

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042623\
 Data File : BF133083.D
 Acq On : 27 Apr 2023 00:35
 Operator : CG\JU
 Sample : 02490-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-208

Quant Time: Apr 27 04:03:13 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 27 01:56:03 2023
 Response via : Initial Calibration

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

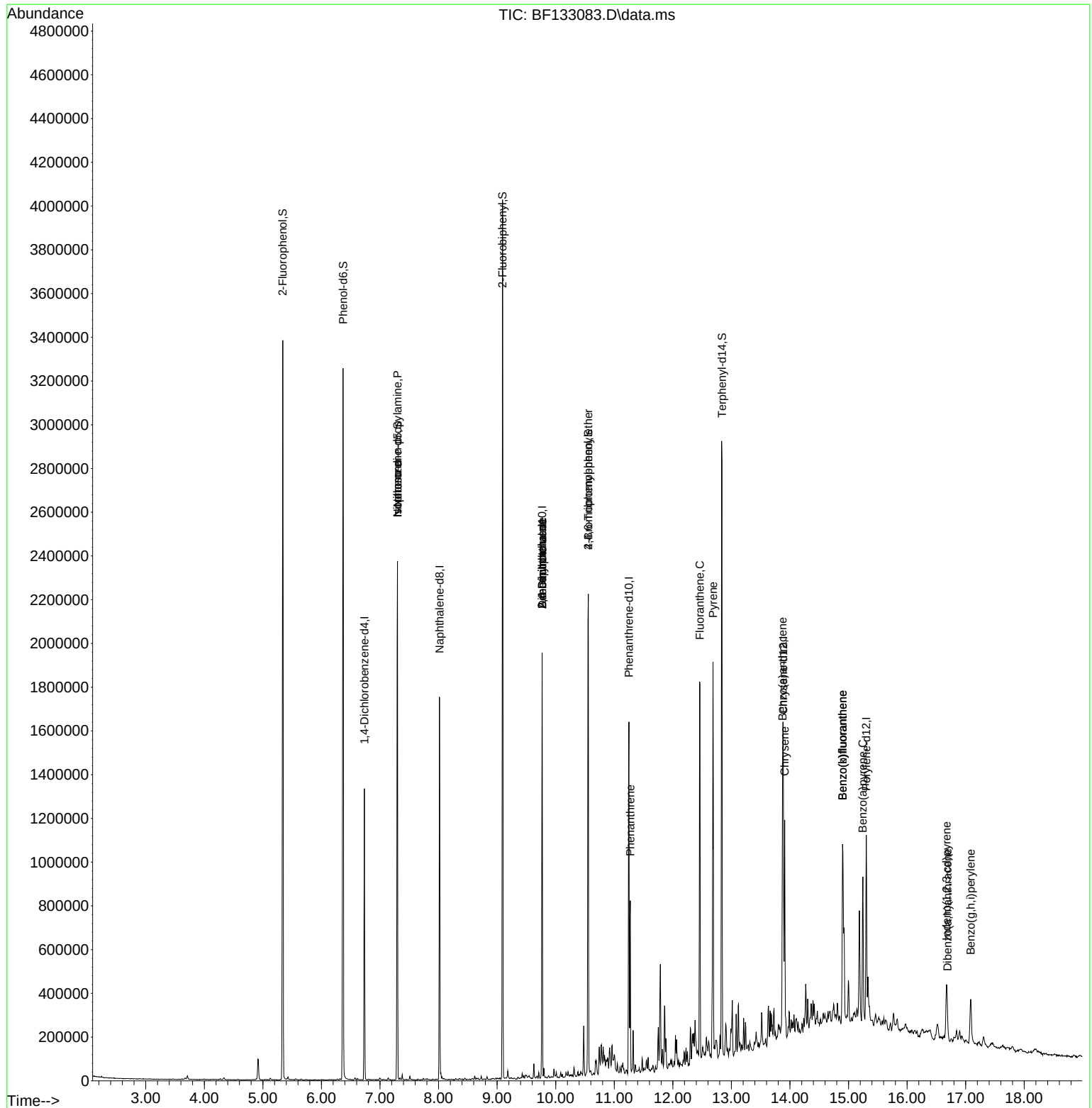
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	167753	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	677341	20.000	ng	0.00
39) Acenaphthene-d10	9.769	164	340074	20.000	ng	0.00
64) Phenanthrene-d10	11.251	188	565374	20.000	ng	0.00
76) Chrysene-d12	13.886	240	337229	20.000	ng	0.00
86) Perylene-d12	15.304	264	342948	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	949153	85.471	ng	0.00
7) Phenol-d6	6.369	99	1161343	84.255	ng	-0.01
23) Nitrobenzene-d5	7.298	82	676264	53.891	ng	0.00
42) 2,4,6-Tribromophenol	10.557	330	271583	79.408	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	1135185	55.846	ng	0.00
79) Terphenyl-d14	12.839	244	1001205	51.204	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.275	77	757	Below Cal	#	75
19) n-Nitroso-di-n-propyla...	7.298	70	89012	10.373	ng	# 75
25) Isophorone	7.298	82	676246	28.383	ng	# 63
50) Dimethylphthalate	9.769	163	68472	2.888	ng	# 1
51) 2,6-Dinitrotoluene	9.769	165	45076	8.446	ng	# 25
57) 2,4-Dinitrotoluene	9.769	165	45076	6.623	ng	# 24
67) 4-Bromophenyl-phenylether	10.557	248	16810	2.741	ng	# 1
71) Phenanthrene	11.274	178	280518	9.231	ng	97
75) Fluoranthene	12.463	202	698255	22.896	ng	96
78) Pyrene	12.686	202	667517	23.091	ng	100
81) Benzo(a)anthracene	13.874	228	323162	13.935	ng	98
83) Chrysene	13.910	228	328024	14.148	ng	97
87) Indeno(1,2,3-cd)pyrene	16.674	276	169461	8.687	ng	94
88) Benzo(b)fluoranthene	14.898	252	571062	26.174	ng	# 96
89) Benzo(k)fluoranthene	14.898	252	571062	26.404	ng	# 97
90) Benzo(a)pyrene	15.245	252	294190	14.814	ng	98
91) Dibenzo(a,h)anthracene	16.692	278	45900	2.821	ng	98
92) Benzo(g,h,i)perylene	17.086	276	153479	9.555	ng	98

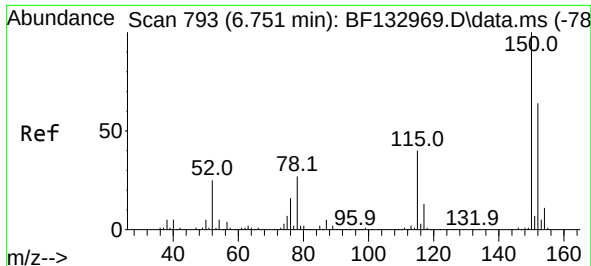
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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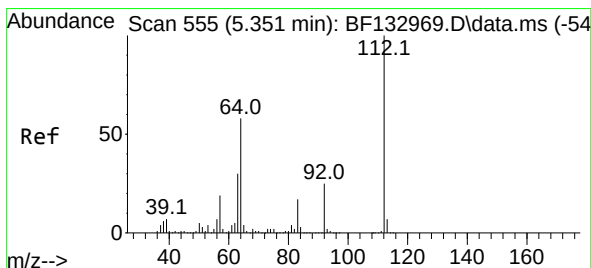
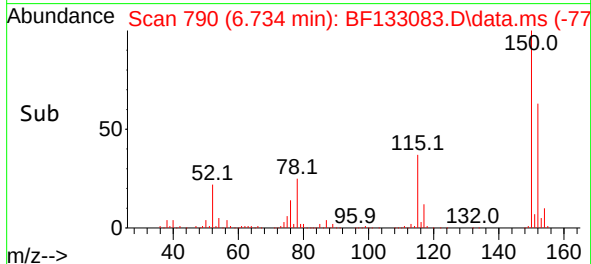
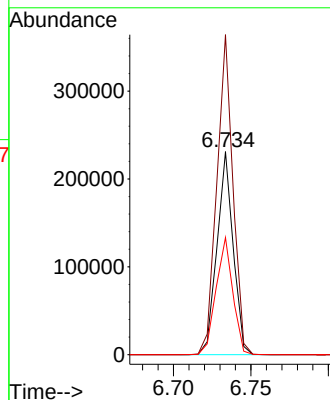
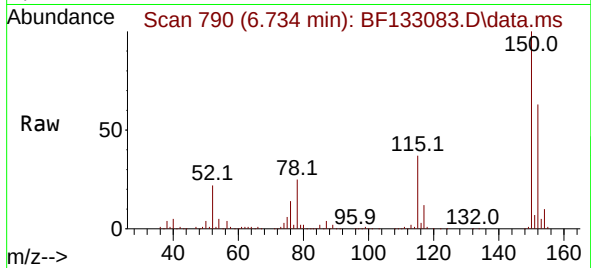




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.734 min Scan# 793
Delta R.T. -0.005 min
Lab File: BF133083.D
Acq: 27 Apr 2023 00:35

