

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF093022\
 Data File : BF130486.D
 Acq On : 30 Sep 2022 16:11
 Operator : CG\JU
 Sample : N4912-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-211

Quant Time: Oct 01 01:35:47 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 28 02:59:31 2022
 Response via : Initial Calibration

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

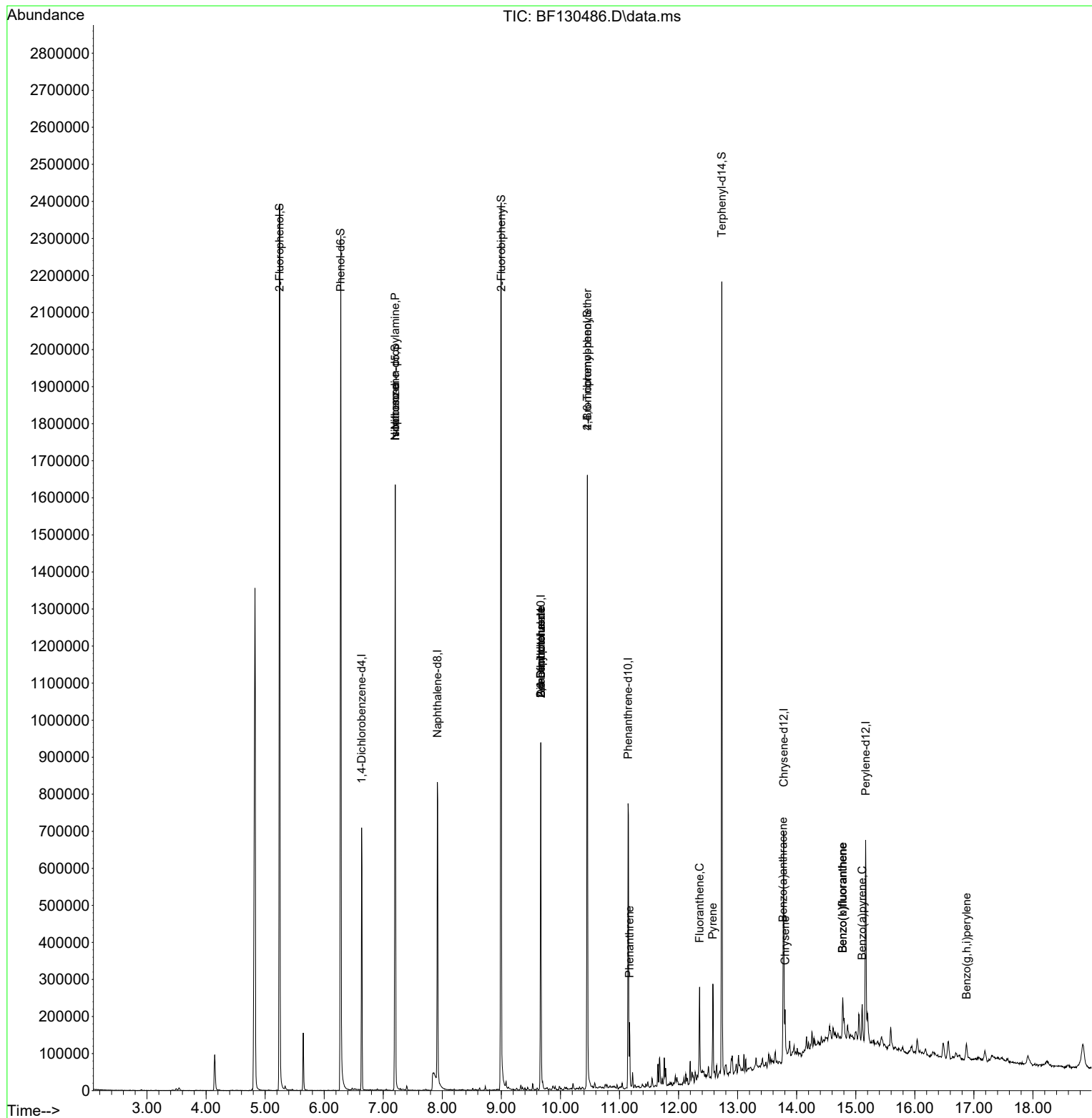
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.634	152	104066	20.000	ng	-0.01
21) Naphthalene-d8	7.916	136	379882	20.000	ng	-0.01
39) Acenaphthene-d10	9.669	164	187312	20.000	ng	-0.01
64) Phenanthrene-d10	11.145	188	288829	20.000	ng	-0.01
76) Chrysene-d12	13.780	240	195175	20.000	ng	-0.01
86) Perylene-d12	15.168	264	227403	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.246	112	676701	112.786	ng	0.00
7) Phenol-d6	6.281	99	817860	108.943	ng	-0.01
23) Nitrobenzene-d5	7.204	82	506924	68.174	ng	-0.01
42) 2,4,6-Tribromophenol	10.457	330	197065	109.797	ng	-0.01
45) 2-Fluorobiphenyl	8.998	172	823092	63.988	ng	-0.01
79) Terphenyl-d14	12.733	244	663489	56.312	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.204	70	68435	13.509	ng	# 72
25) Isophorone	7.204	82	506918	42.297	ng	# 66
50) Dimethylphthalate	9.669	163	33434	2.584	ng	# 1
51) 2,6-Dinitrotoluene	9.669	165	24191	8.940	ng	# 16
57) 2,4-Dinitrotoluene	9.669	165	24191	6.995	ng	# 16
67) 4-Bromophenyl-phenylether	10.457	248	11553	3.626	ng	# 1
71) Phenanthrene	11.169	178	60125	3.708	ng	98
75) Fluoranthene	12.357	202	84174	5.372	ng	97
78) Pyrene	12.580	202	96072	5.627	ng	99
81) Benzo(a)anthracene	13.769	228	44265	3.409	ng	98
83) Chrysene	13.804	228	43391	3.520	ng	97
88) Benzo(b)fluoranthene	14.780	252	65265	4.397	ng	# 96
89) Benzo(k)fluoranthene	14.780	252	65265	4.470	ng	# 95
90) Benzo(a)pyrene	15.110	252	41247	3.508	ng	96
92) Benzo(g,h,i)perylene	16.874	276	28641	2.149	ng	97

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

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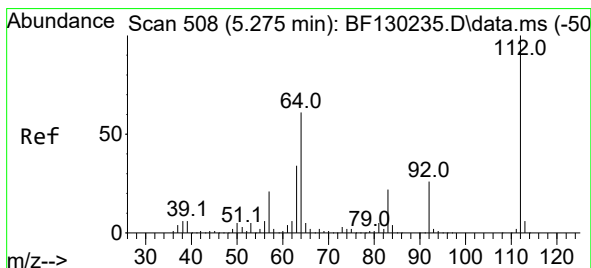
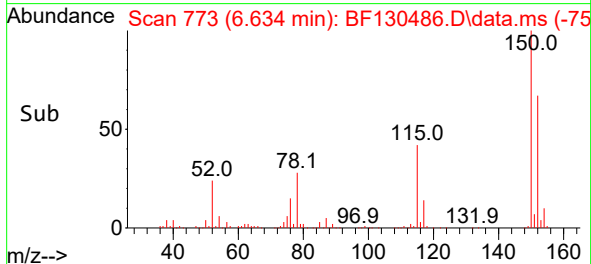
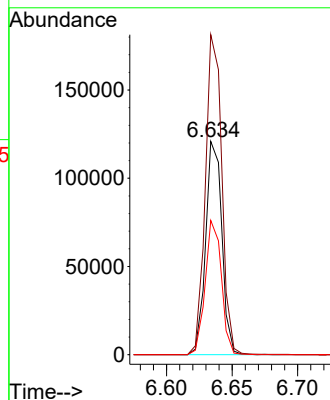
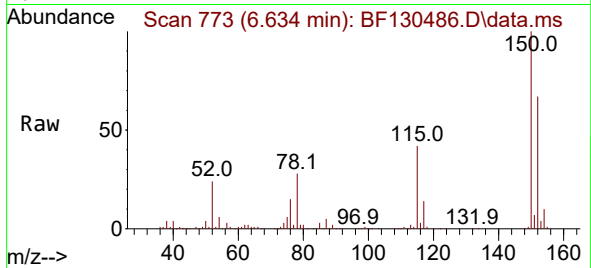




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.634 min Scan# 71
Delta R.T. -0.011 min
Lab File: BF130486.D
Acq: 30 Sep 2022 16:11

