

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP071221\
 Data File : BP006194.D
 Acq On : 12 Jul 2021 22:29
 Operator : CG/JU
 Sample : M2998-01 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 VNJ-231

Quant Time: Jul 13 04:18:07 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)

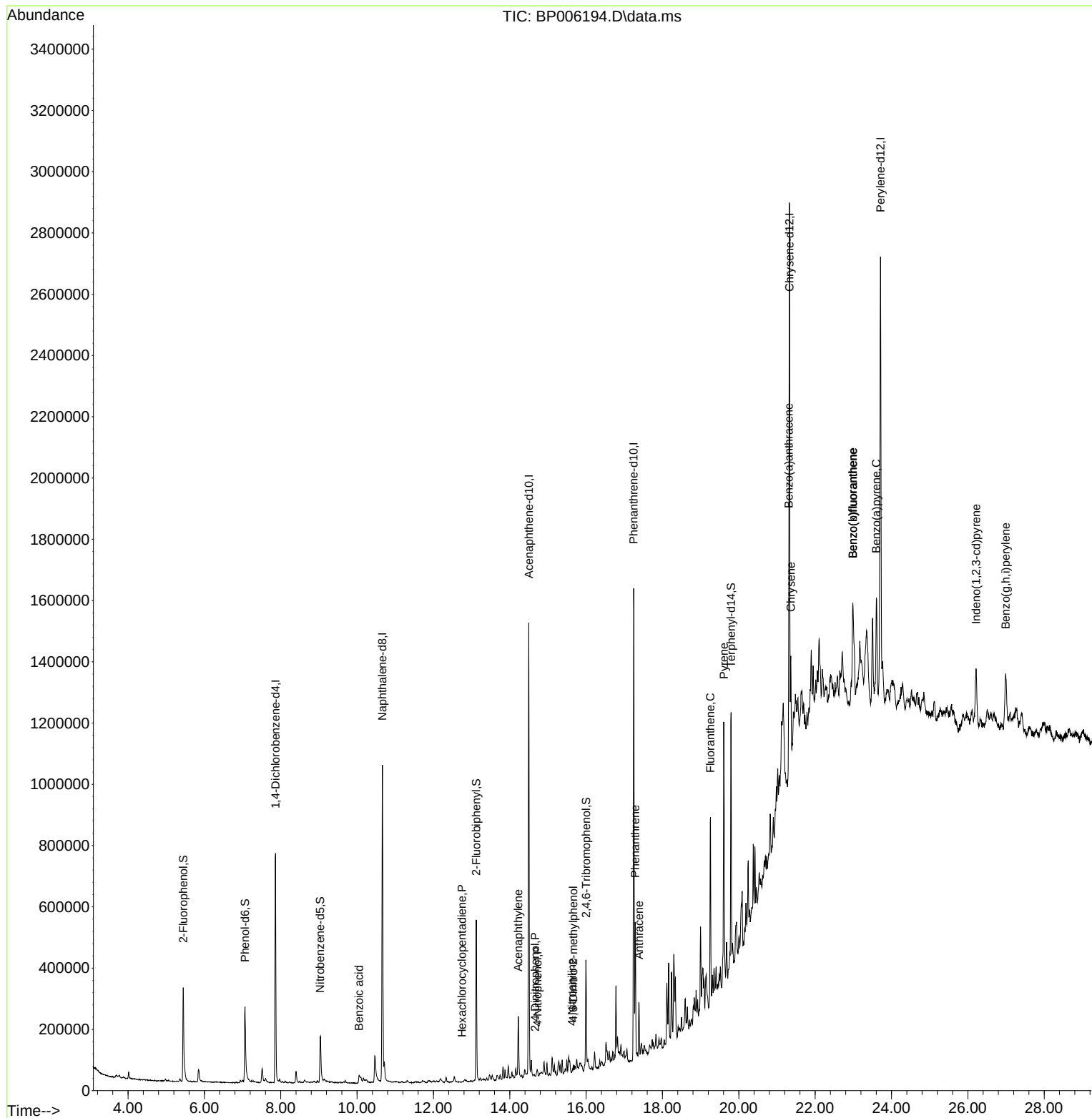
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.863	152	234371	20.00	ng	0.00
21) Naphthalene-d8	10.663	136	937961	20.00	ng	0.00
39) Acenaphthene-d10	14.498	164	492862	20.00	ng	0.00
64) Phenanthrene-d10	17.245	188	898152	20.00	ng	# 0.00
76) Chrysene-d12	21.327	240	798653	20.00	ng	# 0.00
86) Perylene-d12	23.710	264	941963	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	180856	13.28	ng	0.00
7) Phenol-d6	7.063	99	209696	11.64	ng	0.02
23) Nitrobenzene-d5	9.034	82	116293	7.83	ng	0.00
42) 2,4,6-Tribromophenol	15.998	330	68901	11.74	ng	0.00
45) 2-Fluorobiphenyl	13.122	172	278878	8.36	ng	0.00
79) Terphenyl-d14	19.798	244	348196	8.60	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	10.052	122	61	6.91	ng	# 1
41) Hexachlorocyclopentadiene	12.746	237	18	8.71	ng	84
49) Acenaphthylene	14.222	152	152613	3.33	ng	99
54) 2,4-Dinitrophenol	14.663	184	188	8.92	ng	# 23
56) 4-Nitrophenol	14.728	139	552	7.21	ng	# 71
62) 4-Nitroaniline	15.634	138	91	2.97	ng	83
65) 4,6-Dinitro-2-methylph...	15.663	198	117	4.44	ng	# 1
71) Phenanthrene	17.286	178	260381	5.13	ng	97
72) Anthracene	17.386	178	121369	2.44	ng	98
75) Fluoranthene	19.257	202	313014	5.63	ng	96
78) Pyrene	19.610	202	496420	9.20	ng	99
81) Benzo(a)anthracene	21.310	228	208902	4.14	ng	# 90
83) Chrysene	21.363	228	216583	4.34	ng	# 95
87) Indeno(1,2,3-cd)pyrene	26.215	276	183757	2.65	ng	# 92
88) Benzo(b)fluoranthene	22.986	252	272946	4.78	ng	# 87
89) Benzo(k)fluoranthene	22.986	252	272946	4.89	ng	# 87
90) Benzo(a)pyrene	23.604	252	251354	4.69	ng	# 89
92) Benzo(g,h,i)perylene	26.992	276	220336	3.74	ng	# 89

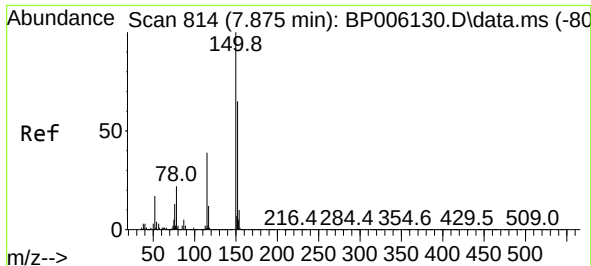
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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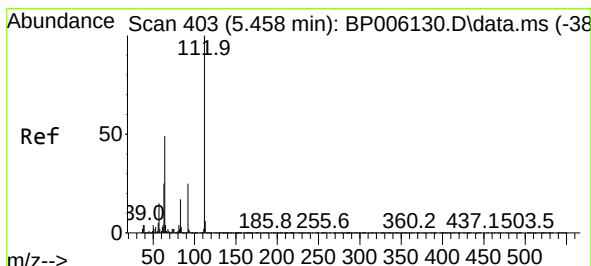
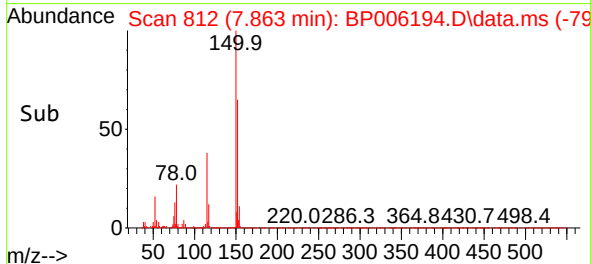
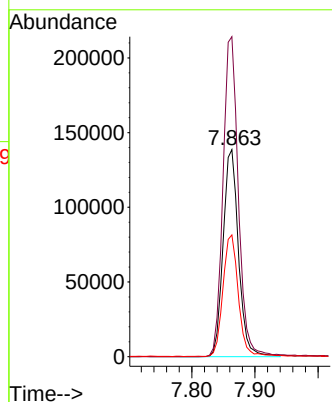
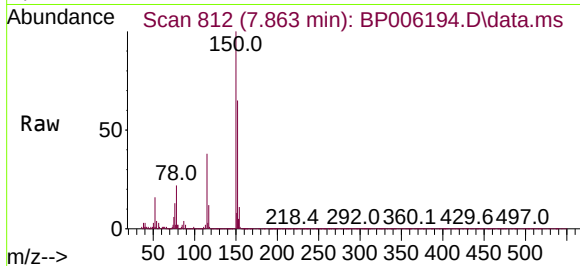




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.863 min Scan# 812
Delta R.T. 0.000 min
Lab File: BP006194.D
Acq: 12 Jul 2021 22:29

