

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011023\
 Data File : BF132012.D
 Acq On : 10 Jan 2023 23:40
 Operator : CG\JU
 Sample : 01033-01RE 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-228

Quant Time: Jan 11 00:42:18 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 10 00:32:25 2023
 Response via : Initial Calibration

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

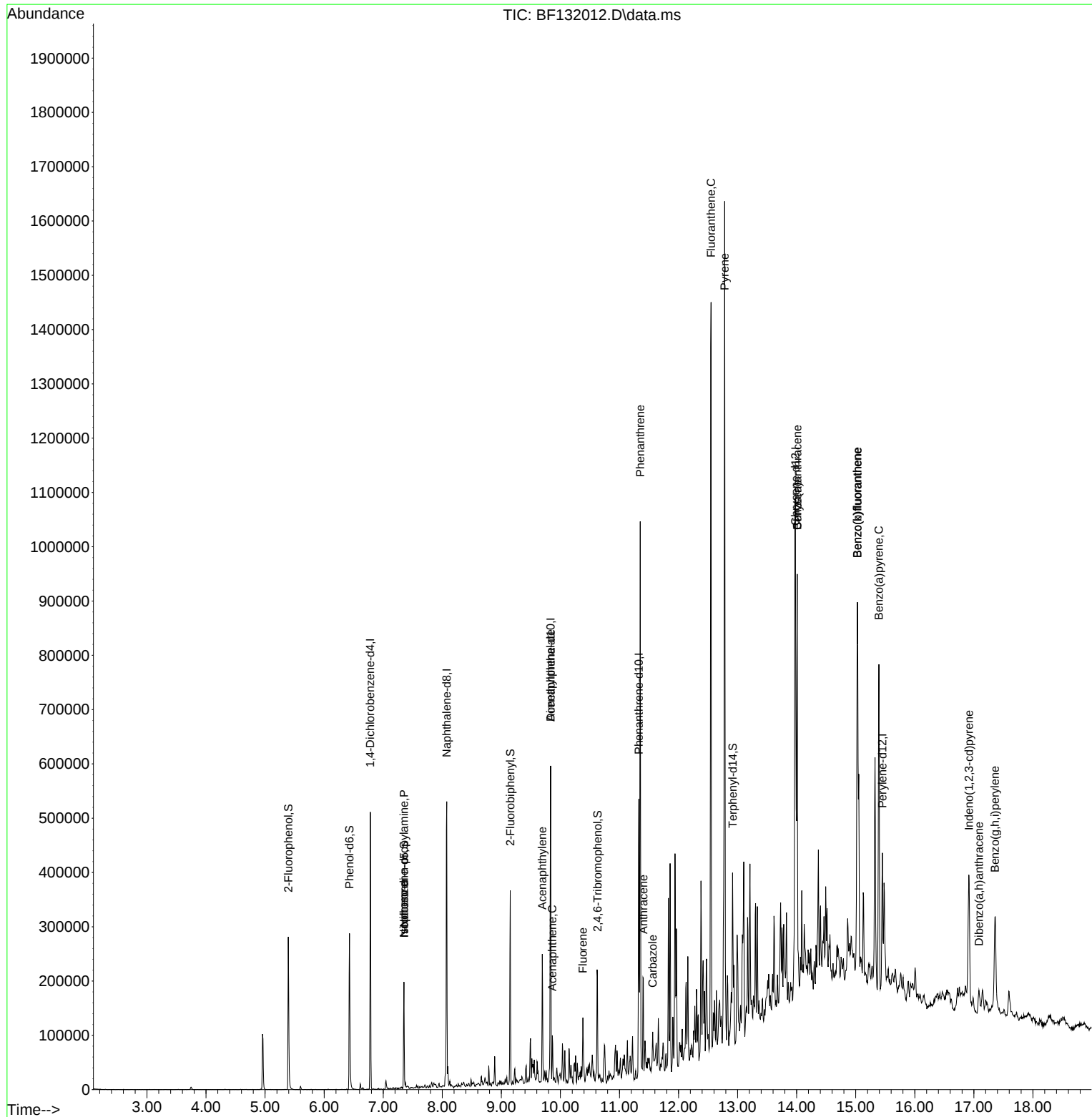
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	63469	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	208475	20.000	ng	0.00
39) Acenaphthene-d10	9.834	164	101810	20.000	ng	0.00
64) Phenanthrene-d10	11.328	188	181426	20.000	ng	0.00
76) Chrysene-d12	13.980	240	135919	20.000	ng	# 0.00
86) Perylene-d12	15.451	264	110768	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	73437	19.066	ng	0.00
7) Phenol-d6	6.428	99	93267	18.263	ng	0.00
23) Nitrobenzene-d5	7.351	82	58442	11.635	ng	-0.02
42) 2,4,6-Tribromophenol	10.628	330	17405	14.869	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	90446	11.993	ng	-0.01
79) Terphenyl-d14	12.916	244	87181	9.193	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.351	70	8935	2.419	ng	# 81
25) Isophorone	7.351	82	57567	6.135	ng	# 69
49) Acenaphthylene	9.692	152	80631	8.519	ng	98
50) Dimethylphthalate	9.834	163	21623	2.725	ng	# 1
52) Acenaphthene	9.863	154	15390	2.709	ng	98
58) Fluorene	10.381	166	29020	4.057	ng	98
71) Phenanthrene	11.351	178	331228	35.022	ng	100
72) Anthracene	11.404	178	70317	7.222	ng	97
73) Carbazole	11.563	167	19361	2.402	ng	# 93
75) Fluoranthene	12.551	202	552500	51.943	ng	99
78) Pyrene	12.780	202	598754	48.300	ng	100
81) Benzo(a)anthracene	14.010	228	304430	30.786	ng	94
83) Chrysene	14.010	228	304430	32.942	ng	99
87) Indeno(1,2,3-cd)pyrene	16.915	276	157499	23.184	ng	97
88) Benzo(b)fluoranthene	15.027	252	548338	72.175	ng	99
89) Benzo(k)fluoranthene	15.027	252	548338	72.319	ng	# 99
90) Benzo(a)pyrene	15.392	252	282934	41.334	ng	97
91) Dibenzo(a,h)anthracene	17.086	278	28329	4.975	ng	93
92) Benzo(g,h,i)perylene	17.357	276	146883	25.844	ng	94

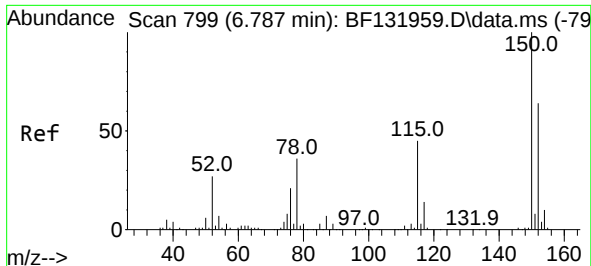
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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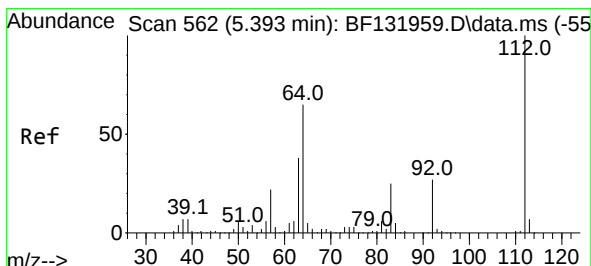
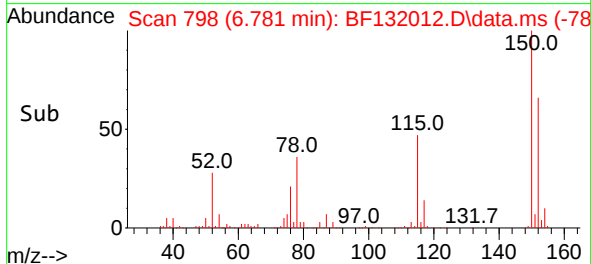
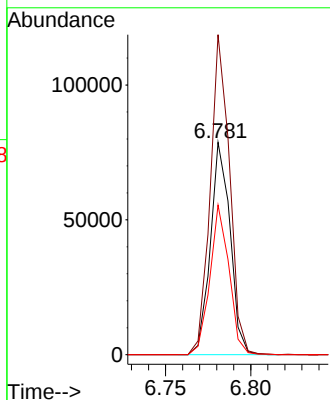
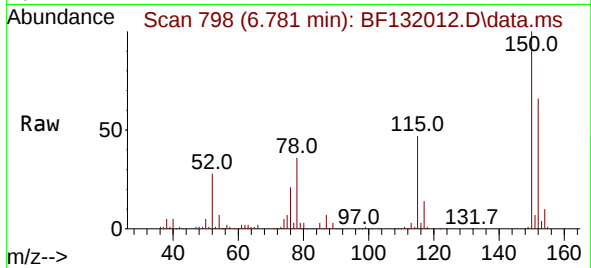




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 799
Delta R.T. -0.006 min
Lab File: BF132012.D
Acq: 10 Jan 2023 23:40

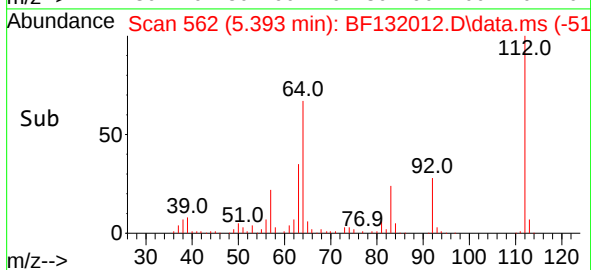
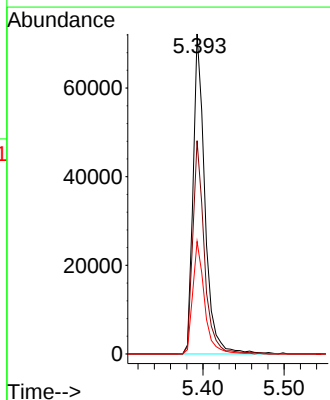
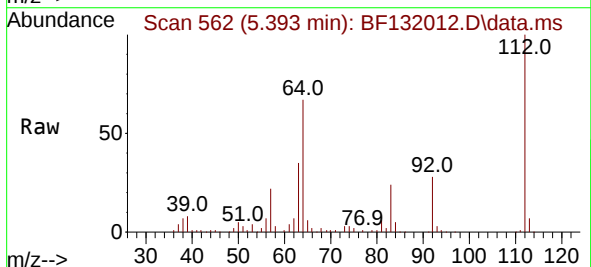
Instrument :
BNA_F
ClientSampleId :
VNJ-228

