

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010923\
 Data File : BF131977.D
 Acq On : 09 Jan 2023 22:39
 Operator : CG\JU
 Sample : 01065-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-210

Quant Time: Jan 10 03:15:27 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)

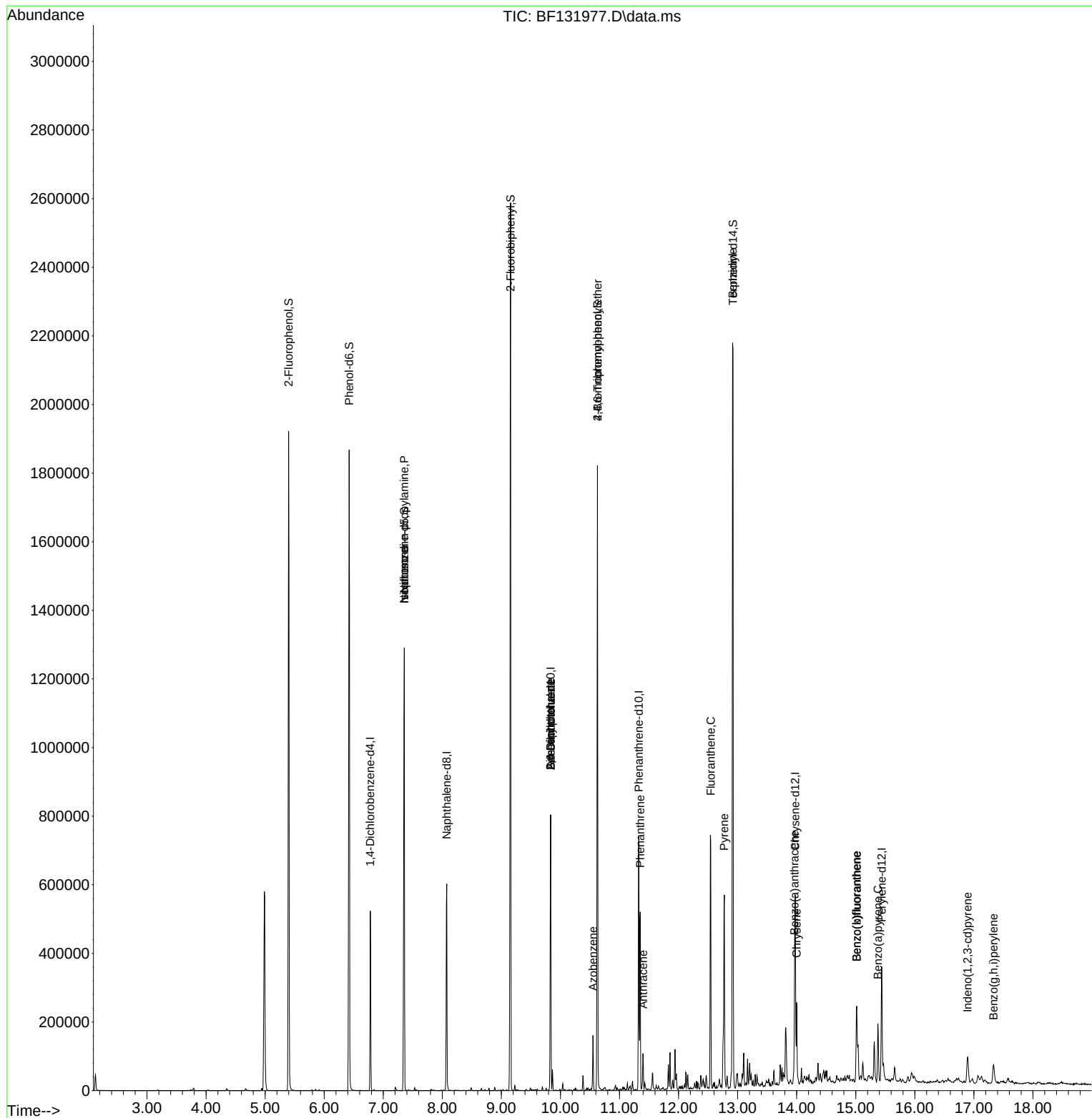
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	69348	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	250099	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	145392	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	272444	20.000	ng	0.00
76) Chrysene-d12	13.974	240	136701	20.000	ng	-0.01
86) Perylene-d12	15.439	264	149112	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	491934	116.889	ng	0.00
7) Phenol-d6	6.422	99	634180	113.651	ng	-0.01
23) Nitrobenzene-d5	7.357	82	446512	74.098	ng	-0.01
42) 2,4,6-Tribromophenol	10.627	330	175433	104.943	ng	-0.01
45) 2-Fluorobiphenyl	9.157	172	756631	70.253	ng	0.00
79) Terphenyl-d14	12.921	244	778311	81.604	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.357	70	61335	15.195	ng	# 79
25) Isophorone	7.357	82	442115	39.273	ng	# 69
50) Dimethylphthalate	9.833	163	29458	2.599	ng	# 1
51) 2,6-Dinitrotoluene	9.833	165	18301	7.678	ng	# 22
57) 2,4-Dinitrotoluene	9.833	165	18301	5.743	ng	# 13
63) Azobenzene	10.551	77	25495	2.157	ng	# 1
67) 4-Bromophenyl-phenylether	10.627	248	12000	3.521	ng	# 1
71) Phenanthrene	11.351	178	188269	13.256	ng	98
72) Anthracene	11.398	178	33143	2.267	ng	99
75) Fluoranthene	12.545	202	306272	19.175	ng	97
77) Benzidine	12.916	184	12036	2.650	ng	# 92
78) Pyrene	12.774	202	241642	19.381	ng	99
81) Benzo(a)anthracene	13.963	228	105303	10.588	ng	98
83) Chrysene	13.998	228	93577	10.068	ng	98
87) Indeno(1,2,3-cd)pyrene	16.892	276	49939	5.461	ng	99
88) Benzo(b)fluoranthene	15.015	252	160521	15.695	ng	100
89) Benzo(k)fluoranthene	15.015	252	160521	15.727	ng	99
90) Benzo(a)pyrene	15.374	252	79682	8.647	ng	98
92) Benzo(g,h,i)perylene	17.333	276	47376	8.873	ng	98

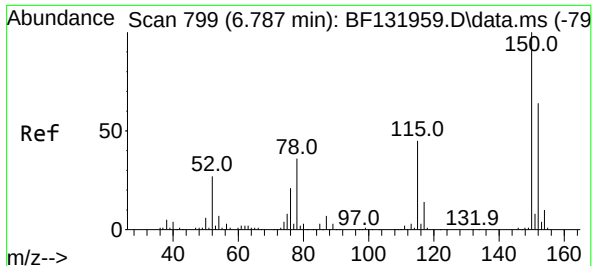
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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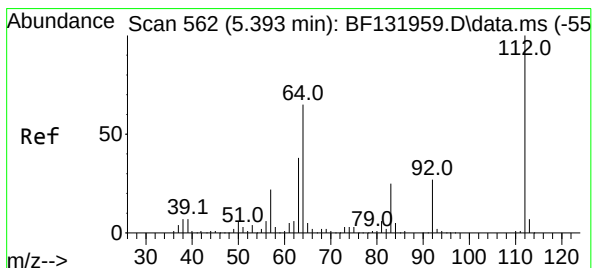
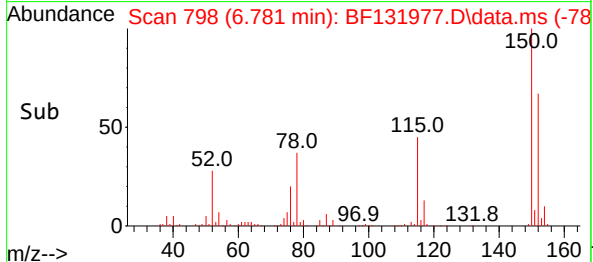
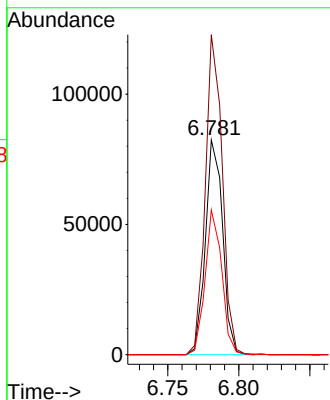
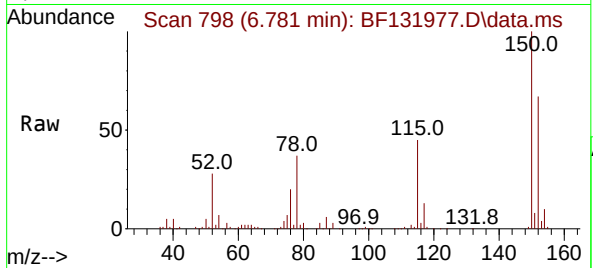




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.781 min Scan# 799
 Delta R.T. -0.006 min
 Lab File: BF131977.D
 Acq: 09 Jan 2023 22:39

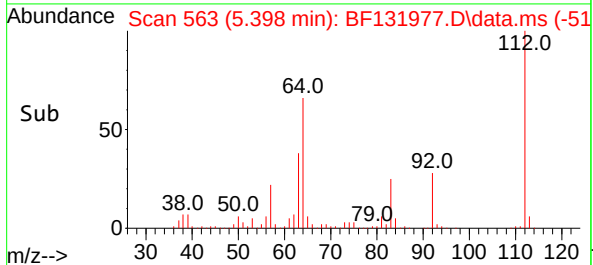
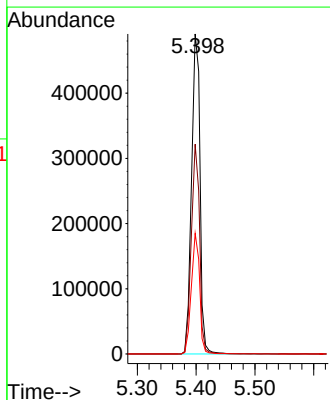
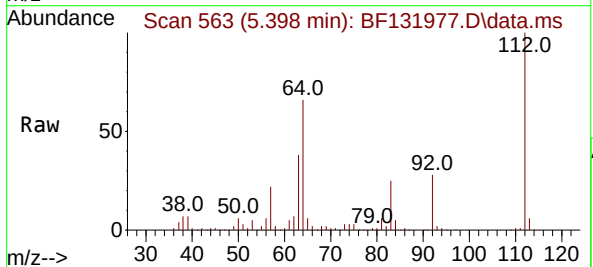
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-210