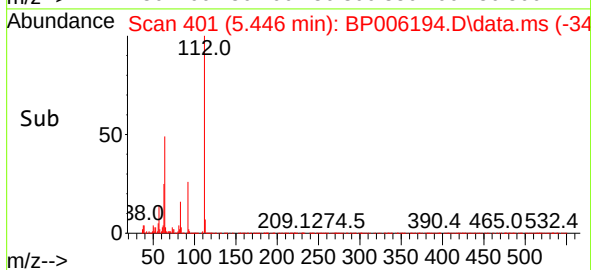
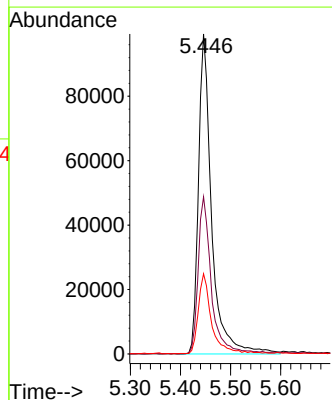
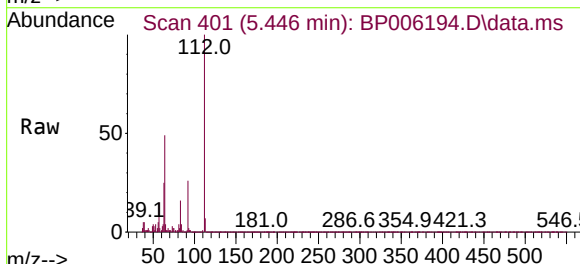
Instrument :
BNA_P
ClientSampleId :
VNJ-231

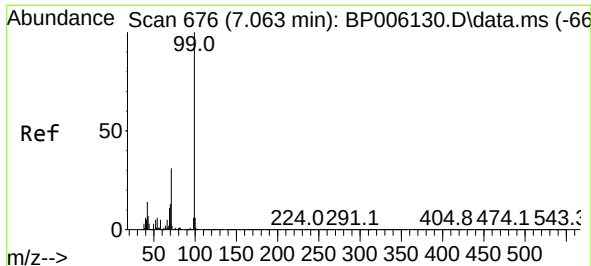
Tgt Ion:152 Resp: 234371
Ion Ratio Lower Upper
152 100
150 154.5 125.6 188.4
115 58.8 48.5 72.7



#5
2-Fluorophenol
Concen: 13.28 ng
RT: 5.446 min Scan# 401
Delta R.T. 0.006 min
Lab File: BP006194.D
Acq: 12 Jul 2021 22:29

Tgt Ion:112 Resp: 180856
Ion Ratio Lower Upper
112 100
64 49.1 41.4 62.2
63 25.0 23.8 35.8

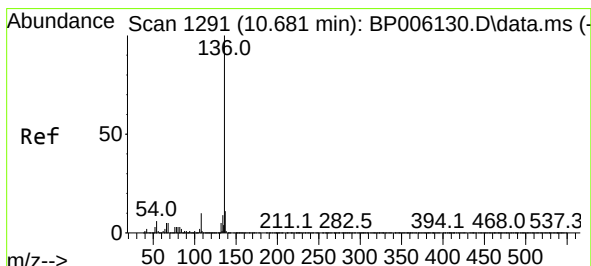
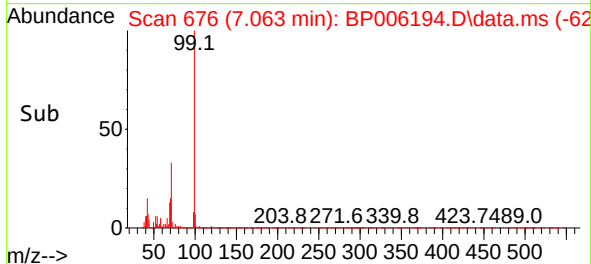
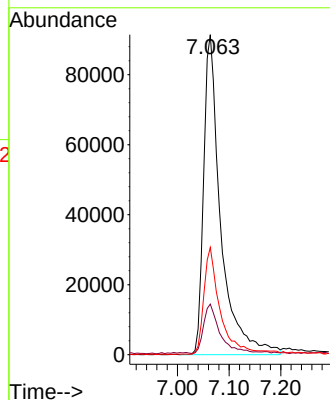
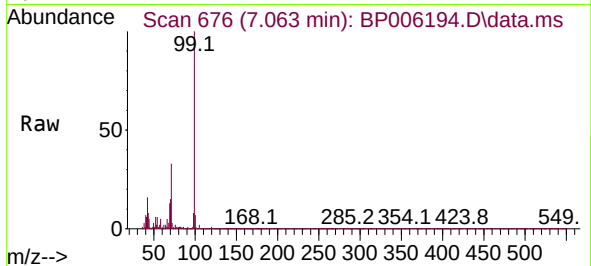




#7
Phenol-d6
Concen: 11.64 ng
RT: 7.063 min Scan# 676
Delta R.T. 0.018 min
Lab File: BP006194.D
Acq: 12 Jul 2021 22:29

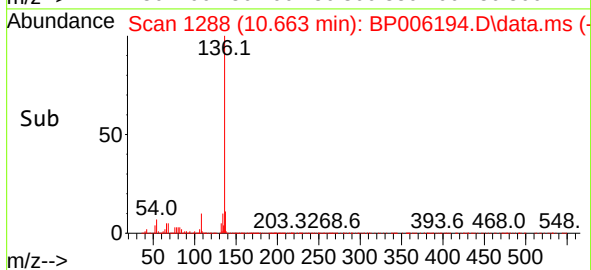
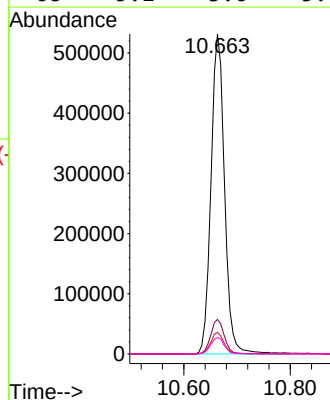
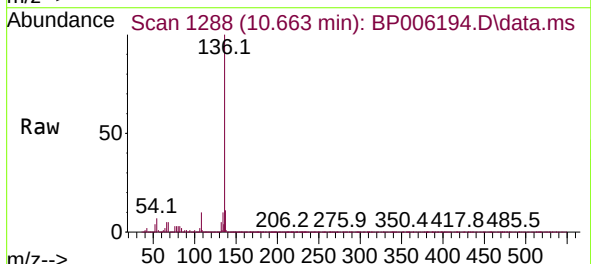
Instrument :
BNA_P
ClientSampleId :
VNJ-231

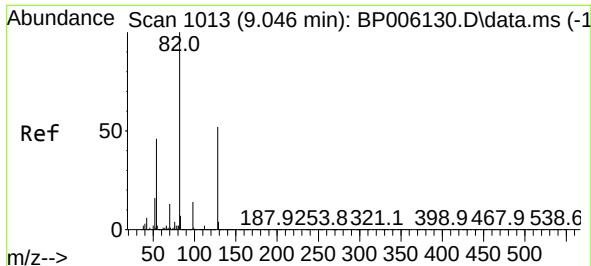
Tgt Ion:	99	Resp:	209696
Ion	Ratio	Lower	Upper
99	100		
42	15.8	13.4	20.0
71	33.5	30.6	46.0



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.663 min Scan# 1288
Delta R.T. 0.000 min
Lab File: BP006194.D
Acq: 12 Jul 2021 22:29

Tgt Ion:	136	Resp:	937961
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	12.8
54	6.8	4.6	6.8
68	5.1	3.6	5.4

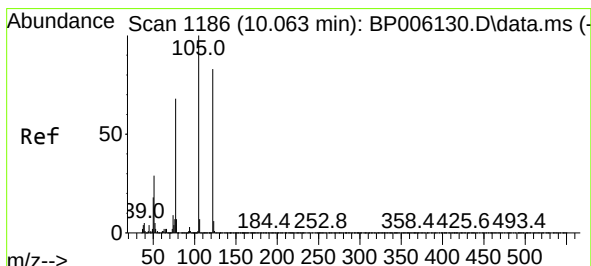
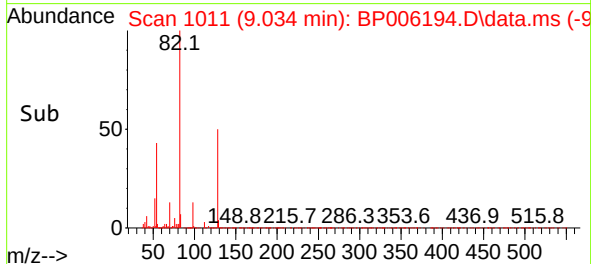
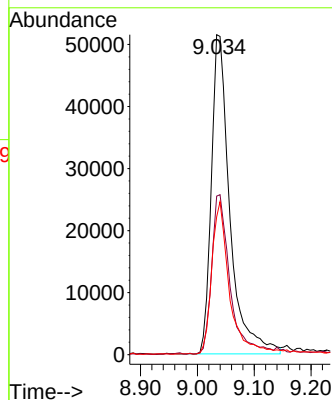
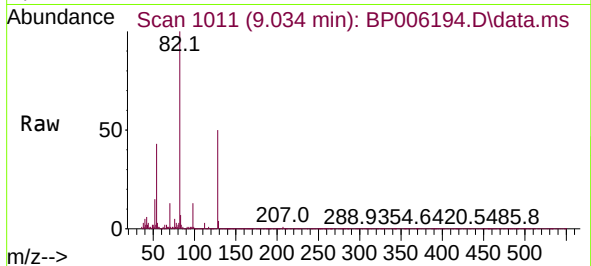




#23
Nitrobenzene-d5
Concen: 7.83 ng
RT: 9.034 min Scan# 1011
Delta R.T. 0.000 min
Lab File: BP006194.D
Acq: 12 Jul 2021 22:29

