

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP110520\
 Data File : BP003826.D
 Acq On : 05 Nov 2020 18:08
 Operator : CG/JU
 Sample : L4521-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 B-3

Quant Time: Nov 05 23:56:36 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP110320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 05 14:31:45 2020
 Response via : Initial Calibration

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

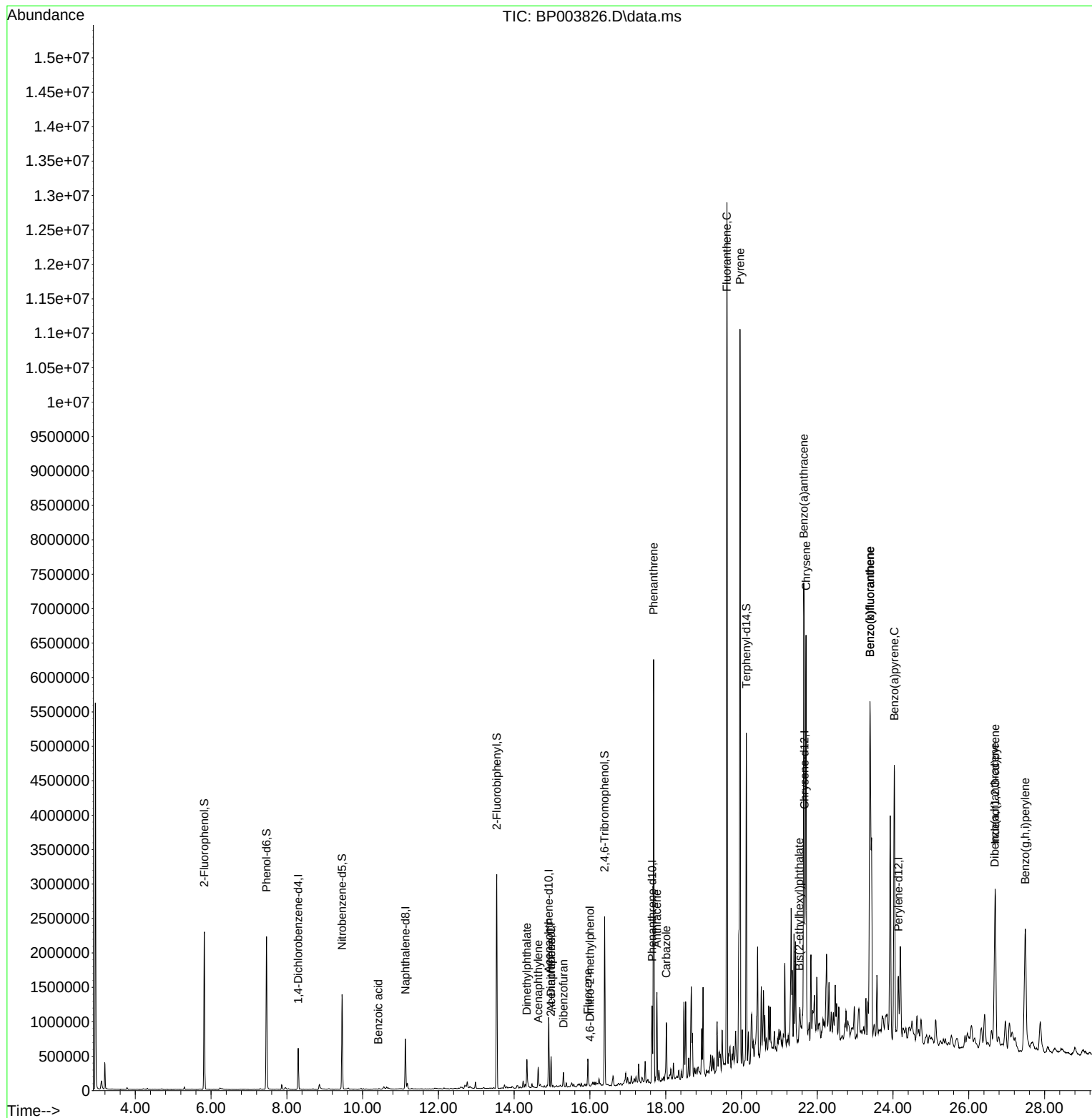
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.299	152	154946	20.00	ng	0.00
21) Naphthalene-d8	11.128	136	580790	20.00	ng	# 0.00
39) Acenaphthene-d10	14.910	164	343733	20.00	ng	0.00
64) Phenanthrene-d10	17.640	188	693016	20.00	ng	0.00
76) Chrysene-d12	21.663	240	640578	20.00	ng	0.01
86) Perylene-d12	24.139	264	703859	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.822	112	957939	103.18	ng	0.01
7) Phenol-d6	7.464	99	1198860	89.96	ng	0.00
23) Nitrobenzene-d5	9.458	82	761064	64.18	ng	0.00
42) 2,4,6-Tribromophenol	16.387	330	428468	99.66	ng	0.00
45) 2-Fluorobiphenyl	13.540	172	1578764	64.21	ng	0.00
79) Terphenyl-d14	20.128	244	1859376	56.08	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.405	77	1813	Below Cal		95
32) Benzoic acid	10.416	122	779	8.43 ng	#	72
49) Acenaphthylene	14.634	152	217551	6.77 ng		97
50) Dimethylphthalate	14.334	163	245459	9.14 ng		99
52) Acenaphthene	14.975	154	154009	7.19 ng		96
54) 2,4-Dinitrophenol	14.969	184	57	2.76 ng	#	1
55) Dibenzofuran	15.298	168	94699	2.98 ng		96
58) Fluorene	15.945	166	185747	7.29 ng		99
65) 4,6-Dinitro-2-methylph...	16.004	198	111	6.37 ng	#	1
71) Phenanthrene	17.681	178	3682909	94.69 ng		99
72) Anthracene	17.769	178	783569	20.86 ng		99
73) Carbazole	18.016	167	524350	15.05 ng		98
75) Fluoranthene	19.616	202	7757909	172.87 ng		97
78) Pyrene	19.963	202	6627606	152.46 ng		99
81) Benzo(a)anthracene	21.645	228	3319318	78.58 ng		98
83) Chrysene	21.704	228	3566110	87.86 ng		97
84) Bis(2-ethylhexyl)phtha...	21.528	149	52847	2.21 ng		94
87) Indeno(1,2,3-cd)pyrene	26.698	276	2488682	49.01 ng	#	94
88) Benzo(b)fluoranthene	23.392	252	4812307	104.48 ng		98
89) Benzo(k)fluoranthene	23.392	252	4812307	105.81 ng		99
90) Benzo(a)pyrene	24.033	252	3284969	77.04 ng		98
91) Dibenzo(a,h)anthracene	26.686	278	601832	14.22 ng	#	83
92) Benzo(g,h,i)perylene	27.492	276	2518820	61.48 ng		97

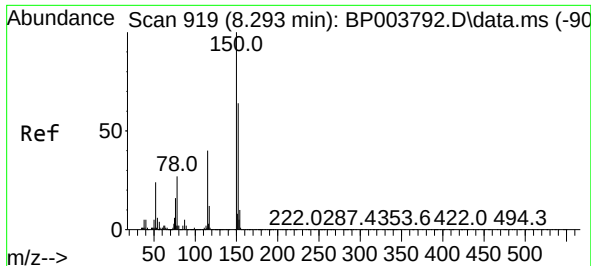
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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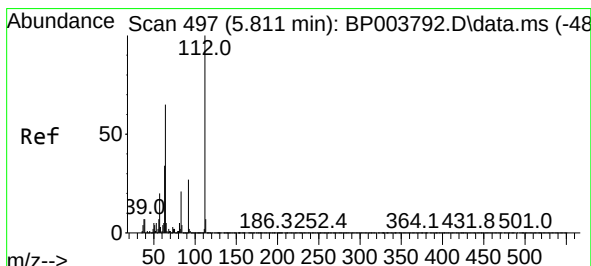
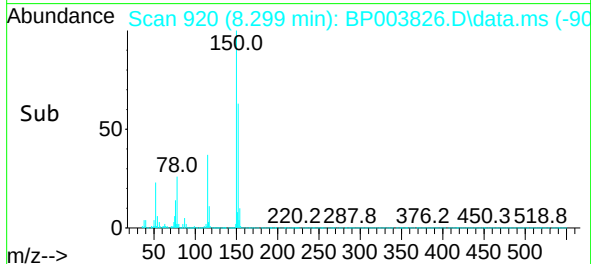
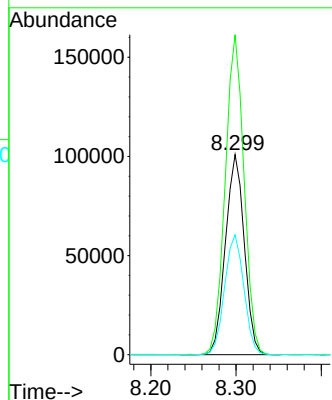
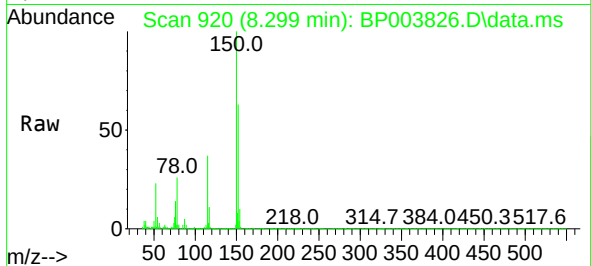




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.299 min Scan# 920
Delta R.T. 0.006 min
Lab File: BP003826.D
Acq: 05 Nov 2020 18:08

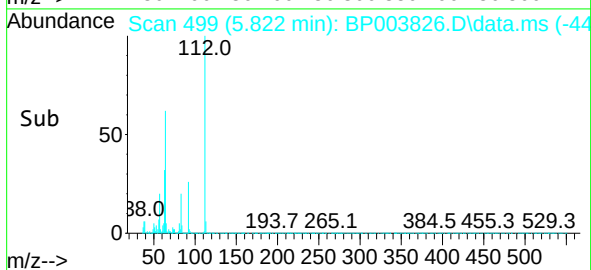
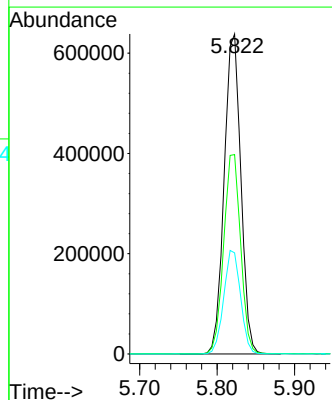
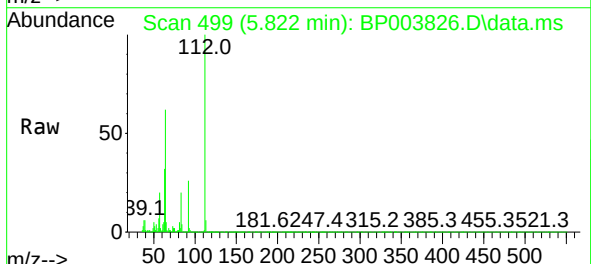
Instrument :
BNA_P
ClientSampleId :
B-3

