

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071221\
 Data File : BP006187.D
 Acq On : 12 Jul 2021 18:30
 Operator : CG/JU
 Sample : M3001-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 N9994

Quant Time: Jul 13 04:15:46 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP070721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 12 14:59:51 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

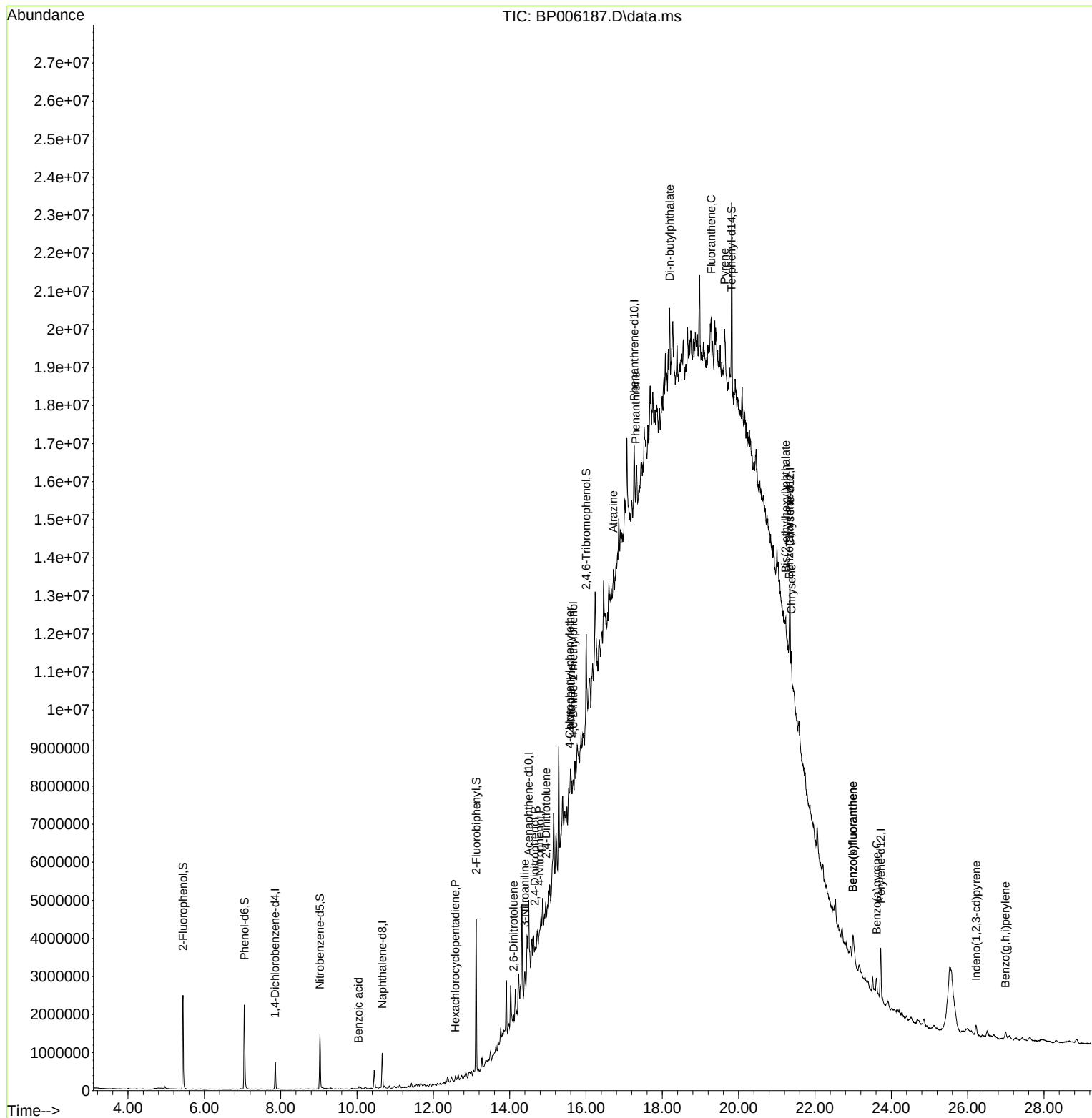
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.857	152	201156	20.00	ng	0.00
21) Naphthalene-d8	10.663	136	798102	20.00	ng	0.00
39) Acenaphthene-d10	14.498	164	469015	20.00	ng	0.00
64) Phenanthrene-d10	17.263	188	835997	20.00	ng	# 0.01
76) Chrysene-d12	21.345	240	865622	20.00	ng	# 0.02
86) Perylene-d12	23.721	264	938089	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	1231910	105.37	ng	0.00
7) Phenol-d6	7.051	99	1512425	97.80	ng	0.00
23) Nitrobenzene-d5	9.028	82	874194	69.19	ng	0.00
42) 2,4,6-Tribromophenol	16.004	330	612858	109.75	ng	0.00
45) 2-Fluorobiphenyl	13.122	172	2058228	64.88	ng	0.00
79) Terphenyl-d14	19.815	244	2910239	66.29	ng	0.01
Target Compounds						Qvalue
32) Benzoic acid	10.039	122	8339	7.80	ng	91
41) Hexachlorocyclopentadiene	12.575	237	13	8.70	ng	94
51) 2,6-Dinitrotoluene	14.104	165	18226	2.40	ng	# 32
53) 3-Nitroaniline	14.398	138	27125	3.52	ng	# 15
54) 2,4-Dinitrophenol	14.657	184	641	9.02	ng	# 1
56) 4-Nitrophenol	14.786	139	6616	8.14	ng	# 1
57) 2,4-Dinitrotoluene	14.951	165	43575	4.26	ng	# 37
61) 4-Chlorophenyl-phenyle...	15.569	204	35041	2.41	ng	# 8
62) 4-Nitroaniline	15.610	138	13257	4.54	ng	# 40
65) 4,6-Dinitro-2-methylph...	15.669	198	4398	5.15	ng	# 1
69) Atrazine	16.716	200	28659	3.35	ng	# 1
71) Phenanthrene	17.304	178	182432	3.86	ng	# 22
74) Di-n-butylphthalate	18.198	149	159960	2.90	ng	# 45
75) Fluoranthene	19.280	202	621137	12.00	ng	79
78) Pyrene	19.633	202	563331	9.63	ng	# 84
81) Benzo(a)anthracene	21.327	228	262392	4.79	ng	# 90
83) Chrysene	21.380	228	330467	6.11	ng	# 92
84) Bis(2-ethylhexyl)phtha...	21.233	149	103425	2.41	ng	# 87
87) Indeno(1,2,3-cd)pyrene	26.221	276	239688	3.47	ng	# 92
88) Benzo(b)fluoranthene	22.992	252	541268	9.51	ng	# 81
89) Benzo(k)fluoranthene	22.992	252	541268	9.73	ng	# 82
90) Benzo(a)pyrene	23.615	252	241897	4.53	ng	# 80
92) Benzo(g,h,i)perylene	26.991	276	233183	3.98	ng	# 84

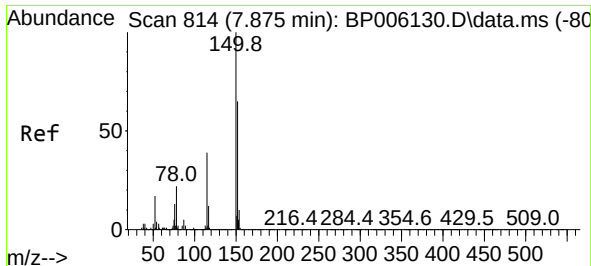
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071221\
Data File : BP006187.D
Acq On : 12 Jul 2021 18:30
Operator : CG/JU
Sample : M3001-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
N9994

Quant Time: Jul 13 04:15:46 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP070721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 12 14:59:51 2021
Response via : Initial Calibration

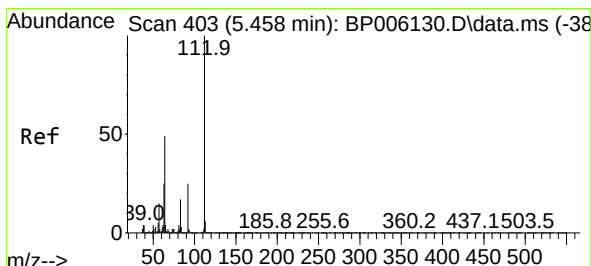
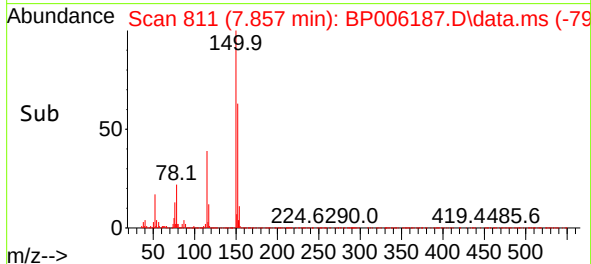
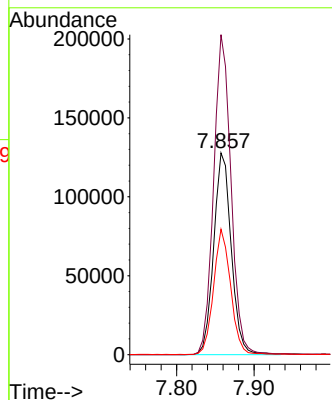
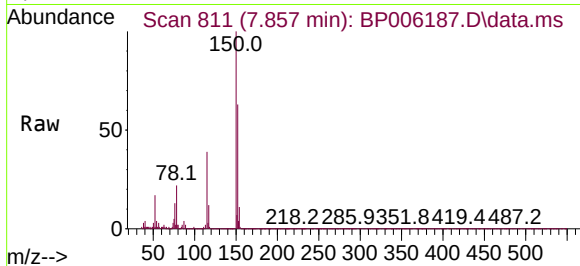




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.857 min Scan# 811
Delta R.T. -0.006 min
Lab File: BP006187.D
Acq: 12 Jul 2021 18:30

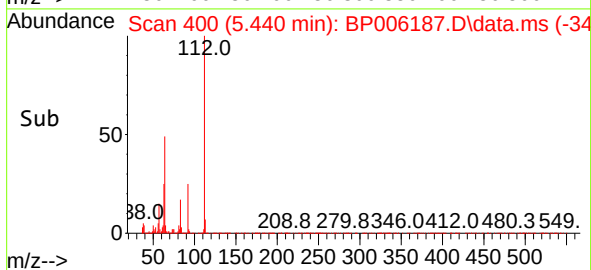
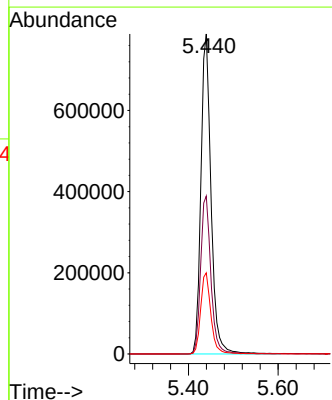
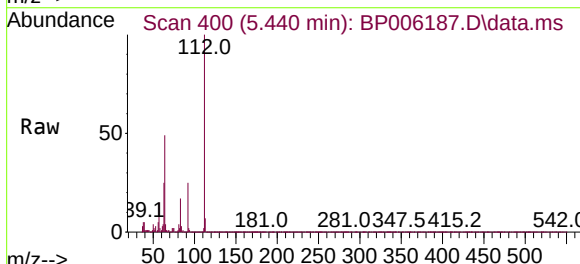
Instrument :
BNA_P
ClientSampleId :
N9994

