

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070324\
 Data File : BF138449.D
 Acq On : 03 Jul 2024 16:40
 Operator : CG\JU
 Sample : P3134-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-238

Quant Time: Jul 03 17:04:52 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 29 02:44:30 2024
 Response via : Initial Calibration

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

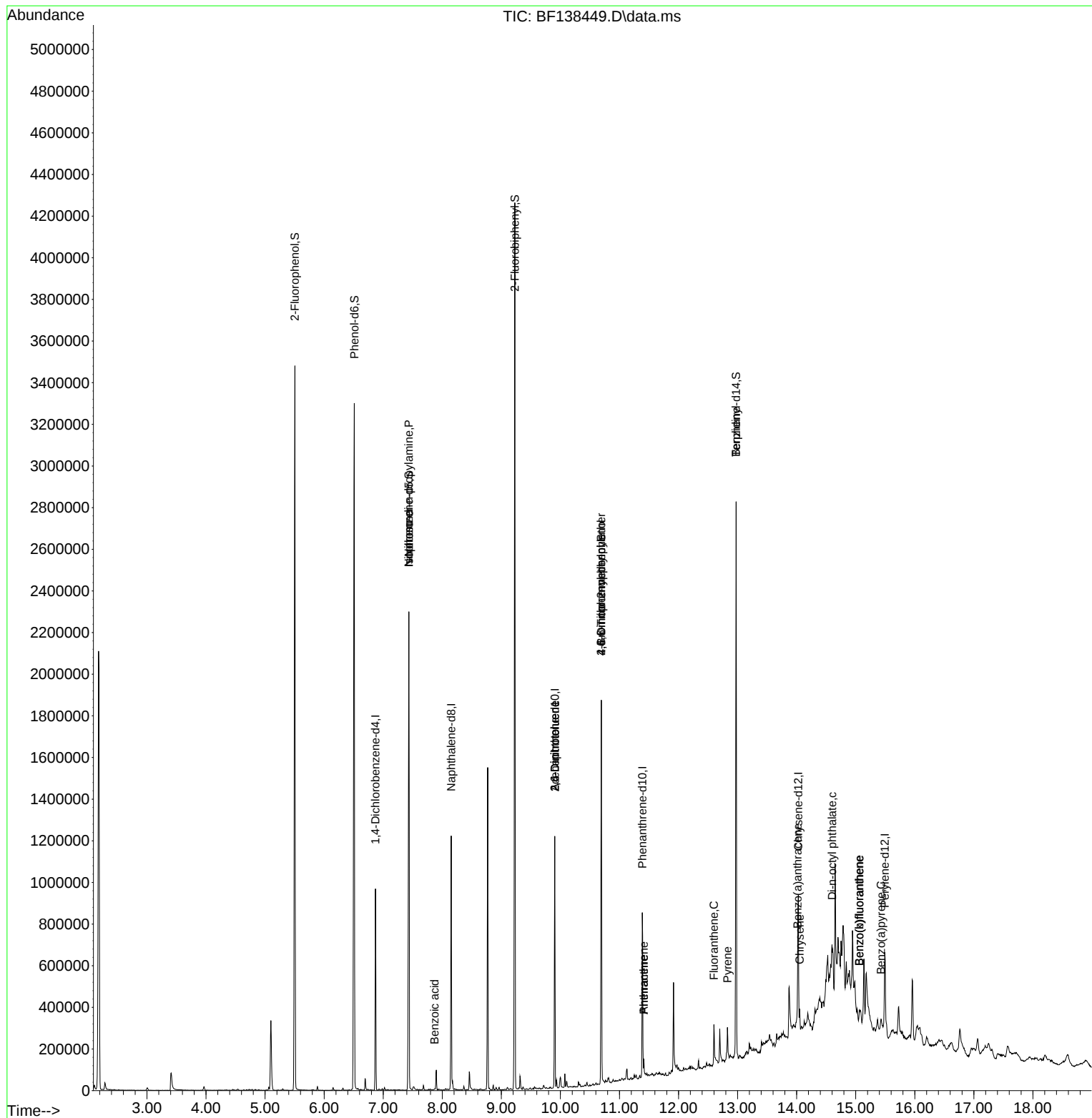
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	116437	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	444782	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	212829	20.000	ng	-0.01
64) Phenanthrene-d10	11.386	188	275425	20.000	ng	-0.01
76) Chrysene-d12	14.027	240	208844	20.000	ng	# 0.00
86) Perylene-d12	15.492	264	173656	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	829445	118.105	ng	0.00
7) Phenol-d6	6.510	99	1084669	114.651	ng	0.00
23) Nitrobenzene-d5	7.434	82	727328	84.947	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	181749	104.523	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	1164779	87.098	ng	0.00
79) Terphenyl-d14	12.974	244	838445	55.018	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.434	70	97575	16.360	ng	# 77
25) Isophorone	7.434	82	724844	45.912	ng	# 67
32) Benzoic acid	7.869	122	336	4.169	ng	92
51) 2,6-Dinitrotoluene	9.904	165	29319	9.571	ng	# 21
57) 2,4-Dinitrotoluene	9.904	165	29404	7.796	ng	# 19
65) 4,6-Dinitro-2-methylph...	10.692	198	465	6.077	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	12091	4.084	ng	# 1
71) Phenanthrene	11.410	178	27780	2.066	ng	98
72) Anthracene	11.410	178	27780	2.071	ng	98
75) Fluoranthene	12.598	202	65227	5.410	ng	97
77) Benzidine	12.974	184	11865	7.105	ng	95
78) Pyrene	12.827	202	55586	2.490	ng	98
81) Benzo(a)anthracene	14.016	228	28427	2.115	ng	94
83) Chrysene	14.051	228	37799	2.890	ng	96
85) Di-n-octyl phthalate	14.598	149	111524	7.480	ng	# 12
88) Benzo(b)fluoranthene	15.063	252	56560	5.936	ng	# 85
89) Benzo(k)fluoranthene	15.063	252	56560	6.445	ng	# 86
90) Benzo(a)pyrene	15.427	252	20394	2.442	ng	# 75

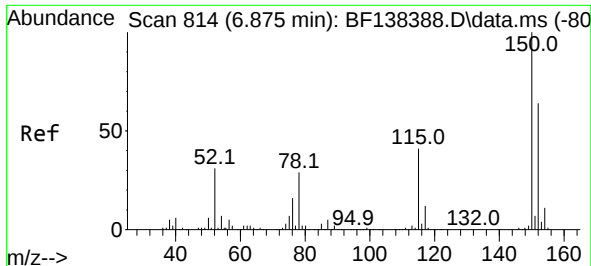
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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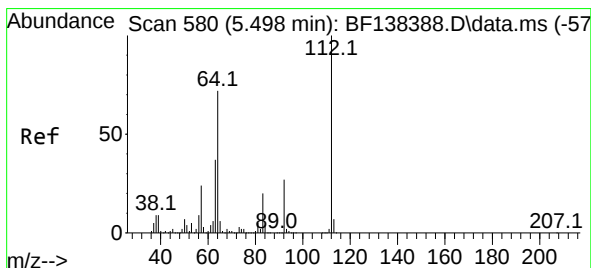
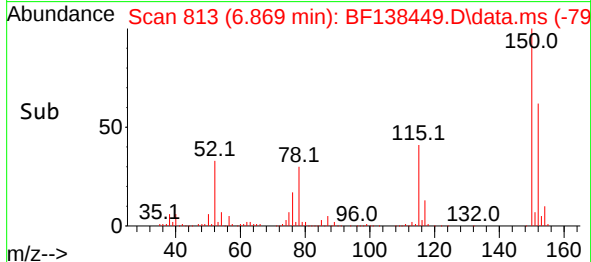
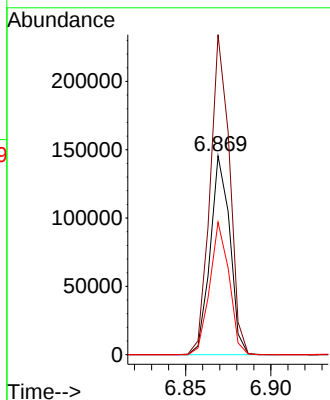
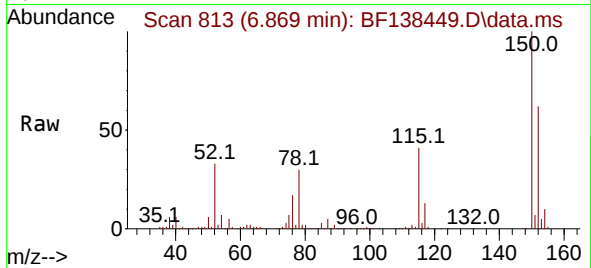




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 814
Delta R.T. -0.006 min
Lab File: BF138449.D
Acq: 03 Jul 2024 16:40

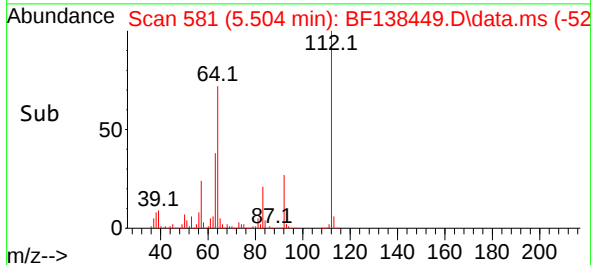
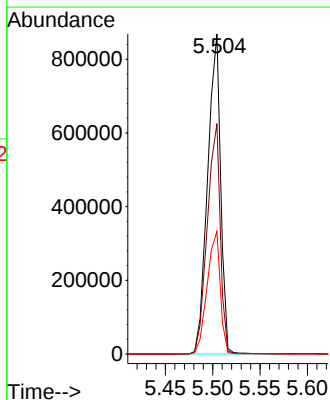
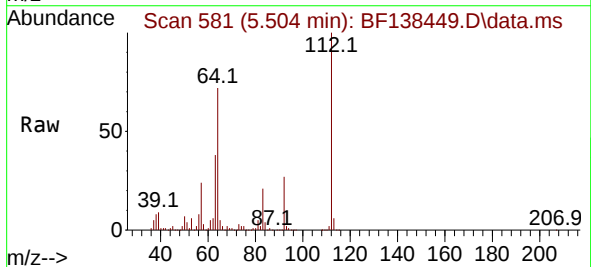
Instrument :
BNA_F
ClientSampleId :
VNJ-238