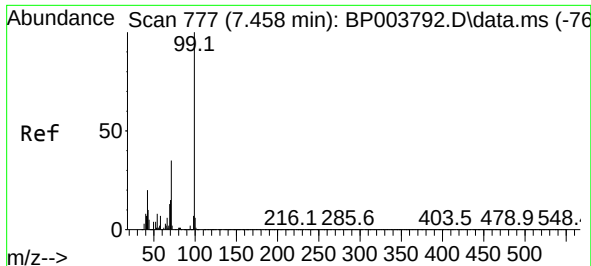
Tgt Ion:152 Resp: 154946
Ion Ratio Lower Upper
152 100
150 159.9 123.8 185.6
115 59.9 43.8 65.6



#5
2-Fluorophenol
Concen: 103.18 ng
RT: 5.822 min Scan# 499
Delta R.T. 0.011 min
Lab File: BP003826.D
Acq: 05 Nov 2020 18:08

Tgt Ion:112 Resp: 957939
Ion Ratio Lower Upper
112 100
64 62.3 32.8 49.2#
63 31.6 17.0 25.4#

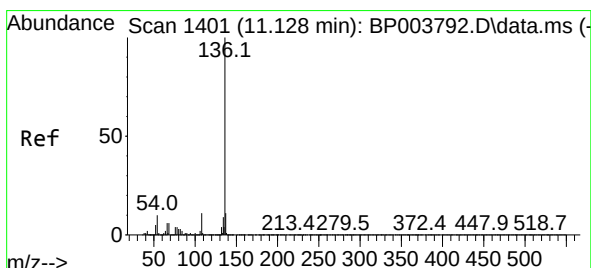
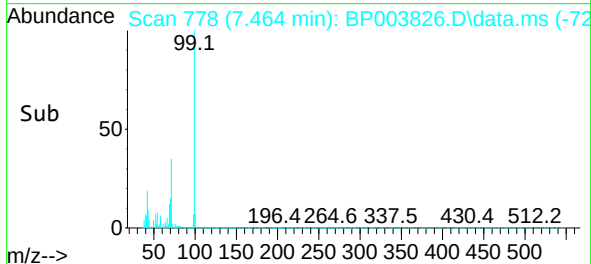
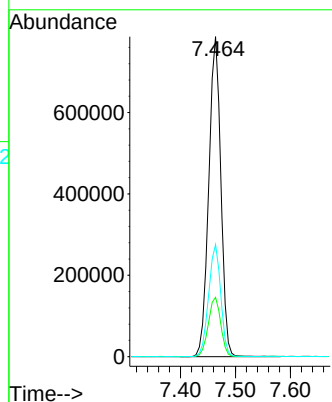
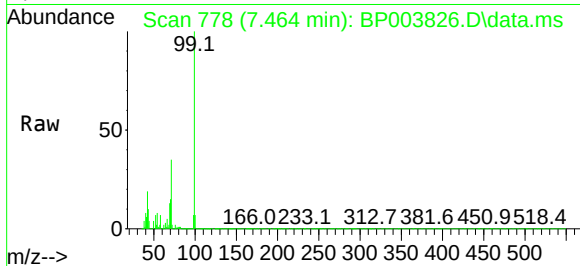




#7
Phenol-d6
Concen: 89.96 ng
RT: 7.464 min Scan# 778
Delta R.T. 0.006 min
Lab File: BP003826.D
Acq: 05 Nov 2020 18:08

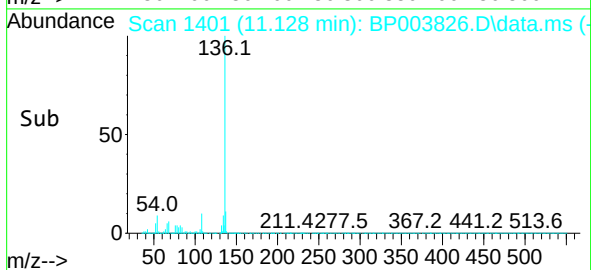
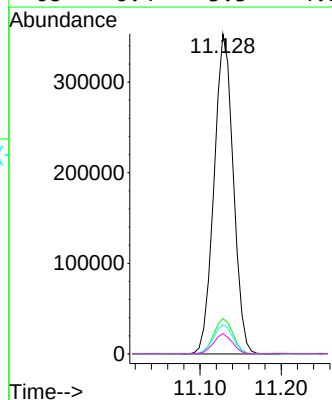
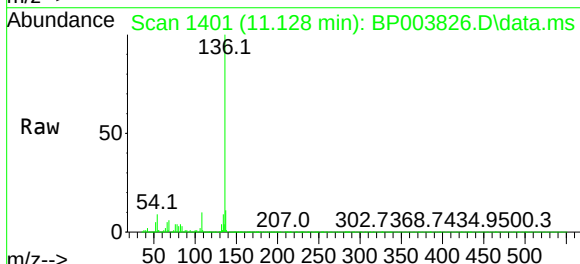
Instrument :
BNA_P
ClientSampled :
B-3

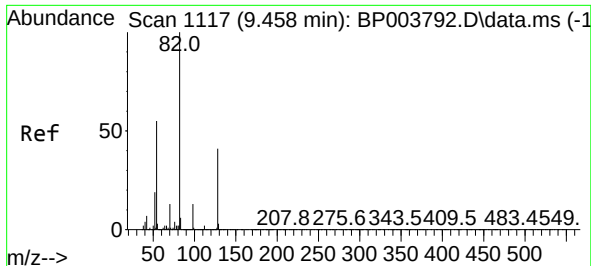
Tgt Ion: 99 Resp: 1198860
Ion Ratio Lower Upper
99 100
42 18.6 8.6 13.0#
71 35.0 23.4 35.2



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.128 min Scan# 1401
Delta R.T. 0.000 min
Lab File: BP003826.D
Acq: 05 Nov 2020 18:08

Tgt Ion: 136 Resp: 580790
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 9.1 3.6 5.4#
68 6.4 3.3 4.9#

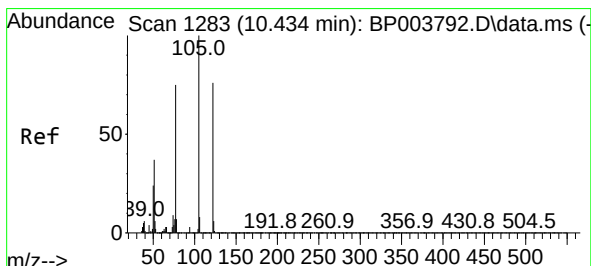
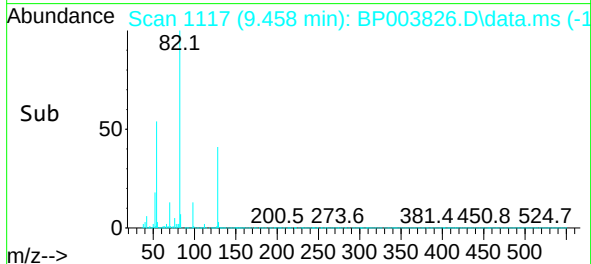
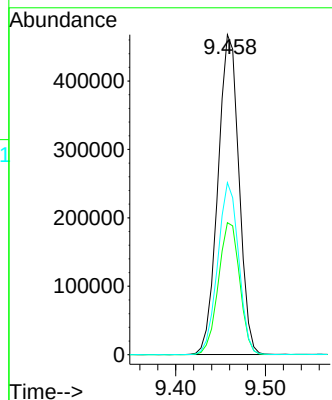
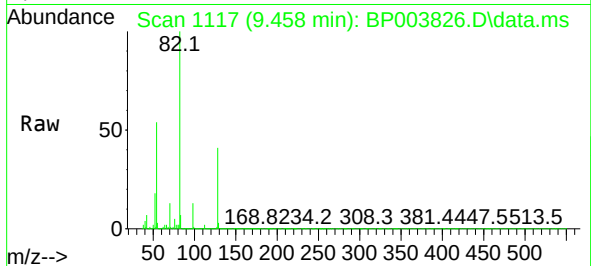




#23
Nitrobenzene-d5
Concen: 64.18 ng
RT: 9.458 min Scan# 1117
Delta R.T. -0.000 min
Lab File: BP003826.D
Acq: 05 Nov 2020 18:08

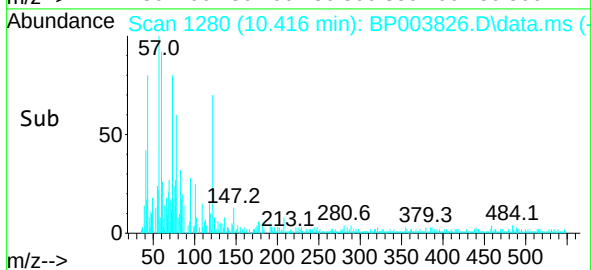
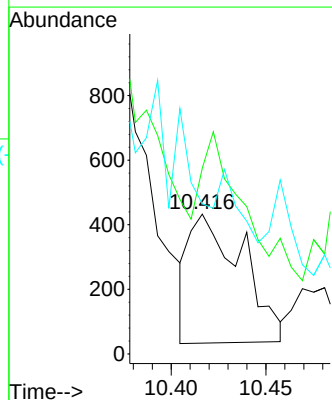
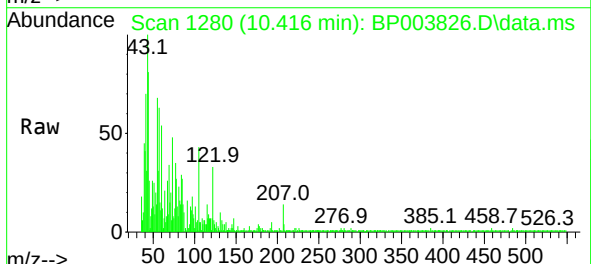
Instrument :
BNA_P
ClientSampled :
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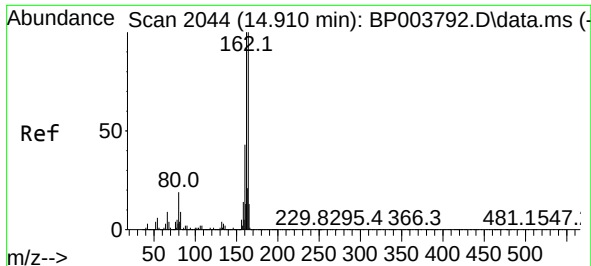
Tgt Ion: 82 Resp: 761064
Ion Ratio Lower Upper
82 100
128 41.2 45.6 68.4#
54 53.8 30.1 45.1#



#32
Benzoic acid
Concen: 8.43 ng
RT: 10.416 min Scan# 1280
Delta R.T. -0.018 min
Lab File: BP003826.D
Acq: 05 Nov 2020 18:08

Tgt Ion:122 Resp: 779
Ion Ratio Lower Upper
122 100
105 132.8 94.1 134.1
77 107.4 50.1 90.1#