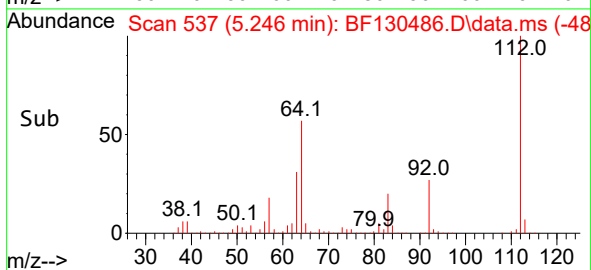
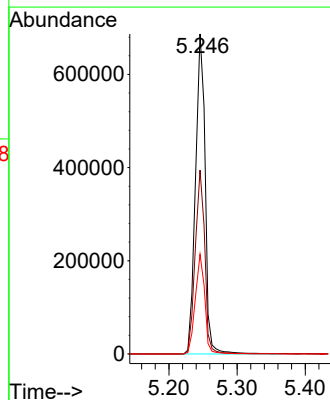
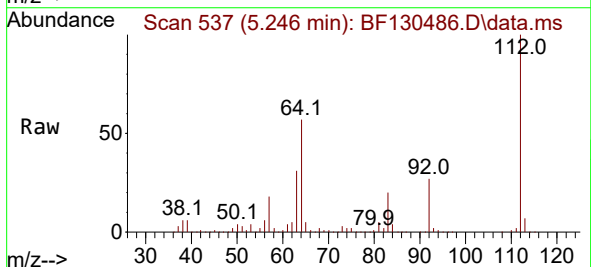
Instrument :
BNA_F
ClientSampleId :
VNJ-211

Tgt Ion:152 Resp: 104066
Ion Ratio Lower Upper
152 100
150 150.0 122.8 184.2
115 62.9 53.8 80.8



#5
2-Fluorophenol
Concen: 112.786 ng
RT: 5.246 min Scan# 537
Delta R.T. 0.000 min
Lab File: BF130486.D
Acq: 30 Sep 2022 16:11

Tgt Ion:112 Resp: 676701
Ion Ratio Lower Upper
112 100
64 57.4 51.4 77.0
63 31.2 28.8 43.2

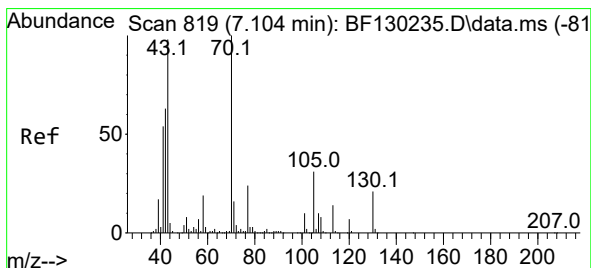
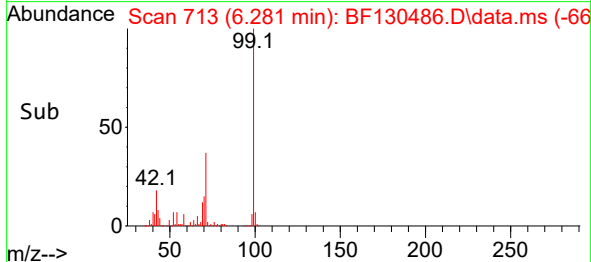
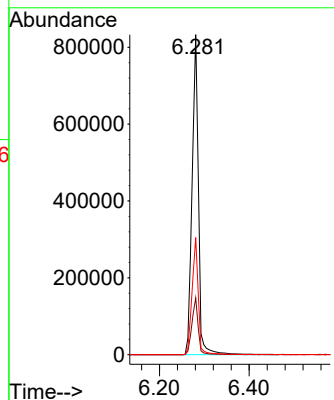
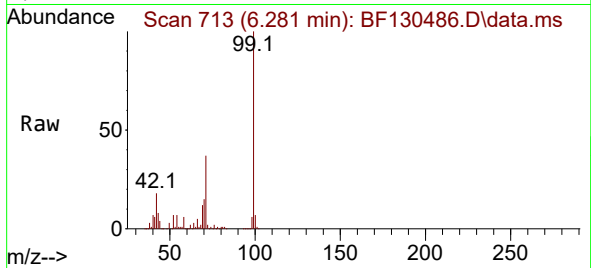




#7
Phenol-d6
Concen: 108.943 ng
RT: 6.281 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF130486.D
Acq: 30 Sep 2022 16:11

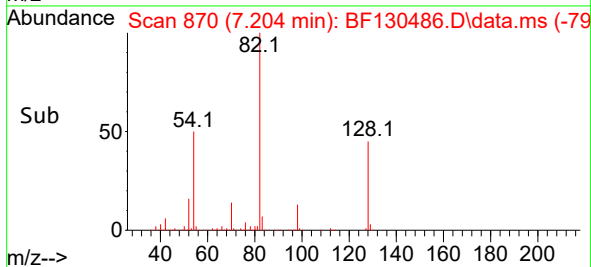
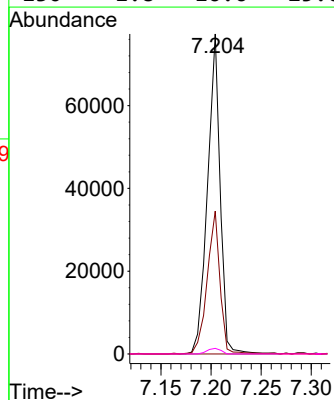
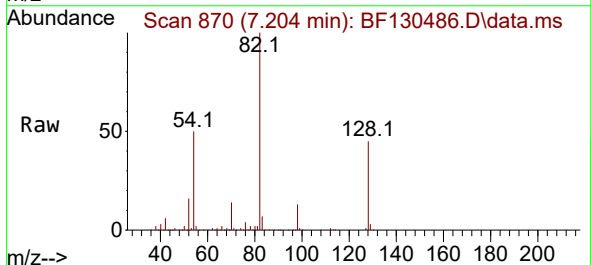
Instrument :
BNA_F
ClientSampleId :
VNJ-211

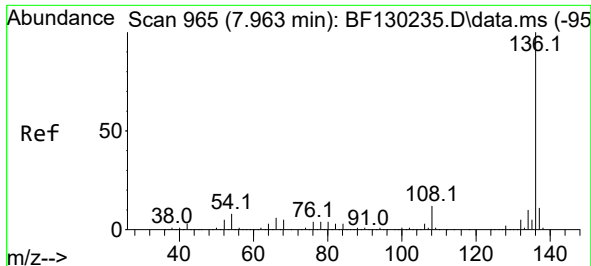
Tgt Ion: 99 Resp: 817860
Ion Ratio Lower Upper
99 100
42 17.7 17.0 25.6
71 36.6 32.3 48.5



#19
n-Nitroso-di-n-propylamine
Concen: 13.509 ng
RT: 7.204 min Scan# 870
Delta R.T. 0.135 min
Lab File: BF130486.D
Acq: 30 Sep 2022 16:11

Tgt Ion: 70 Resp: 68435
Ion Ratio Lower Upper
70 100
42 44.7 50.8 76.2#
101 0.0 8.2 12.4#
130 1.8 16.6 25.0#

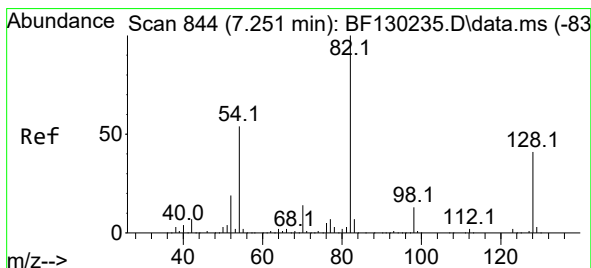
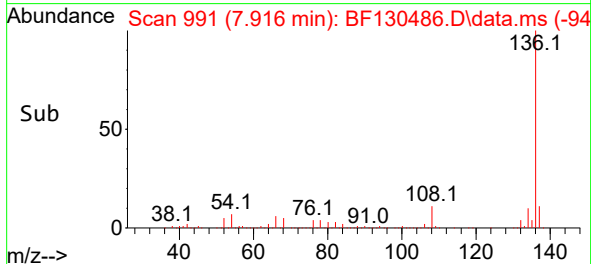
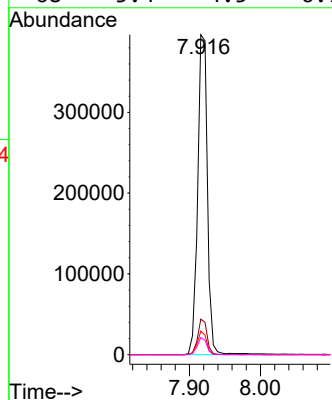
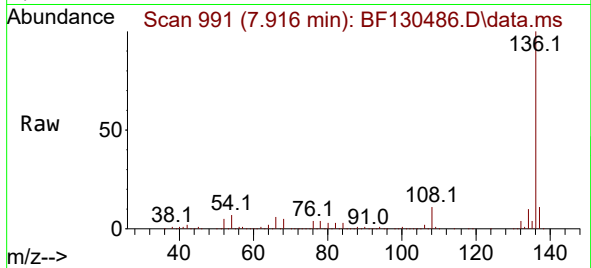