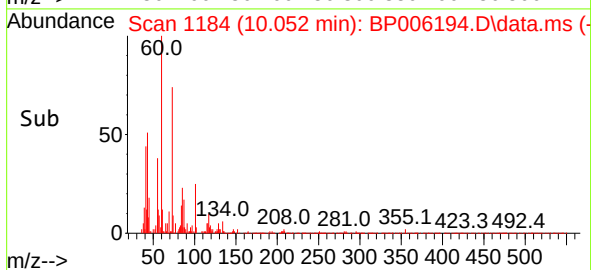
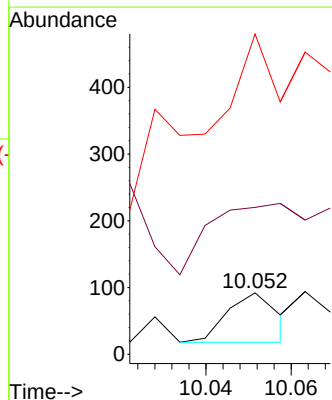
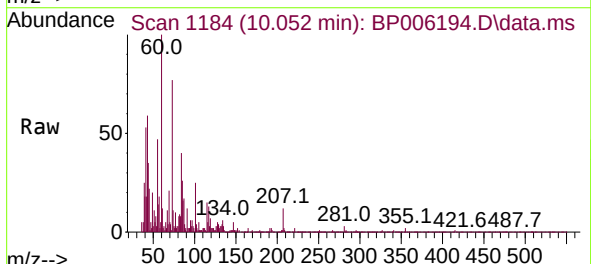
Instrument :
BNA_P
ClientSampleId :
VNJ-231

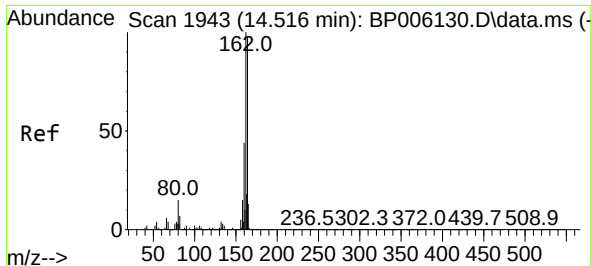
Tgt Ion: 82 Resp: 116293
Ion Ratio Lower Upper
82 100
128 49.6 35.7 53.5
54 43.1 35.0 52.4



#32
Benzoic acid
Concen: 6.91 ng
RT: 10.052 min Scan# 1184
Delta R.T. -0.011 min
Lab File: BP006194.D
Acq: 12 Jul 2021 22:29

Tgt Ion: 122 Resp: 61
Ion Ratio Lower Upper
122 100
105 239.1 103.2 143.2#
77 521.7 76.2 116.2#

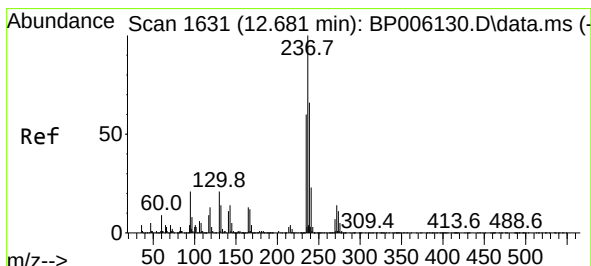
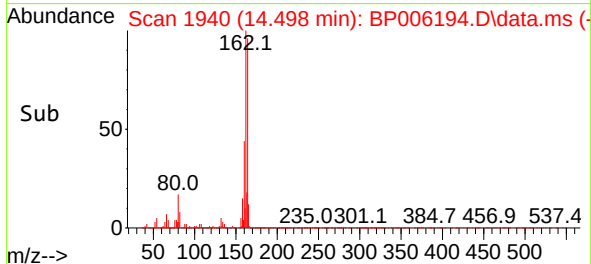
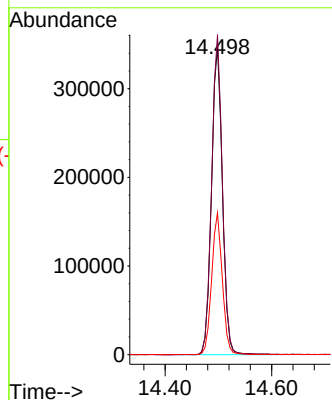
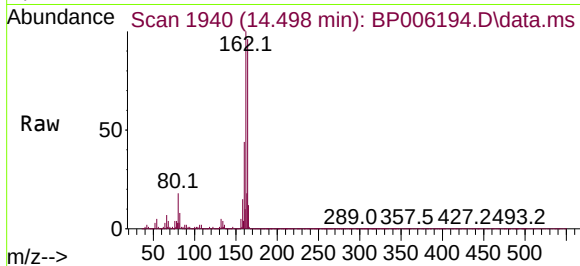




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.498 min Scan# 1940
Delta R.T. 0.000 min
Lab File: BP006194.D
Acq: 12 Jul 2021 22:29

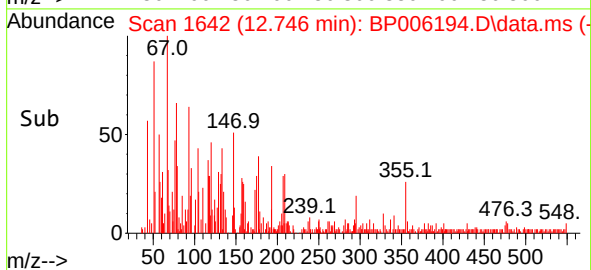
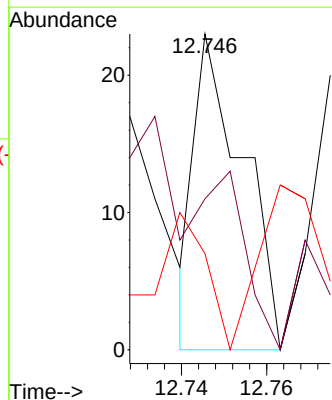
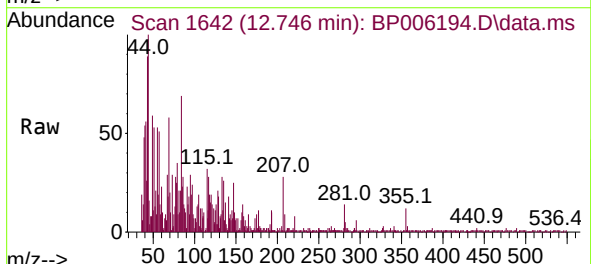
Instrument :
BNA_P
ClientSampled :
VNJ-231

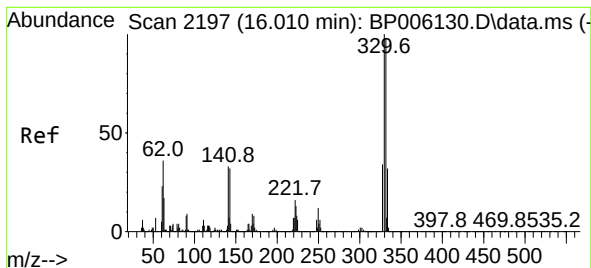
Tgt Ion:164 Resp: 492862
Ion Ratio Lower Upper
164 100
162 104.1 80.2 120.2
160 46.1 34.5 51.7



#41
Hexachlorocyclopentadiene
Concen: 8.71 ng
RT: 12.746 min Scan# 1642
Delta R.T. 0.077 min
Lab File: BP006194.D
Acq: 12 Jul 2021 22:29

Tgt Ion:237 Resp: 18
Ion Ratio Lower Upper
237 100
235 56.5 44.5 84.5
272 30.4 0.0 32.5

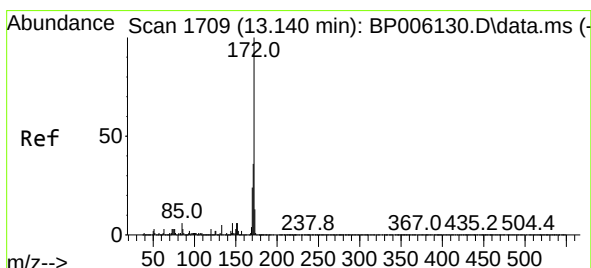
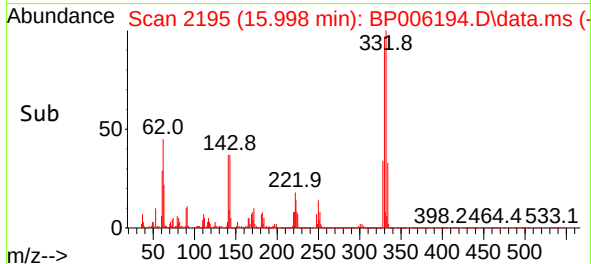
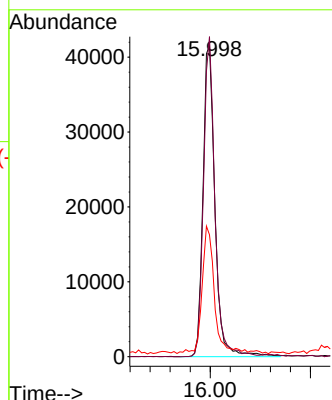
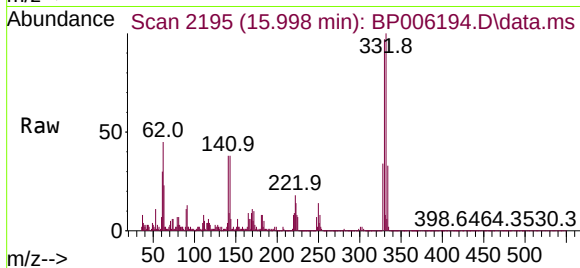




#42
2,4,6-Tribromophenol
Concen: 11.74 ng
RT: 15.998 min Scan# 2195
Delta R.T. 0.000 min
Lab File: BP006194.D
Acq: 12 Jul 2021 22:29