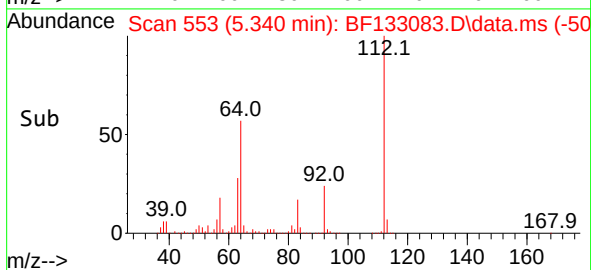
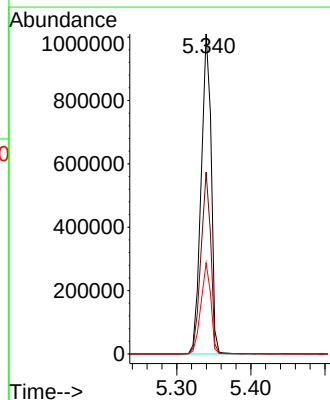
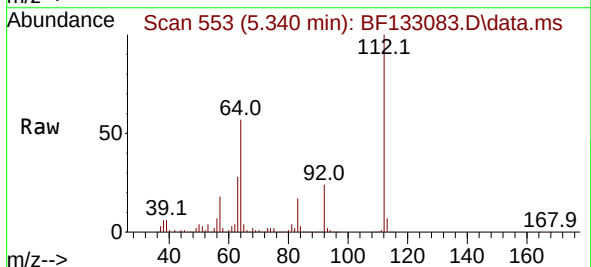
Instrument :
BNA_F
ClientSampleId :
VNJ-208

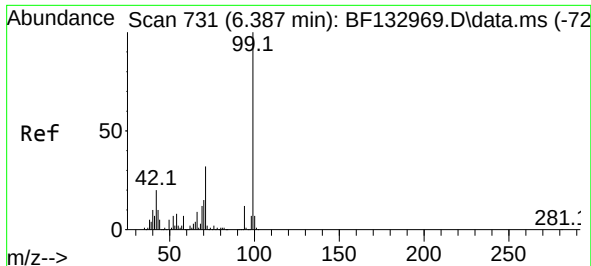
Tgt Ion:152 Resp: 167753
Ion Ratio Lower Upper
152 100
150 157.6 124.8 187.2
115 57.7 49.9 74.9



#5
2-Fluorophenol
Concen: 85.471 ng
RT: 5.340 min Scan# 553
Delta R.T. 0.000 min
Lab File: BF133083.D
Acq: 27 Apr 2023 00:35

Tgt Ion:112 Resp: 949153
Ion Ratio Lower Upper
112 100
64 56.8 46.8 70.2
63 28.5 23.8 35.8





#7

Phenol-d6

Concen: 84.255 ng

RT: 6.369 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF133083.D

Acq: 27 Apr 2023 00:35

Instrument :

BNA_F

ClientSampleId :

VNJ-208

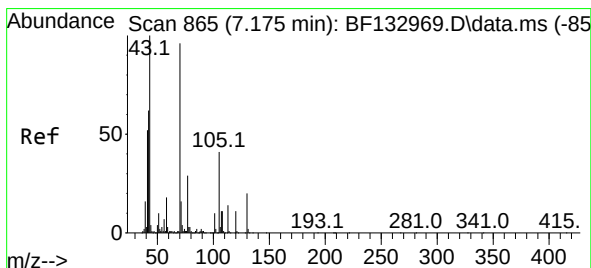
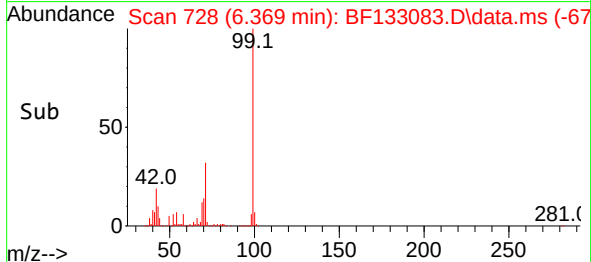
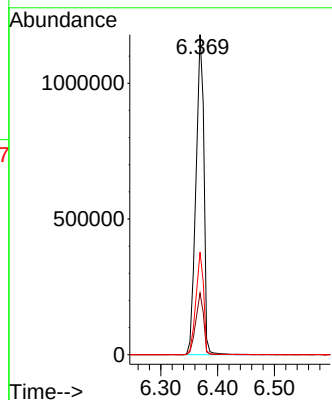
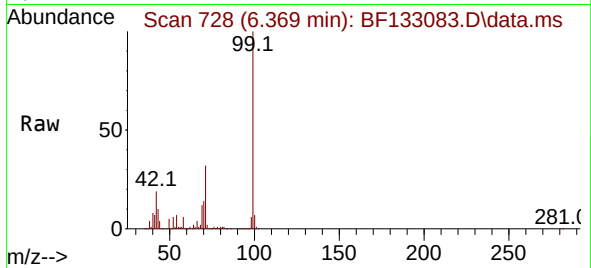
Tgt Ion: 99 Resp: 1161343

Ion Ratio Lower Upper

99 100

42 19.2 16.3 24.5

71 32.0 25.6 38.4



#19

n-Nitroso-di-n-propylamine

Concen: 10.373 ng

RT: 7.298 min Scan# 886

Delta R.T. 0.141 min

Lab File: BF133083.D

Acq: 27 Apr 2023 00:35

Tgt Ion: 70 Resp: 89012

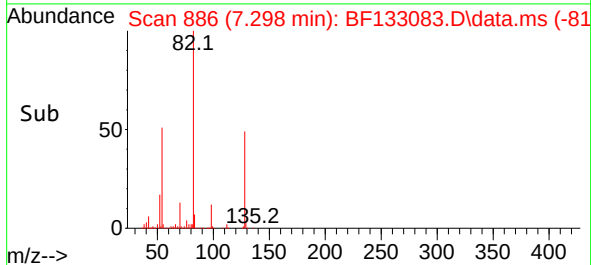
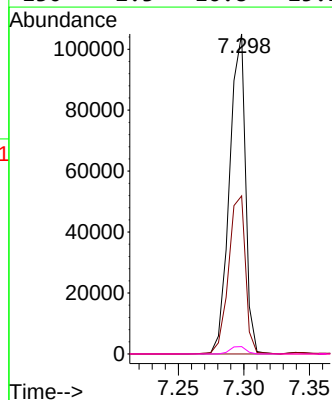
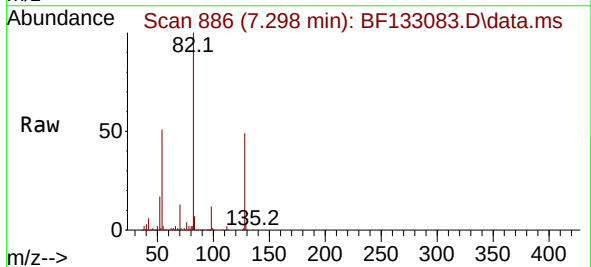
Ion Ratio Lower Upper

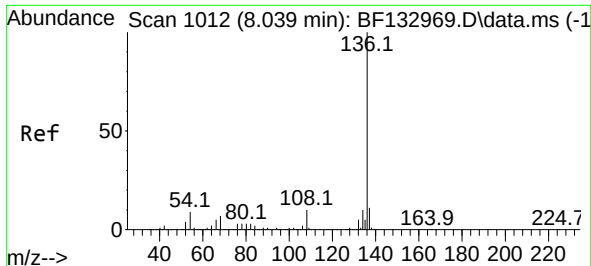
70 100

42 49.4 51.8 77.6#

101 0.0 8.0 12.0#

130 2.3 16.8 25.2#

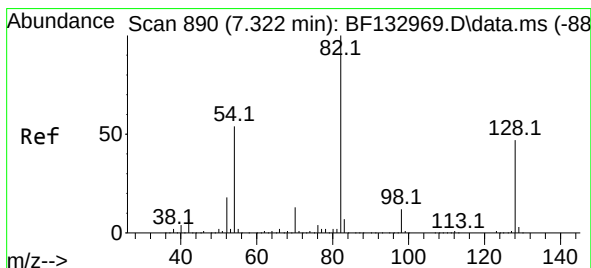
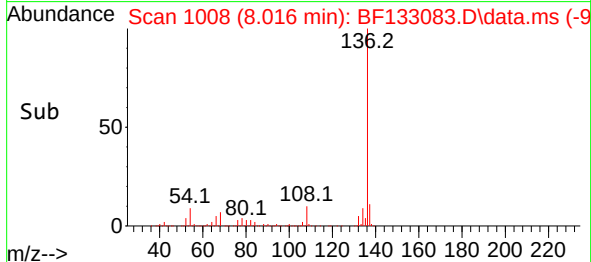
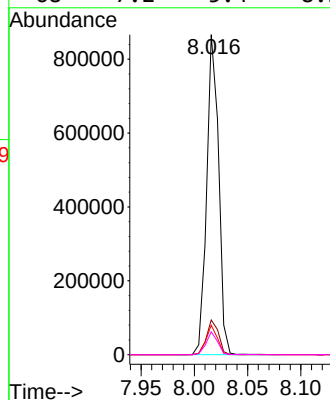
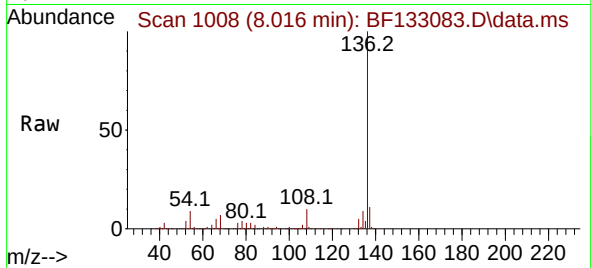




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF133083.D
Acq: 27 Apr 2023 00:35

