

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050323\
 Data File : BF133218.D
 Acq On : 03 May 2023 20:52
 Operator : CG\JU
 Sample : 02573-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-240

Quant Time: May 04 01:41:39 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 03 17:31:52 2023
 Response via : Initial Calibration

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

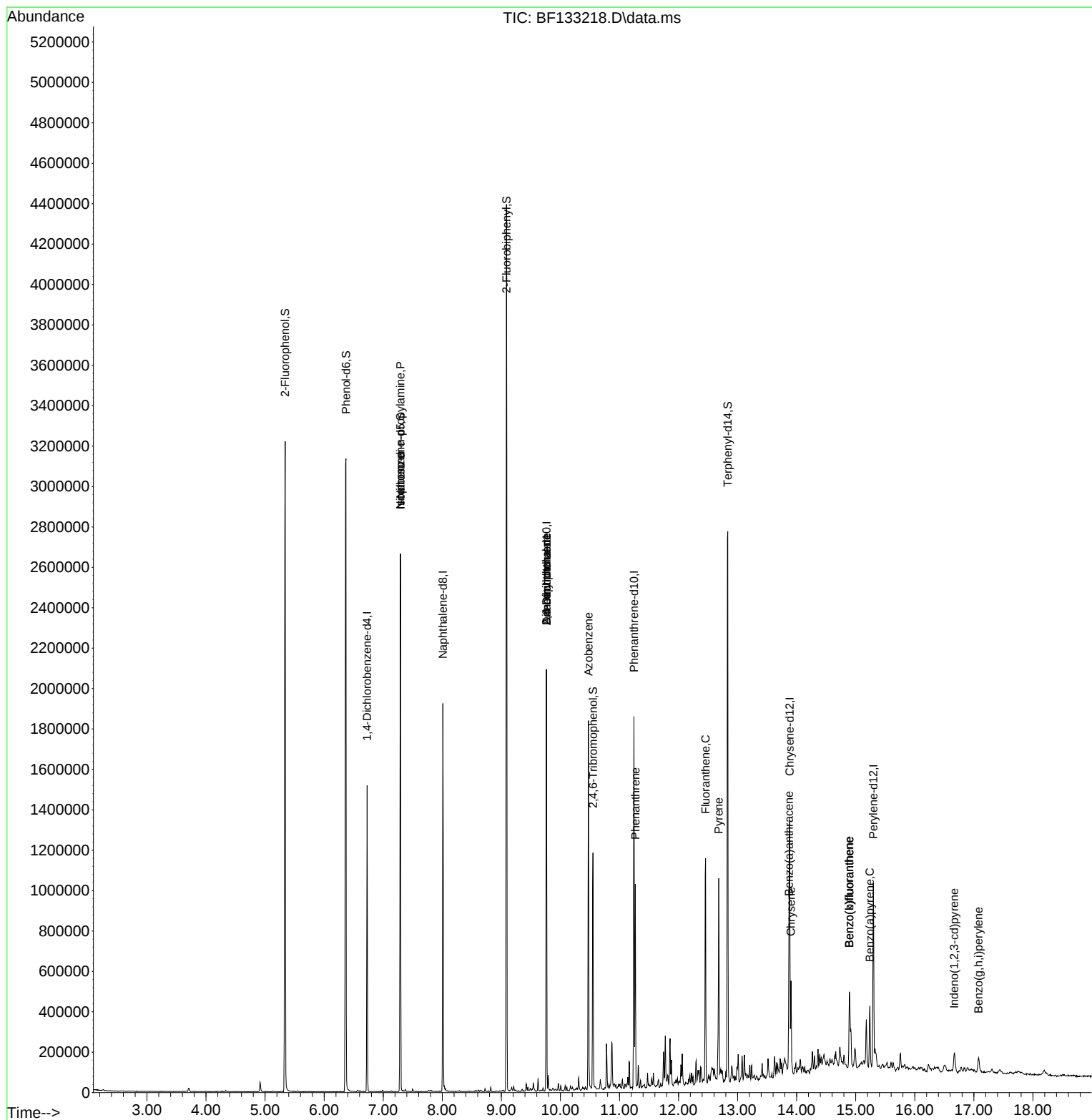
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	186305	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	738315	20.000	ng	0.00
39) Acenaphthene-d10	9.763	164	377873	20.000	ng	0.00
64) Phenanthrene-d10	11.245	188	604207	20.000	ng	0.00
76) Chrysene-d12	13.880	240	336931	20.000	ng	-0.01
86) Perylene-d12	15.298	264	369612	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	918481	74.473	ng	0.00
7) Phenol-d6	6.369	99	1147513	74.962	ng	0.00
23) Nitrobenzene-d5	7.293	82	741893	54.238	ng	0.00
42) 2,4,6-Tribromophenol	10.551	330	124126	32.663	ng	0.00
45) 2-Fluorobiphenyl	9.086	172	1271037	56.274	ng	0.00
79) Terphenyl-d14	12.833	244	959143	49.096	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.275	77	554	Below Cal	#	53
19) n-Nitroso-di-n-propyla...	7.293	70	98675	10.354	ng	# 77
25) Isophorone	7.293	82	740951	28.530	ng	# 63
50) Dimethylphthalate	9.763	163	74035	2.810	ng	# 1
51) 2,6-Dinitrotoluene	9.763	165	49107	8.281	ng	# 25
57) 2,4-Dinitrotoluene	9.763	165	49107	6.493	ng	# 23
63) Azobenzene	10.475	77	283107	10.738	ng	# 1
71) Phenanthrene	11.269	178	316814	9.756	ng	99
75) Fluoranthene	12.457	202	426677	13.092	ng	95
78) Pyrene	12.680	202	376306	13.029	ng	100
81) Benzo(a)anthracene	13.869	228	150829	6.510	ng	95
83) Chrysene	13.904	228	156619	6.761	ng	96
87) Indeno(1,2,3-cd)pyrene	16.668	276	60681	2.886	ng	93
88) Benzo(b)fluoranthene	14.892	252	263619	11.211	ng	# 96
89) Benzo(k)fluoranthene	14.892	252	263619	11.310	ng	# 96
90) Benzo(a)pyrene	15.239	252	130724	6.108	ng	99
92) Benzo(g,h,i)perylene	17.080	276	55524	3.207	ng	98