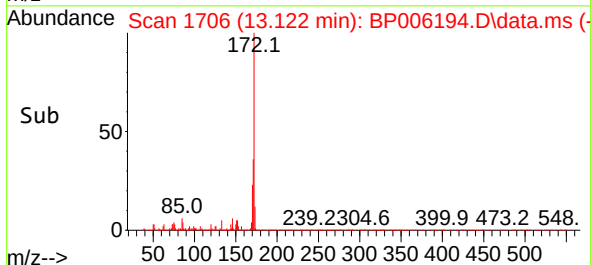
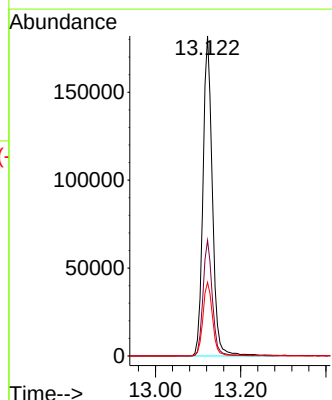
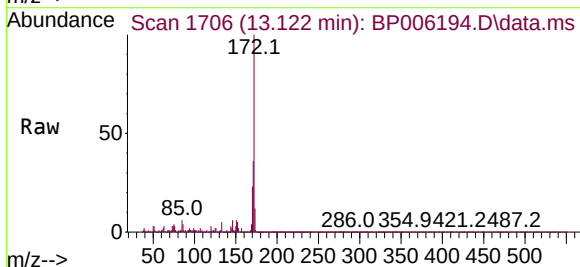
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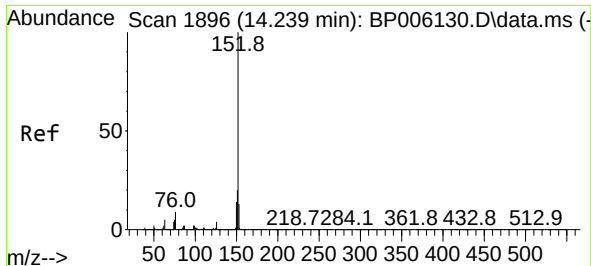
Tgt Ion: 330 Resp: 68901
Ion Ratio Lower Upper
330 100
332 98.0 77.8 116.8
141 39.7 25.4 38.2#



#45
2-Fluorobiphenyl
Concen: 8.36 ng
RT: 13.122 min Scan# 1706
Delta R.T. 0.000 min
Lab File: BP006194.D
Acq: 12 Jul 2021 22:29

Tgt Ion: 172 Resp: 278878
Ion Ratio Lower Upper
172 100
171 36.2 27.9 41.9
170 23.0 18.6 27.8

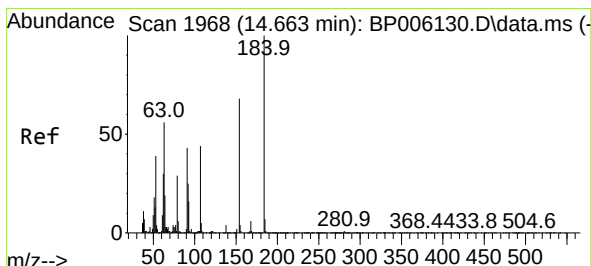
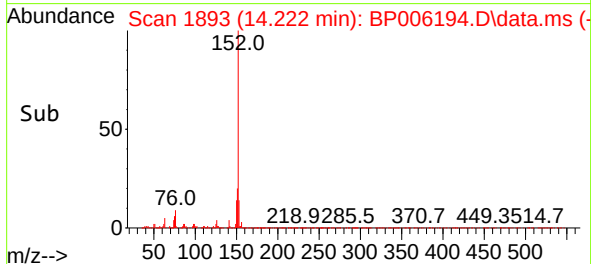
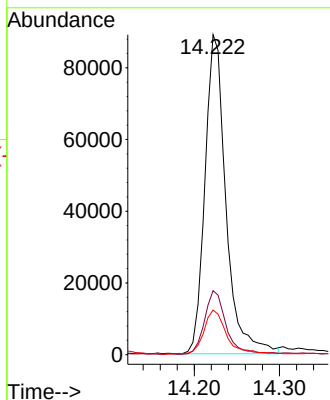
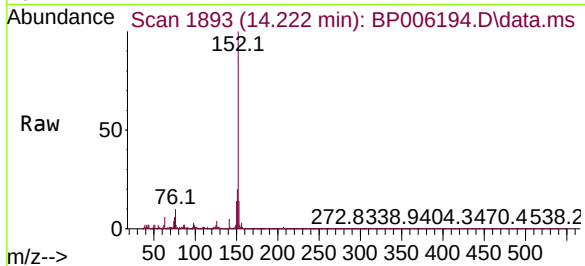




#49
Acenaphthylene
Concen: 3.33 ng
RT: 14.222 min Scan# 1893
Delta R.T. 0.000 min
Lab File: BP006194.D
Acq: 12 Jul 2021 22:29

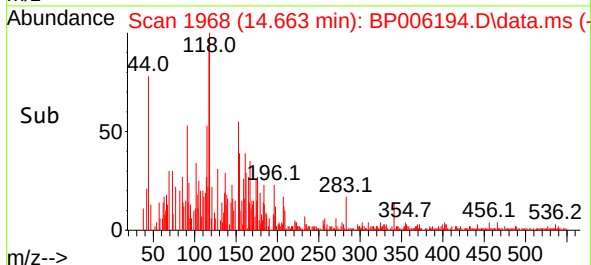
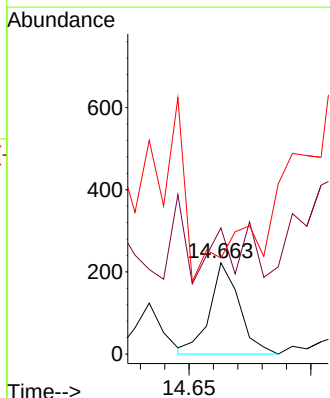
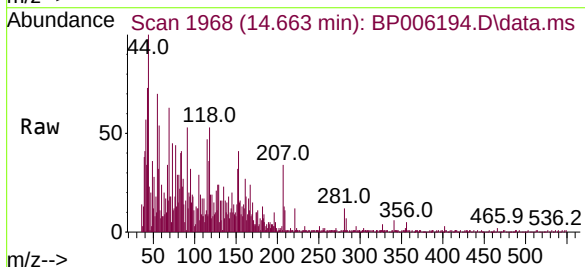
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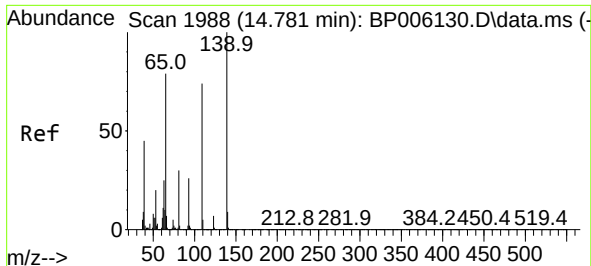
Tgt Ion:152 Resp: 152613
Ion Ratio Lower Upper
152 100
151 20.0 16.2 24.2
153 13.9 10.6 16.0



#54
2,4-Dinitrophenol
Concen: 8.92 ng
RT: 14.663 min Scan# 1968
Delta R.T. 0.006 min
Lab File: BP006194.D
Acq: 12 Jul 2021 22:29

Tgt Ion:184 Resp: 188
Ion Ratio Lower Upper
184 100
63 138.3 47.0 70.6#
154 105.4 52.3 78.5#

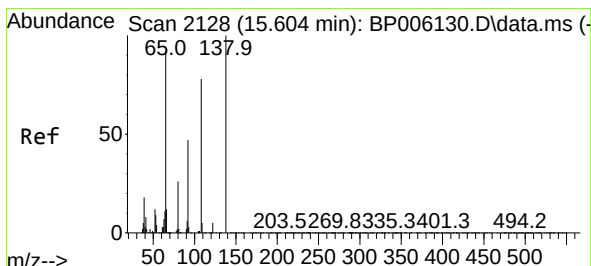
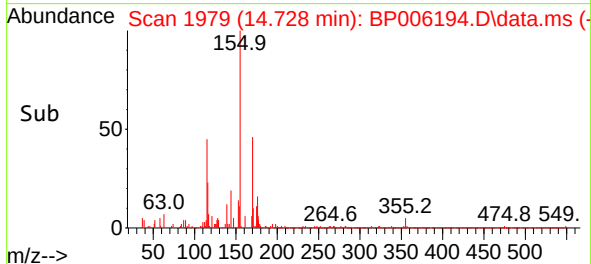
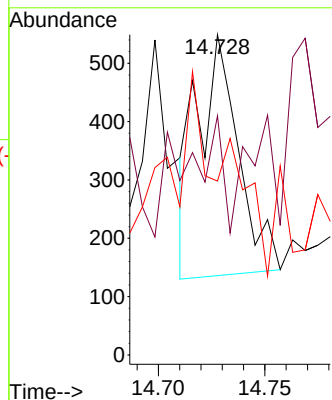
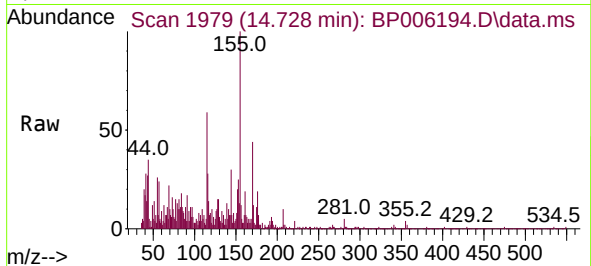




#56
4-Nitrophenol
Concen: 7.21 ng
RT: 14.728 min Scan# 1979
Delta R.T. -0.041 min
Lab File: BP006194.D
Acq: 12 Jul 2021 22:29

