

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011521\
 Data File : BP004582.D
 Acq On : 15 Jan 2021 18:20
 Operator : CG/JU
 Sample : M1125-05
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 VNJ-215

Quant Time: Jan 15 21:58:55 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP011221.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 12 15:19:32 2021
 Response via : Initial Calibration

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

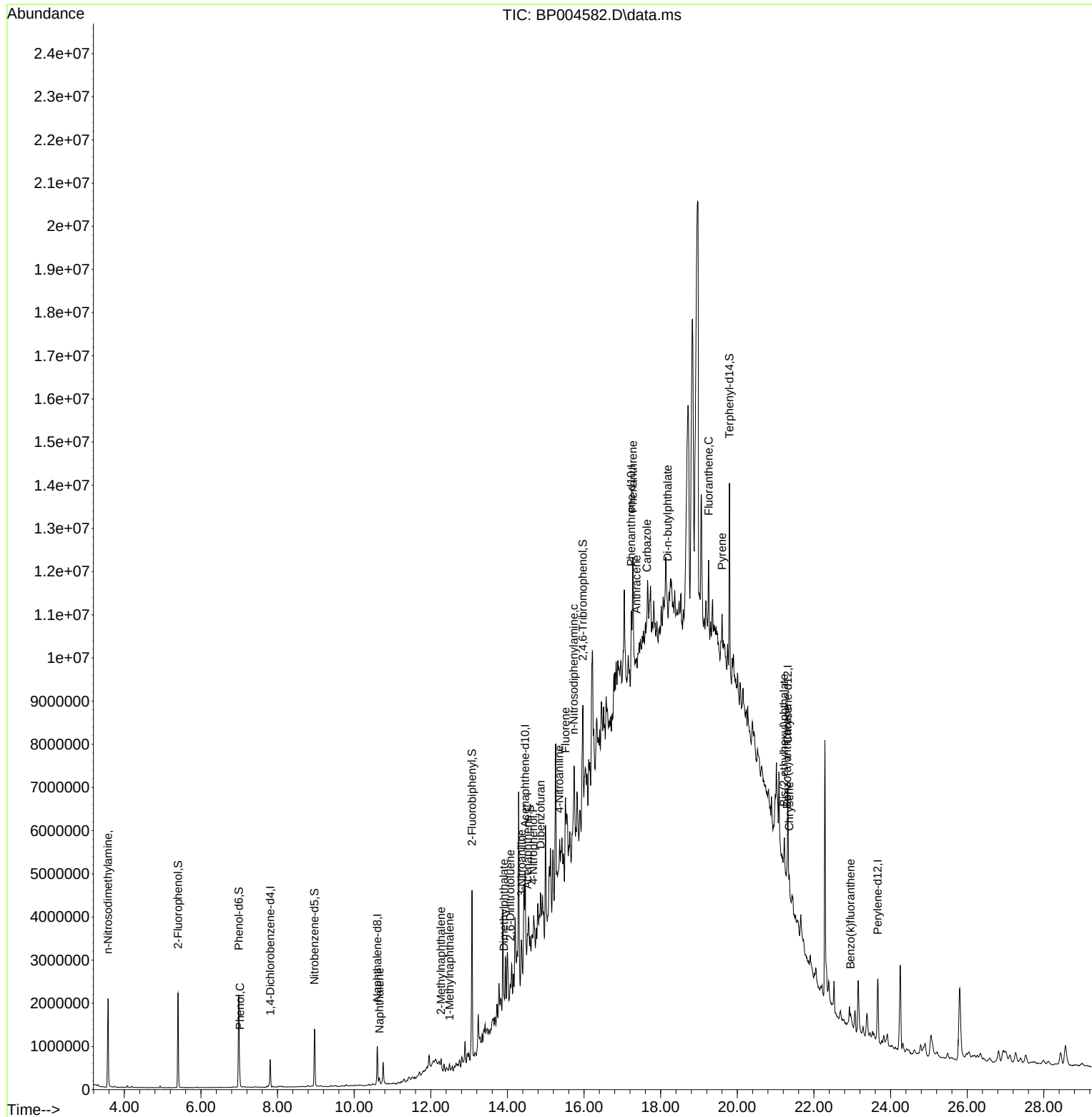
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.810	152	201677	20.00	ng	0.00
21) Naphthalene-d8	10.604	136	778928	20.00	ng	# 0.00
39) Acenaphthene-d10	14.463	164	467230	20.00	ng	0.00
64) Phenanthrene-d10	17.233	188	856894	20.00	ng	# 0.00
76) Chrysene-d12	21.321	240	1090699	20.00	ng	0.00
86) Perylene-d12	23.662	264	1205132	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.405	112	1134530	98.05	ng	0.00
7) Phenol-d6	6.987	99	1422897	89.78	ng	0.00
23) Nitrobenzene-d5	8.963	82	826786	60.01	ng	-0.01
42) 2,4,6-Tribromophenol	15.969	330	697124	85.82	ng	0.00
45) 2-Fluorobiphenyl	13.075	172	2081246	57.91	ng	0.00
79) Terphenyl-d14	19.792	244	2626028	43.99	ng	0.00
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.575	42	68605	17.31	ng	# 1
9) Benzaldehyde	6.987	77	4057	Below Cal		# 14
10) Phenol	7.016	94	158403	10.42	ng	97
31) Naphthalene	10.657	128	91954	2.15	ng	99
32) Benzoic acid	9.875	122	2881	Below Cal		# 32
37) 2-Methylnaphthalene	12.269	142	97917	3.11	ng	97
38) 1-Methylnaphthalene	12.492	142	61442	2.06	ng	# 96
41) Hexachlorocyclopentadiene	12.357	237	26	Below Cal		92
50) Dimethylphthalate	13.910	163	123733	3.20	ng	# 78
51) 2,6-Dinitrotoluene	14.075	165	33485	4.06	ng	# 44
52) Acenaphthene	14.522	154	202815	7.20	ng	96
53) 3-Nitroaniline	14.369	138	46841	5.21	ng	# 25
54) 2,4-Dinitrophenol	14.569	184	726	Below Cal		# 1
55) Dibenzofuran	14.863	168	376548	8.26	ng	# 87
56) 4-Nitrophenol	14.675	139	21409	3.43	ng	# 1
58) Fluorene	15.516	166	332612	9.14	ng	# 85
62) 4-Nitroaniline	15.351	138	86207	9.09	ng	84
66) n-Nitrosodiphenylamine	15.733	169	141312	5.32	ng	# 51
71) Phenanthrene	17.275	178	2035392	41.43	ng	# 95
72) Anthracene	17.369	178	115975	2.44	ng	# 32
73) Carbazole	17.639	167	105070	2.37	ng	# 21
74) Di-n-butylphthalate	18.180	149	111250	2.07	ng	# 37
75) Fluoranthene	19.251	202	1308469	21.89	ng	93
78) Pyrene	19.604	202	747277	10.07	ng	# 94
81) Benzo(a)anthracene	21.304	228	218481	2.94	ng	# 92
83) Chrysene	21.357	228	205422	2.91	ng	# 91
84) Bis(2-ethylhexyl)phtha...	21.216	149	156793	3.66	ng	# 75
89) Benzo(k)fluoranthene	22.957	252	150783	2.03	ng	# 70

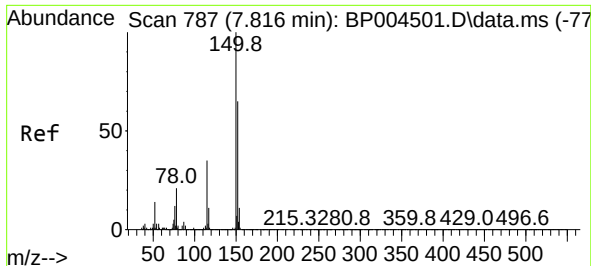
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP011521\
Data File : BP004582.D
Acq On : 15 Jan 2021 18:20
Operator : CG/JU
Sample : M1125-05
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
VNJ-215

Quant Time: Jan 15 21:58:55 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270E-BP011221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 12 15:19:32 2021
Response via : Initial Calibration

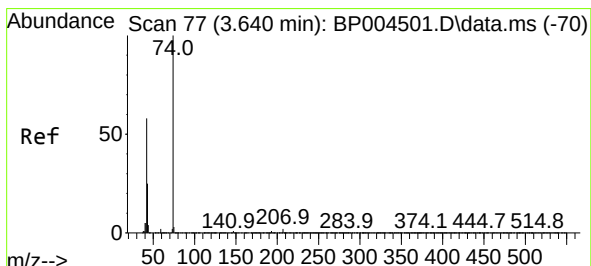
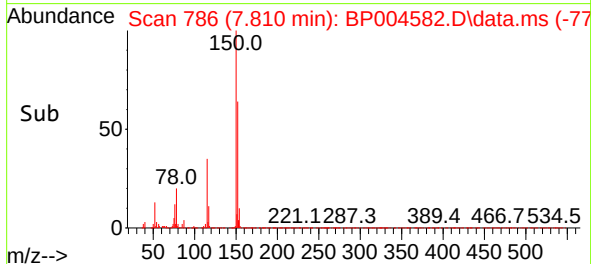
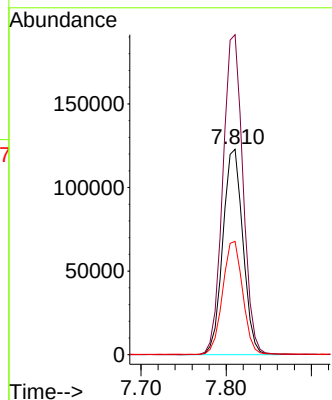
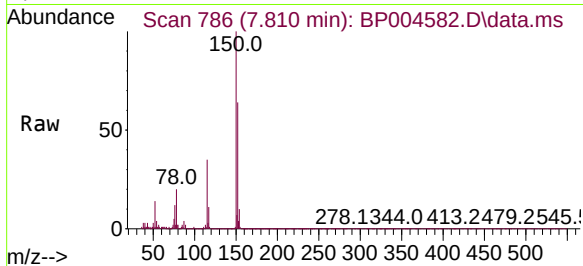




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.810 min Scan# 786
Delta R.T. -0.006 min
Lab File: BP004582.D
Acq: 15 Jan 2021 18:20

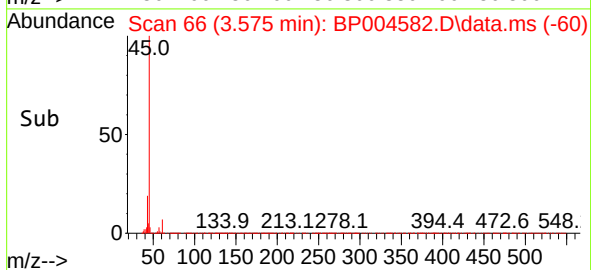
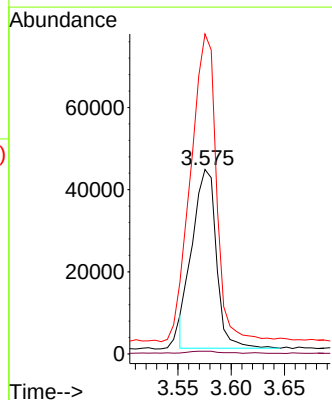
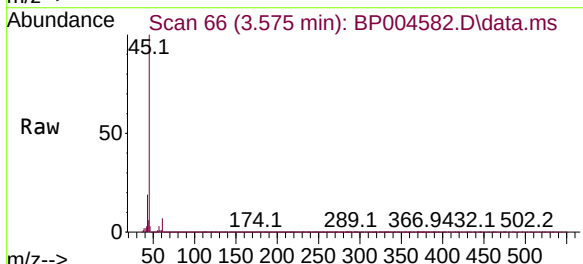
Instrument :
BNA_P
ClientSampleId :
VNJ-215