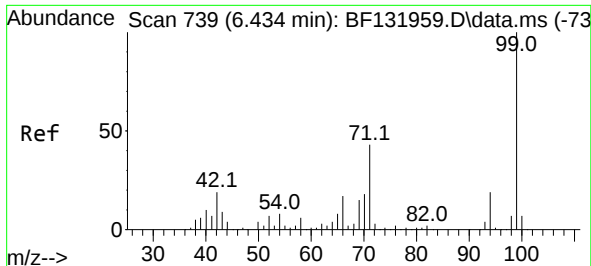
Tgt Ion:152 Resp: 63469
Ion Ratio Lower Upper
152 100
150 150.8 124.6 186.8
115 70.5 55.6 83.4



#5
2-Fluorophenol
Concen: 19.066 ng
RT: 5.393 min Scan# 562
Delta R.T. -0.000 min
Lab File: BF132012.D
Acq: 10 Jan 2023 23:40

Tgt Ion:112 Resp: 73437
Ion Ratio Lower Upper
112 100
64 66.7 51.9 77.9
63 35.2 30.2 45.2

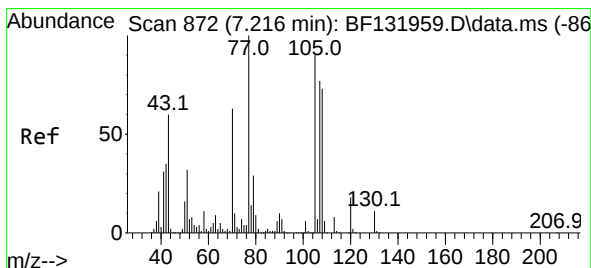
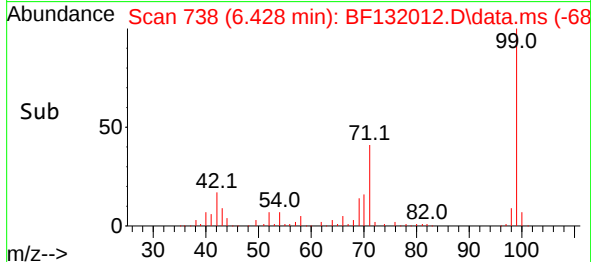
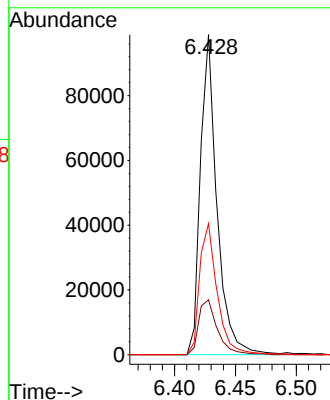
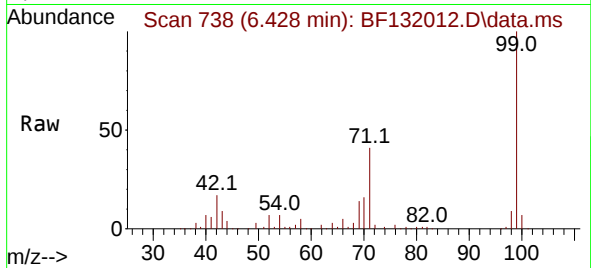




#7
Phenol-d6
Concen: 18.263 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF132012.D
Acq: 10 Jan 2023 23:40

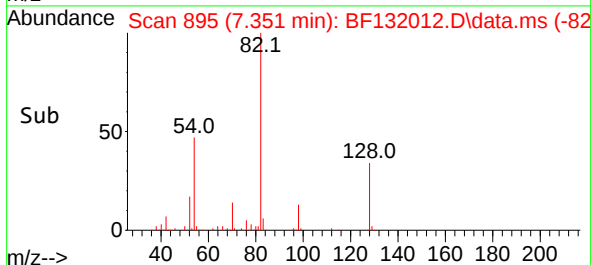
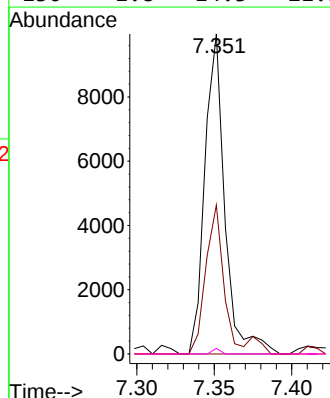
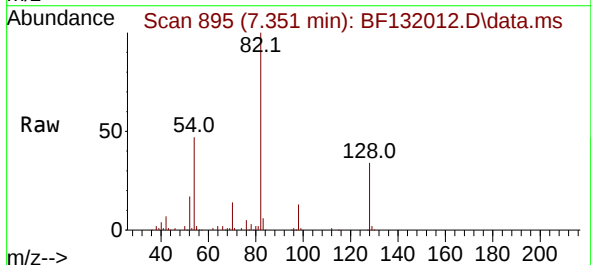
Instrument :
BNA_F
ClientSampleId :
VNJ-228

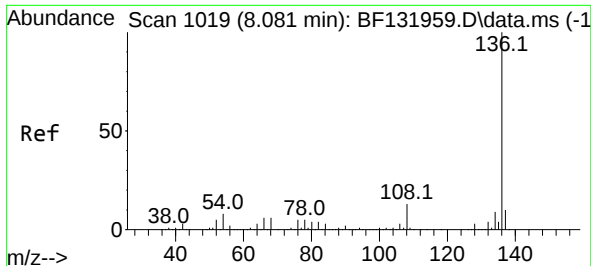
Tgt Ion: 99 Resp: 93267
Ion Ratio Lower Upper
99 100
42 17.2 15.4 23.2
71 41.0 34.6 51.8



#19
n-Nitroso-di-n-propylamine
Concen: 2.419 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.135 min
Lab File: BF132012.D
Acq: 10 Jan 2023 23:40

Tgt Ion: 70 Resp: 8935
Ion Ratio Lower Upper
70 100
42 46.5 44.3 66.5
101 0.0 7.5 11.3#
130 1.8 14.3 21.5#



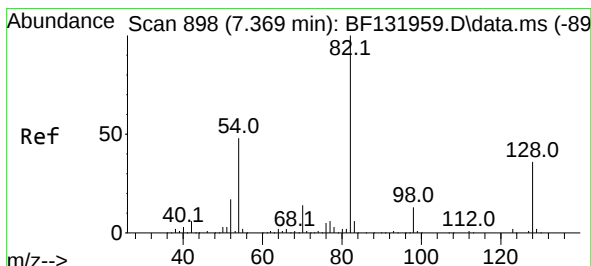
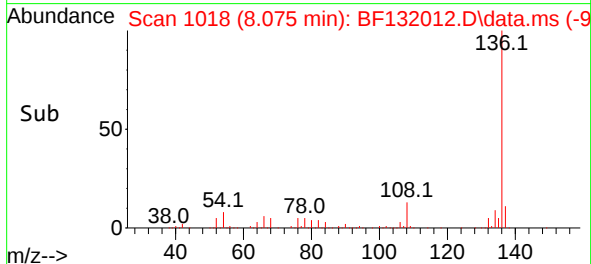
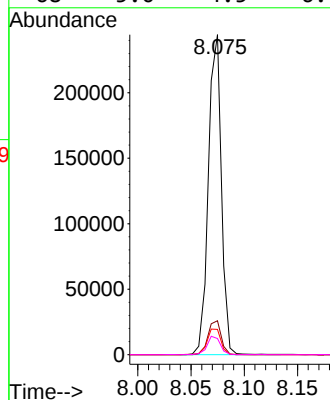
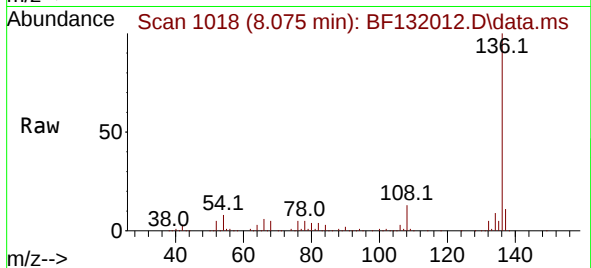


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF132012.D
Acq: 10 Jan 2023 23:40

Instrument :
BNA_F
ClientSampleId :
VNJ-228

Tgt Ion:136 Resp: 208475

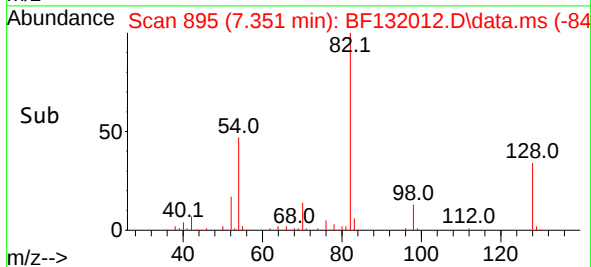
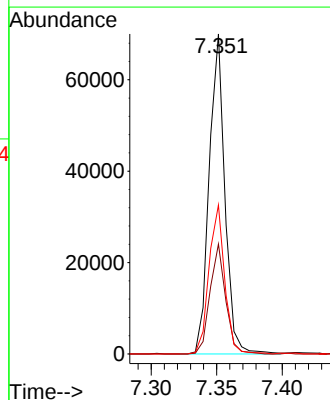
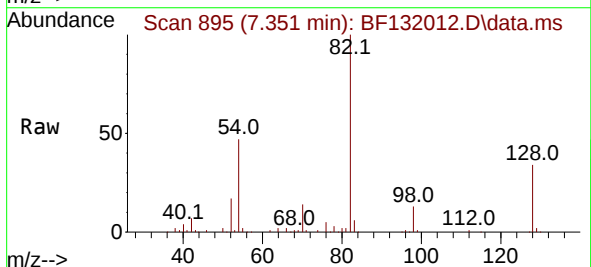
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.2	12.2
54	7.9	6.6	9.8
68	5.0	4.5	6.7