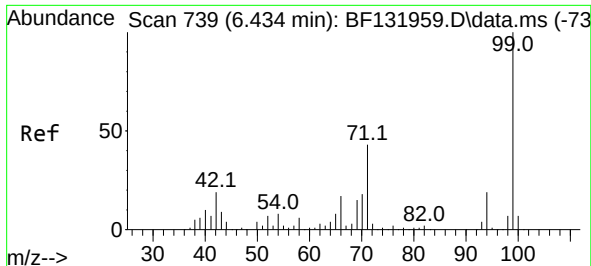
Tgt Ion:152 Resp: 69348
 Ion Ratio Lower Upper
 152 100
 150 149.0 124.6 186.8
 115 67.4 55.6 83.4



#5
 2-Fluorophenol
 Concen: 116.889 ng
 RT: 5.398 min Scan# 563
 Delta R.T. 0.006 min
 Lab File: BF131977.D
 Acq: 09 Jan 2023 22:39

Tgt Ion:112 Resp: 491934
 Ion Ratio Lower Upper
 112 100
 64 65.6 51.9 77.9
 63 37.7 30.2 45.2

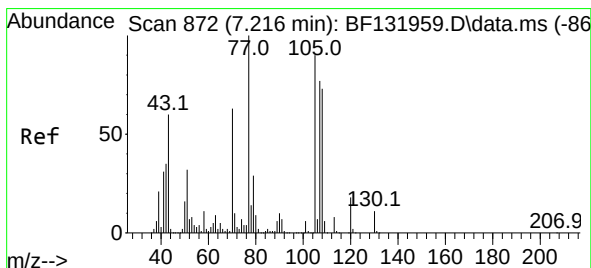
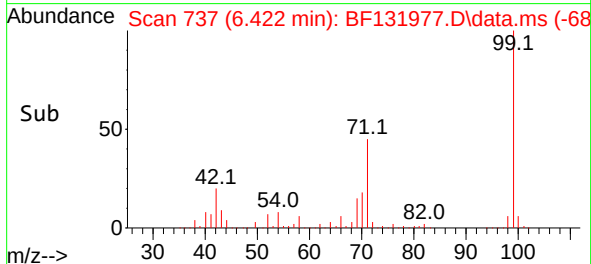
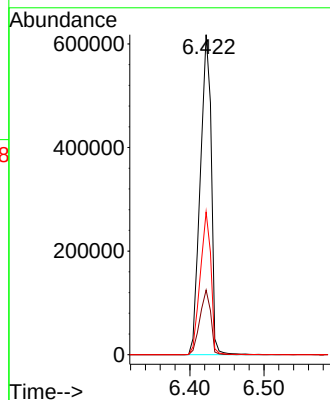
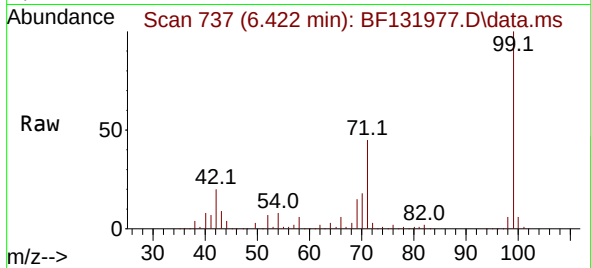




#7
Phenol-d6
Concen: 113.651 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF131977.D
Acq: 09 Jan 2023 22:39

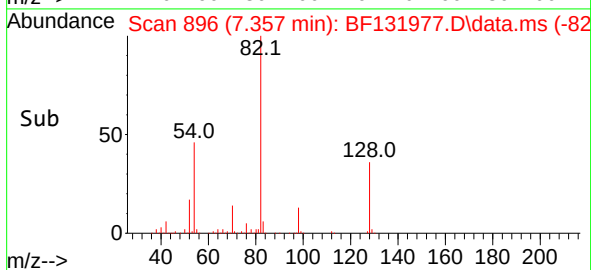
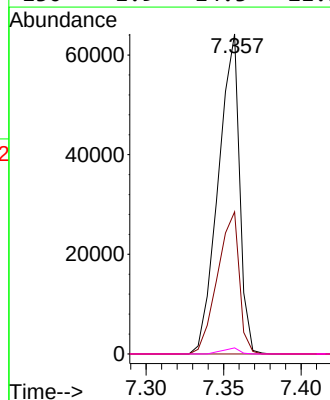
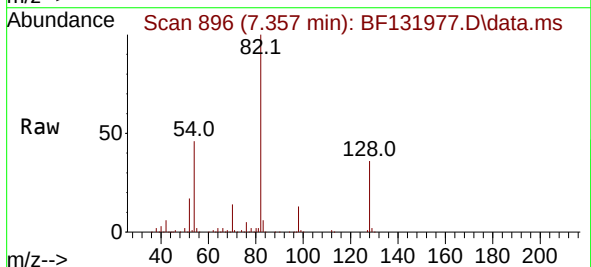
Instrument :
BNA_F
ClientSampleId :
VNJ-210

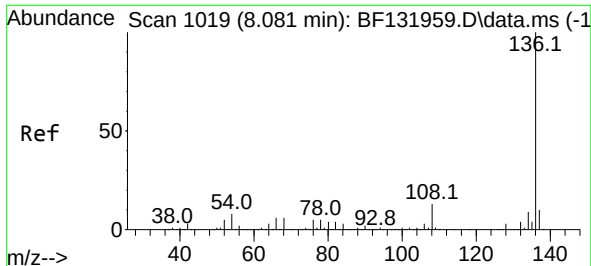
Tgt Ion: 99 Resp: 634180
Ion Ratio Lower Upper
99 100
42 20.2 15.4 23.2
71 44.6 34.6 51.8



#19
n-Nitroso-di-n-propylamine
Concen: 15.195 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.141 min
Lab File: BF131977.D
Acq: 09 Jan 2023 22:39

Tgt Ion: 70 Resp: 61335
Ion Ratio Lower Upper
70 100
42 44.4 44.3 66.5
101 0.0 7.5 11.3#
130 1.9 14.3 21.5#



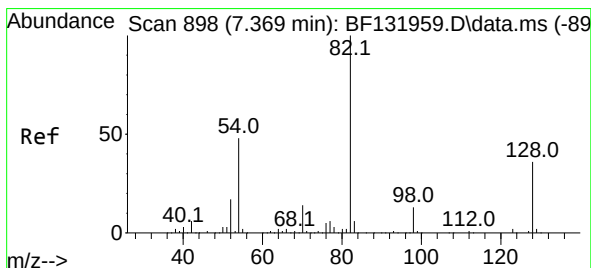
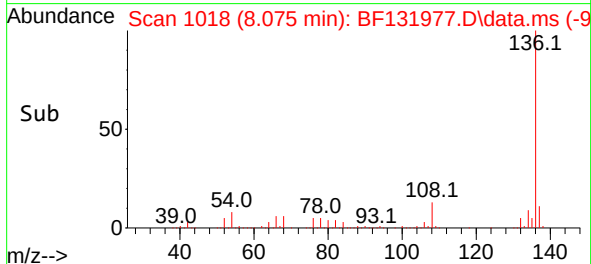
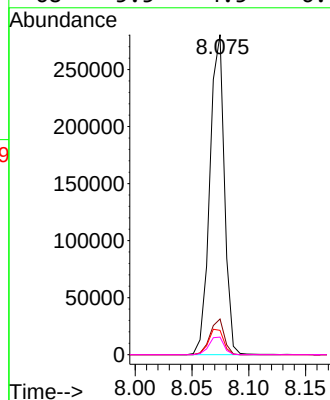
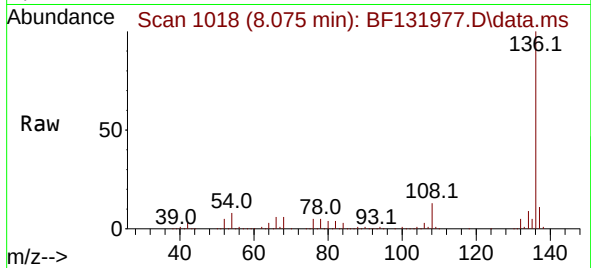


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF131977.D
Acq: 09 Jan 2023 22:39

Instrument :
BNA_F
ClientSampleId :
VNJ-210

Tgt Ion:136 Resp: 250099

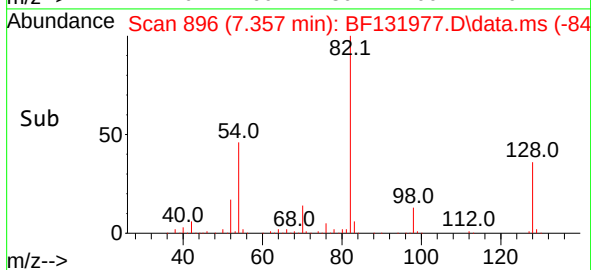
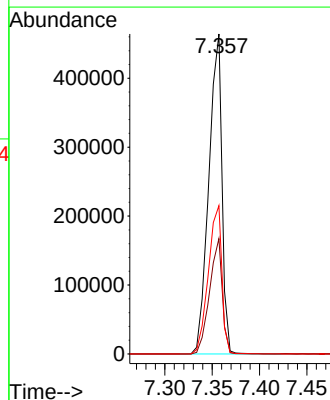
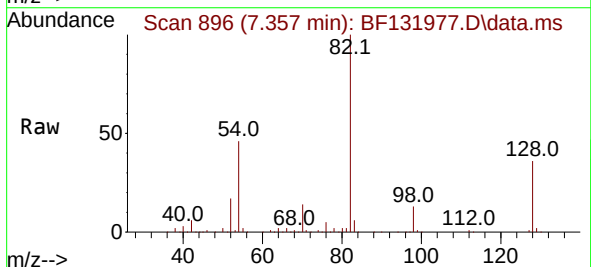
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.2	12.2
54	7.6	6.6	9.8
68	5.5	4.5	6.7