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.916 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF130486.D
Acq: 30 Sep 2022 16:11

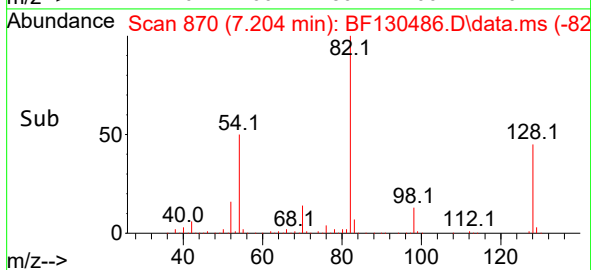
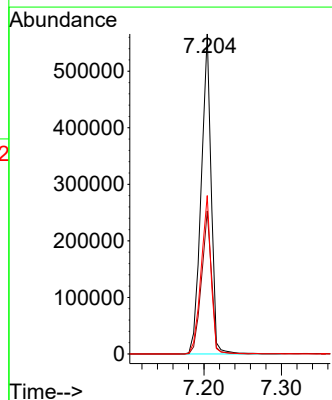
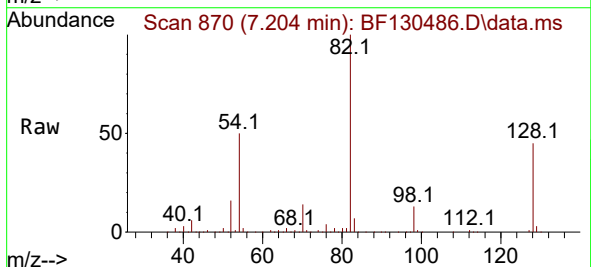
Instrument :
BNA_F
ClientSampleId :
VNJ-211

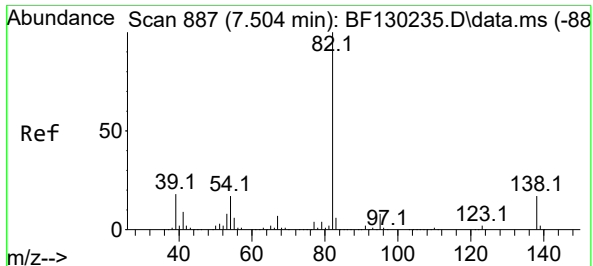
Tgt Ion:136 Resp: 379882
Ion Ratio Lower Upper
136 100
137 11.1 9.1 13.7
54 7.3 7.1 10.7
68 5.4 4.5 6.7



#23
Nitrobenzene-d5
Concen: 68.174 ng
RT: 7.204 min Scan# 870
Delta R.T. -0.012 min
Lab File: BF130486.D
Acq: 30 Sep 2022 16:11

Tgt Ion: 82 Resp: 506924
Ion Ratio Lower Upper
82 100
128 44.7 32.6 49.0
54 49.5 43.8 65.6

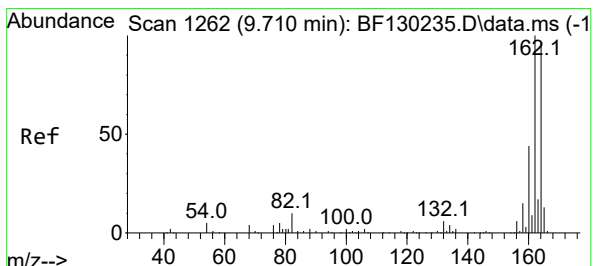
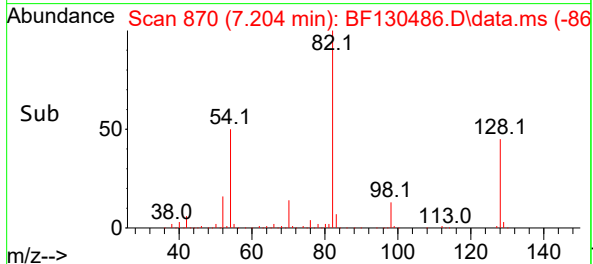
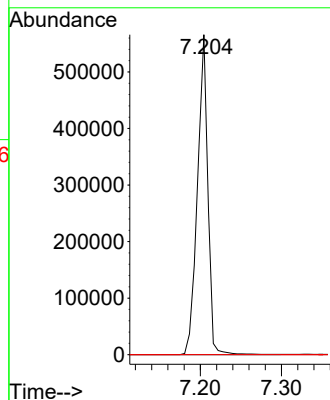
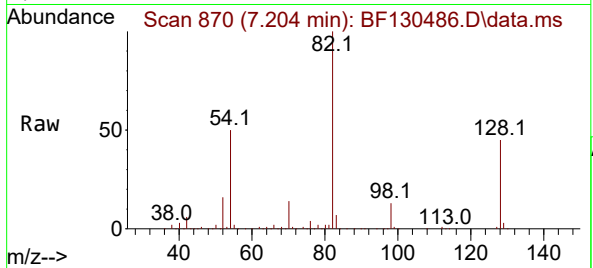




#25
Isophorone
Concen: 42.297 ng
RT: 7.204 min Scan# 81
Delta R.T. -0.270 min
Lab File: BF130486.D
Acq: 30 Sep 2022 16:11

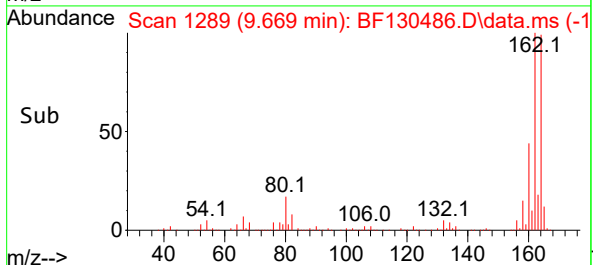
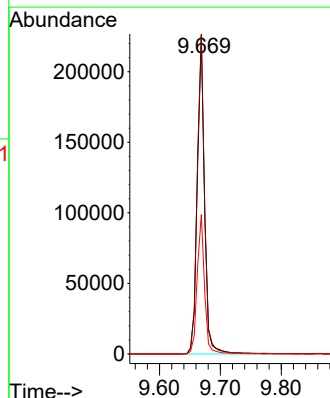
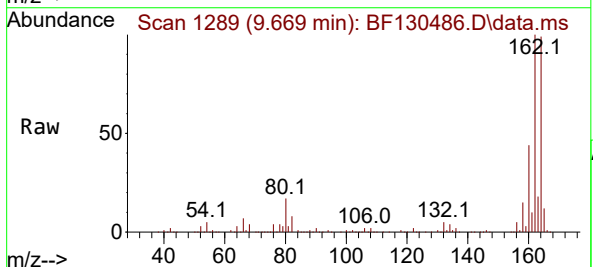
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ClientSampleId :
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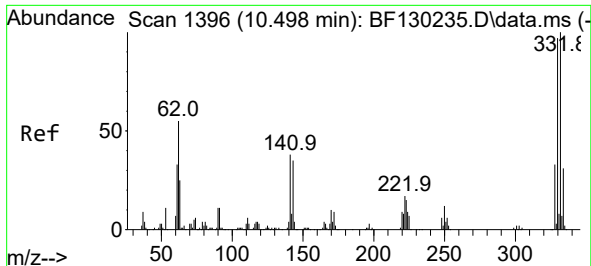
Tgt Ion: 82 Resp: 506918
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.8 20.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.669 min Scan# 1289
Delta R.T. -0.012 min
Lab File: BF130486.D
Acq: 30 Sep 2022 16:11

Tgt Ion:164 Resp: 187312
Ion Ratio Lower Upper
164 100
162 100.8 81.4 122.0
160 43.9 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 109.797 ng

RT: 10.457 min Scan# 1423

Delta R.T. -0.012 min

Lab File: BF130486.D

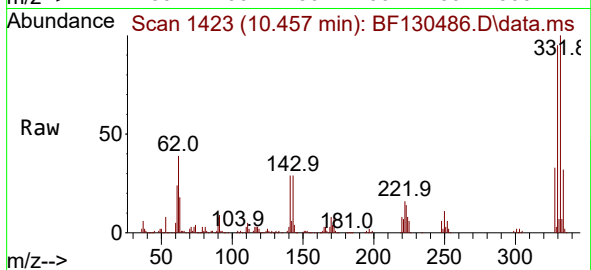
Acq: 30 Sep 2022 16:11

Instrument :

BNA_F

ClientSampleId :