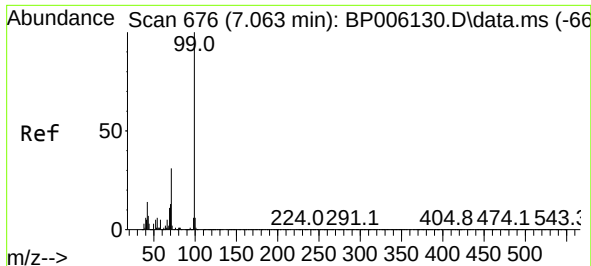
Tgt Ion:152 Resp: 201156
Ion Ratio Lower Upper
152 100
150 158.6 125.6 188.4
115 62.2 48.5 72.7



#5
2-Fluorophenol
Concen: 105.37 ng
RT: 5.440 min Scan# 400
Delta R.T. 0.000 min
Lab File: BP006187.D
Acq: 12 Jul 2021 18:30

Tgt Ion:112 Resp: 1231910
Ion Ratio Lower Upper
112 100
64 49.4 41.4 62.2
63 25.4 23.8 35.8

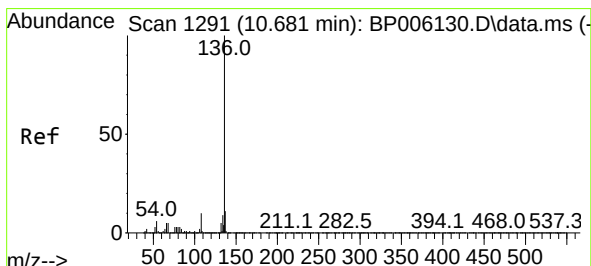
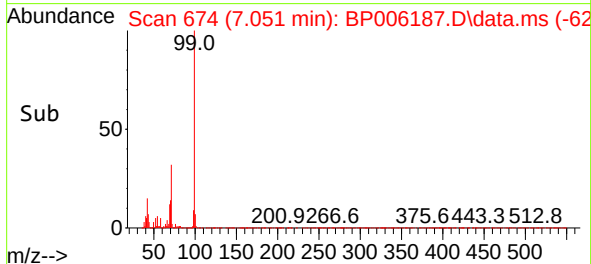
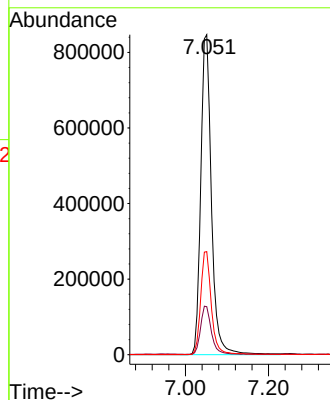
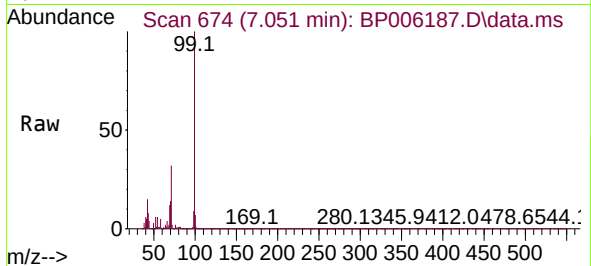




#7
Phenol-d6
Concen: 97.80 ng
RT: 7.051 min Scan# 674
Delta R.T. 0.006 min
Lab File: BP006187.D
Acq: 12 Jul 2021 18:30

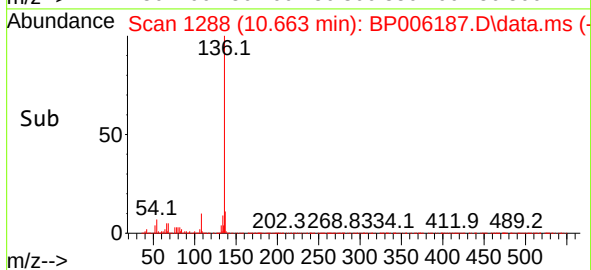
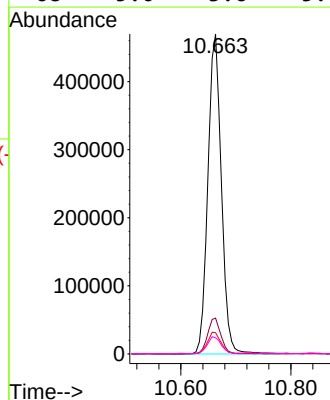
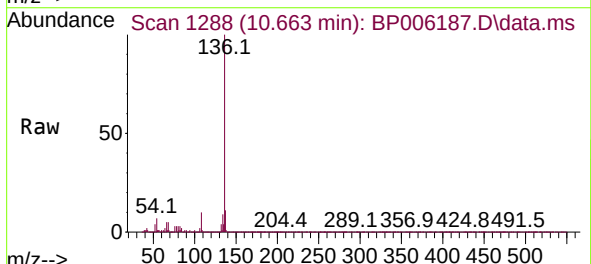
Instrument :
BNA_P
ClientSampleId :
N9994

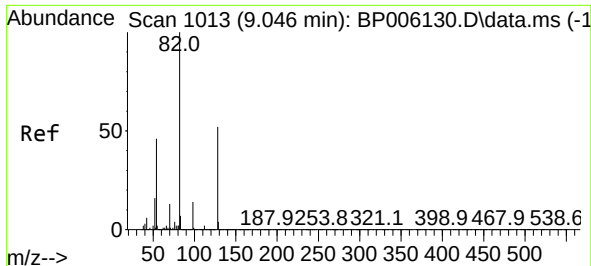
Tgt Ion: 99 Resp: 1512425
Ion Ratio Lower Upper
99 100
42 15.0 13.4 20.0
71 32.2 30.6 46.0



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.663 min Scan# 1288
Delta R.T. 0.000 min
Lab File: BP006187.D
Acq: 12 Jul 2021 18:30

Tgt Ion: 136 Resp: 798102
Ion Ratio Lower Upper
136 100
137 11.2 8.6 12.8
54 6.7 4.6 6.8
68 5.0 3.6 5.4

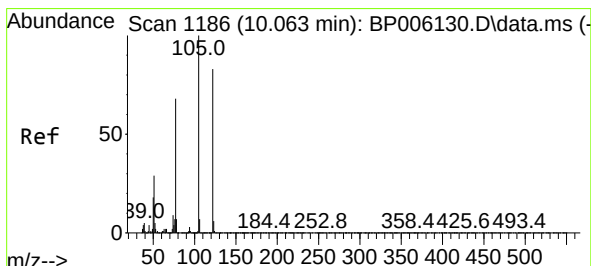
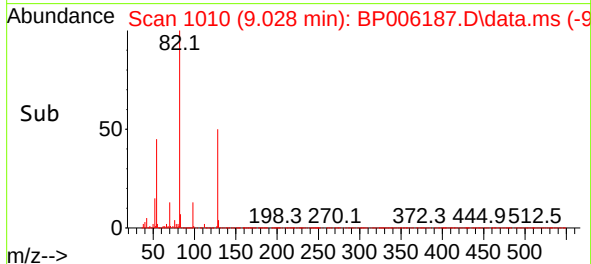
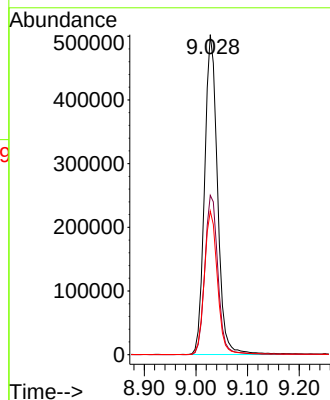
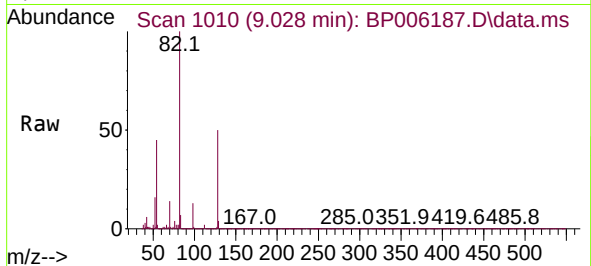




#23
Nitrobenzene-d5
Concen: 69.19 ng
RT: 9.028 min Scan# 1010
Delta R.T. -0.006 min
Lab File: BP006187.D
Acq: 12 Jul 2021 18:30

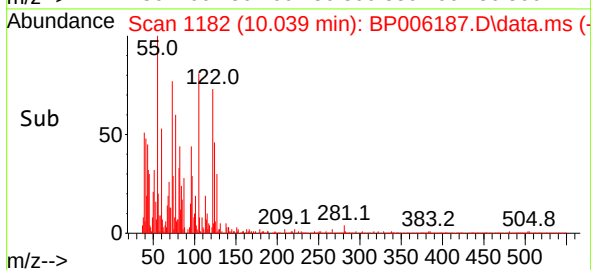
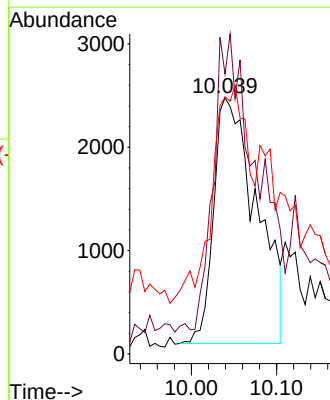
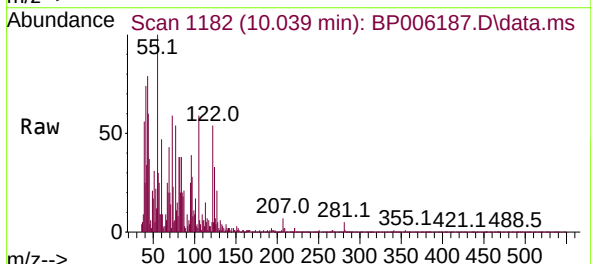
Instrument :
BNA_P
ClientSampleId :
N9994

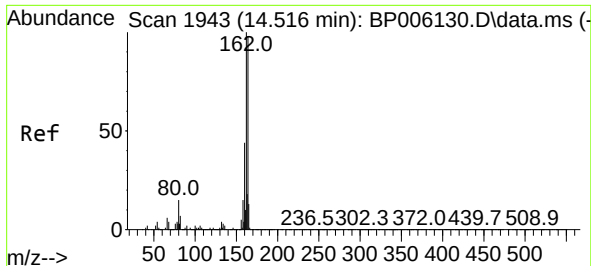
Tgt Ion: 82 Resp: 874194
Ion Ratio Lower Upper
82 100
128 49.8 35.7 53.5
54 44.8 35.0 52.4



#32
Benzoic acid
Concen: 7.80 ng
RT: 10.039 min Scan# 1182
Delta R.T. -0.023 min
Lab File: BP006187.D
Acq: 12 Jul 2021 18:30

Tgt Ion:122 Resp: 8339
Ion Ratio Lower Upper
122 100
105 109.2 103.2 143.2
77 100.3 76.2 116.2

