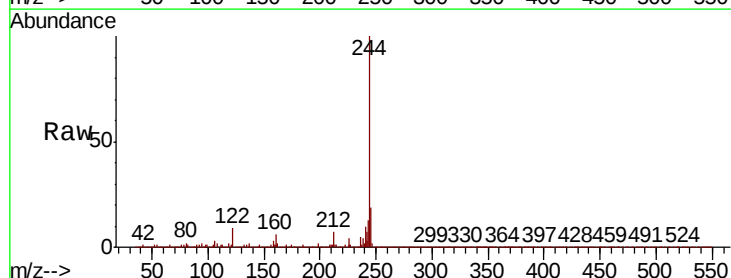
Instrument :
BNA_P
ClientSampleId :
72-12017

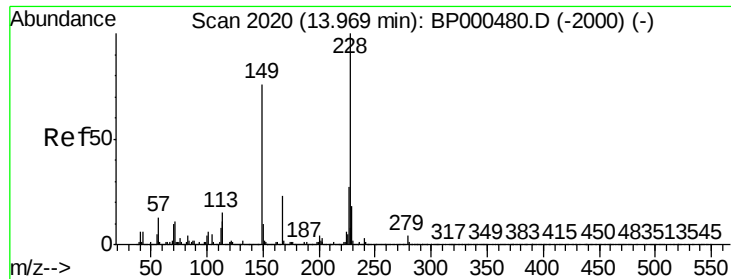
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.1	25.7
203	18.2	14.6	21.8



#79
Terphenyl-d14
Concen: 53.028 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BP000866.D
Acq: 18 Oct 2019 03:53

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.0	9.0
122	8.8	8.9	13.3

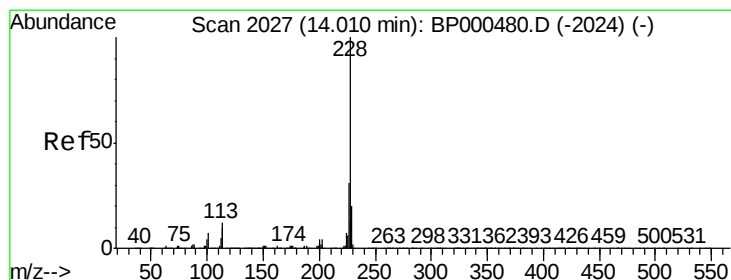
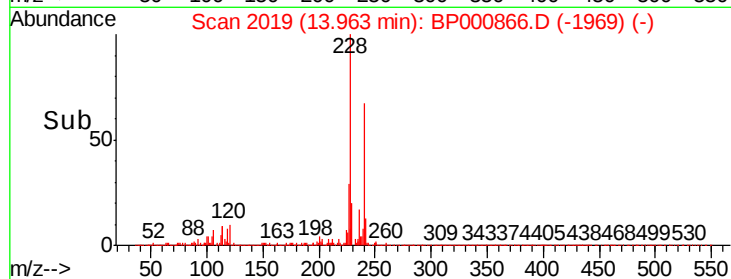
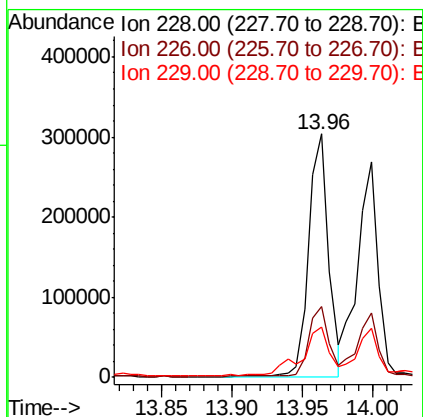
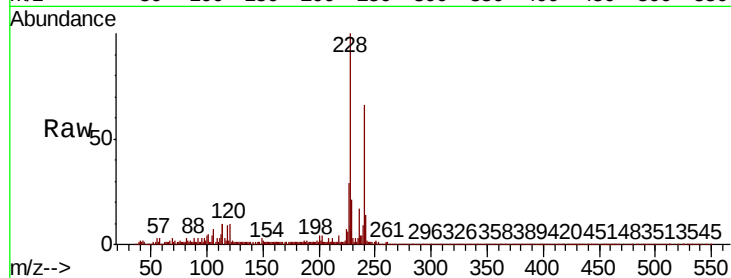




