

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082823\
 Data File : BF134977.D
 Acq On : 28 Aug 2023 19:46
 Operator : CG\JU
 Sample : 04165-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-208

Quant Time: Aug 29 03:52:32 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 28 02:45:19 2023
 Response via : Initial Calibration

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

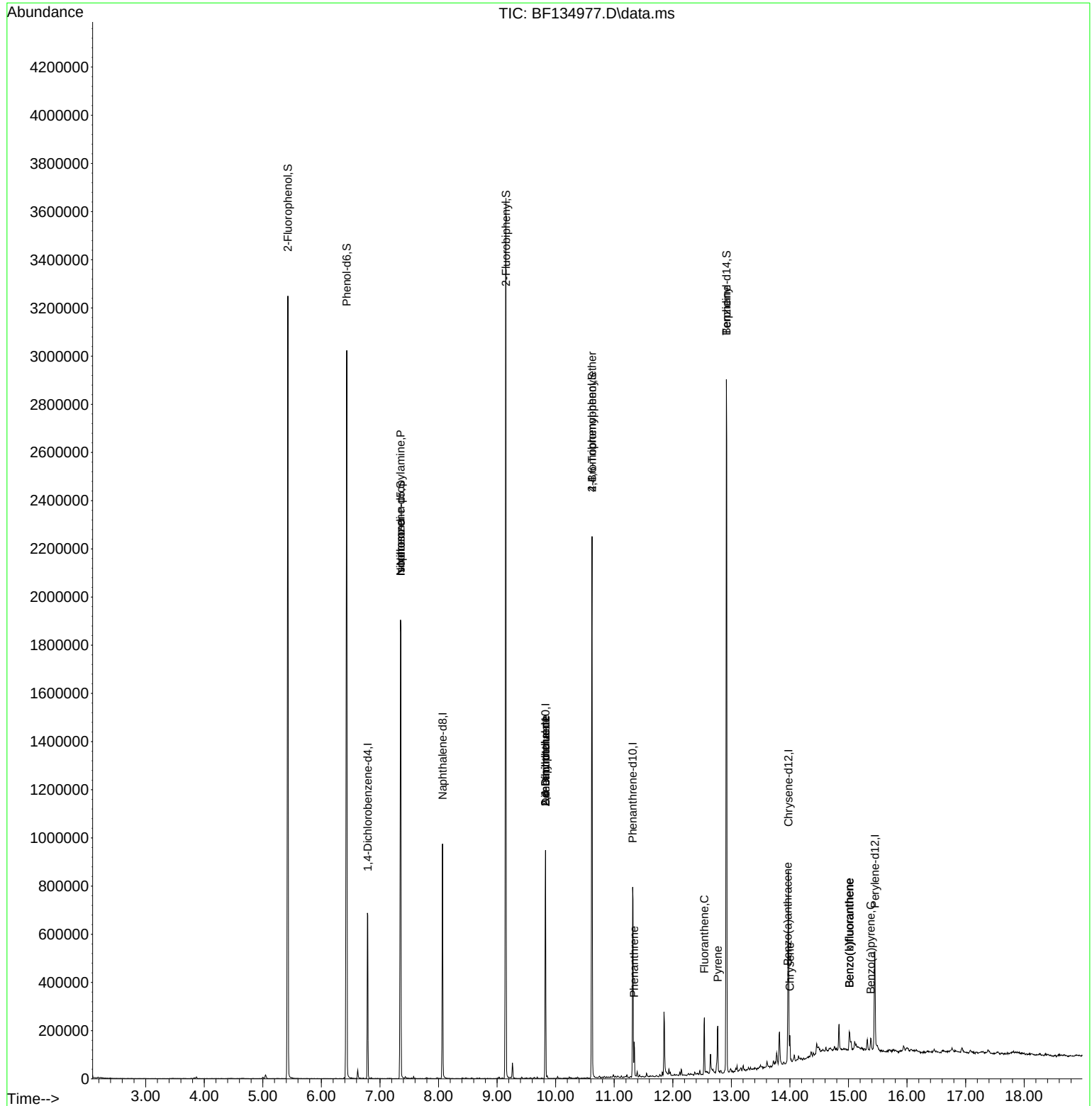
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	101020	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	395610	20.000	ng	0.00
39) Acenaphthene-d10	9.827	164	185240	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	293223	20.000	ng	-0.01
76) Chrysene-d12	13.974	240	238389	20.000	ng	0.00
86) Perylene-d12	15.451	264	197492	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	900422	142.136	ng	0.00
7) Phenol-d6	6.434	99	1107350	136.797	ng	0.00
23) Nitrobenzene-d5	7.351	82	699327	97.408	ng	-0.01
42) 2,4,6-Tribromophenol	10.621	330	264249	121.123	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1165715	97.283	ng	0.00
79) Terphenyl-d14	12.915	244	1089939	62.885	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.351	70	93293	19.733	ng	# 78
25) Isophorone	7.351	82	694642	51.816	ng	# 64
50) Dimethylphthalate	9.827	163	36972	2.804	ng	# 1
51) 2,6-Dinitrotoluene	9.827	165	23028	7.918	ng	# 28
57) 2,4-Dinitrotoluene	9.827	165	23028	6.403	ng	# 25
67) 4-Bromophenyl-phenylether	10.621	248	17451	5.159	ng	# 1
71) Phenanthrene	11.339	178	50890	3.312	ng	99
75) Fluoranthene	12.539	202	91473	6.283	ng	98
77) Benzidine	12.915	184	14653	3.788	ng	# 96
78) Pyrene	12.768	202	79643	3.151	ng	99
81) Benzo(a)anthracene	13.962	228	38654	2.377	ng	96
83) Chrysene	13.998	228	40599	2.530	ng	97
88) Benzo(b)fluoranthene	15.015	252	58036	5.209	ng	98
89) Benzo(k)fluoranthene	15.015	252	58036	5.304	ng	97
90) Benzo(a)pyrene	15.380	252	25302	2.275	ng	# 96

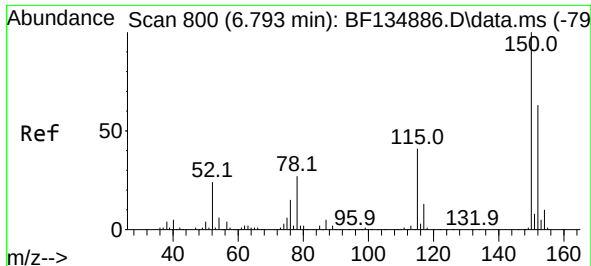
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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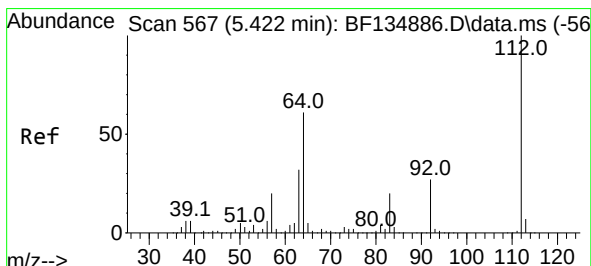
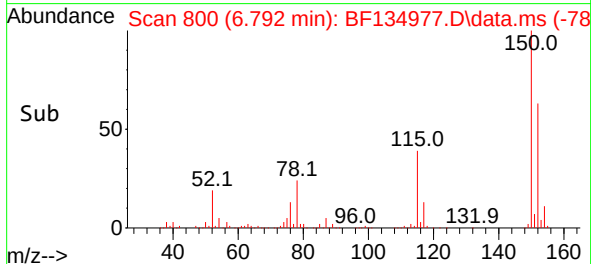
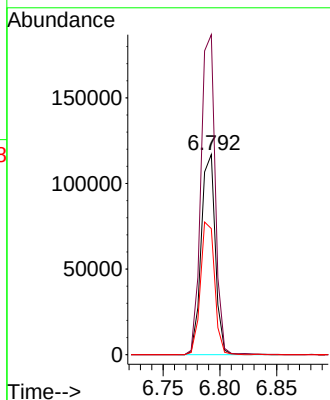
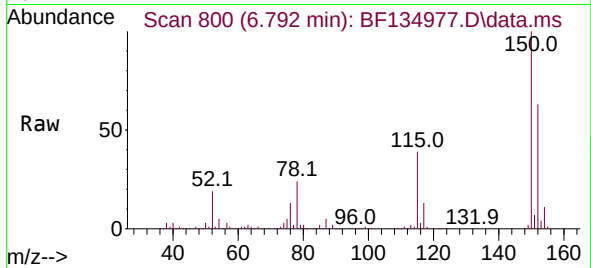




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 80
Delta R.T. -0.001 min
Lab File: BF134977.D
Acq: 28 Aug 2023 19:46