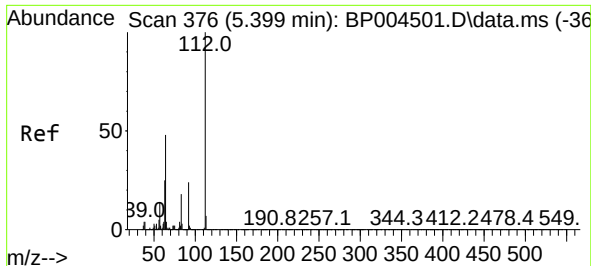
Tgt Ion:152 Resp: 201677
Ion Ratio Lower Upper
152 100
150 155.7 123.8 185.6
115 55.1 43.8 65.6



#4
n-Nitrosodimethylamine
Concen: 17.31 ng
RT: 3.575 min Scan# 66
Delta R.T. -0.065 min
Lab File: BP004582.D
Acq: 15 Jan 2021 18:20

Tgt Ion: 42 Resp: 68605
Ion Ratio Lower Upper
42 100
74 1.5 148.6 223.0#
44 173.5 5.3 7.9#

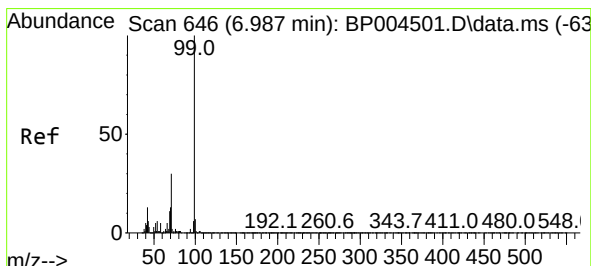
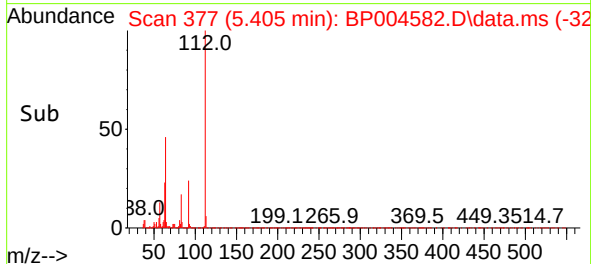
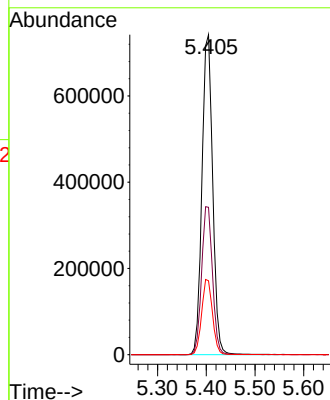
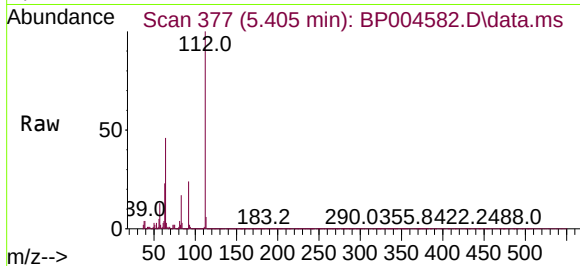




#5
2-Fluorophenol
Concen: 98.05 ng
RT: 5.405 min Scan# 377
Delta R.T. 0.006 min
Lab File: BP004582.D
Acq: 15 Jan 2021 18:20

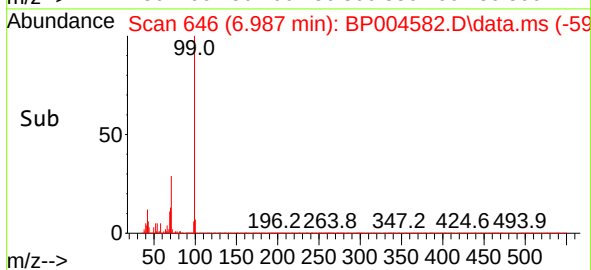
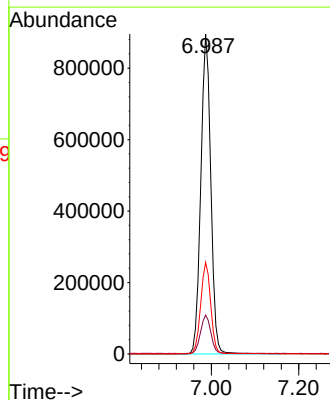
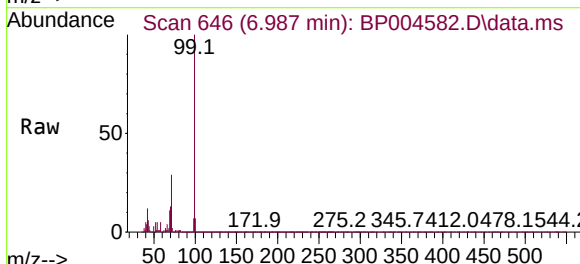
Instrument :
BNA_P
ClientSampled :
VNJ-215

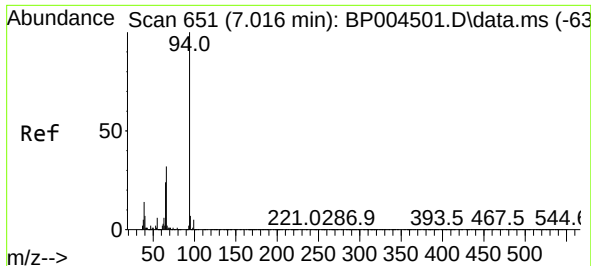
Tgt Ion:112 Resp: 1134530
Ion Ratio Lower Upper
112 100
64 46.1 32.8 49.2
63 23.1 17.0 25.4



#7
Phenol-d6
Concen: 89.78 ng
RT: 6.987 min Scan# 646
Delta R.T. -0.000 min
Lab File: BP004582.D
Acq: 15 Jan 2021 18:20

Tgt Ion: 99 Resp: 1422897
Ion Ratio Lower Upper
99 100
42 12.2 8.6 13.0
71 28.6 23.4 35.2

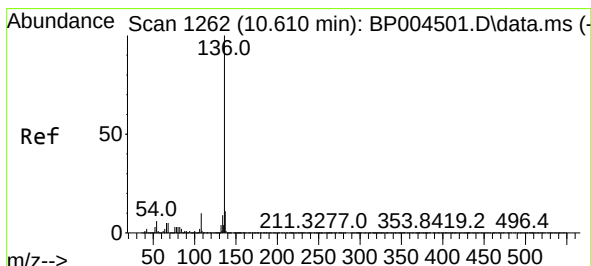
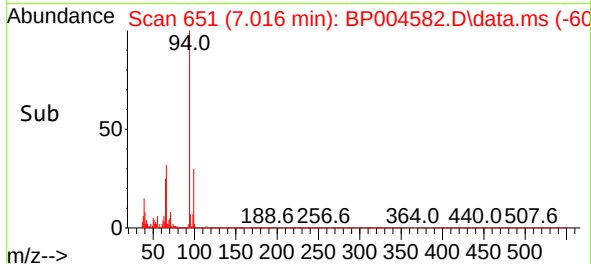
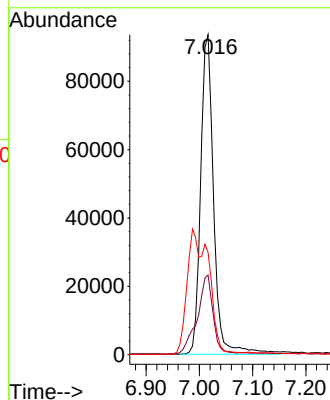
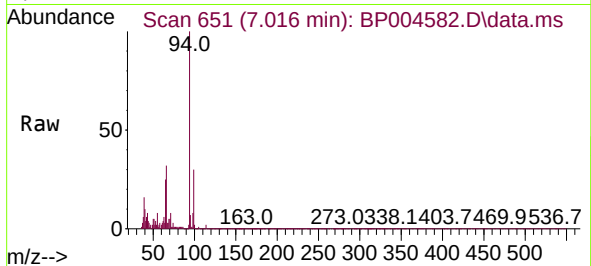




#10
Phenol
Concen: 10.42 ng
RT: 7.016 min Scan# 651
Delta R.T. -0.000 min
Lab File: BP004582.D
Acq: 15 Jan 2021 18:20

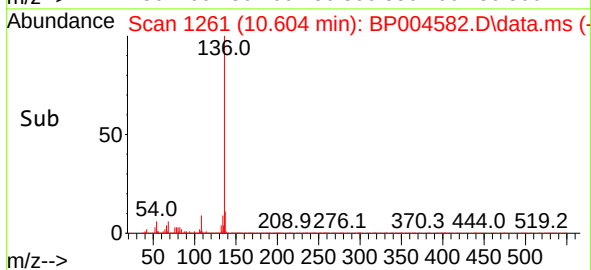
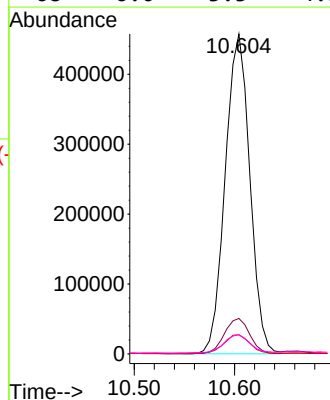
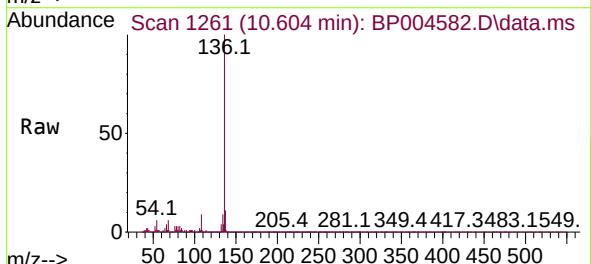
Instrument :
BNA_P
ClientSampleId :
VNJ-215

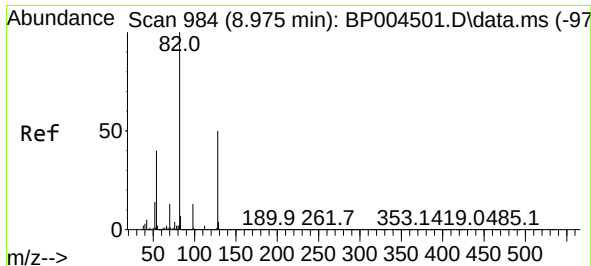
Tgt Ion: 94 Resp: 158403
Ion Ratio Lower Upper
94 100
65 24.9 2.3 42.3
66 32.0 10.9 50.9



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.604 min Scan# 1261
Delta R.T. -0.006 min
Lab File: BP004582.D
Acq: 15 Jan 2021 18:20

Tgt Ion: 136 Resp: 778928
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 6.0 3.6 5.4#
68 6.0 3.3 4.9#

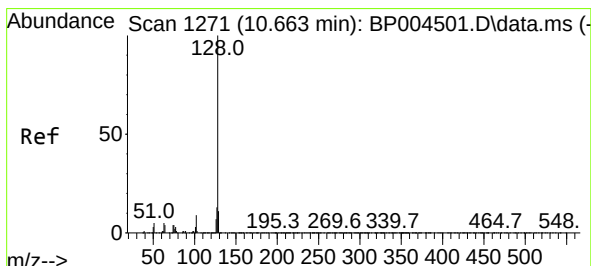
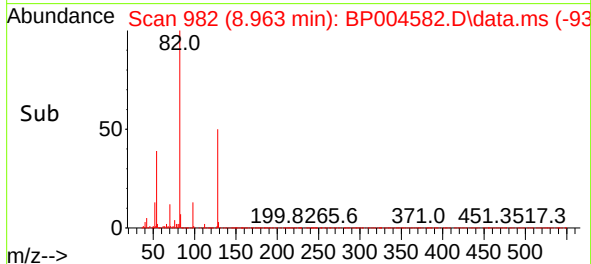
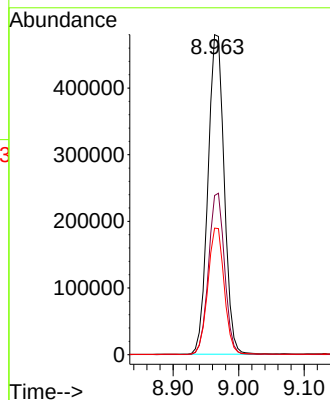
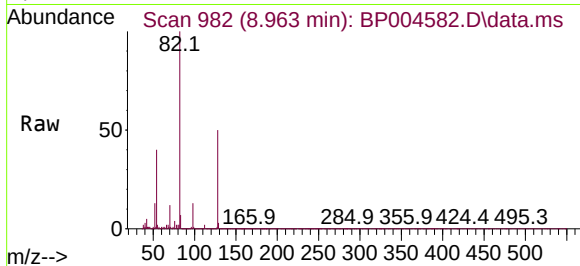