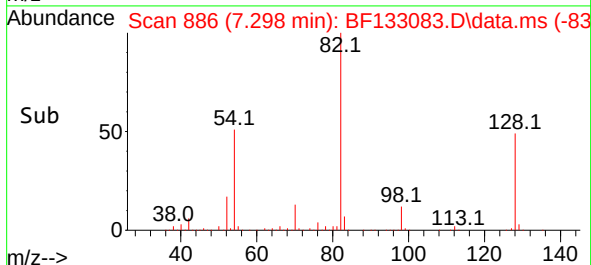
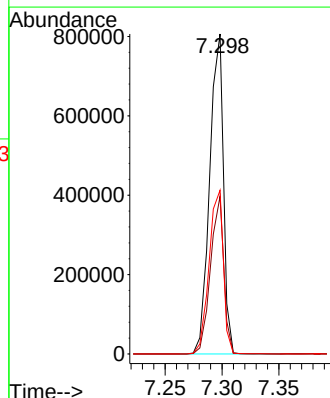
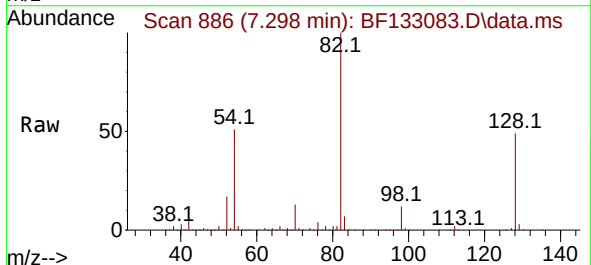
Instrument :
BNA_F
ClientSampleId :
VNJ-208

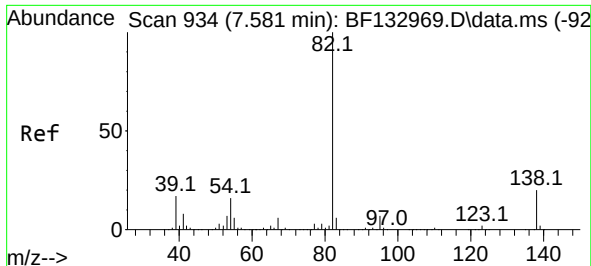
Tgt Ion:136 Resp: 677341
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 9.2 7.0 10.4
68 7.2 5.4 8.2



#23
Nitrobenzene-d5
Concen: 53.891 ng
RT: 7.298 min Scan# 886
Delta R.T. -0.006 min
Lab File: BF133083.D
Acq: 27 Apr 2023 00:35

Tgt Ion: 82 Resp: 676264
Ion Ratio Lower Upper
82 100
128 49.2 37.7 56.5
54 51.1 43.0 64.4

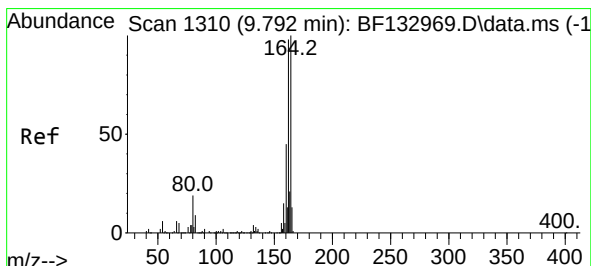
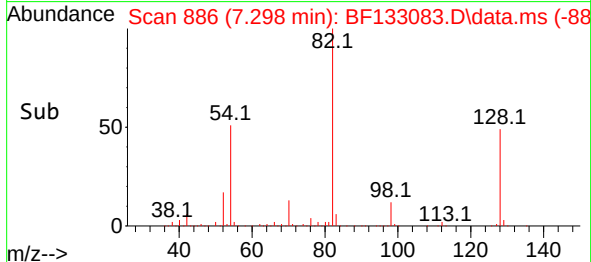
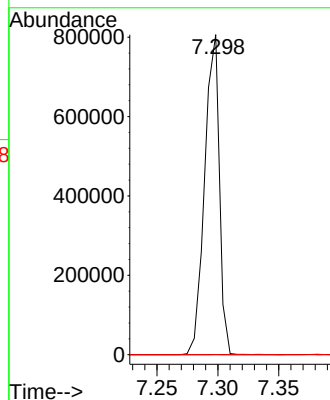
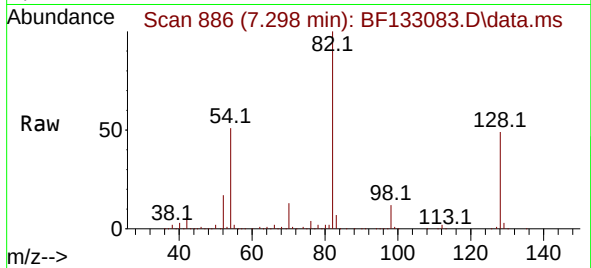




#25
Isophorone
Concen: 28.383 ng
RT: 7.298 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF133083.D
Acq: 27 Apr 2023 00:35

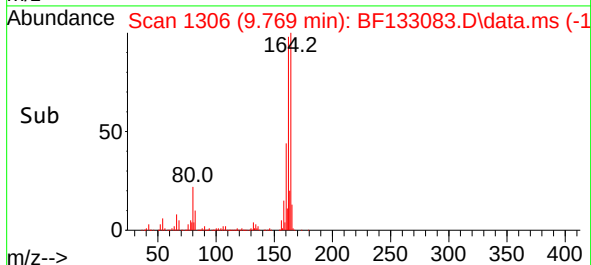
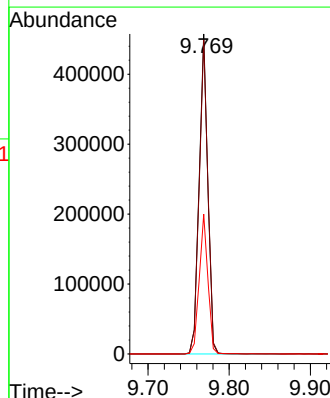
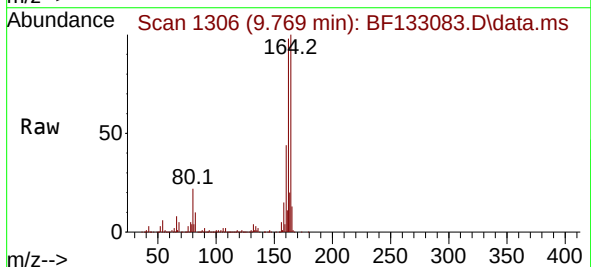
Instrument :
BNA_F
ClientSampleId :
VNJ-208

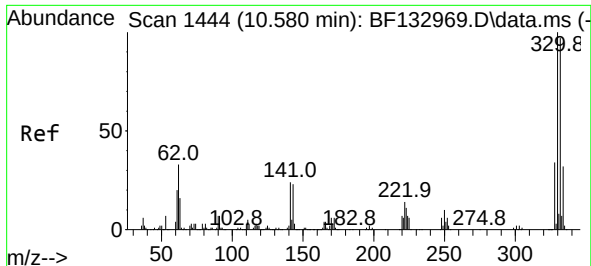
Tgt Ion: 82 Resp: 676246
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.769 min Scan# 1306
Delta R.T. -0.006 min
Lab File: BF133083.D
Acq: 27 Apr 2023 00:35

Tgt Ion:164 Resp: 340074
Ion Ratio Lower Upper
164 100
162 98.2 78.7 118.1
160 43.7 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 79.408 ng

RT: 10.557 min Scan# 1444

Delta R.T. -0.006 min

Lab File: BF133083.D

Acq: 27 Apr 2023 00:35

Instrument :

BNA_F

ClientSampleId :

VNJ-208

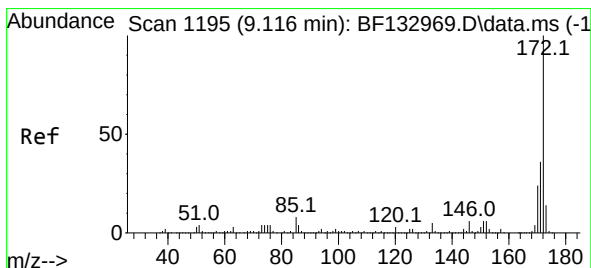
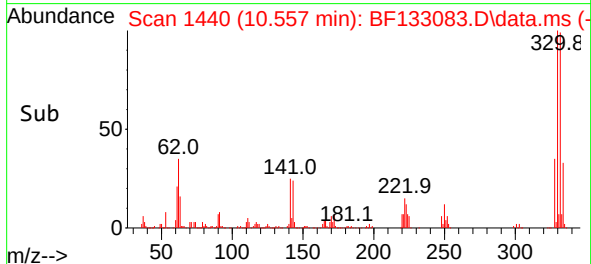
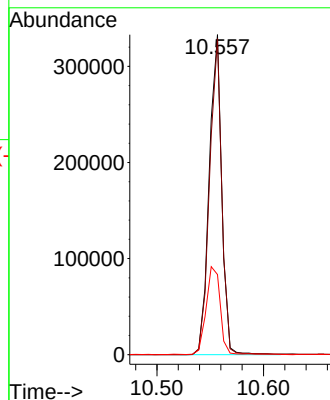
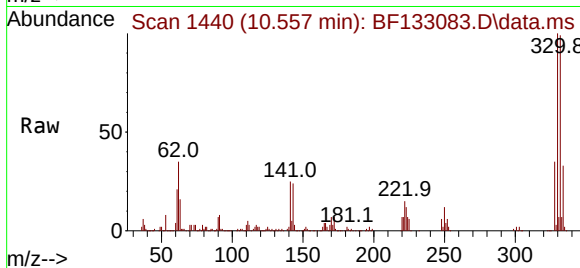
Tgt Ion:330 Resp: 271583