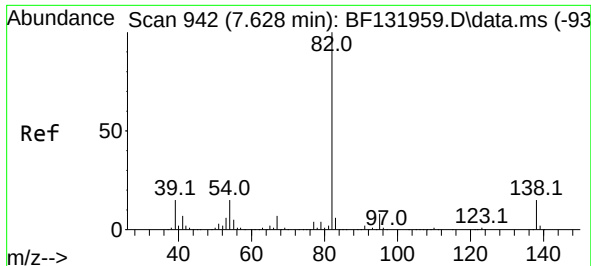


#23
Nitrobenzene-d5
Concen: 74.098 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF131977.D
Acq: 09 Jan 2023 22:39

Tgt Ion: 82 Resp: 446512

Ion	Ratio	Lower	Upper
82	100		
128	36.1	28.7	43.1
54	46.4	38.1	57.1

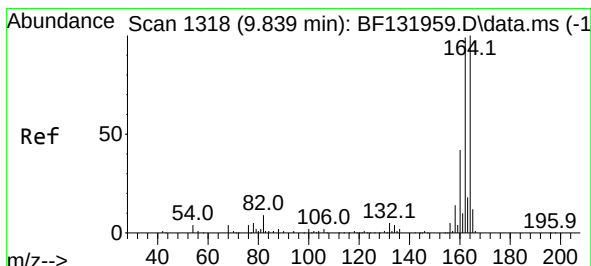
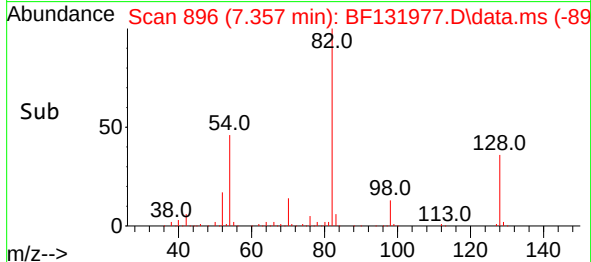
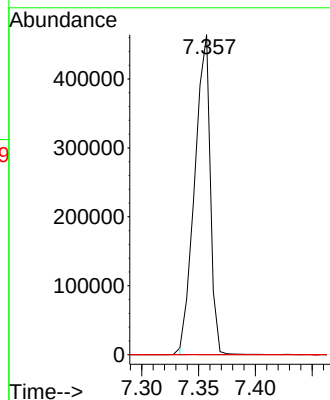
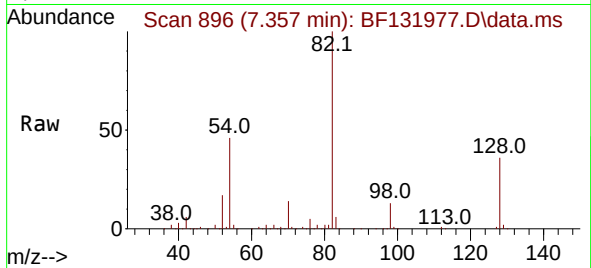




#25
Isophorone
Concen: 39.273 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.271 min
Lab File: BF131977.D
Acq: 09 Jan 2023 22:39

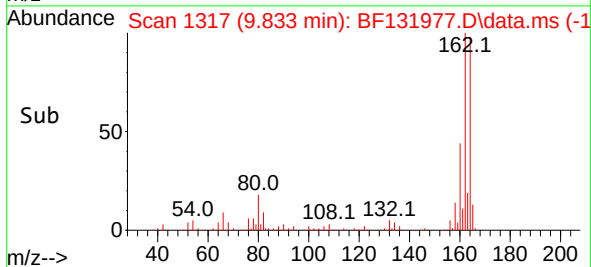
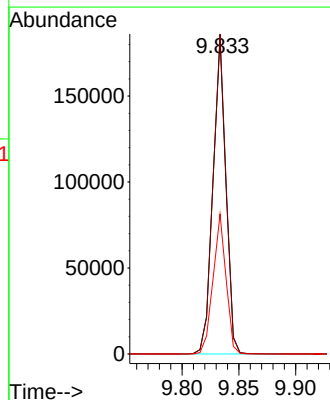
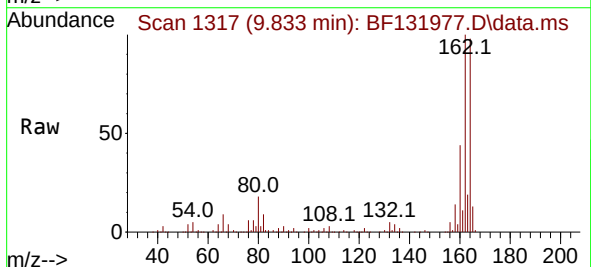
Instrument :
BNA_F
ClientSampleId :
VNJ-210

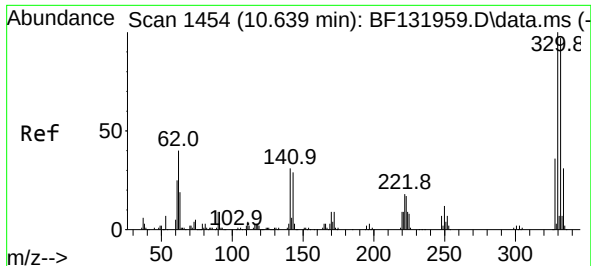
Tgt Ion: 82 Resp: 442115
Ion Ratio Lower Upper
82 100
95 0.0 6.5 9.7#
138 0.0 11.9 17.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF131977.D
Acq: 09 Jan 2023 22:39

Tgt Ion: 164 Resp: 145392
Ion Ratio Lower Upper
164 100
162 101.6 79.4 119.0
160 44.4 33.9 50.9





#42

2,4,6-Tribromophenol

Concen: 104.943 ng

RT: 10.627 min Scan# 1452

Delta R.T. -0.012 min

Lab File: BF131977.D

Acq: 09 Jan 2023 22:39

Instrument :

BNA_F

ClientSampleId :

VNJ-210

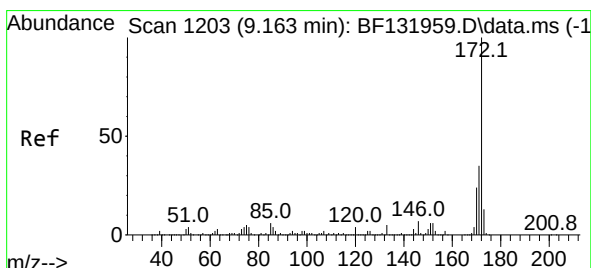
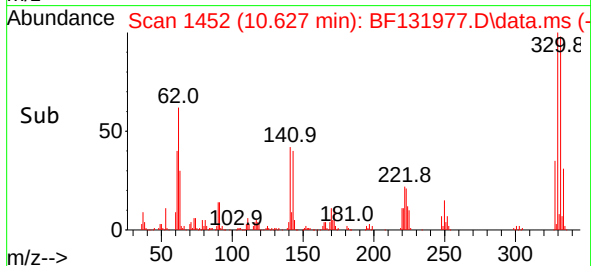
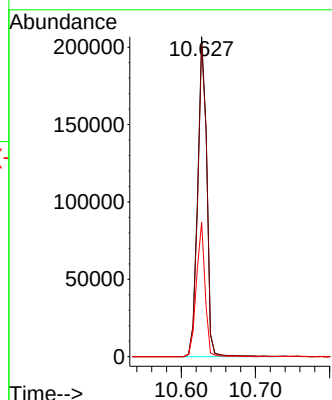
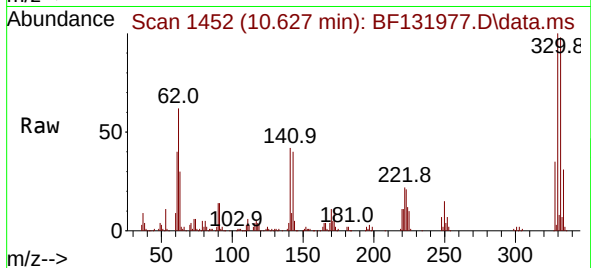
Tgt Ion:330 Resp: 175433

Ion Ratio Lower Upper

330 100

332 98.2 76.9 115.3

141 40.0 31.3 46.9



#45

2-Fluorobiphenyl

Concen: 70.253 ng

RT: 9.157 min Scan# 1202

Delta R.T. -0.006 min

Lab File: BF131977.D

Acq: 09 Jan 2023 22:39

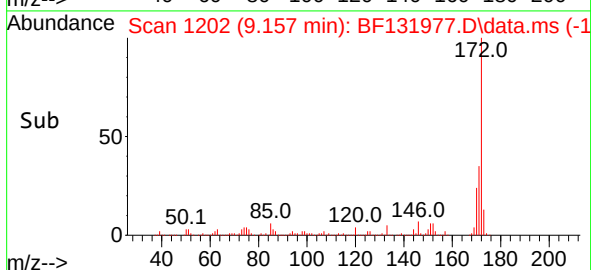
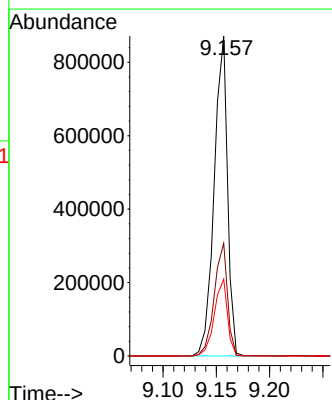
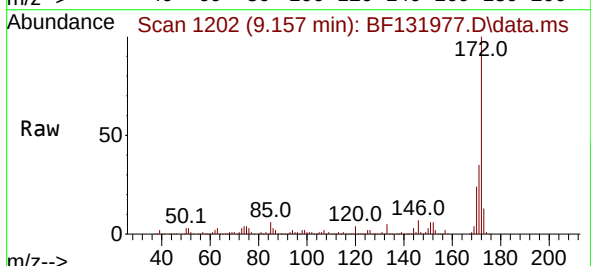
Tgt Ion:172 Resp: 756631