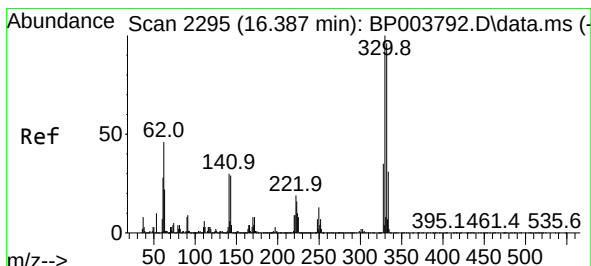
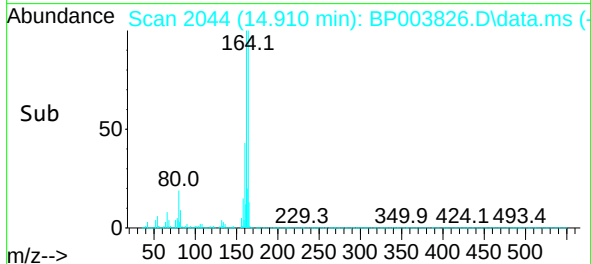
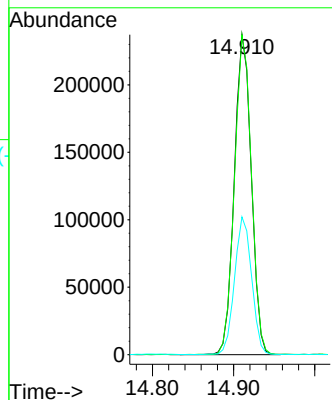
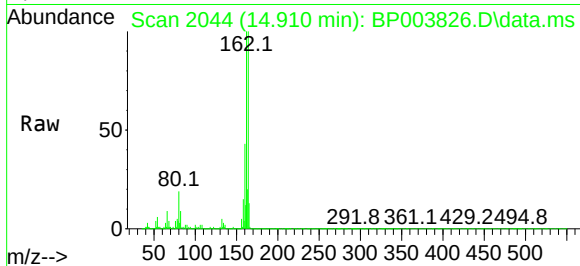




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.910 min Scan# 2044
Delta R.T. 0.000 min
Lab File: BP003826.D
Acq: 05 Nov 2020 18:08

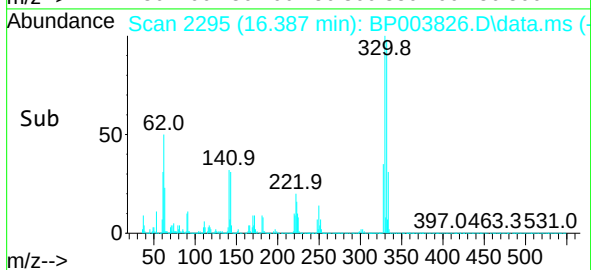
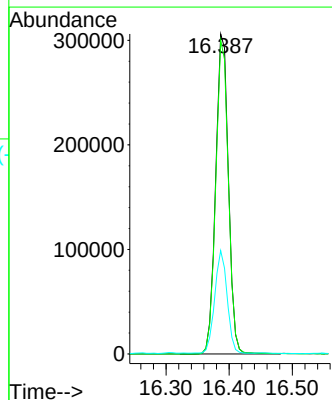
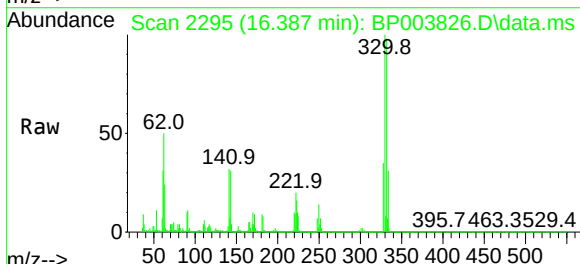
Instrument :
BNA_P
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B-3

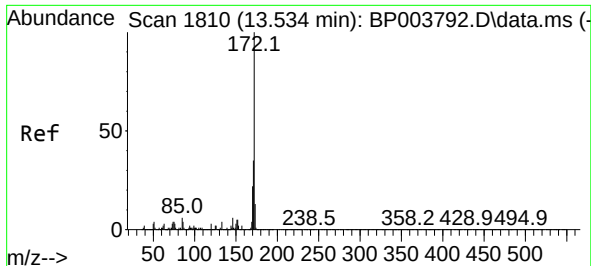
Tgt Ion:164 Resp: 343733
Ion Ratio Lower Upper
164 100
162 99.9 79.4 119.2
160 43.0 36.1 54.1



#42
2,4,6-Tribromophenol
Concen: 99.66 ng
RT: 16.387 min Scan# 2295
Delta R.T. -0.000 min
Lab File: BP003826.D
Acq: 05 Nov 2020 18:08

Tgt Ion:330 Resp: 428468
Ion Ratio Lower Upper
330 100
332 97.3 77.1 115.7
141 31.1 23.4 35.2

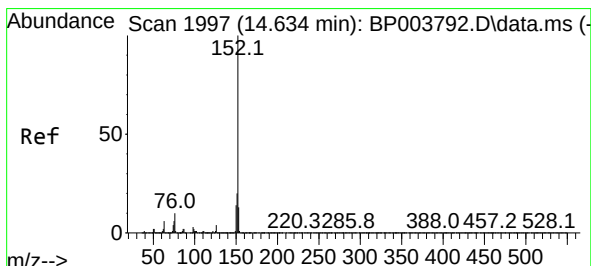
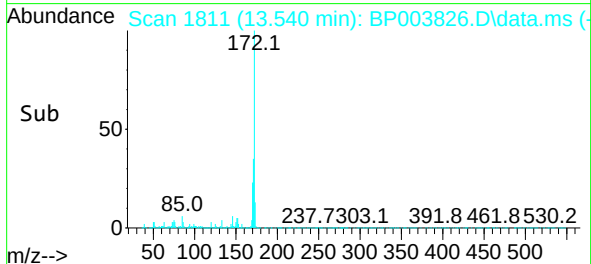
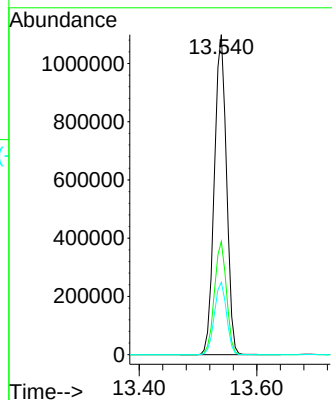
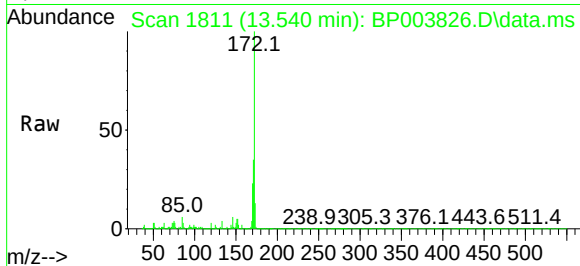




#45
2-Fluorobiphenyl
Concen: 64.21 ng
RT: 13.540 min Scan# 1811
Delta R.T. 0.006 min
Lab File: BP003826.D
Acq: 05 Nov 2020 18:08

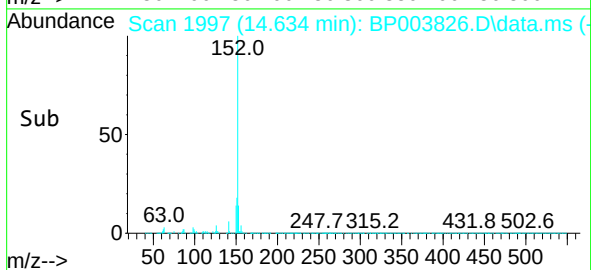
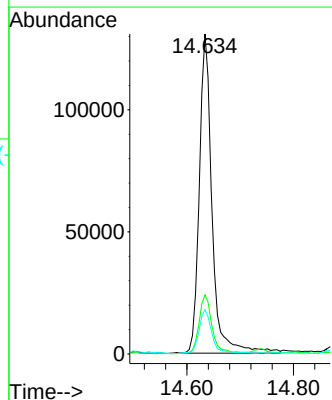
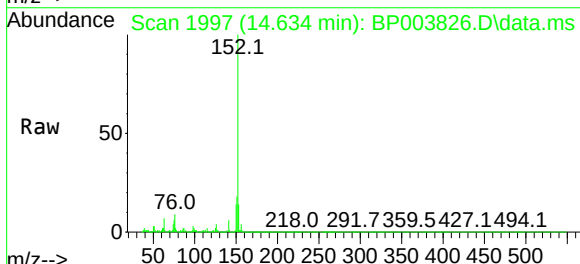
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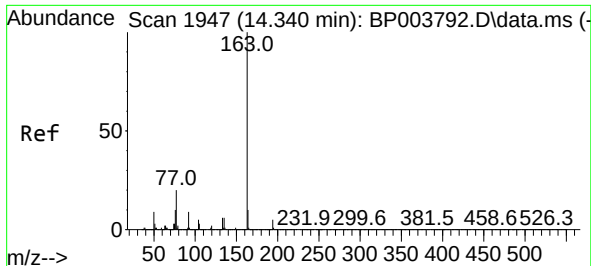
Tgt Ion:172 Resp: 1578764
Ion Ratio Lower Upper
172 100
171 35.4 28.5 42.7
170 22.6 19.2 28.8



#49
Acenaphthylene
Concen: 6.77 ng
RT: 14.634 min Scan# 1997
Delta R.T. 0.000 min
Lab File: BP003826.D
Acq: 05 Nov 2020 18:08

Tgt Ion:152 Resp: 217551
Ion Ratio Lower Upper
152 100
151 18.4 15.9 23.9
153 13.9 10.5 15.7

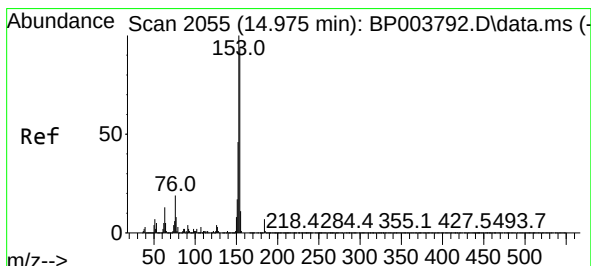
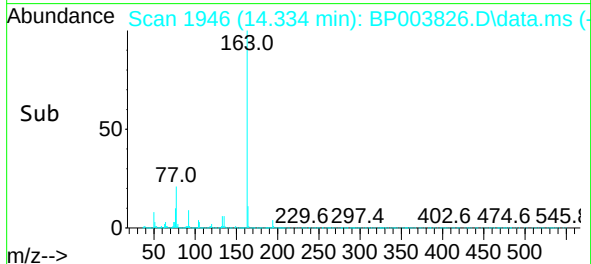
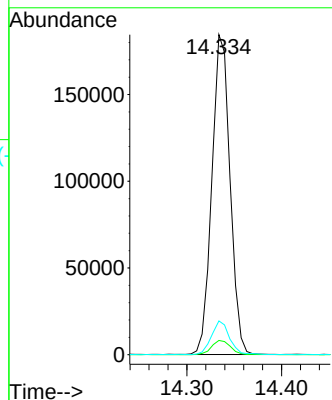
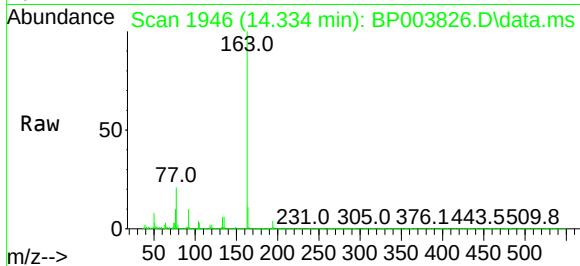