VNJ-211



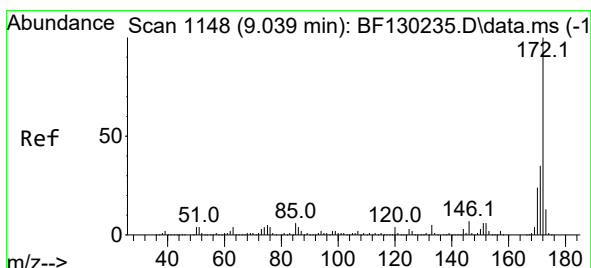
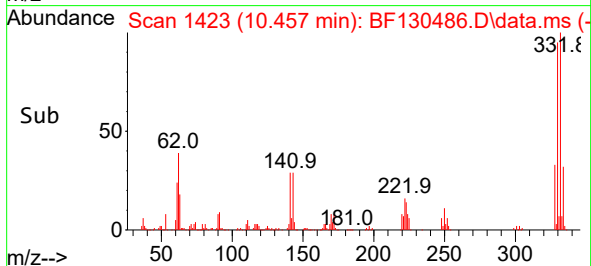
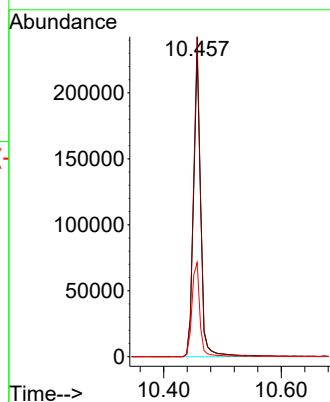
Tgt Ion:330 Resp: 197065

Ion Ratio Lower Upper

330 100

332 102.7 83.4 125.2

141 34.0 34.0 51.0#



#45

2-Fluorobiphenyl

Concen: 63.988 ng

RT: 8.998 min Scan# 1175

Delta R.T. -0.012 min

Lab File: BF130486.D

Acq: 30 Sep 2022 16:11

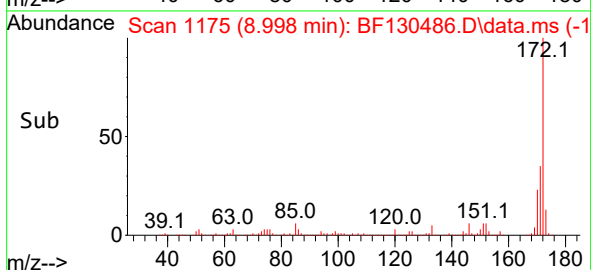
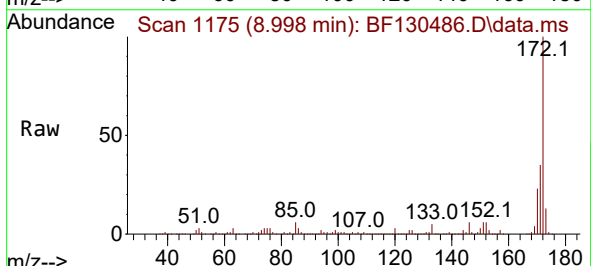
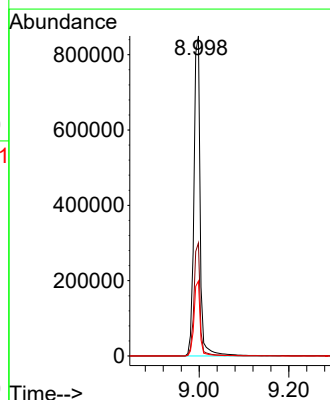
Tgt Ion:172 Resp: 823092

Ion Ratio Lower Upper

172 100

171 35.3 28.3 42.5

170 23.4 18.7 28.1

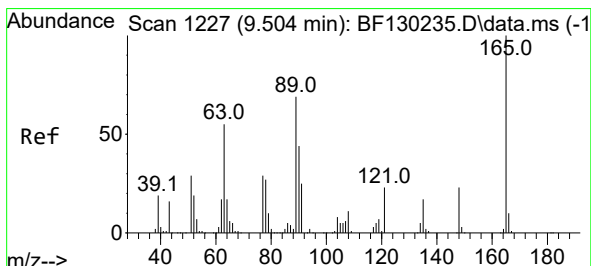
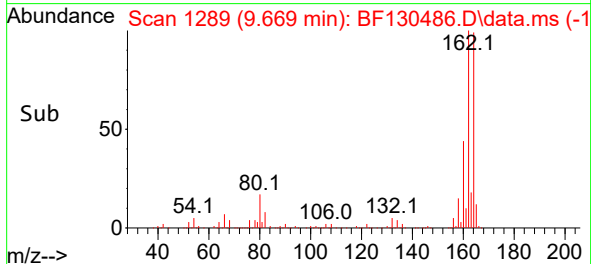
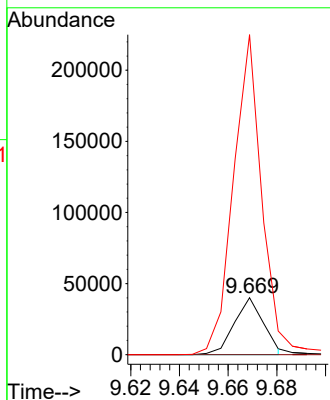
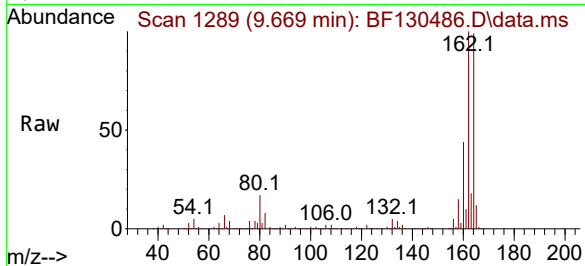




#50
Dimethylphthalate
Concen: 2.584 ng
RT: 9.669 min Scan# 1289
Delta R.T. 0.253 min
Lab File: BF130486.D
Acq: 30 Sep 2022 16:11

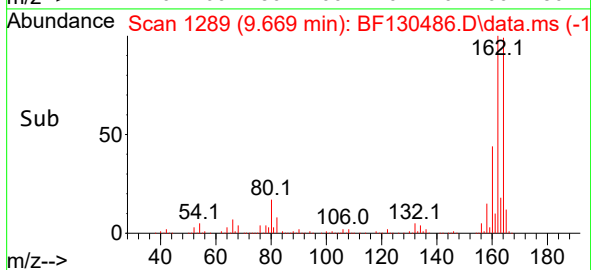
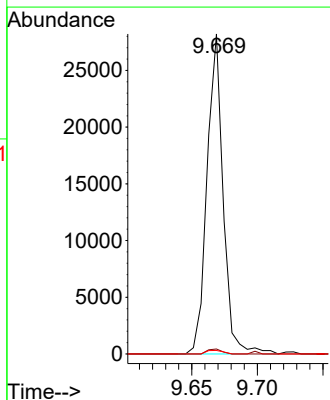
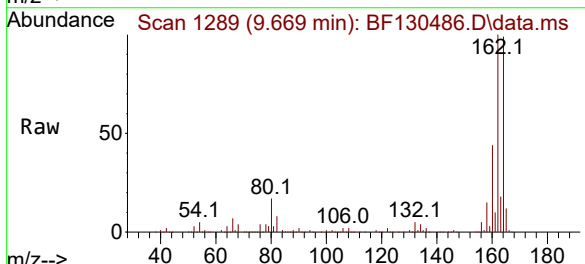
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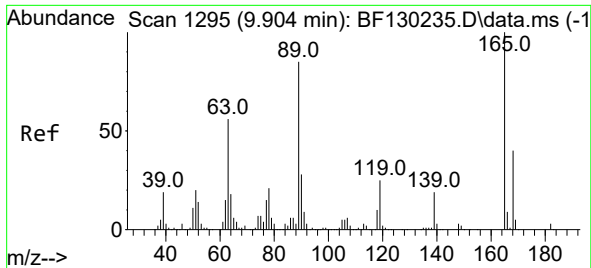
Tgt Ion:163 Resp: 33434
Ion Ratio Lower Upper
163 100
194 0.0 2.8 4.2#
164 562.4 8.2 12.2#



#51
2,6-Dinitrotoluene
Concen: 8.940 ng
RT: 9.669 min Scan# 1289
Delta R.T. 0.194 min
Lab File: BF130486.D
Acq: 30 Sep 2022 16:11

Tgt Ion:165 Resp: 24191
Ion Ratio Lower Upper
165 100
63 1.5 58.8 88.2#
89 1.1 54.5 81.7#