Ion Ratio Lower Upper

330 100

332 97.1 77.1 115.7

141 31.3 25.8 38.8



#45

2-Fluorobiphenyl

Concen: 55.846 ng

RT: 9.092 min Scan# 1191

Delta R.T. -0.006 min

Lab File: BF133083.D

Acq: 27 Apr 2023 00:35

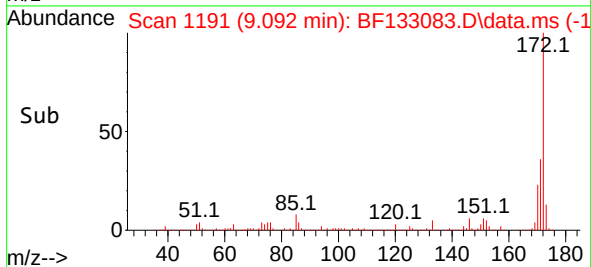
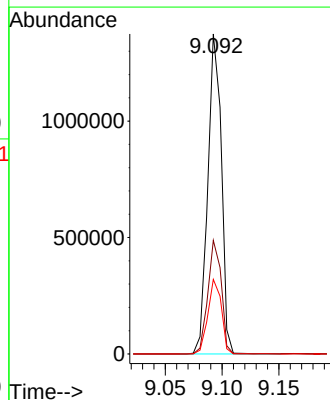
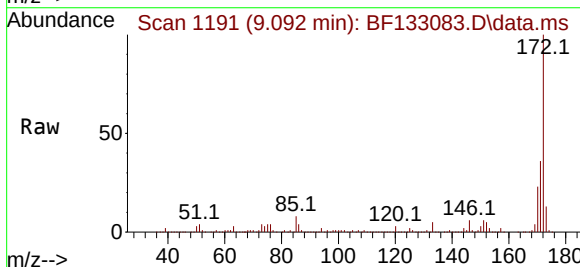
Tgt Ion:172 Resp: 1135185

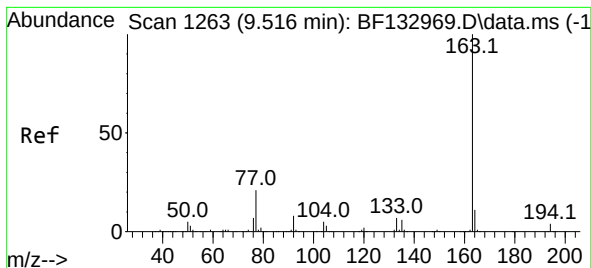
Ion Ratio Lower Upper

172 100

171 35.5 28.8 43.2

170 23.3 19.4 29.2





#50

Dimethylphthalate

Concen: 2.888 ng

RT: 9.769 min Scan# 1

Delta R.T. 0.265 min

Lab File: BF133083.D

Acq: 27 Apr 2023 00:35

Instrument :

BNA_F

ClientSampleId :

VNJ-208

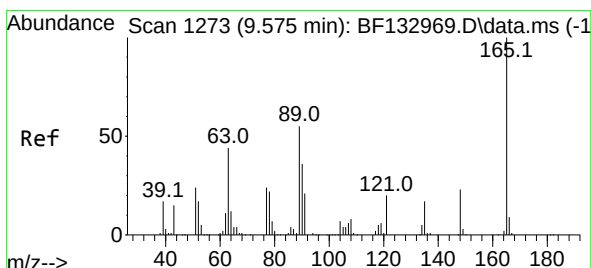
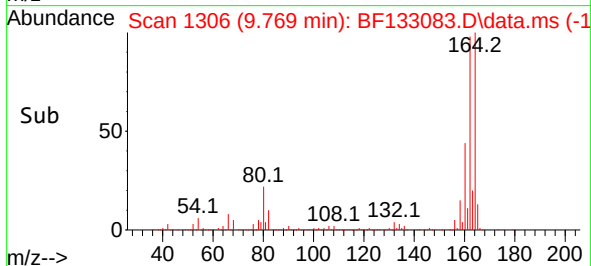
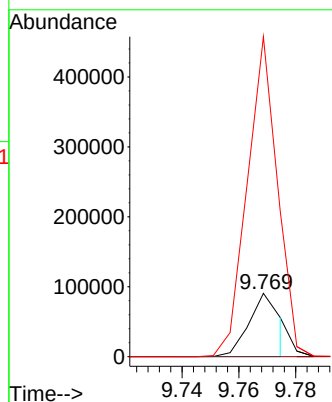
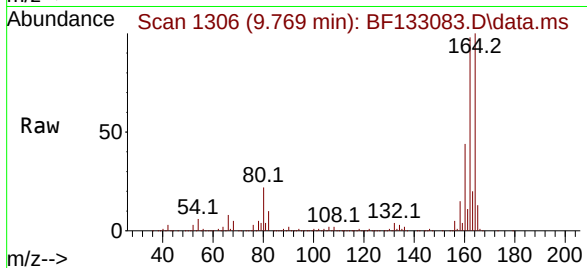
Tgt Ion:163 Resp: 68472

Ion Ratio Lower Upper

163 100

194 0.0 3.1 4.7#

164 505.1 8.5 12.7#



#51

2,6-Dinitrotoluene

Concen: 8.446 ng

RT: 9.769 min Scan# 1306

Delta R.T. 0.212 min

Lab File: BF133083.D

Acq: 27 Apr 2023 00:35

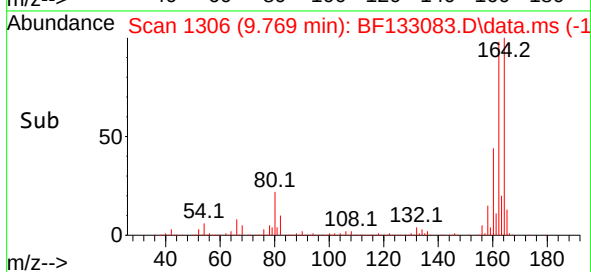
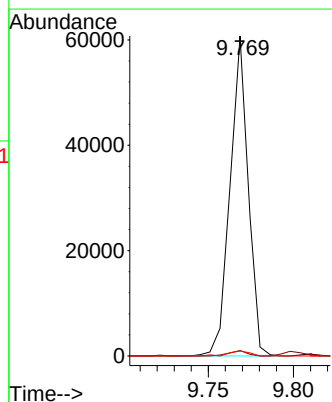
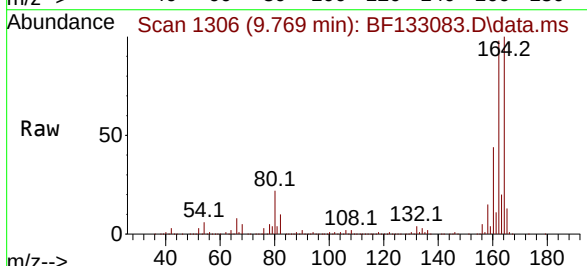
Tgt Ion:165 Resp: 45076

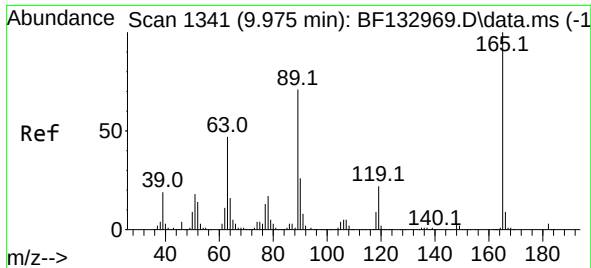
Ion Ratio Lower Upper

165 100

63 1.7 45.9 68.9#

89 1.5 44.0 66.0#

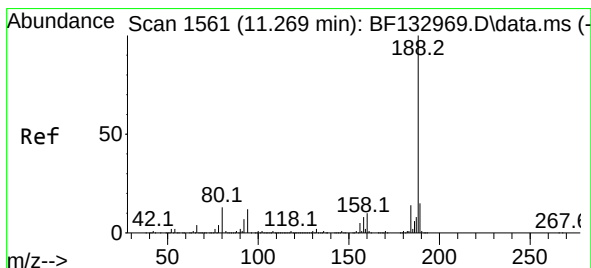
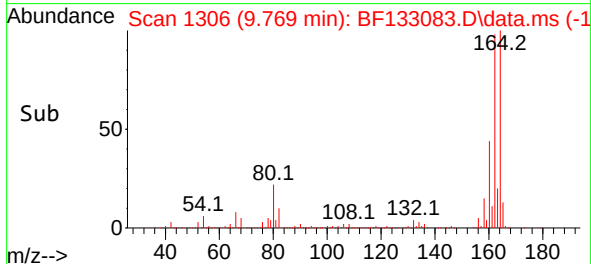
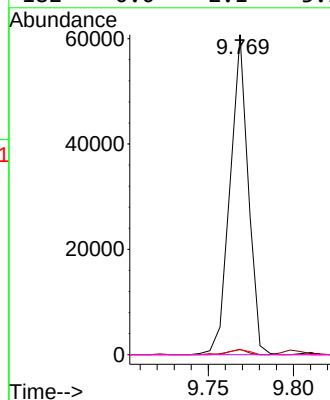
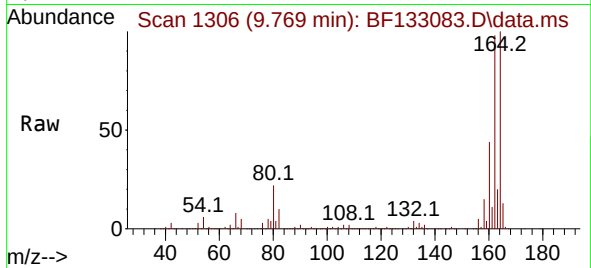