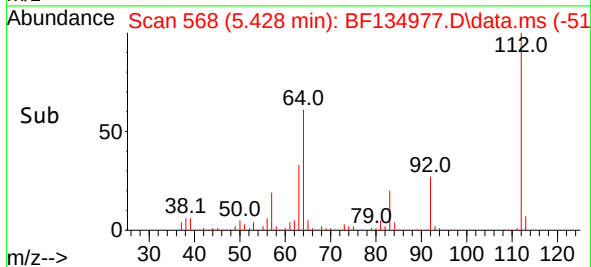
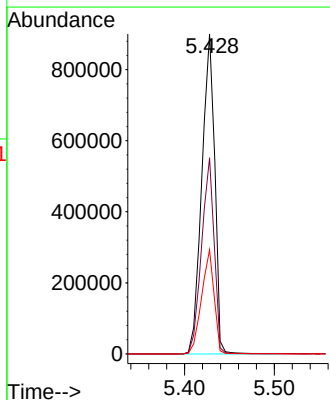
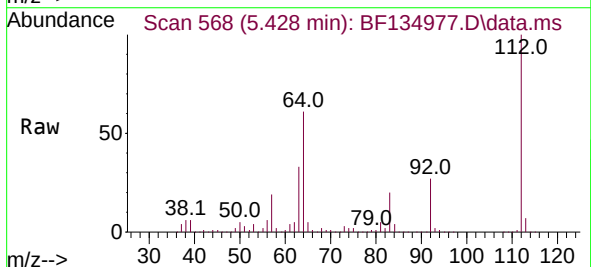
Instrument :
BNA_F
ClientSampleId :
VNJ-208

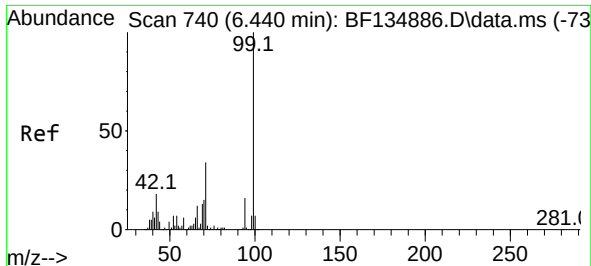
Tgt Ion:152 Resp: 101020
Ion Ratio Lower Upper
152 100
150 159.9 126.1 189.1
115 62.9 51.1 76.7



#5
2-Fluorophenol
Concen: 142.136 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.006 min
Lab File: BF134977.D
Acq: 28 Aug 2023 19:46

Tgt Ion:112 Resp: 900422
Ion Ratio Lower Upper
112 100
64 61.3 48.6 73.0
63 32.5 25.7 38.5

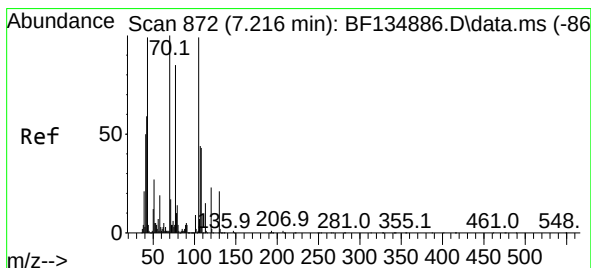
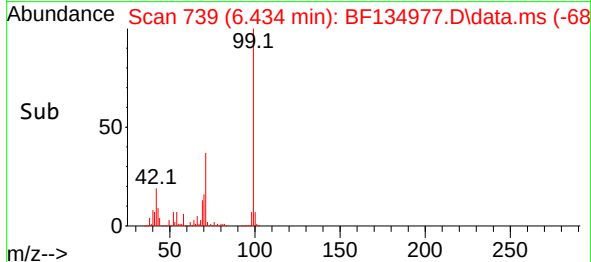
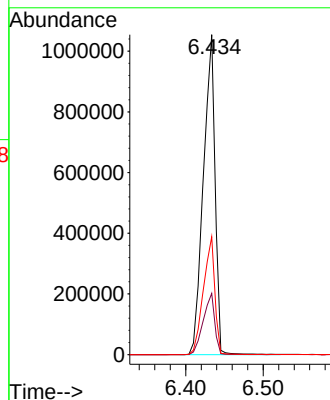
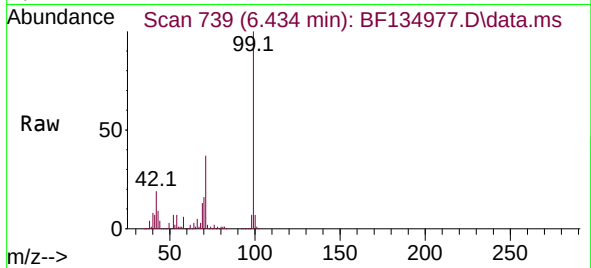




#7
Phenol-d6
Concen: 136.797 ng
RT: 6.434 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF134977.D
Acq: 28 Aug 2023 19:46

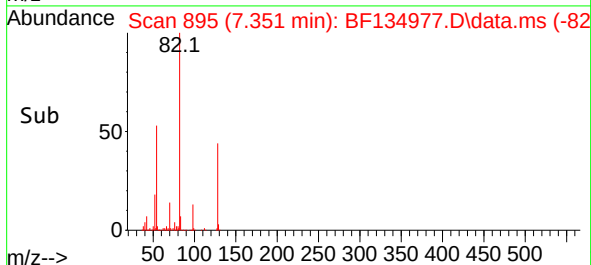
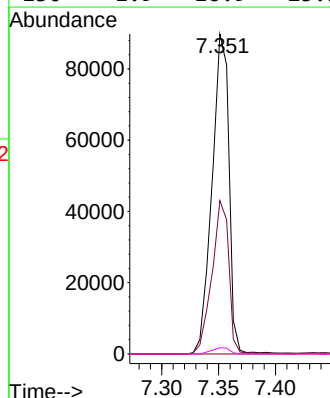
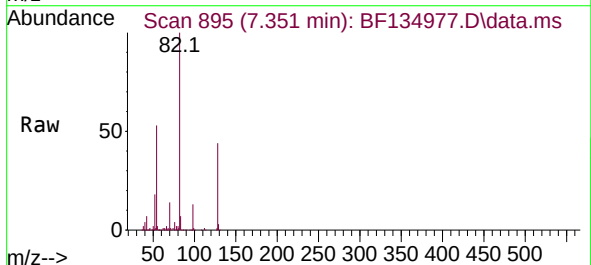
Instrument :
BNA_F
ClientSampleId :
VNJ-208

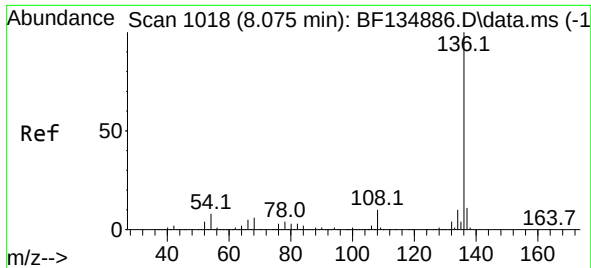
Tgt Ion: 99 Resp: 1107350
Ion Ratio Lower Upper
99 100
42 19.2 14.6 22.0
71 36.8 27.6 41.4



#19
n-Nitroso-di-n-propylamine
Concen: 19.733 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.135 min
Lab File: BF134977.D
Acq: 28 Aug 2023 19:46

Tgt Ion: 70 Resp: 93293
Ion Ratio Lower Upper
70 100
42 47.9 46.9 70.3
101 0.0 7.5 11.3#
130 1.9 16.9 25.3#



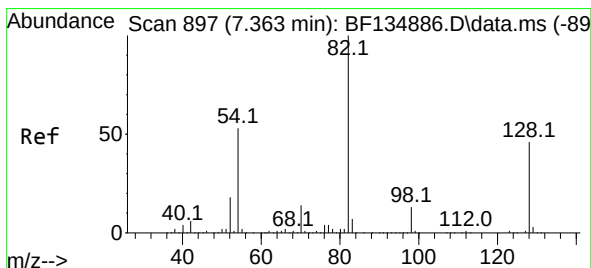
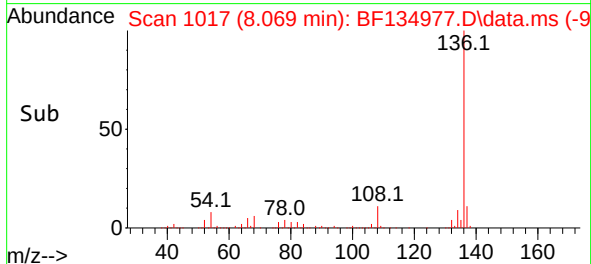
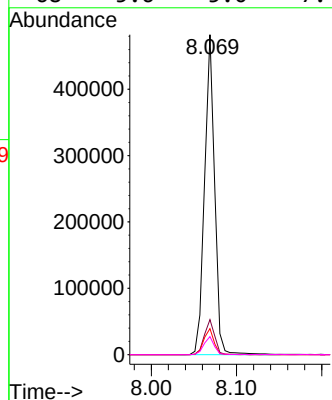
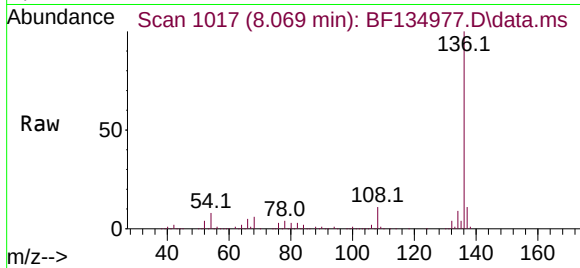