#81
Benzo(a)anthracene
Concen: 9.110 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BP000866.D
Acq: 18 Oct 2019 03:53

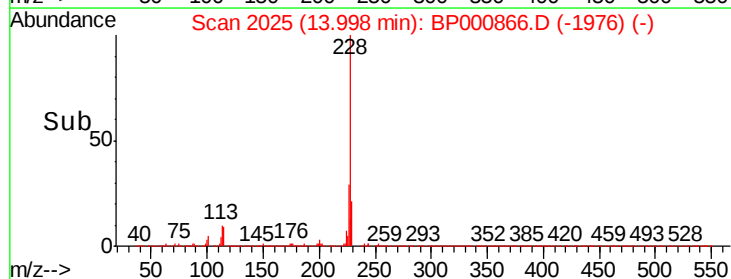
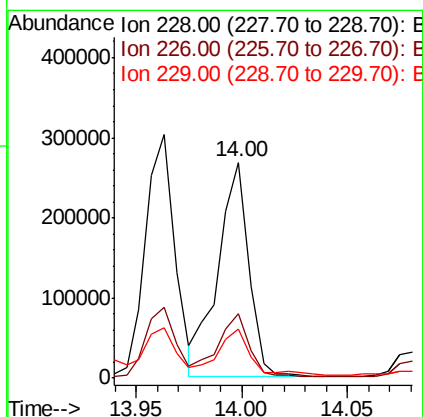
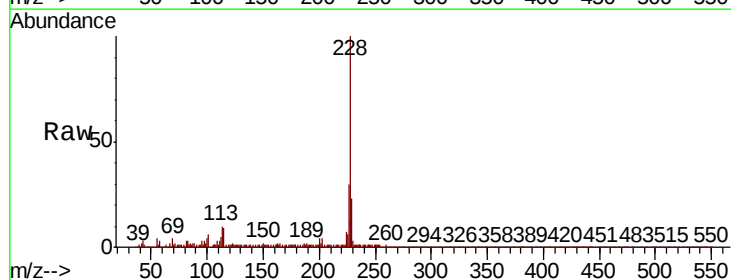
Instrument :
BNA_P
ClientSampleId :
72-12017

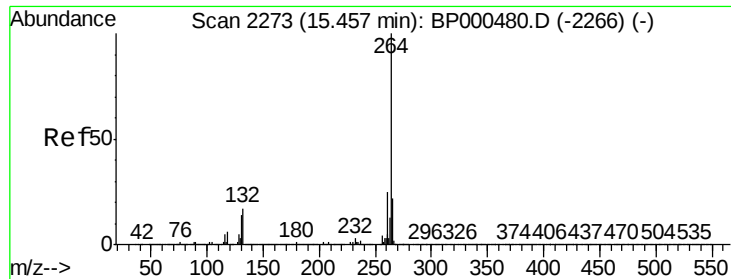
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.2	21.4	32.2
229	20.9	14.7	22.1



#83
Chrysene
Concen: 8.601 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BP000866.D
Acq: 18 Oct 2019 03:53