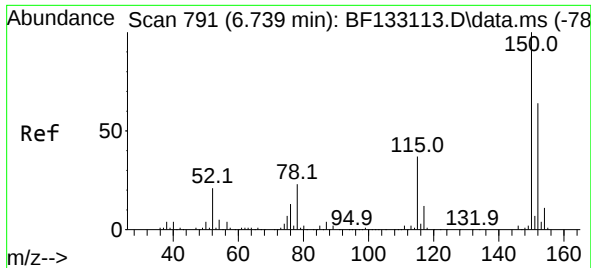
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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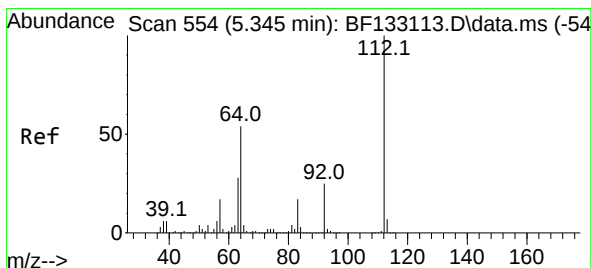
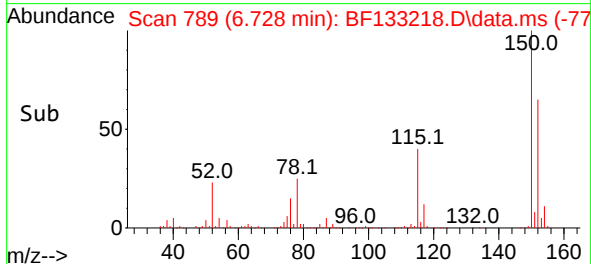
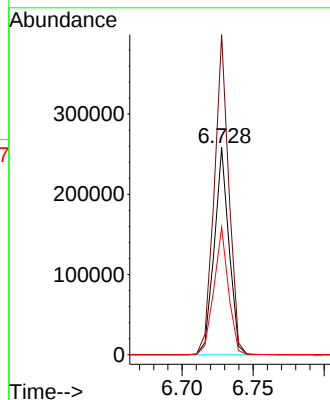
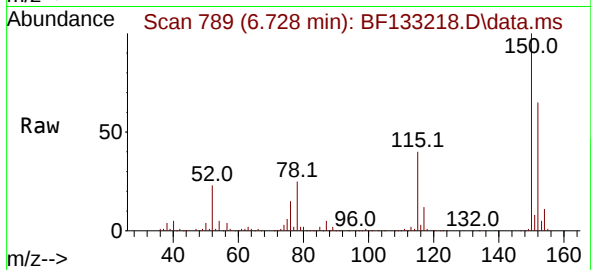