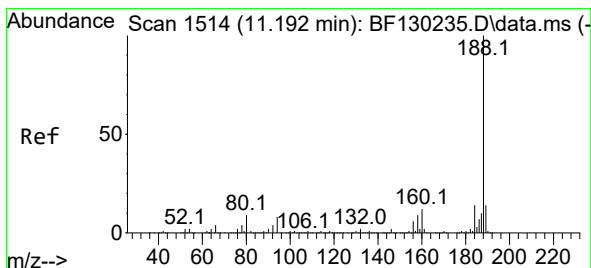
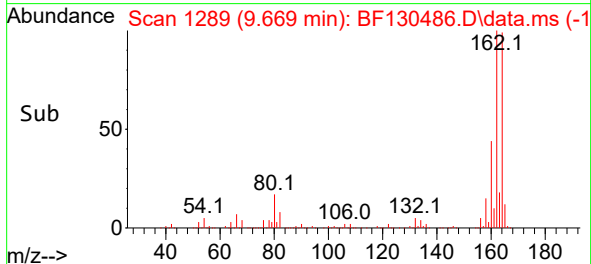
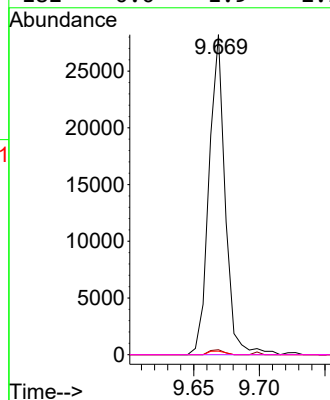
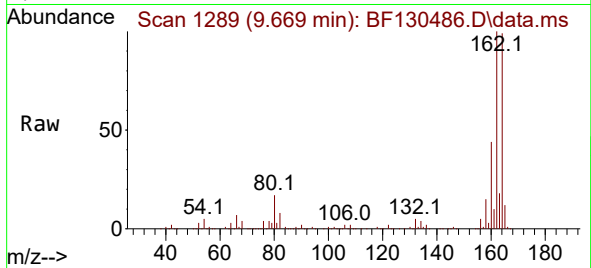




#57
2,4-Dinitrotoluene
Concen: 6.995 ng
RT: 9.669 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF130486.D
Acq: 30 Sep 2022 16:11

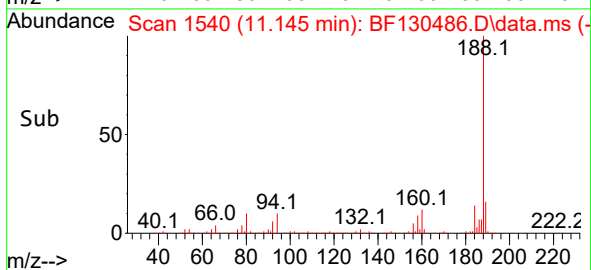
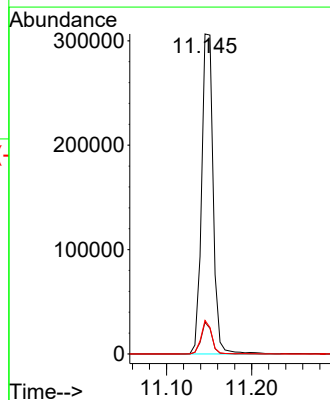
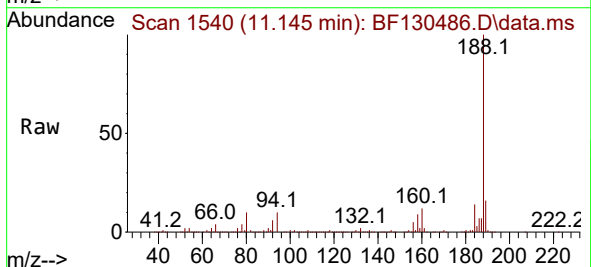
Instrument :
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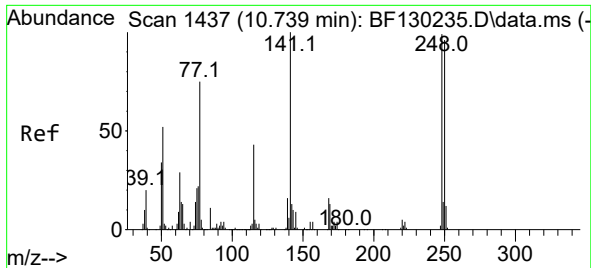
Tgt Ion:165 Resp: 24191
Ion Ratio Lower Upper
165 100
63 1.5 44.7 67.1#
89 1.1 69.0 103.4#
182 0.0 1.9 2.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.145 min Scan# 1540
Delta R.T. -0.012 min
Lab File: BF130486.D
Acq: 30 Sep 2022 16:11

Tgt Ion:188 Resp: 288829
Ion Ratio Lower Upper
188 100
94 9.9 7.4 11.2
80 10.5 7.9 11.9

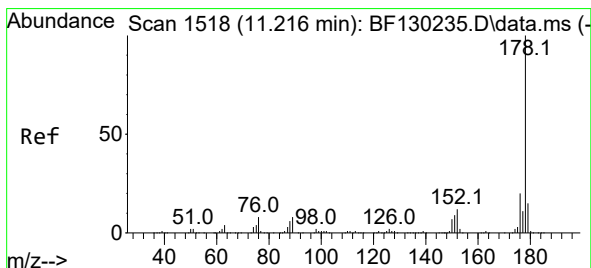
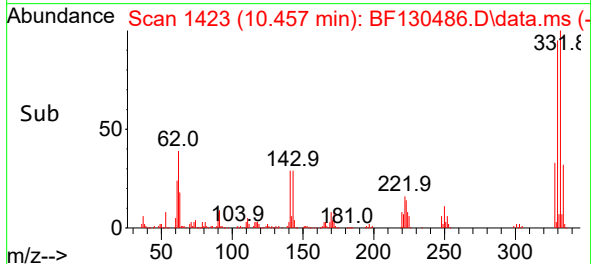
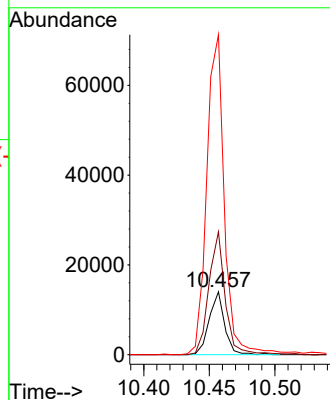
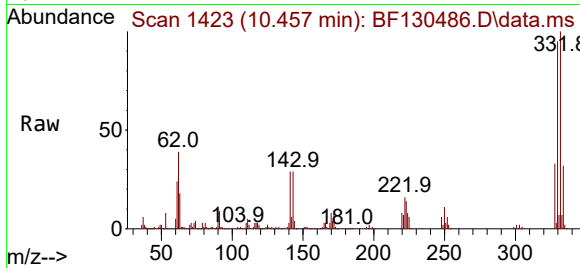




#67
4-Bromophenyl-phenylether
Concen: 3.626 ng
RT: 10.457 min Scan# 1437
Delta R.T. -0.253 min
Lab File: BF130486.D
Acq: 30 Sep 2022 16:11

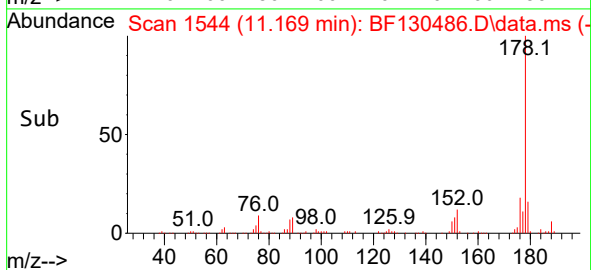
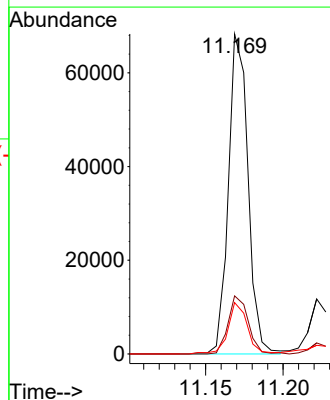
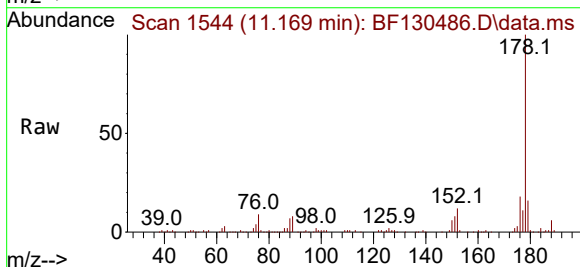
Instrument :
BNA_F
ClientSampleId :
VNJ-211