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF134977.D
Acq: 28 Aug 2023 19:46

Instrument :
BNA_F
ClientSampleId :
VNJ-208

Tgt Ion:136 Resp: 395610

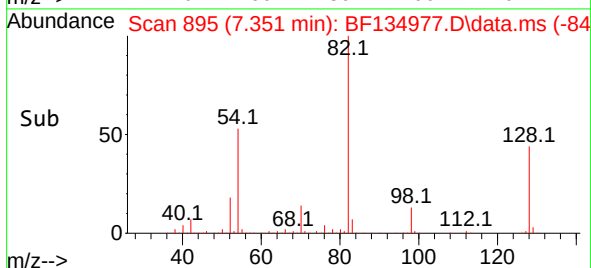
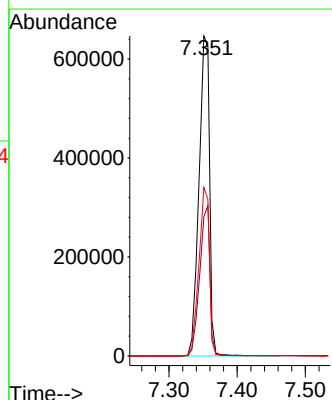
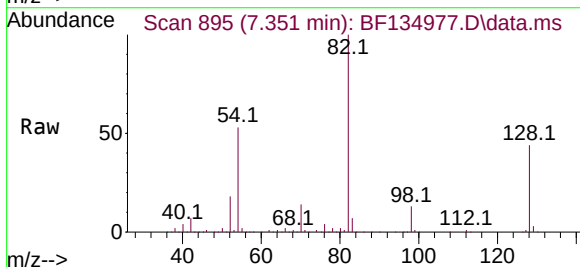
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	8.1	6.6	9.8
68	5.6	5.0	7.4

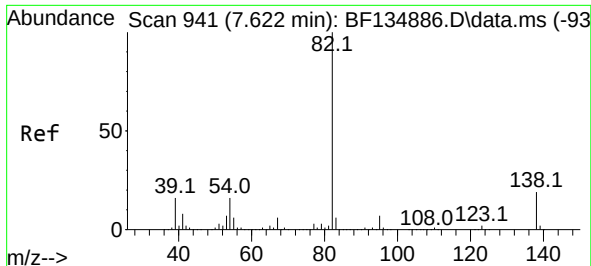


#23
Nitrobenzene-d5
Concen: 97.408 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.012 min
Lab File: BF134977.D
Acq: 28 Aug 2023 19:46

Tgt Ion: 82 Resp: 699327

Ion	Ratio	Lower	Upper
82	100		
128	43.5	36.6	54.8
54	52.6	42.6	63.8

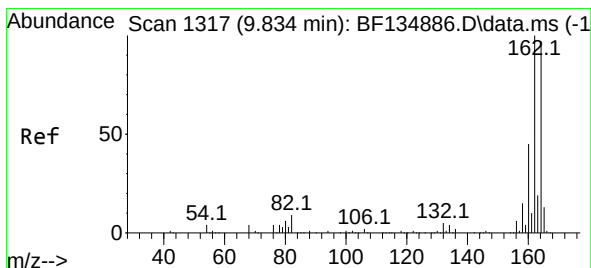
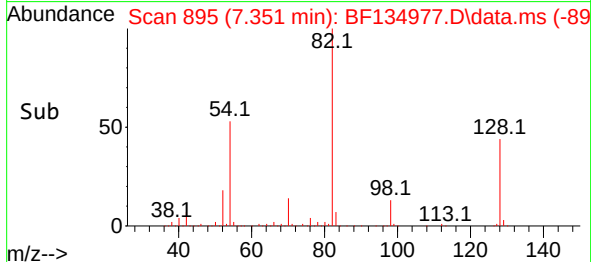
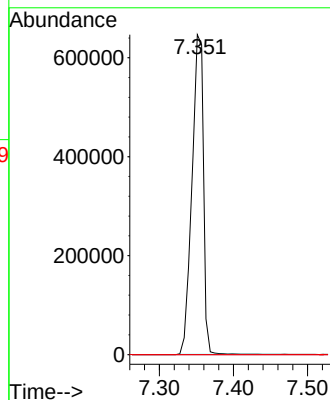
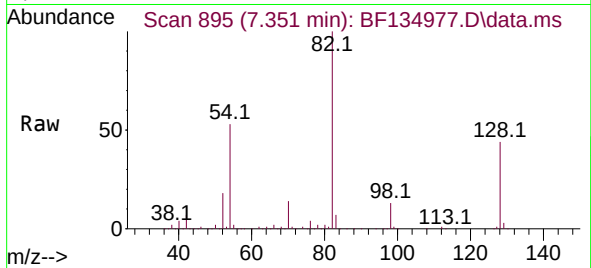




#25
Isophorone
Concen: 51.816 ng
RT: 7.351 min Scan# 89
Delta R.T. -0.271 min
Lab File: BF134977.D
Acq: 28 Aug 2023 19:46

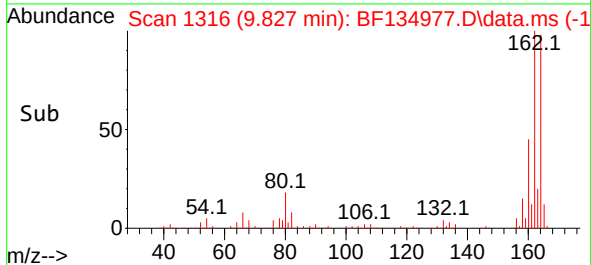
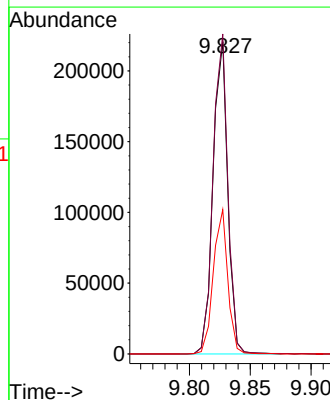
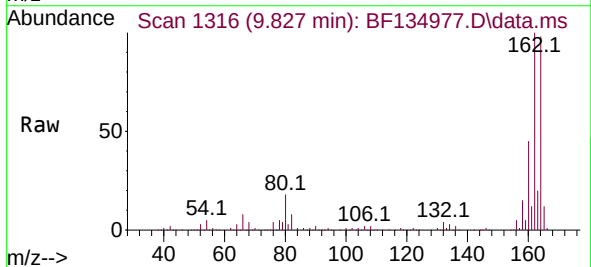
Instrument :
BNA_F
ClientSampleId :
VNJ-208

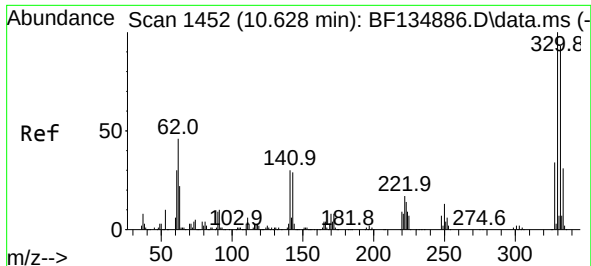
Tgt Ion: 82 Resp: 694642
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.827 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF134977.D
Acq: 28 Aug 2023 19:46

Tgt Ion:164 Resp: 185240
Ion Ratio Lower Upper
164 100
162 102.5 82.6 123.8
160 46.2 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 121.123 ng

RT: 10.621 min Scan# 1452

Delta R.T. -0.006 min

Lab File: BF134977.D

Acq: 28 Aug 2023 19:46

Instrument :

BNA_F

ClientSampleId :