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.728 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: BF133218.D
 Acq: 03 May 2023 20:52

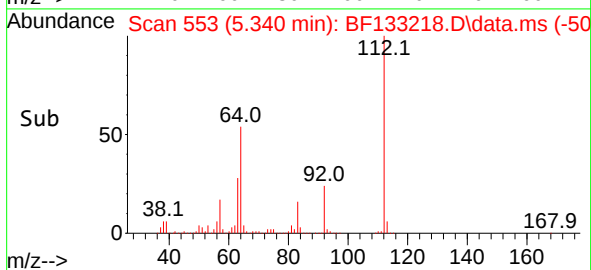
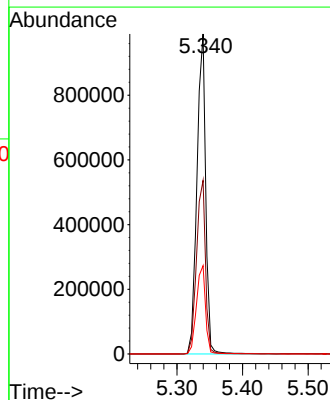
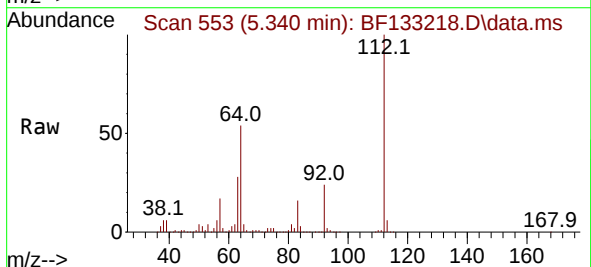
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-240

Tgt Ion:152 Resp: 186305
 Ion Ratio Lower Upper
 152 100
 150 154.4 124.8 187.2
 115 61.6 49.9 74.9



#5
 2-Fluorophenol
 Concen: 74.473 ng
 RT: 5.340 min Scan# 553
 Delta R.T. -0.000 min
 Lab File: BF133218.D
 Acq: 03 May 2023 20:52

Tgt Ion:112 Resp: 918481
 Ion Ratio Lower Upper
 112 100
 64 54.3 46.8 70.2
 63 27.6 23.8 35.8