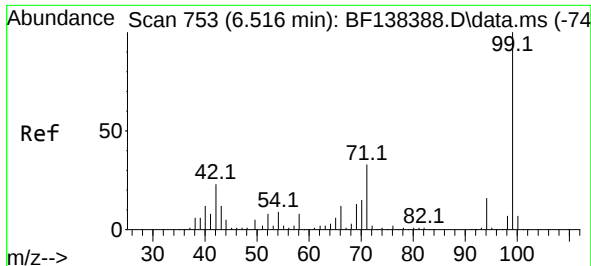
Tgt Ion:152 Resp: 116437
Ion Ratio Lower Upper
152 100
150 160.9 124.9 187.3
115 66.6 50.8 76.2



#5
2-Fluorophenol
Concen: 118.105 ng
RT: 5.504 min Scan# 581
Delta R.T. 0.006 min
Lab File: BF138449.D
Acq: 03 Jul 2024 16:40

Tgt Ion:112 Resp: 829445
Ion Ratio Lower Upper
112 100
64 72.0 57.2 85.8
63 38.3 29.4 44.0





#7

Phenol-d6

Concen: 114.651 ng

RT: 6.510 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF138449.D

Acq: 03 Jul 2024 16:40

Instrument :

BNA_F

ClientSampleId :

VNJ-238

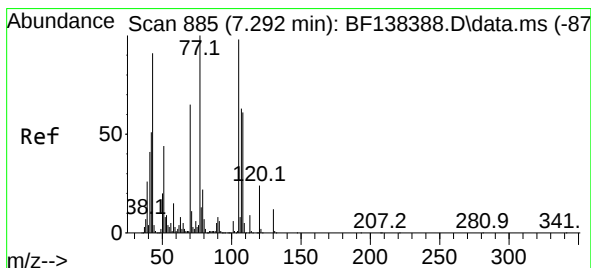
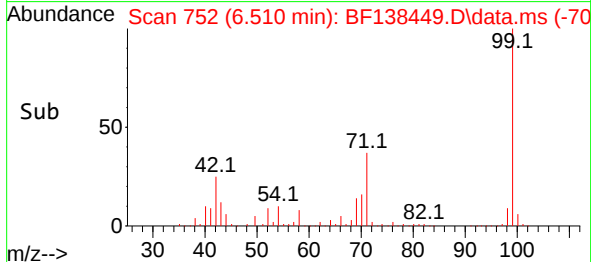
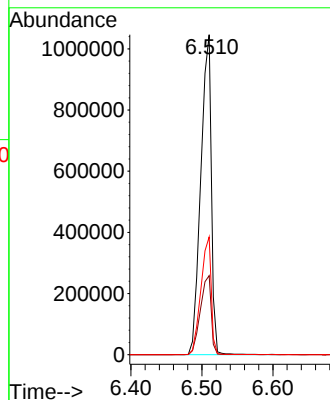
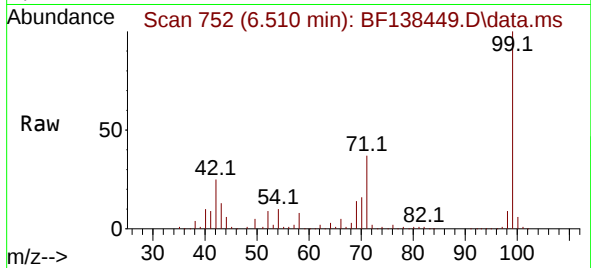
Tgt Ion: 99 Resp: 1084669

Ion Ratio Lower Upper

99 100

42 24.7 18.5 27.7

71 36.8 26.1 39.1



#19

n-Nitroso-di-n-propylamine

Concen: 16.360 ng

RT: 7.434 min Scan# 909

Delta R.T. 0.141 min

Lab File: BF138449.D

Acq: 03 Jul 2024 16:40

Tgt Ion: 70 Resp: 97575

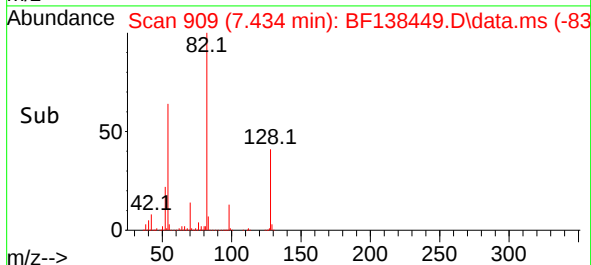
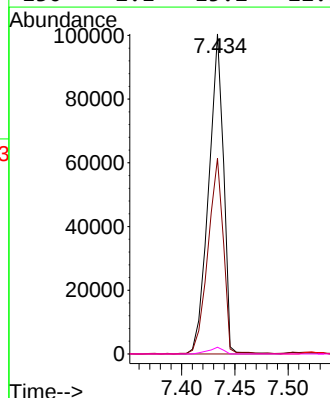
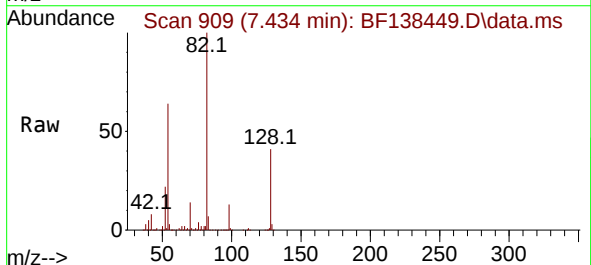
Ion Ratio Lower Upper

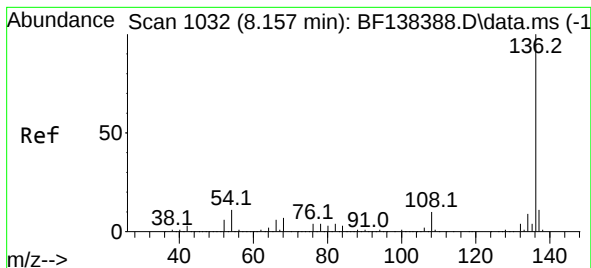
70 100

42 61.1 62.5 93.7#

101 0.0 7.0 10.4#

130 2.1 15.2 22.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.151 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF138449.D

Acq: 03 Jul 2024 16:40

Instrument :

BNA_F

ClientSampleId :

VNJ-238

Tgt Ion:136 Resp: 444782

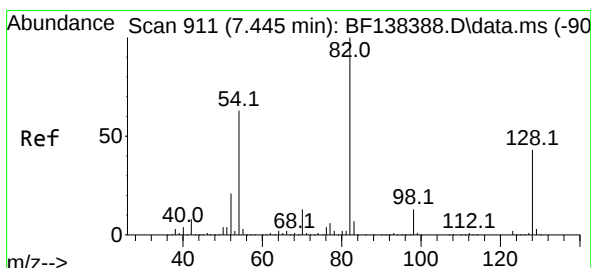
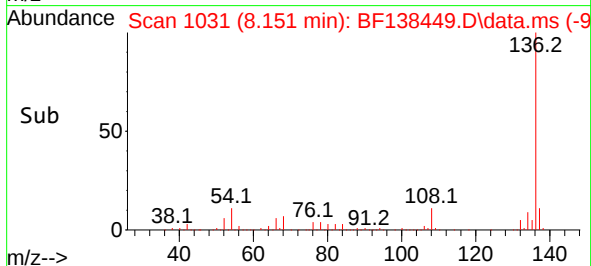
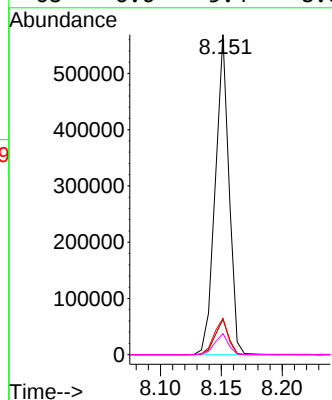
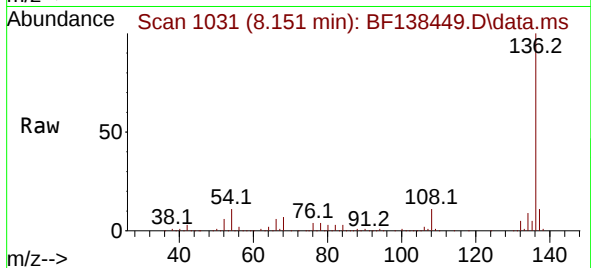
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 11.3 9.0 13.4