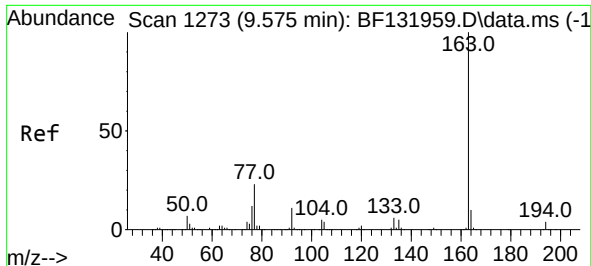
Ion Ratio Lower Upper

172 100

171 35.2 28.0 42.0

170 24.0 18.9 28.3

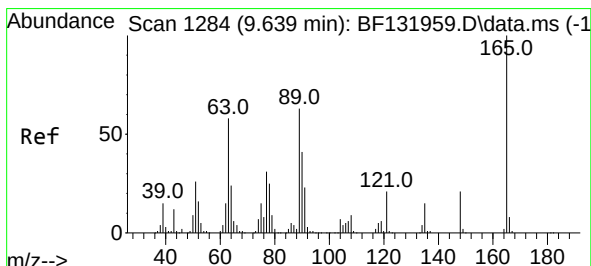
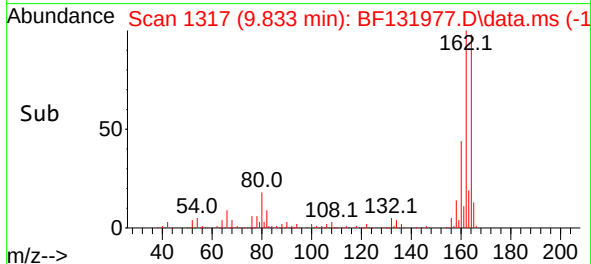
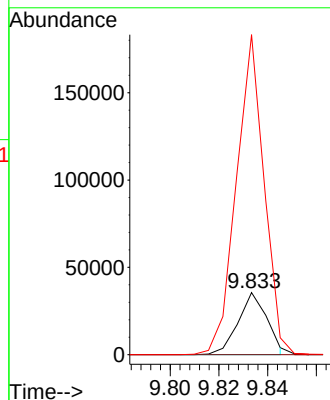
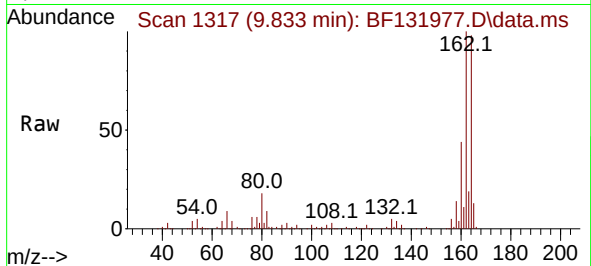




#50
Dimethylphthalate
Concen: 2.599 ng
RT: 9.833 min Scan# 11
Delta R.T. 0.259 min
Lab File: BF131977.D
Acq: 09 Jan 2023 22:39

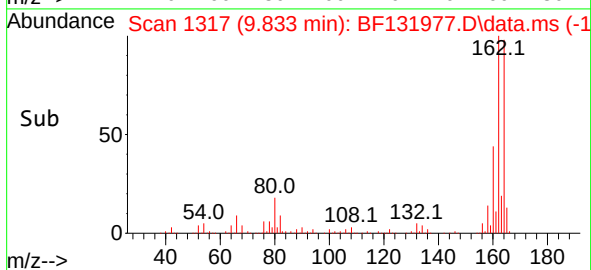
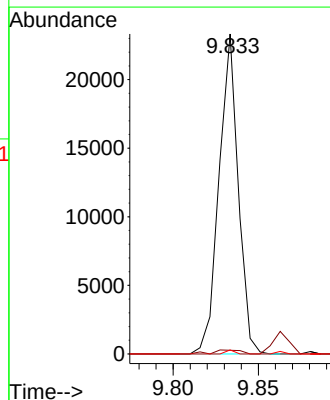
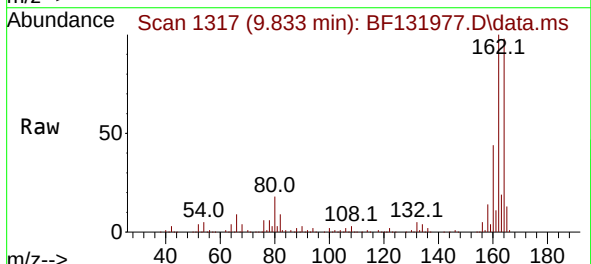
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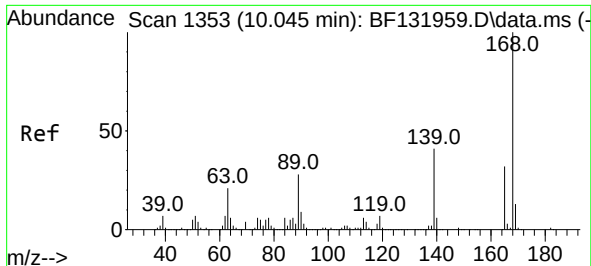
Tgt Ion:163 Resp: 29458
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 515.3 7.8 11.6#



#51
2,6-Dinitrotoluene
Concen: 7.678 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.194 min
Lab File: BF131977.D
Acq: 09 Jan 2023 22:39

Tgt Ion:165 Resp: 18301
Ion Ratio Lower Upper
165 100
63 1.1 47.4 71.0#
89 1.2 50.2 75.2#

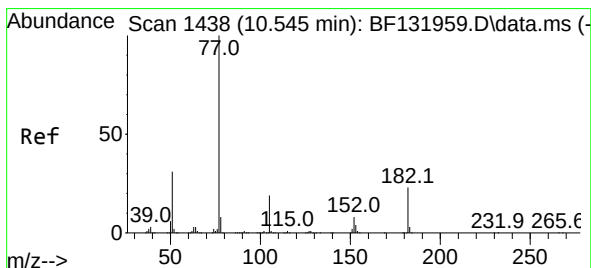
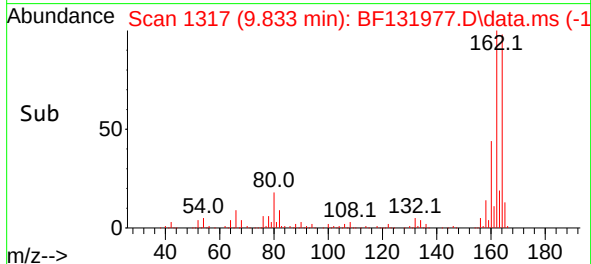
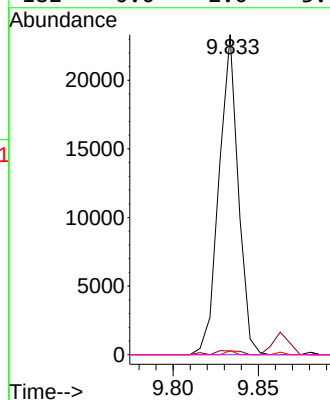
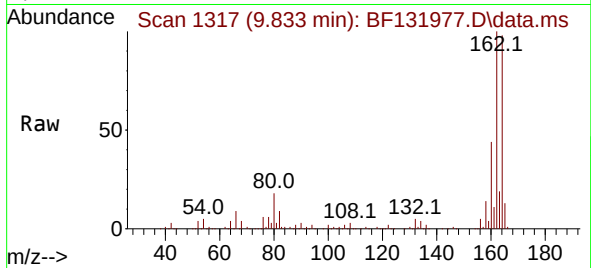




#57
2,4-Dinitrotoluene
Concen: 5.743 ng
RT: 9.833 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF131977.D
Acq: 09 Jan 2023 22:39

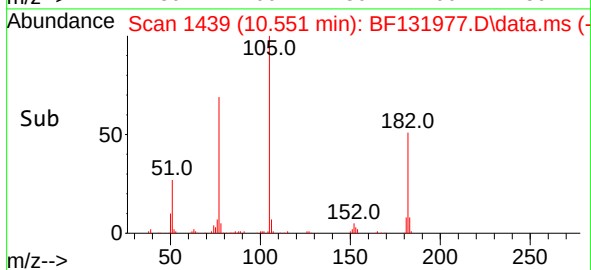
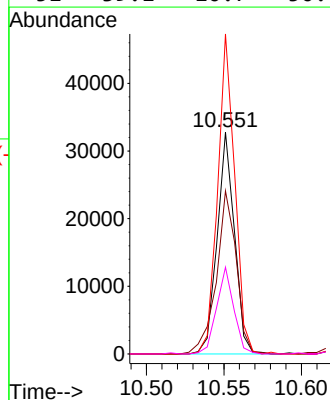
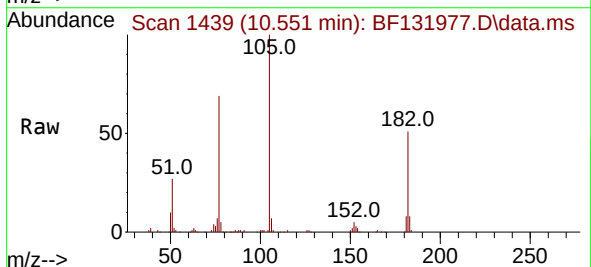
Instrument :
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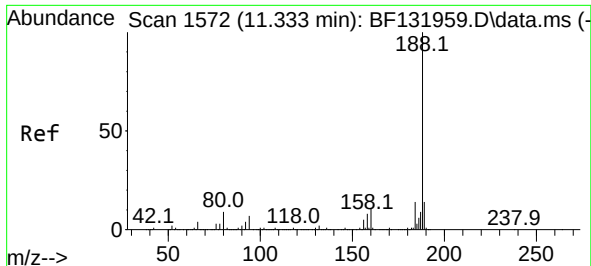
Tgt Ion:165 Resp: 18301
Ion Ratio Lower Upper
165 100
63 1.1 53.2 79.8#
89 1.2 71.2 106.8#
182 0.0 2.0 3.0#