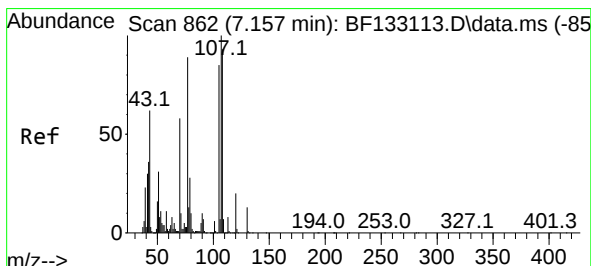
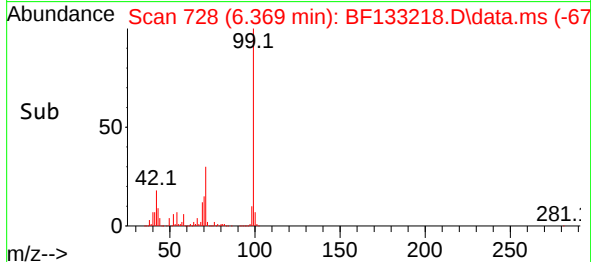
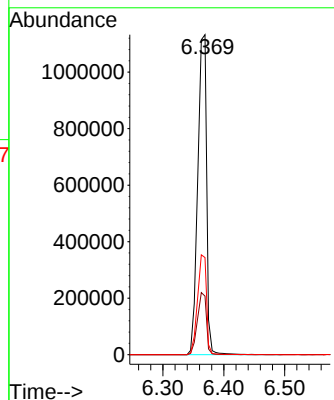
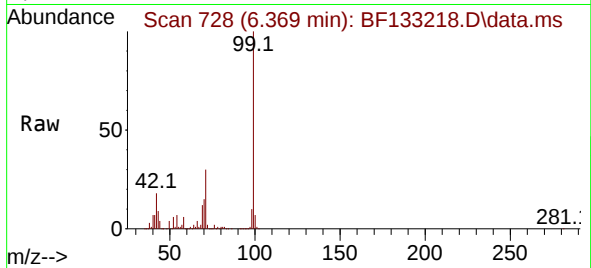




#7
Phenol-d6
Concen: 74.962 ng
RT: 6.369 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133218.D
Acq: 03 May 2023 20:52

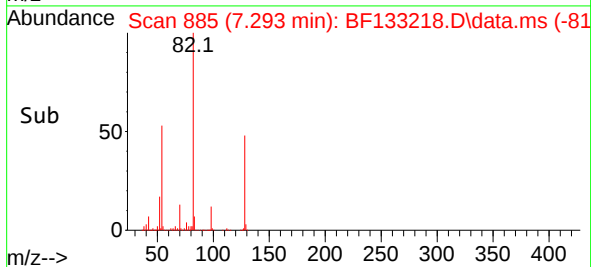
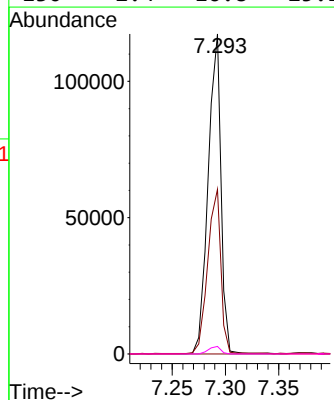
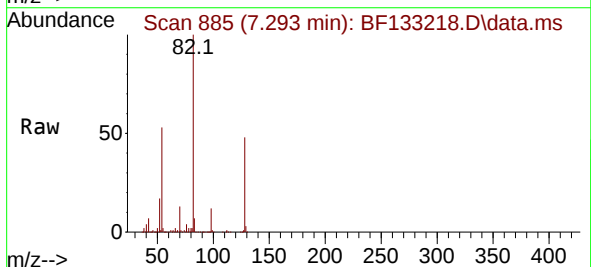
Instrument :
BNA_F
ClientSampleId :
VNJ-240

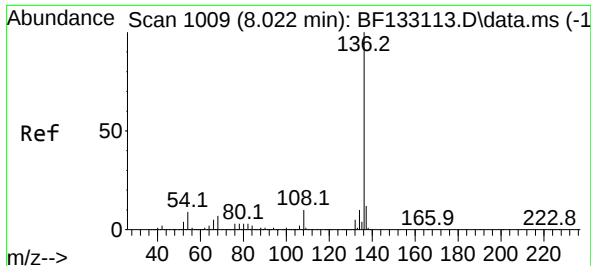
Tgt Ion: 99 Resp: 1147513
Ion Ratio Lower Upper
99 100
42 18.3 16.3 24.5
71 30.4 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 10.354 ng
RT: 7.293 min Scan# 885
Delta R.T. 0.141 min
Lab File: BF133218.D
Acq: 03 May 2023 20:52

Tgt Ion: 70 Resp: 98675
Ion Ratio Lower Upper
70 100
42 51.5 51.8 77.6#
101 0.0 8.0 12.0#
130 2.4 16.8 25.2#