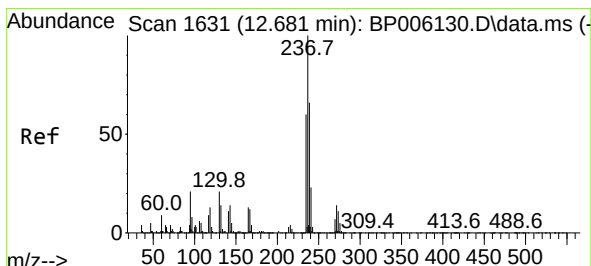
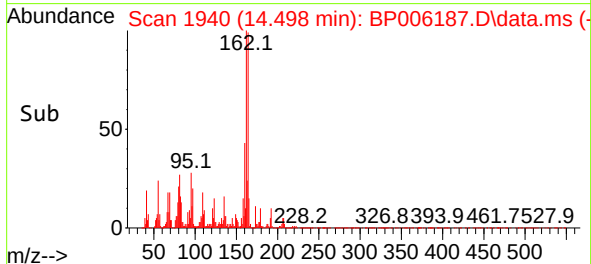
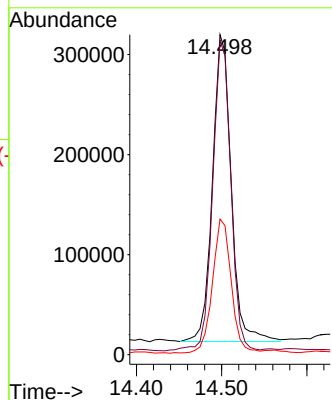
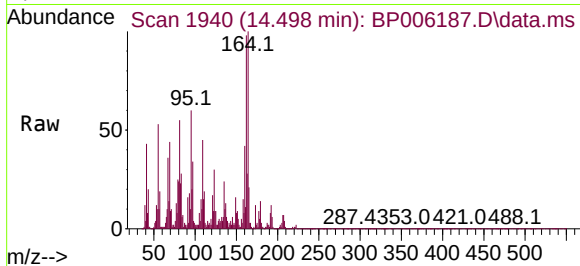




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.498 min Scan# 1940
Delta R.T. 0.000 min
Lab File: BP006187.D
Acq: 12 Jul 2021 18:30

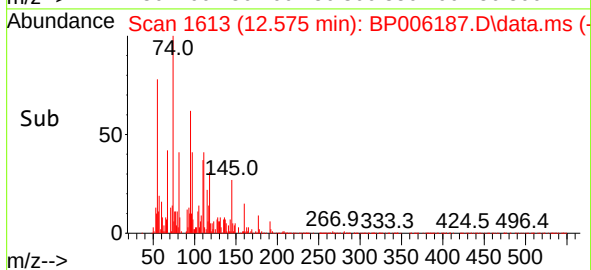
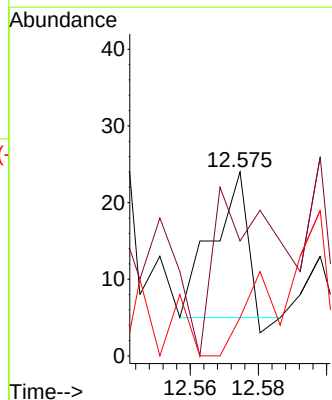
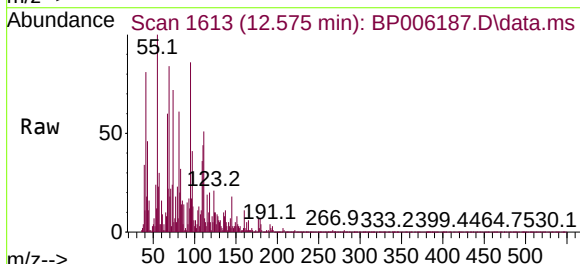
Instrument :
BNA_P
ClientSampleId :
N9994

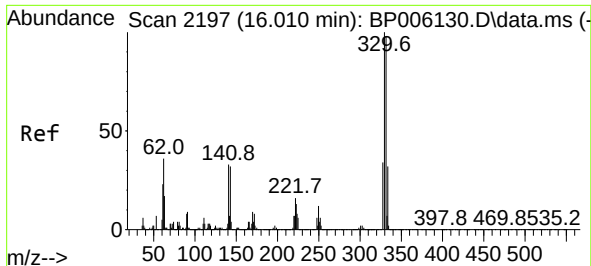
Tgt Ion:164 Resp: 469015
Ion Ratio Lower Upper
164 100
162 98.3 80.2 120.2
160 42.4 34.5 51.7



#41
Hexachlorocyclopentadiene
Concen: 8.70 ng
RT: 12.575 min Scan# 1613
Delta R.T. -0.094 min
Lab File: BP006187.D
Acq: 12 Jul 2021 18:30

Tgt Ion:237 Resp: 13
Ion Ratio Lower Upper
237 100
235 62.5 44.5 84.5
272 20.8 0.0 32.5

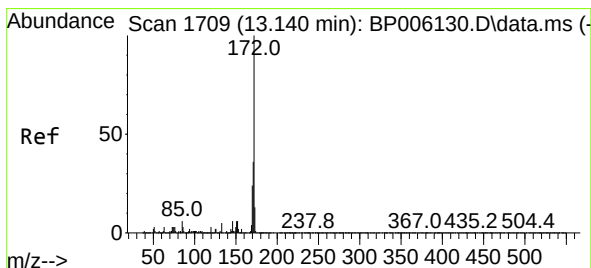
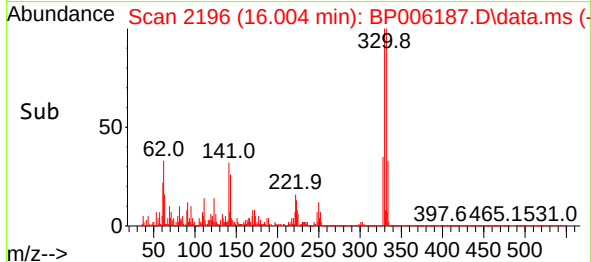
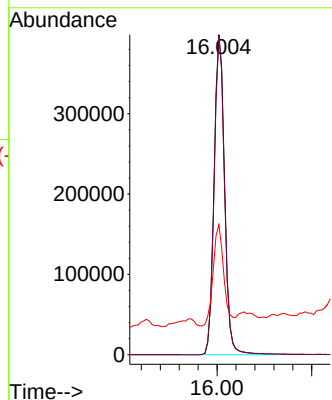
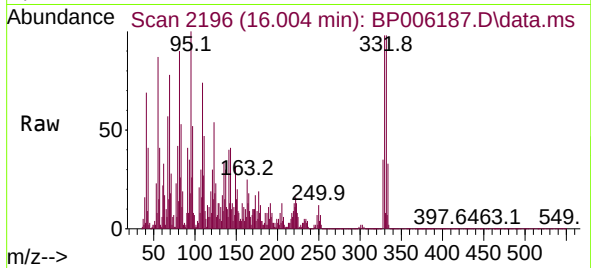




#42
2,4,6-Tribromophenol
Concen: 109.75 ng
RT: 16.004 min Scan# 2196
Delta R.T. 0.006 min
Lab File: BP006187.D
Acq: 12 Jul 2021 18:30

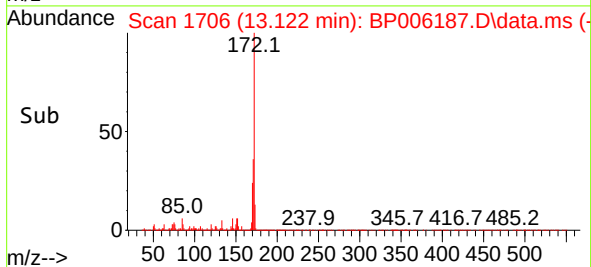
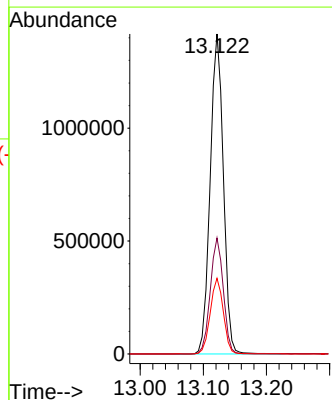
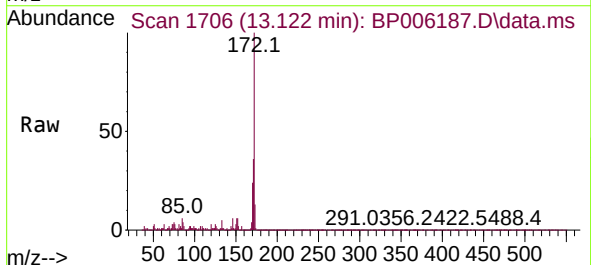
Instrument :
BNA_P
ClientSampleId :
N9994

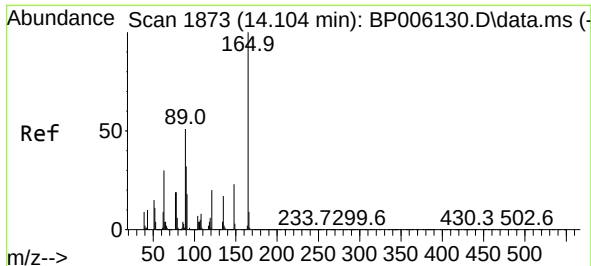
Tgt Ion:330 Resp: 612858
Ion Ratio Lower Upper
330 100
332 97.9 77.8 116.8
141 32.5 25.4 38.2



#45
2-Fluorobiphenyl
Concen: 64.88 ng
RT: 13.122 min Scan# 1706
Delta R.T. 0.000 min
Lab File: BP006187.D
Acq: 12 Jul 2021 18:30

Tgt Ion:172 Resp: 2058228
Ion Ratio Lower Upper
172 100
171 36.3 27.9 41.9
170 23.6 18.6 27.8

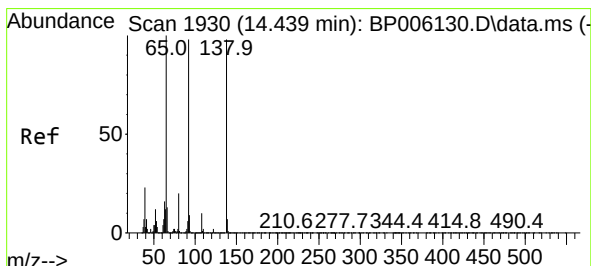
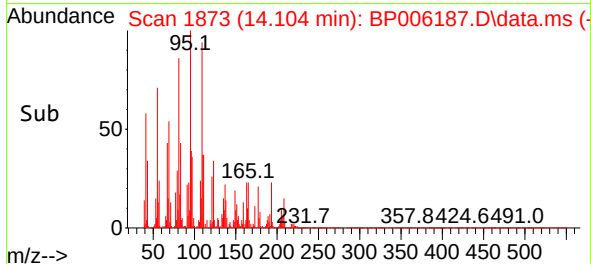
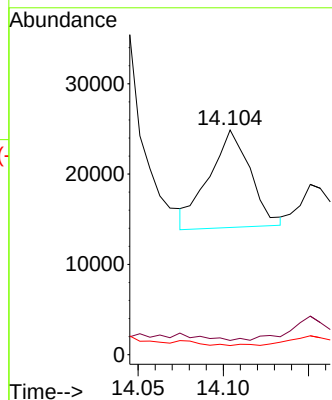
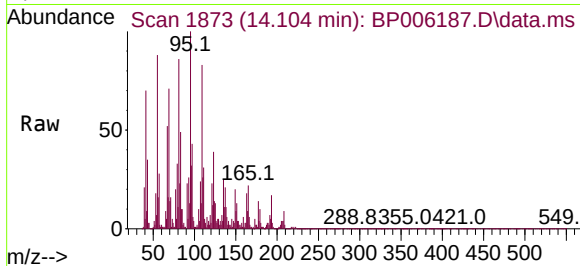




#51
2,6-Dinitrotoluene
Concen: 2.40 ng
RT: 14.104 min Scan# 1873
Delta R.T. 0.012 min
Lab File: BP006187.D
Acq: 12 Jul 2021 18:30