#63
Azobenzene
Concen: 2.157 ng
RT: 10.551 min Scan# 1439
Delta R.T. 0.006 min
Lab File: BF131977.D
Acq: 09 Jan 2023 22:39

Tgt Ion: 77 Resp: 25495
Ion Ratio Lower Upper
77 100
182 73.5 2.9 42.9#
105 144.3 0.0 39.3#
51 39.1 10.7 50.7

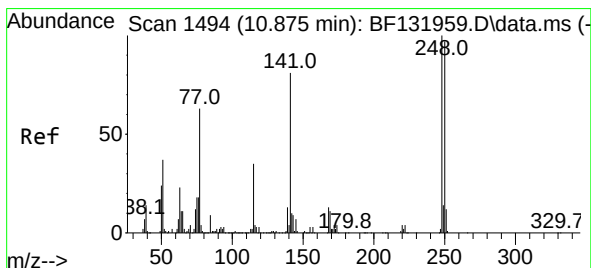
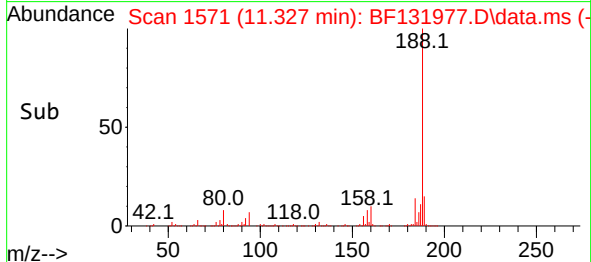
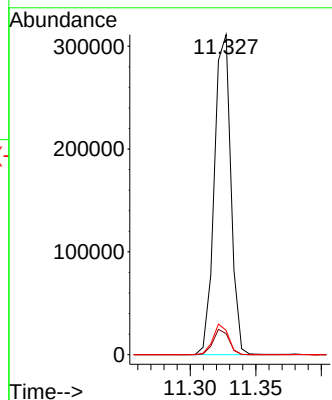
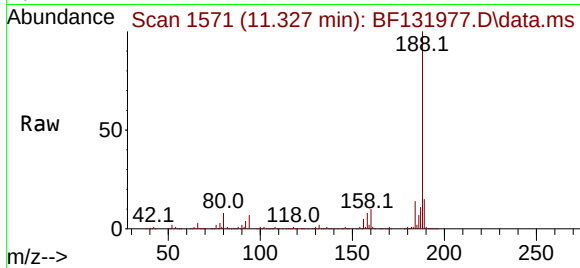




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131977.D
Acq: 09 Jan 2023 22:39

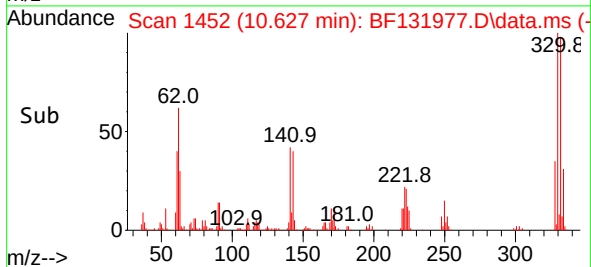
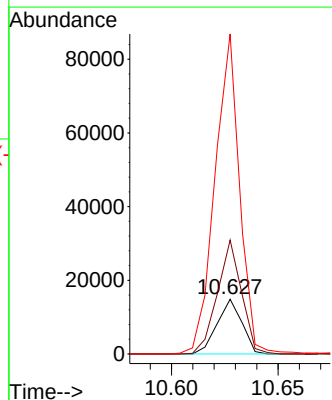
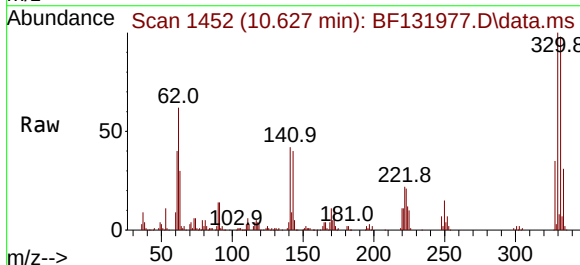
Instrument :
BNA_F
ClientSampleId :
VNJ-210

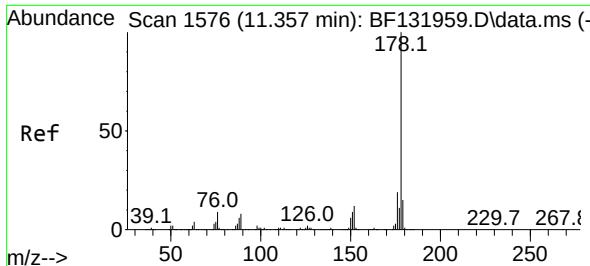
Tgt Ion:188 Resp: 272444
Ion Ratio Lower Upper
188 100
94 6.6 5.8 8.6
80 7.6 7.4 11.0



#67
4-Bromophenyl-phenylether
Concen: 3.521 ng
RT: 10.627 min Scan# 1452
Delta R.T. -0.247 min
Lab File: BF131977.D
Acq: 09 Jan 2023 22:39

Tgt Ion:248 Resp: 12000
Ion Ratio Lower Upper
248 100
250 208.0 77.4 116.2#
141 584.1 65.0 97.6#

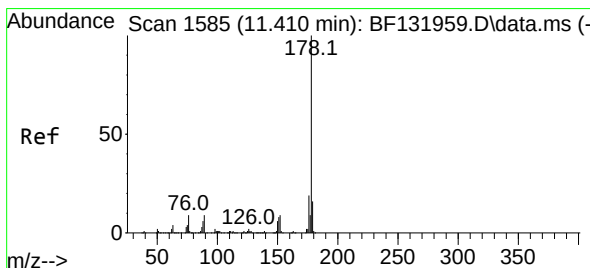
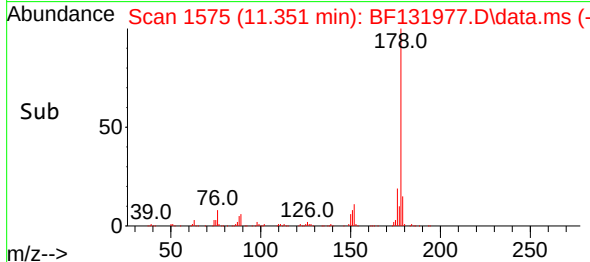
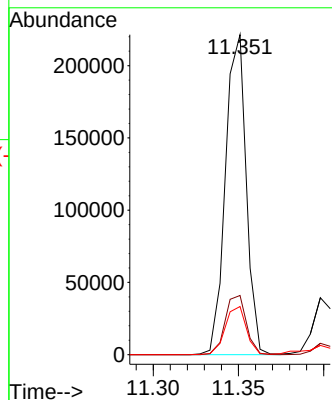
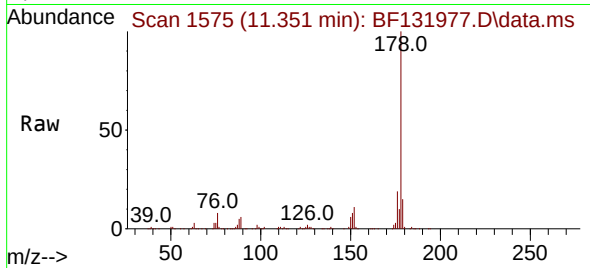




#71
Phenanthrene
Concen: 13.256 ng
RT: 11.351 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131977.D
Acq: 09 Jan 2023 22:39

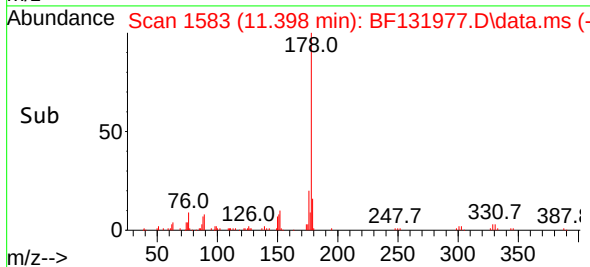
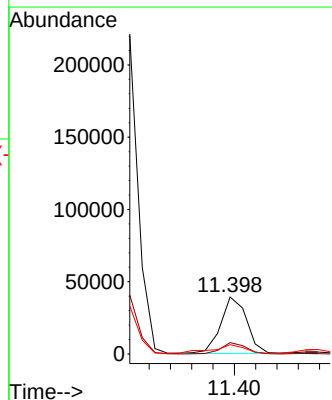
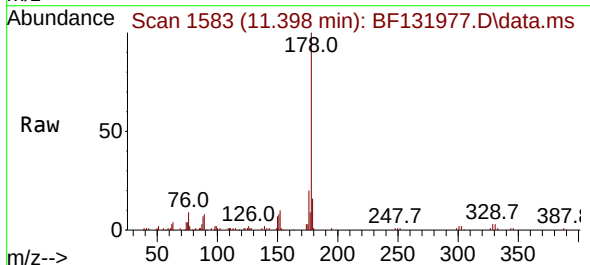
Instrument :
BNA_F
ClientSampleId :
VNJ-210

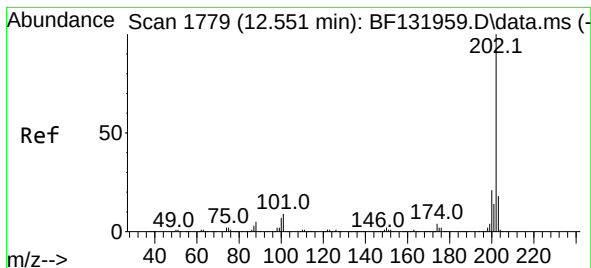
Tgt Ion:178 Resp: 188269
Ion Ratio Lower Upper
178 100
176 18.5 15.5 23.3
179 15.1 12.4 18.6