#57
2,4-Dinitrotoluene
Concen: 6.623 ng
RT: 9.769 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF133083.D
Acq: 27 Apr 2023 00:35

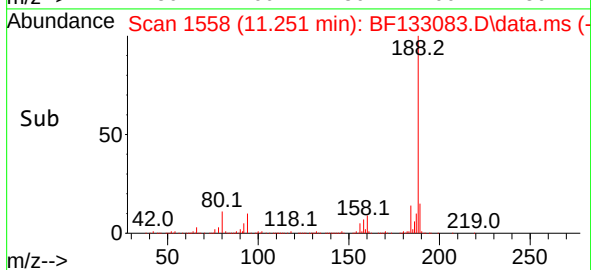
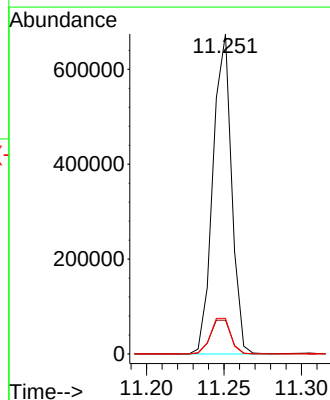
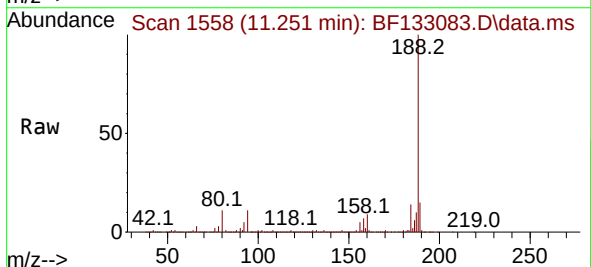
Instrument :
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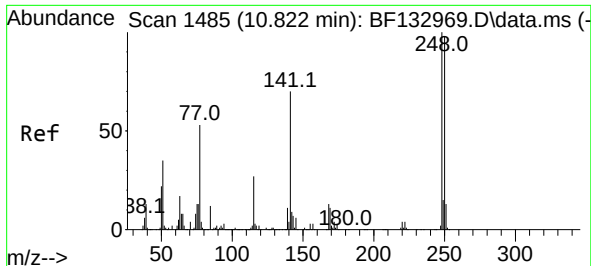
Tgt Ion:165 Resp: 45076
Ion Ratio Lower Upper
165 100
63 1.7 37.7 56.5#
89 1.5 57.0 85.4#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.251 min Scan# 1558
Delta R.T. -0.006 min
Lab File: BF133083.D
Acq: 27 Apr 2023 00:35

Tgt Ion:188 Resp: 565374
Ion Ratio Lower Upper
188 100
94 10.6 9.7 14.5
80 11.1 10.4 15.6

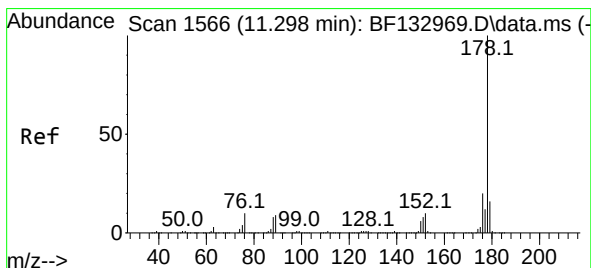
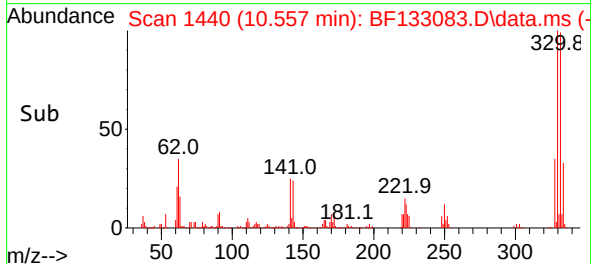
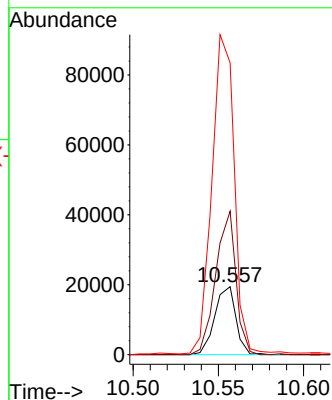
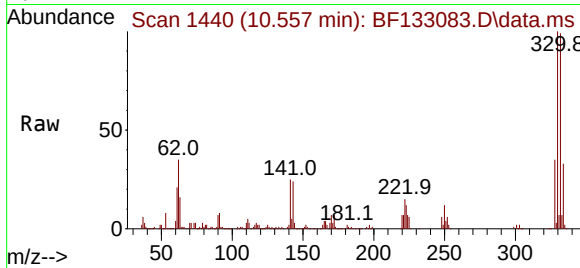




#67
4-Bromophenyl-phenylether
Concen: 2.741 ng
RT: 10.557 min Scan# 1485
Delta R.T. -0.247 min
Lab File: BF133083.D
Acq: 27 Apr 2023 00:35

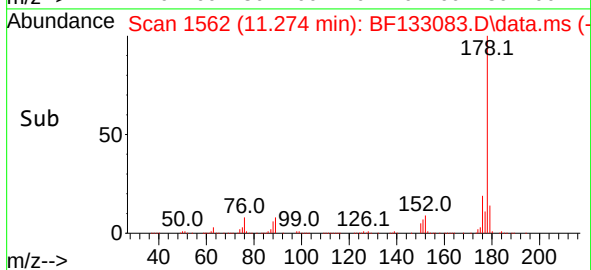
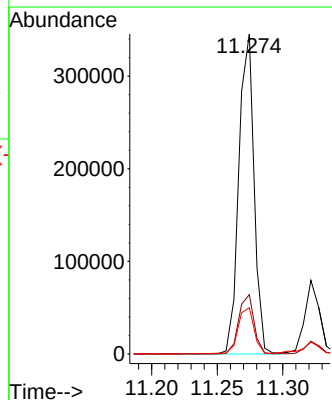
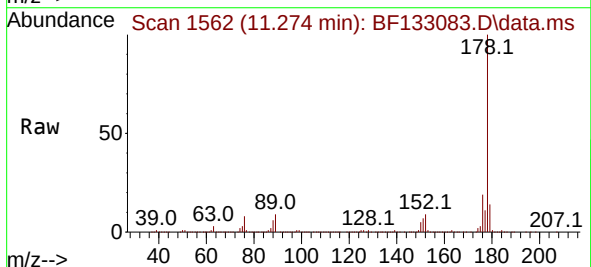
Instrument :
BNA_F
ClientSampleId :
VNJ-208

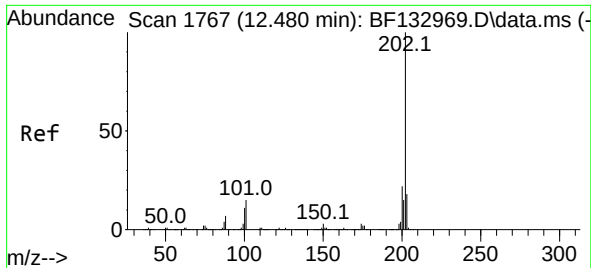
Tgt Ion:248 Resp: 16810
Ion Ratio Lower Upper
248 100
250 211.1 78.7 118.1#
141 428.9 56.3 84.5#



#71
Phenanthrene
Concen: 9.231 ng
RT: 11.274 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BF133083.D
Acq: 27 Apr 2023 00:35

Tgt Ion:178 Resp: 280518
Ion Ratio Lower Upper
178 100
176 18.6 15.9 23.9
179 14.5 12.5 18.7

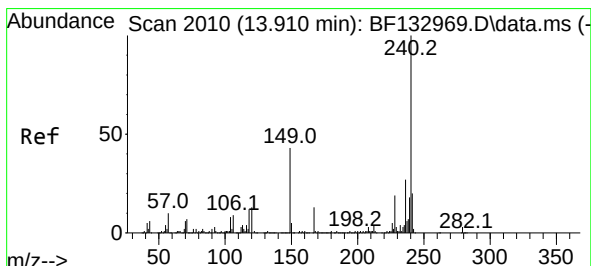
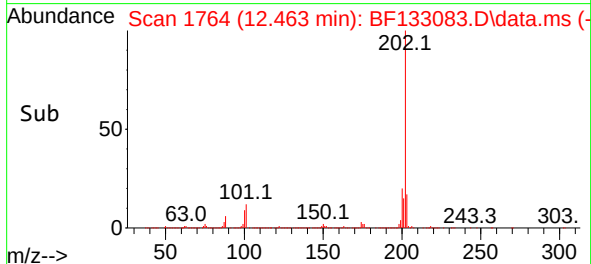
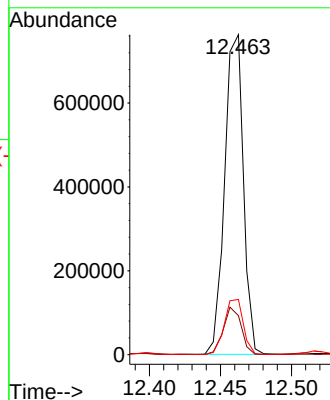
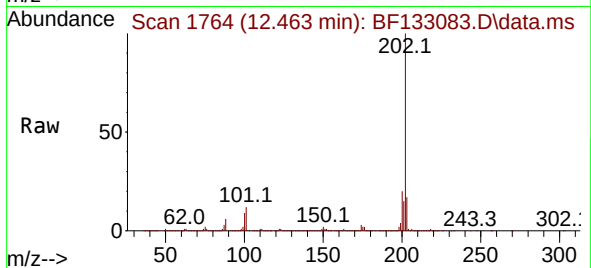