VNJ-208

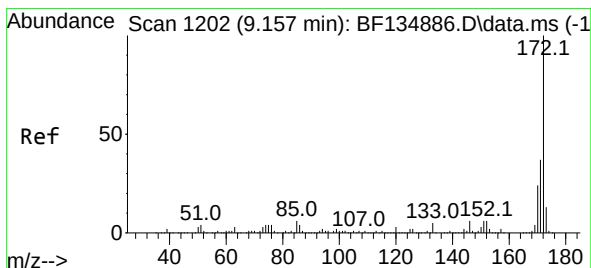
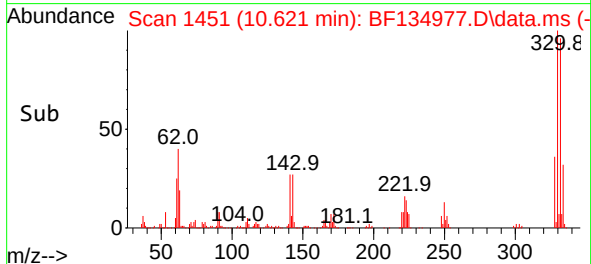
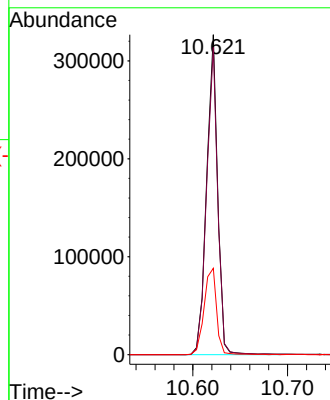
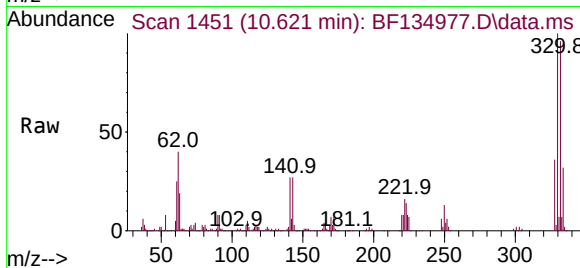
Tgt Ion:330 Resp: 264249

Ion Ratio Lower Upper

330 100

332 96.9 76.3 114.5

141 30.6 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 97.283 ng

RT: 9.151 min Scan# 1201

Delta R.T. -0.006 min

Lab File: BF134977.D

Acq: 28 Aug 2023 19:46

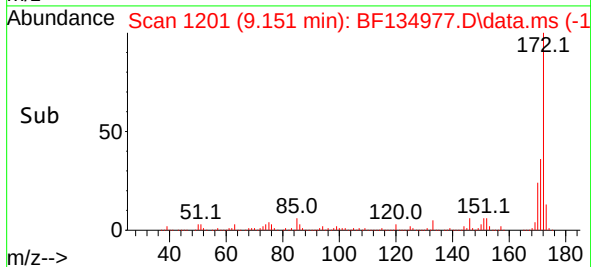
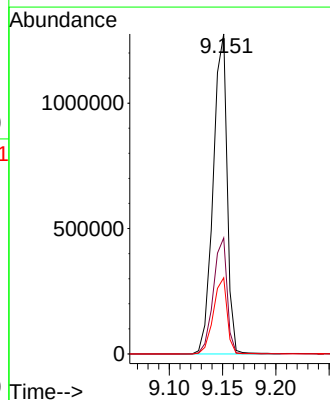
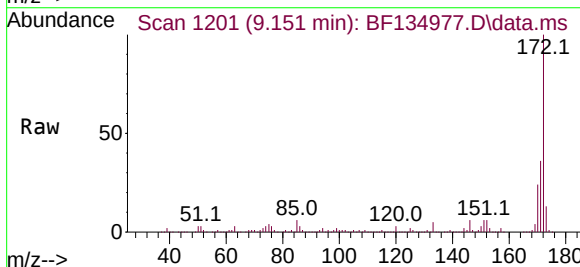
Tgt Ion:172 Resp: 1165715

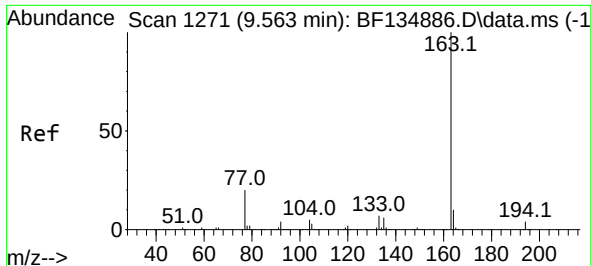
Ion Ratio Lower Upper

172 100

171 36.2 29.4 44.0

170 23.8 19.6 29.4

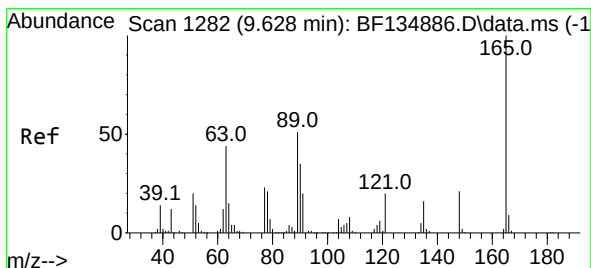
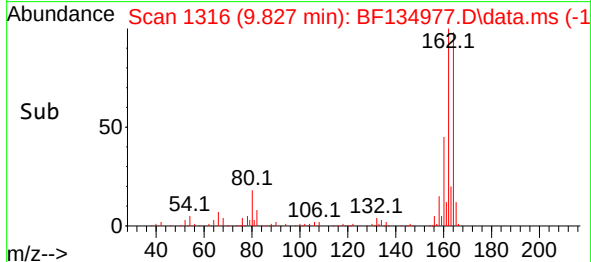
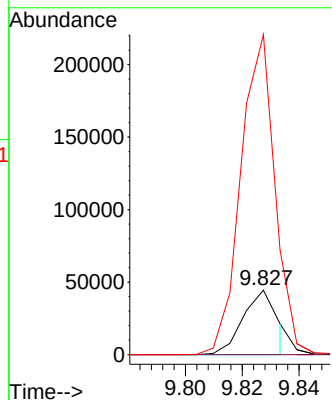
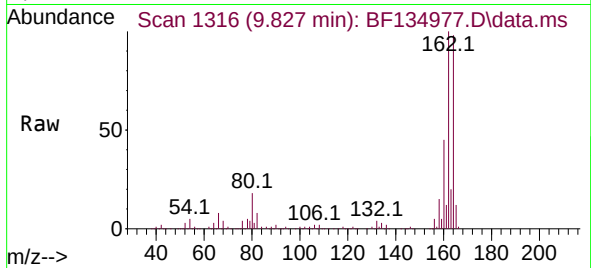




#50
Dimethylphthalate
Concen: 2.804 ng
RT: 9.827 min Scan# 1316
Delta R.T. 0.264 min
Lab File: BF134977.D
Acq: 28 Aug 2023 19:46

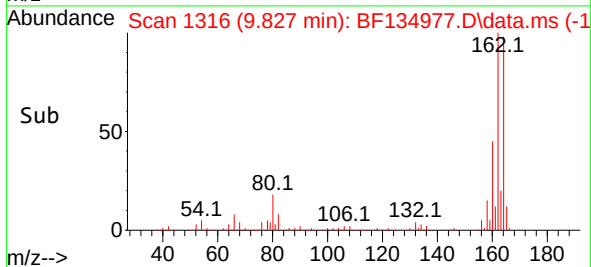
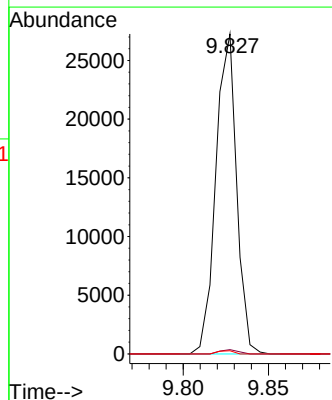
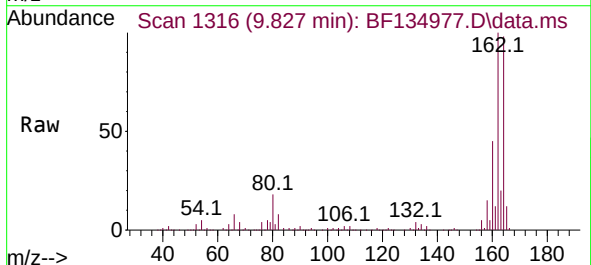
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VNJ-208

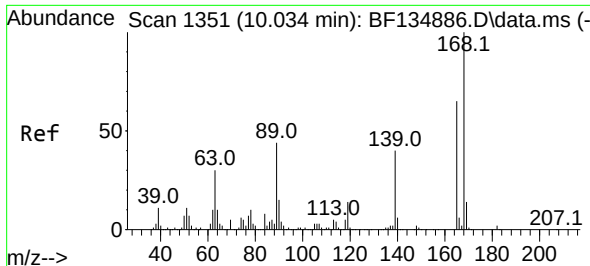
Tgt Ion:163 Resp: 36972
Ion Ratio Lower Upper
163 100
194 0.0 3.2 4.8#
164 497.2 8.2 12.4#



#51
2,6-Dinitrotoluene
Concen: 7.918 ng
RT: 9.827 min Scan# 1316
Delta R.T. 0.199 min
Lab File: BF134977.D
Acq: 28 Aug 2023 19:46