68 6.6 5.4 8.0



#23

Nitrobenzene-d5

Concen: 84.947 ng

RT: 7.434 min Scan# 909

Delta R.T. -0.012 min

Lab File: BF138449.D

Acq: 03 Jul 2024 16:40

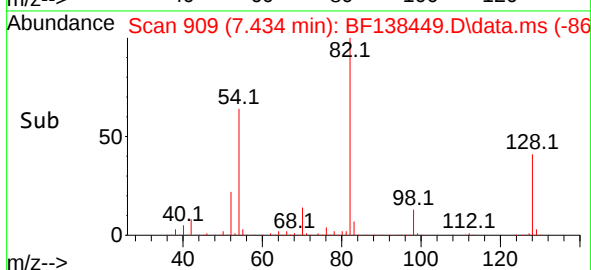
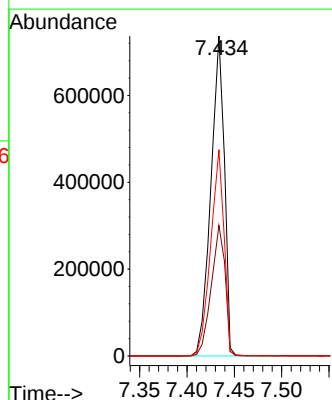
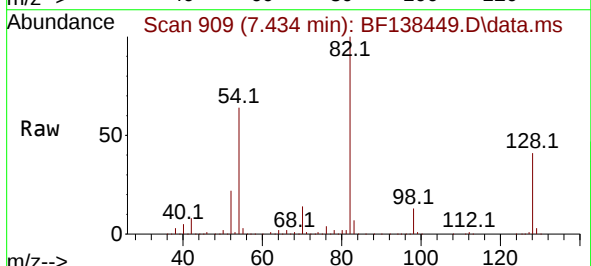
Tgt Ion: 82 Resp: 727328

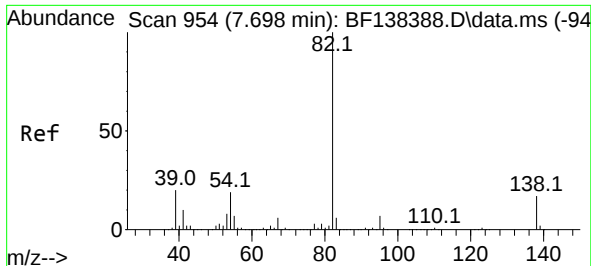
Ion Ratio Lower Upper

82 100

128 40.8 34.6 52.0

54 64.5 50.5 75.7

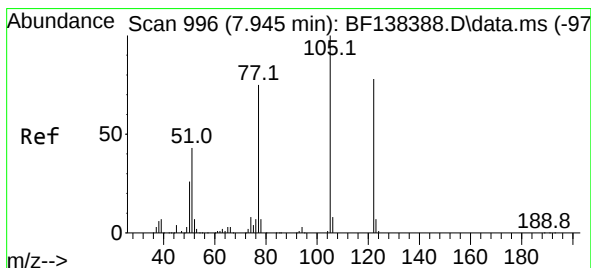
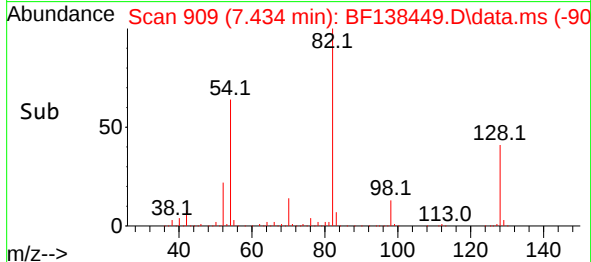
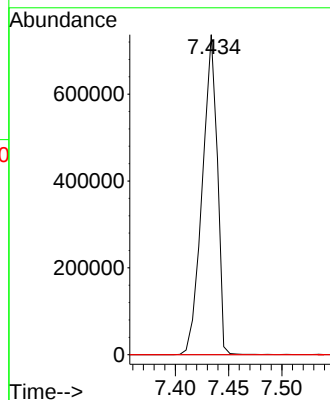
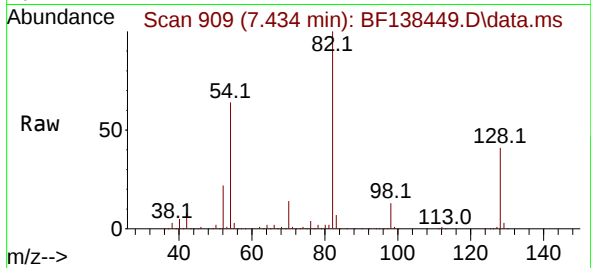




#25
Isophorone
Concen: 45.912 ng
RT: 7.434 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF138449.D
Acq: 03 Jul 2024 16:40

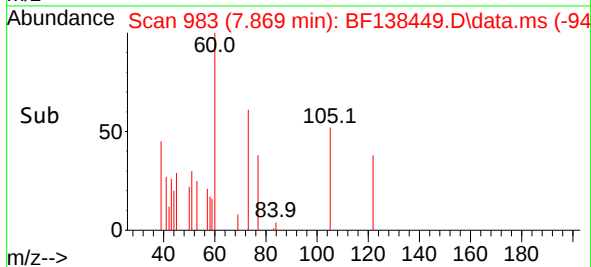
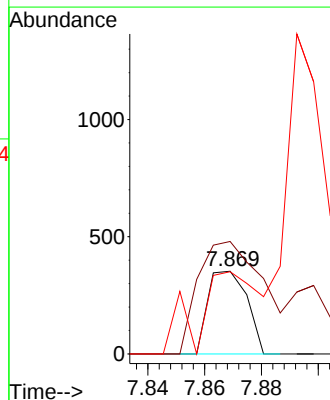
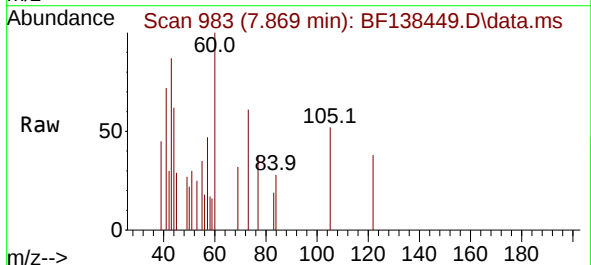
Instrument :
BNA_F
ClientSampleId :
VNJ-238

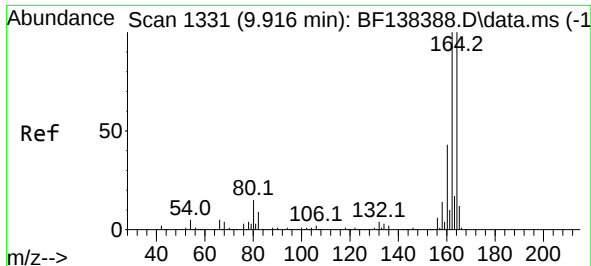
Tgt Ion: 82 Resp: 724844
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.4 20.2#



#32
Benzoic acid
Concen: 4.169 ng
RT: 7.869 min Scan# 983
Delta R.T. -0.076 min
Lab File: BF138449.D
Acq: 03 Jul 2024 16:40

Tgt Ion:122 Resp: 336
Ion Ratio Lower Upper
122 100
105 136.0 103.8 143.8
77 99.4 74.3 114.3

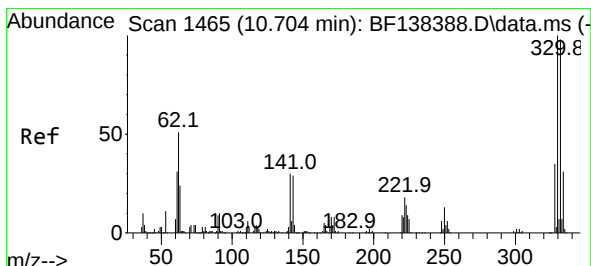
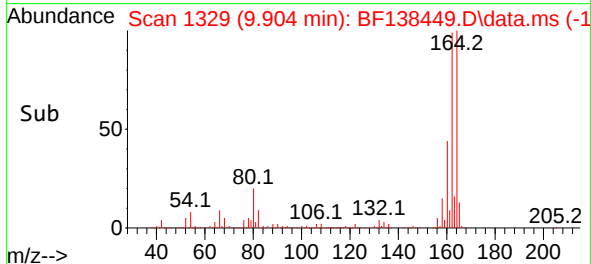
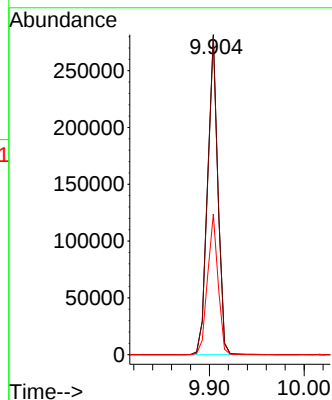
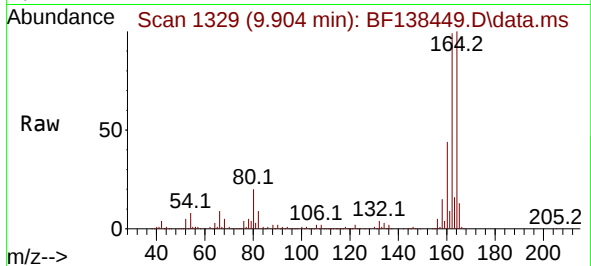




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF138449.D
Acq: 03 Jul 2024 16:40