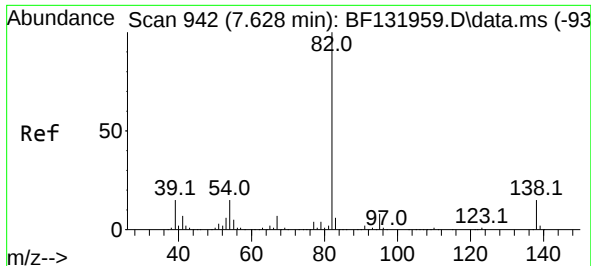


#23
Nitrobenzene-d5
Concen: 11.635 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF132012.D
Acq: 10 Jan 2023 23:40

Tgt Ion: 82 Resp: 58442

Ion	Ratio	Lower	Upper
82	100		
128	34.3	28.7	43.1
54	46.6	38.1	57.1

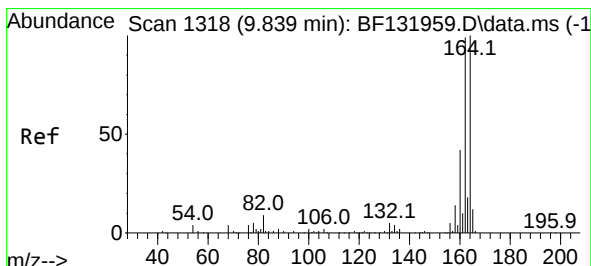
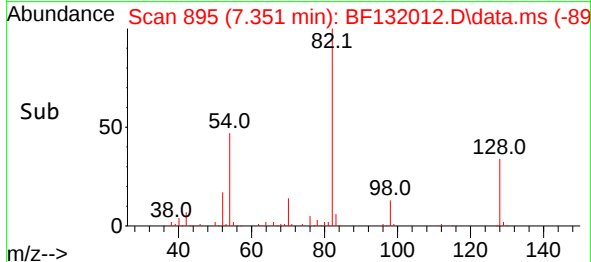
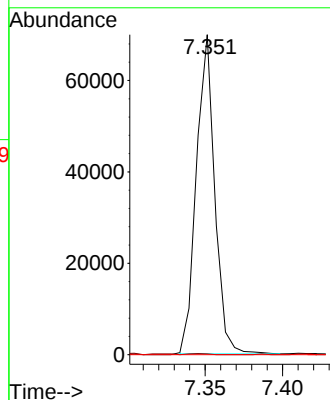
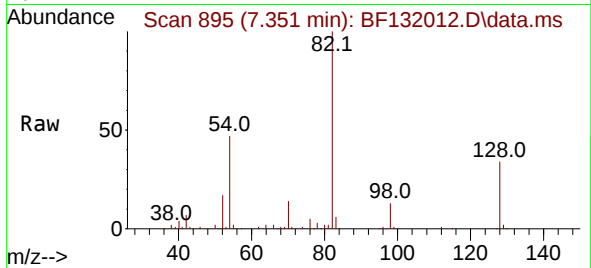




#25
Isophorone
Concen: 6.135 ng
RT: 7.351 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF132012.D
Acq: 10 Jan 2023 23:40

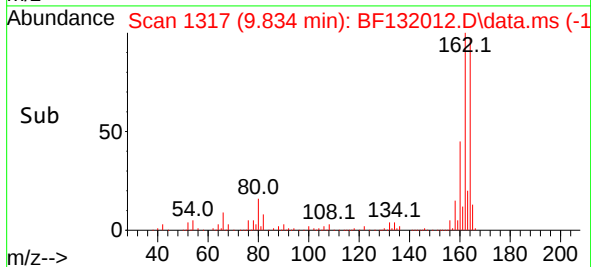
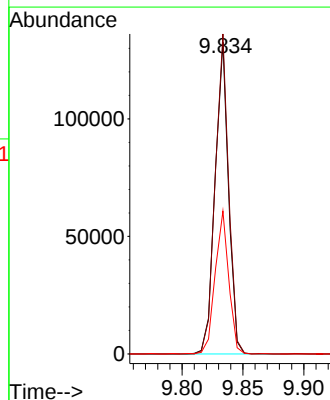
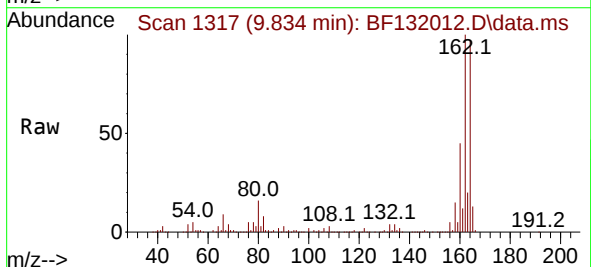
Instrument :
BNA_F
ClientSampleId :
VNJ-228

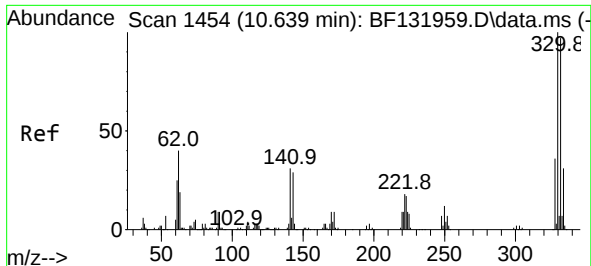
Tgt Ion: 82 Resp: 57567
Ion Ratio Lower Upper
82 100
95 0.2 6.5 9.7#
138 0.0 11.9 17.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.834 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF132012.D
Acq: 10 Jan 2023 23:40

Tgt Ion: 164 Resp: 101810
Ion Ratio Lower Upper
164 100
162 102.7 79.4 119.0
160 45.9 33.9 50.9





#42

2,4,6-Tribromophenol

Concen: 14.869 ng

RT: 10.628 min Scan# 1454

Delta R.T. -0.012 min

Lab File: BF132012.D

Acq: 10 Jan 2023 23:40

Instrument :

BNA_F

ClientSampleId :

VNJ-228

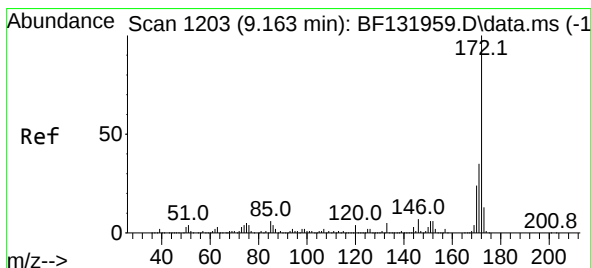
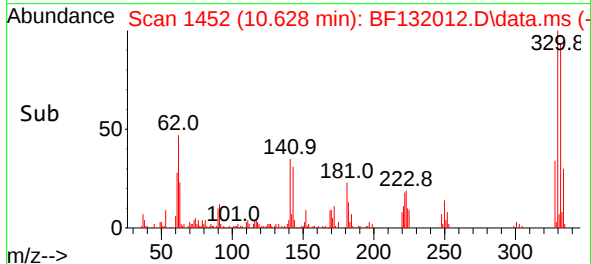
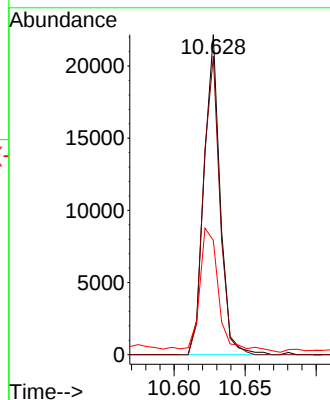
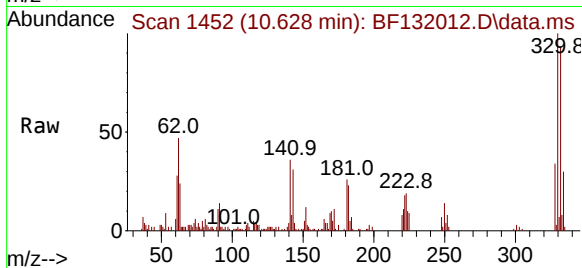
Tgt Ion:330 Resp: 17405

Ion Ratio Lower Upper

330 100

332 95.4 76.9 115.3

141 46.8 31.3 46.9



#45

2-Fluorobiphenyl

Concen: 11.993 ng

RT: 9.151 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF132012.D

Acq: 10 Jan 2023 23:40

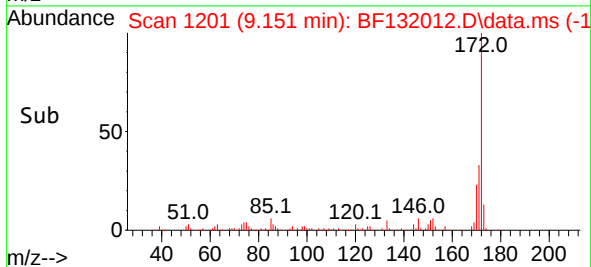
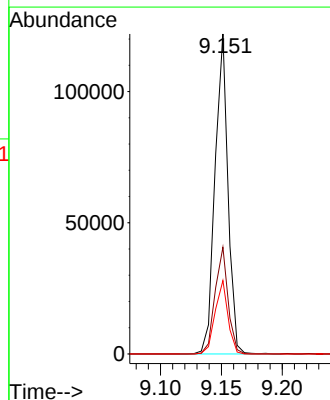
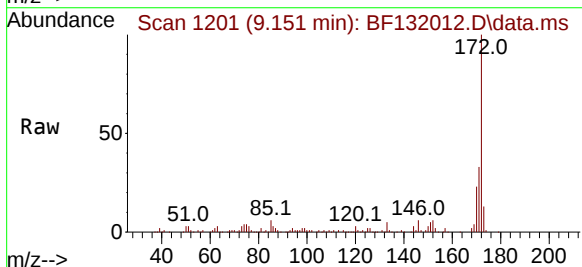
Tgt Ion:172 Resp: 90446