Tgt Ion:165 Resp: 23028
Ion Ratio Lower Upper
165 100
63 1.3 41.4 62.2#
89 1.0 40.9 61.3#

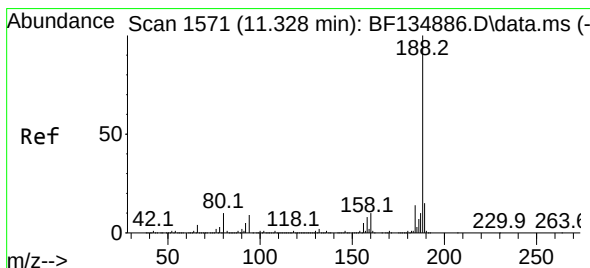
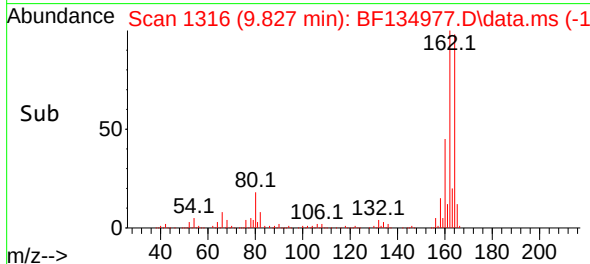
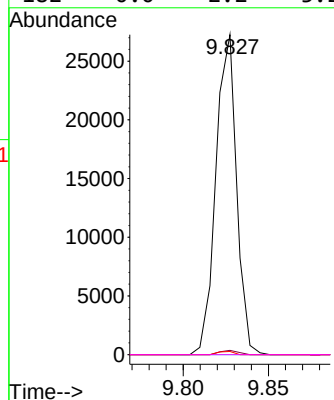
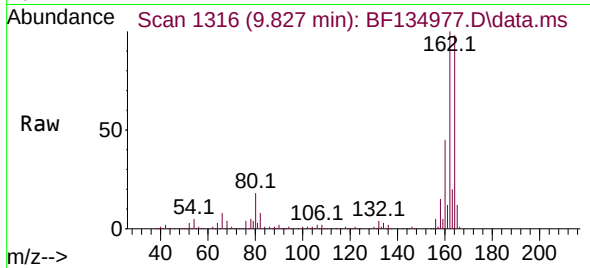




#57
2,4-Dinitrotoluene
Concen: 6.403 ng
RT: 9.827 min Scan# 1351
Delta R.T. -0.207 min
Lab File: BF134977.D
Acq: 28 Aug 2023 19:46

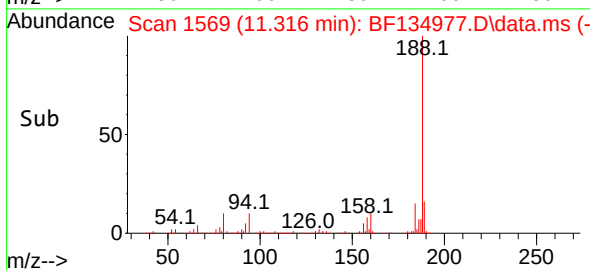
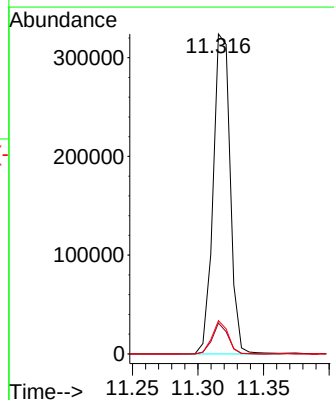
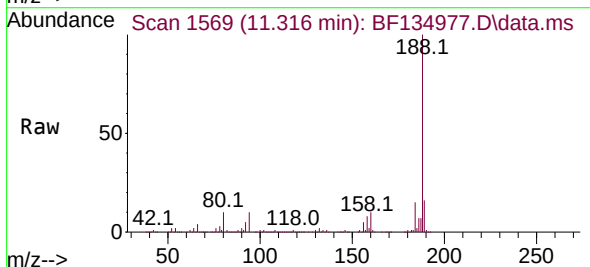
Instrument :
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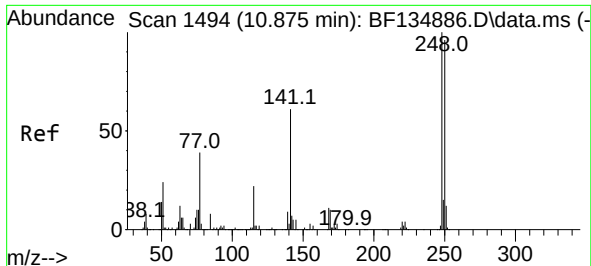
Tgt Ion:165 Resp: 23028
Ion Ratio Lower Upper
165 100
63 1.3 37.7 56.5#
89 1.0 54.2 81.4#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF134977.D
Acq: 28 Aug 2023 19:46

Tgt Ion:188 Resp: 293223
Ion Ratio Lower Upper
188 100
94 9.6 7.5 11.3
80 10.4 7.8 11.6

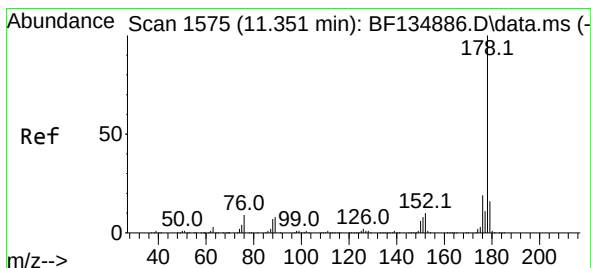
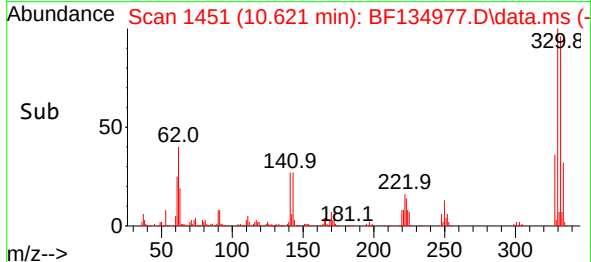
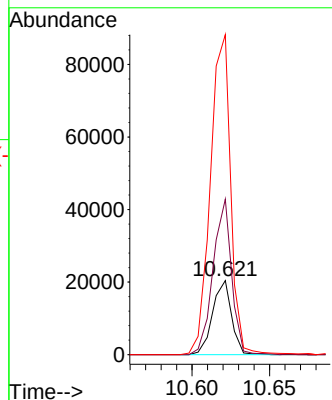
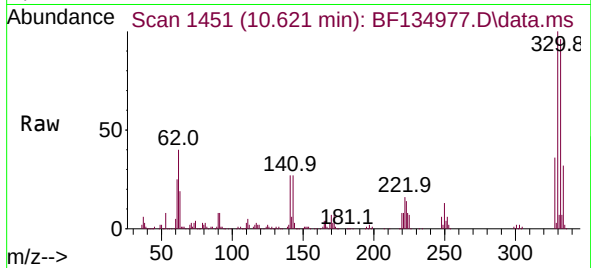




#67
4-Bromophenyl-phenylether
Concen: 5.159 ng
RT: 10.621 min Scan# 14
Delta R.T. -0.254 min
Lab File: BF134977.D
Acq: 28 Aug 2023 19:46

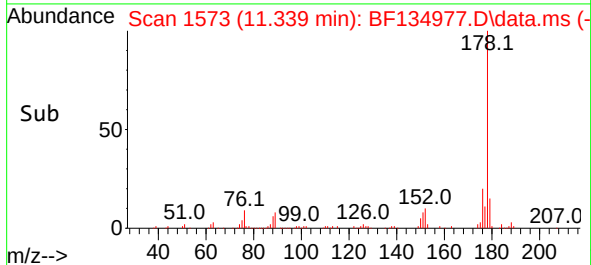
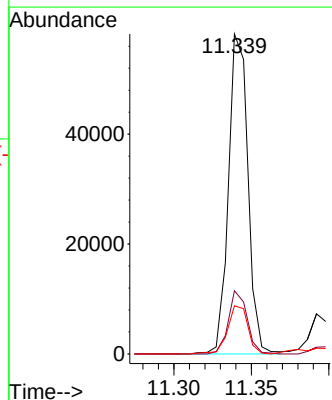
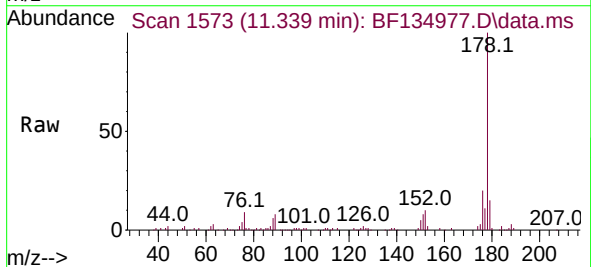
Instrument :
BNA_F
ClientSampleId :
VNJ-208