#23
Nitrobenzene-d5
Concen: 60.01 ng
RT: 8.963 min Scan# 982
Delta R.T. -0.012 min
Lab File: BP004582.D
Acq: 15 Jan 2021 18:20

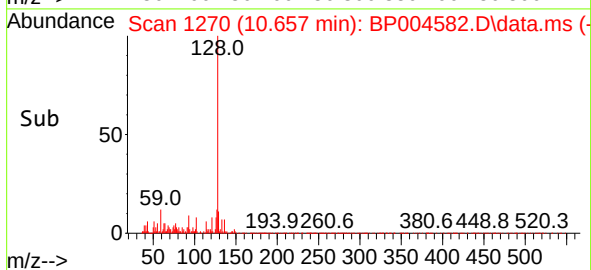
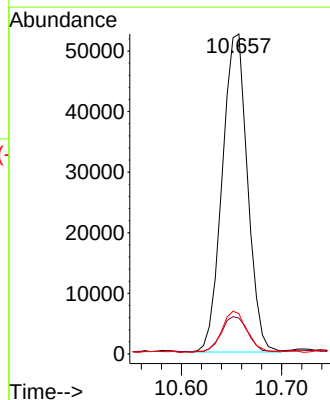
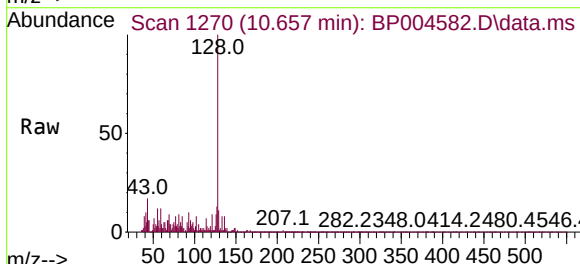
Instrument :
BNA_P
ClientSampleId :
VNJ-215

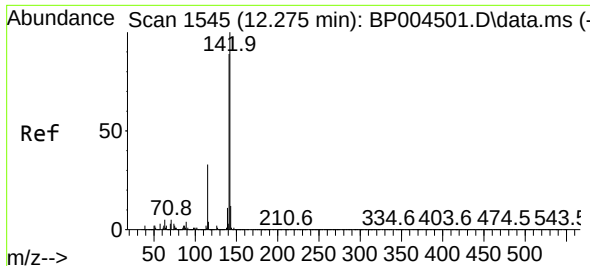
Tgt Ion: 82 Resp: 826786
Ion Ratio Lower Upper
82 100
128 49.8 45.6 68.4
54 39.5 30.1 45.1



#31
Naphthalene
Concen: 2.15 ng
RT: 10.657 min Scan# 1270
Delta R.T. -0.006 min
Lab File: BP004582.D
Acq: 15 Jan 2021 18:20

Tgt Ion: 128 Resp: 91954
Ion Ratio Lower Upper
128 100
129 11.2 8.8 13.2
127 12.6 10.6 15.8

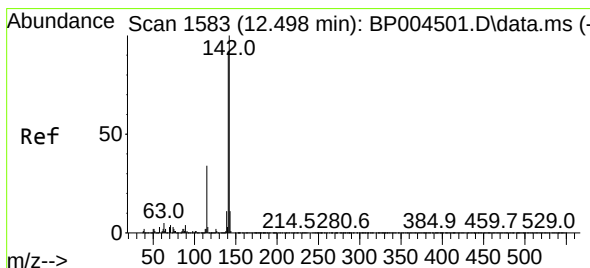
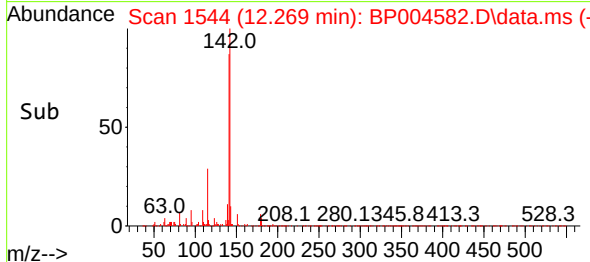
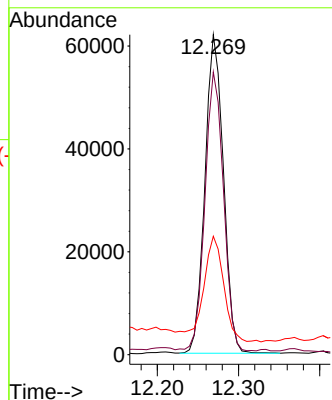
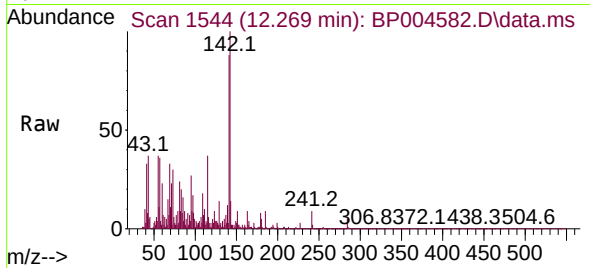




#37
2-Methylnaphthalene
Concen: 3.11 ng
RT: 12.269 min Scan# 1544
Delta R.T. -0.006 min
Lab File: BP004582.D
Acq: 15 Jan 2021 18:20

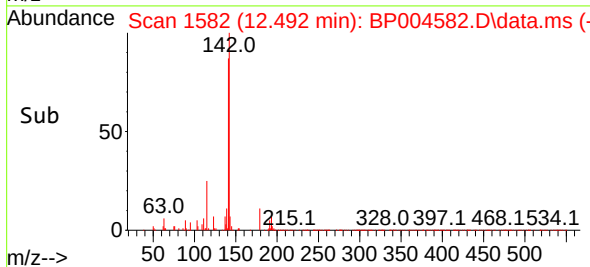
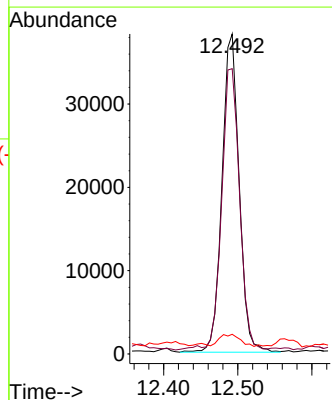
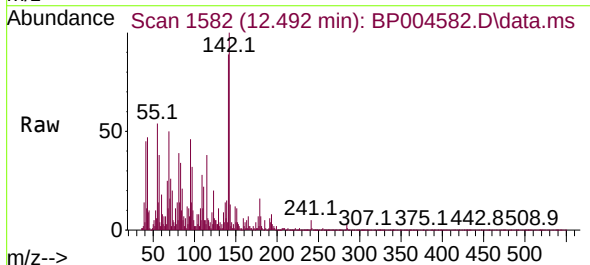
Instrument :
BNA_P
ClientSampleID :
VNJ-215

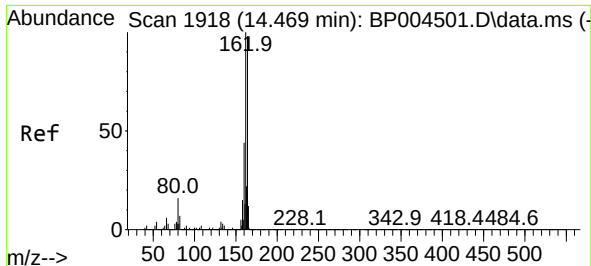
Tgt Ion:142	Resp:	97917
Ion Ratio	Lower	Upper
142	100	
141	88.4	71.4 107.2
115	37.0	25.8 38.6



#38
1-Methylnaphthalene
Concen: 2.06 ng
RT: 12.492 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BP004582.D
Acq: 15 Jan 2021 18:20

Tgt Ion:142	Resp:	61442
Ion Ratio	Lower	Upper
142	100	
141	89.2	74.4 111.6
116	6.2	2.9 4.3#

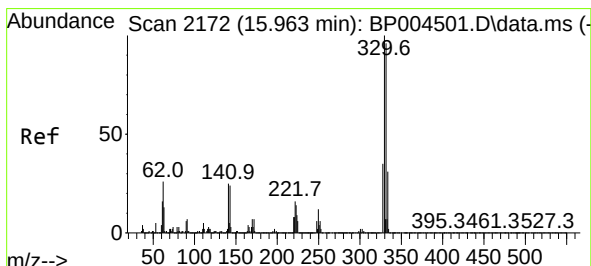
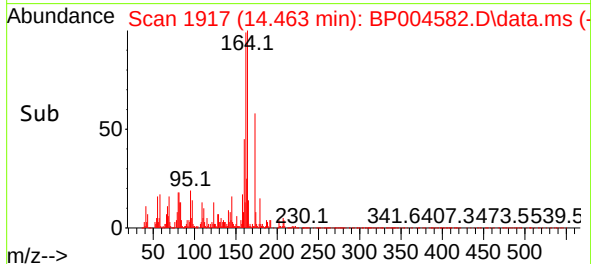
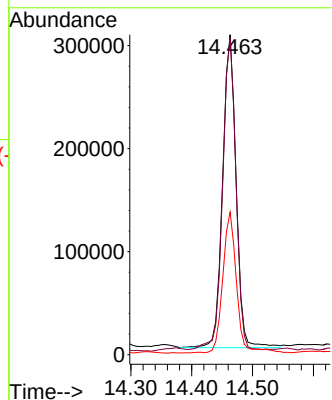
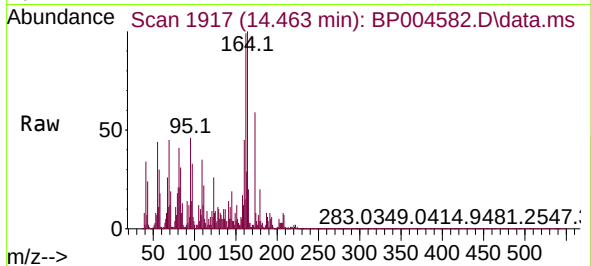




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.463 min Scan# 1917
Delta R.T. -0.006 min
Lab File: BP004582.D
Acq: 15 Jan 2021 18:20