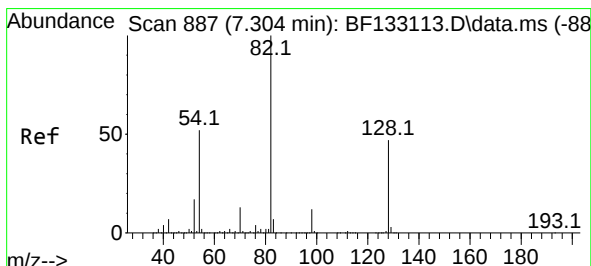
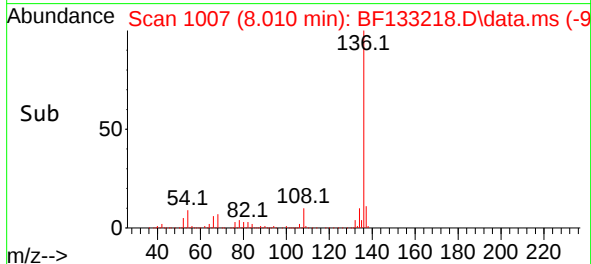
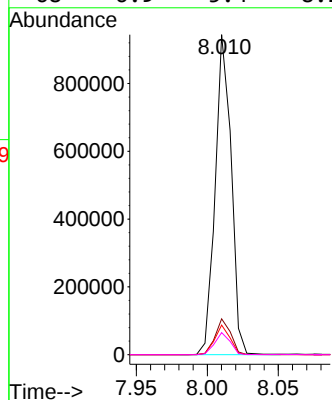
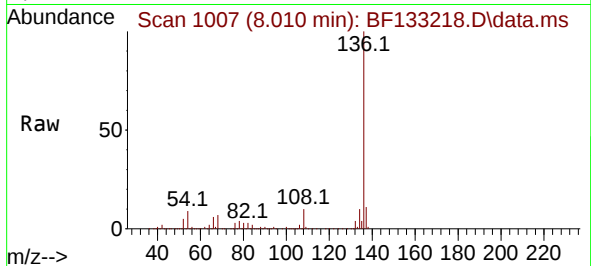


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.010 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF133218.D
Acq: 03 May 2023 20:52

Instrument :
BNA_F
ClientSampleId :
VNJ-240

Tgt Ion:136 Resp: 738315

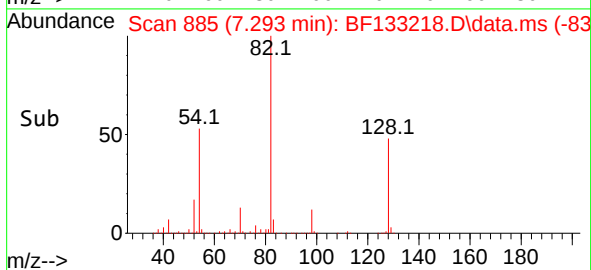
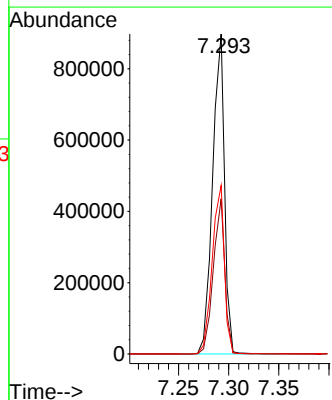
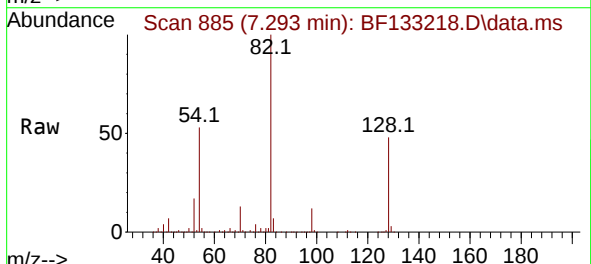
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.6	13.0
54	9.3	7.0	10.4
68	6.9	5.4	8.2