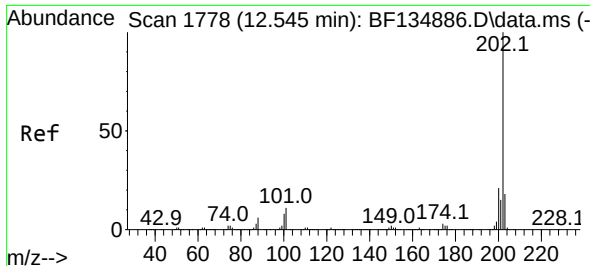
Tgt Ion:248 Resp: 17451
Ion Ratio Lower Upper
248 100
250 210.0 77.1 115.7#
141 432.3 49.0 73.4#



#71
Phenanthrene
Concen: 3.312 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF134977.D
Acq: 28 Aug 2023 19:46

Tgt Ion:178 Resp: 50890
Ion Ratio Lower Upper
178 100
176 19.7 15.5 23.3
179 15.0 12.6 19.0

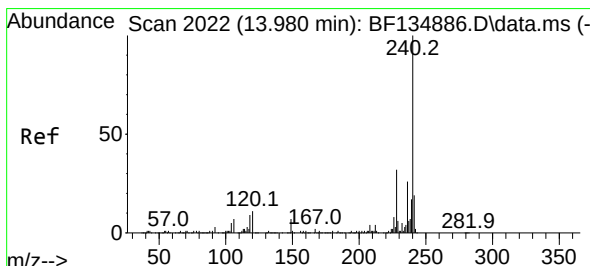
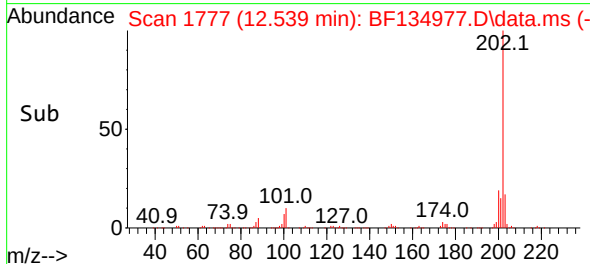
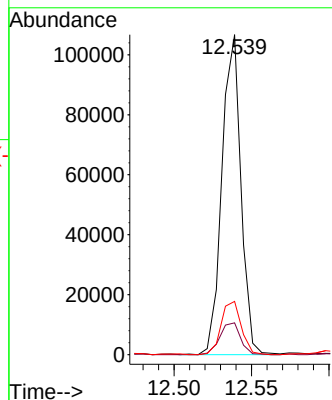
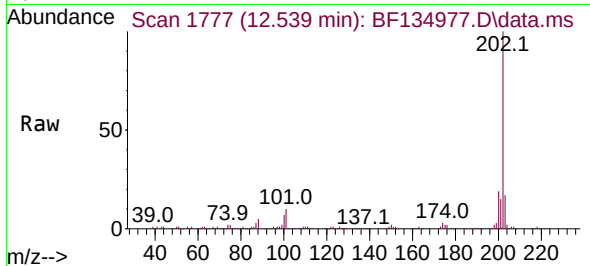




#75
Fluoranthene
Concen: 6.283 ng
RT: 12.539 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134977.D
Acq: 28 Aug 2023 19:46

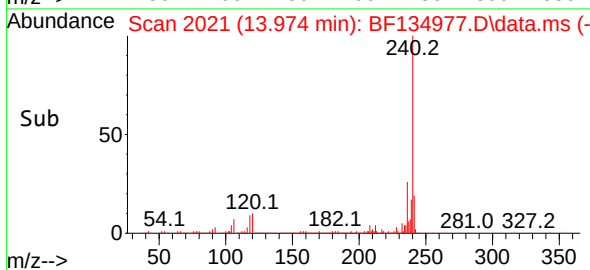
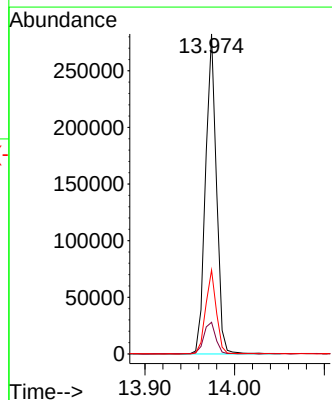
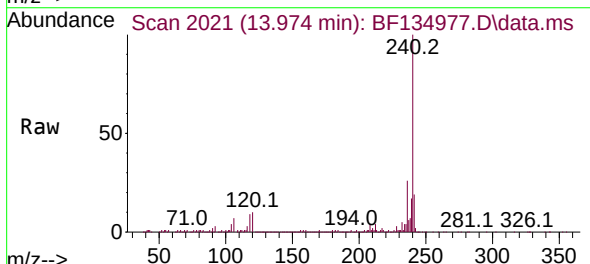
Instrument :
BNA_F
ClientSampleId :
VNJ-208

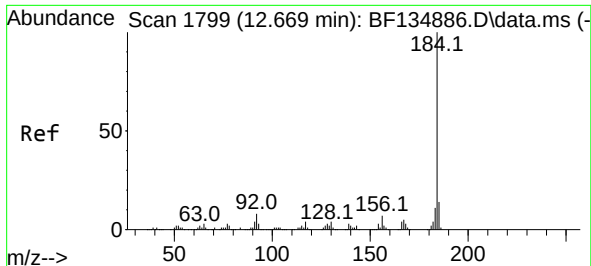
Tgt Ion:202 Resp: 91473
Ion Ratio Lower Upper
202 100
101 9.9 0.0 30.5
203 16.6 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF134977.D
Acq: 28 Aug 2023 19:46

Tgt Ion:240 Resp: 238389
Ion Ratio Lower Upper
240 100
120 9.9 8.6 12.8
236 26.2 20.6 31.0

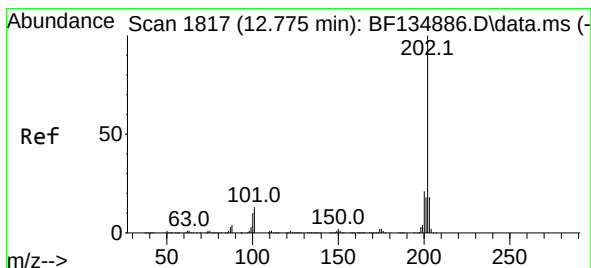
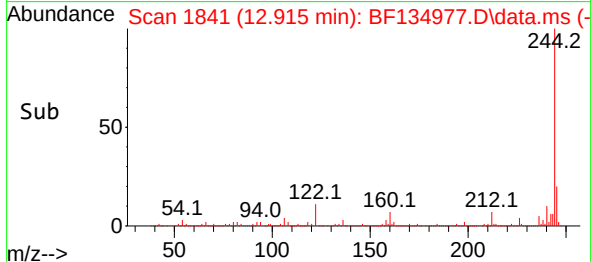
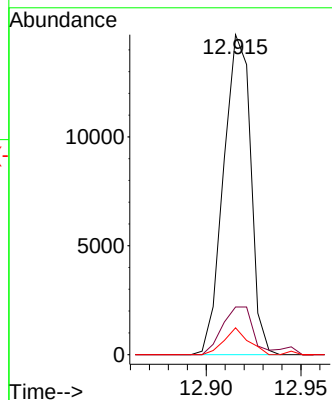
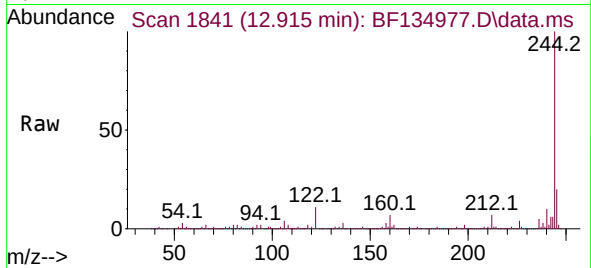




#77
Benzidine
Concen: 3.788 ng
RT: 12.915 min Scan# 1816
Delta R.T. 0.246 min
Lab File: BF134977.D
Acq: 28 Aug 2023 19:46