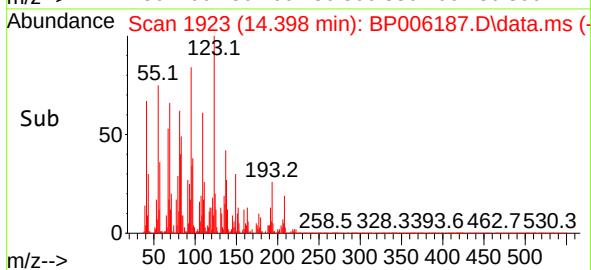
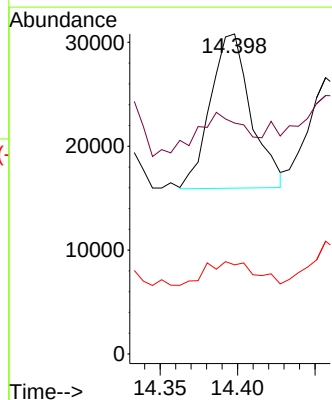
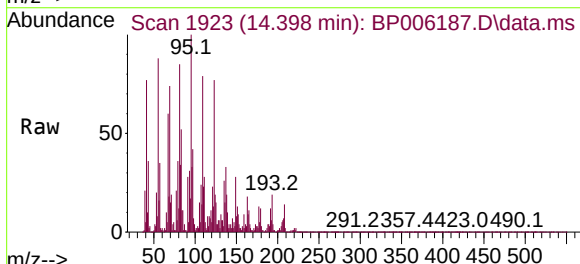
Instrument :
BNA_P
ClientSampleId :
N9994

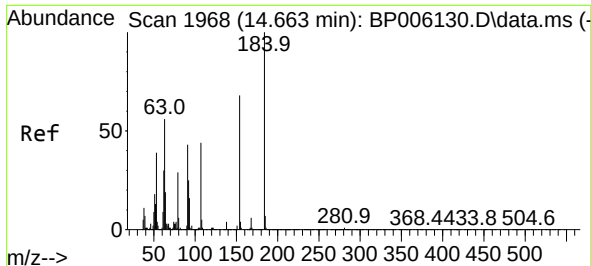
Tgt Ion:165 Resp: 18226
Ion Ratio Lower Upper
165 100
63 6.3 41.3 61.9#
89 4.1 44.8 67.2#



#53
3-Nitroaniline
Concen: 3.52 ng
RT: 14.398 min Scan# 1923
Delta R.T. -0.023 min
Lab File: BP006187.D
Acq: 12 Jul 2021 18:30

Tgt Ion:138 Resp: 27125
Ion Ratio Lower Upper
138 100
108 72.2 8.4 12.6#
92 27.8 87.8 131.8#

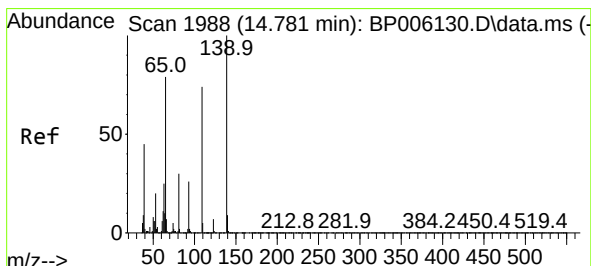
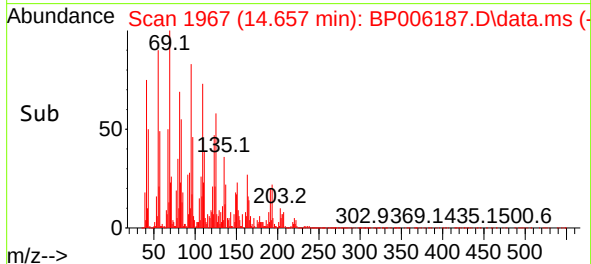
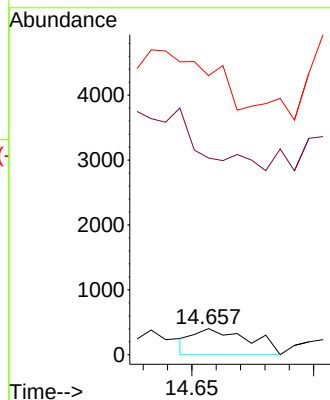
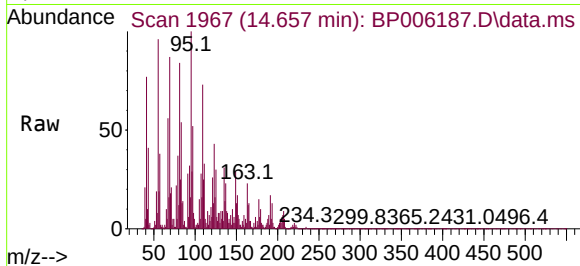




#54
2,4-Dinitrophenol
Concen: 9.02 ng
RT: 14.657 min Scan# 1967
Delta R.T. 0.000 min
Lab File: BP006187.D
Acq: 12 Jul 2021 18:30

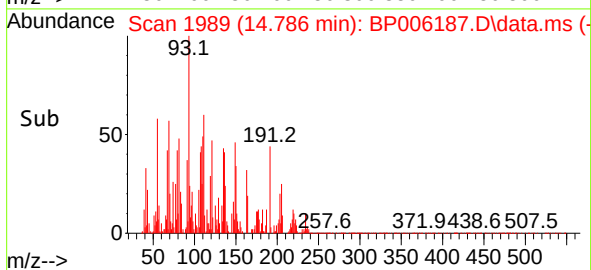
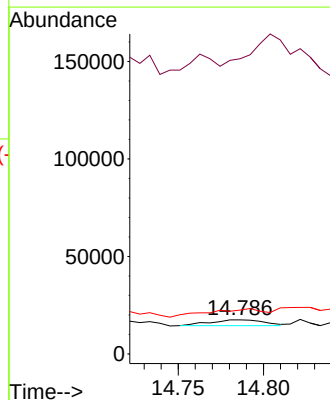
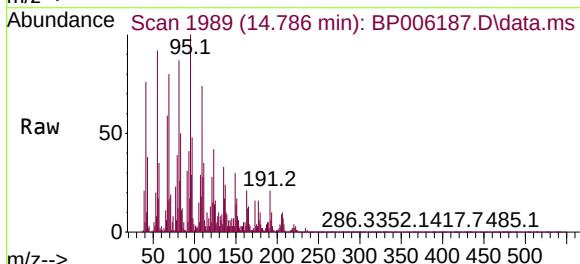
Instrument :
BNA_P
ClientSampleId :
N9994

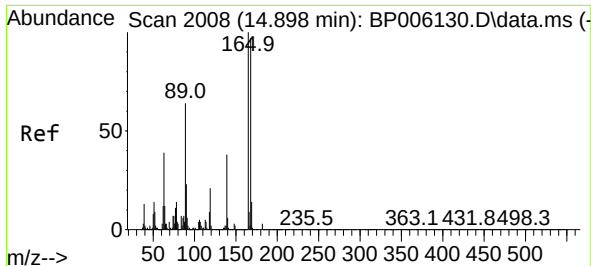
Tgt Ion:184 Resp: 641
Ion Ratio Lower Upper
184 100
63 752.1 47.0 70.6#
154 1067.5 52.3 78.5#



#56
4-Nitrophenol
Concen: 8.14 ng
RT: 14.786 min Scan# 1989
Delta R.T. 0.018 min
Lab File: BP006187.D
Acq: 12 Jul 2021 18:30

Tgt Ion:139 Resp: 6616
Ion Ratio Lower Upper
139 100
109 863.9 72.3 112.3#
65 128.4 72.5 112.5#

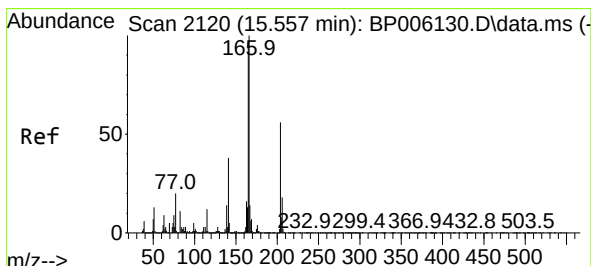
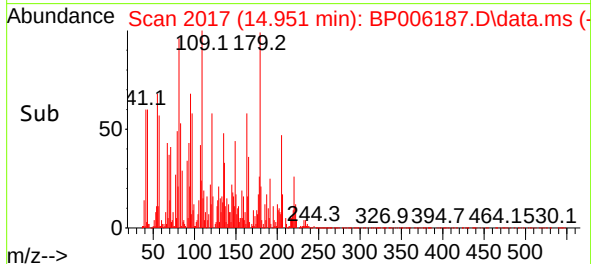
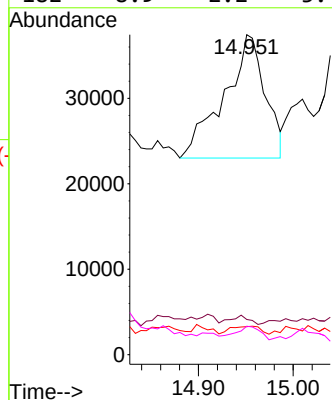
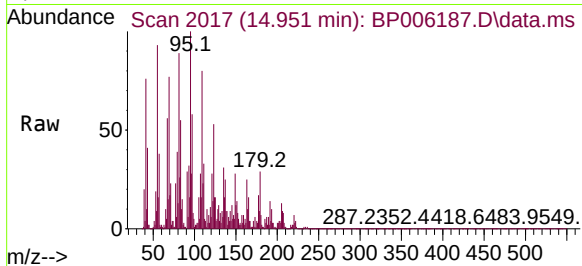




#57
2,4-Dinitrotoluene
Concen: 4.26 ng
RT: 14.951 min Scan# 2017
Delta R.T. 0.065 min
Lab File: BP006187.D
Acq: 12 Jul 2021 18:30

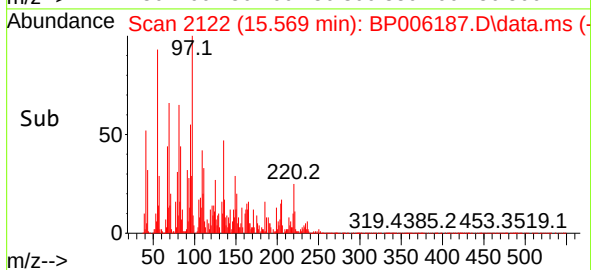
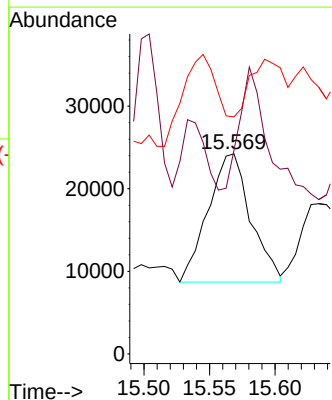
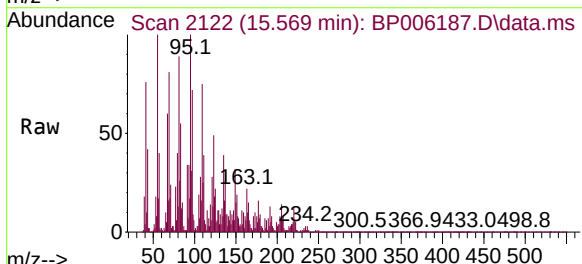
Instrument :
BNA_P
ClientSampleId :
N9994