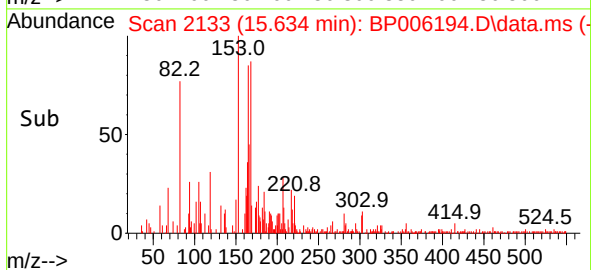
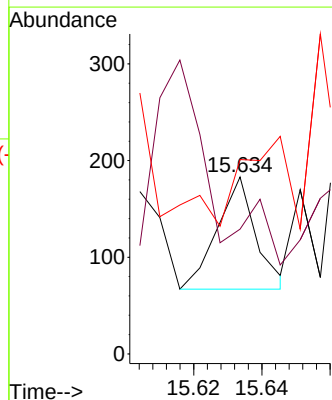
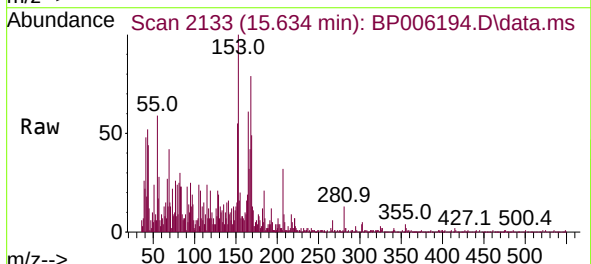
Instrument :
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VNJ-231

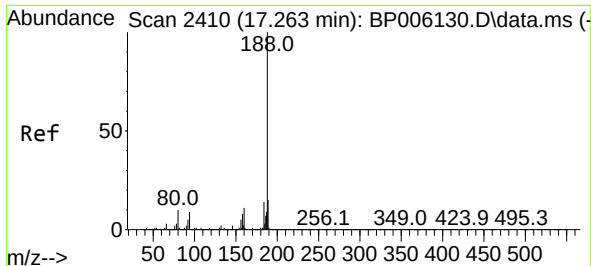
Tgt Ion:139 Resp: 552
Ion Ratio Lower Upper
139 100
109 74.7 72.3 112.3
65 54.3 72.5 112.5#



#62
4-Nitroaniline
Concen: 2.97 ng
RT: 15.634 min Scan# 2133
Delta R.T. 0.042 min
Lab File: BP006194.D
Acq: 12 Jul 2021 22:29

Tgt Ion:138 Resp: 91
Ion Ratio Lower Upper
138 100
92 70.5 31.2 71.2
108 109.8 78.6 118.6

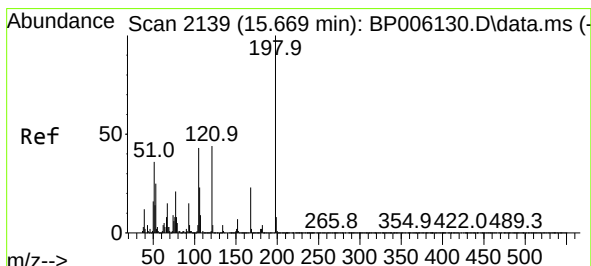
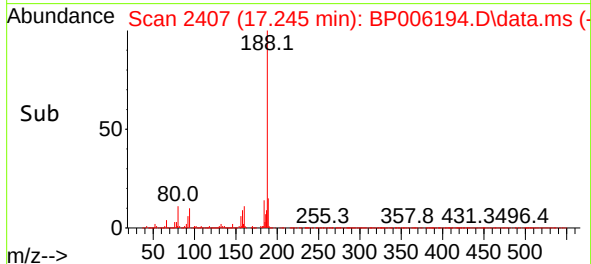
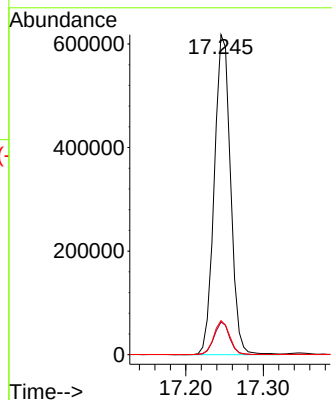
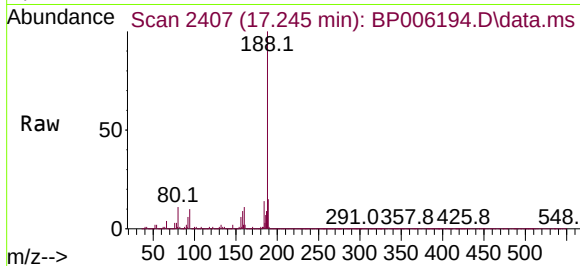




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.245 min Scan# 2407
Delta R.T. -0.006 min
Lab File: BP006194.D
Acq: 12 Jul 2021 22:29

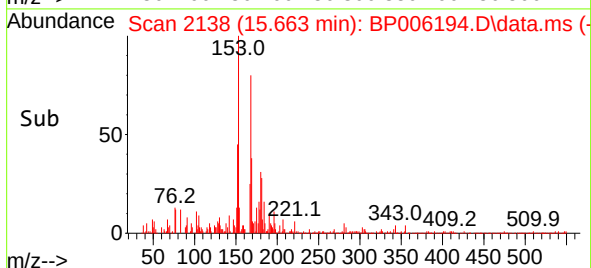
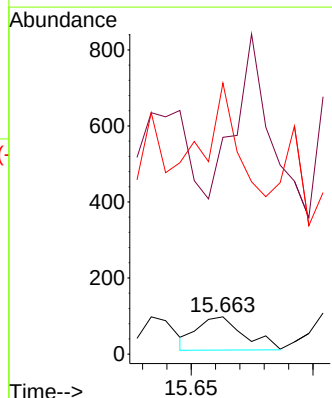
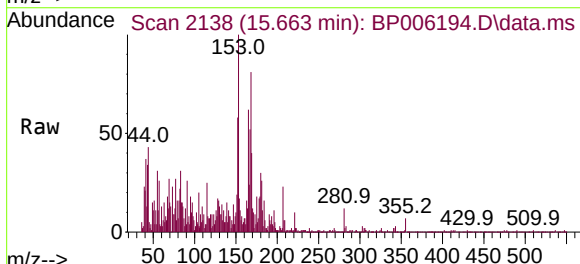
Instrument :
BNA_P
ClientSampleId :
VNJ-231

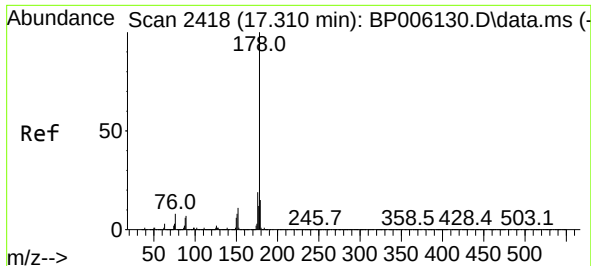
Tgt Ion:188 Resp: 898152
Ion Ratio Lower Upper
188 100
94 10.2 5.6 8.4#
80 10.6 6.3 9.5#



#65
4,6-Dinitro-2-methylphenol
Concen: 4.44 ng
RT: 15.663 min Scan# 2138
Delta R.T. 0.006 min
Lab File: BP006194.D
Acq: 12 Jul 2021 22:29

Tgt Ion:198 Resp: 117
Ion Ratio Lower Upper
198 100
51 581.6 14.0 54.0#
105 727.6 19.5 59.5#

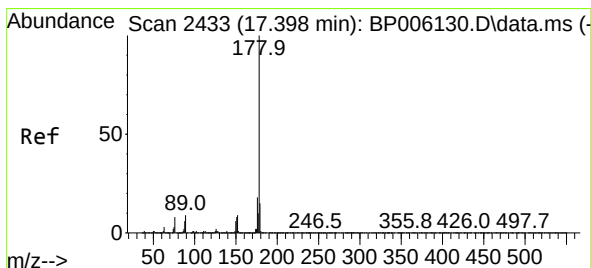
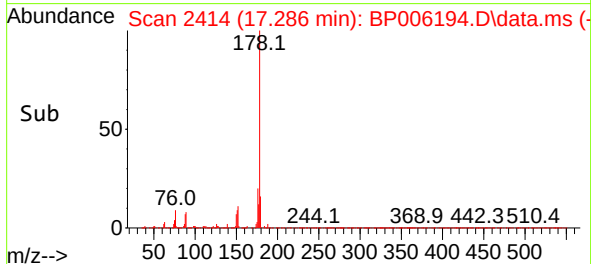
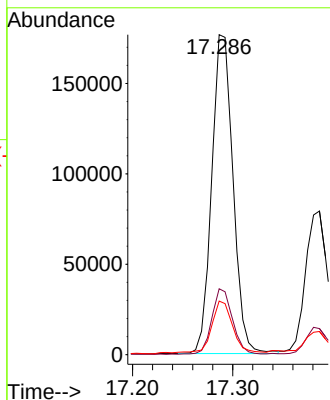
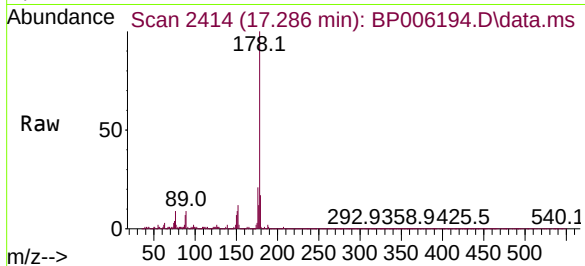




#71
Phenanthrene
Concen: 5.13 ng
RT: 17.286 min Scan# 2414
Delta R.T. -0.006 min
Lab File: BP006194.D
Acq: 12 Jul 2021 22:29

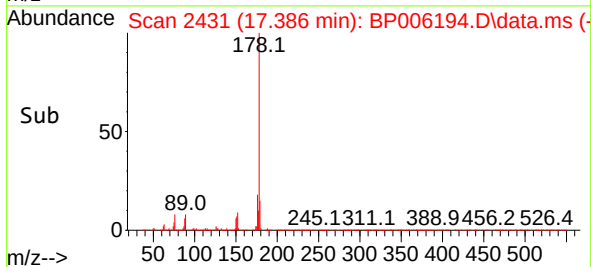
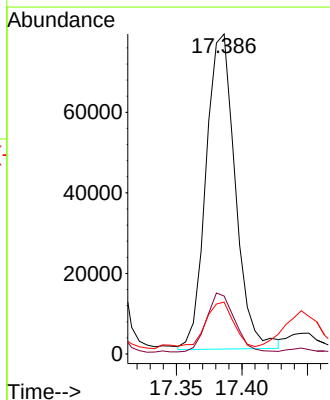
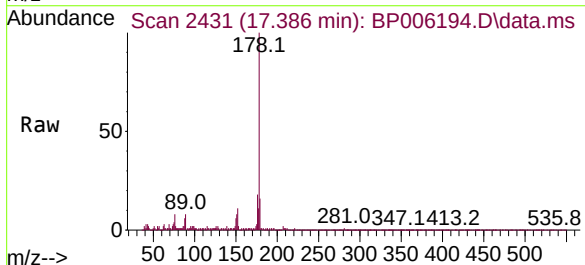
Instrument :
BNA_P
ClientSampleId :
VNJ-231