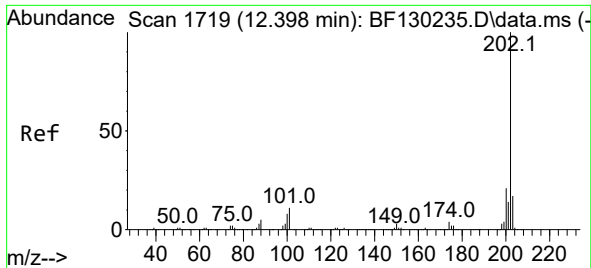
Tgt Ion:248 Resp: 11553
Ion Ratio Lower Upper
248 100
250 195.4 80.0 120.0#
141 509.1 68.5 102.7#



#71
Phenanthrene
Concen: 3.708 ng
RT: 11.169 min Scan# 1544
Delta R.T. -0.018 min
Lab File: BF130486.D
Acq: 30 Sep 2022 16:11

Tgt Ion:178 Resp: 60125
Ion Ratio Lower Upper
178 100
176 18.2 15.4 23.0
179 16.1 12.4 18.6

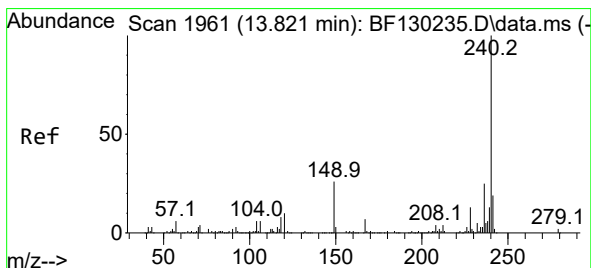
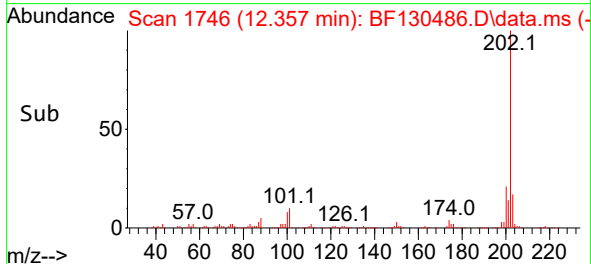
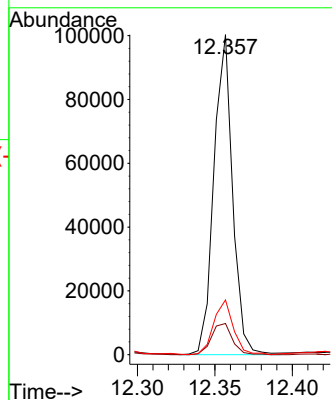
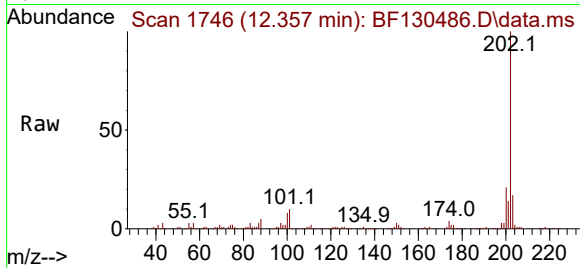




#75
Fluoranthene
Concen: 5.372 ng
RT: 12.357 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF130486.D
Acq: 30 Sep 2022 16:11

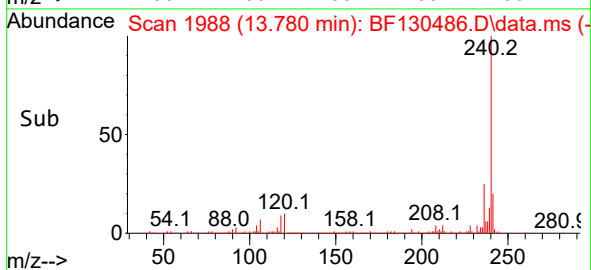
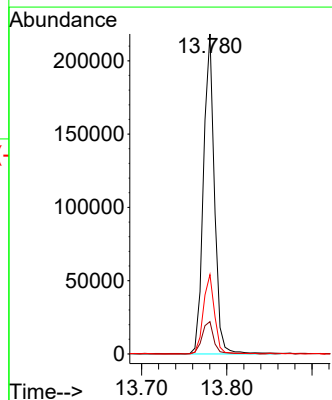
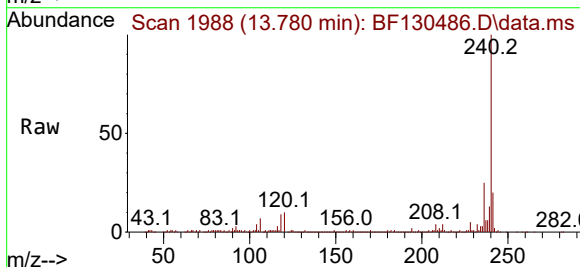
Instrument :
BNA_F
ClientSampleId :
VNJ-211

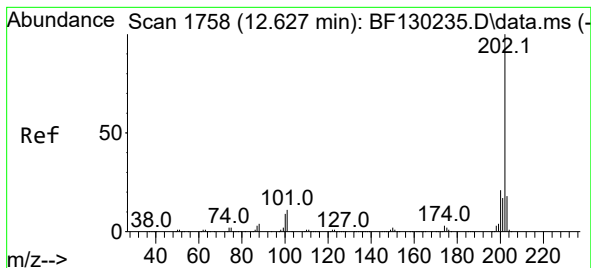
Tgt Ion:202 Resp: 84174
Ion Ratio Lower Upper
202 100
101 9.8 0.0 31.8
203 17.1 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.780 min Scan# 1988
Delta R.T. -0.012 min
Lab File: BF130486.D
Acq: 30 Sep 2022 16:11

Tgt Ion:240 Resp: 195175
Ion Ratio Lower Upper
240 100
120 10.1 8.7 13.1
236 24.8 20.9 31.3





#78

Pyrene

Concen: 5.627 ng

RT: 12.580 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF130486.D

Acq: 30 Sep 2022 16:11

Instrument :

BNA_F

ClientSampleId :

VNJ-211

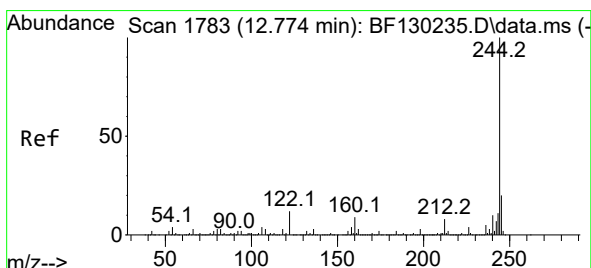
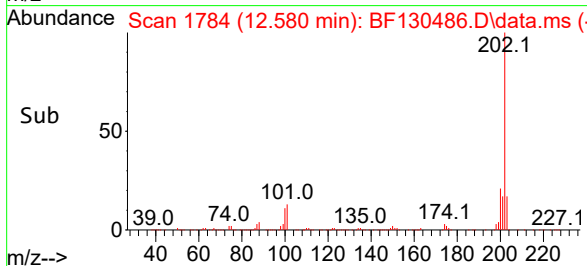
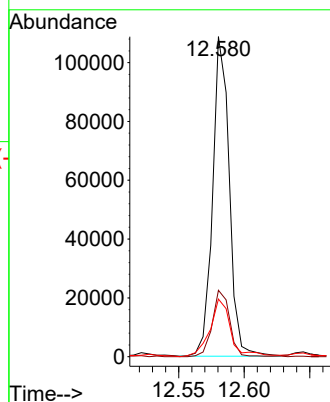
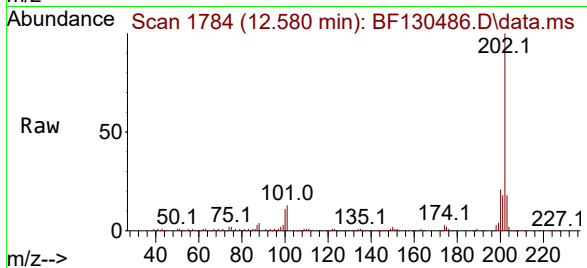
Tgt Ion:202 Resp: 96072