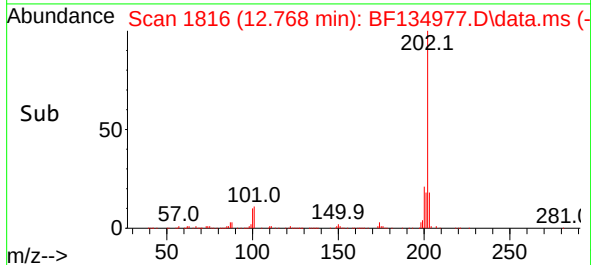
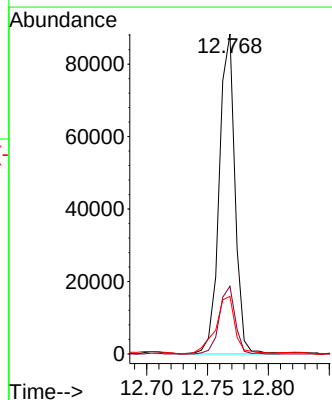
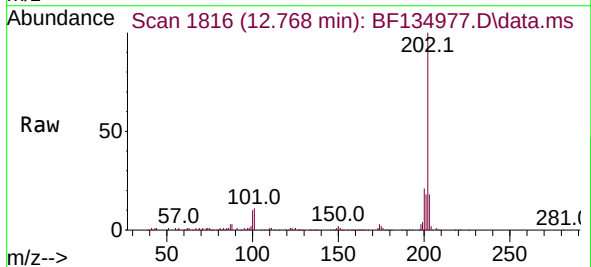
Instrument :
BNA_F
ClientSampleId :
VNJ-208

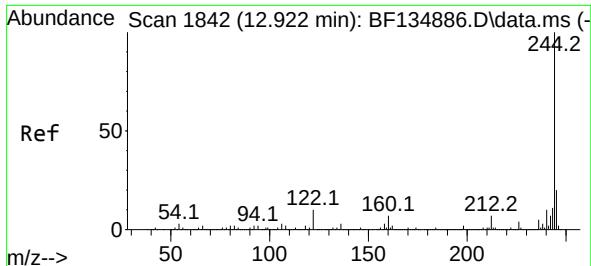
Tgt Ion:184 Resp: 14653
Ion Ratio Lower Upper
184 100
185 14.9 11.4 17.0
183 8.4 9.0 13.4#



#78
Pyrene
Concen: 3.151 ng
RT: 12.768 min Scan# 1816
Delta R.T. -0.006 min
Lab File: BF134977.D
Acq: 28 Aug 2023 19:46

Tgt Ion:202 Resp: 79643
Ion Ratio Lower Upper
202 100
200 21.2 17.1 25.7
203 18.0 14.2 21.2

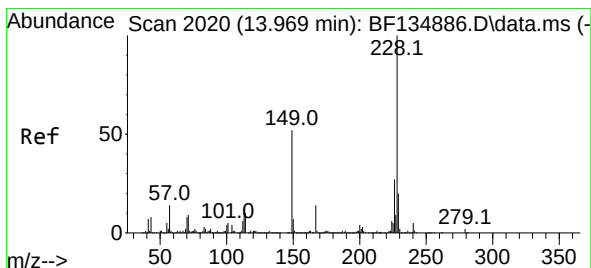
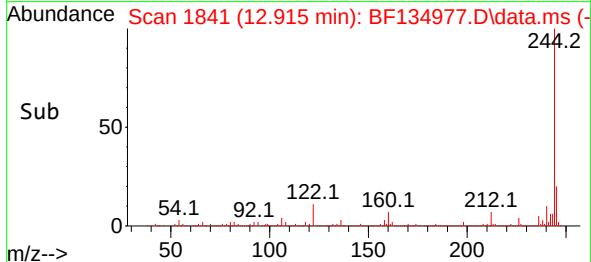
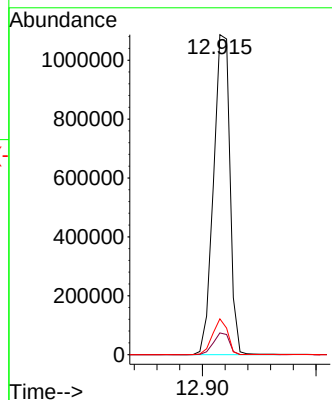
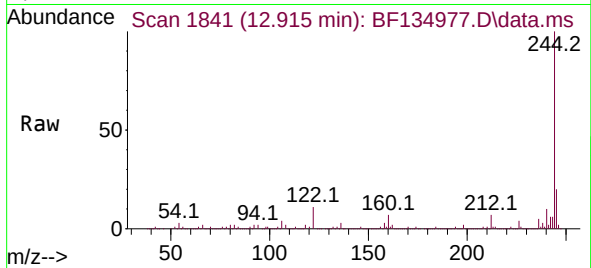




#79
 Terphenyl-d14
 Concen: 62.885 ng
 RT: 12.915 min Scan# 1841
 Delta R.T. -0.007 min
 Lab File: BF134977.D
 Acq: 28 Aug 2023 19:46

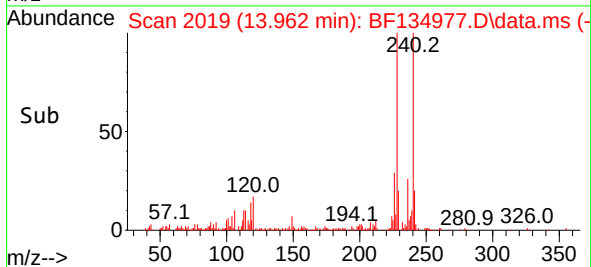
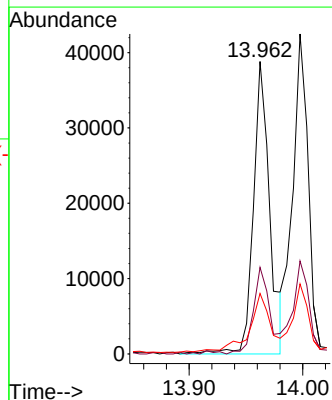
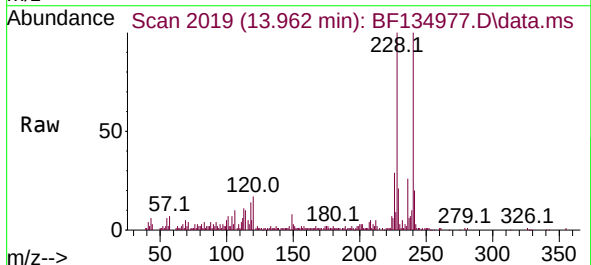
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-208

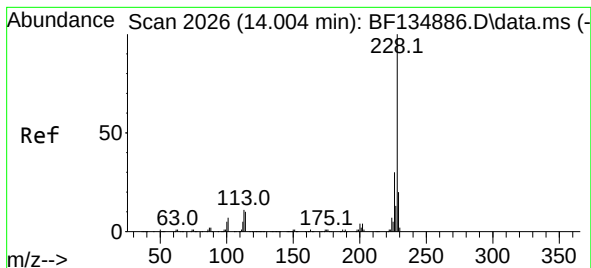
Tgt Ion:244 Resp: 1089939
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 11.2 8.2 12.4



#81
 Benzo(a)anthracene
 Concen: 2.377 ng
 RT: 13.962 min Scan# 2019
 Delta R.T. -0.006 min
 Lab File: BF134977.D
 Acq: 28 Aug 2023 19:46

Tgt Ion:228 Resp: 38654
 Ion Ratio Lower Upper
 228 100
 226 29.6 21.8 32.6
 229 20.7 15.6 23.4





#83

Chrysene

Concen: 2.530 ng

RT: 13.998 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF134977.D

Acq: 28 Aug 2023 19:46

Instrument :

BNA_F

ClientSampleId :

VNJ-208

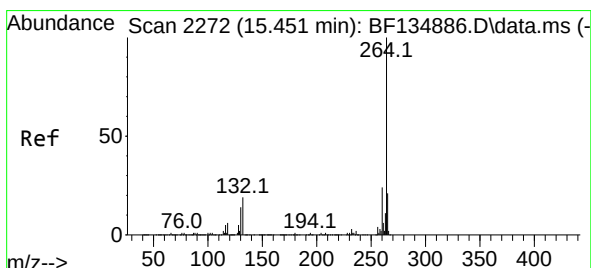
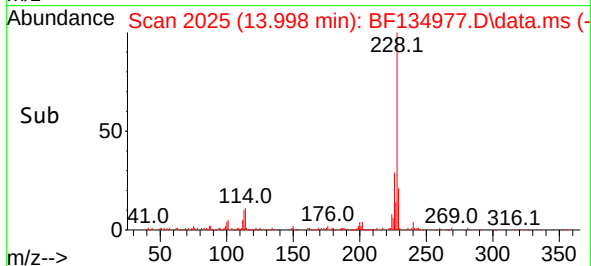
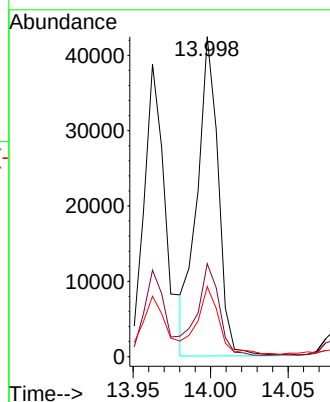
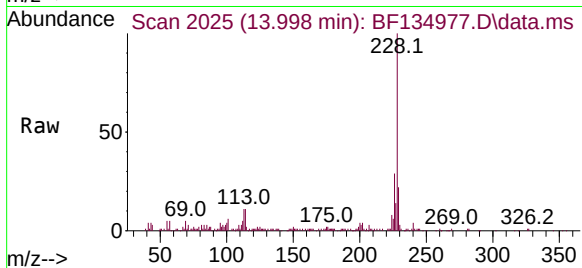
Tgt Ion:228 Resp: 40599