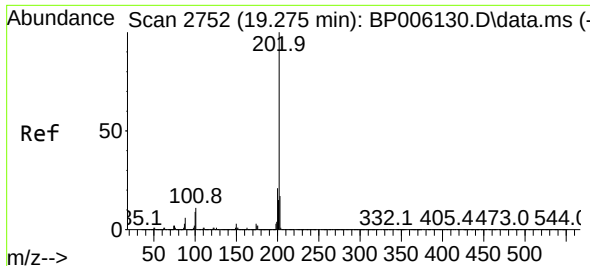
Tgt Ion:178 Resp: 260381
Ion Ratio Lower Upper
178 100
176 20.6 15.1 22.7
179 16.8 12.4 18.6



#72
Anthracene
Concen: 2.44 ng
RT: 17.386 min Scan# 2431
Delta R.T. 0.000 min
Lab File: BP006194.D
Acq: 12 Jul 2021 22:29

Tgt Ion:178 Resp: 121369
Ion Ratio Lower Upper
178 100
176 18.1 14.9 22.3
179 16.2 12.2 18.2

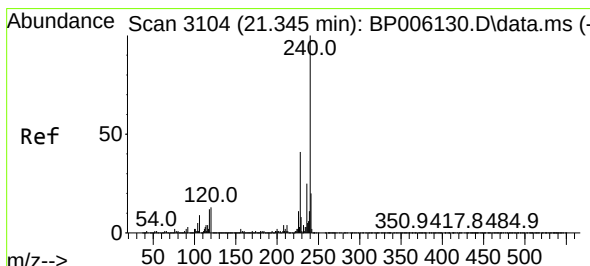
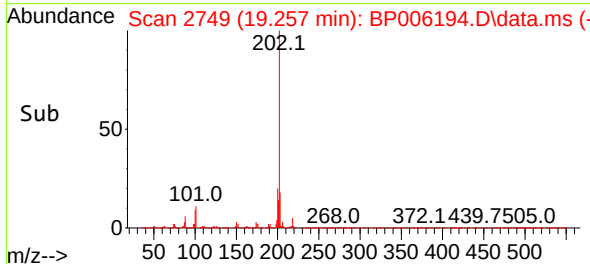
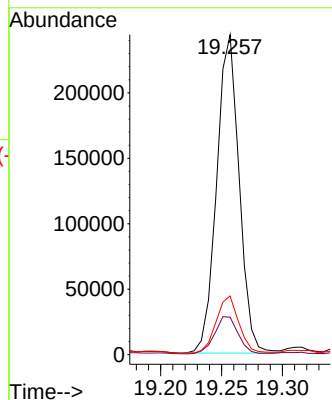
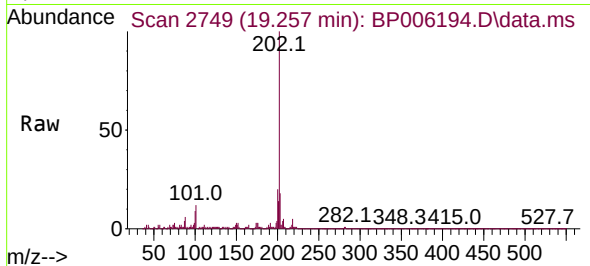




#75
Fluoranthene
Concen: 5.63 ng
RT: 19.257 min Scan# 2749
Delta R.T. 0.000 min
Lab File: BP006194.D
Acq: 12 Jul 2021 22:29

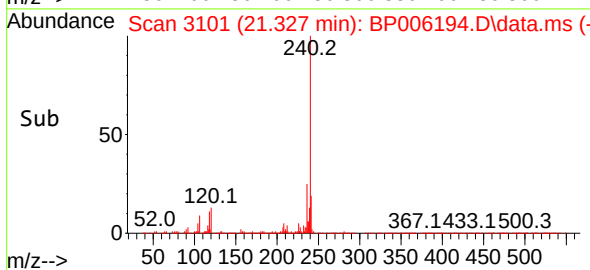
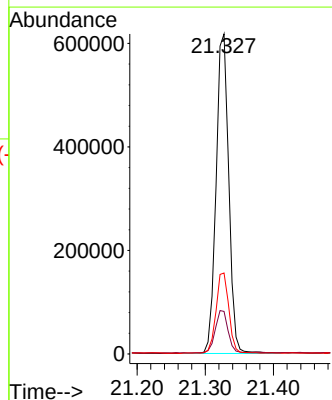
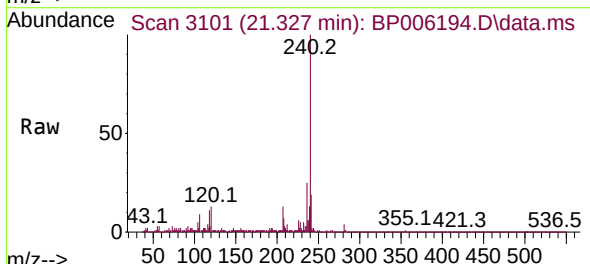
Instrument :
BNA_P
ClientSampleId :
VNJ-231

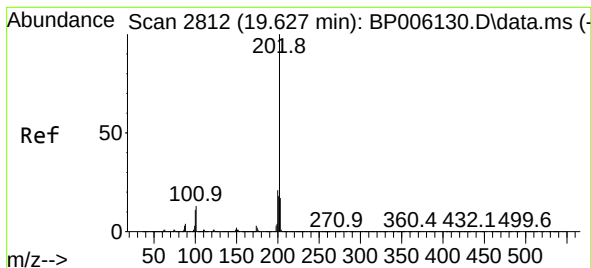
Tgt Ion:202 Resp: 313014
Ion Ratio Lower Upper
202 100
101 11.7 0.0 27.6
203 18.4 0.0 37.8



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.327 min Scan# 3101
Delta R.T. 0.000 min
Lab File: BP006194.D
Acq: 12 Jul 2021 22:29

Tgt Ion:240 Resp: 798653
Ion Ratio Lower Upper
240 100
120 13.3 6.5 9.7#
236 25.3 20.6 31.0





#78

Pyrene

Concen: 9.20 ng

RT: 19.610 min Scan# 2809

Delta R.T. 0.000 min

Lab File: BP006194.D

Acq: 12 Jul 2021 22:29

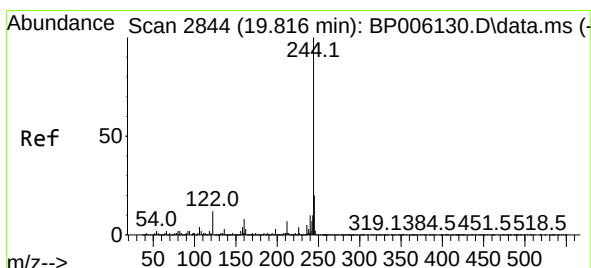
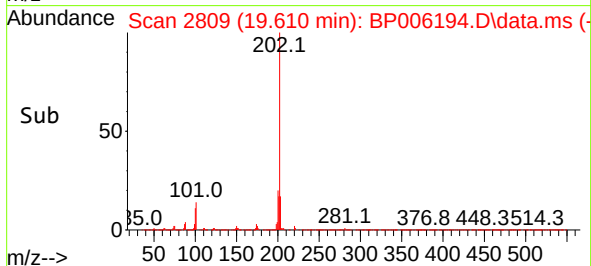
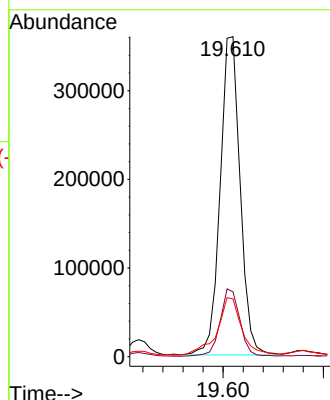
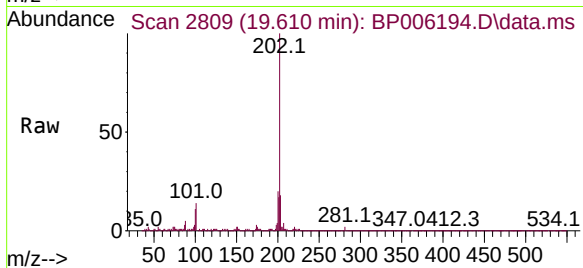
Instrument :

BNA_P

ClientSampleId :

VNJ-231

Tgt Ion:202	Resp:	496420
Ion Ratio	Lower	Upper
202	100	
200	20.3	16.3 24.5
203	18.1	14.2 21.2