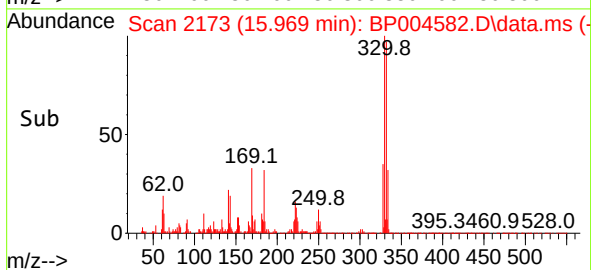
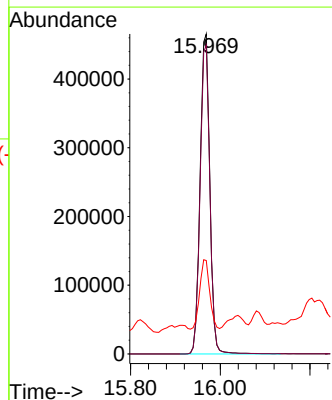
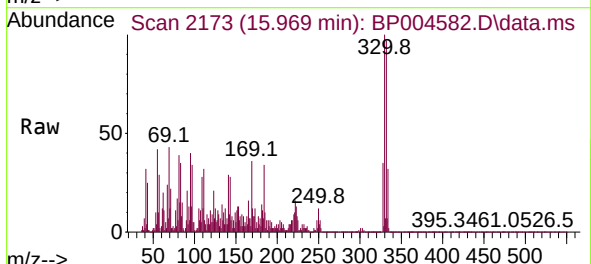
Instrument :
BNA_P
ClientSampleId :
VNJ-215

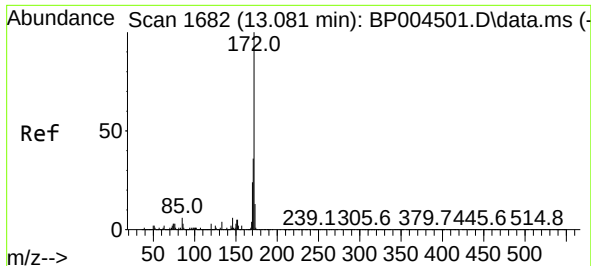
Tgt Ion:164 Resp: 467230
Ion Ratio Lower Upper
164 100
162 99.1 79.4 119.2
160 44.6 36.1 54.1



#42
2,4,6-Tribromophenol
Concen: 85.82 ng
RT: 15.969 min Scan# 2173
Delta R.T. 0.006 min
Lab File: BP004582.D
Acq: 15 Jan 2021 18:20

Tgt Ion:330 Resp: 697124
Ion Ratio Lower Upper
330 100
332 96.9 77.1 115.7
141 22.1 23.4 35.2#

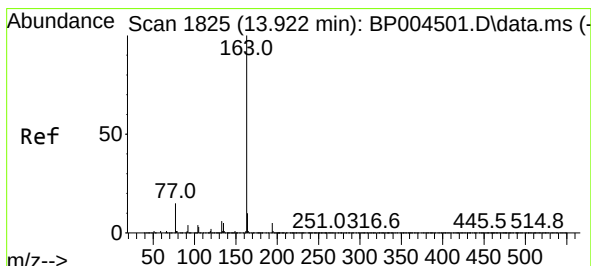
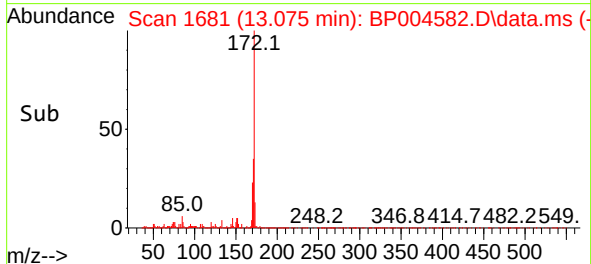
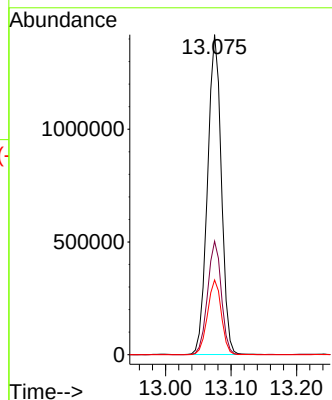
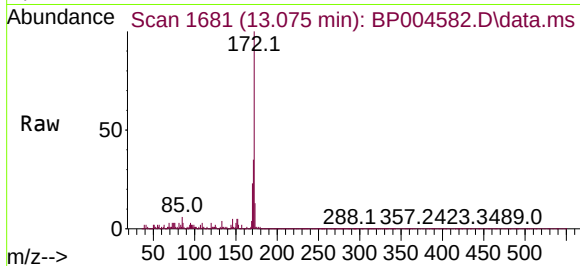




#45
2-Fluorobiphenyl
Concen: 57.91 ng
RT: 13.075 min Scan# 1681
Delta R.T. -0.006 min
Lab File: BP004582.D
Acq: 15 Jan 2021 18:20

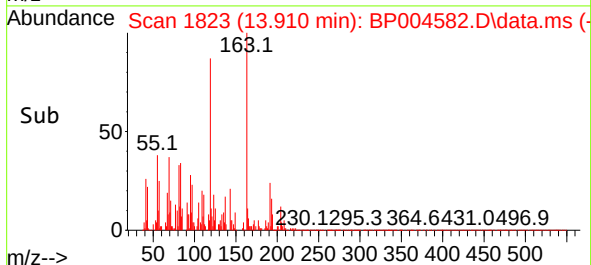
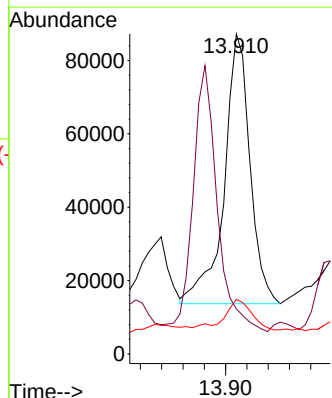
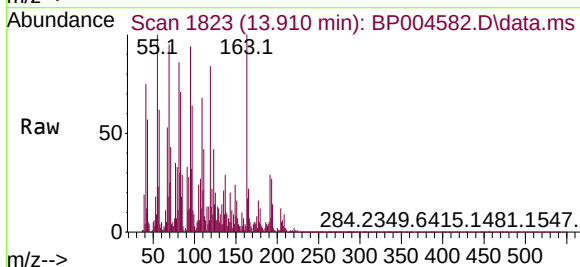
Instrument :
BNA_P
ClientSampleId :
VNJ-215

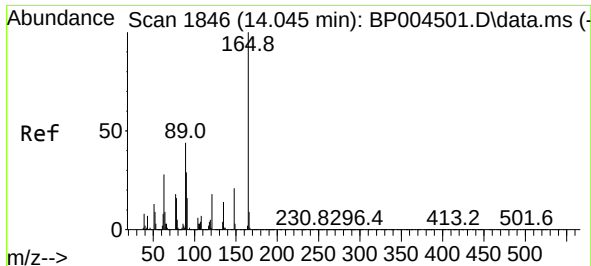
Tgt Ion:172 Resp: 2081246
Ion Ratio Lower Upper
172 100
171 35.5 28.5 42.7
170 23.4 19.2 28.8



#50
Dimethylphthalate
Concen: 3.20 ng
RT: 13.910 min Scan# 1823
Delta R.T. -0.012 min
Lab File: BP004582.D
Acq: 15 Jan 2021 18:20

Tgt Ion:163 Resp: 123733
Ion Ratio Lower Upper
163 100
194 14.0 3.3 4.9#
164 17.1 8.2 12.2#

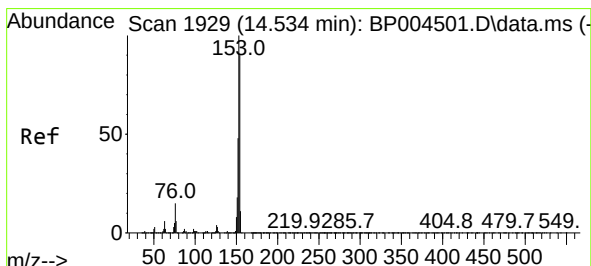
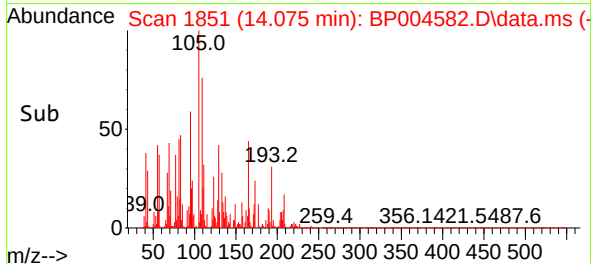
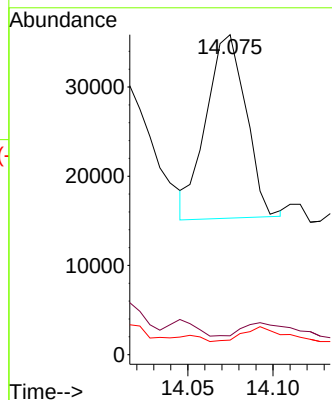
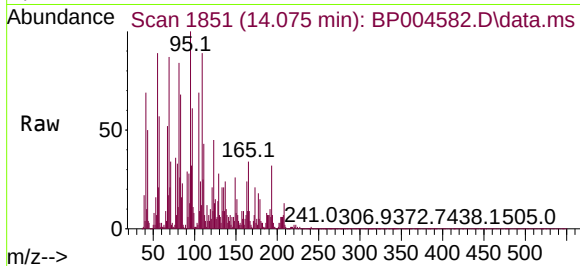




#51
2,6-Dinitrotoluene
Concen: 4.06 ng
RT: 14.075 min Scan# 1851
Delta R.T. 0.029 min
Lab File: BP004582.D
Acq: 15 Jan 2021 18:20

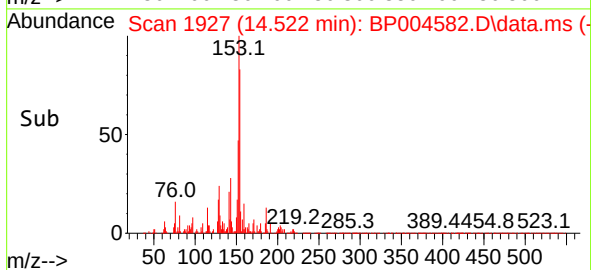
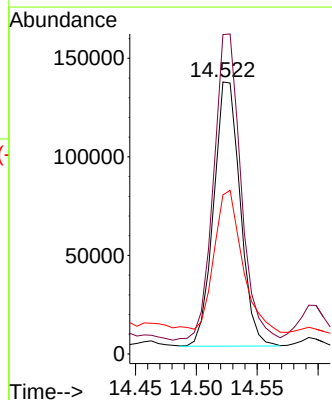
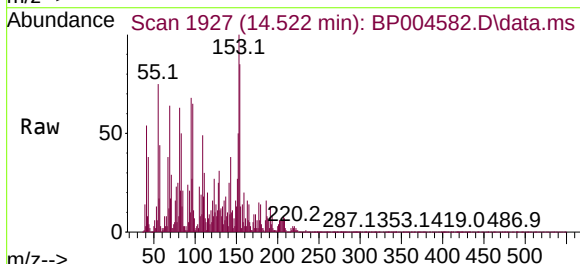
Instrument :
BNA_P
ClientSampleId :
VNJ-215

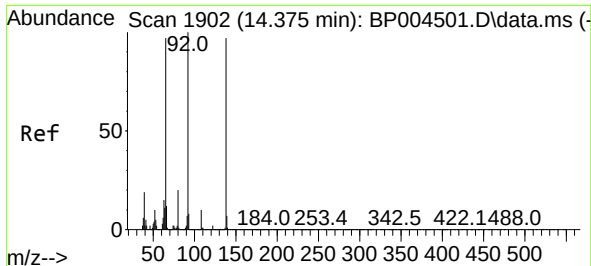
Tgt Ion:165 Resp: 33485
Ion Ratio Lower Upper
165 100
63 5.9 27.8 41.6#
89 4.5 34.6 52.0#



#52
Acenaphthene
Concen: 7.20 ng
RT: 14.522 min Scan# 1927
Delta R.T. -0.012 min
Lab File: BP004582.D
Acq: 15 Jan 2021 18:20

Tgt Ion:154 Resp: 202815
Ion Ratio Lower Upper
154 100
153 117.4 91.0 136.6
152 58.5 43.0 64.6