#72
Anthracene
Concen: 2.267 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.012 min
Lab File: BF131977.D
Acq: 09 Jan 2023 22:39

Tgt Ion:178 Resp: 33143
Ion Ratio Lower Upper
178 100
176 19.9 15.3 22.9
179 16.2 12.6 19.0





#75

Fluoranthene

Concen: 19.175 ng

RT: 12.545 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF131977.D

Acq: 09 Jan 2023 22:39

Instrument :

BNA_F

ClientSampleId :

VNJ-210

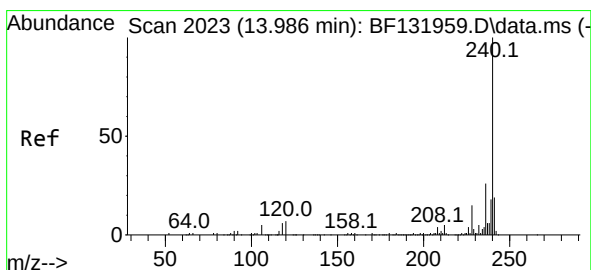
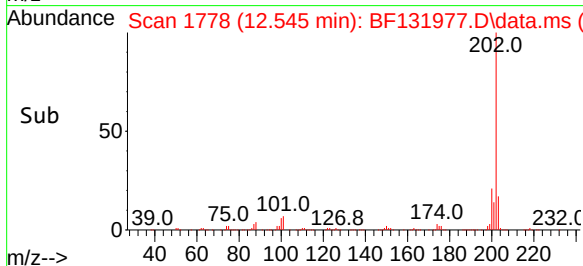
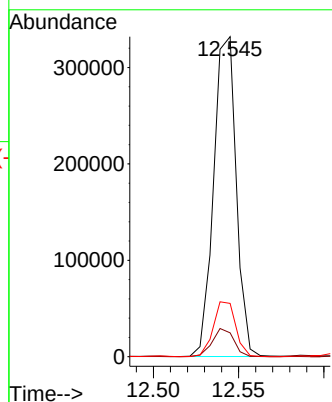
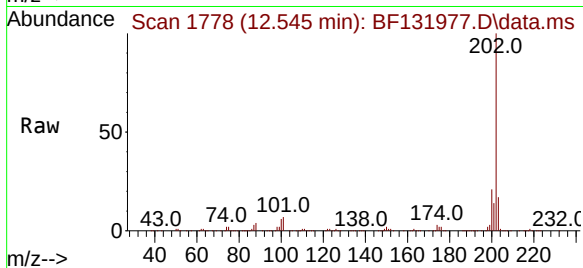
Tgt Ion:202 Resp: 306272

Ion Ratio Lower Upper

202 100

101 7.4 0.0 28.8

203 16.6 0.0 37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 2021

Delta R.T. -0.012 min

Lab File: BF131977.D

Acq: 09 Jan 2023 22:39

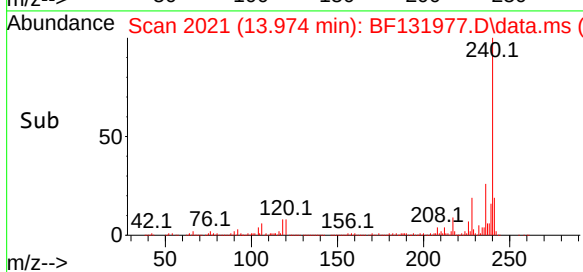
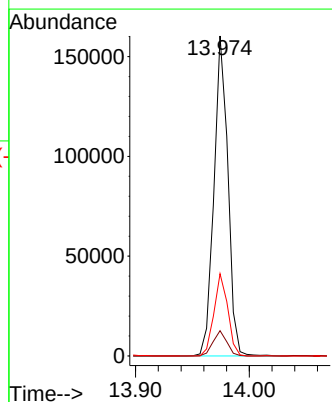
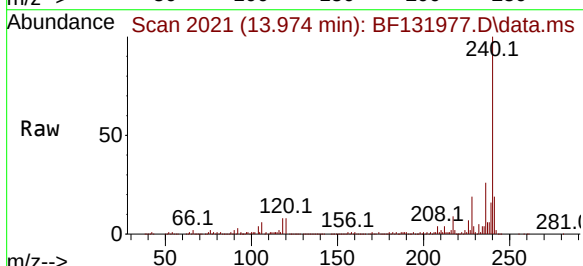
Tgt Ion:240 Resp: 136701

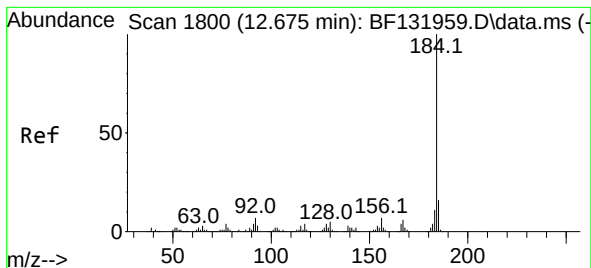
Ion Ratio Lower Upper

240 100

120 7.9 5.4 8.0

236 25.7 21.1 31.7





#77

Benzidine

Concen: 2.650 ng

RT: 12.916 min Scan# 1841

Delta R.T. 0.241 min

Lab File: BF131977.D

Acq: 09 Jan 2023 22:39

Instrument :

BNA_F

ClientSampleId :

VNJ-210

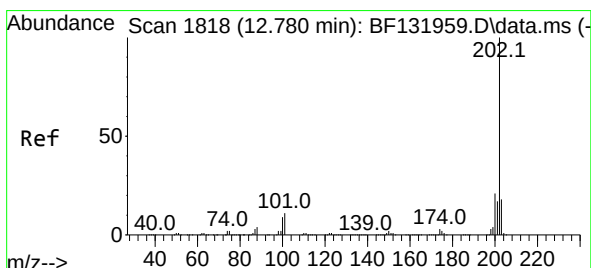
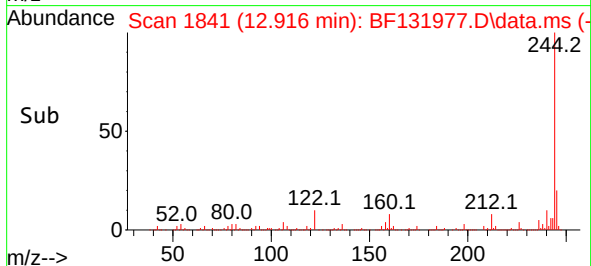
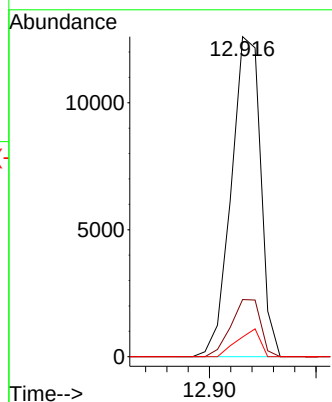
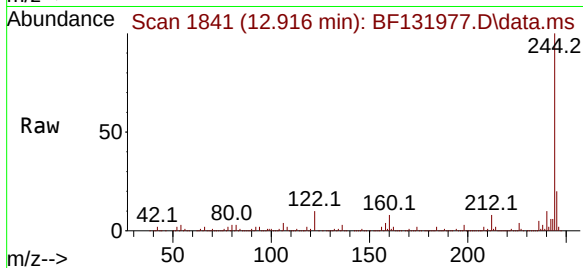
Tgt Ion:184 Resp: 12036

Ion Ratio Lower Upper

184 100

185 17.9 12.8 19.2

183 6.1 9.0 13.4#



#78

Pyrene

Concen: 19.381 ng

RT: 12.774 min Scan# 1817

Delta R.T. -0.006 min

Lab File: BF131977.D

Acq: 09 Jan 2023 22:39

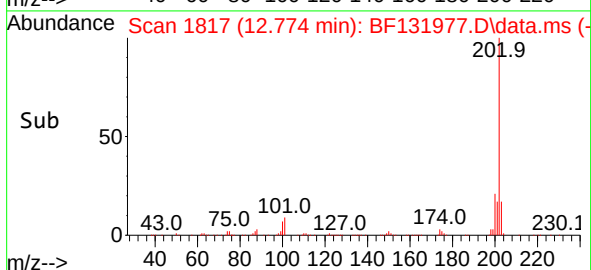
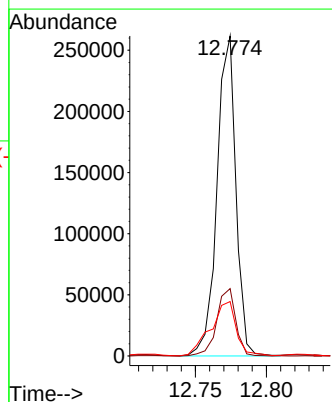
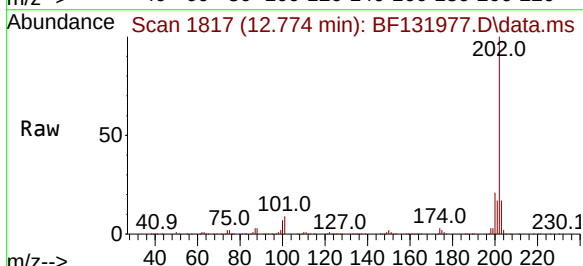
Tgt Ion:202 Resp: 241642