Ion Ratio Lower Upper

202 100

200 20.8 17.2 25.8

203 18.0 14.3 21.5



#79

Terphenyl-d14

Concen: 56.312 ng

RT: 12.733 min Scan# 1810

Delta R.T. -0.012 min

Lab File: BF130486.D

Acq: 30 Sep 2022 16:11

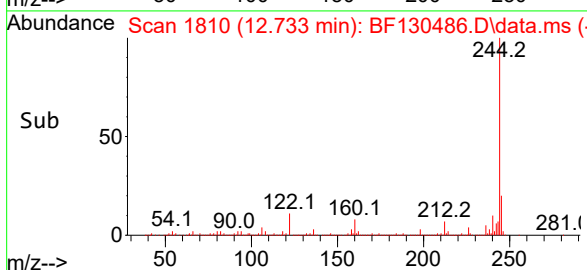
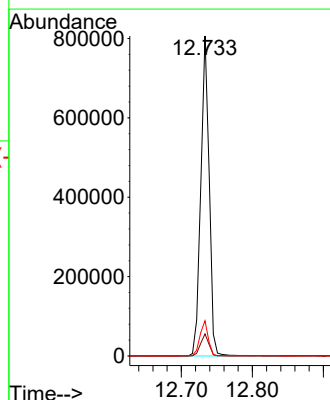
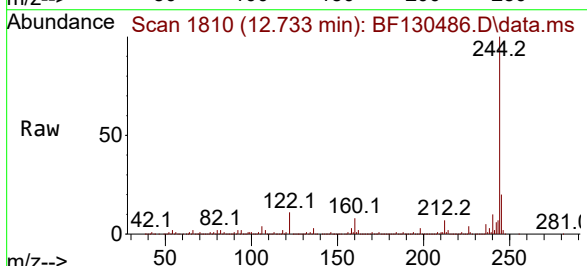
Tgt Ion:244 Resp: 663489

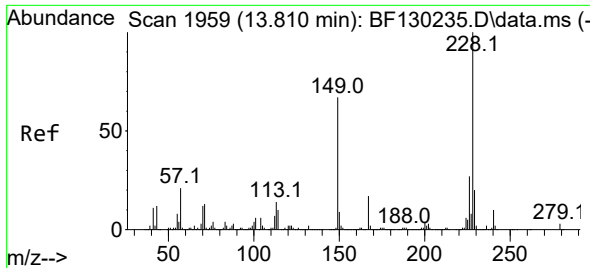
Ion Ratio Lower Upper

244 100

212 6.9 5.9 8.9

122 11.0 8.5 12.7

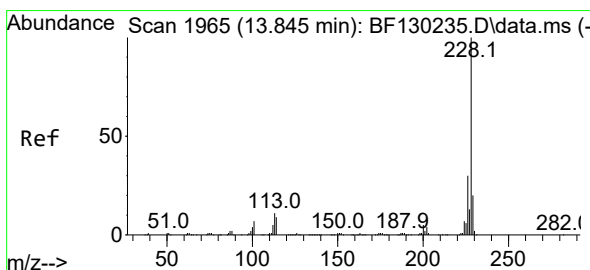
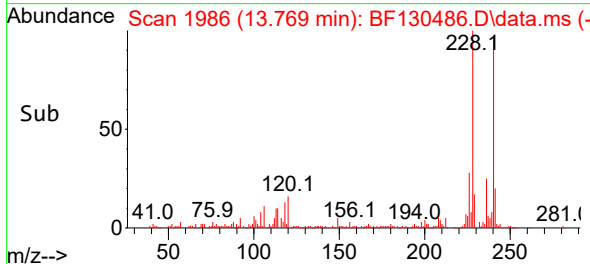
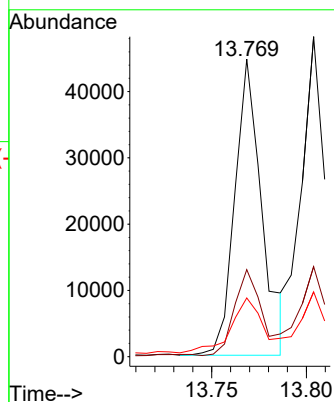
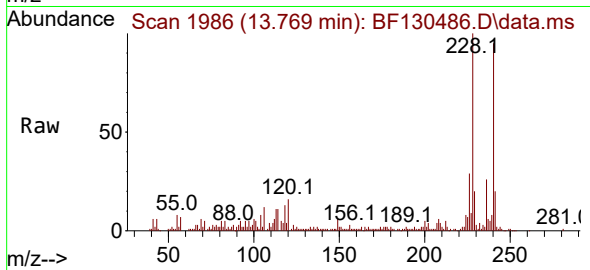




#81
Benzo(a)anthracene
Concen: 3.409 ng
RT: 13.769 min Scan# 1959
Delta R.T. -0.012 min
Lab File: BF130486.D
Acq: 30 Sep 2022 16:11

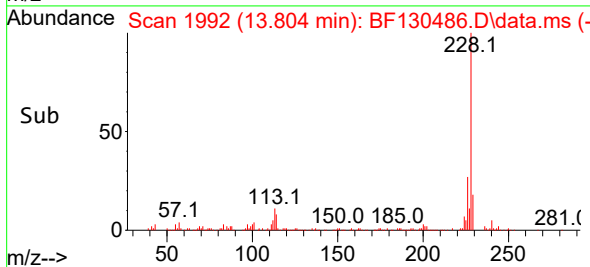
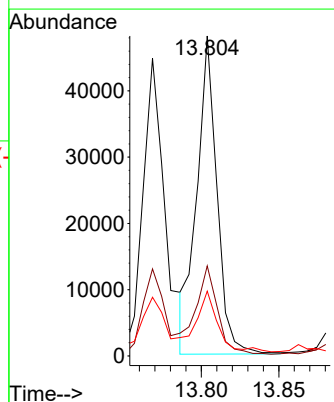
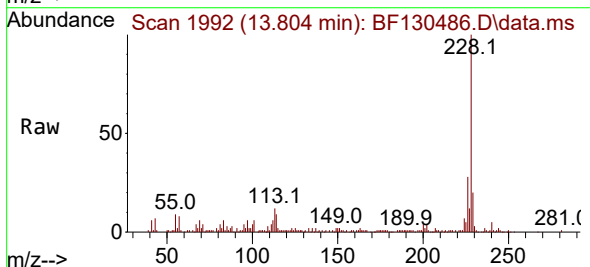
Instrument :
BNA_F
ClientSampleId :
VNJ-211

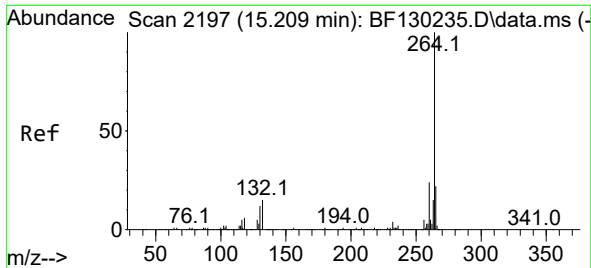
Tgt Ion:228 Resp: 44265
Ion Ratio Lower Upper
228 100
226 29.3 21.9 32.9
229 19.7 16.1 24.1



#83
Chrysene
Concen: 3.520 ng
RT: 13.804 min Scan# 1992
Delta R.T. -0.012 min
Lab File: BF130486.D
Acq: 30 Sep 2022 16:11

Tgt Ion:228 Resp: 43391
Ion Ratio Lower Upper
228 100
226 28.1 23.8 35.8
229 20.2 15.3 22.9



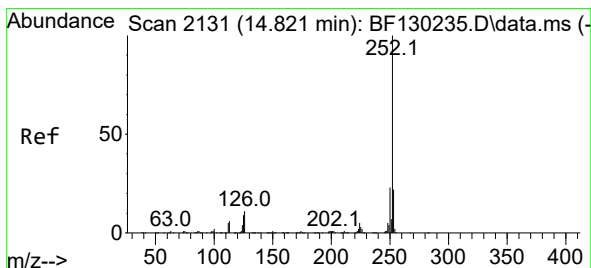
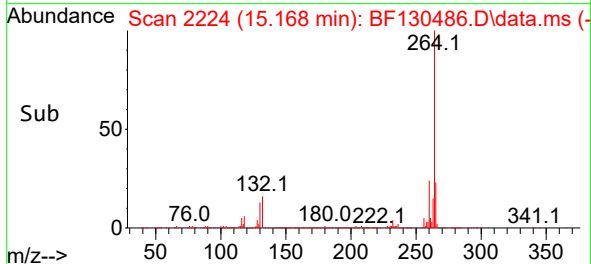
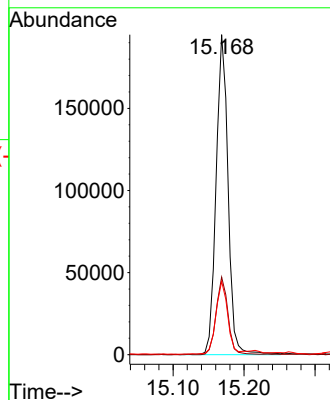
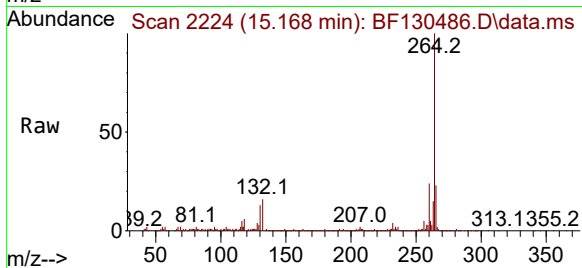