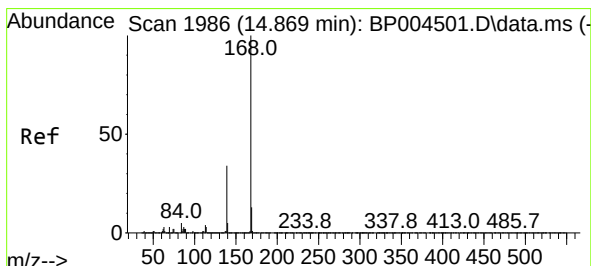
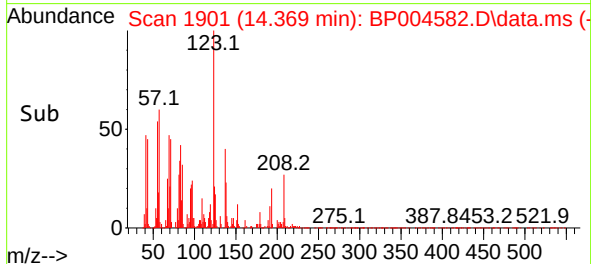
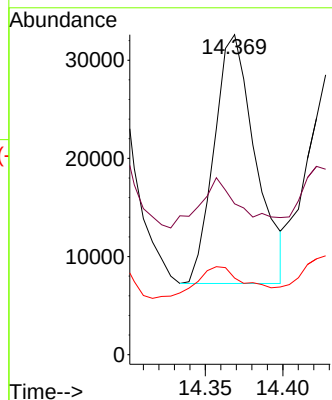
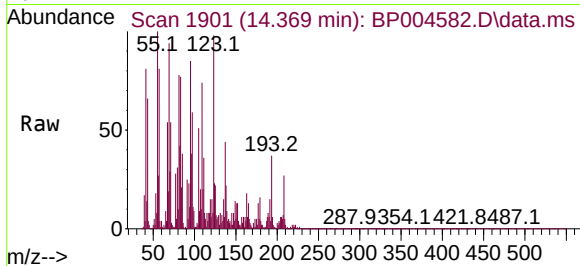




#53
3-Nitroaniline
Concen: 5.21 ng
RT: 14.369 min Scan# 1901
Delta R.T. -0.006 min
Lab File: BP004582.D
Acq: 15 Jan 2021 18:20

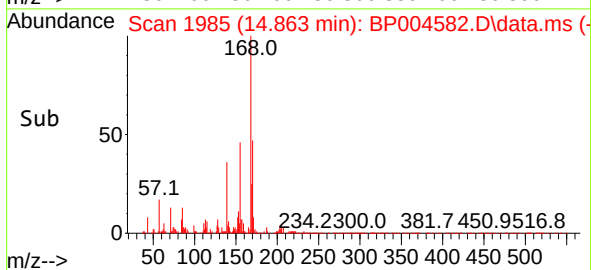
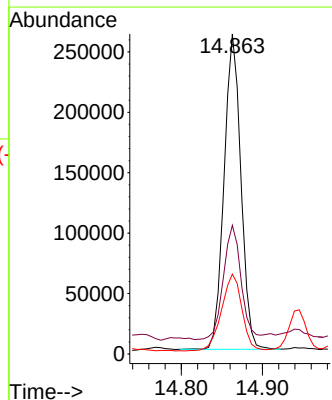
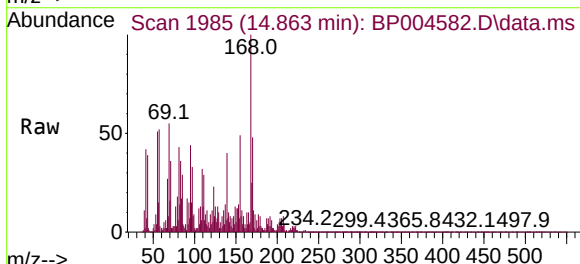
Instrument :
BNA_P
ClientSampleId :
VNJ-215

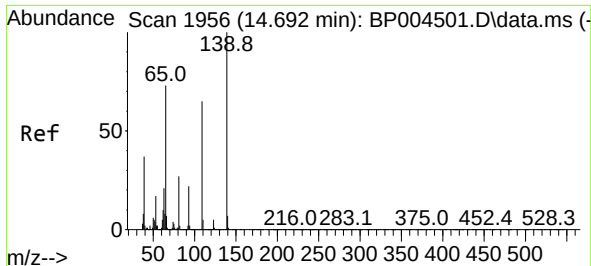
Tgt Ion:138 Resp: 46841
Ion Ratio Lower Upper
138 100
108 47.1 7.5 11.3#
92 24.0 75.0 112.6#



#55
Dibenzofuran
Concen: 8.26 ng
RT: 14.863 min Scan# 1985
Delta R.T. -0.006 min
Lab File: BP004582.D
Acq: 15 Jan 2021 18:20

Tgt Ion:168 Resp: 376548
Ion Ratio Lower Upper
168 100
139 40.2 29.1 43.7
169 25.0 10.4 15.6#

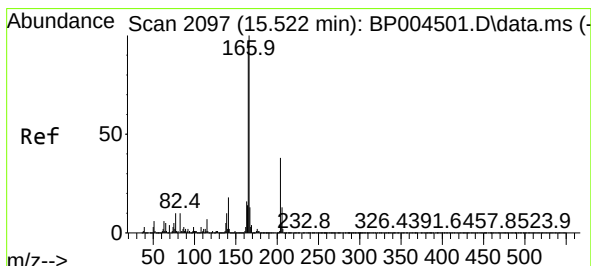
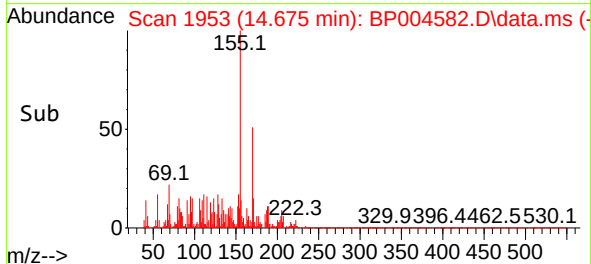
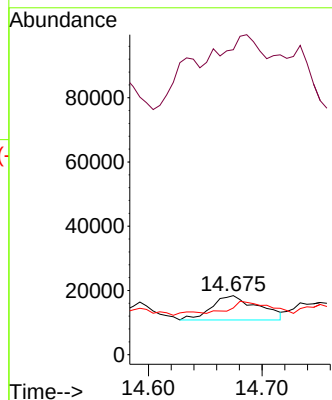
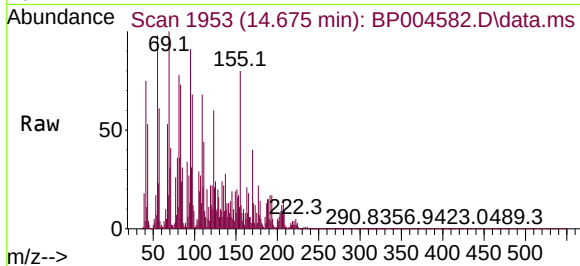




#56
4-Nitrophenol
Concen: 3.43 ng
RT: 14.675 min Scan# 1953
Delta R.T. -0.018 min
Lab File: BP004582.D
Acq: 15 Jan 2021 18:20

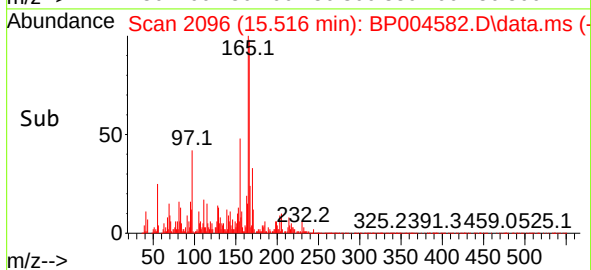
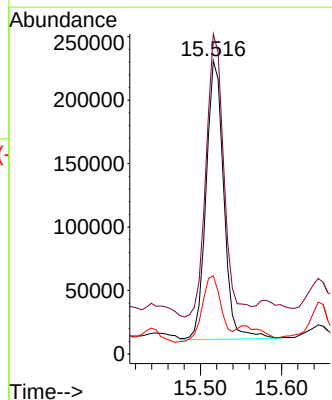
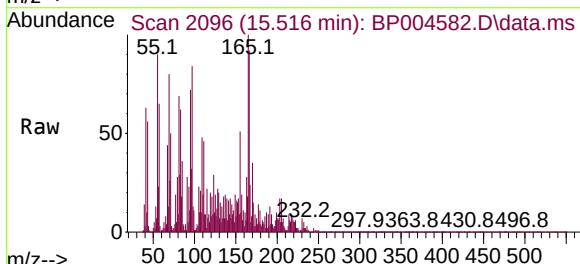
Instrument :
BNA_P
ClientSampled :
VNJ-215

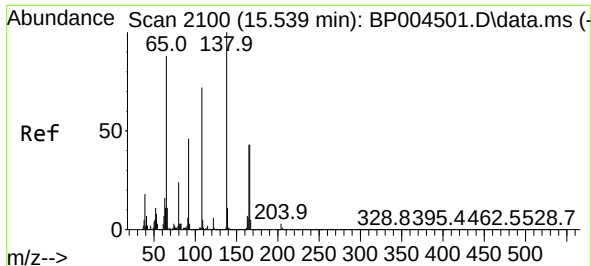
Tgt Ion:139 Resp: 21409
Ion Ratio Lower Upper
139 100
109 517.2 44.6 84.6#
65 79.1 41.6 81.6



#58
Fluorene
Concen: 9.14 ng
RT: 15.516 min Scan# 2096
Delta R.T. -0.006 min
Lab File: BP004582.D
Acq: 15 Jan 2021 18:20

Tgt Ion:166 Resp: 332612
Ion Ratio Lower Upper
166 100
165 109.2 77.8 116.8
167 26.6 11.0 16.4#

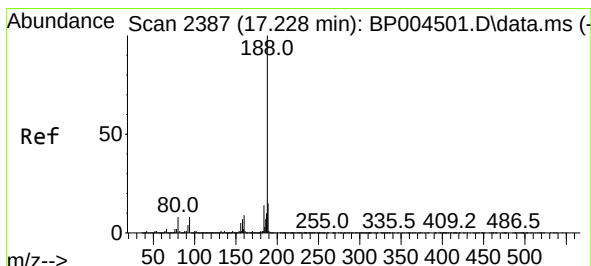
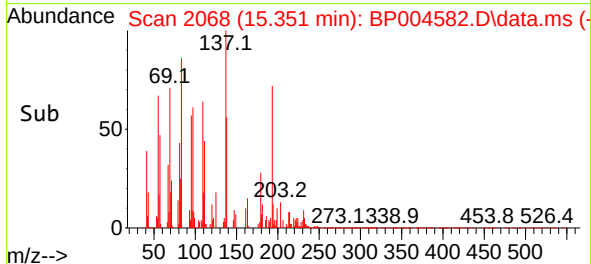
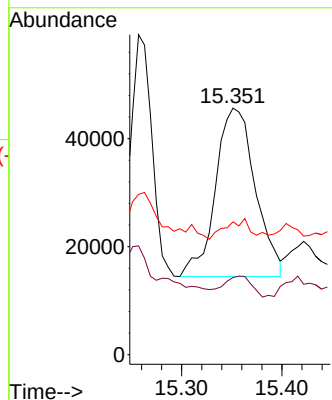
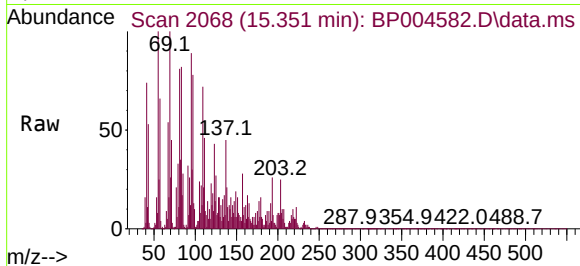