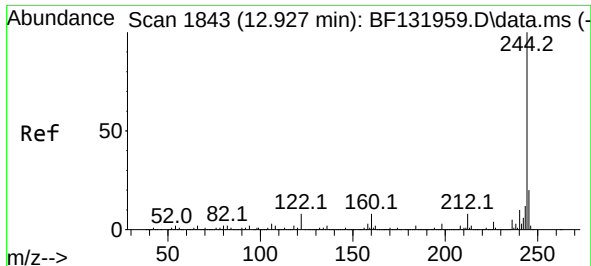
Ion Ratio Lower Upper

202 100

200 21.0 17.0 25.6

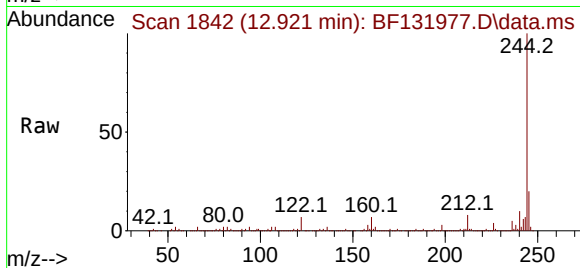
203 17.0 14.1 21.1



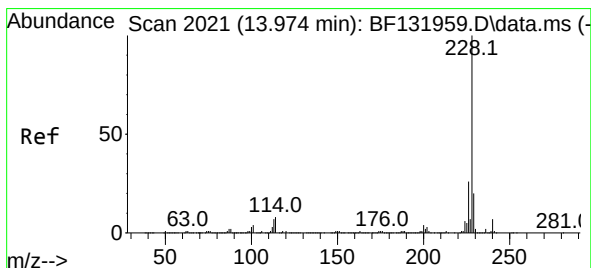
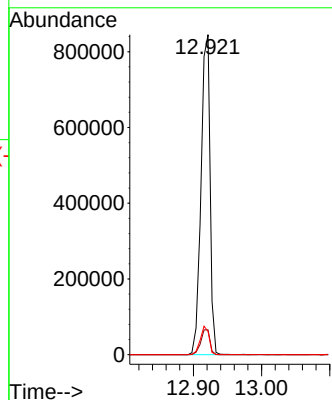
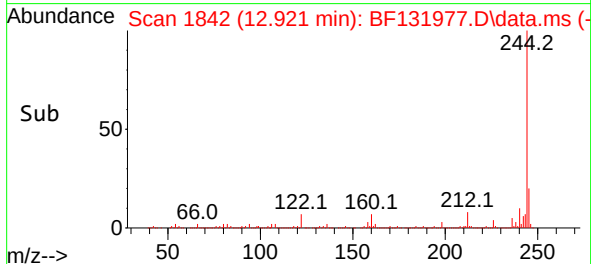


#79
 Terphenyl-d14
 Concen: 81.604 ng
 RT: 12.921 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF131977.D
 Acq: 09 Jan 2023 22:39

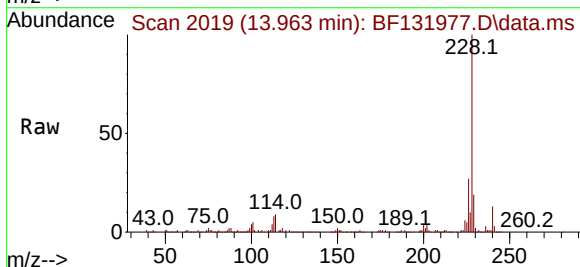
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-210



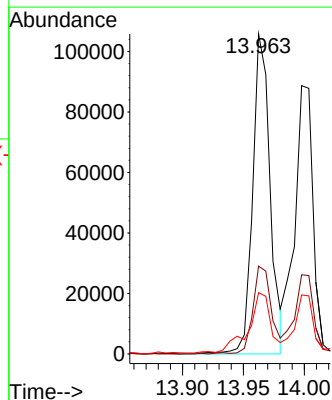
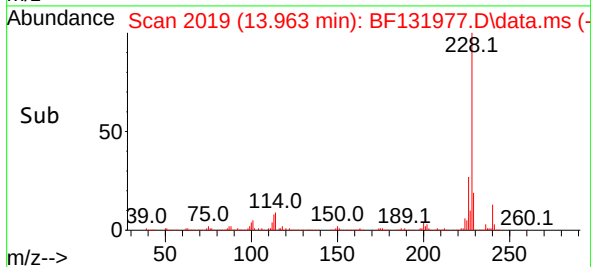
Tgt Ion:244 Resp: 778311
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.3 9.5
 122 7.2 6.8 10.2

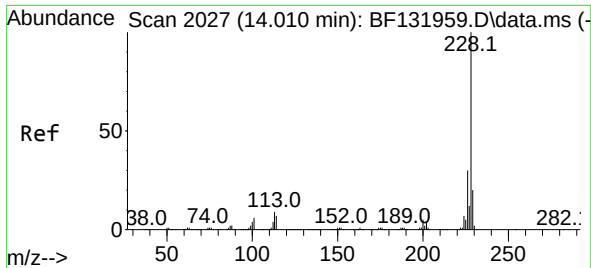


#81
 Benzo(a)anthracene
 Concen: 10.588 ng
 RT: 13.963 min Scan# 2019
 Delta R.T. -0.012 min
 Lab File: BF131977.D
 Acq: 09 Jan 2023 22:39



Tgt Ion:228 Resp: 105303
 Ion Ratio Lower Upper
 228 100
 226 27.4 21.0 31.4
 229 19.2 15.8 23.6

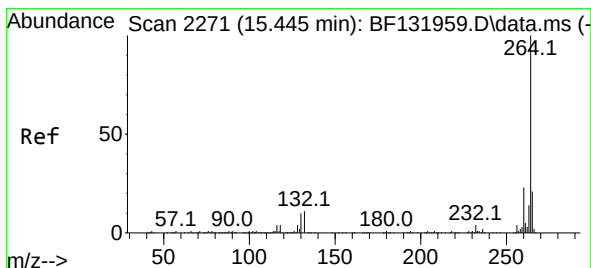
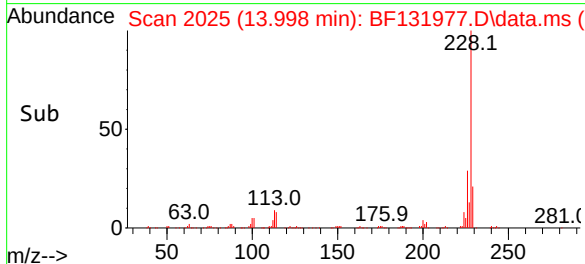
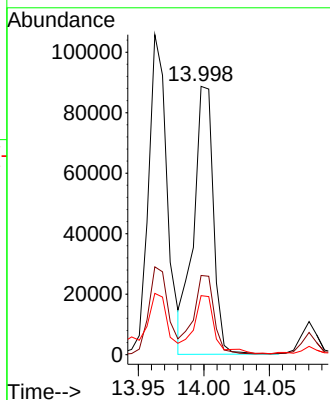
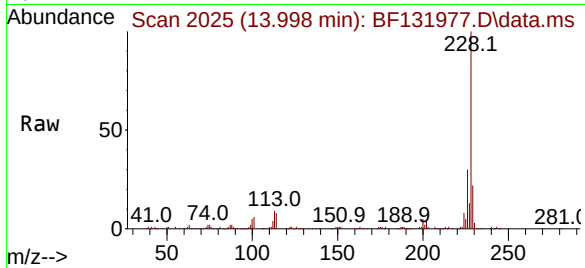




#83
Chrysene
Concen: 10.068 ng
RT: 13.998 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF131977.D
Acq: 09 Jan 2023 22:39

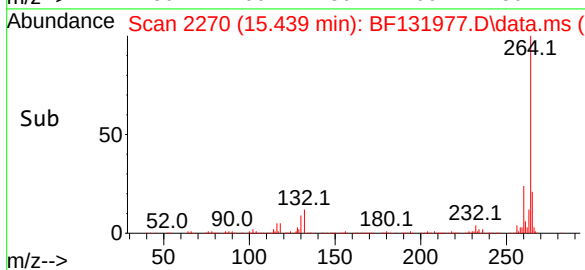
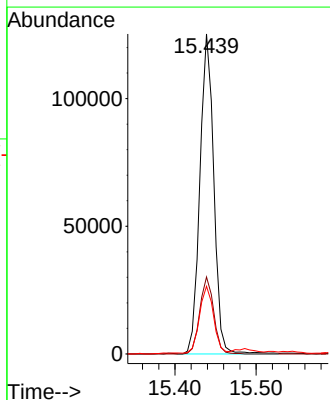
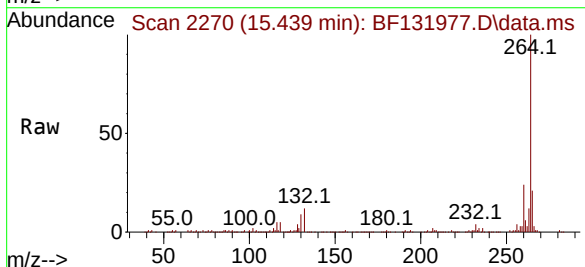
Instrument :
BNA_F
ClientSampleId :
VNJ-210

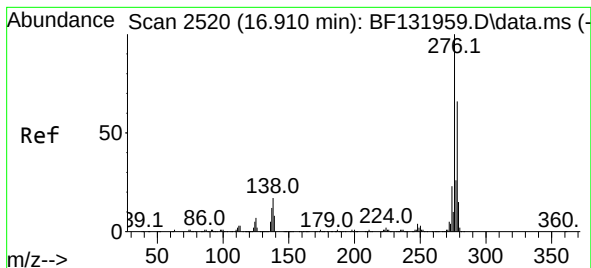
Tgt Ion:228 Resp: 93577
Ion Ratio Lower Upper
228 100
226 29.5 24.0 36.0
229 22.0 16.2 24.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2270
Delta R.T. -0.006 min
Lab File: BF131977.D
Acq: 09 Jan 2023 22:39

Tgt Ion:264 Resp: 149112
Ion Ratio Lower Upper
264 100
260 24.0 18.3 27.5
265 21.1 16.9 25.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.461 ng

RT: 16.892 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF131977.D

Acq: 09 Jan 2023 22:39

Instrument :

BNA_F

ClientSampleId :