#79

Terphenyl-d14

Concen: 8.60 ng

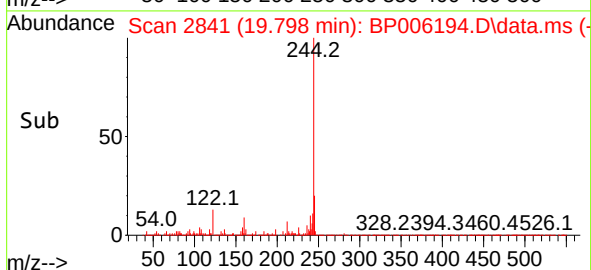
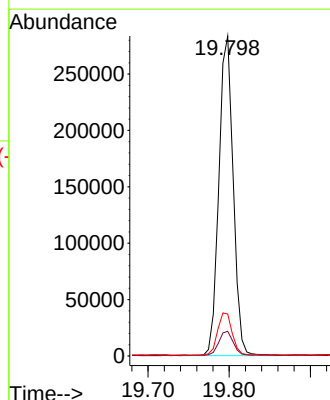
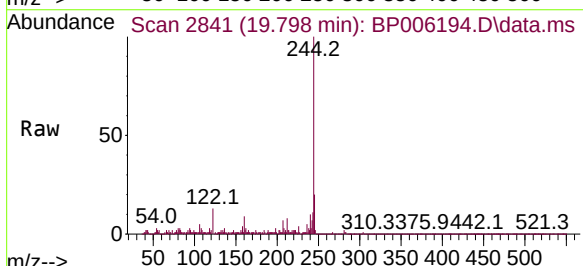
RT: 19.798 min Scan# 2841

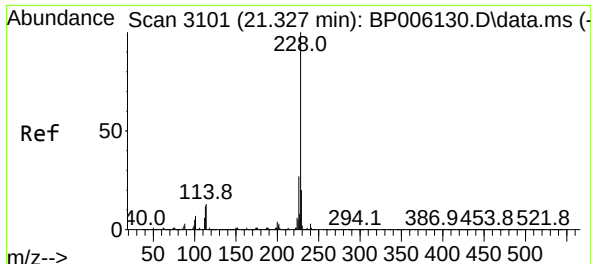
Delta R.T. -0.006 min

Lab File: BP006194.D

Acq: 12 Jul 2021 22:29

Tgt Ion:244	Resp:	348196
Ion Ratio	Lower	Upper
244	100	
212	7.7	6.0 9.0
122	13.1	7.1 10.7#

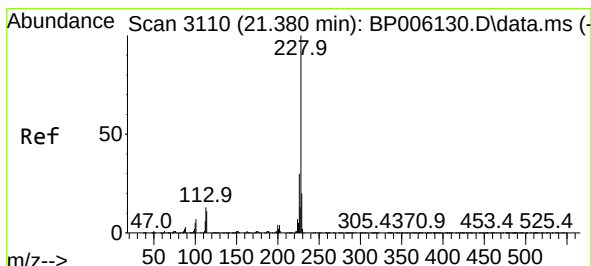
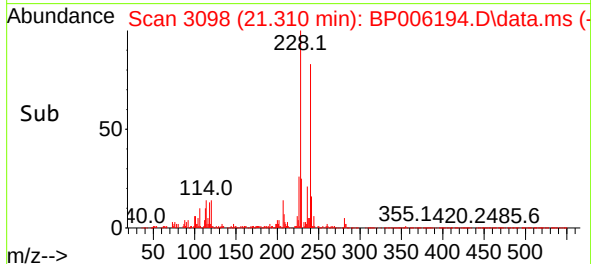
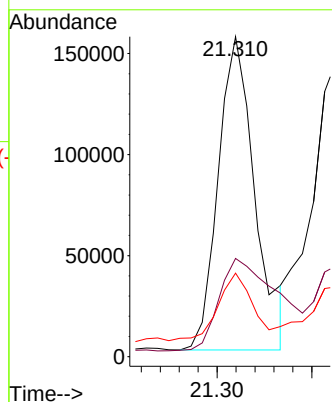
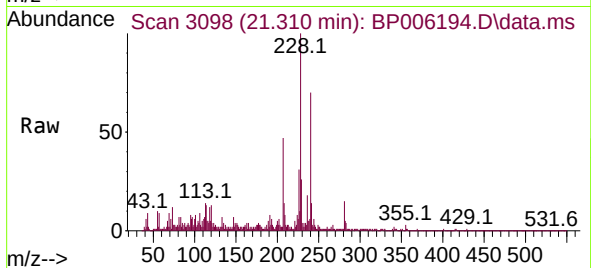




#81
Benzo(a)anthracene
Concen: 4.14 ng
RT: 21.310 min Scan# 3098
Delta R.T. -0.005 min
Lab File: BP006194.D
Acq: 12 Jul 2021 22:29

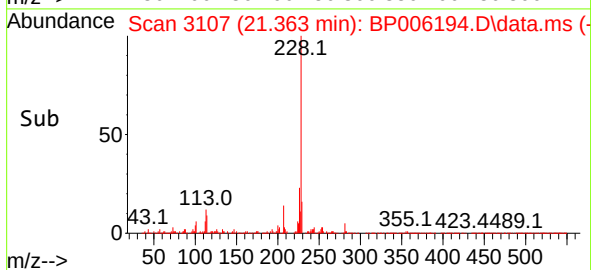
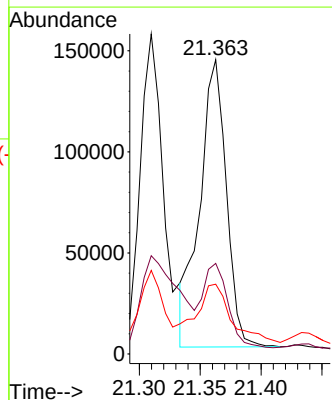
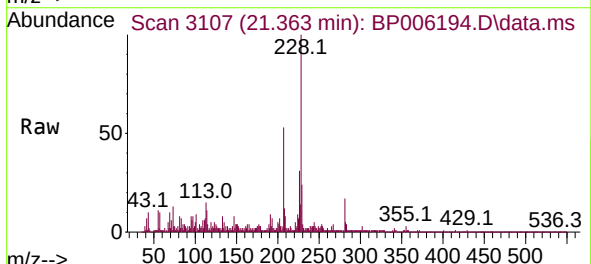
Instrument :
BNA_P
ClientSampleId :
VNJ-231

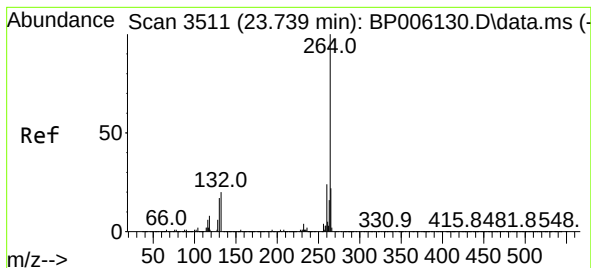
Tgt Ion:228 Resp: 208902
Ion Ratio Lower Upper
228 100
226 30.7 21.6 32.4
229 26.1 15.8 23.6#



#83
Chrysene
Concen: 4.34 ng
RT: 21.363 min Scan# 3107
Delta R.T. -0.006 min
Lab File: BP006194.D
Acq: 12 Jul 2021 22:29

Tgt Ion:228 Resp: 216583
Ion Ratio Lower Upper
228 100
226 30.8 23.8 35.6
229 23.7 15.4 23.2#



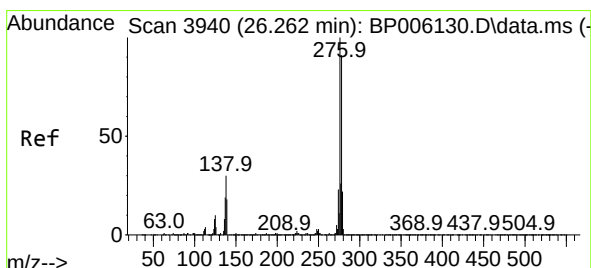
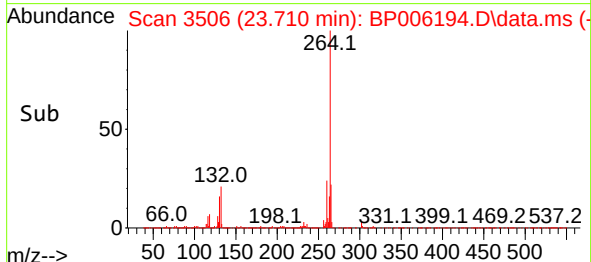
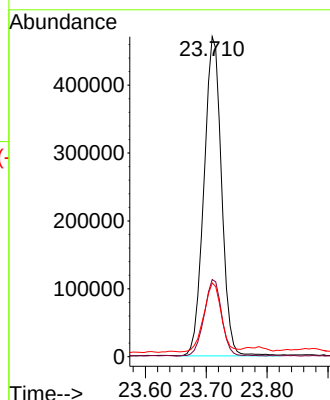
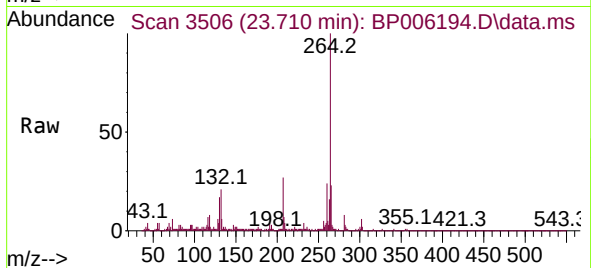


#86
Perylene-d12
Concen: 20.00 ng
RT: 23.710 min Scan# 3506
Delta R.T. -0.006 min
Lab File: BP006194.D
Acq: 12 Jul 2021 22:29