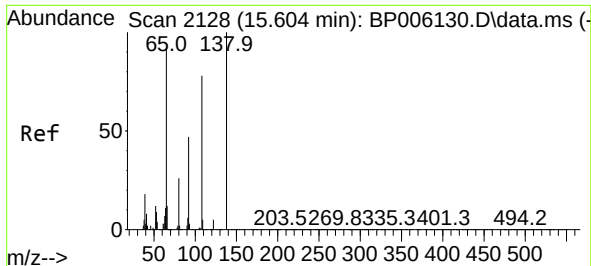
Tgt Ion:165 Resp: 43575
Ion Ratio Lower Upper
165 100
63 11.0 32.3 48.5#
89 8.8 55.9 83.9#
182 8.9 2.2 3.4#



#61
4-Chlorophenyl-phenylether
Concen: 2.41 ng
RT: 15.569 min Scan# 2122
Delta R.T. 0.029 min
Lab File: BP006187.D
Acq: 12 Jul 2021 18:30

Tgt Ion:204 Resp: 35041
Ion Ratio Lower Upper
204 100
206 101.8 26.6 40.0#
141 118.5 48.6 73.0#

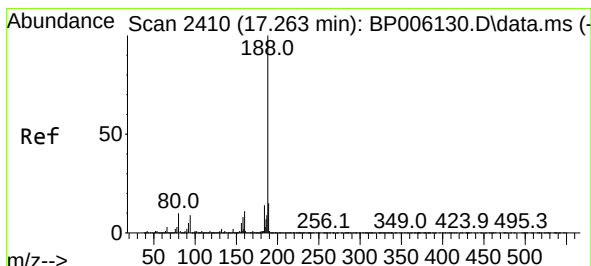
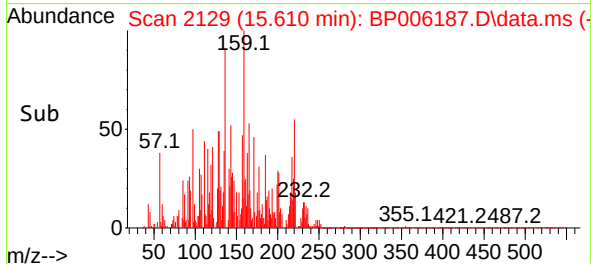
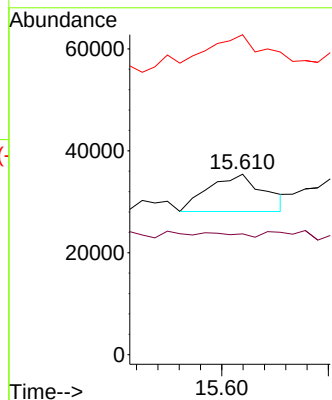
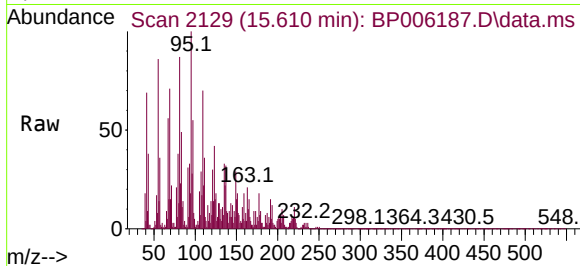




#62
4-Nitroaniline
Concen: 4.54 ng
RT: 15.610 min Scan# 2129
Delta R.T. 0.018 min
Lab File: BP006187.D
Acq: 12 Jul 2021 18:30

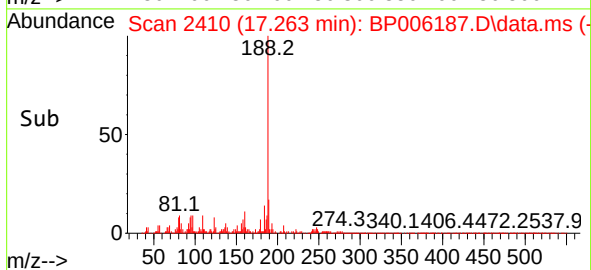
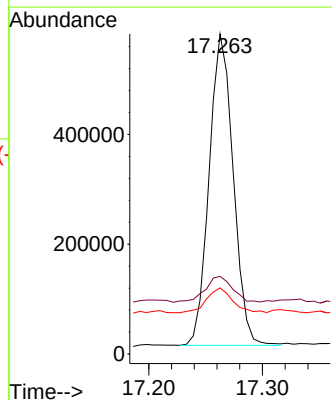
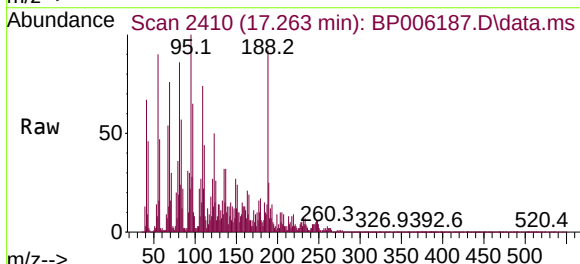
Instrument :
BNA_P
ClientSampled :
N9994

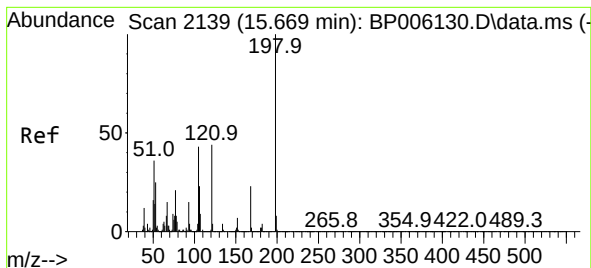
Tgt Ion:138 Resp: 13257
Ion Ratio Lower Upper
138 100
92 66.9 31.2 71.2
108 177.3 78.6 118.6#



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.263 min Scan# 2410
Delta R.T. 0.012 min
Lab File: BP006187.D
Acq: 12 Jul 2021 18:30

Tgt Ion:188 Resp: 835997
Ion Ratio Lower Upper
188 100
94 24.3 5.6 8.4#
80 20.7 6.3 9.5#

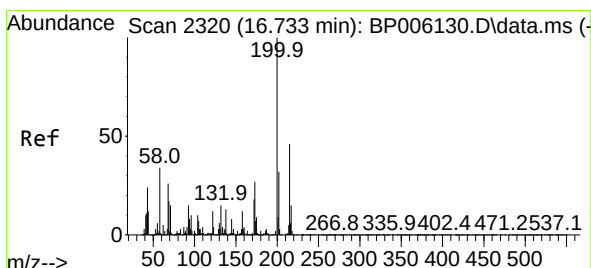
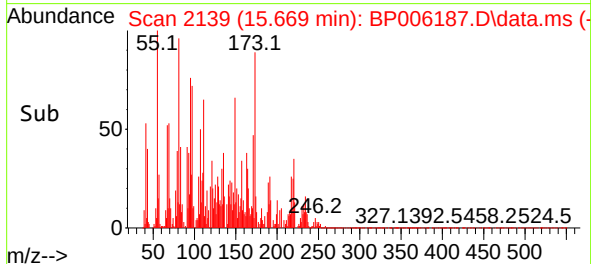
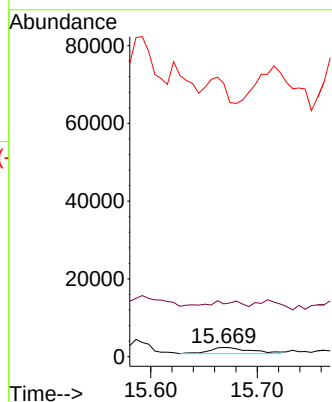
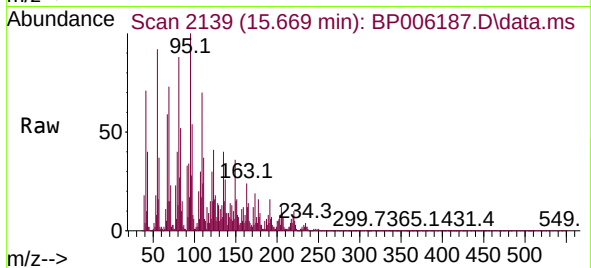




#65
4,6-Dinitro-2-methylphenol
Concen: 5.15 ng
RT: 15.669 min Scan# 2139
Delta R.T. 0.012 min
Lab File: BP006187.D
Acq: 12 Jul 2021 18:30

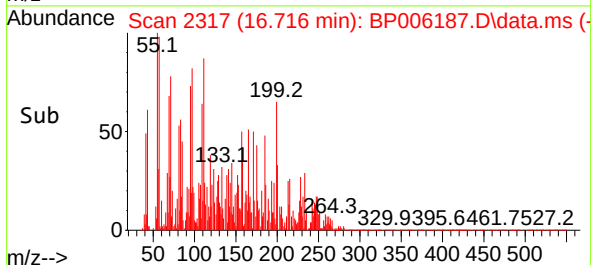
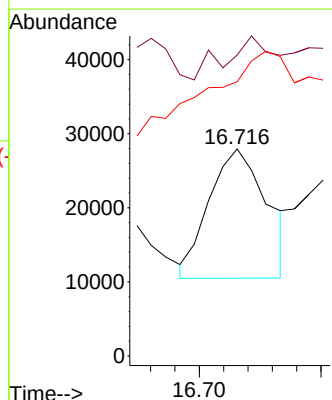
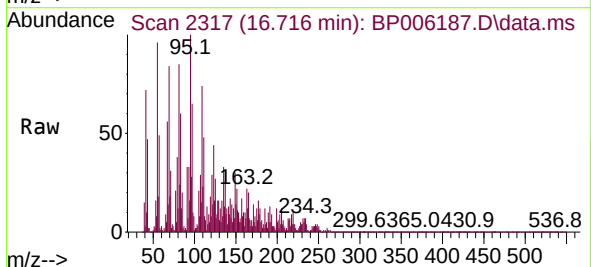
Instrument :
BNA_P
ClientSampleId :
N9994

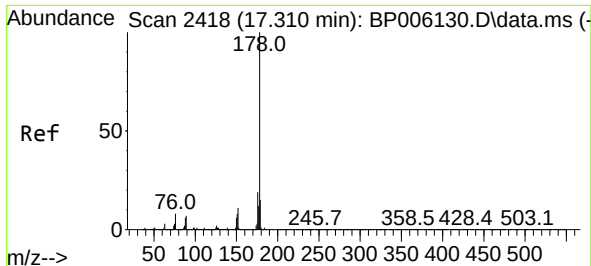
Tgt Ion:198 Resp: 4398
Ion Ratio Lower Upper
198 100
51 570.9 14.0 54.0#
105 2952.1 19.5 59.5#



#69
Atrazine
Concen: 3.35 ng
RT: 16.716 min Scan# 2317
Delta R.T. 0.000 min
Lab File: BP006187.D
Acq: 12 Jul 2021 18:30

Tgt Ion:200 Resp: 28659
Ion Ratio Lower Upper
200 100
173 145.4 4.1 44.1#
215 132.5 27.7 67.7#