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.7	37.1
229	22.7	16.3	24.5

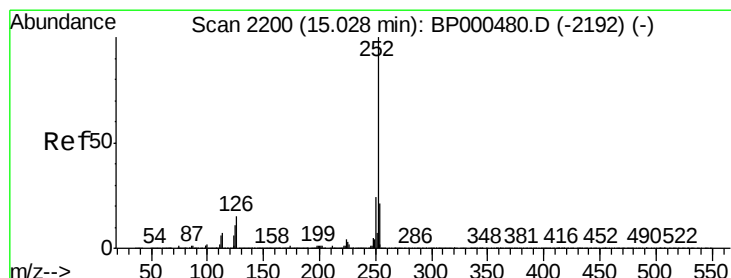
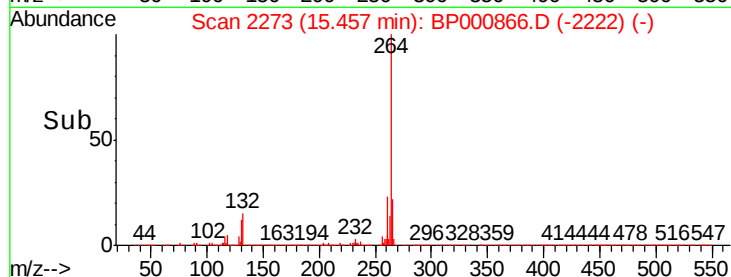
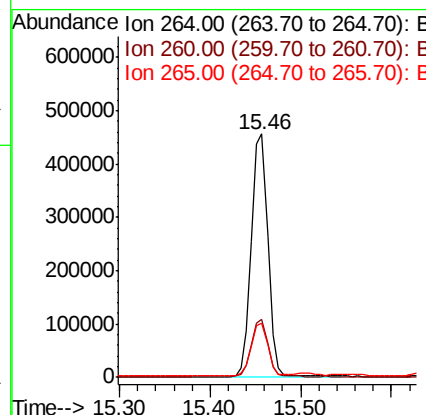
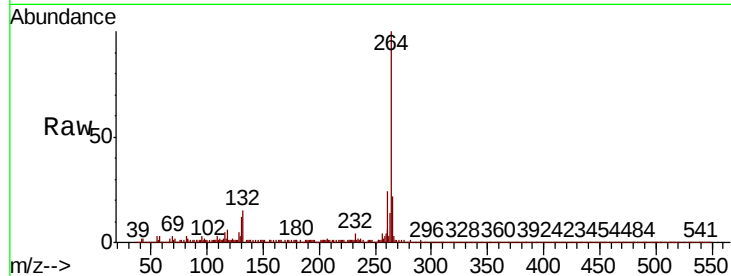




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.00 min
Lab File: BP000866.D
Acq: 18 Oct 2019 03:53

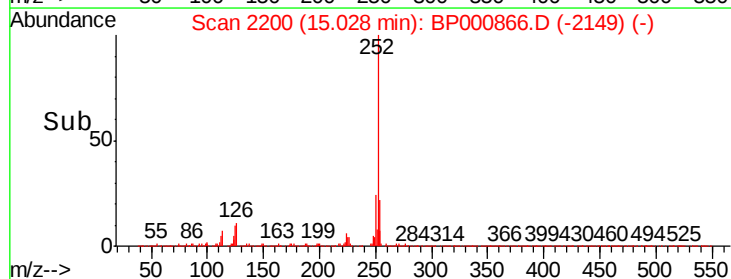
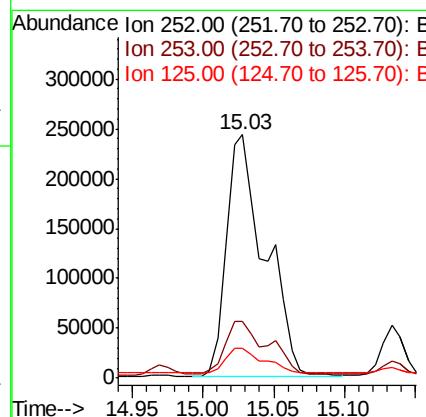
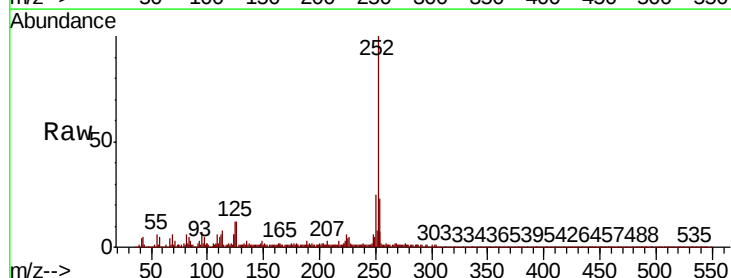
Instrument :
BNA_P
ClientSampleId :
72-12017