#75
Fluoranthene
Concen: 22.896 ng
RT: 12.463 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF133083.D
Acq: 27 Apr 2023 00:35

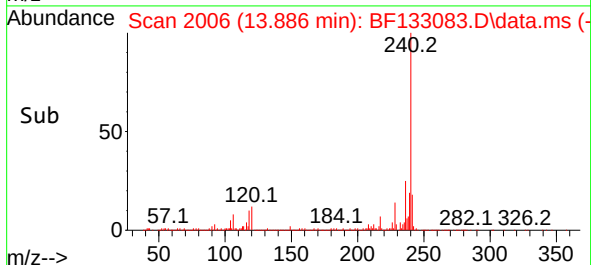
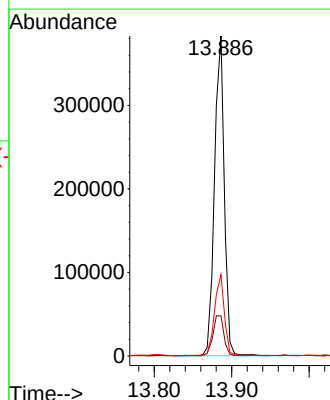
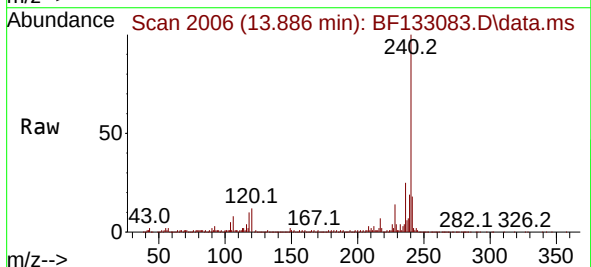
Instrument :
BNA_F
ClientSampleId :
VNJ-208

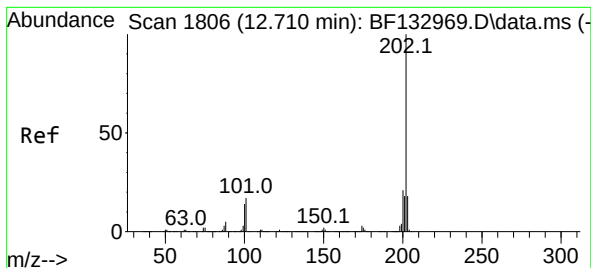
Tgt Ion:202 Resp: 698255
Ion Ratio Lower Upper
202 100
101 12.2 0.0 35.3
203 17.3 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.886 min Scan# 2006
Delta R.T. -0.006 min
Lab File: BF133083.D
Acq: 27 Apr 2023 00:35

Tgt Ion:240 Resp: 337229
Ion Ratio Lower Upper
240 100
120 12.5 10.5 15.7
236 25.4 21.5 32.3





#78

Pyrene

Concen: 23.091 ng

RT: 12.686 min Scan# 1802

Delta R.T. -0.006 min

Lab File: BF133083.D

Acq: 27 Apr 2023 00:35

Instrument :

BNA_F

ClientSampleId :

VNJ-208

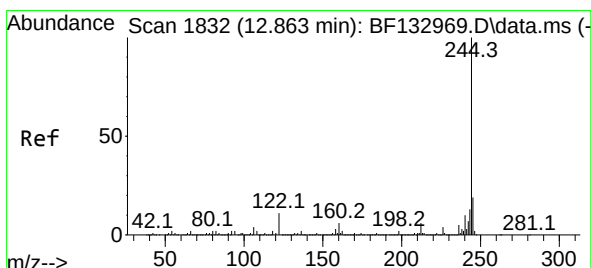
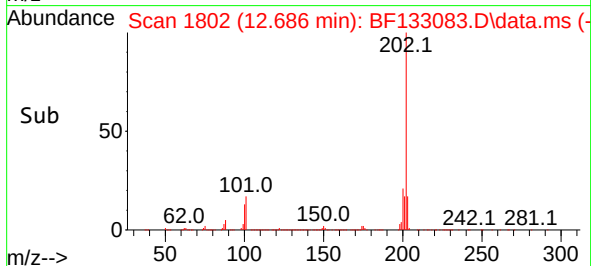
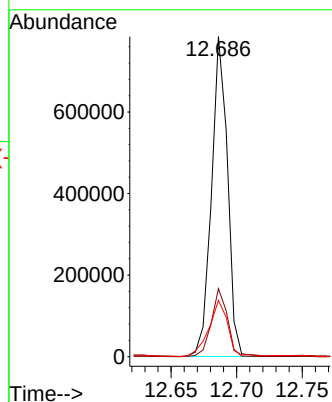
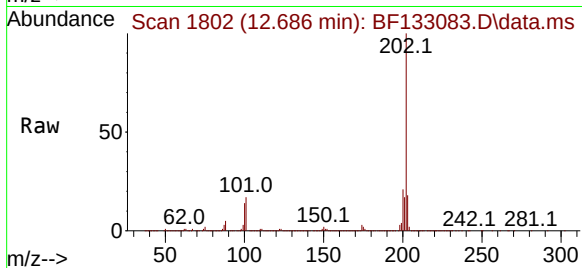
Tgt Ion:202 Resp: 667517

Ion Ratio Lower Upper

202 100

200 21.2 17.1 25.7

203 17.6 14.1 21.1



#79

Terphenyl-d14

Concen: 51.204 ng

RT: 12.839 min Scan# 1828

Delta R.T. 0.000 min

Lab File: BF133083.D

Acq: 27 Apr 2023 00:35

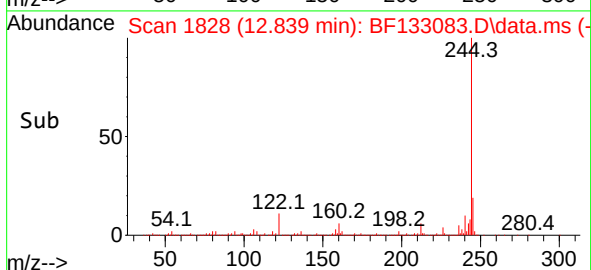
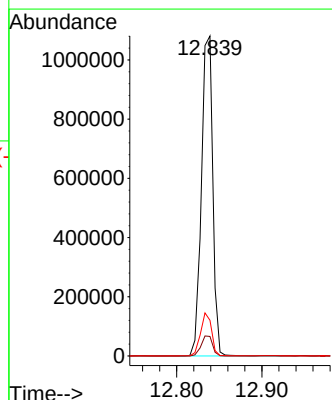
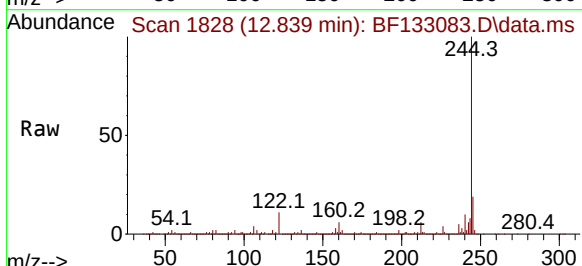
Tgt Ion:244 Resp: 1001205

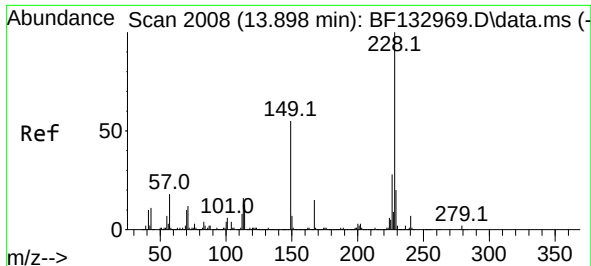
Ion Ratio Lower Upper

244 100

212 6.1 5.1 7.7

122 11.2 8.6 13.0

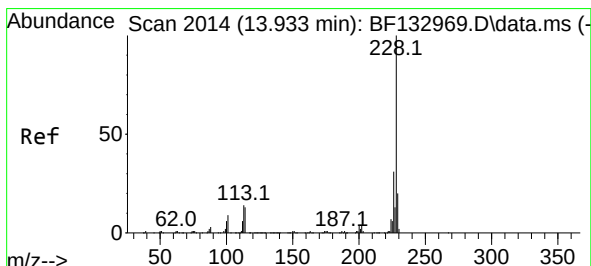
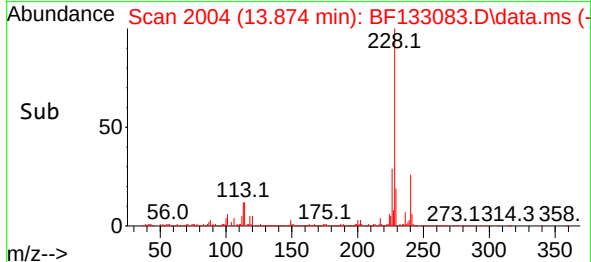
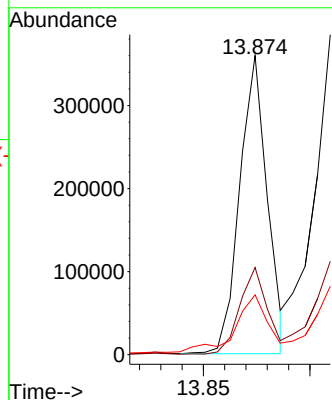
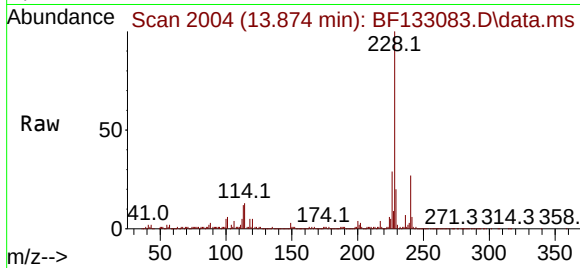