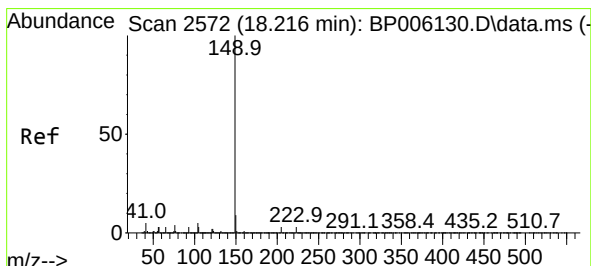
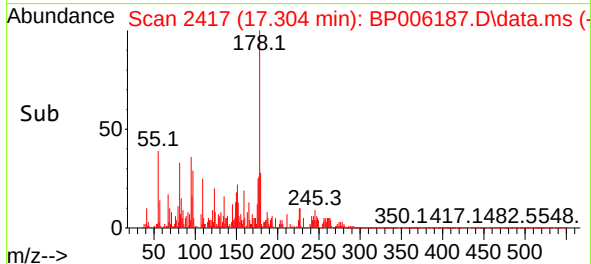
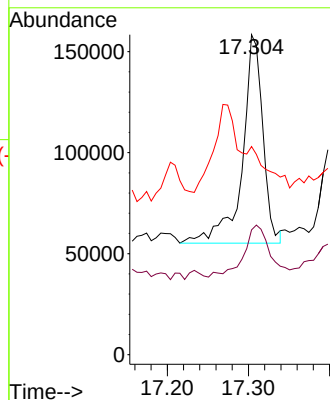
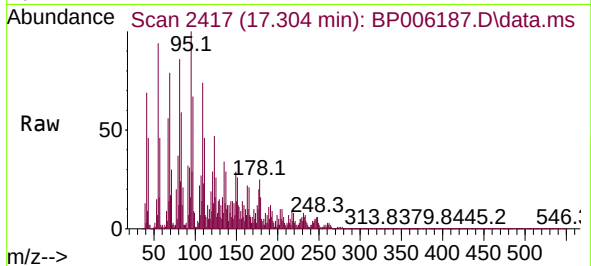




#71
Phenanthrene
Concen: 3.86 ng
RT: 17.304 min Scan# 2417
Delta R.T. 0.012 min
Lab File: BP006187.D
Acq: 12 Jul 2021 18:30

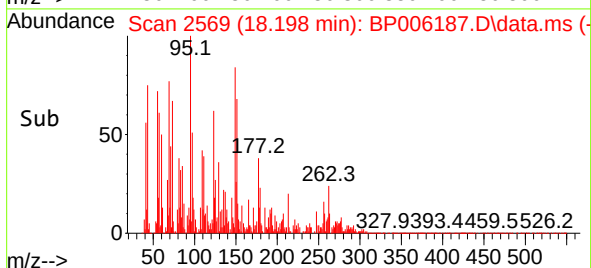
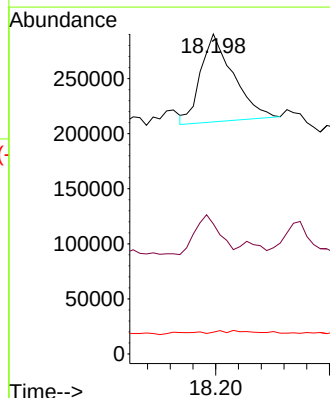
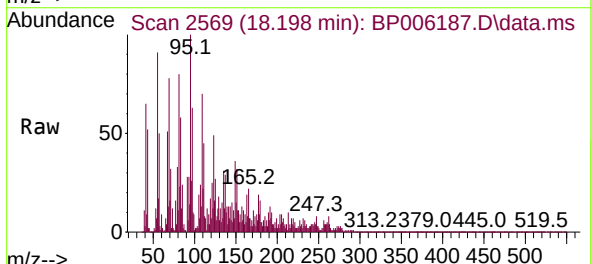
Instrument :
BNA_P
ClientSampleId :
N9994

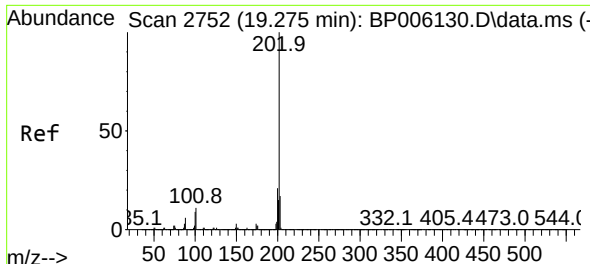
Tgt Ion:178 Resp: 182432
Ion Ratio Lower Upper
178 100
176 39.0 15.1 22.7#
179 65.1 12.4 18.6#



#74
Di-n-butylphthalate
Concen: 2.90 ng
RT: 18.198 min Scan# 2569
Delta R.T. 0.000 min
Lab File: BP006187.D
Acq: 12 Jul 2021 18:30

Tgt Ion:149 Resp: 159960
Ion Ratio Lower Upper
149 100
150 40.7 7.3 10.9#
104 6.8 4.5 6.7#

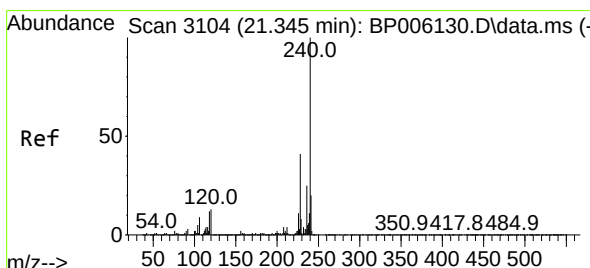
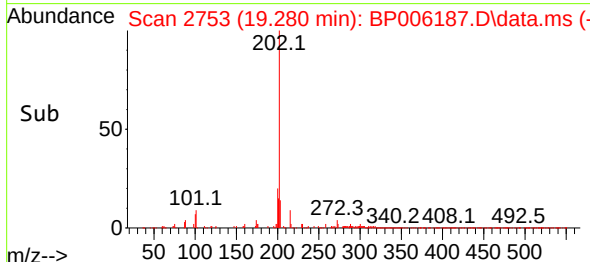
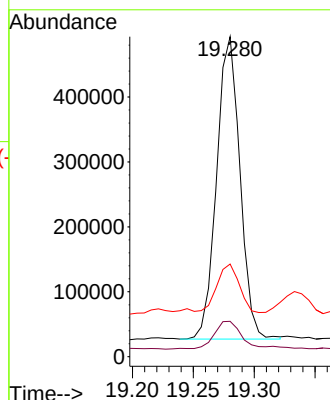
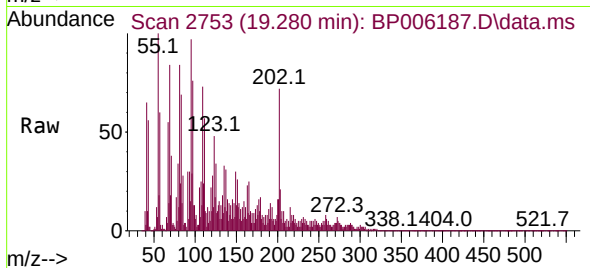




#75
Fluoranthene
Concen: 12.00 ng
RT: 19.280 min Scan# 2753
Delta R.T. 0.024 min
Lab File: BP006187.D
Acq: 12 Jul 2021 18:30

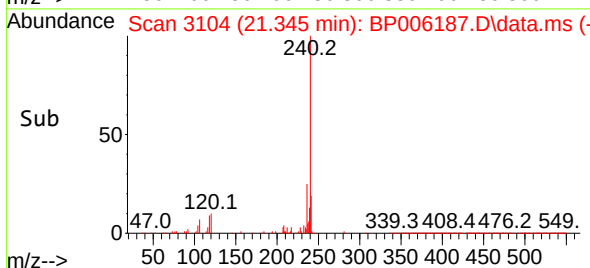
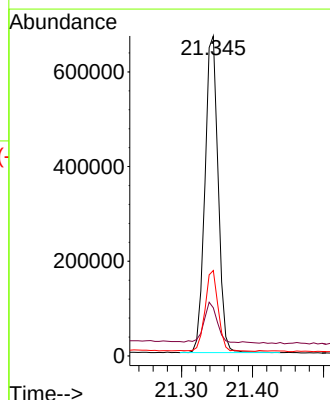
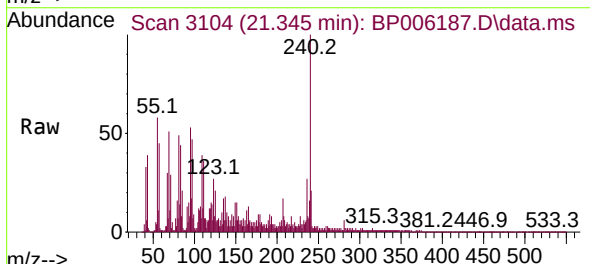
Instrument :
BNA_P
ClientSampleId :
N9994

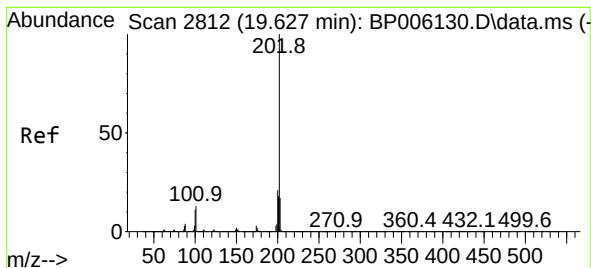
Tgt Ion:	202	Resp:	621137
Ion Ratio	Lower	Upper	
202	100		
101	11.1	0.0	27.6
203	28.9	0.0	37.8



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.345 min Scan# 3104
Delta R.T. 0.018 min
Lab File: BP006187.D
Acq: 12 Jul 2021 18:30

Tgt Ion:	240	Resp:	865622
Ion Ratio	Lower	Upper	
240	100		
120	15.1	6.5	9.7#
236	26.7	20.6	31.0





#78

Pyrene

Concen: 9.63 ng

RT: 19.633 min Scan# 2813

Delta R.T. 0.024 min

Lab File: BP006187.D

Acq: 12 Jul 2021 18:30

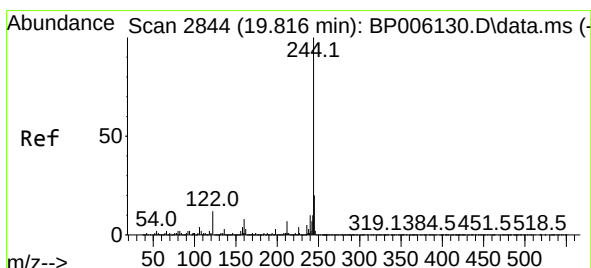
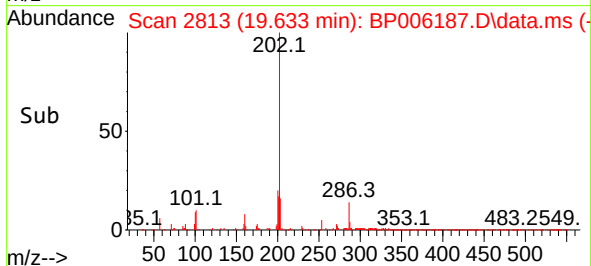
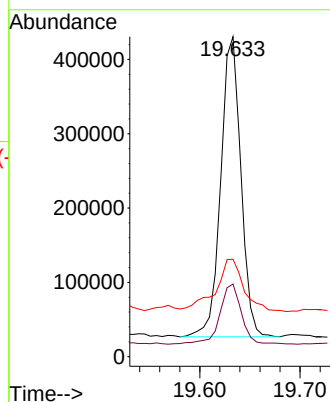
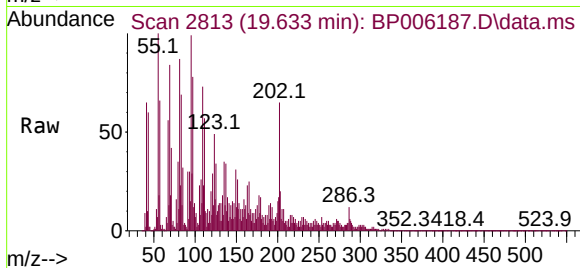
Instrument :

BNA_P

ClientSampleId :

N9994

Tgt Ion:202	Resp: 563331
Ion Ratio	Lower Upper
202	100
200	22.7 16.3 24.5
203	30.5 14.2 21.2#