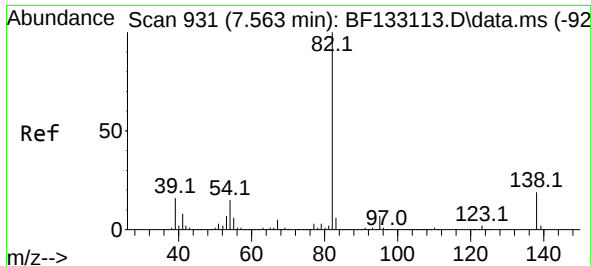


#23
Nitrobenzene-d5
Concen: 54.238 ng
RT: 7.293 min Scan# 885
Delta R.T. -0.006 min
Lab File: BF133218.D
Acq: 03 May 2023 20:52

Tgt Ion: 82 Resp: 741893

Ion	Ratio	Lower	Upper
82	100		
128	48.5	37.7	56.5
54	52.6	43.0	64.4

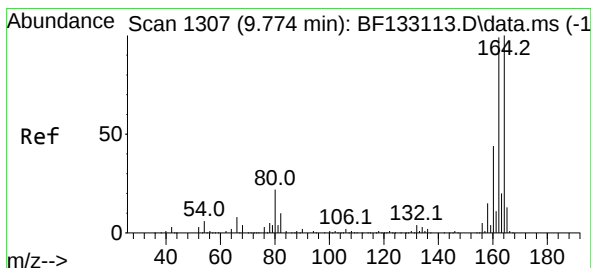
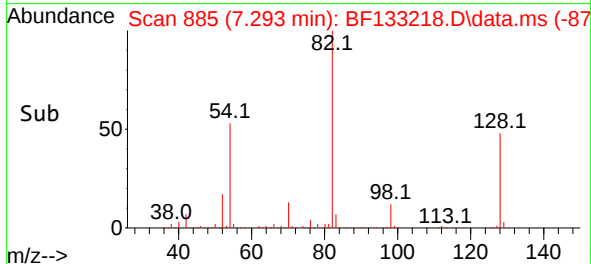
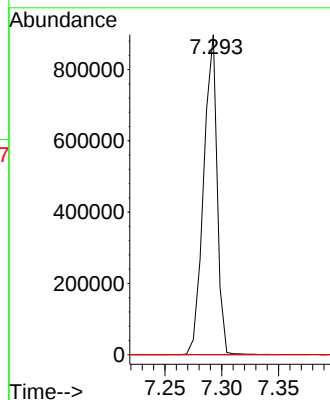
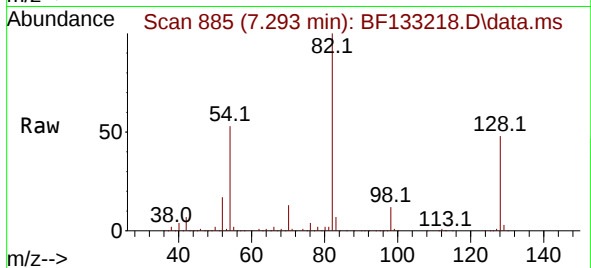




#25
Isophorone
Concen: 28.530 ng
RT: 7.293 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF133218.D
Acq: 03 May 2023 20:52