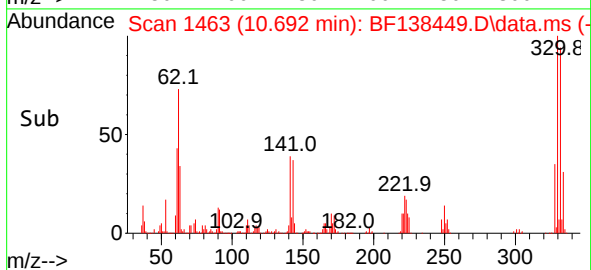
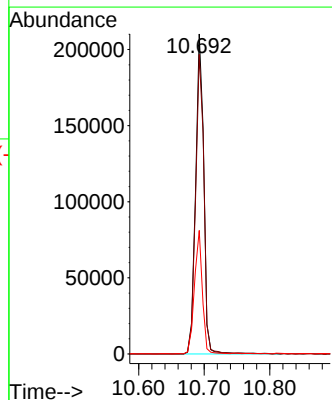
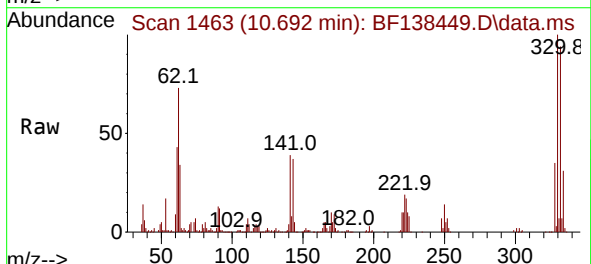
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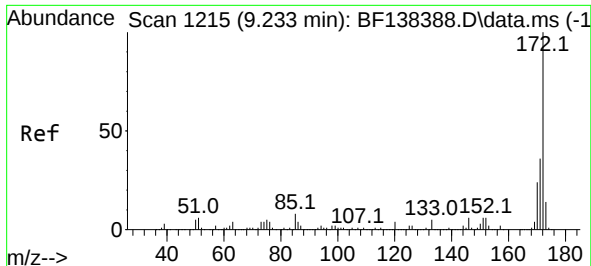
Tgt Ion:164 Resp: 212829
Ion Ratio Lower Upper
164 100
162 99.3 80.1 120.1
160 43.9 34.1 51.1



#42
2,4,6-Tribromophenol
Concen: 104.523 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.012 min
Lab File: BF138449.D
Acq: 03 Jul 2024 16:40

Tgt Ion:330 Resp: 181749
Ion Ratio Lower Upper
330 100
332 95.5 77.0 115.6
141 37.5 28.1 42.1





#45

2-Fluorobiphenyl

Concen: 87.098 ng

RT: 9.228 min Scan# 1

Delta R.T. -0.005 min

Lab File: BF138449.D

Acq: 03 Jul 2024 16:40

Instrument :

BNA_F

ClientSampleId :

VNJ-238

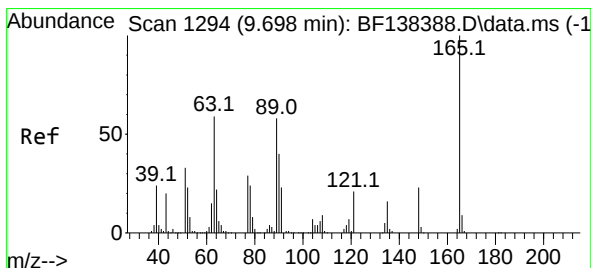
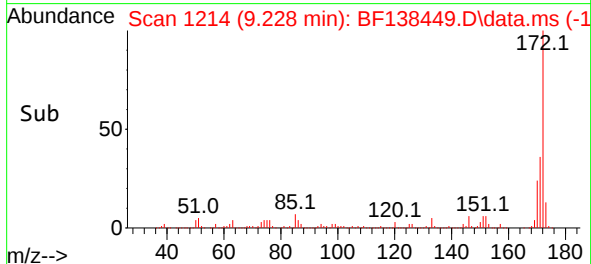
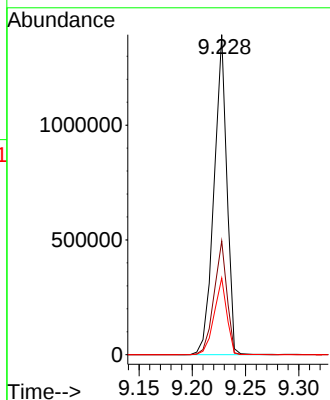
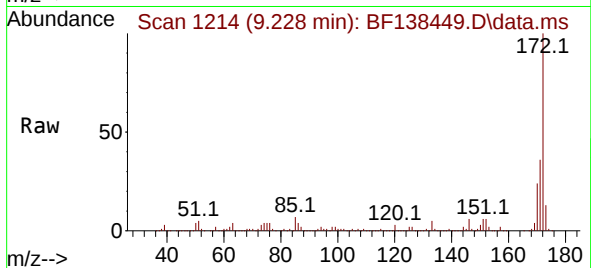
Tgt Ion:172 Resp: 1164779

Ion Ratio Lower Upper

172 100

171 35.5 29.0 43.4

170 23.9 19.0 28.6



#51

2,6-Dinitrotoluene

Concen: 9.571 ng

RT: 9.904 min Scan# 1329

Delta R.T. 0.206 min

Lab File: BF138449.D

Acq: 03 Jul 2024 16:40

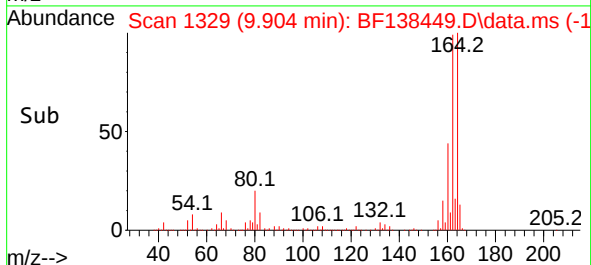
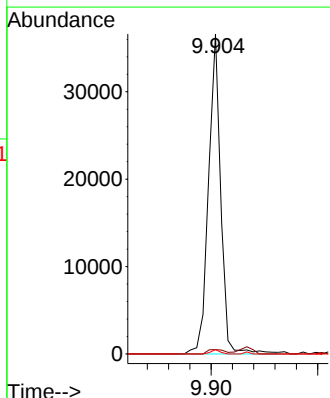
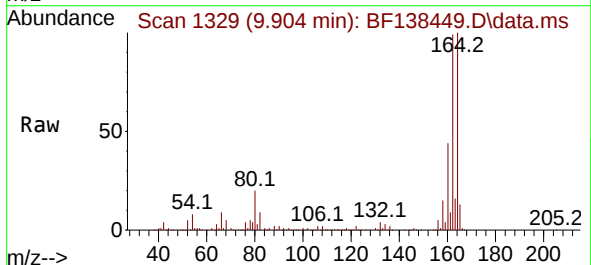
Tgt Ion:165 Resp: 29319

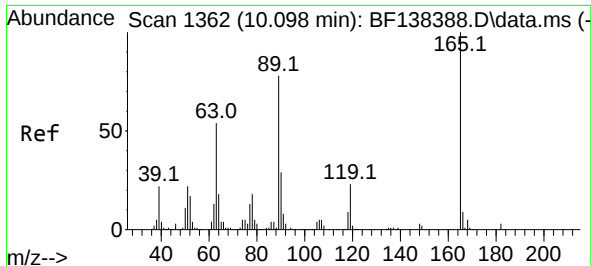
Ion Ratio Lower Upper

165 100

63 1.4 53.8 80.8#

89 1.3 46.4 69.6#

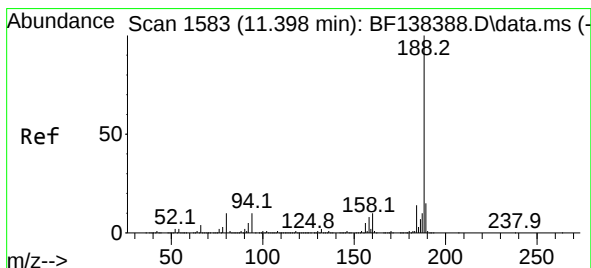
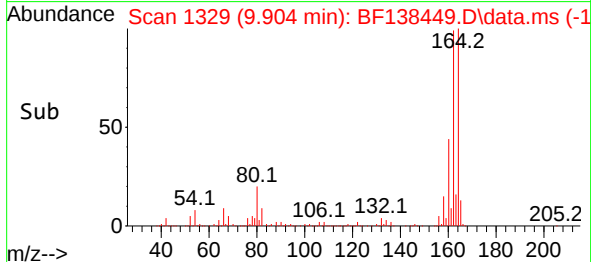
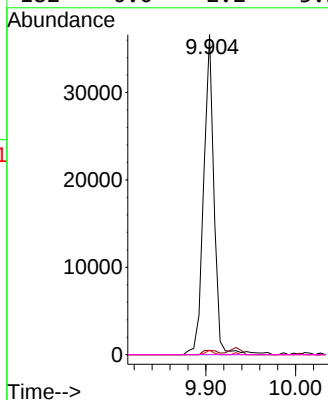
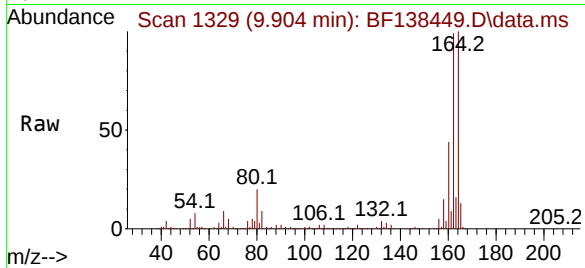




#57
2,4-Dinitrotoluene
Concen: 7.796 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF138449.D
Acq: 03 Jul 2024 16:40