#79

Terphenyl-d14

Concen: 66.29 ng

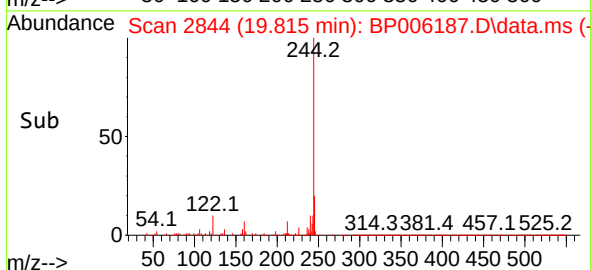
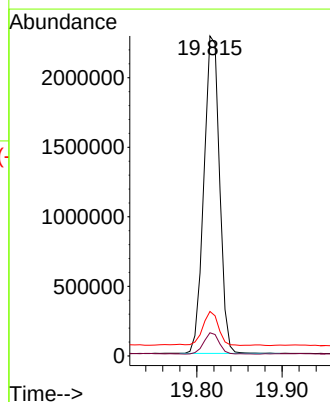
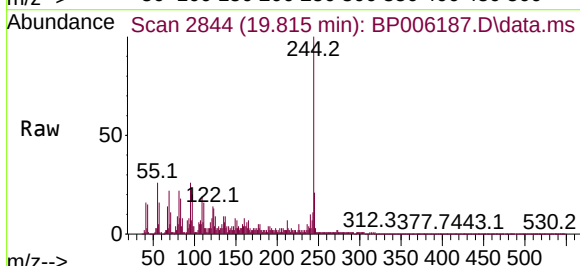
RT: 19.815 min Scan# 2844

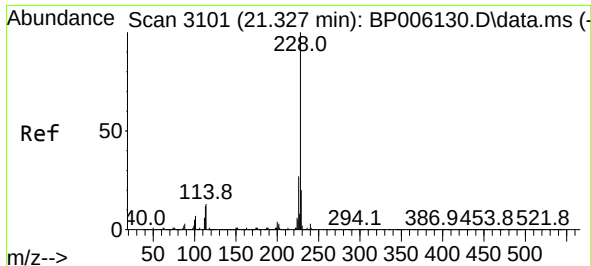
Delta R.T. 0.012 min

Lab File: BP006187.D

Acq: 12 Jul 2021 18:30

Tgt Ion:244	Resp: 2910239
Ion Ratio	Lower Upper
244	100
212	7.3 6.0 9.0
122	13.9 7.1 10.7#

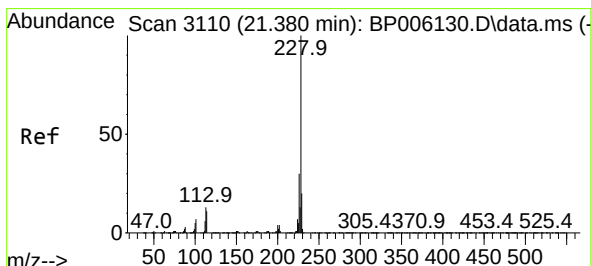
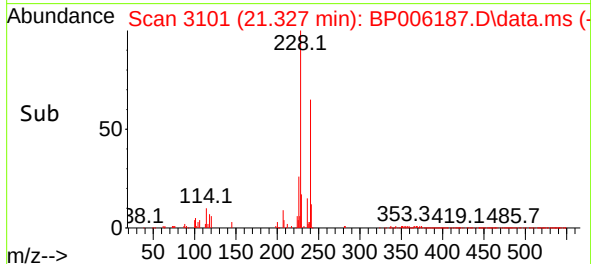
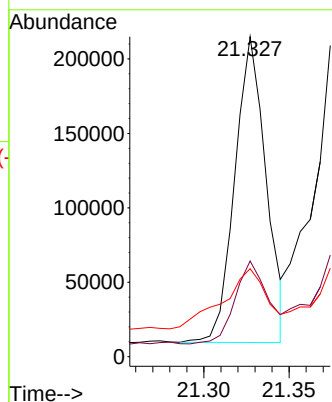
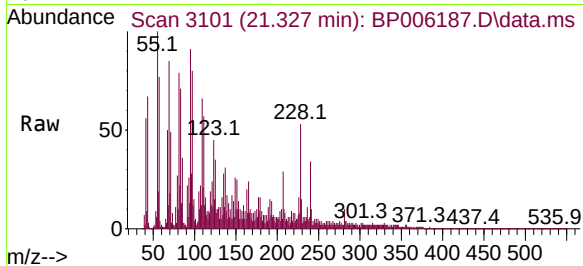




#81
Benzo(a)anthracene
Concen: 4.79 ng
RT: 21.327 min Scan# 3101
Delta R.T. 0.012 min
Lab File: BP006187.D
Acq: 12 Jul 2021 18:30

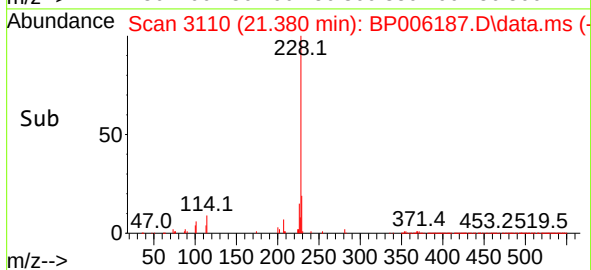
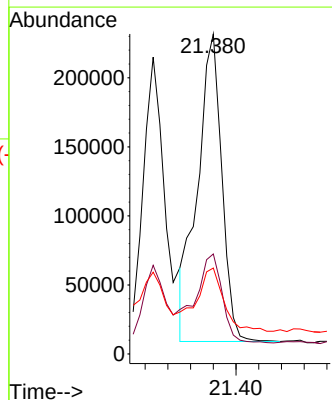
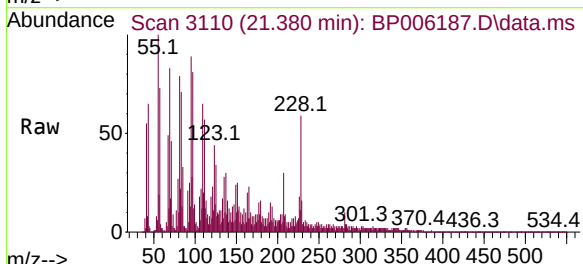
Instrument :
BNA_P
ClientSampled :
N9994

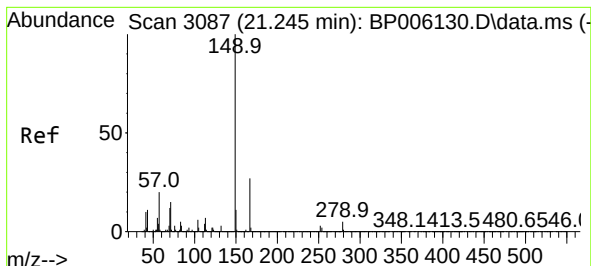
Tgt Ion:228 Resp: 262392
Ion Ratio Lower Upper
228 100
226 29.9 21.6 32.4
229 27.5 15.8 23.6#



#83
Chrysene
Concen: 6.11 ng
RT: 21.380 min Scan# 3110
Delta R.T. 0.012 min
Lab File: BP006187.D
Acq: 12 Jul 2021 18:30

Tgt Ion:228 Resp: 330467
Ion Ratio Lower Upper
228 100
226 31.3 23.8 35.6
229 26.8 15.4 23.2#

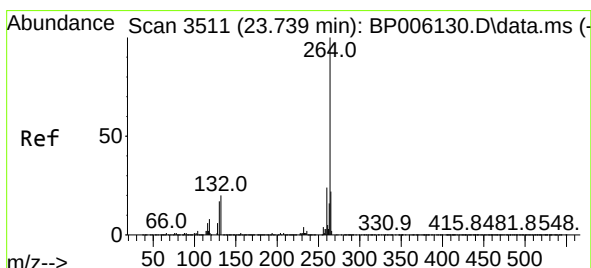
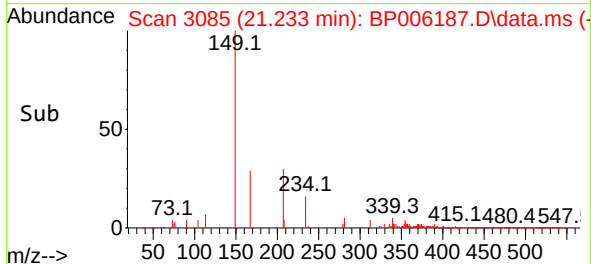
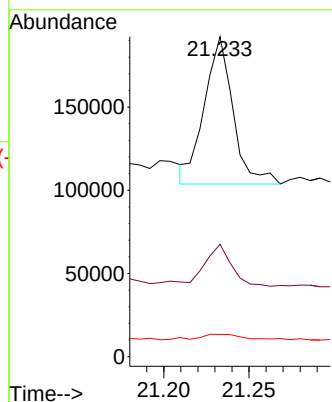
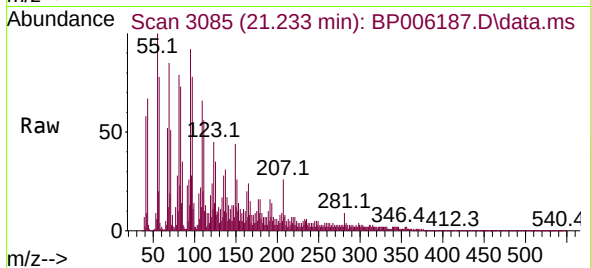




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.41 ng
RT: 21.233 min Scan# 3085
Delta R.T. 0.006 min
Lab File: BP006187.D
Acq: 12 Jul 2021 18:30

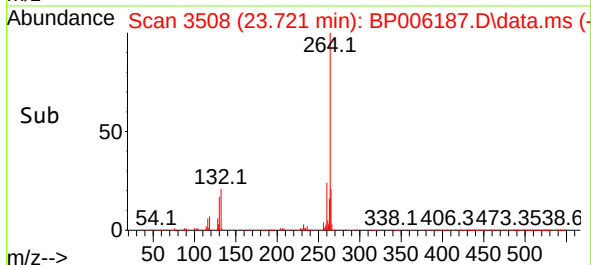
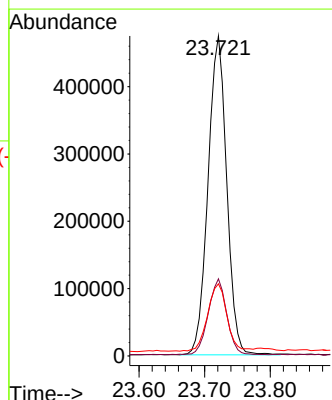
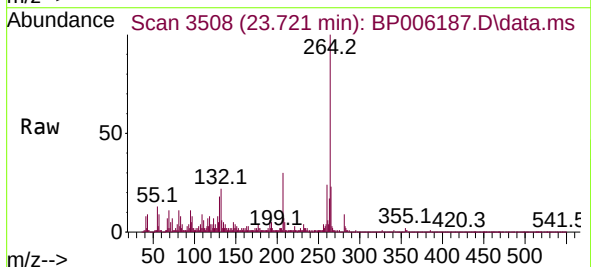
Instrument :
BNA_P
ClientSampleId :
N9994

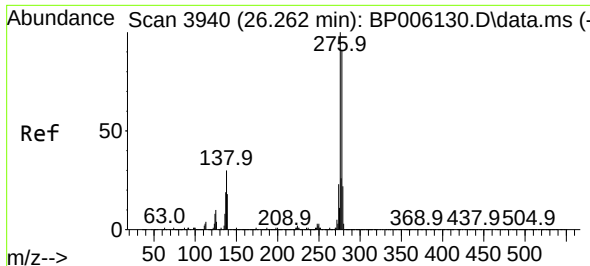
Tgt Ion:149 Resp: 103425
Ion Ratio Lower Upper
149 100
167 35.1 21.9 32.9#
279 7.0 4.3 6.5#