#50
Dimethylphthalate
Concen: 9.14 ng
RT: 14.334 min Scan# 1946
Delta R.T. -0.006 min
Lab File: BP003826.D
Acq: 05 Nov 2020 18:08

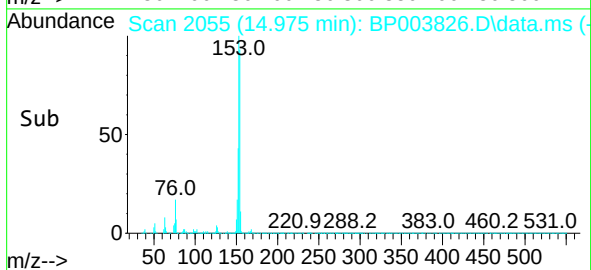
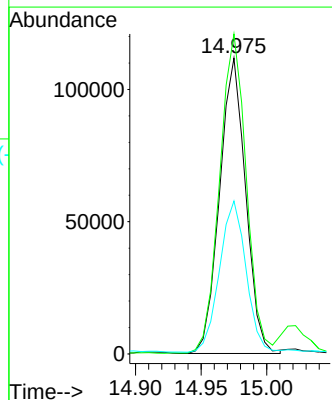
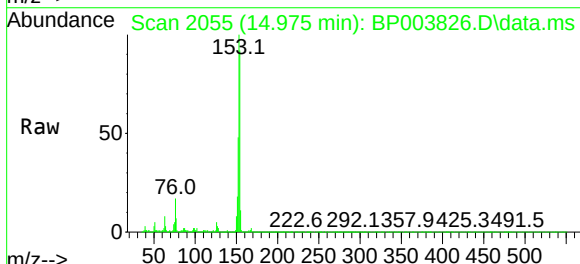
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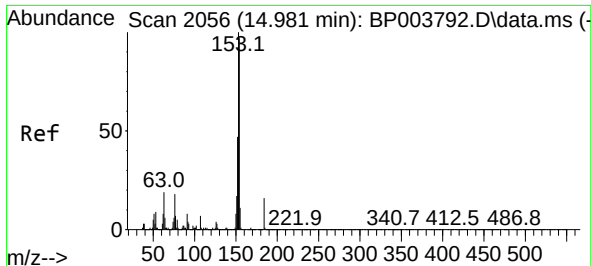
Tgt Ion:163 Resp: 245459
Ion Ratio Lower Upper
163 100
194 4.5 3.3 4.9
164 10.5 8.2 12.2



#52
Acenaphthene
Concen: 7.19 ng
RT: 14.975 min Scan# 2055
Delta R.T. 0.000 min
Lab File: BP003826.D
Acq: 05 Nov 2020 18:08

Tgt Ion:154 Resp: 154009
Ion Ratio Lower Upper
154 100
153 108.2 91.0 136.6
152 51.7 43.0 64.6

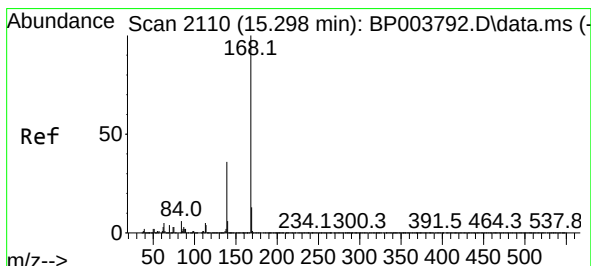
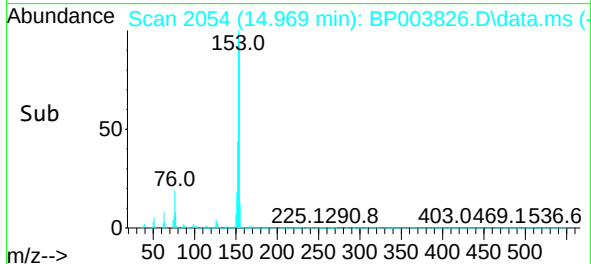
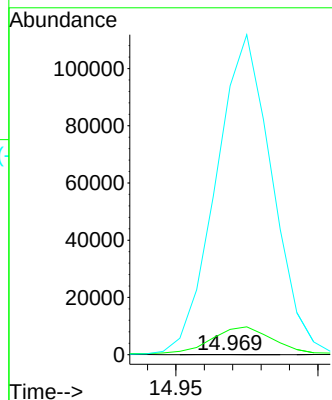
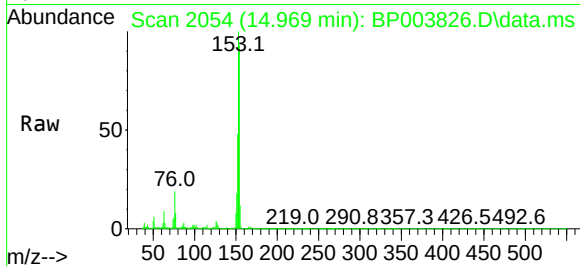




#54
2,4-Dinitrophenol
Concen: 2.76 ng
RT: 14.969 min Scan# 2054
Delta R.T. -0.012 min
Lab File: BP003826.D
Acq: 05 Nov 2020 18:08

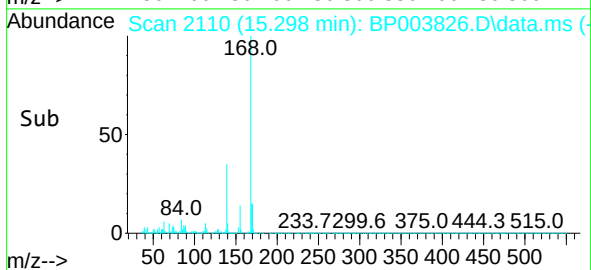
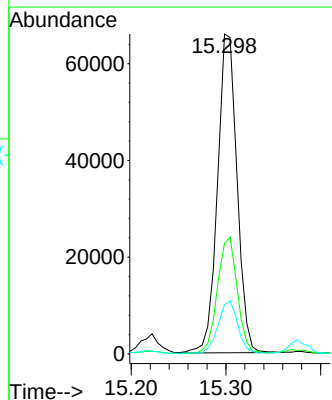
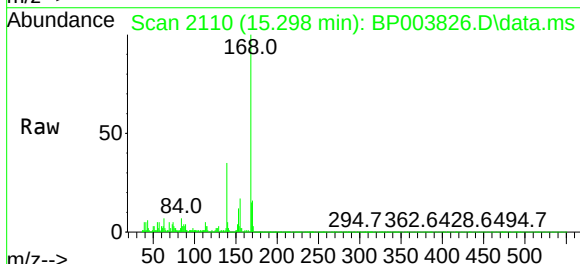
Instrument :
BNA_P
ClientSampled :
B-3

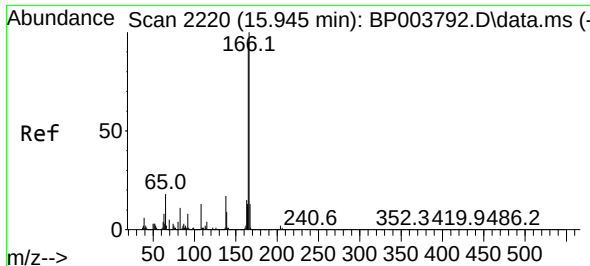
Tgt Ion:184 Resp: 57
Ion Ratio Lower Upper
184 100
63 11312.8 32.3 48.5#
154 120461.5 49.1 73.7#



#55
Dibenzofuran
Concen: 2.98 ng
RT: 15.298 min Scan# 2110
Delta R.T. 0.000 min
Lab File: BP003826.D
Acq: 05 Nov 2020 18:08

Tgt Ion:168 Resp: 94699
Ion Ratio Lower Upper
168 100
139 34.5 29.1 43.7
169 15.4 10.4 15.6

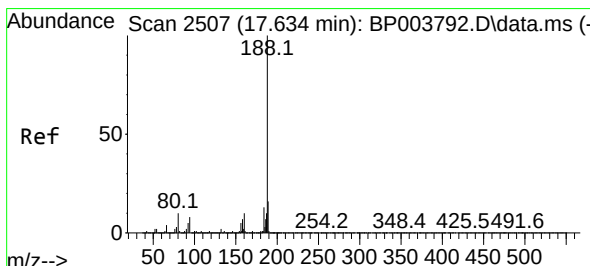
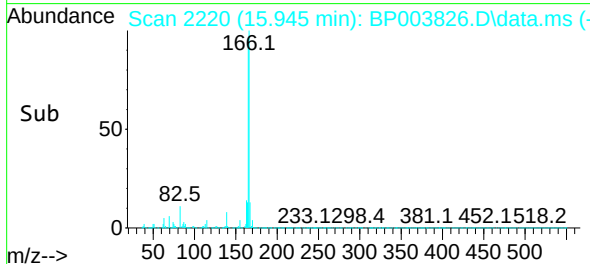
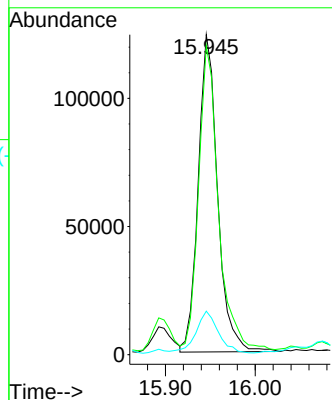
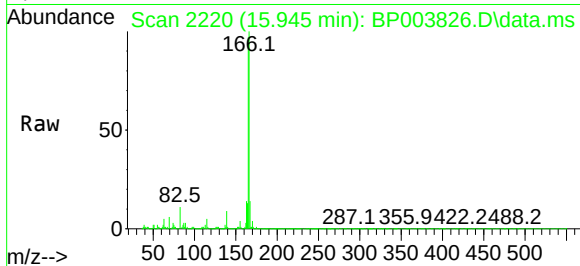




#58
Fluorene
Concen: 7.29 ng
RT: 15.945 min Scan# 2220
Delta R.T. 0.000 min
Lab File: BP003826.D
Acq: 05 Nov 2020 18:08