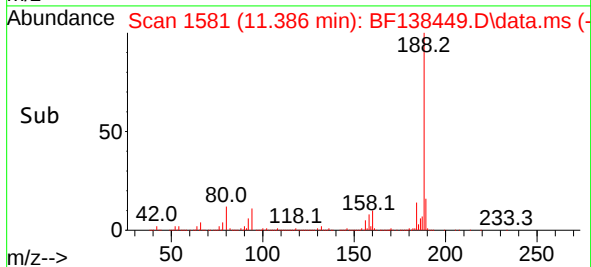
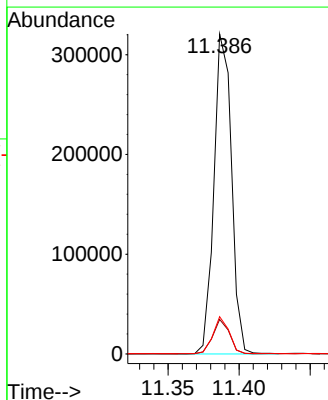
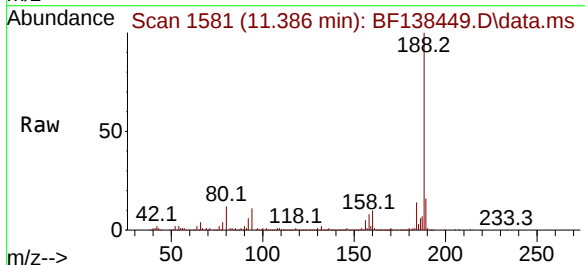
Instrument :
BNA_F
ClientSampleId :
VNJ-238

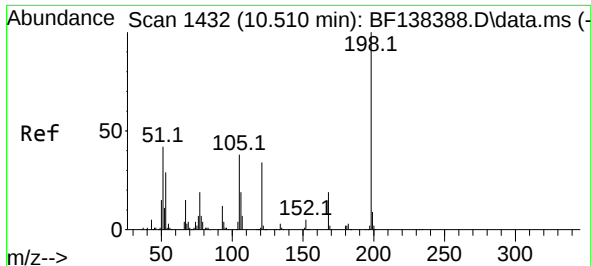
Tgt Ion:165 Resp: 29404
Ion Ratio Lower Upper
165 100
63 1.4 43.4 65.2#
89 1.3 62.6 93.8#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF138449.D
Acq: 03 Jul 2024 16:40

Tgt Ion:188 Resp: 275425
Ion Ratio Lower Upper
188 100
94 10.8 8.0 12.0
80 11.6 8.2 12.4

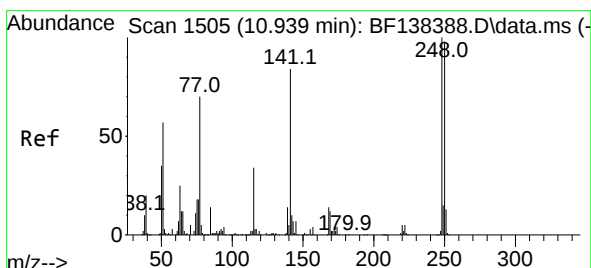
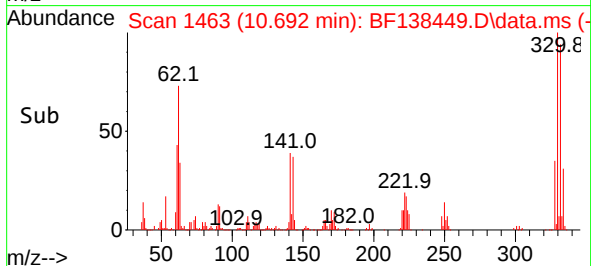
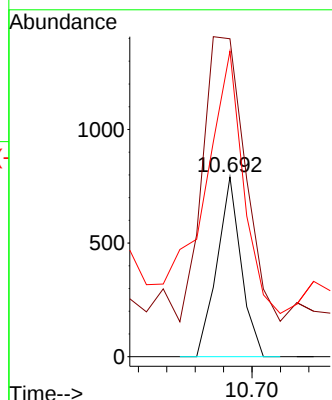
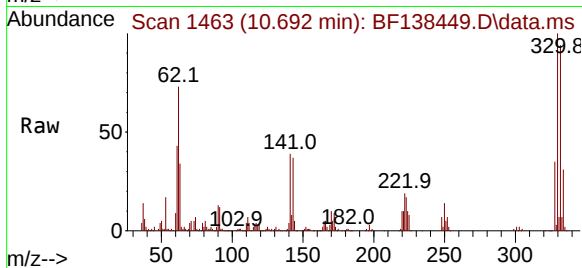




#65
4,6-Dinitro-2-methylphenol
Concen: 6.077 ng
RT: 10.692 min Scan# 1463
Delta R.T. 0.182 min
Lab File: BF138449.D
Acq: 03 Jul 2024 16:40

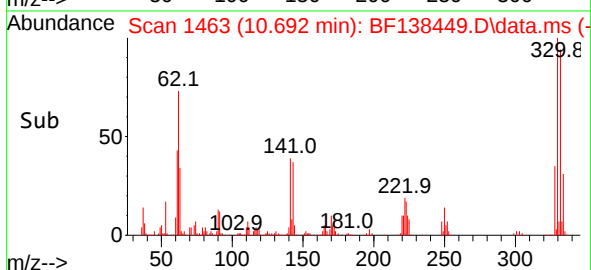
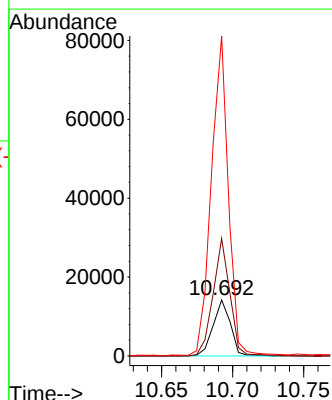
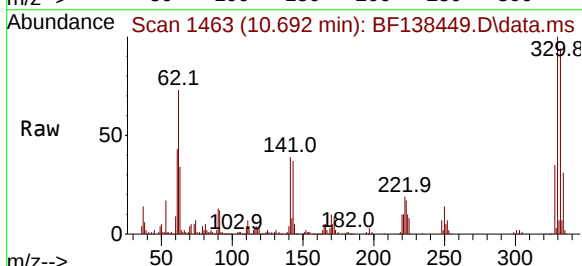
Instrument :
BNA_F
ClientSampleId :
VNJ-238

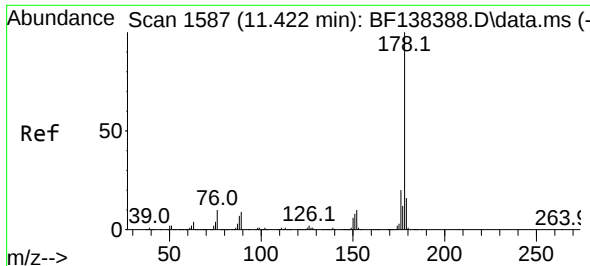
Tgt Ion:198 Resp: 465
Ion Ratio Lower Upper
198 100
51 176.9 27.9 67.9#
105 169.9 18.2 58.2#



#67
4-Bromophenyl-phenylether
Concen: 4.084 ng
RT: 10.692 min Scan# 1463
Delta R.T. -0.247 min
Lab File: BF138449.D
Acq: 03 Jul 2024 16:40

Tgt Ion:248 Resp: 12091
Ion Ratio Lower Upper
248 100
250 210.0 78.2 117.4#
141 571.8 67.6 101.4#

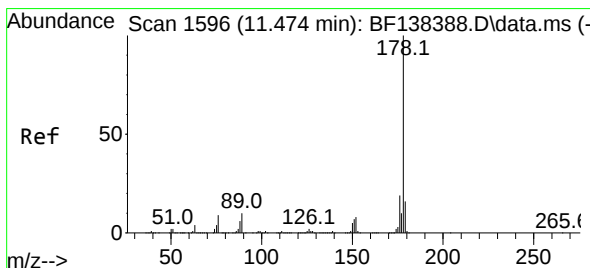
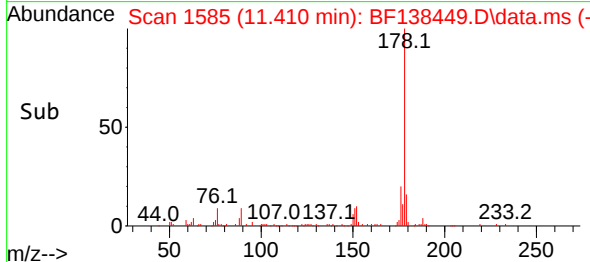
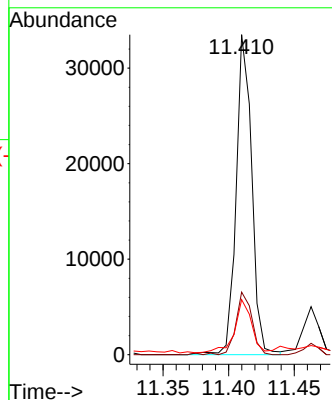
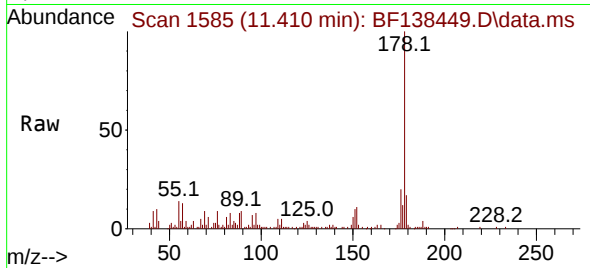




#71
Phenanthrene
Concen: 2.066 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.012 min
Lab File: BF138449.D
Acq: 03 Jul 2024 16:40