#81
Benzo(a)anthracene
Concen: 13.935 ng
RT: 13.874 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BF133083.D
Acq: 27 Apr 2023 00:35

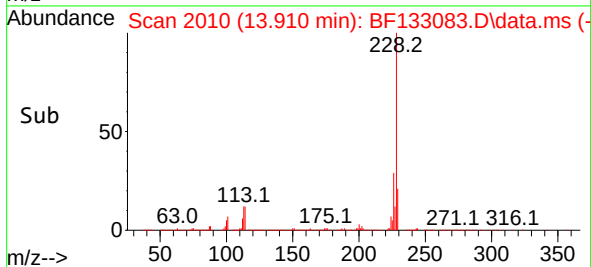
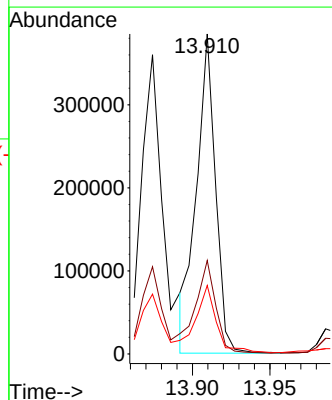
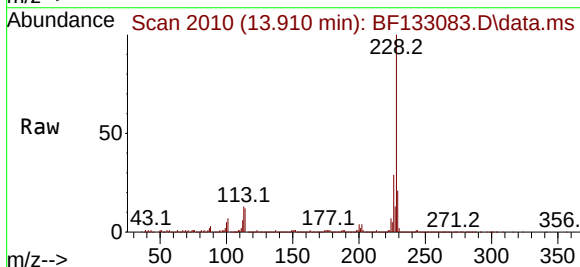
Instrument :
BNA_F
ClientSampleId :
VNJ-208

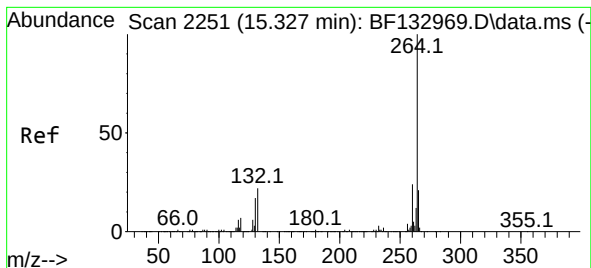
Tgt Ion:228 Resp: 323162
Ion Ratio Lower Upper
228 100
226 29.2 22.2 33.4
229 20.0 16.0 24.0



#83
Chrysene
Concen: 14.148 ng
RT: 13.910 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BF133083.D
Acq: 27 Apr 2023 00:35

Tgt Ion:228 Resp: 328024
Ion Ratio Lower Upper
228 100
226 29.2 24.7 37.1
229 21.4 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.304 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF133083.D

Acq: 27 Apr 2023 00:35

Instrument :

BNA_F

ClientSampleId :

VNJ-208

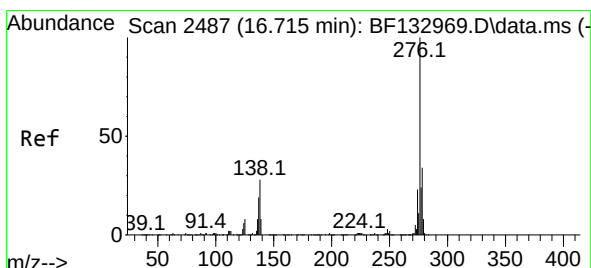
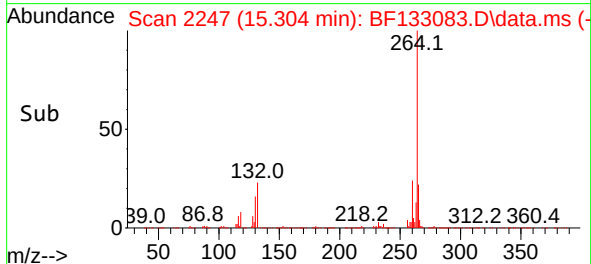
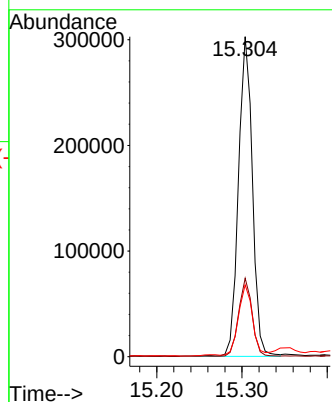
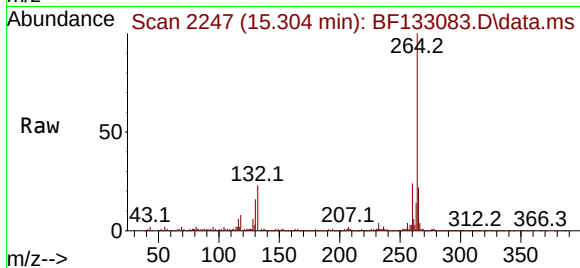
Tgt Ion:264 Resp: 342948

Ion Ratio Lower Upper

264 100

260 24.5 18.8 28.2

265 22.5 17.0 25.4



#87

Indeno(1,2,3-cd)pyrene

Concen: 8.687 ng

RT: 16.674 min Scan# 2480

Delta R.T. -0.012 min

Lab File: BF133083.D

Acq: 27 Apr 2023 00:35

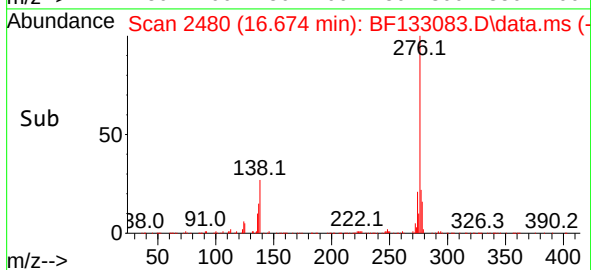
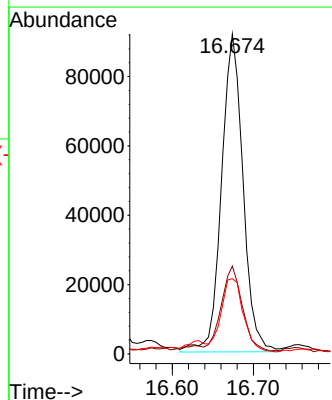
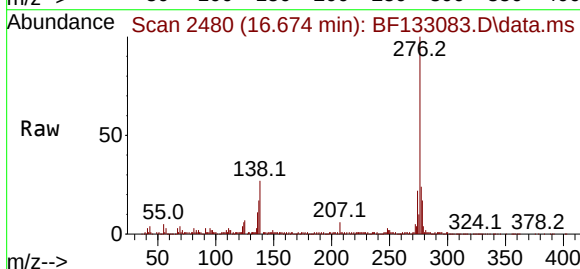
Tgt Ion:276 Resp: 169461

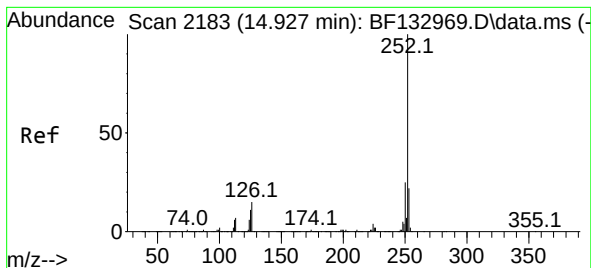
Ion Ratio Lower Upper

276 100

138 27.5 25.5 38.3

277 23.6 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 26.174 ng

RT: 14.898 min Scan# 2178

Delta R.T. -0.006 min

Lab File: BF133083.D

Acq: 27 Apr 2023 00:35

Instrument :

BNA_F

ClientSampleId :