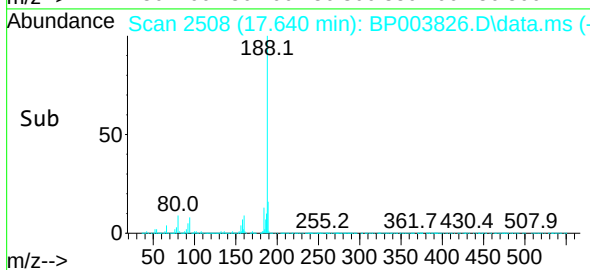
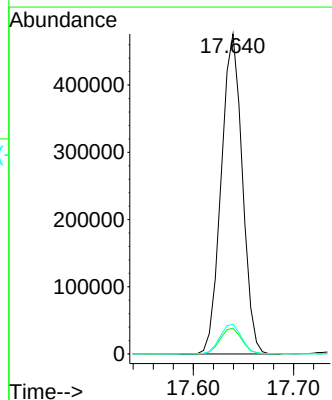
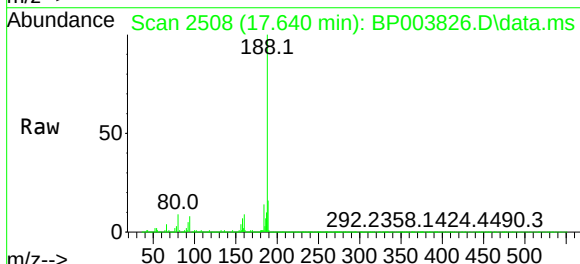
Instrument :
BNA_P
ClientSampleId :
B-3

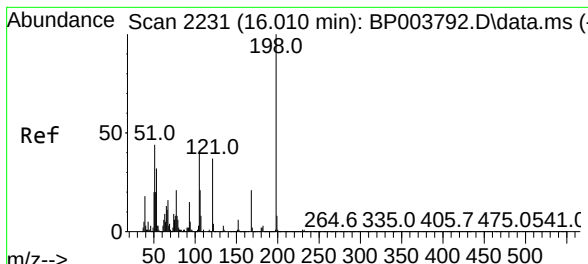
Tgt Ion:166 Resp: 185747
Ion Ratio Lower Upper
166 100
165 96.6 77.8 116.8
167 13.6 11.0 16.4



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.640 min Scan# 2508
Delta R.T. 0.006 min
Lab File: BP003826.D
Acq: 05 Nov 2020 18:08

Tgt Ion:188 Resp: 693016
Ion Ratio Lower Upper
188 100
94 8.1 6.2 9.2
80 9.2 6.2 9.2

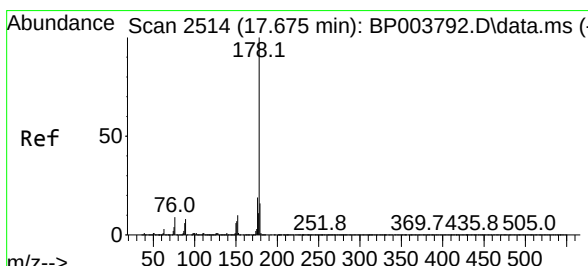
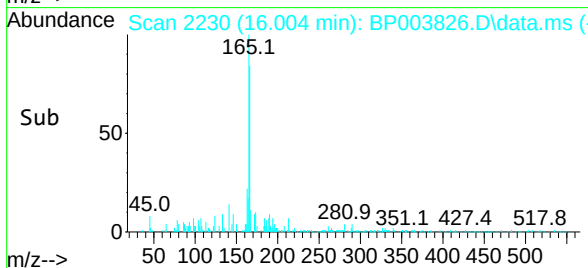
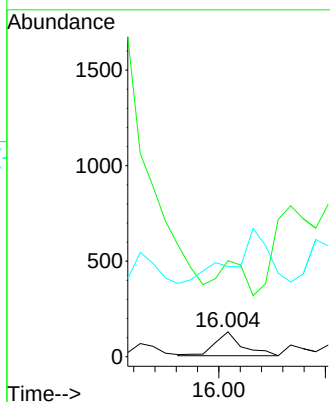
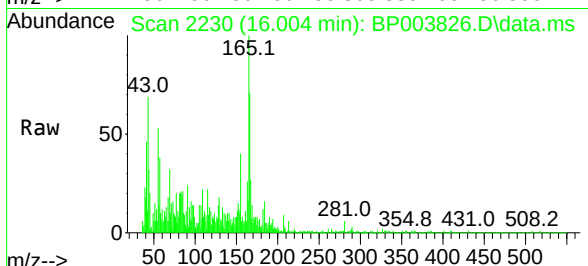




#65
 4,6-Dinitro-2-methylphenol
 Concen: 6.37 ng
 RT: 16.004 min Scan# 2230
 Delta R.T. -0.006 min
 Lab File: BP003826.D
 Acq: 05 Nov 2020 18:08

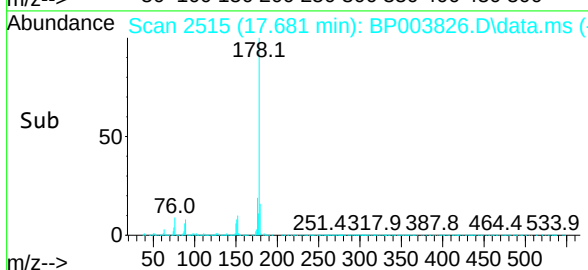
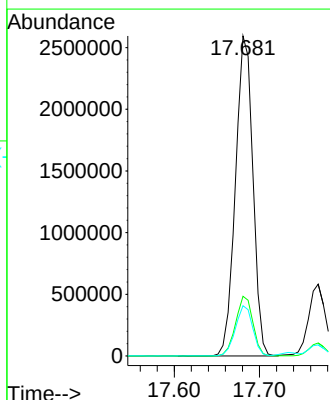
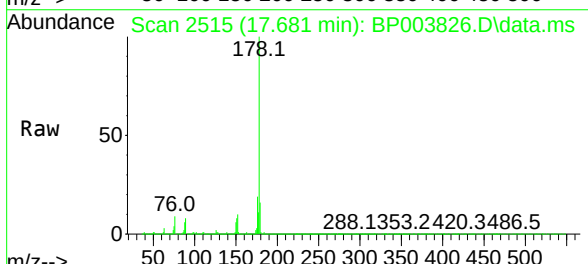
Instrument :
 BNA_P
 ClientSampleId :
 B-3

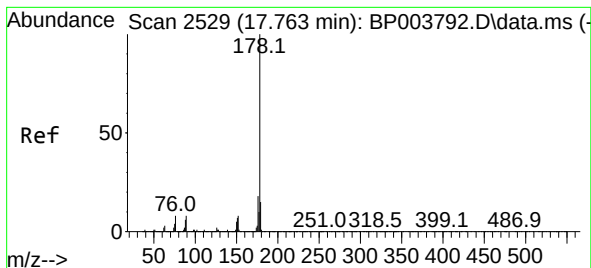
Tgt Ion:	198	Resp:	111
Ion	Ratio	Lower	Upper
198	100		
51	386.9	6.4	46.4#
105	363.1	18.9	58.9#



#71
 Phenanthrene
 Concen: 94.69 ng
 RT: 17.681 min Scan# 2515
 Delta R.T. 0.006 min
 Lab File: BP003826.D
 Acq: 05 Nov 2020 18:08

Tgt Ion:	178	Resp:	3682909
Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.3	22.9
179	15.7	12.5	18.7





#72

Anthracene

Concen: 20.86 ng

RT: 17.769 min Scan# 2530

Delta R.T. 0.006 min

Lab File: BP003826.D

Acq: 05 Nov 2020 18:08

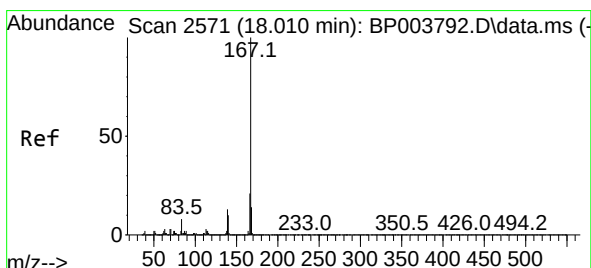
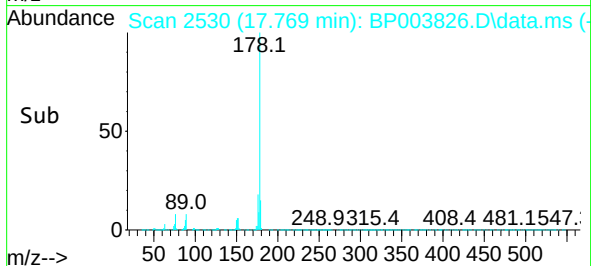
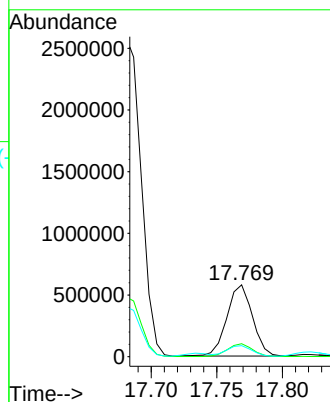
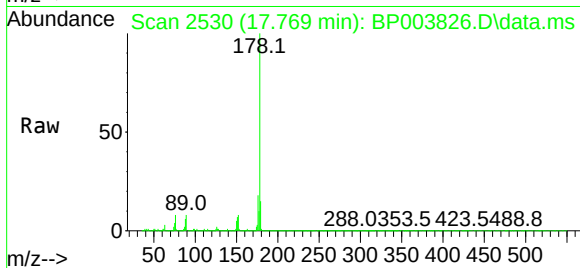
Tgt Ion:178 Resp: 783569

Ion Ratio Lower Upper

178 100

176 18.0 15.0 22.4

179 15.5 12.5 18.7



#73

Carbazole

Concen: 15.05 ng

RT: 18.016 min Scan# 2572

Delta R.T. 0.006 min

Lab File: BP003826.D

Acq: 05 Nov 2020 18:08

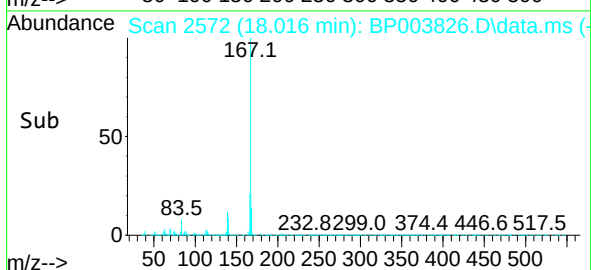
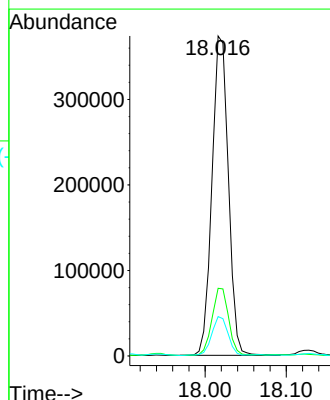
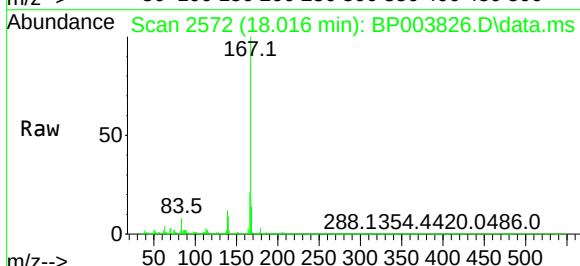
Tgt Ion:167 Resp: 524350