Instrument :
BNA_P
ClientSampled :
VNJ-231

Tgt Ion:264 Resp: 941963

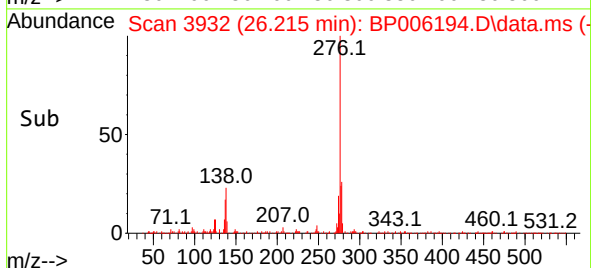
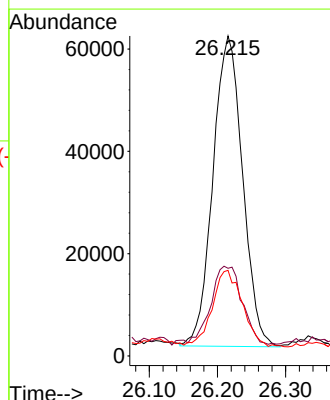
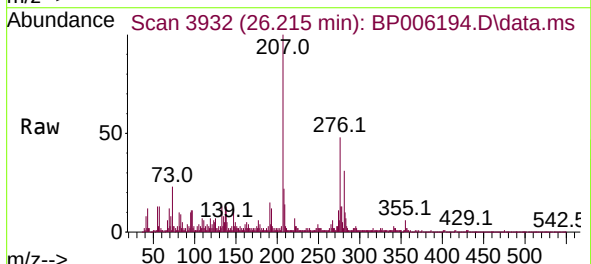
Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.6	28.0
265	23.1	17.6	26.4

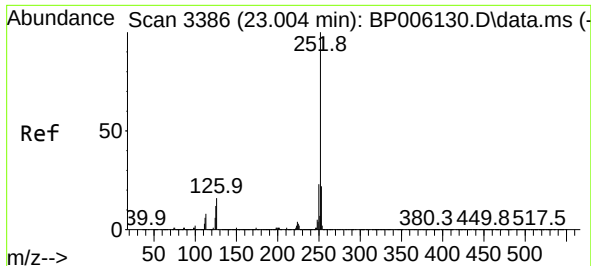


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.65 ng
RT: 26.215 min Scan# 3932
Delta R.T. -0.017 min
Lab File: BP006194.D
Acq: 12 Jul 2021 22:29

Tgt Ion:276 Resp: 183757

Ion	Ratio	Lower	Upper
276	100		
138	26.9	15.3	22.9
277	25.3	20.4	30.6

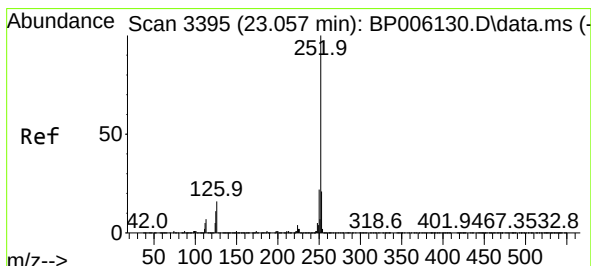
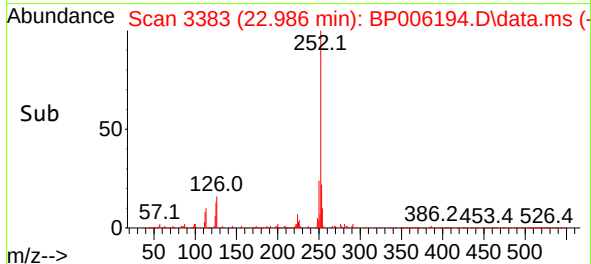
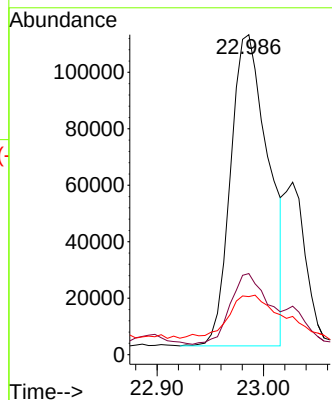
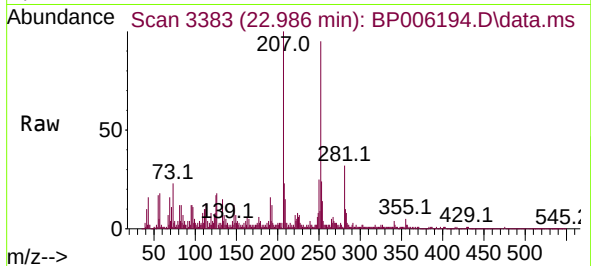




#88
Benzo(b)fluoranthene
Concen: 4.78 ng
RT: 22.986 min Scan# 3383
Delta R.T. 0.000 min
Lab File: BP006194.D
Acq: 12 Jul 2021 22:29

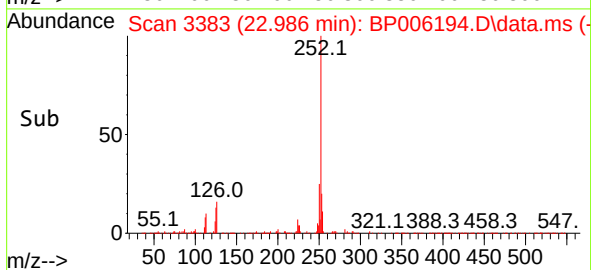
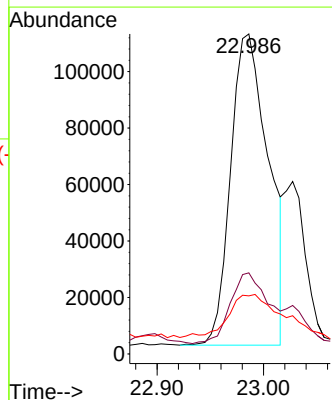
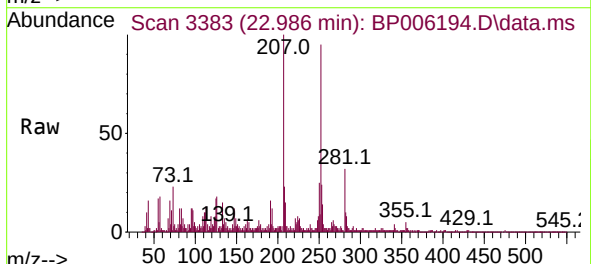
Instrument :
BNA_P
ClientSampled :
VNJ-231

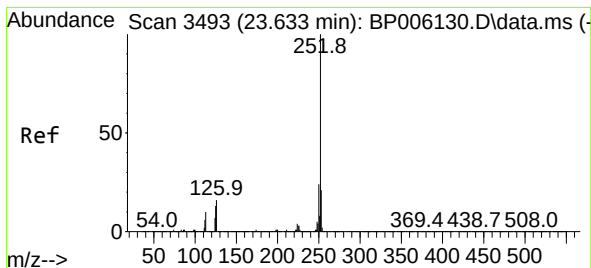
Tgt Ion:252 Resp: 272946
Ion Ratio Lower Upper
252 100
253 25.4 17.5 26.3
125 18.1 6.2 9.4#



#89
Benzo(k)fluoranthene
Concen: 4.89 ng
RT: 22.986 min Scan# 3383
Delta R.T. -0.047 min
Lab File: BP006194.D
Acq: 12 Jul 2021 22:29

Tgt Ion:252 Resp: 272946
Ion Ratio Lower Upper
252 100
253 25.4 17.6 26.4
125 18.1 6.0 9.0#





#90

Benzo(a)pyrene

Concen: 4.69 ng

RT: 23.604 min Scan# 3488

Delta R.T. -0.006 min

Lab File: BP006194.D

Acq: 12 Jul 2021 22:29

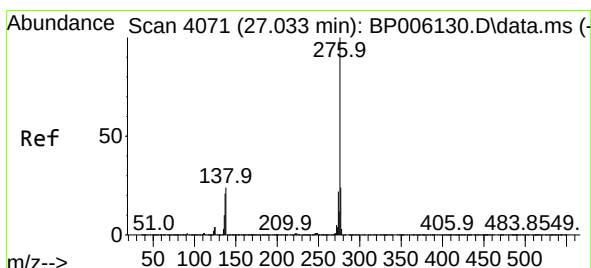
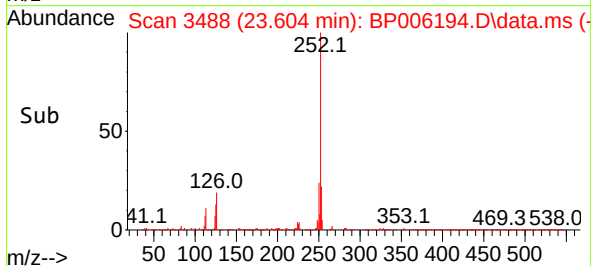
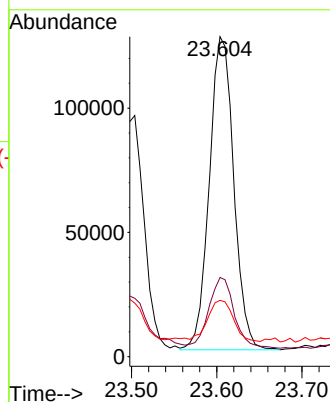
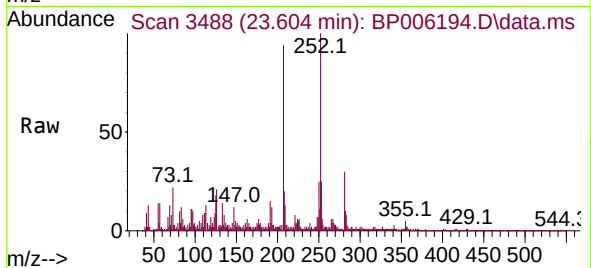
Instrument :

BNA_P

ClientSampleId :

VNJ-231

Tgt Ion:	252	Resp:	251354
Ion Ratio	Lower	Upper	
252	100		
253	24.8	17.9	26.9
125	17.6	6.5	9.7#



#92

Benzo(g,h,i)perylene

Concen: 3.74 ng

RT: 26.992 min Scan# 4064

Delta R.T. -0.011 min

Lab File: BP006194.D

Acq: 12 Jul 2021 22:29

Tgt Ion:	276	Resp:	220336
Ion Ratio	Lower	Upper	
276	100		
277	23.7	18.9	28.3
138	27.3	12.6	18.8#