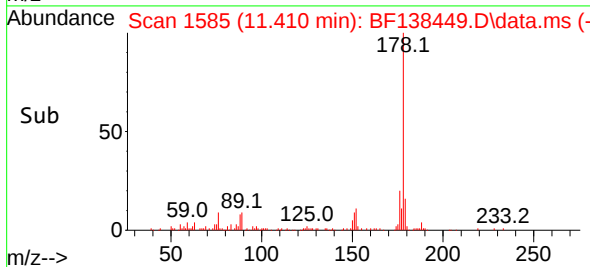
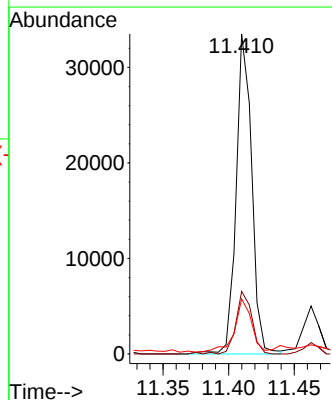
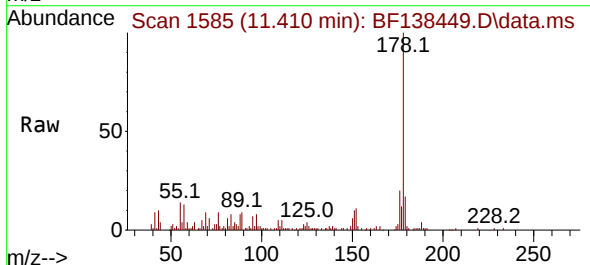
Instrument :
BNA_F
ClientSampleId :
VNJ-238

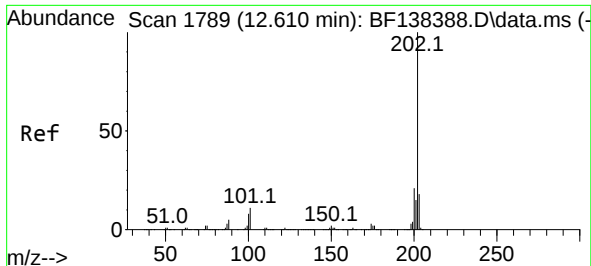
Tgt Ion:178 Resp: 27780
Ion Ratio Lower Upper
178 100
176 19.5 16.1 24.1
179 17.2 12.6 18.8



#72
Anthracene
Concen: 2.071 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.064 min
Lab File: BF138449.D
Acq: 03 Jul 2024 16:40

Tgt Ion:178 Resp: 27780
Ion Ratio Lower Upper
178 100
176 19.5 15.0 22.6
179 17.2 12.7 19.1

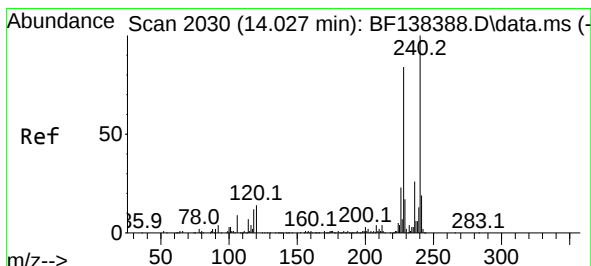
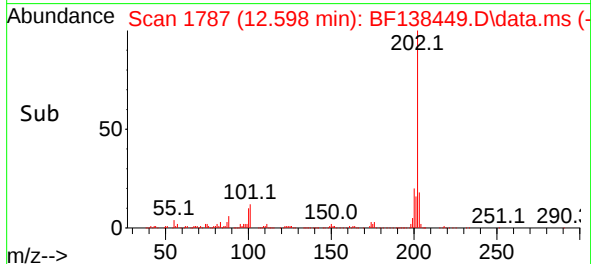
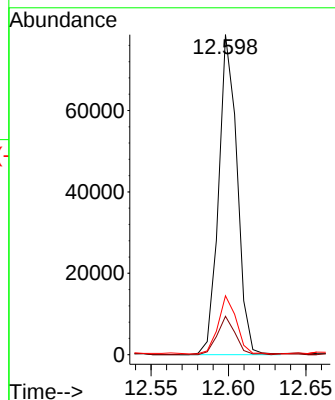
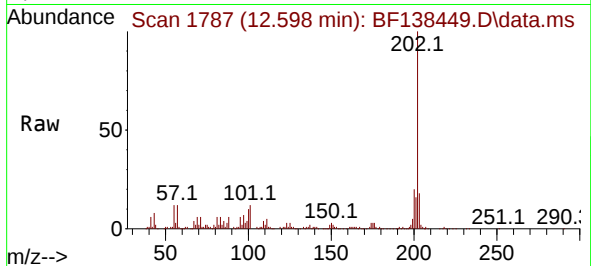




#75
Fluoranthene
Concen: 5.410 ng
RT: 12.598 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF138449.D
Acq: 03 Jul 2024 16:40

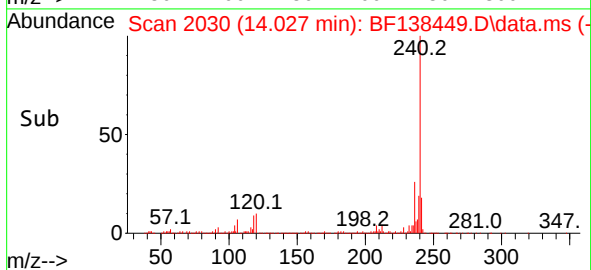
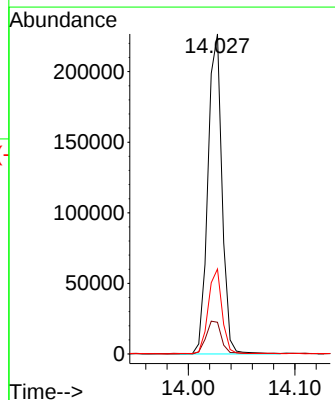
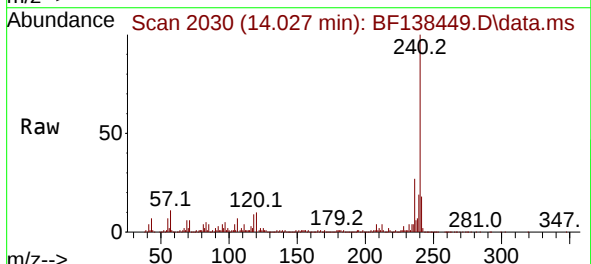
Instrument :
BNA_F
ClientSampleId :
VNJ-238

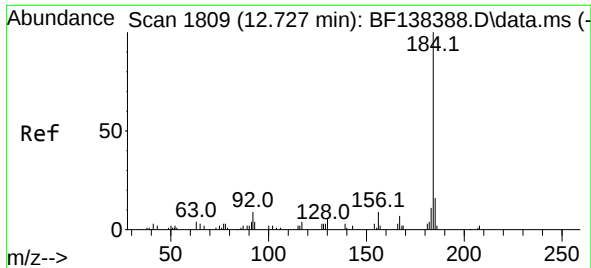
Tgt Ion:202 Resp: 65227
Ion Ratio Lower Upper
202 100
101 12.0 0.0 30.5
203 18.4 0.0 37.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF138449.D
Acq: 03 Jul 2024 16:40

Tgt Ion:240 Resp: 208844
Ion Ratio Lower Upper
240 100
120 9.9 10.9 16.3#
236 26.5 20.6 30.8

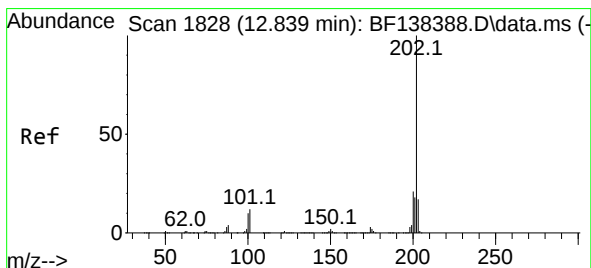
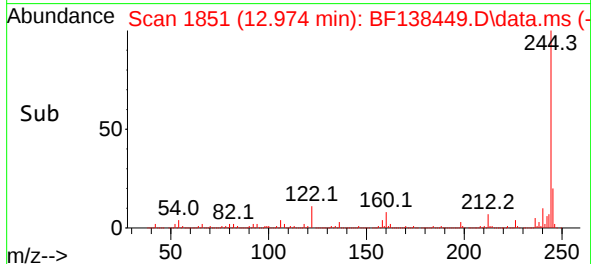
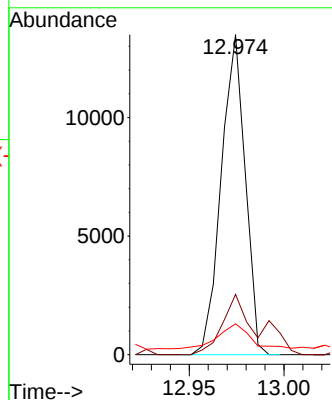
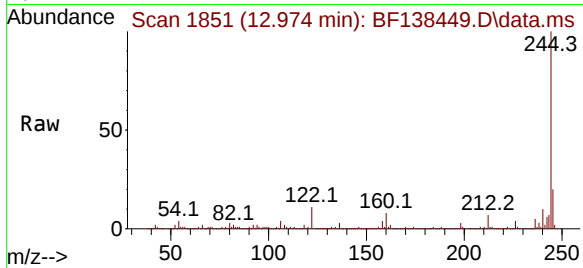




#77
Benzidine
Concen: 7.105 ng
RT: 12.974 min Scan# 1851
Delta R.T. 0.247 min
Lab File: BF138449.D
Acq: 03 Jul 2024 16:40