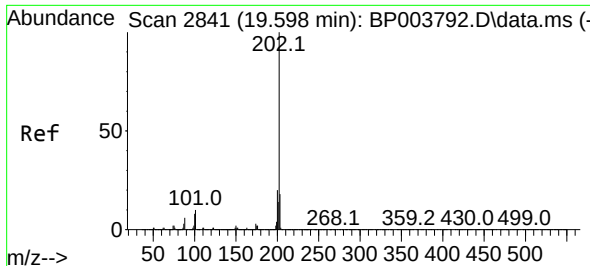
Ion Ratio Lower Upper

167 100

166 21.2 17.6 26.4

139 12.3 10.2 15.4

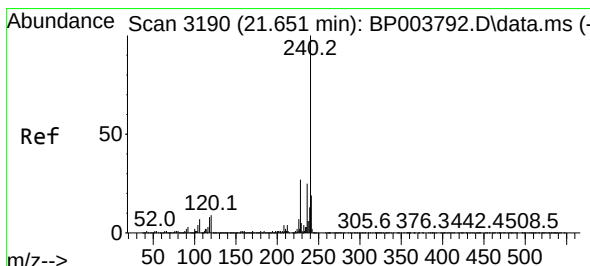
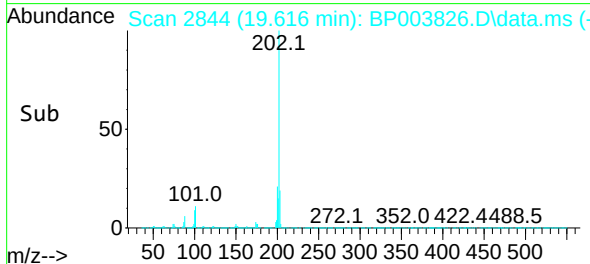
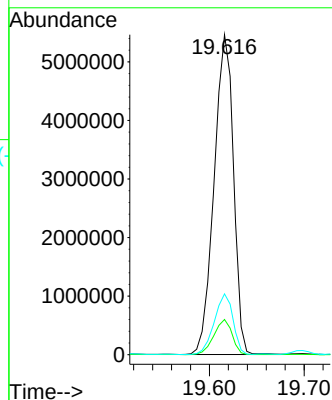
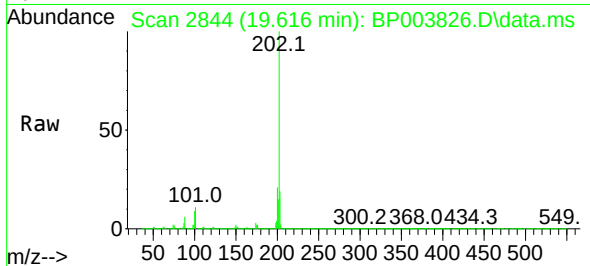




#75
Fluoranthene
Concen: 172.87 ng
RT: 19.616 min Scan# 2844
Delta R.T. 0.018 min
Lab File: BP003826.D
Acq: 05 Nov 2020 18:08

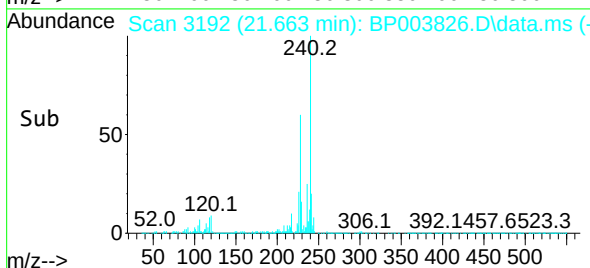
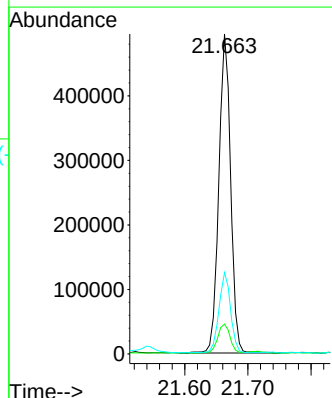
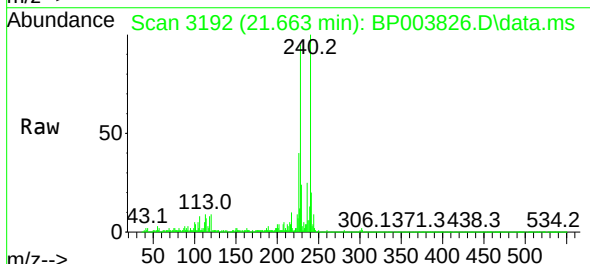
Instrument :
BNA_P
ClientSampleId :
B-3

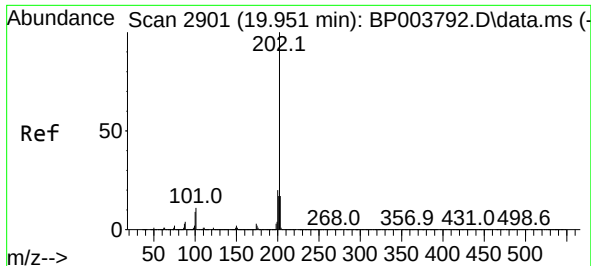
Tgt Ion:202 Resp: 7757909
Ion Ratio Lower Upper
202 100
101 11.0 0.0 29.4
203 19.0 0.0 37.8



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.663 min Scan# 3192
Delta R.T. 0.012 min
Lab File: BP003826.D
Acq: 05 Nov 2020 18:08

Tgt Ion:240 Resp: 640578
Ion Ratio Lower Upper
240 100
120 9.3 7.8 11.6
236 25.4 20.8 31.2

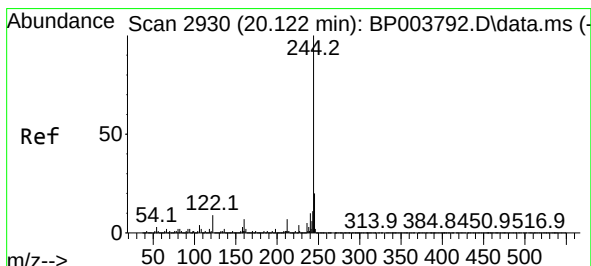
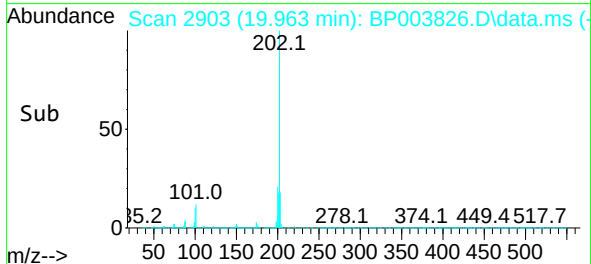
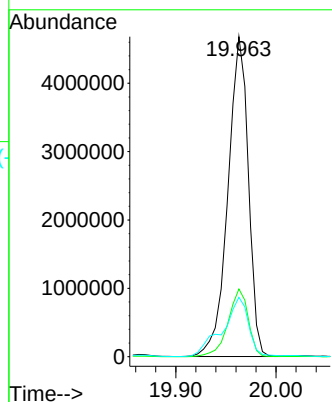
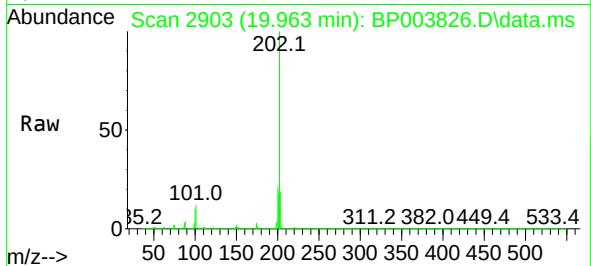




#78
Pyrene
Concen: 152.46 ng
RT: 19.963 min Scan# 2903
Delta R.T. 0.012 min
Lab File: BP003826.D
Acq: 05 Nov 2020 18:08

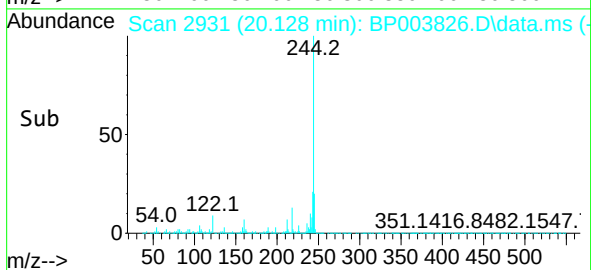
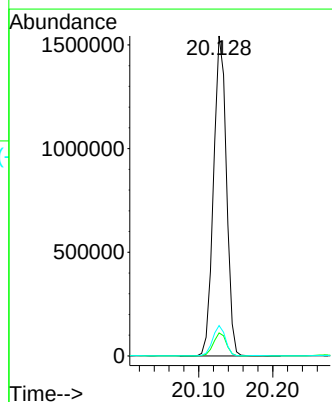
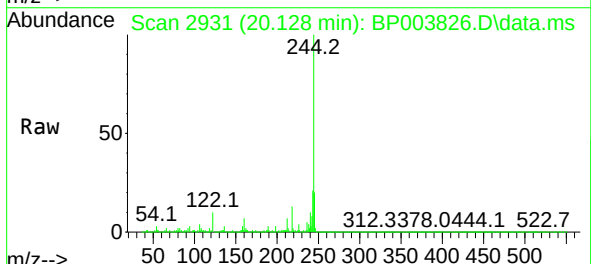
Instrument :
BNA_P
ClientSampled :
B-3

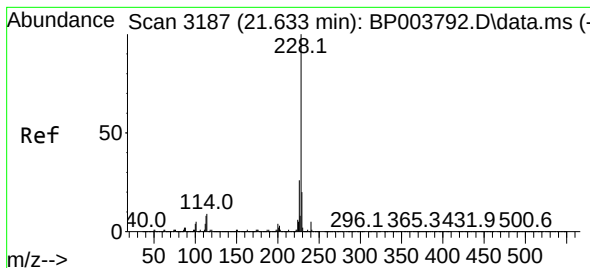
Tgt Ion:202 Resp: 6627606
Ion Ratio Lower Upper
202 100
200 21.1 17.1 25.7
203 18.6 14.2 21.2



#79
Terphenyl-d14
Concen: 56.08 ng
RT: 20.128 min Scan# 2931
Delta R.T. 0.006 min
Lab File: BP003826.D
Acq: 05 Nov 2020 18:08

Tgt Ion:244 Resp: 1859376
Ion Ratio Lower Upper
244 100
212 7.2 5.8 8.6
122 9.5 7.8 11.8





#81

Benzo(a)anthracene

Concen: 78.58 ng

RT: 21.645 min Scan# 3189

Delta R.T. 0.012 min

Lab File: BP003826.D

Acq: 05 Nov 2020 18:08

Instrument :

BNA_P

ClientSampled :