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.168 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF130486.D
Acq: 30 Sep 2022 16:11

Instrument :
BNA_F
ClientSampleId :
VNJ-211

Tgt Ion:264 Resp: 227403

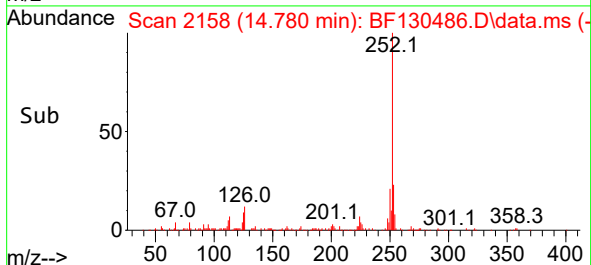
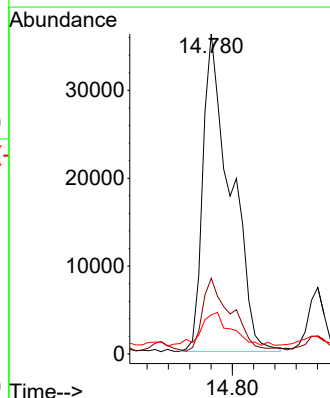
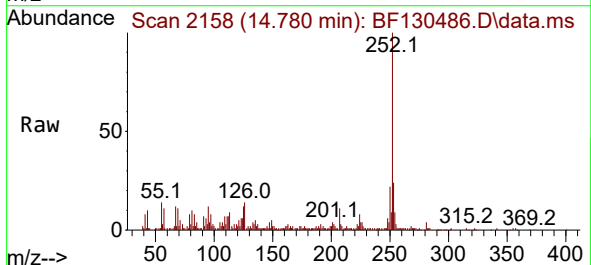
Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.3	28.9
265	22.9	17.0	25.4

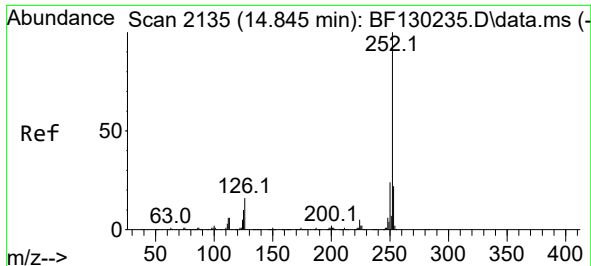


#88
Benzo(b)fluoranthene
Concen: 4.397 ng
RT: 14.780 min Scan# 2158
Delta R.T. -0.006 min
Lab File: BF130486.D
Acq: 30 Sep 2022 16:11

Tgt Ion:252 Resp: 65265

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.7	26.5
125	12.2	8.1	12.1





#89

Benzo(k)fluoranthene

Concen: 4.470 ng

RT: 14.780 min Scan# 2114

Delta R.T. -0.035 min

Lab File: BF130486.D

Acq: 30 Sep 2022 16:11

Instrument :

BNA_F

ClientSampleId :

VNJ-211

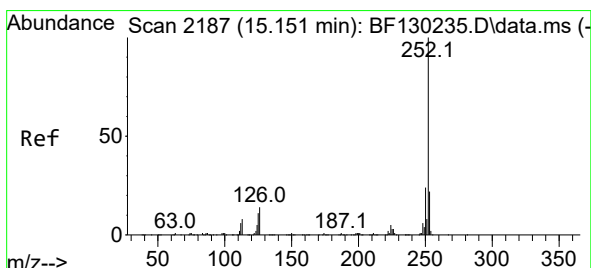
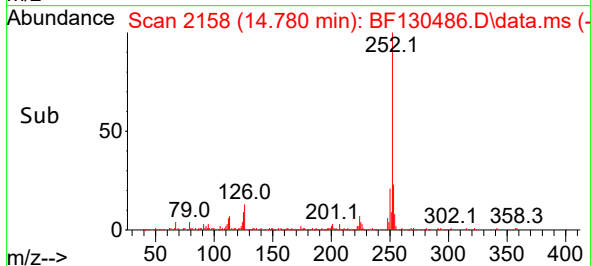
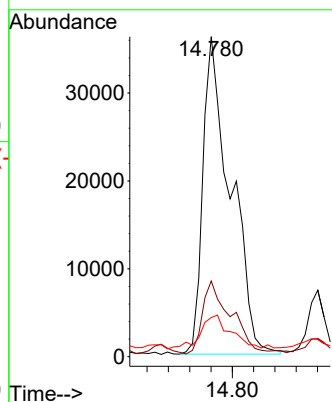
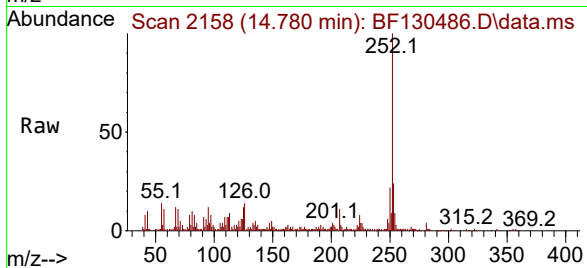
Tgt Ion:252 Resp: 65265

Ion Ratio Lower Upper

252 100

253 23.7 17.4 26.2

125 12.2 7.9 11.9#



#90

Benzo(a)pyrene

Concen: 3.508 ng

RT: 15.110 min Scan# 2214

Delta R.T. -0.006 min

Lab File: BF130486.D

Acq: 30 Sep 2022 16:11

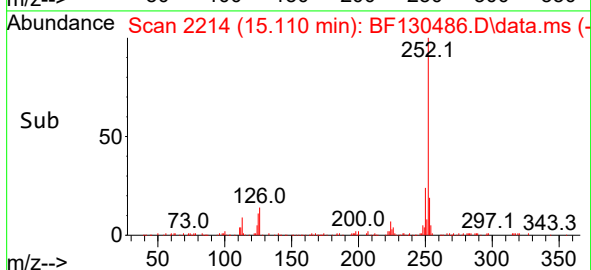
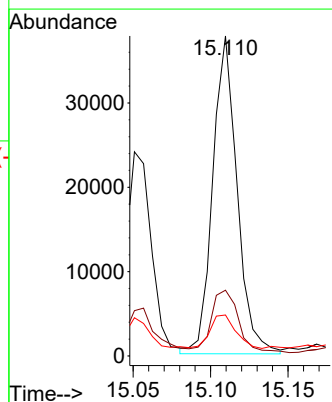
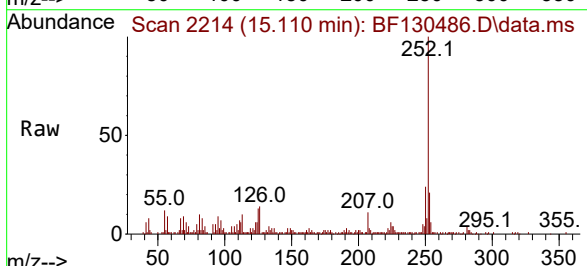
Tgt Ion:252 Resp: 41247

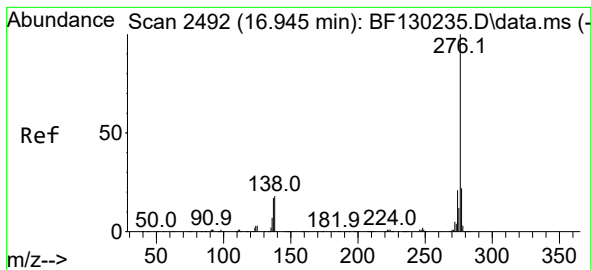
Ion Ratio Lower Upper

252 100

253 20.5 17.8 26.6

125 12.8 9.0 13.6





#92

Benzo(g,h,i)perylene

Concen: 2.149 ng

RT: 16.874 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF130486.D

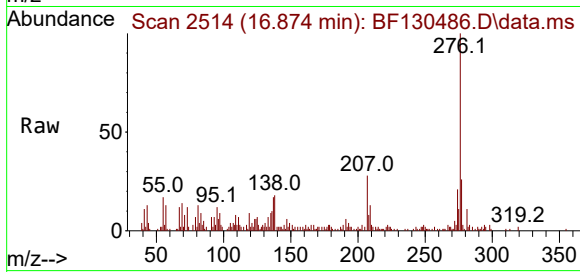
Acq: 30 Sep 2022 16:11

Instrument :

BNA_F

ClientSampleId :

VNJ-211



Tgt Ion: 276 Resp: 28641

Ion Ratio Lower Upper

276 100

277 25.6 18.6 27.8

138 18.0 14.6 21.8