VNJ-210

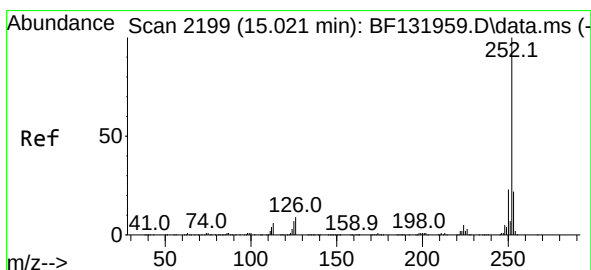
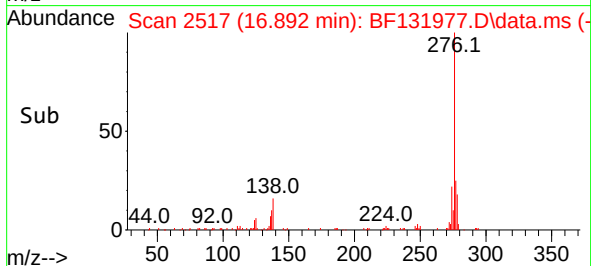
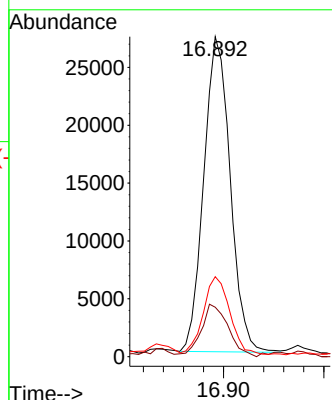
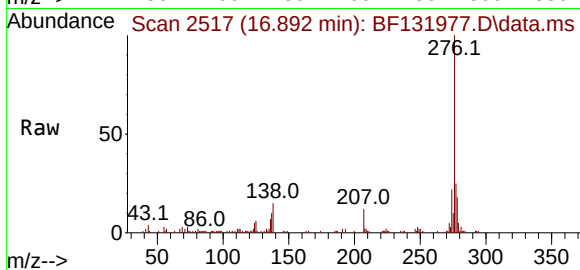
Tgt Ion:276 Resp: 49939

Ion Ratio Lower Upper

276 100

138 17.0 14.2 21.2

277 24.9 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 15.695 ng

RT: 15.015 min Scan# 2198

Delta R.T. -0.006 min

Lab File: BF131977.D

Acq: 09 Jan 2023 22:39

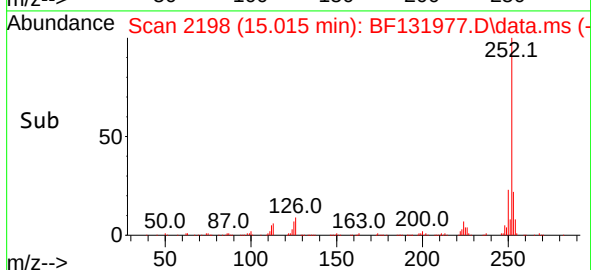
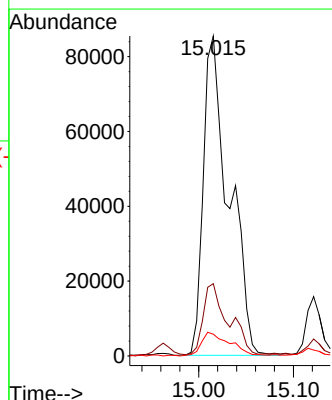
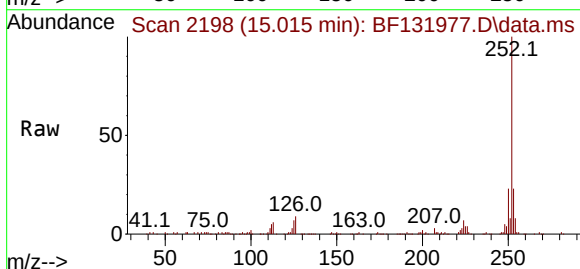
Tgt Ion:252 Resp: 160521

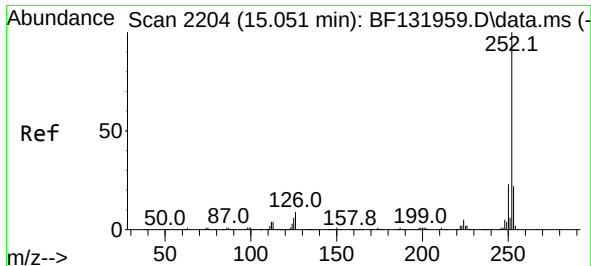
Ion Ratio Lower Upper

252 100

253 22.6 18.0 27.0

125 6.8 5.8 8.6





#89

Benzo(k)fluoranthene

Concen: 15.727 ng

RT: 15.015 min Scan# 2198

Delta R.T. -0.035 min

Lab File: BF131977.D

Acq: 09 Jan 2023 22:39

Instrument :

BNA_F

ClientSampleId :

VNJ-210

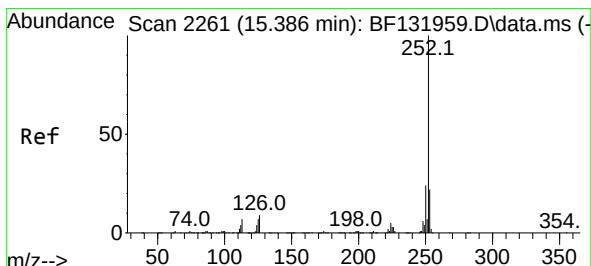
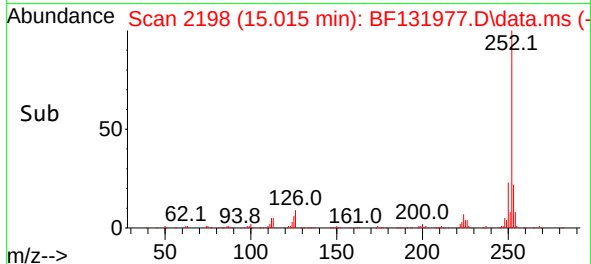
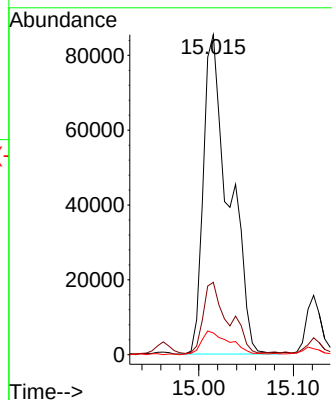
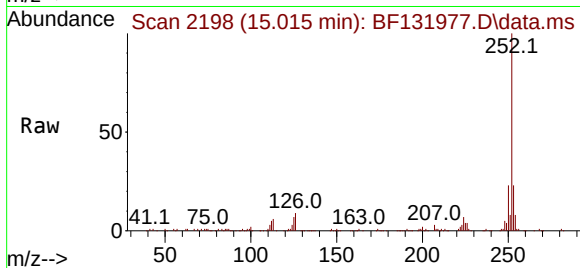
Tgt Ion:252 Resp: 160521

Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.6

125 6.8 5.2 7.8



#90

Benzo(a)pyrene

Concen: 8.647 ng

RT: 15.374 min Scan# 2259

Delta R.T. -0.012 min

Lab File: BF131977.D

Acq: 09 Jan 2023 22:39

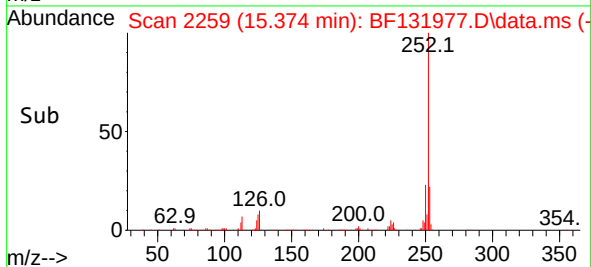
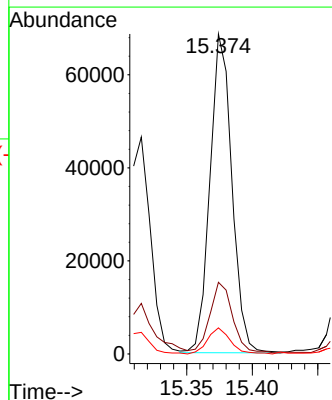
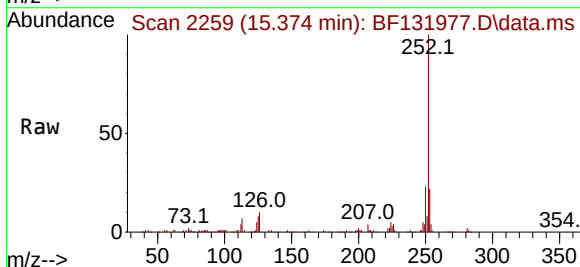
Tgt Ion:252 Resp: 79682

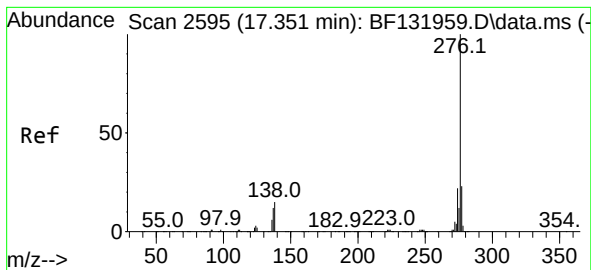
Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.0

125 8.2 5.7 8.5





#92

Benzo(g,h,i)perylene

Concen: 8.873 ng

RT: 17.333 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF131977.D

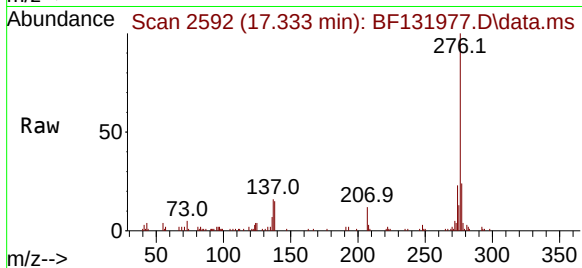
Acq: 09 Jan 2023 22:39

Instrument :

BNA_F

ClientSampleId :

VNJ-210



Tgt Ion:276 Resp: 47376

Ion Ratio Lower Upper

276 100

277 23.6 18.2 27.2

138 15.2 11.7 17.5