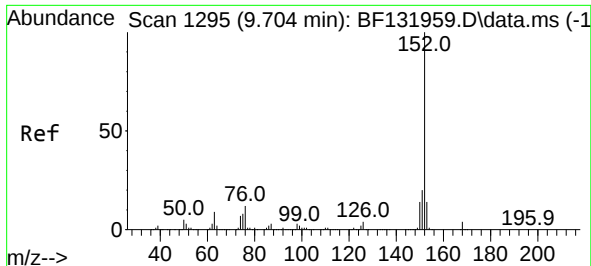
Ion Ratio Lower Upper

172 100

171 33.4 28.0 42.0

170 22.9 18.9 28.3





#49

Acenaphthylene

Concen: 8.519 ng

RT: 9.692 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF132012.D

Acq: 10 Jan 2023 23:40

Instrument :

BNA_F

ClientSampleId :

VNJ-228

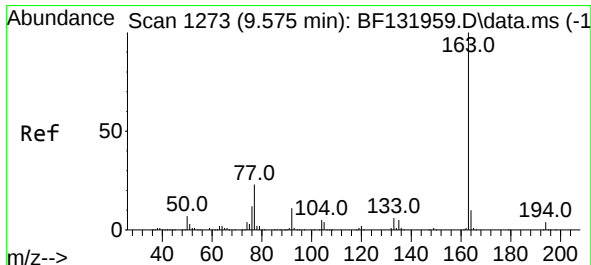
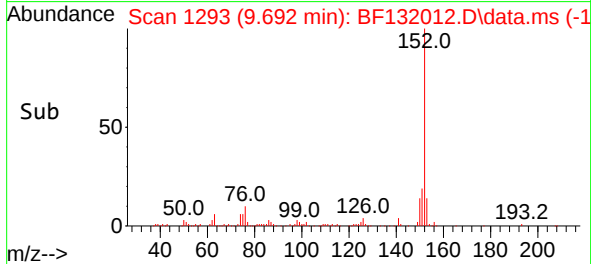
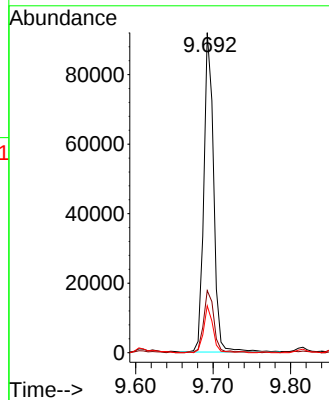
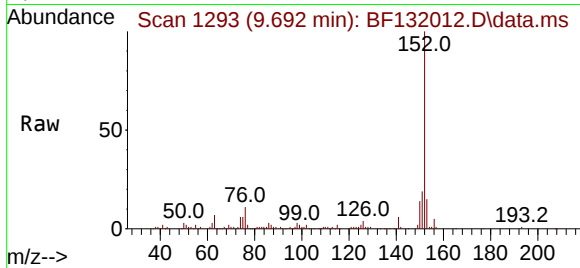
Tgt Ion:152 Resp: 80631

Ion Ratio Lower Upper

152 100

151 19.4 16.2 24.2

153 14.6 10.8 16.2



#50

Dimethylphthalate

Concen: 2.725 ng

RT: 9.834 min Scan# 1317

Delta R.T. 0.259 min

Lab File: BF132012.D

Acq: 10 Jan 2023 23:40

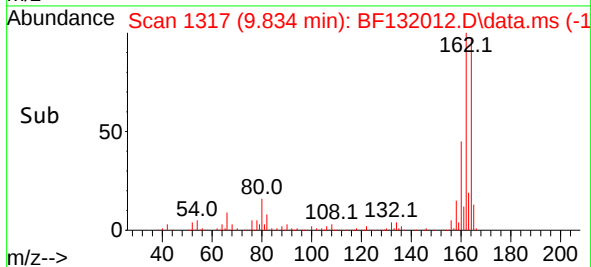
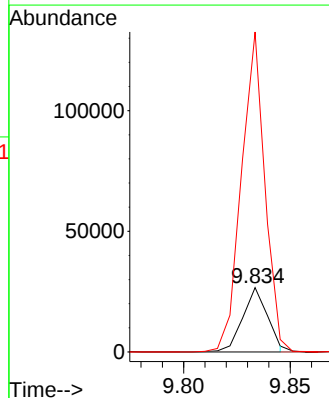
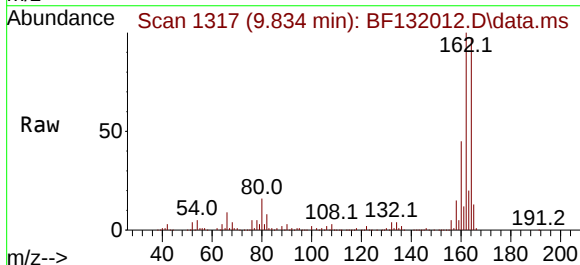
Tgt Ion:163 Resp: 21623

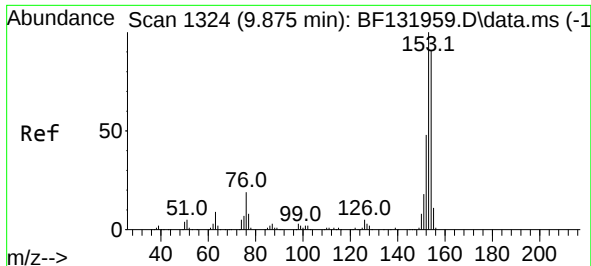
Ion Ratio Lower Upper

163 100

194 0.0 3.1 4.7#

164 497.9 7.8 11.6#

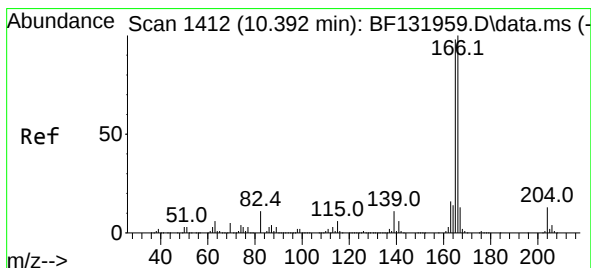
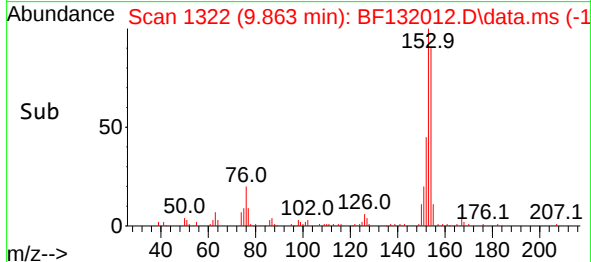
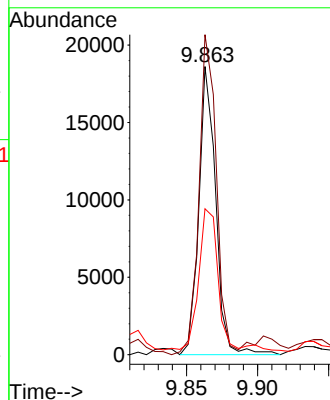
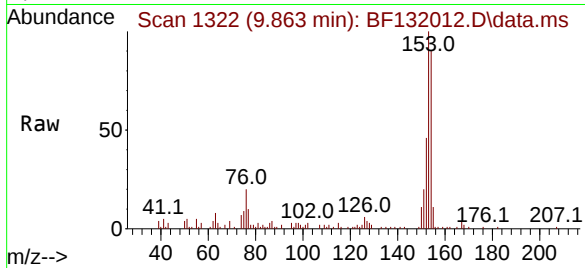




#52
Acenaphthene
Concen: 2.709 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF132012.D
Acq: 10 Jan 2023 23:40

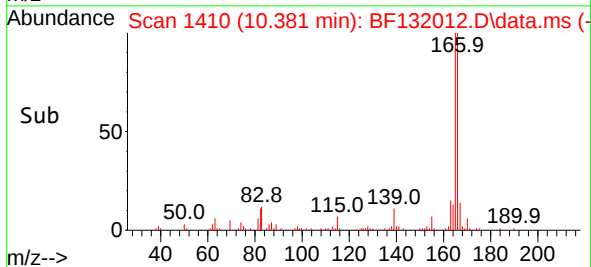
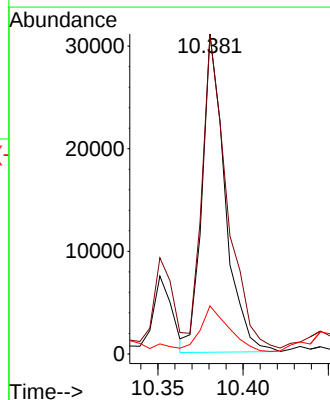
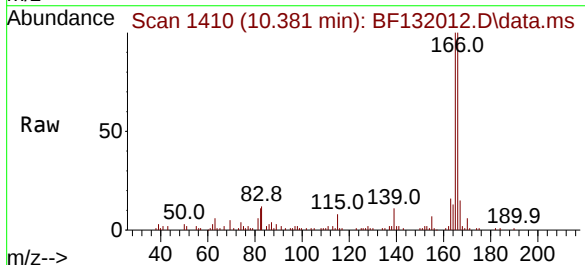
Instrument :
BNA_F
ClientSampleId :
VNJ-228

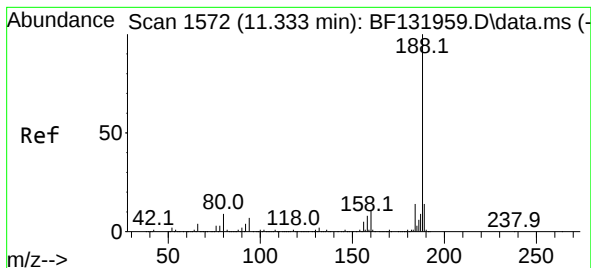
Tgt Ion:154 Resp: 15390
Ion Ratio Lower Upper
154 100
153 111.0 87.7 131.5
152 50.6 42.2 63.2