Ion Ratio Lower Upper

228 100

226 29.0 24.2 36.2

229 21.9 16.0 24.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 2272

Delta R.T. -0.000 min

Lab File: BF134977.D

Acq: 28 Aug 2023 19:46

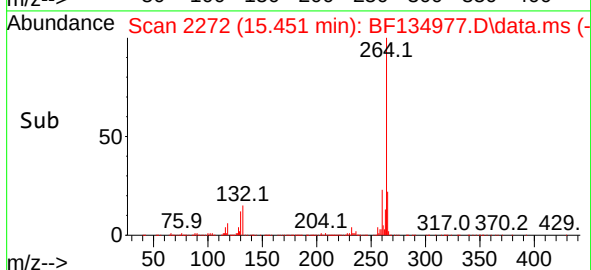
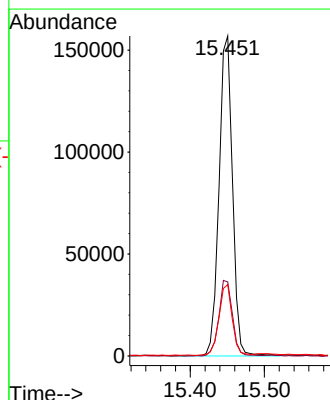
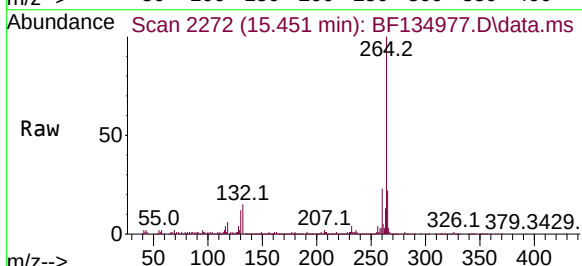
Tgt Ion:264 Resp: 197492

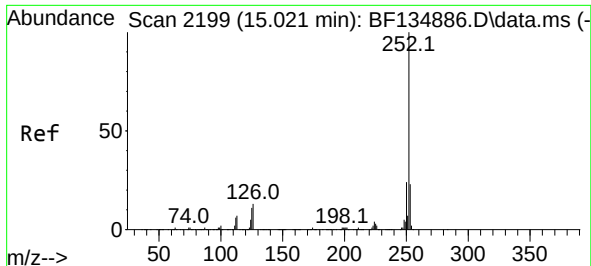
Ion Ratio Lower Upper

264 100

260 23.1 19.0 28.6

265 22.3 17.1 25.7

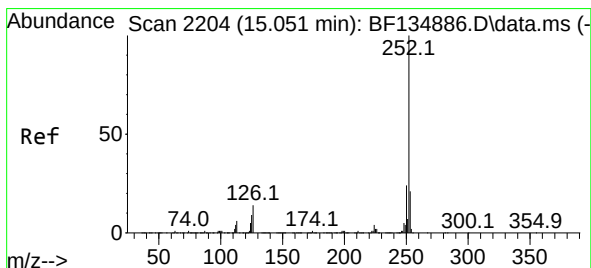
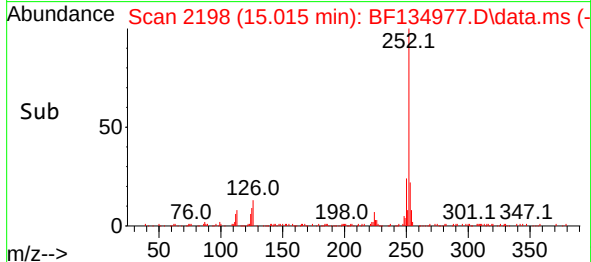
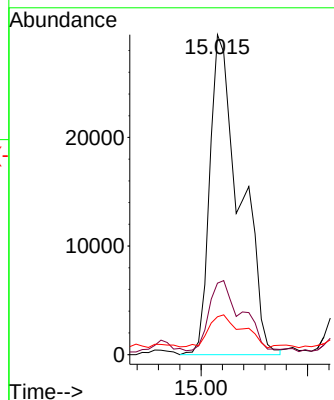
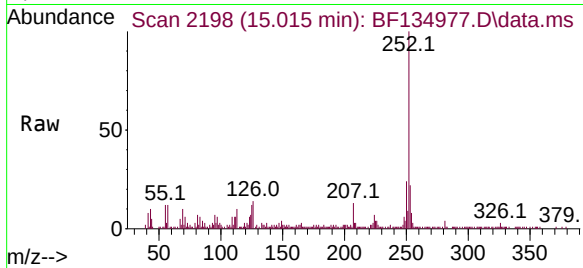




#88
Benzo(b)fluoranthene
Concen: 5.209 ng
RT: 15.015 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF134977.D
Acq: 28 Aug 2023 19:46

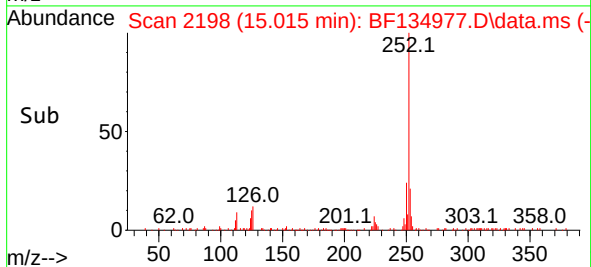
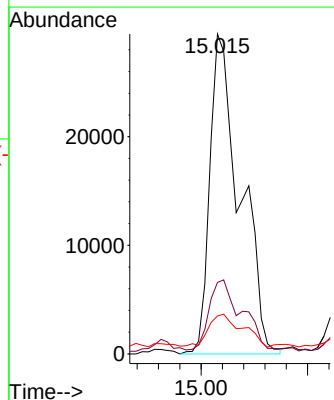
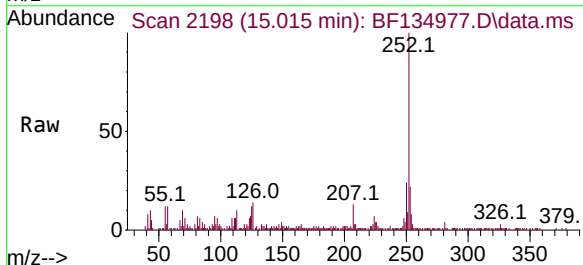
Instrument :
BNA_F
ClientSampleId :
VNJ-208

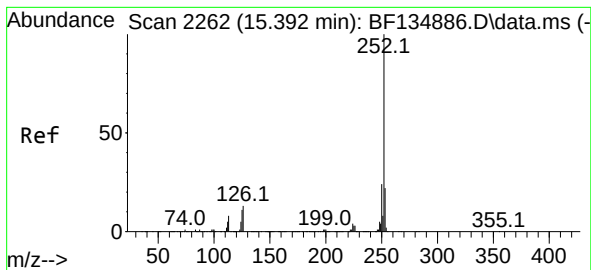
Tgt Ion:252 Resp: 58036
Ion Ratio Lower Upper
252 100
253 22.3 18.1 27.1
125 11.9 8.4 12.6



#89
Benzo(k)fluoranthene
Concen: 5.304 ng
RT: 15.015 min Scan# 2198
Delta R.T. -0.036 min
Lab File: BF134977.D
Acq: 28 Aug 2023 19:46

Tgt Ion:252 Resp: 58036
Ion Ratio Lower Upper
252 100
253 22.3 17.1 25.7
125 11.9 8.0 12.0





#90

Benzo(a)pyrene

Concen: 2.275 ng

RT: 15.380 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF134977.D

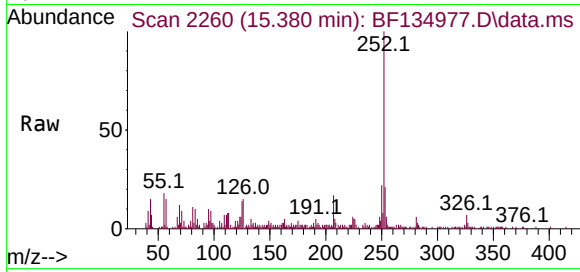
Acq: 28 Aug 2023 19:46

Instrument :

BNA_F

ClientSampleId :

VNJ-208



Tgt Ion:252 Resp: 25302

Ion Ratio Lower Upper

252 100

253 21.5 17.6 26.4

125 14.1 8.4 12.6#