B-3

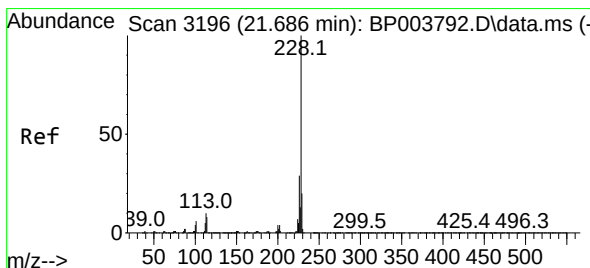
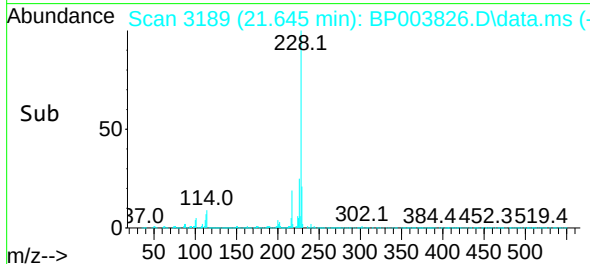
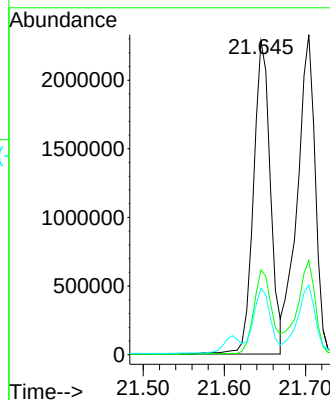
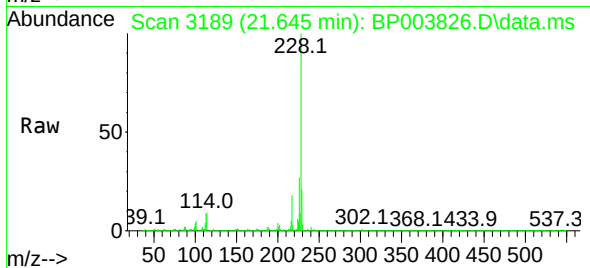
Tgt Ion:228 Resp: 3319318

Ion Ratio Lower Upper

228 100

226 27.1 22.1 33.1

229 21.2 15.9 23.9



#83

Chrysene

Concen: 87.86 ng

RT: 21.704 min Scan# 3199

Delta R.T. 0.018 min

Lab File: BP003826.D

Acq: 05 Nov 2020 18:08

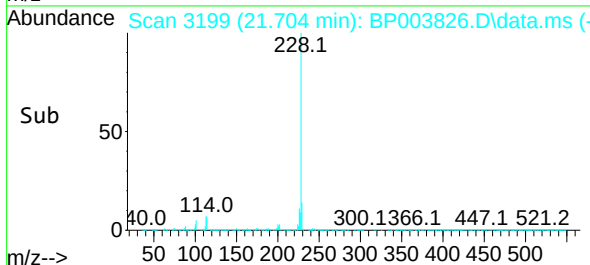
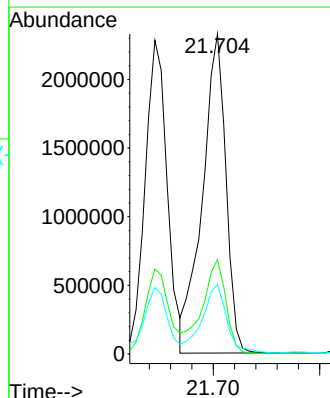
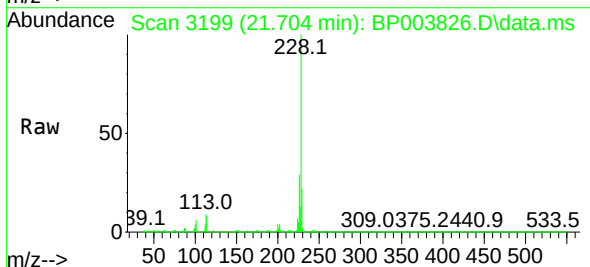
Tgt Ion:228 Resp: 3566110

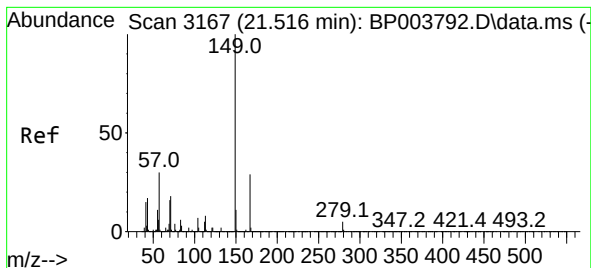
Ion Ratio Lower Upper

228 100

226 29.4 24.4 36.6

229 21.7 15.8 23.6

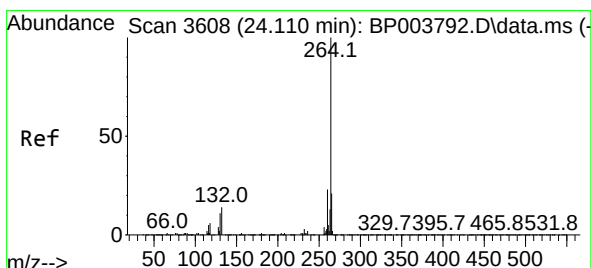
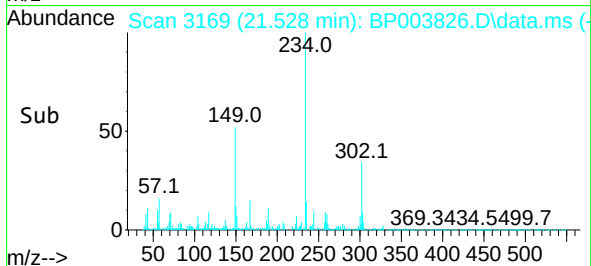
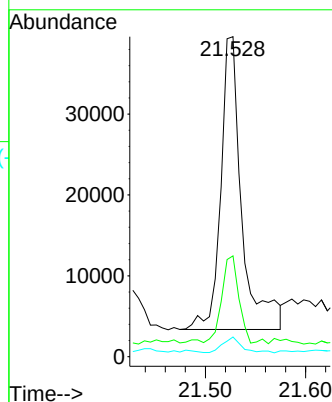
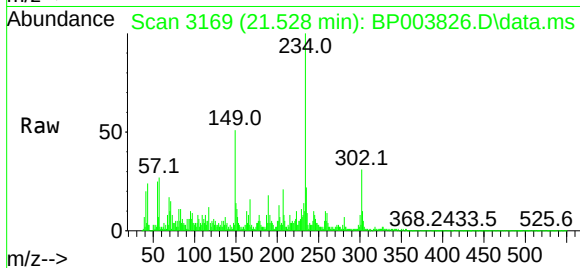




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.21 ng
RT: 21.528 min Scan# 3169
Delta R.T. 0.012 min
Lab File: BP003826.D
Acq: 05 Nov 2020 18:08

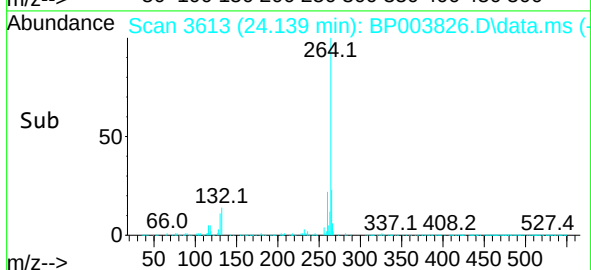
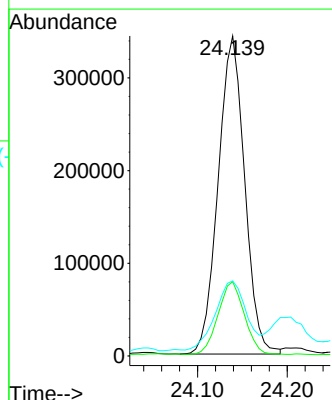
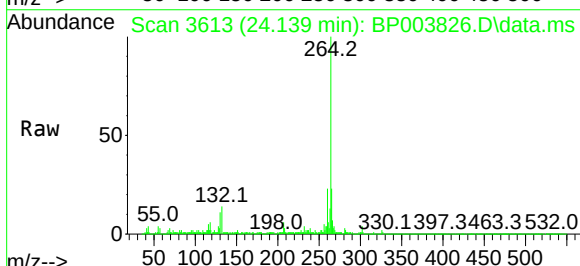
Instrument :
BNA_P
ClientSampled :
B-3

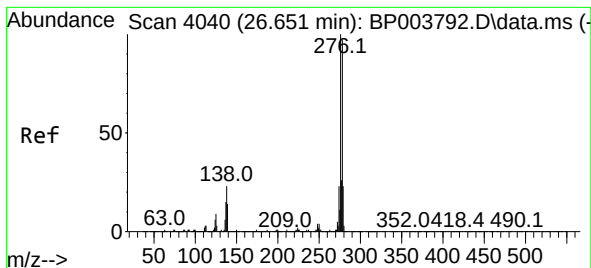
Tgt Ion:149 Resp: 52847
Ion Ratio Lower Upper
149 100
167 31.5 22.6 34.0
279 6.2 4.2 6.2



#86
Perylene-d12
Concen: 20.00 ng
RT: 24.139 min Scan# 3613
Delta R.T. 0.029 min
Lab File: BP003826.D
Acq: 05 Nov 2020 18:08

Tgt Ion:264 Resp: 703859
Ion Ratio Lower Upper
264 100
260 23.2 18.8 28.2
265 23.4 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 49.01 ng

RT: 26.698 min Scan# 4048

Delta R.T. 0.047 min

Lab File: BP003826.D

Acq: 05 Nov 2020 18:08

Instrument :

BNA_P

ClientSampleId :

B-3

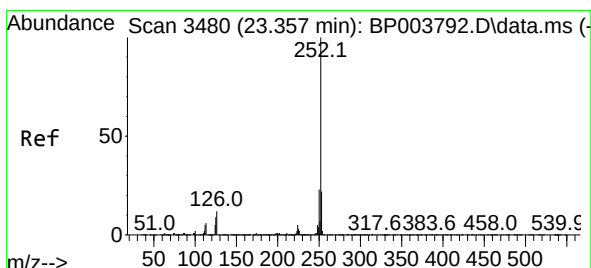
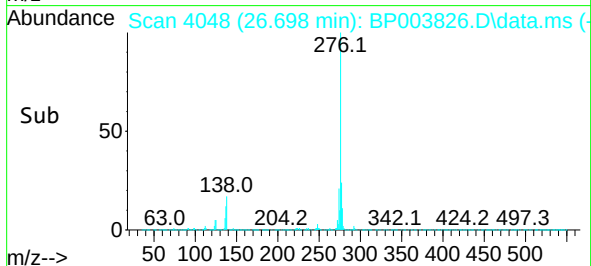
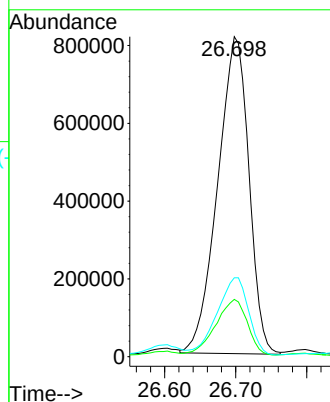
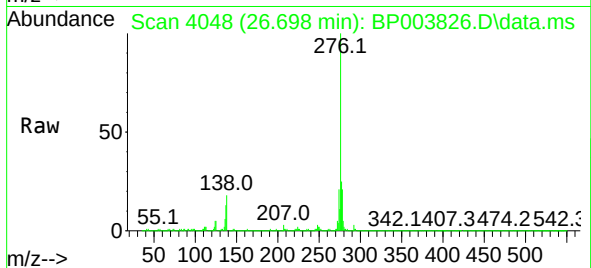
Tgt Ion:276 Resp: 2488682