#62
4-Nitroaniline
Concen: 9.09 ng
RT: 15.351 min Scan# 2068
Delta R.T. -0.188 min
Lab File: BP004582.D
Acq: 15 Jan 2021 18:20

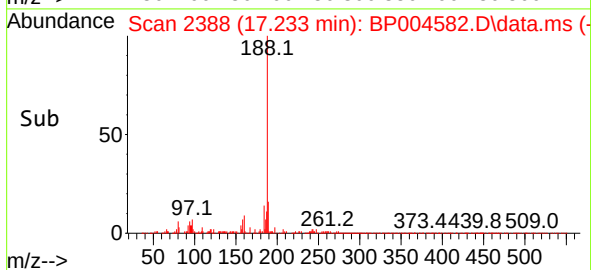
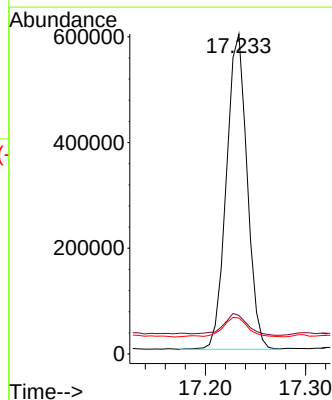
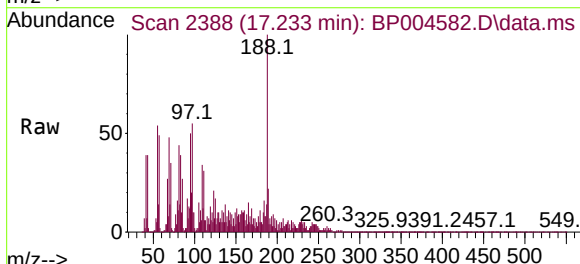
Instrument :
BNA_P
ClientSampleId :
VNJ-215

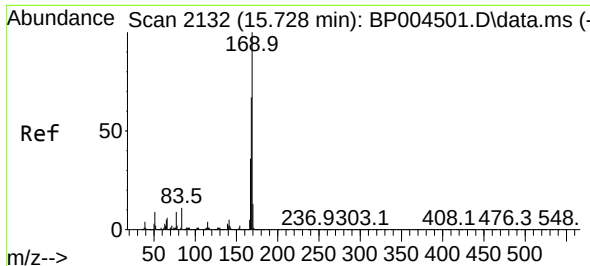
Tgt Ion:138 Resp: 86207
Ion Ratio Lower Upper
138 100
92 31.3 20.7 60.7
108 53.9 47.8 87.8



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.233 min Scan# 2388
Delta R.T. 0.005 min
Lab File: BP004582.D
Acq: 15 Jan 2021 18:20

Tgt Ion:188 Resp: 856894
Ion Ratio Lower Upper
188 100
94 12.0 6.2 9.2#
80 11.2 6.2 9.2#

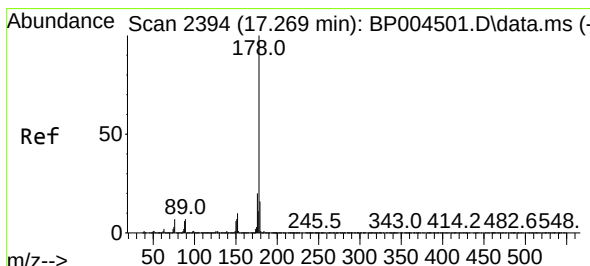
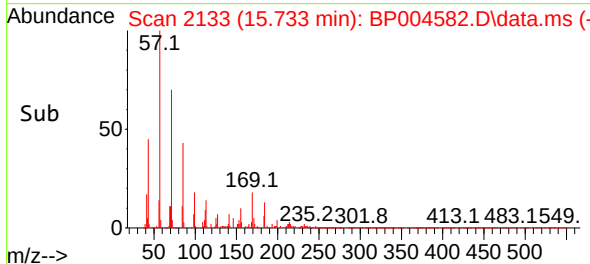
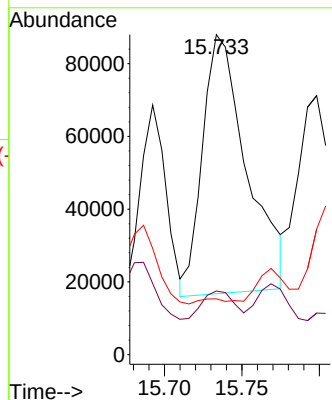
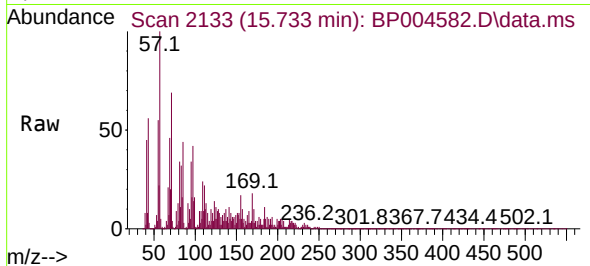




#66
n-Nitrosodiphenylamine
Concen: 5.32 ng
RT: 15.733 min Scan# 2133
Delta R.T. 0.006 min
Lab File: BP004582.D
Acq: 15 Jan 2021 18:20

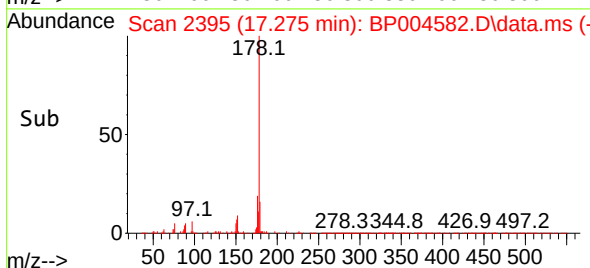
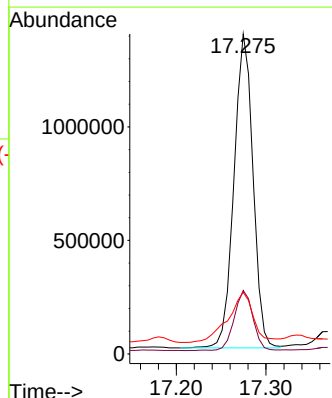
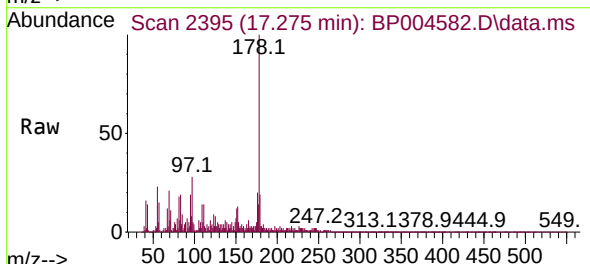
Instrument :
BNA_P
ClientSampleId :
VNJ-215

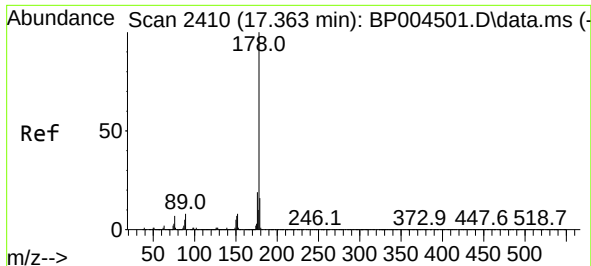
Tgt Ion:169 Resp: 141312
Ion Ratio Lower Upper
169 100
168 19.9 53.8 80.6#
167 17.5 28.9 43.3#



#71
Phenanthrene
Concen: 41.43 ng
RT: 17.275 min Scan# 2395
Delta R.T. 0.006 min
Lab File: BP004582.D
Acq: 15 Jan 2021 18:20

Tgt Ion:178 Resp: 2035392
Ion Ratio Lower Upper
178 100
176 19.9 15.3 22.9
179 19.2 12.5 18.7#

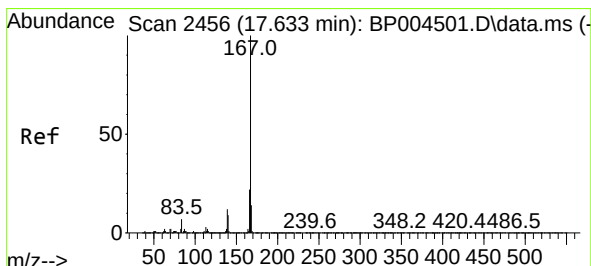
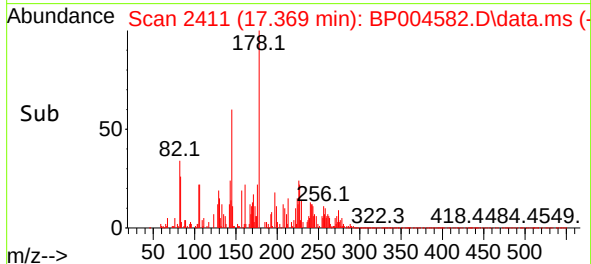
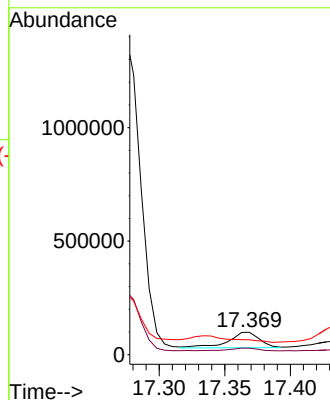
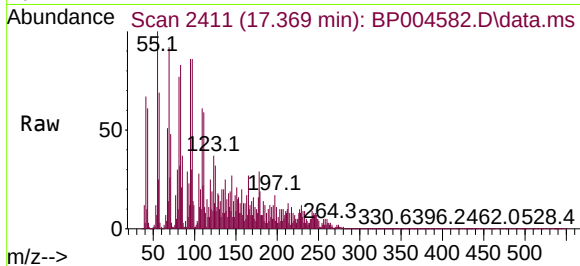




#72
 Anthracene
 Concen: 2.44 ng
 RT: 17.369 min Scan# 2411
 Delta R.T. 0.006 min
 Lab File: BP004582.D
 Acq: 15 Jan 2021 18:20

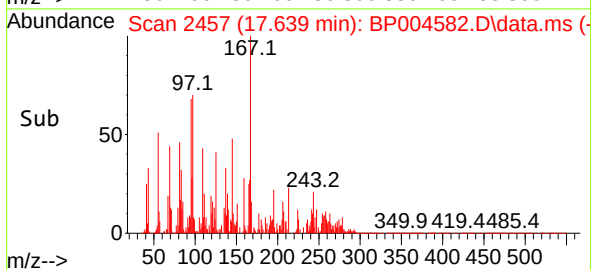
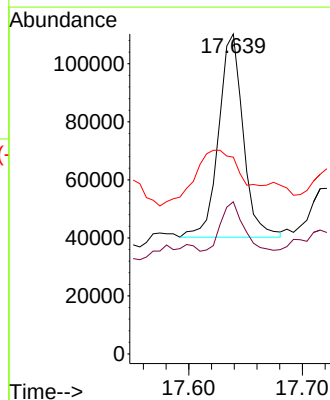
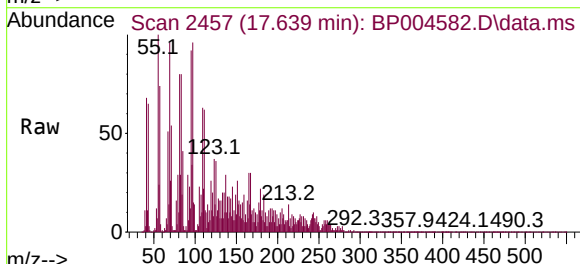
Instrument :
 BNA_P
 ClientSampleId :
 VNJ-215