#58
Fluorene
Concen: 4.057 ng
RT: 10.381 min Scan# 1410
Delta R.T. -0.012 min
Lab File: BF132012.D
Acq: 10 Jan 2023 23:40

Tgt Ion:166 Resp: 29020
Ion Ratio Lower Upper
166 100
165 99.9 78.3 117.5
167 15.0 10.7 16.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.328 min Scan# 1571

Delta R.T. -0.006 min

Lab File: BF132012.D

Acq: 10 Jan 2023 23:40

Instrument :

BNA_F

ClientSampleId :

VNJ-228

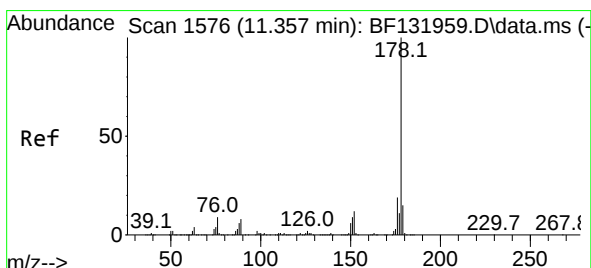
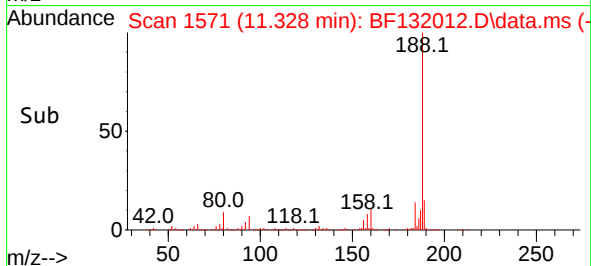
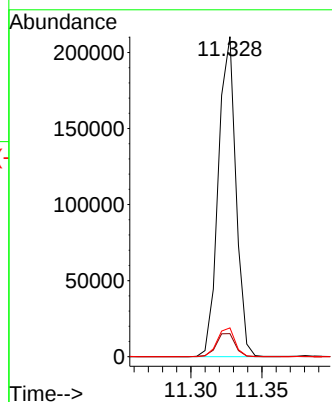
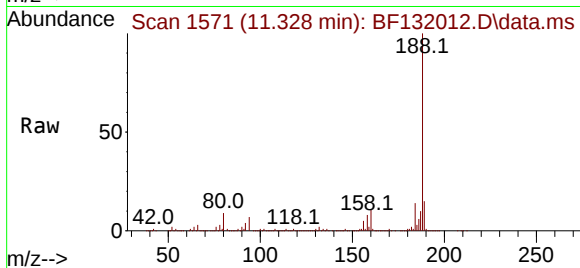
Tgt Ion:188 Resp: 181426

Ion Ratio Lower Upper

188 100

94 7.2 5.8 8.6

80 9.0 7.4 11.0



#71

Phenanthrene

Concen: 35.022 ng

RT: 11.351 min Scan# 1575

Delta R.T. -0.006 min

Lab File: BF132012.D

Acq: 10 Jan 2023 23:40

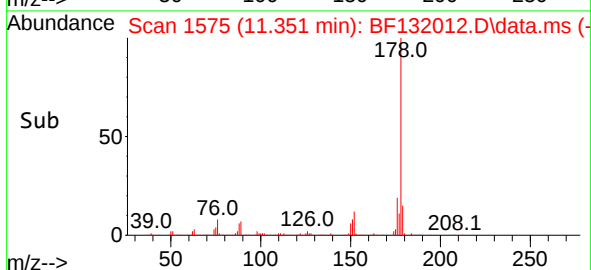
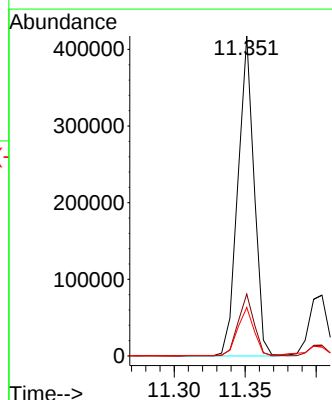
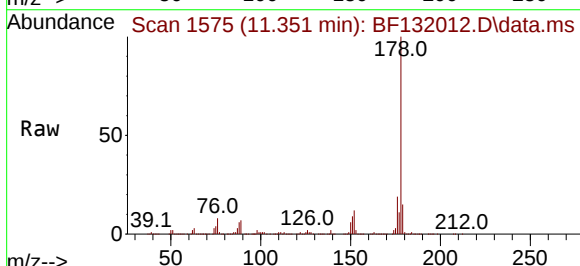
Tgt Ion:178 Resp: 331228

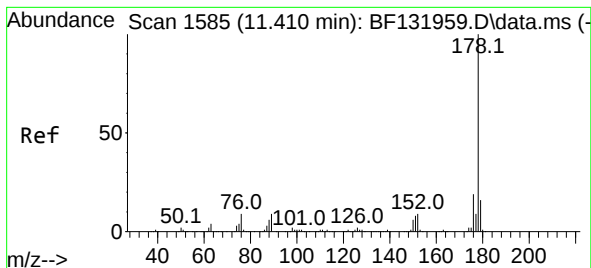
Ion Ratio Lower Upper

178 100

176 19.4 15.5 23.3

179 15.2 12.4 18.6





#72

Anthracene

Concen: 7.222 ng

RT: 11.404 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF132012.D

Acq: 10 Jan 2023 23:40

Instrument :

BNA_F

ClientSampleId :

VNJ-228

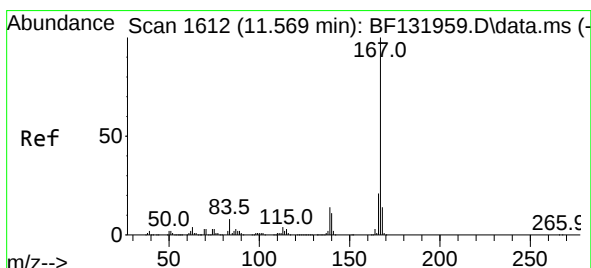
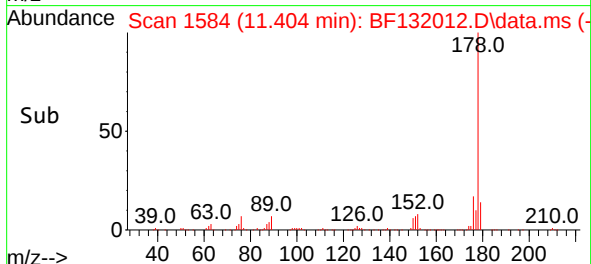
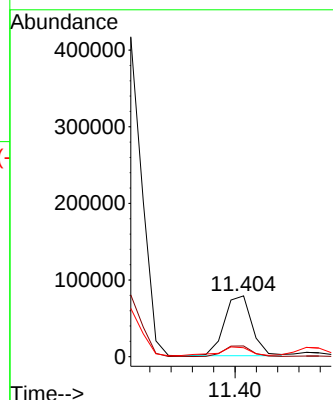
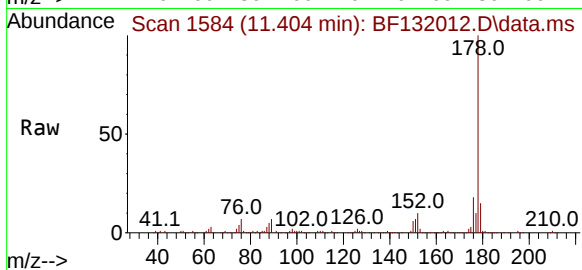
Tgt Ion:178 Resp: 70317

Ion Ratio Lower Upper

178 100

176 17.8 15.3 22.9

179 14.7 12.6 19.0



#73

Carbazole

Concen: 2.402 ng

RT: 11.563 min Scan# 1611

Delta R.T. -0.006 min

Lab File: BF132012.D

Acq: 10 Jan 2023 23:40

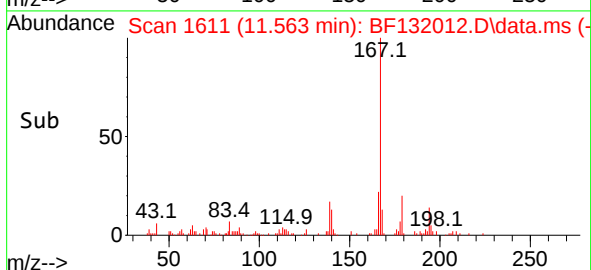
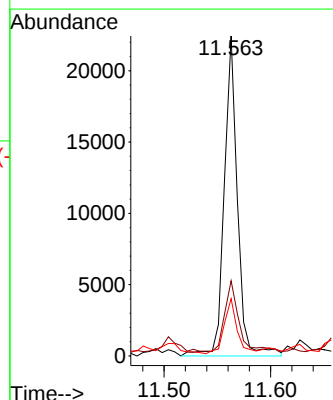
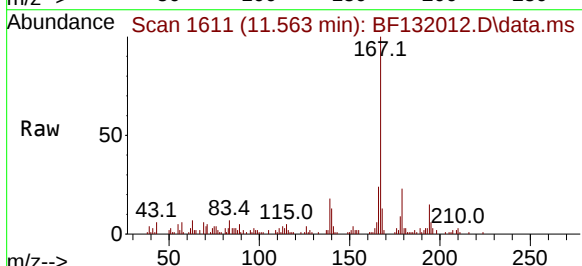
Tgt Ion:167 Resp: 19361

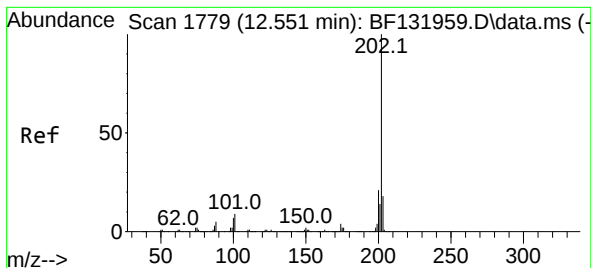
Ion Ratio Lower Upper

167 100

166 23.5 16.8 25.2

139 17.9 11.1 16.7#





#75

Fluoranthene

Concen: 51.943 ng

RT: 12.551 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF132012.D

Acq: 10 Jan 2023 23:40

Instrument :