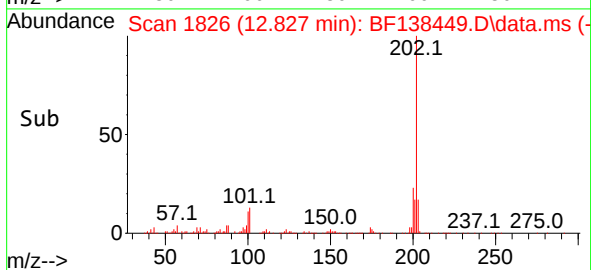
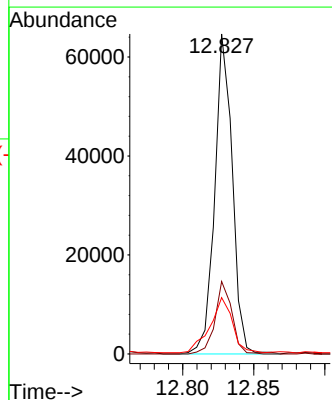
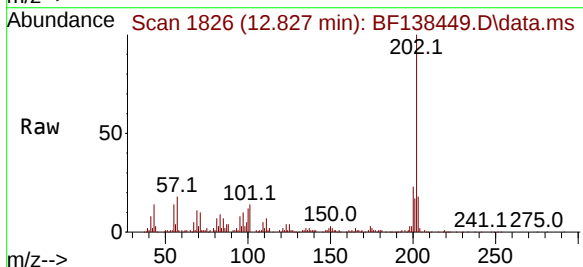
Instrument :
BNA_F
ClientSampleId :
VNJ-238

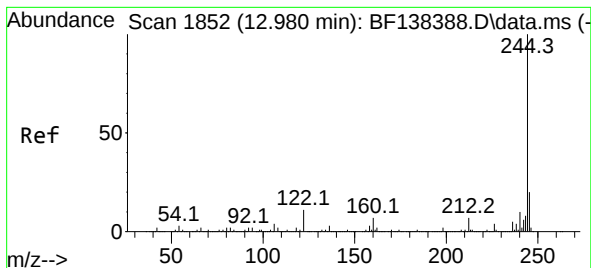
Tgt Ion:184 Resp: 11865
Ion Ratio Lower Upper
184 100
185 18.9 13.0 19.4
183 9.6 9.0 13.6



#78
Pyrene
Concen: 2.490 ng
RT: 12.827 min Scan# 1826
Delta R.T. -0.012 min
Lab File: BF138449.D
Acq: 03 Jul 2024 16:40

Tgt Ion:202 Resp: 55586
Ion Ratio Lower Upper
202 100
200 22.7 16.9 25.3
203 17.6 13.8 20.8





#79

Terphenyl-d14

Concen: 55.018 ng

RT: 12.974 min Scan# 1851

Delta R.T. -0.006 min

Lab File: BF138449.D

Acq: 03 Jul 2024 16:40

Instrument :

BNA_F

ClientSampleId :

VNJ-238

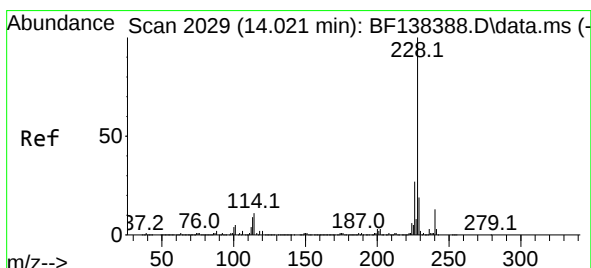
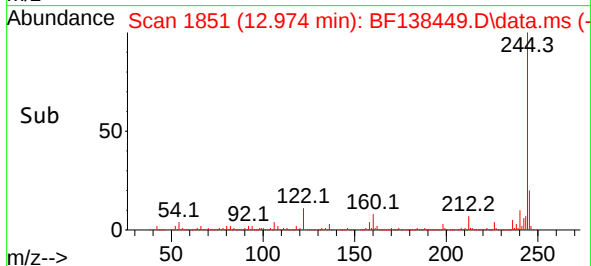
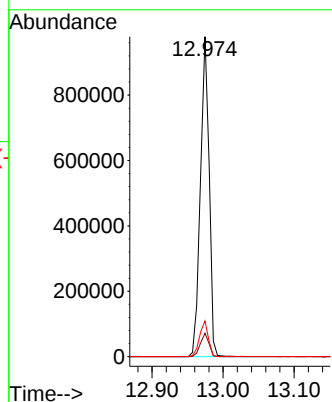
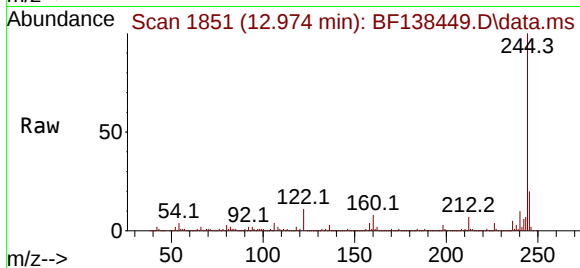
Tgt Ion:244 Resp: 838445

Ion Ratio Lower Upper

244 100

212 7.3 5.6 8.4

122 11.2 9.0 13.4



#81

Benzo(a)anthracene

Concen: 2.115 ng

RT: 14.016 min Scan# 2028

Delta R.T. -0.006 min

Lab File: BF138449.D

Acq: 03 Jul 2024 16:40

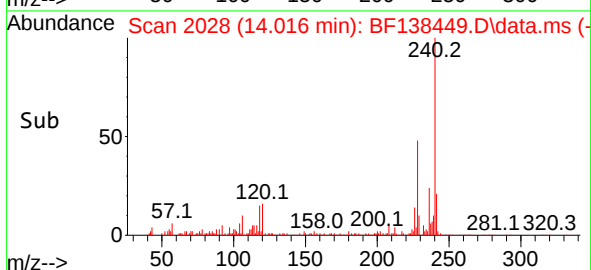
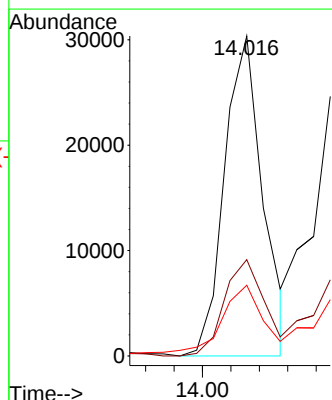
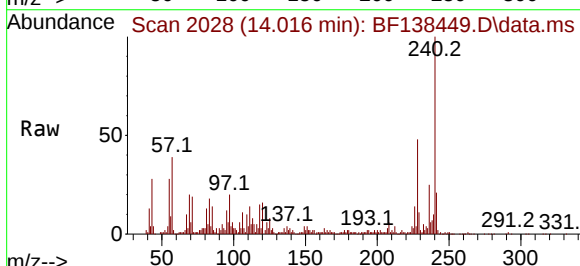
Tgt Ion:228 Resp: 28427

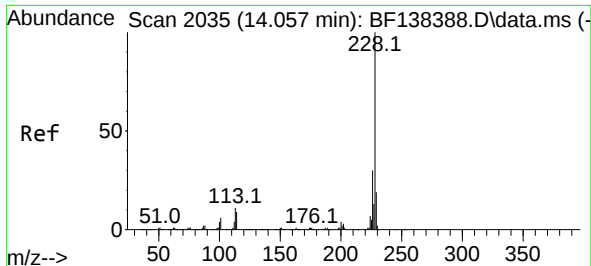
Ion Ratio Lower Upper

228 100

226 30.1 21.7 32.5

229 22.1 15.5 23.3

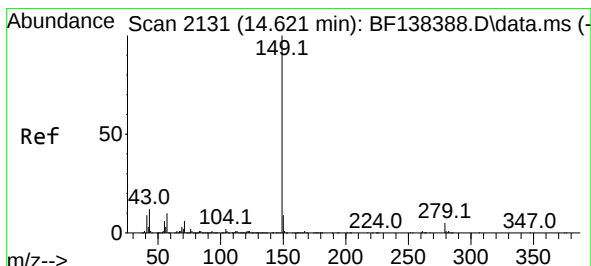
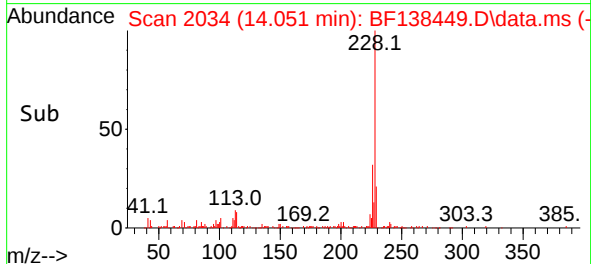
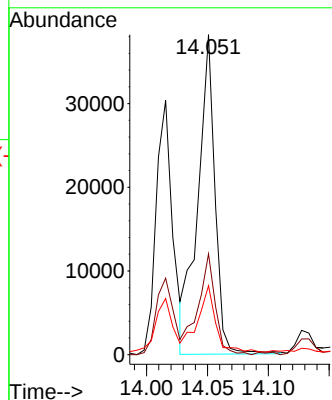
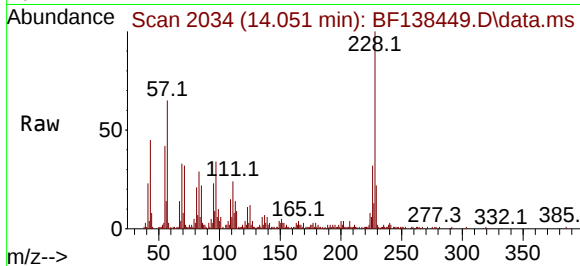




#83
Chrysene
Concen: 2.890 ng
RT: 14.051 min Scan# 2035
Delta R.T. -0.006 min
Lab File: BF138449.D
Acq: 03 Jul 2024 16:40