Ion Ratio Lower Upper

276 100

138 18.3 18.7 28.1#

277 24.6 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 104.48 ng

RT: 23.392 min Scan# 3486

Delta R.T. 0.035 min

Lab File: BP003826.D

Acq: 05 Nov 2020 18:08

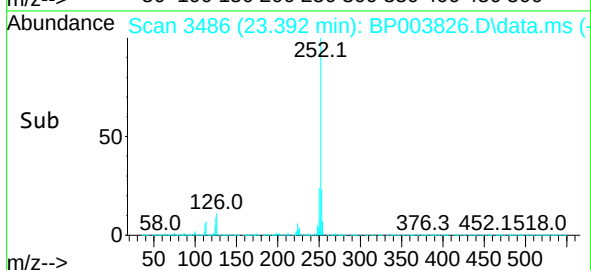
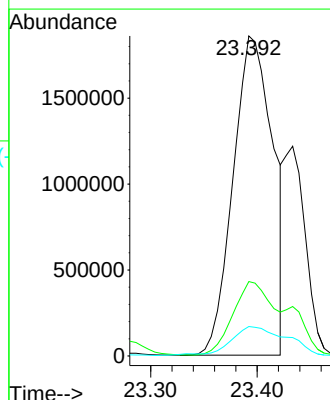
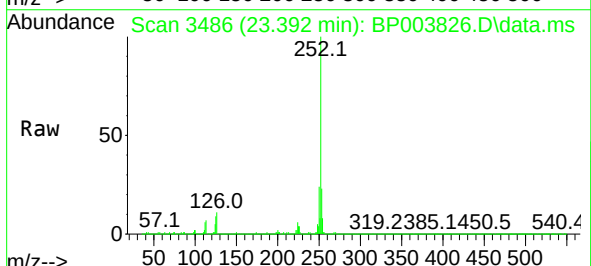
Tgt Ion:252 Resp: 4812307

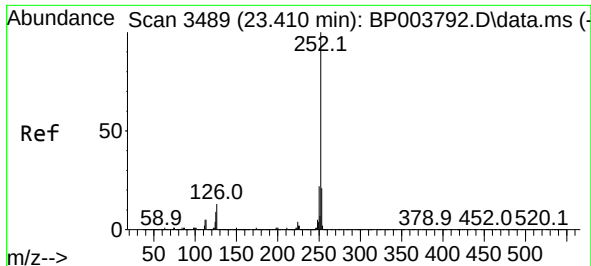
Ion Ratio Lower Upper

252 100

253 23.3 17.6 26.4

125 9.2 7.3 10.9

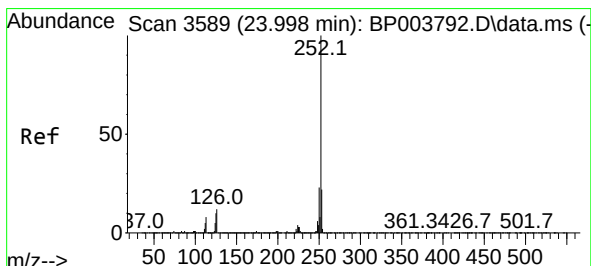
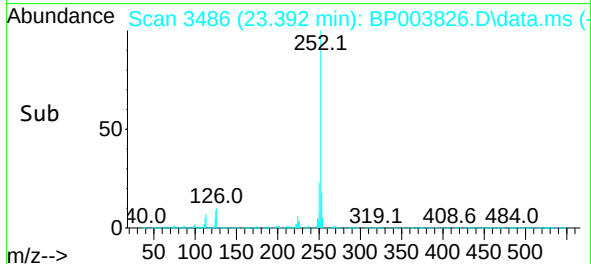
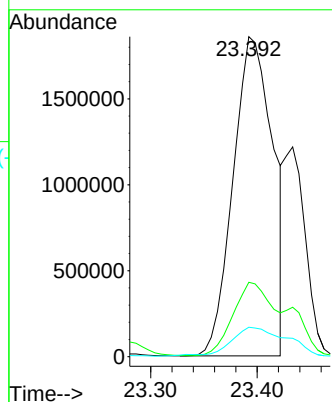
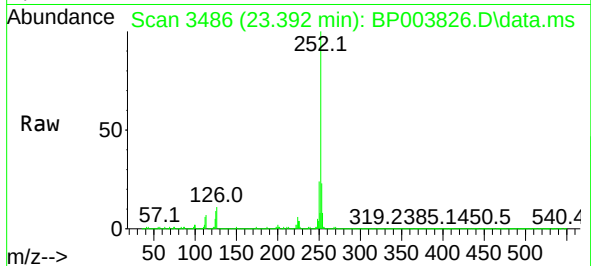




#89
Benzo(k)fluoranthene
Concen: 105.81 ng
RT: 23.392 min Scan# 3486
Delta R.T. -0.018 min
Lab File: BP003826.D
Acq: 05 Nov 2020 18:08

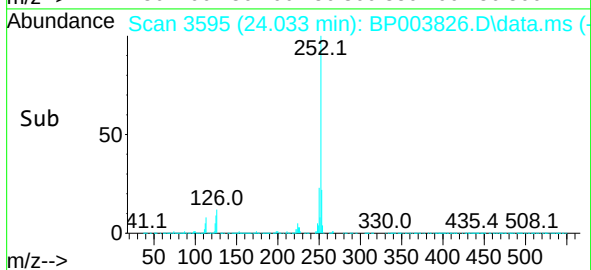
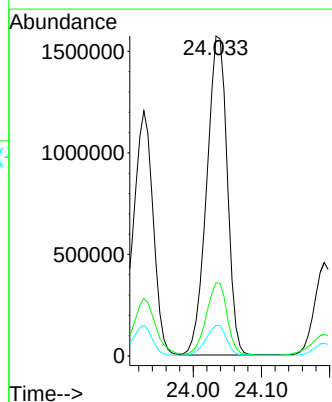
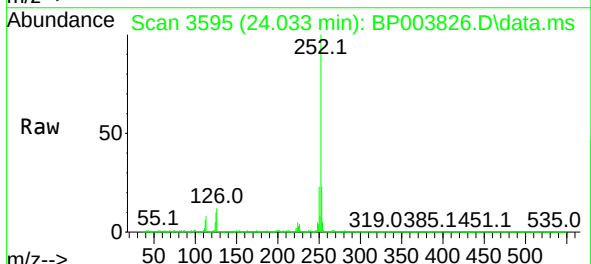
Instrument :
BNA_P
ClientSampled :
B-3

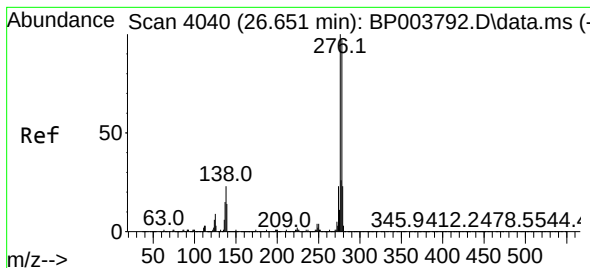
Tgt Ion:252 Resp: 4812307
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.8
125 9.2 7.4 11.2



#90
Benzo(a)pyrene
Concen: 77.04 ng
RT: 24.033 min Scan# 3595
Delta R.T. 0.035 min
Lab File: BP003826.D
Acq: 05 Nov 2020 18:08

Tgt Ion:252 Resp: 3284969
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.0
125 9.6 8.2 12.4

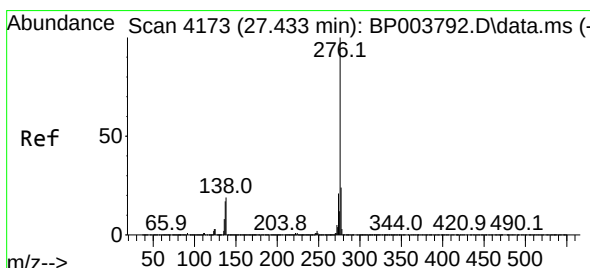
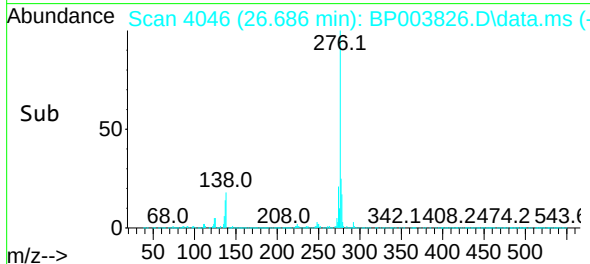
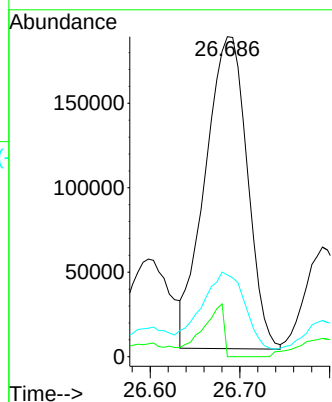
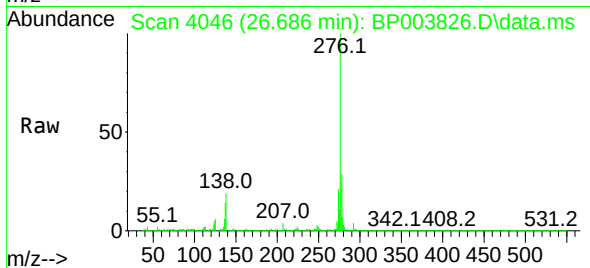




#91
Dibenzo(a,h)anthracene
Concen: 14.22 ng
RT: 26.686 min Scan# 4046
Delta R.T. 0.035 min
Lab File: BP003826.D
Acq: 05 Nov 2020 18:08

Instrument :
BNA_P
ClientSampled :
B-3

Tgt Ion:278 Resp: 601832
Ion Ratio Lower Upper
278 100
139 0.0 12.4 18.6#
279 25.5 19.0 28.6



#92
Benzo(g,h,i)perylene
Concen: 61.48 ng
RT: 27.492 min Scan# 4183
Delta R.T. 0.059 min
Lab File: BP003826.D
Acq: 05 Nov 2020 18:08

Tgt Ion:276 Resp: 2518820
Ion Ratio Lower Upper
276 100
277 24.4 19.0 28.6
138 18.6 16.6 24.8