BNA_F

ClientSampleId :

VNJ-228

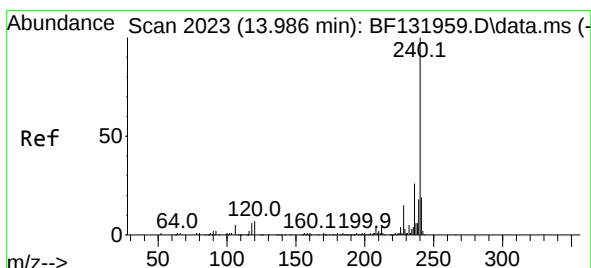
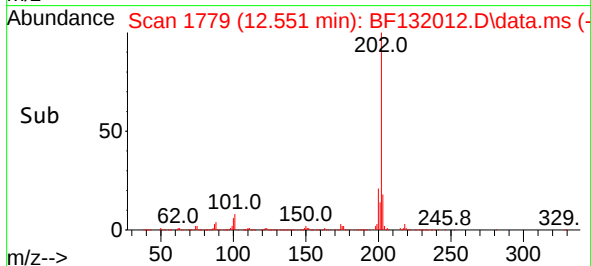
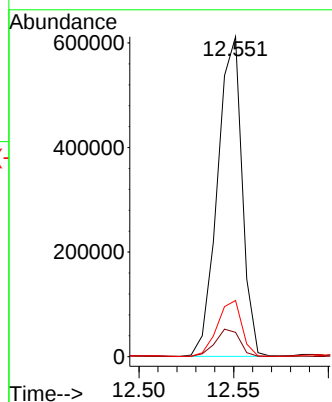
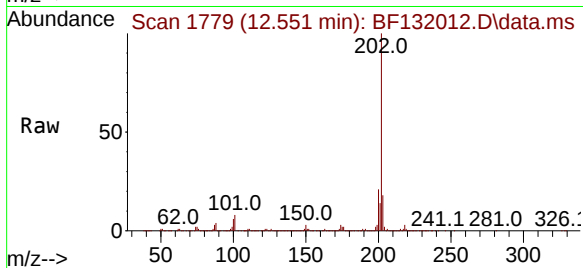
Tgt Ion:202 Resp: 552500

Ion Ratio Lower Upper

202 100

101 7.6 0.0 28.8

203 17.5 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.980 min Scan# 2022

Delta R.T. -0.006 min

Lab File: BF132012.D

Acq: 10 Jan 2023 23:40

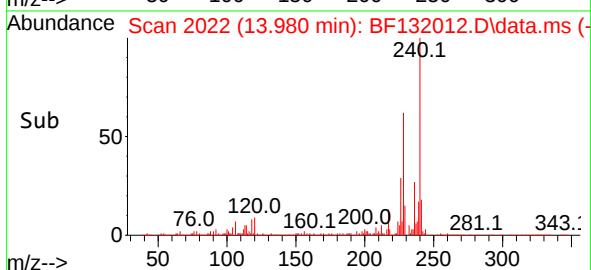
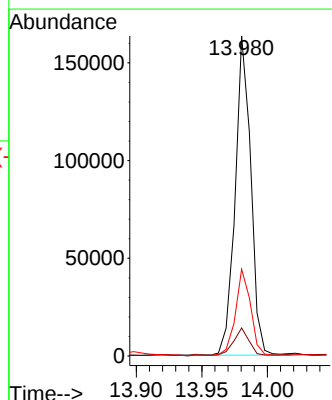
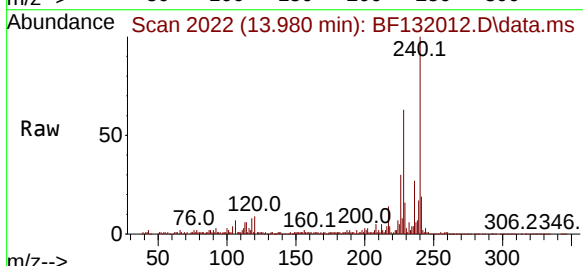
Tgt Ion:240 Resp: 135919

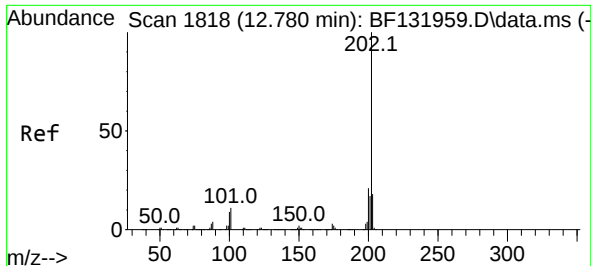
Ion Ratio Lower Upper

240 100

120 8.8 5.4 8.0#

236 27.1 21.1 31.7

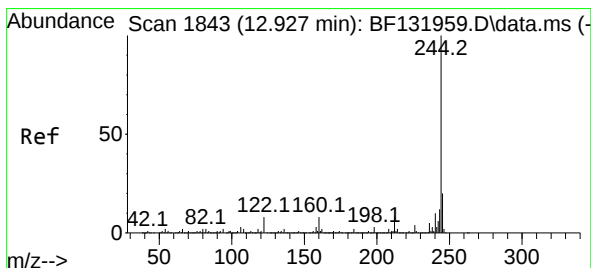
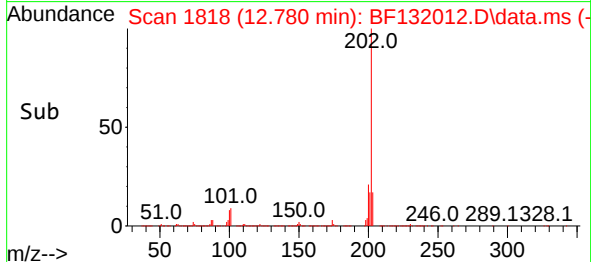
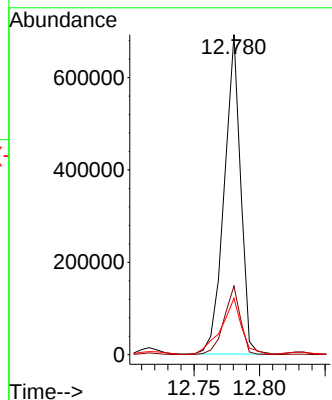
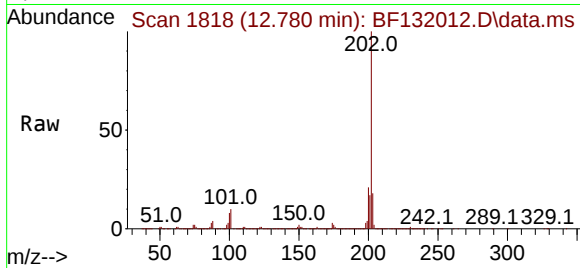




#78
Pyrene
Concen: 48.300 ng
RT: 12.780 min Scan# 1818
Delta R.T. -0.000 min
Lab File: BF132012.D
Acq: 10 Jan 2023 23:40

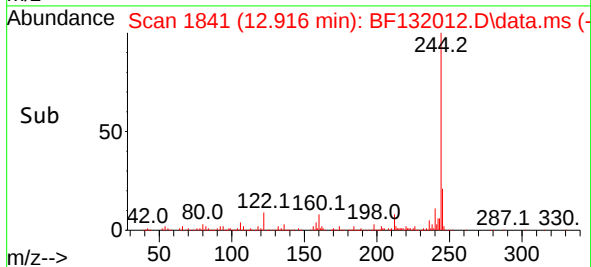
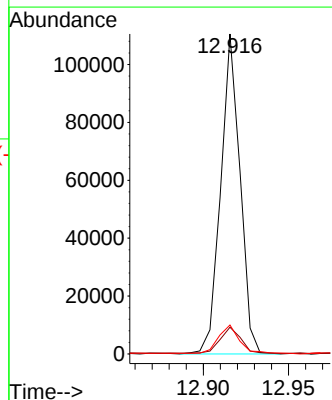
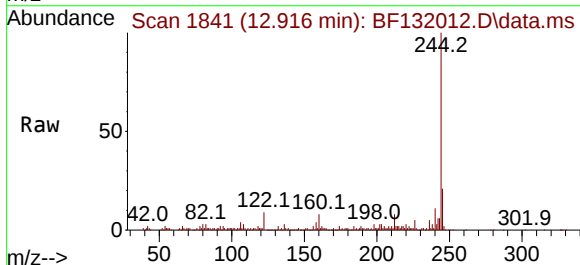
Instrument :
BNA_F
ClientSampleId :
VNJ-228

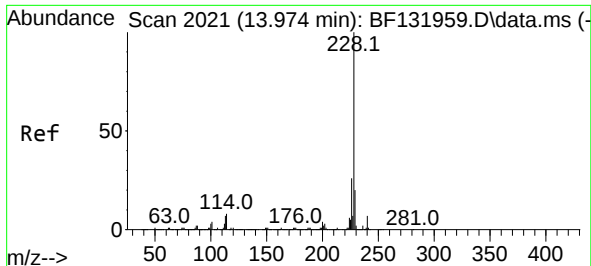
Tgt Ion:202 Resp: 598754
Ion Ratio Lower Upper
202 100
200 21.5 17.0 25.6
203 17.6 14.1 21.1



#79
Terphenyl-d14
Concen: 9.193 ng
RT: 12.916 min Scan# 1841
Delta R.T. -0.012 min
Lab File: BF132012.D
Acq: 10 Jan 2023 23:40

Tgt Ion:244 Resp: 87181
Ion Ratio Lower Upper
244 100
212 8.4 6.3 9.5
122 9.1 6.8 10.2