VNJ-208

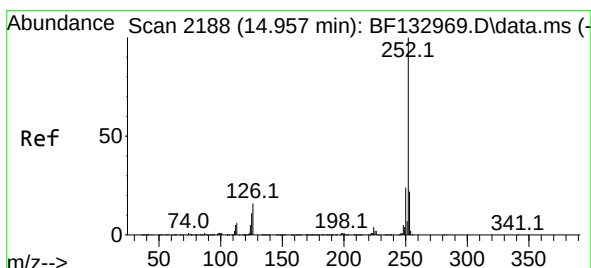
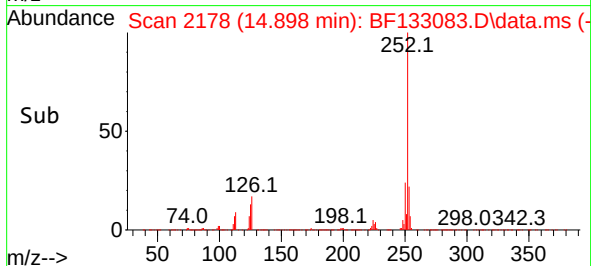
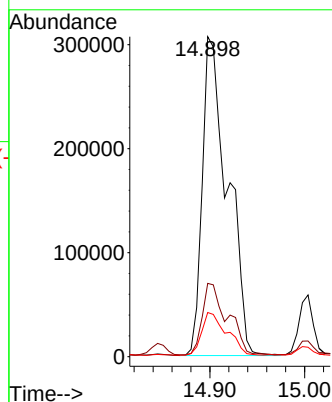
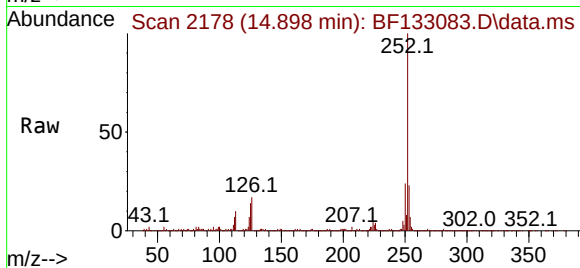
Tgt Ion:252 Resp: 571062

Ion Ratio Lower Upper

252 100

253 22.9 17.6 26.4

125 13.8 8.9 13.3#



#89

Benzo(k)fluoranthene

Concen: 26.404 ng

RT: 14.898 min Scan# 2178

Delta R.T. -0.035 min

Lab File: BF133083.D

Acq: 27 Apr 2023 00:35

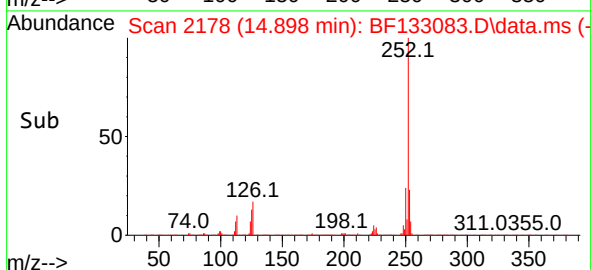
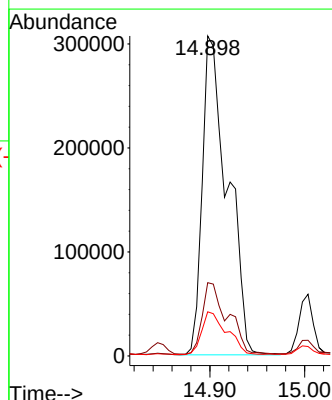
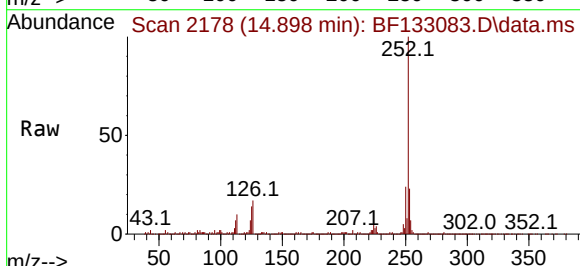
Tgt Ion:252 Resp: 571062

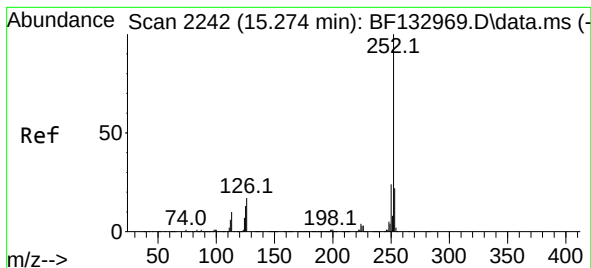
Ion Ratio Lower Upper

252 100

253 22.9 17.7 26.5

125 13.8 9.0 13.4#





#90

Benzo(a)pyrene

Concen: 14.814 ng

RT: 15.245 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF133083.D

Acq: 27 Apr 2023 00:35

Instrument :

BNA_F

ClientSampleId :

VNJ-208

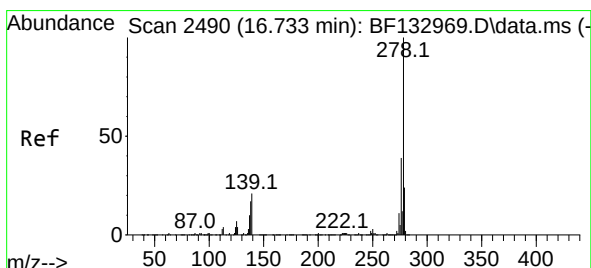
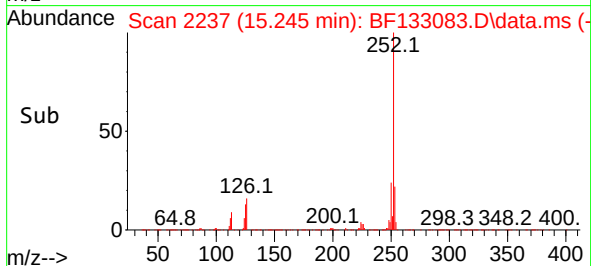
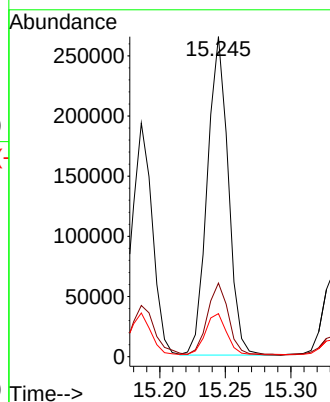
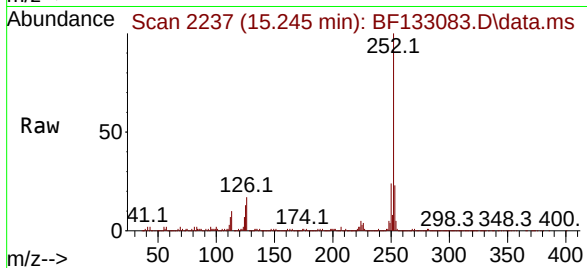
Tgt Ion:252 Resp: 294190

Ion Ratio Lower Upper

252 100

253 23.0 17.7 26.5

125 13.4 10.5 15.7



#91

Dibenzo(a,h)anthracene

Concen: 2.821 ng

RT: 16.692 min Scan# 2483

Delta R.T. -0.012 min

Lab File: BF133083.D

Acq: 27 Apr 2023 00:35

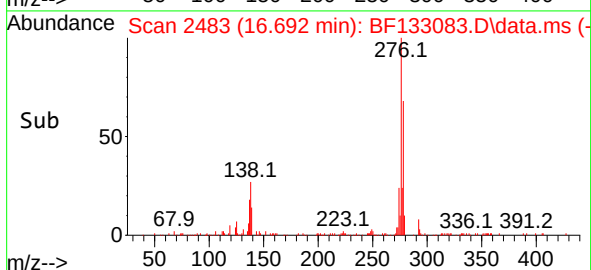
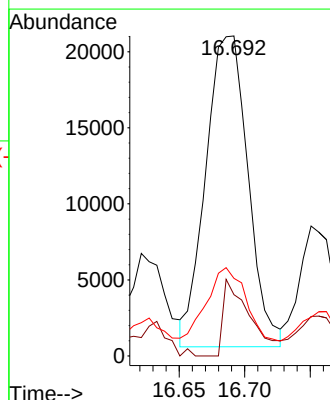
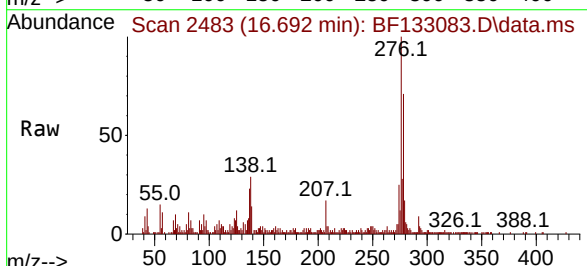
Tgt Ion:278 Resp: 45900

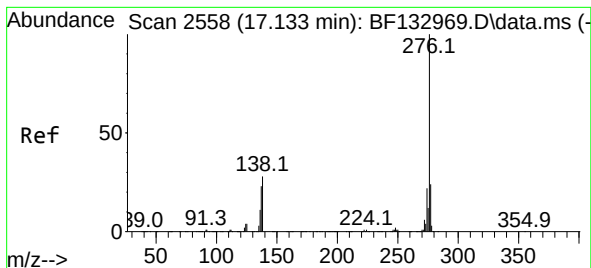
Ion Ratio Lower Upper

278 100

139 19.2 16.6 24.8

279 24.3 18.8 28.2





#92

Benzo(g,h,i)perylene

Concen: 9.555 ng

RT: 17.086 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF133083.D

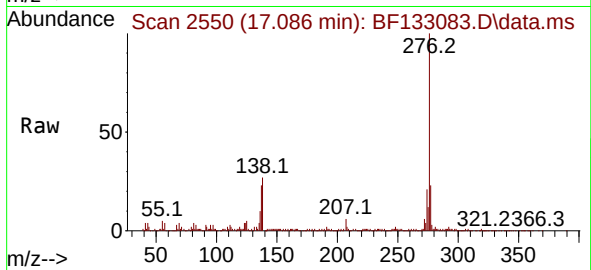
Acq: 27 Apr 2023 00:35

Instrument :

BNA_F

ClientSampleId :

VNJ-208



Tgt Ion:276 Resp: 153479

Ion Ratio Lower Upper

276 100

277 23.1 19.4 29.0

138 27.2 22.7 34.1