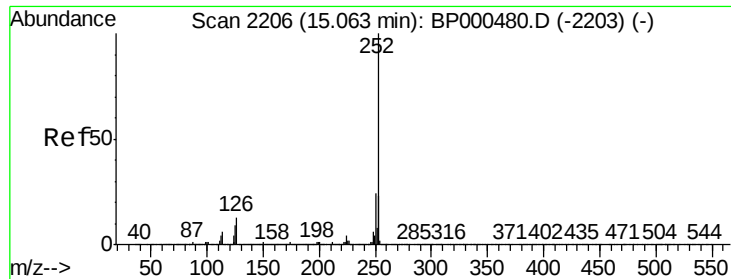
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	20.3	30.5
265	22.0	18.0	27.0



#88
Benzo(b)fluoranthene
Concen: 14.099 ng
RT: 15.03 min Scan# 2200
Delta R.T. 0.00 min
Lab File: BP000866.D
Acq: 18 Oct 2019 03:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.0	25.4
125	12.0	8.9	13.3

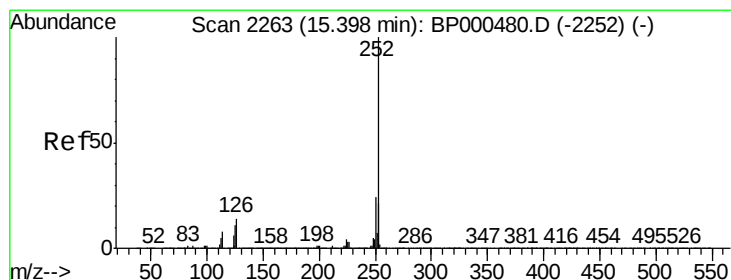
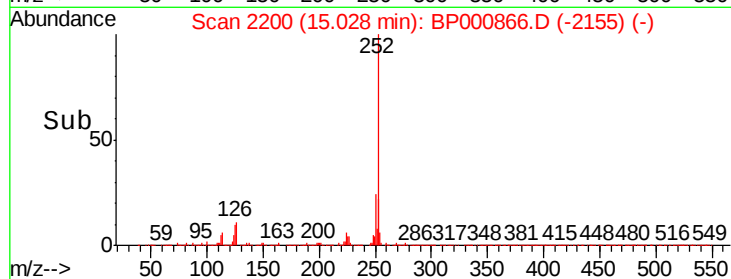
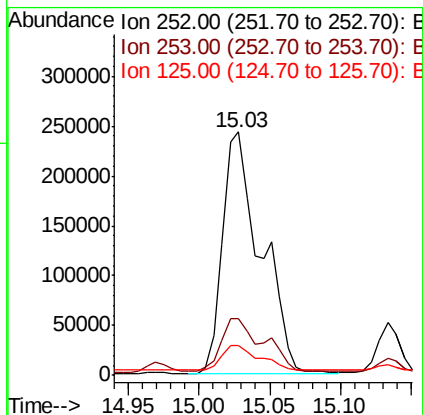
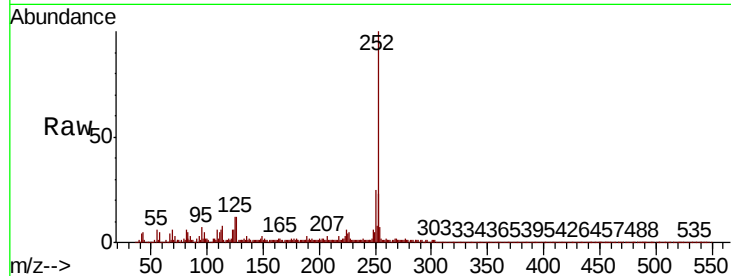




#89
Benzo(k)fluoranthene
Concen: 14.810 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.04 min
Lab File: BP000866.D
Acq: 18 Oct 2019 03:53