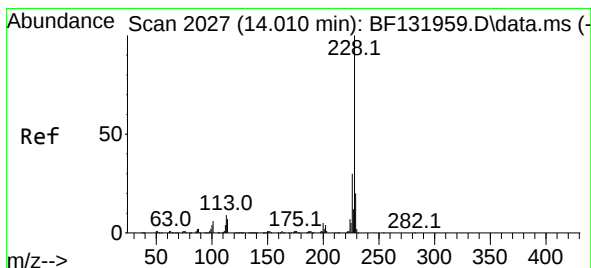
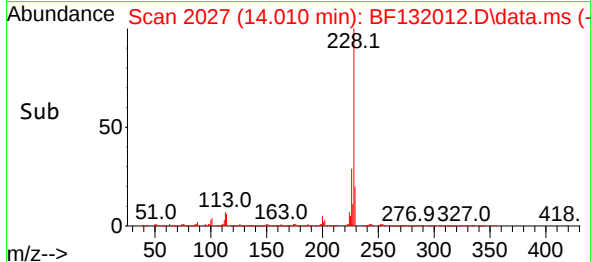
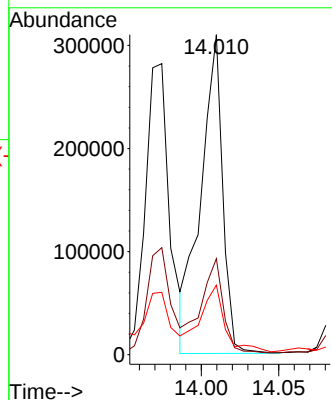
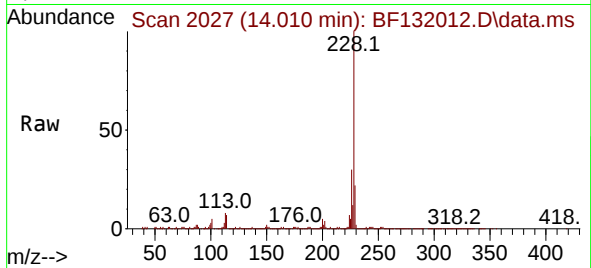




#81
Benzo(a)anthracene
Concen: 30.786 ng
RT: 14.010 min Scan# 20
Delta R.T. 0.035 min
Lab File: BF132012.D
Acq: 10 Jan 2023 23:40

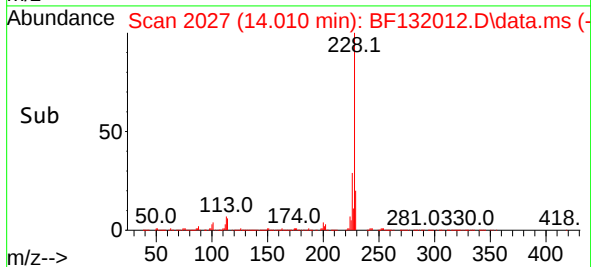
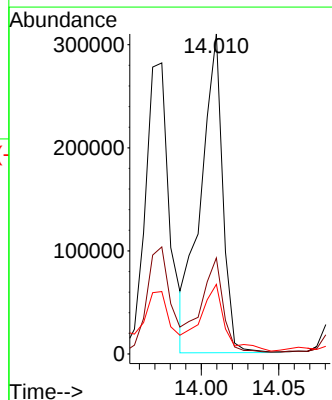
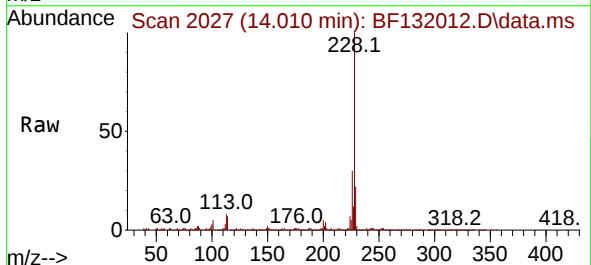
Instrument :
BNA_F
ClientSampleId :
VNJ-228

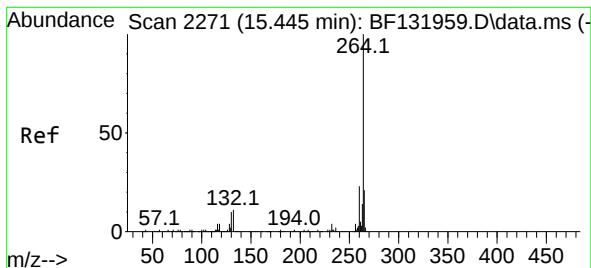
Tgt Ion:228 Resp: 304430
Ion Ratio Lower Upper
228 100
226 30.0 21.0 31.4
229 21.8 15.8 23.6



#83
Chrysene
Concen: 32.942 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.000 min
Lab File: BF132012.D
Acq: 10 Jan 2023 23:40

Tgt Ion:228 Resp: 304430
Ion Ratio Lower Upper
228 100
226 30.0 24.0 36.0
229 21.8 16.2 24.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF132012.D

Acq: 10 Jan 2023 23:40

Instrument :

BNA_F

ClientSampleId :

VNJ-228

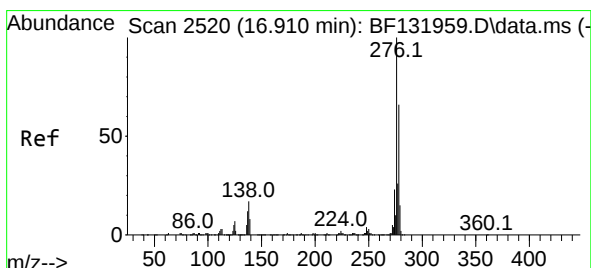
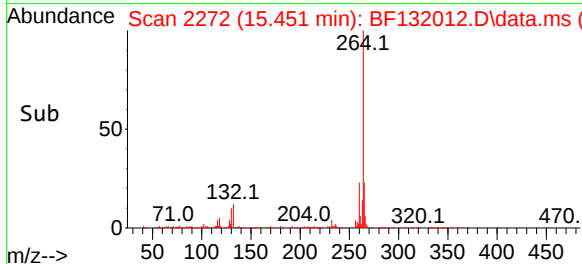
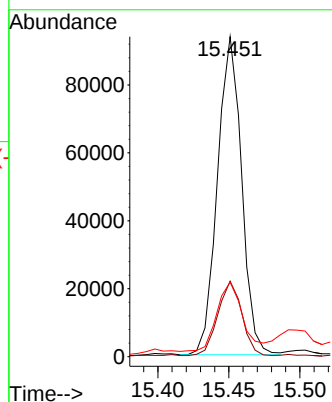
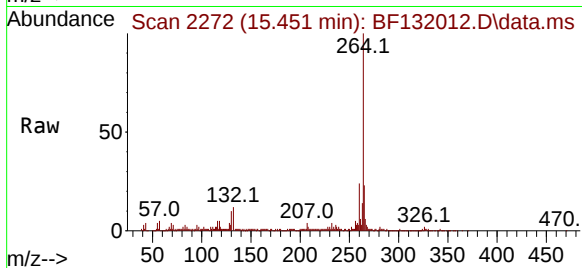
Tgt Ion:264 Resp: 110768

Ion Ratio Lower Upper

264 100

260 23.6 18.3 27.5

265 23.3 16.9 25.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 23.184 ng

RT: 16.915 min Scan# 2521

Delta R.T. 0.006 min

Lab File: BF132012.D

Acq: 10 Jan 2023 23:40

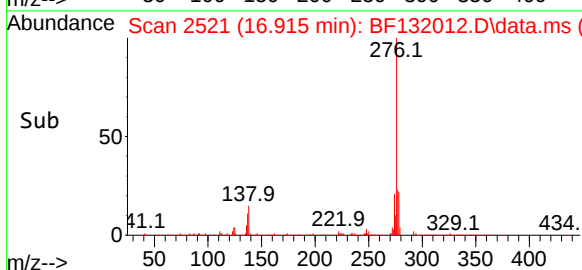
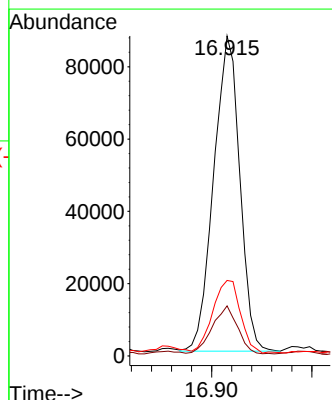
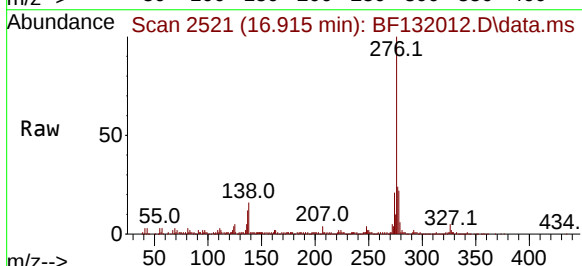
Tgt Ion:276 Resp: 157499

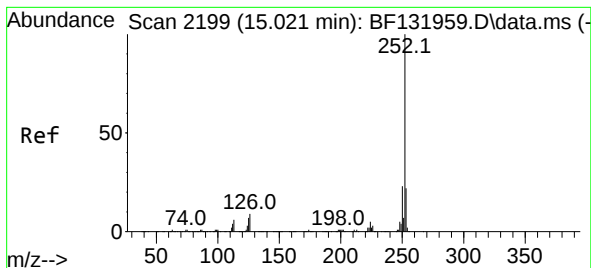
Ion Ratio Lower Upper

276 100

138 15.2 14.2 21.2

277 24.6 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 72.175 ng

RT: 15.027 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF132012.D

Acq: 10 Jan 2023 23:40

Instrument :

BNA_F

ClientSampleId :