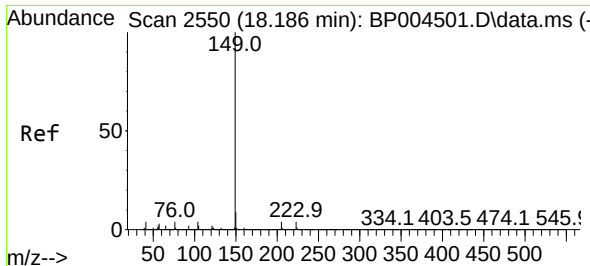
Tgt Ion:178 Resp: 115975
 Ion Ratio Lower Upper
 178 100
 176 29.1 15.0 22.4#
 179 66.5 12.5 18.7#



#73
 Carbazole
 Concen: 2.37 ng
 RT: 17.639 min Scan# 2457
 Delta R.T. 0.006 min
 Lab File: BP004582.D
 Acq: 15 Jan 2021 18:20

Tgt Ion:167 Resp: 105070
 Ion Ratio Lower Upper
 167 100
 166 47.6 17.6 26.4#
 139 61.5 10.2 15.4#

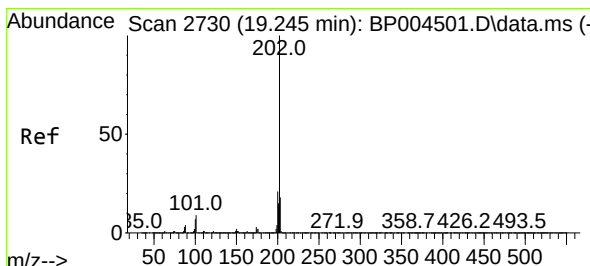
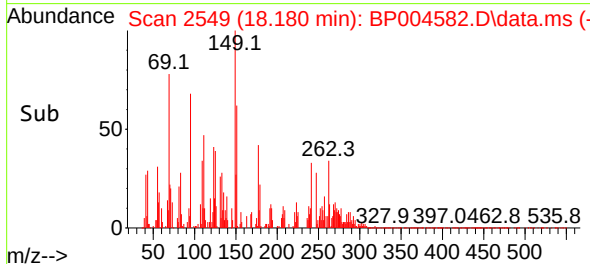
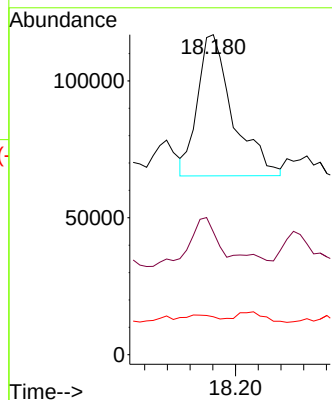
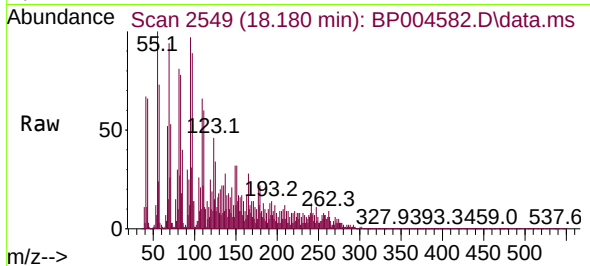




#74
Di-n-butylphthalate
Concen: 2.07 ng
RT: 18.180 min Scan# 2549
Delta R.T. -0.006 min
Lab File: BP004582.D
Acq: 15 Jan 2021 18:20

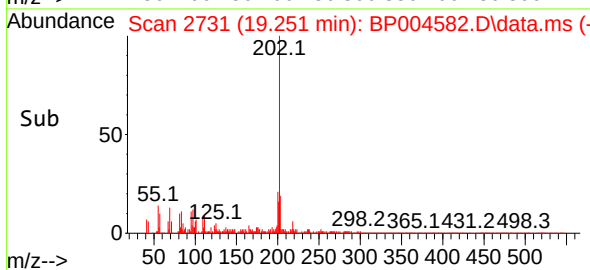
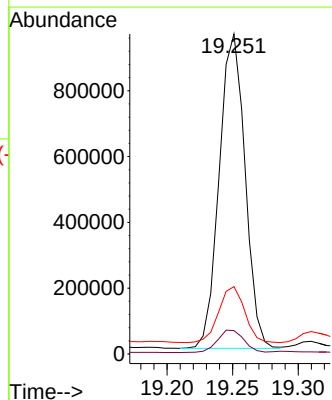
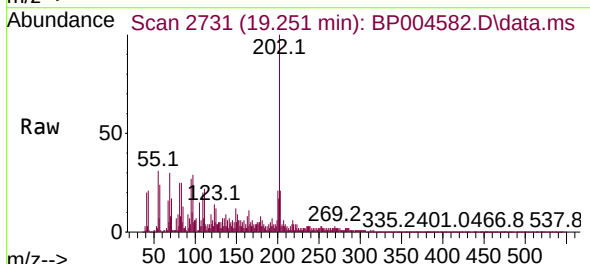
Instrument :
BNA_P
ClientSampleId :
VNJ-215

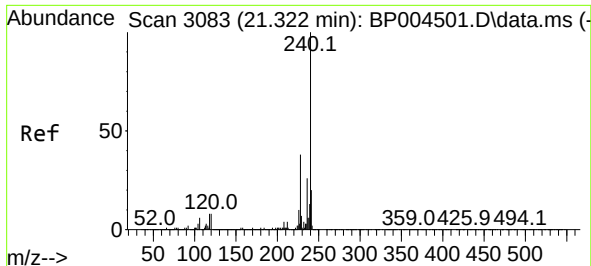
Tgt Ion:149 Resp: 111250
Ion Ratio Lower Upper
149 100
150 38.4 7.3 10.9#
104 11.8 3.4 5.0#



#75
Fluoranthene
Concen: 21.89 ng
RT: 19.251 min Scan# 2731
Delta R.T. 0.006 min
Lab File: BP004582.D
Acq: 15 Jan 2021 18:20

Tgt Ion:202 Resp: 1308469
Ion Ratio Lower Upper
202 100
101 7.3 0.0 29.4
203 21.0 0.0 37.8

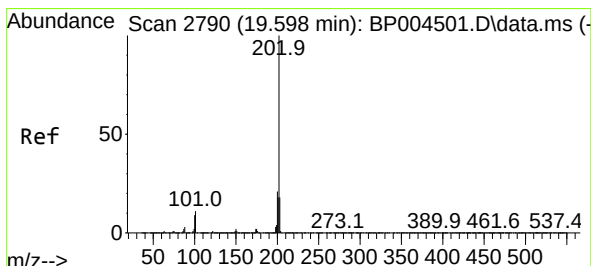
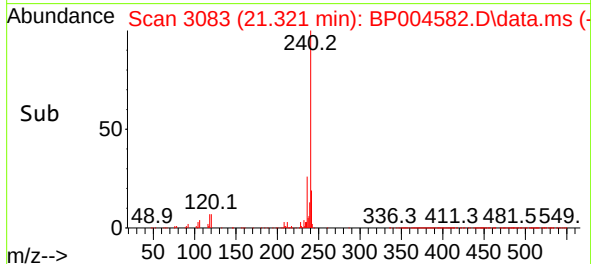
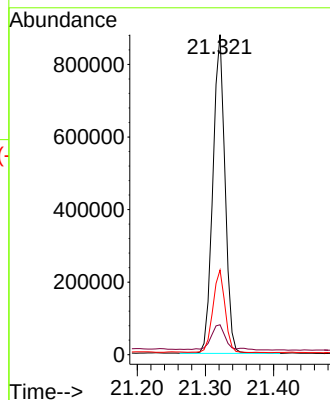
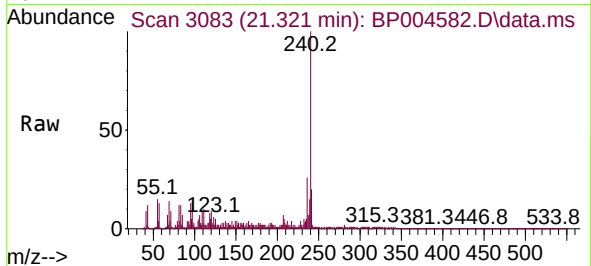




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.321 min Scan# 3083
Delta R.T. -0.000 min
Lab File: BP004582.D
Acq: 15 Jan 2021 18:20

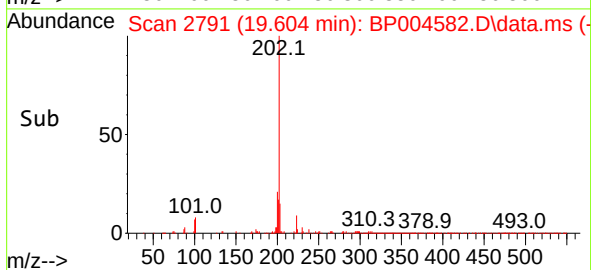
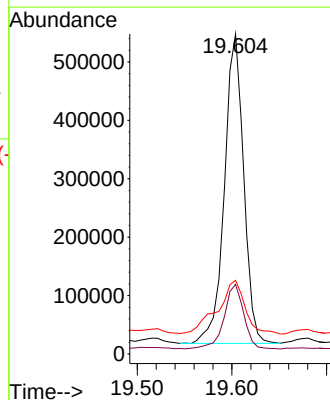
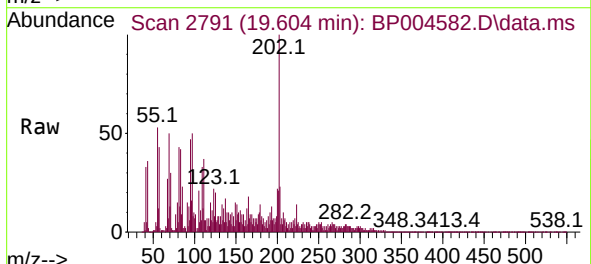
Instrument :
BNA_P
ClientSampleId :
VNJ-215

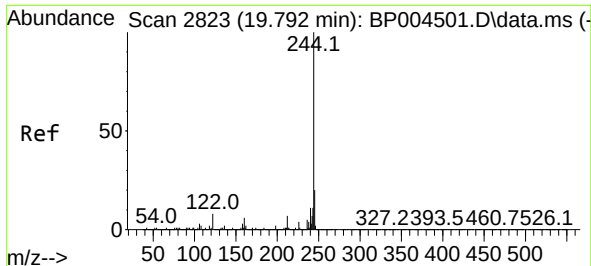
Tgt Ion:240 Resp: 1090699
Ion Ratio Lower Upper
240 100
120 9.3 7.8 11.6
236 26.4 20.8 31.2



#78
Pyrene
Concen: 10.07 ng
RT: 19.604 min Scan# 2791
Delta R.T. 0.006 min
Lab File: BP004582.D
Acq: 15 Jan 2021 18:20

Tgt Ion:202 Resp: 747277
Ion Ratio Lower Upper
202 100
200 21.8 17.1 25.7
203 23.0 14.2 21.2#