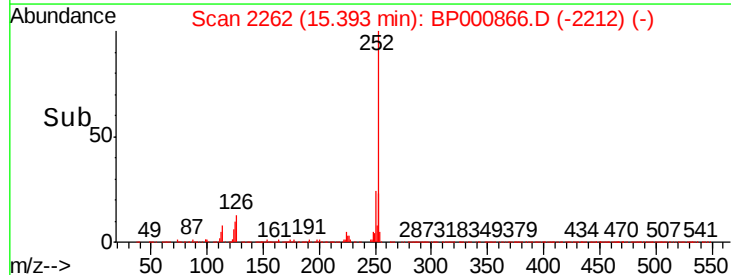
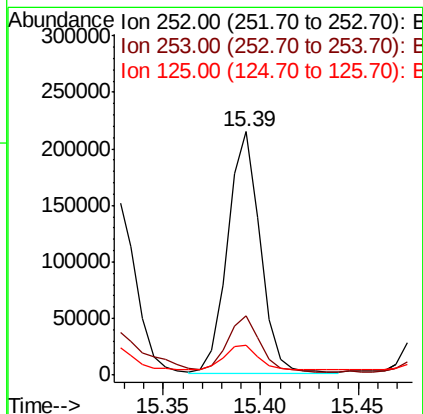
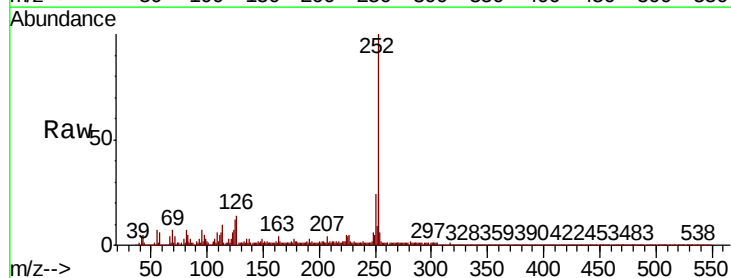
Instrument :
BNA_P
ClientSampleId :
72-12017

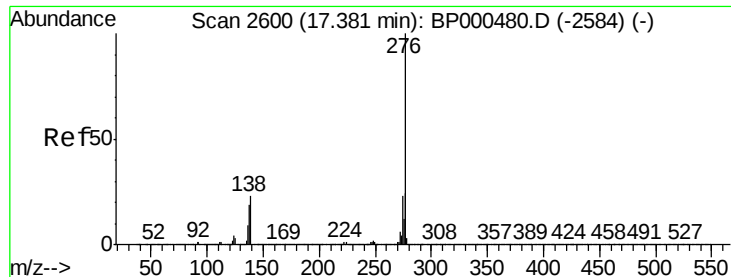
Tot Ion:252 Resp: 462004
Ion Ratio Lower Upper
252 100
253 23.4 18.4 27.6
125 12.0 7.8 11.8#



#90
Benzo(a)pyrene
Concen: 8.047 ng
RT: 15.39 min Scan# 2262
Delta R.T. -0.01 min
Lab File: BP000866.D
Acq: 18 Oct 2019 03:53

Tgt Ion:252 Resp: 245800
Ion Ratio Lower Upper
252 100
253 24.2 17.0 25.6
125 12.2 8.4 12.6





#92

Benzo(a,h,i)perylene

Concen: 4.311 ng

RT: 17.37 min Scan# 2599

Delta R.T. -0.01 min

Lab File: BP000866.D

Acq: 18 Oct 2019 03:53

Instrument :

BNA_P

ClientSampleId :

72-12017

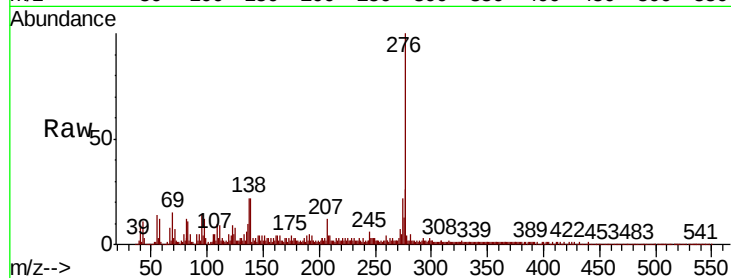
Tot Ion:276 Resp: 129771

Ion Ratio Lower Upper

276 100

277 25.9 19.4 29.2

138 21.7 18.5 27.7



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