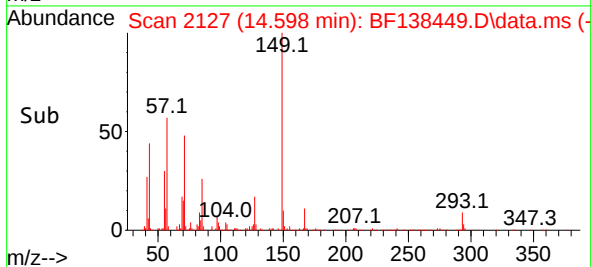
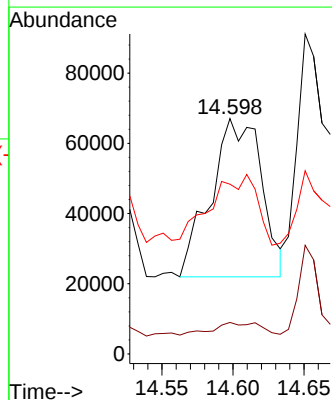
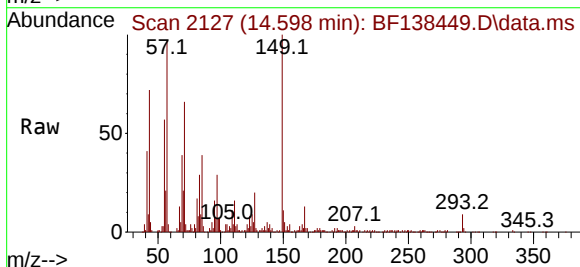
Instrument :
BNA_F
ClientSampleId :
VNJ-238

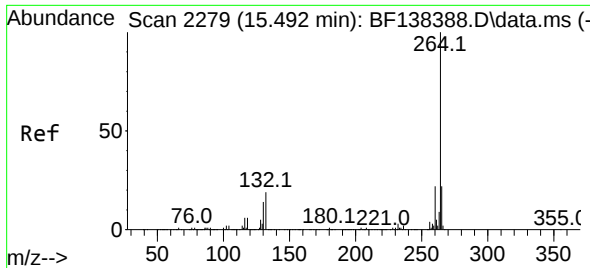
Tgt Ion:228 Resp: 37799
Ion Ratio Lower Upper
228 100
226 31.5 23.8 35.6
229 21.5 15.2 22.8



#85
Di-n-octyl phthalate
Concen: 7.480 ng
RT: 14.598 min Scan# 2127
Delta R.T. -0.023 min
Lab File: BF138449.D
Acq: 03 Jul 2024 16:40

Tgt Ion:149 Resp: 111524
Ion Ratio Lower Upper
149 100
167 17.0 1.3 1.9#
43 51.4 10.9 16.3#

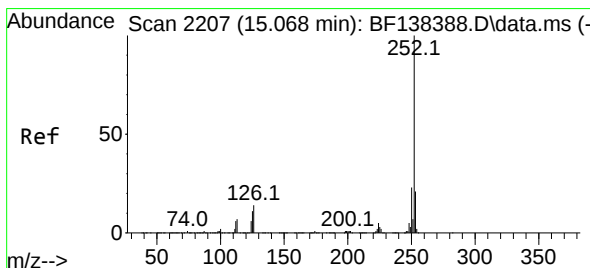
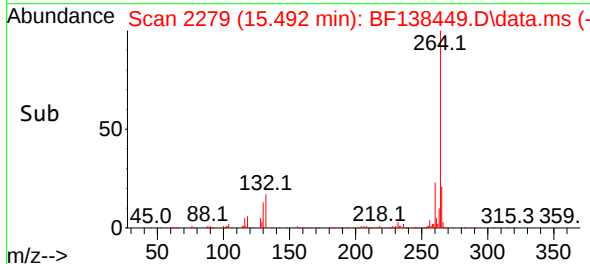
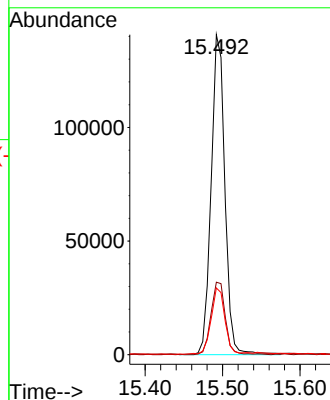
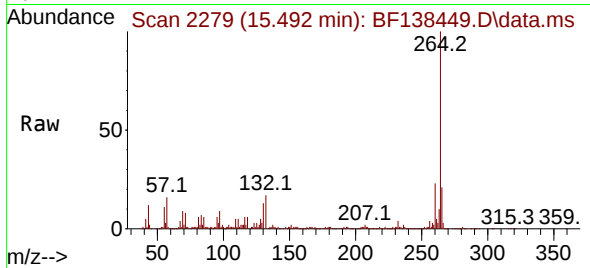




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.492 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF138449.D
 Acq: 03 Jul 2024 16:40

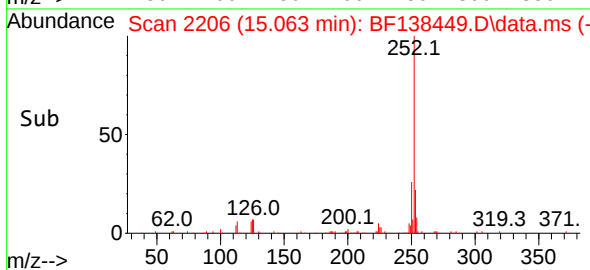
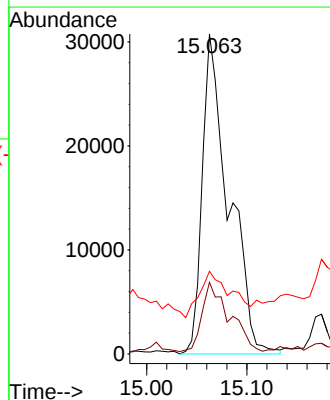
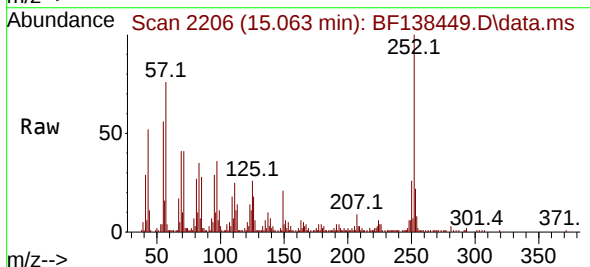
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-238

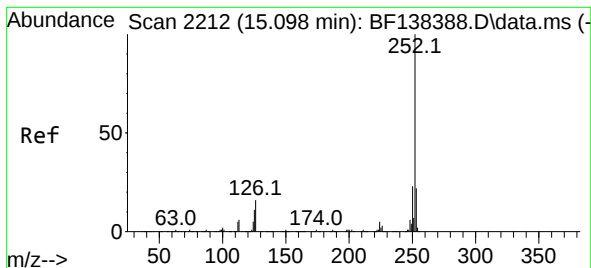
Tgt Ion:264 Resp: 173656
 Ion Ratio Lower Upper
 264 100
 260 22.6 17.8 26.6
 265 20.9 17.5 26.3



#88
 Benzo(b)fluoranthene
 Concen: 5.936 ng
 RT: 15.063 min Scan# 2206
 Delta R.T. -0.006 min
 Lab File: BF138449.D
 Acq: 03 Jul 2024 16:40

Tgt Ion:252 Resp: 56560
 Ion Ratio Lower Upper
 252 100
 253 22.4 17.0 25.4
 125 25.9 8.6 12.8#





#89

Benzo(k)fluoranthene

Concen: 6.445 ng

RT: 15.063 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF138449.D

Acq: 03 Jul 2024 16:40

Instrument :

BNA_F

ClientSampleId :

VNJ-238

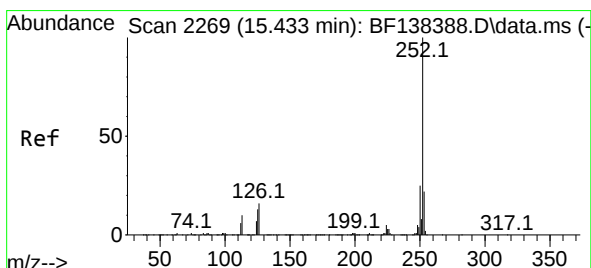
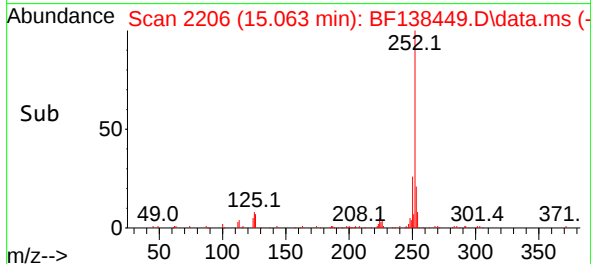
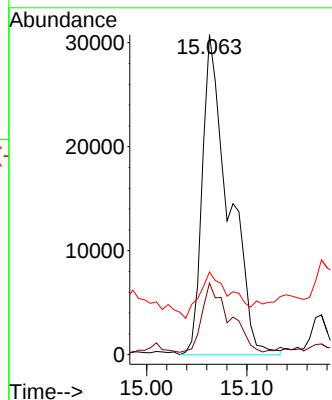
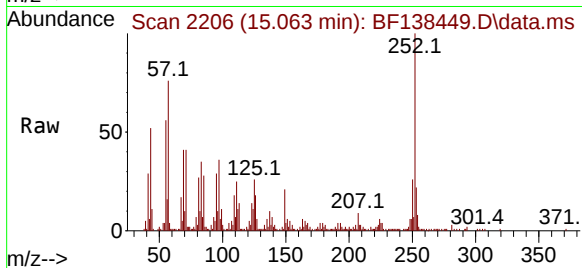
Tgt Ion:252 Resp: 56560

Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.2

125 25.9 8.7 13.1#



#90

Benzo(a)pyrene

Concen: 2.442 ng

RT: 15.427 min Scan# 2268

Delta R.T. -0.006 min

Lab File: BF138449.D

Acq: 03 Jul 2024 16:40

Tgt Ion:252 Resp: 20394

Ion Ratio Lower Upper

252 100

253 22.1 17.6 26.4

125 39.1 10.2 15.2#