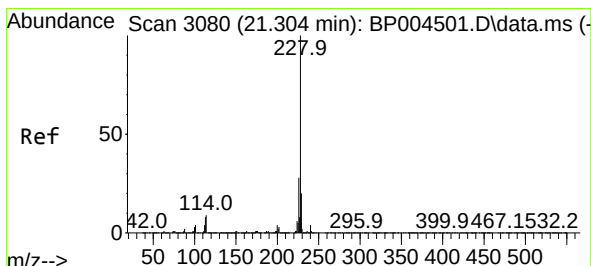
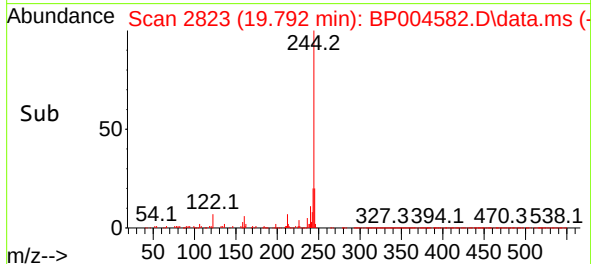
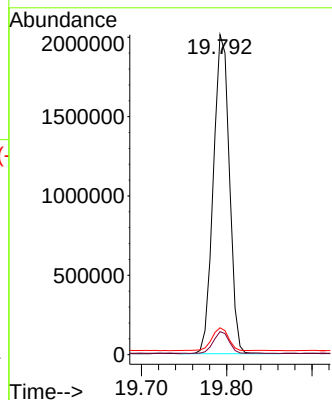
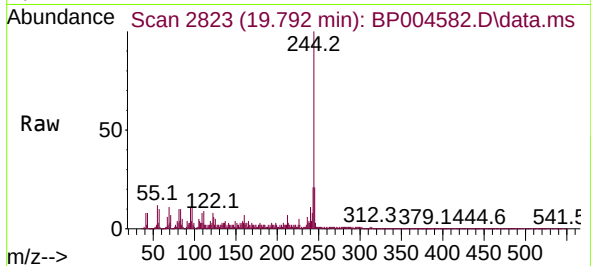




#79
Terphenyl-d14
Concen: 43.99 ng
RT: 19.792 min Scan# 2823
Delta R.T. -0.000 min
Lab File: BP004582.D
Acq: 15 Jan 2021 18:20

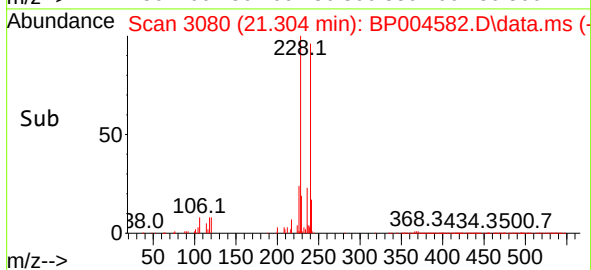
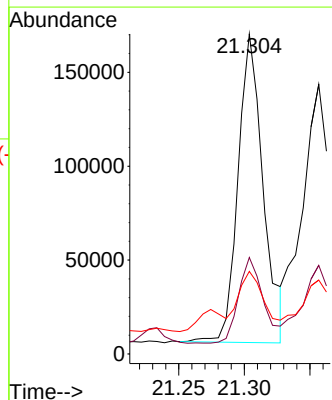
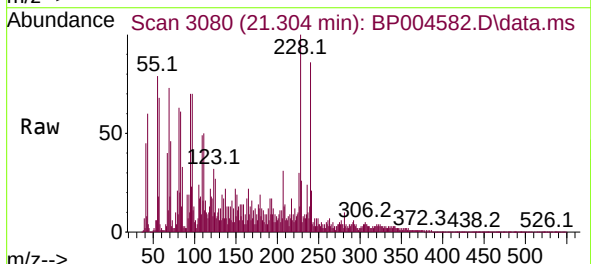
Instrument :
BNA_P
ClientSampleId :
VNJ-215

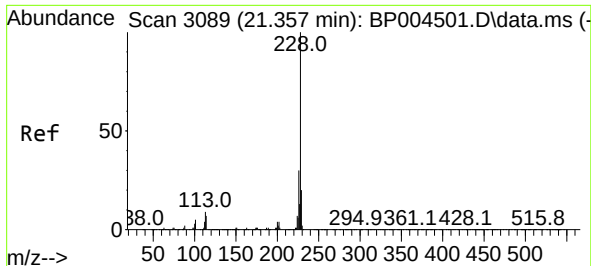
Tgt Ion:244 Resp: 2626028
Ion Ratio Lower Upper
244 100
212 7.2 5.8 8.6
122 8.4 7.8 11.8



#81
Benzo(a)anthracene
Concen: 2.94 ng
RT: 21.304 min Scan# 3080
Delta R.T. -0.000 min
Lab File: BP004582.D
Acq: 15 Jan 2021 18:20

Tgt Ion:228 Resp: 218481
Ion Ratio Lower Upper
228 100
226 30.2 22.1 33.1
229 25.8 15.9 23.9#

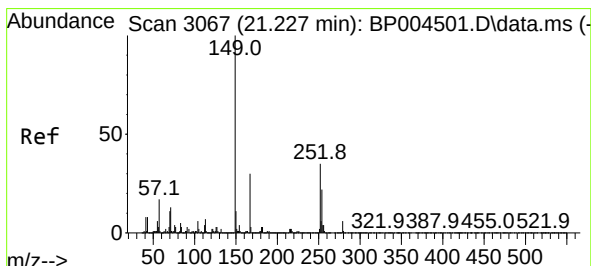
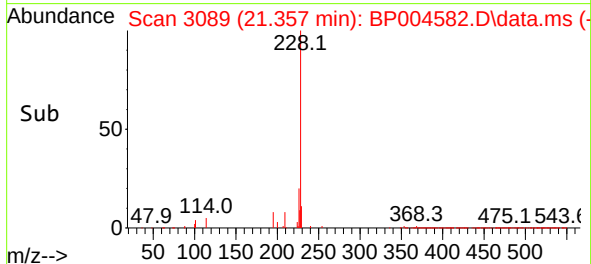
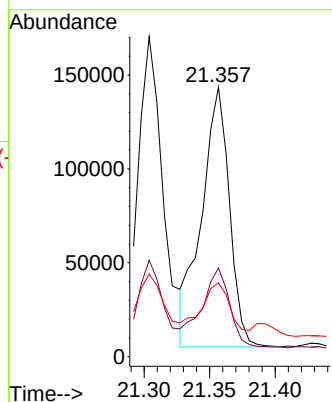
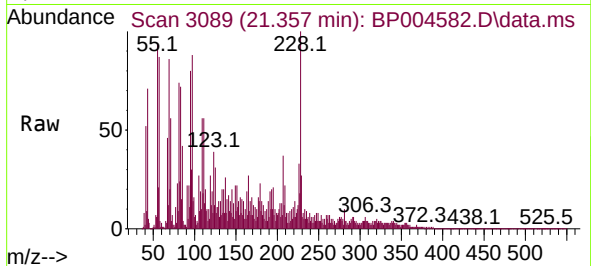




#83
Chrysene
Concen: 2.91 ng
RT: 21.357 min Scan# 3089
Delta R.T. -0.000 min
Lab File: BP004582.D
Acq: 15 Jan 2021 18:20

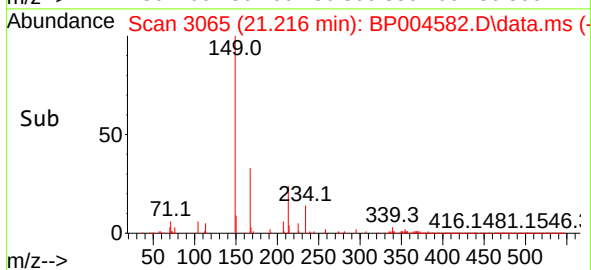
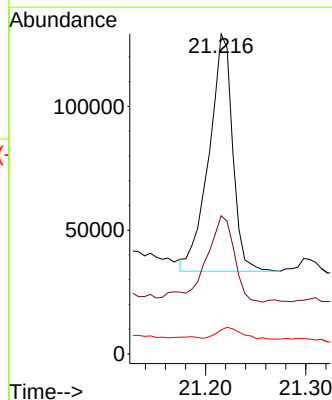
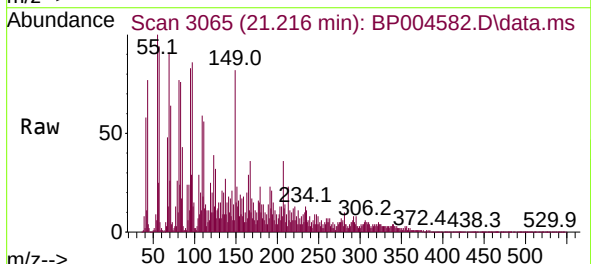
Instrument :
BNA_P
ClientSampleId :
VNJ-215

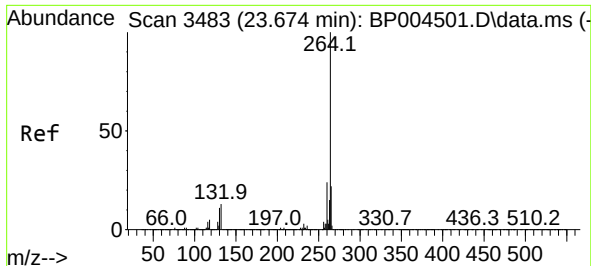
Tgt Ion:228 Resp: 205422
Ion Ratio Lower Upper
228 100
226 32.9 24.4 36.6
229 27.4 15.8 23.6#



#84
Bis(2-ethylhexyl)phthalate
Concen: 3.66 ng
RT: 21.216 min Scan# 3065
Delta R.T. -0.012 min
Lab File: BP004582.D
Acq: 15 Jan 2021 18:20

Tgt Ion:149 Resp: 156793
Ion Ratio Lower Upper
149 100
167 43.2 22.6 34.0#
279 7.5 4.2 6.2#

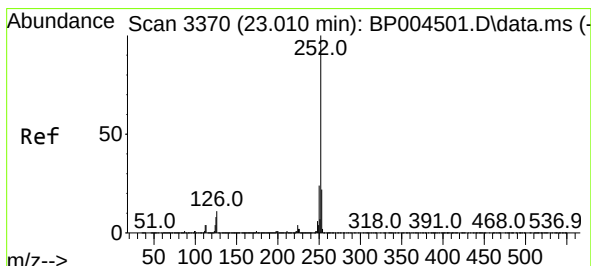
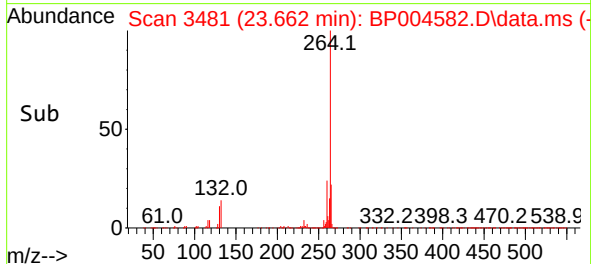
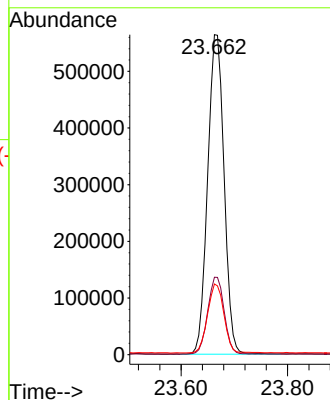
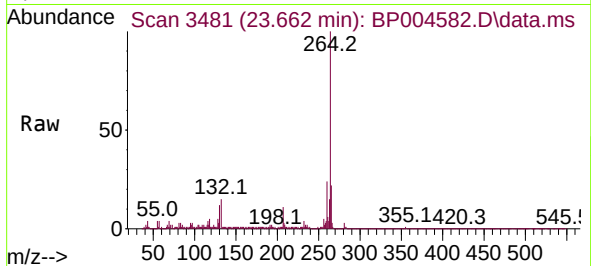




#86
Perylene-d12
Concen: 20.00 ng
RT: 23.662 min Scan# 3481
Delta R.T. -0.012 min
Lab File: BP004582.D
Acq: 15 Jan 2021 18:20

Instrument :
BNA_P
ClientSampleId :
VNJ-215

Tgt Ion:264 Resp: 1205132
Ion Ratio Lower Upper
264 100
260 24.2 18.8 28.2
265 22.1 17.4 26.2



#89
Benzo(k)fluoranthene
Concen: 2.03 ng
RT: 22.957 min Scan# 3361
Delta R.T. -0.053 min
Lab File: BP004582.D
Acq: 15 Jan 2021 18:20

Tgt Ion:252 Resp: 150783
Ion Ratio Lower Upper
252 100
253 32.5 17.8 26.8#
125 27.8 7.4 11.2#