#86
Perylene-d12
Concen: 20.00 ng
RT: 23.721 min Scan# 3508
Delta R.T. 0.006 min
Lab File: BP006187.D
Acq: 12 Jul 2021 18:30

Tgt Ion:264 Resp: 938089
Ion Ratio Lower Upper
264 100
260 24.1 18.6 28.0
265 22.6 17.6 26.4

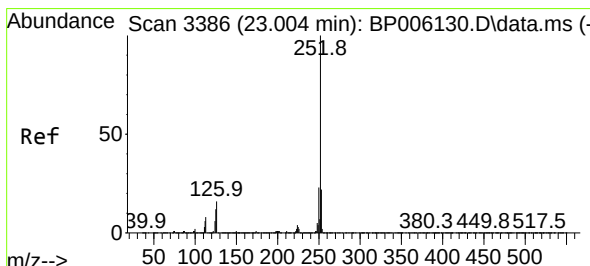
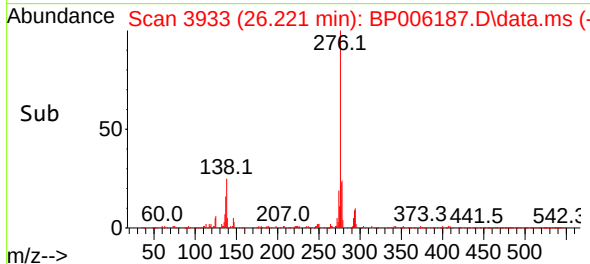
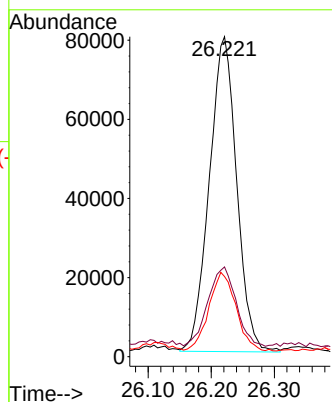
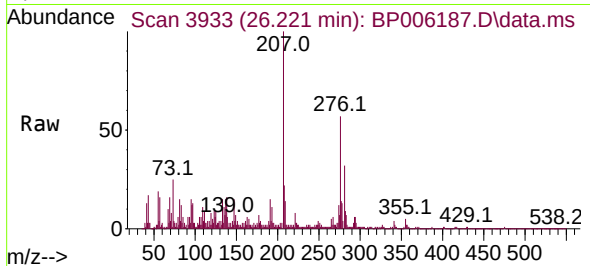




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.47 ng
 RT: 26.221 min Scan# 3933
 Delta R.T. -0.012 min
 Lab File: BP006187.D
 Acq: 12 Jul 2021 18:30

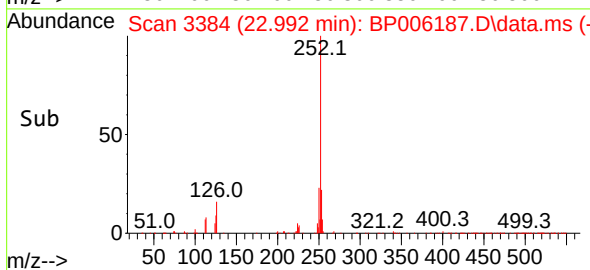
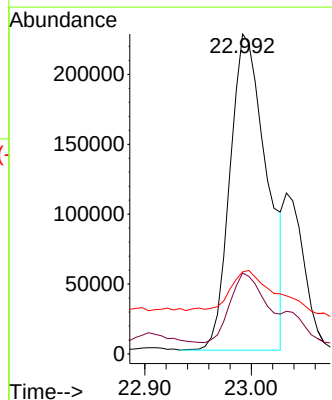
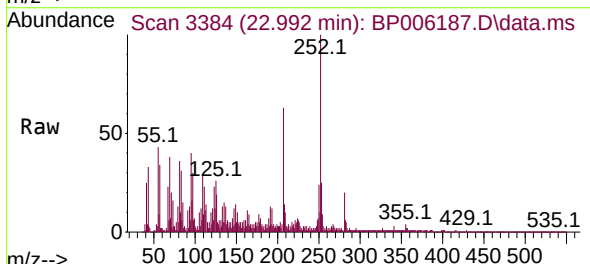
Instrument :
 BNA_P
 ClientSampleId :
 N9994

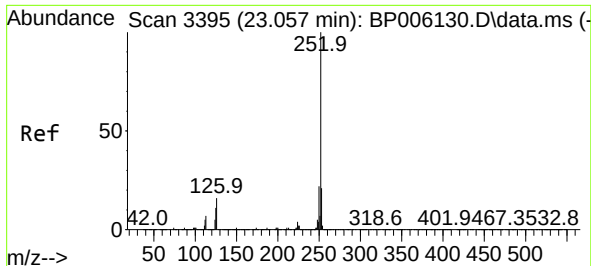
Tgt Ion:276 Resp: 239688
 Ion Ratio Lower Upper
 276 100
 138 26.0 15.3 22.9#
 277 24.5 20.4 30.6



#88
 Benzo(b)fluoranthene
 Concen: 9.51 ng
 RT: 22.992 min Scan# 3384
 Delta R.T. 0.006 min
 Lab File: BP006187.D
 Acq: 12 Jul 2021 18:30

Tgt Ion:252 Resp: 541268
 Ion Ratio Lower Upper
 252 100
 253 25.3 17.5 26.3
 125 25.6 6.2 9.4#

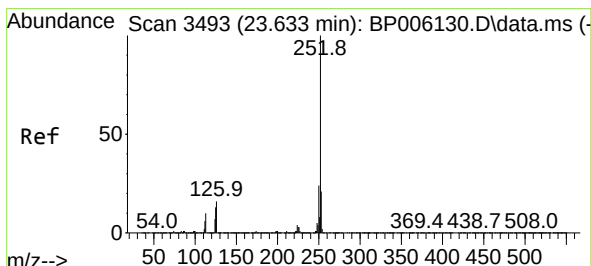
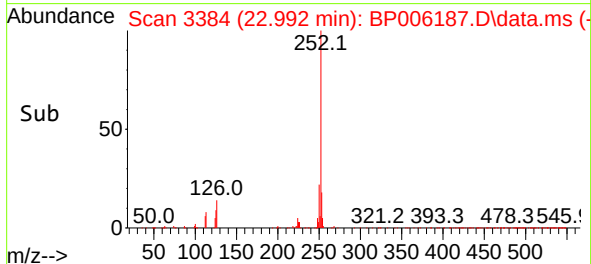
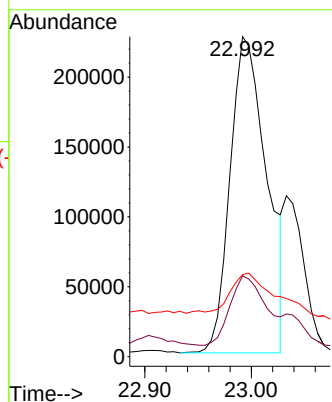
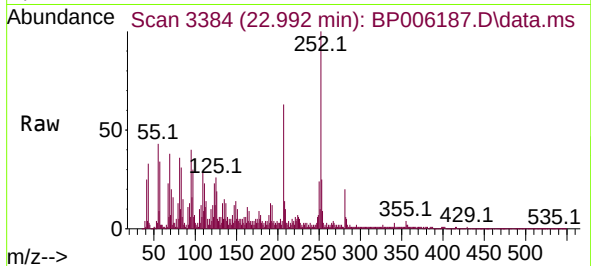




#89
Benzo(k)fluoranthene
Concen: 9.73 ng
RT: 22.992 min Scan# 3384
Delta R.T. -0.041 min
Lab File: BP006187.D
Acq: 12 Jul 2021 18:30

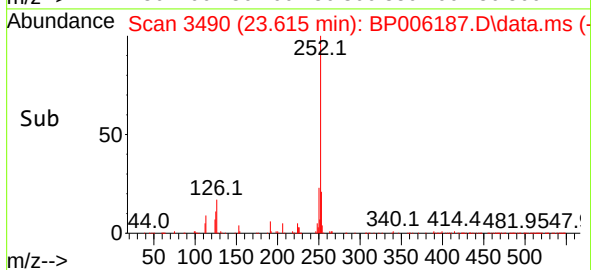
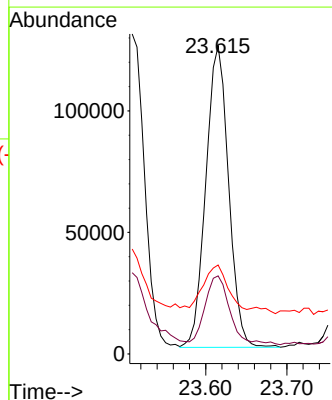
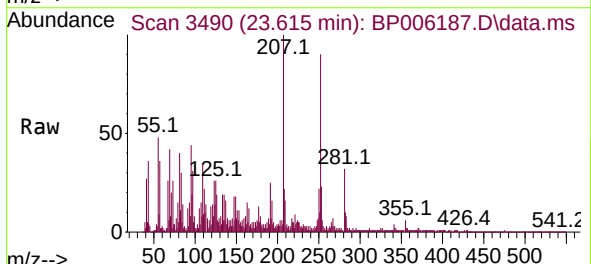
Instrument :
BNA_P
ClientSampled :
N9994

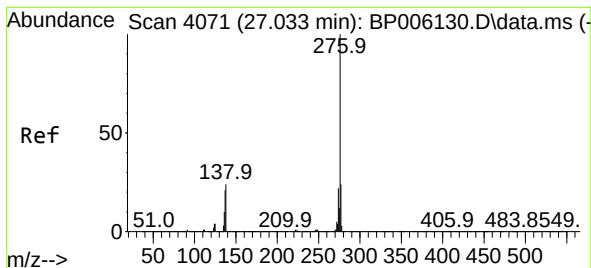
Tgt Ion:252 Resp: 541268
Ion Ratio Lower Upper
252 100
253 25.3 17.6 26.4
125 25.6 6.0 9.0#



#90
Benzo(a)pyrene
Concen: 4.53 ng
RT: 23.615 min Scan# 3490
Delta R.T. 0.006 min
Lab File: BP006187.D
Acq: 12 Jul 2021 18:30

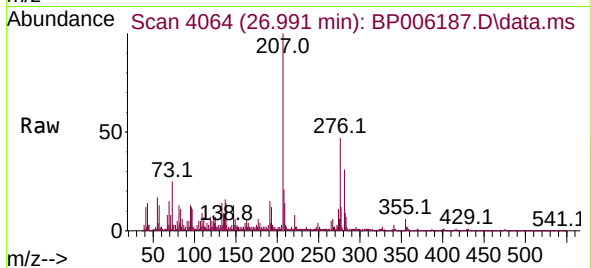
Tgt Ion:252 Resp: 241897
Ion Ratio Lower Upper
252 100
253 25.3 17.9 26.9
125 28.9 6.5 9.7#





#92
 Benzo(g,h,i)perylene
 Concen: 3.98 ng
 RT: 26.991 min Scan# 4064
 Delta R.T. -0.012 min
 Lab File: BP006187.D
 Acq: 12 Jul 2021 18:30

Instrument :
 BNA_P
 ClientSampleId :
 N9994



Tgt Ion:	276	Resp:	233183
Ion Ratio	Lower	Upper	
276	100		
277	25.7	18.9	28.3
138	29.8	12.6	18.8#