VNJ-228

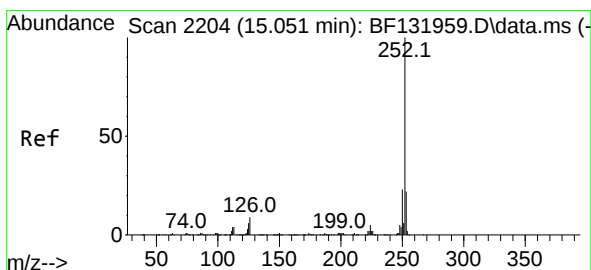
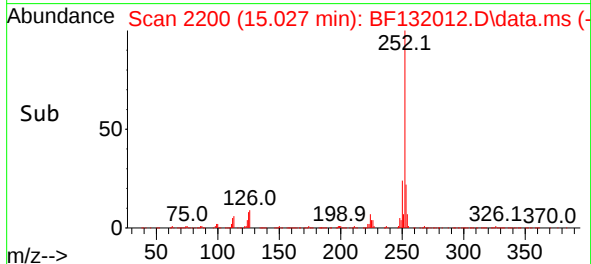
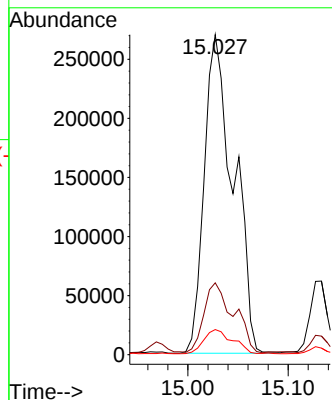
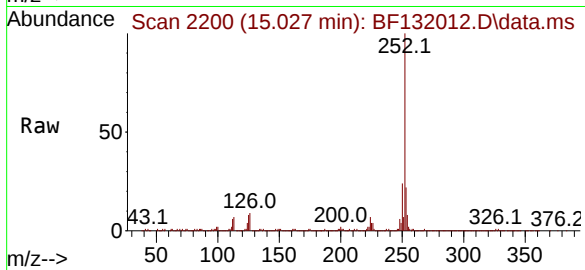
Tgt Ion:252 Resp: 548338

Ion Ratio Lower Upper

252 100

253 22.5 18.0 27.0

125 7.9 5.8 8.6



#89

Benzo(k)fluoranthene

Concen: 72.319 ng

RT: 15.027 min Scan# 2200

Delta R.T. -0.024 min

Lab File: BF132012.D

Acq: 10 Jan 2023 23:40

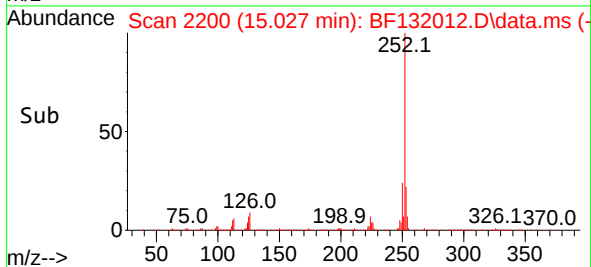
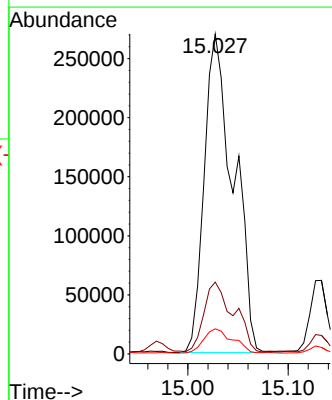
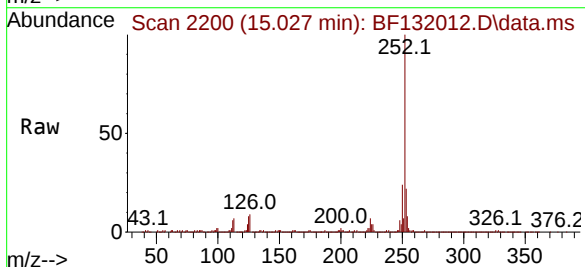
Tgt Ion:252 Resp: 548338

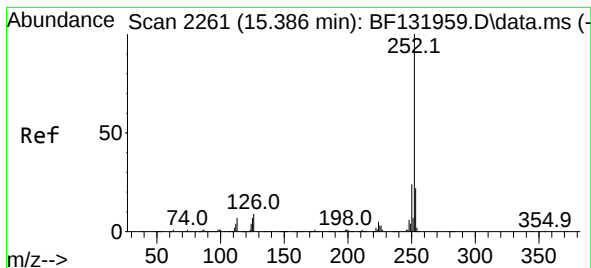
Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.6

125 7.9 5.2 7.8#





#90

Benzo(a)pyrene

Concen: 41.334 ng

RT: 15.392 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF132012.D

Acq: 10 Jan 2023 23:40

Instrument :

BNA_F

ClientSampleId :

VNJ-228

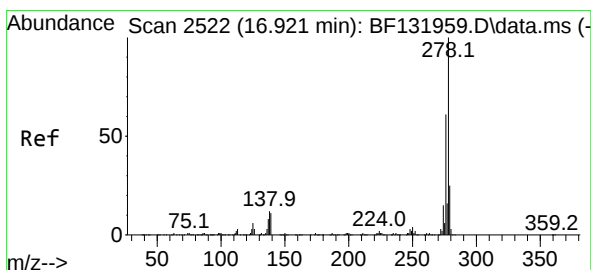
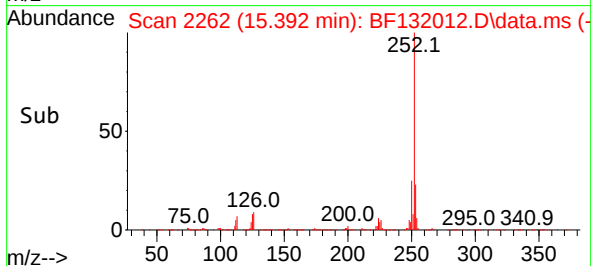
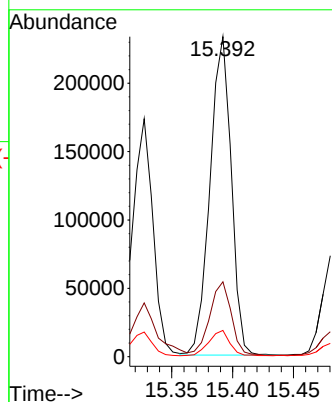
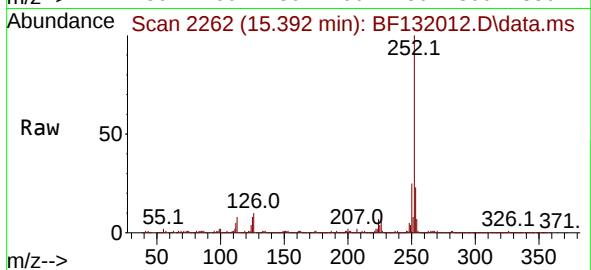
Tgt Ion:252 Resp: 282934

Ion Ratio Lower Upper

252 100

253 23.4 17.4 26.0

125 8.2 5.7 8.5



#91

Dibenzo(a,h)anthracene

Concen: 4.975 ng

RT: 17.086 min Scan# 2550

Delta R.T. 0.165 min

Lab File: BF132012.D

Acq: 10 Jan 2023 23:40

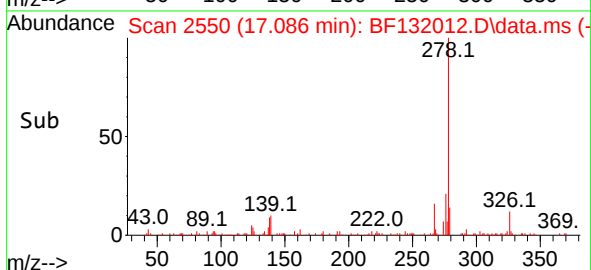
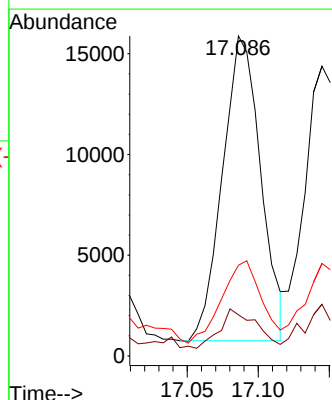
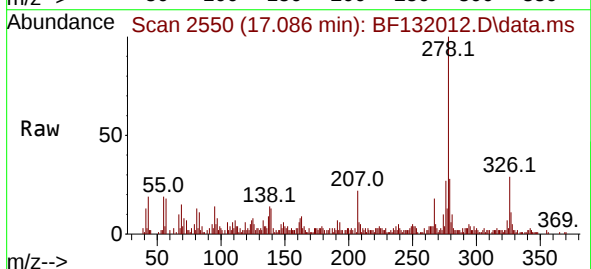
Tgt Ion:278 Resp: 28329

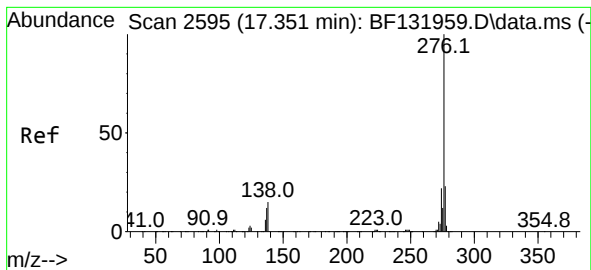
Ion Ratio Lower Upper

278 100

139 12.9 8.8 13.2

279 28.3 19.8 29.6





#92

Benzo(g,h,i)perylene

Concen: 25.844 ng

RT: 17.357 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF132012.D

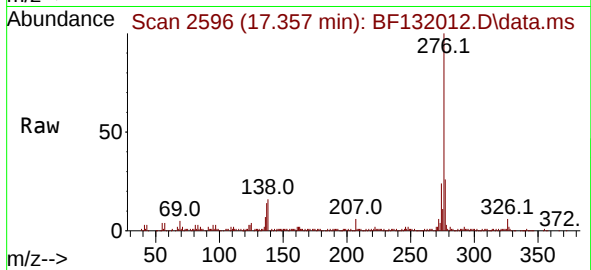
Acq: 10 Jan 2023 23:40

Instrument :

BNA_F

ClientSampleId :

VNJ-228



Tgt Ion:276 Resp: 146883

Ion Ratio Lower Upper

276 100

277 26.0 18.2 27.2

138 16.4 11.7 17.5