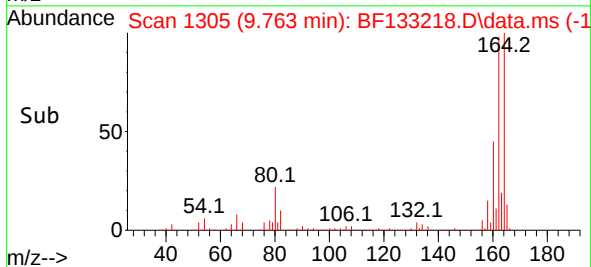
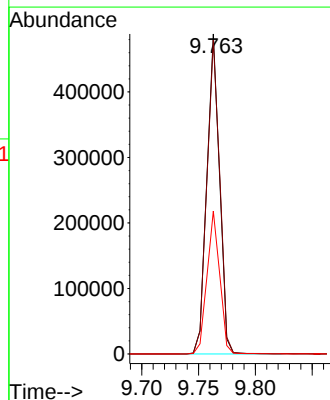
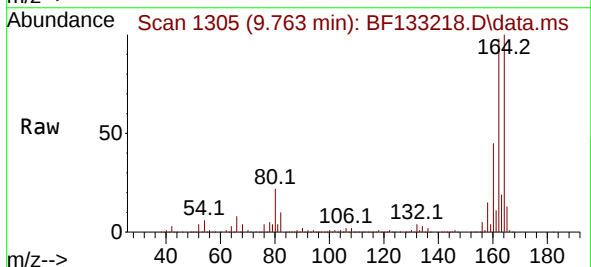
Instrument :
BNA_F
ClientSampleId :
VNJ-240

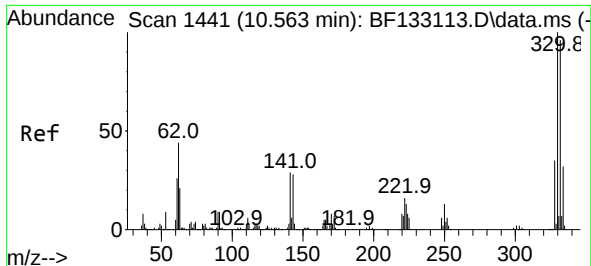
Tgt Ion: 82 Resp: 740951
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.763 min Scan# 1305
Delta R.T. -0.006 min
Lab File: BF133218.D
Acq: 03 May 2023 20:52

Tgt Ion:164 Resp: 377873
Ion Ratio Lower Upper
164 100
162 98.1 78.7 118.1
160 44.6 35.8 53.6

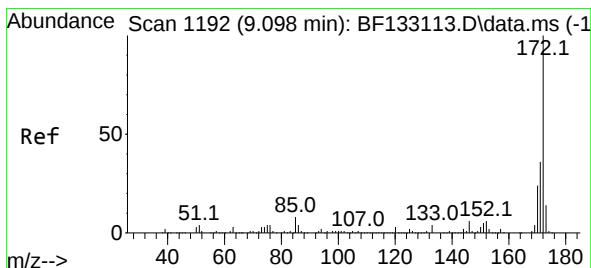
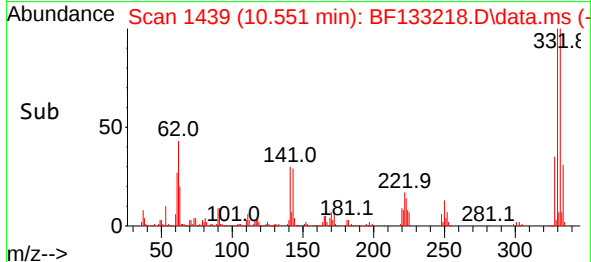
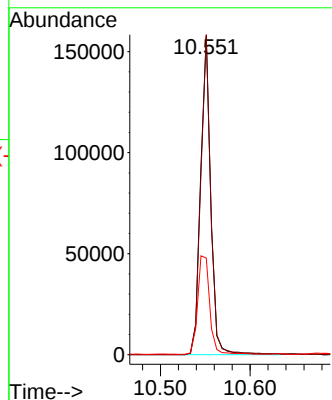
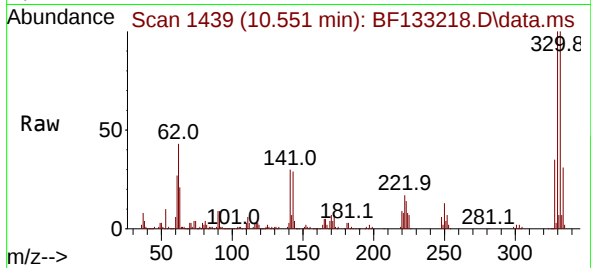




#42
2,4,6-Tribromophenol
Concen: 32.663 ng
RT: 10.551 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF133218.D
Acq: 03 May 2023 20:52

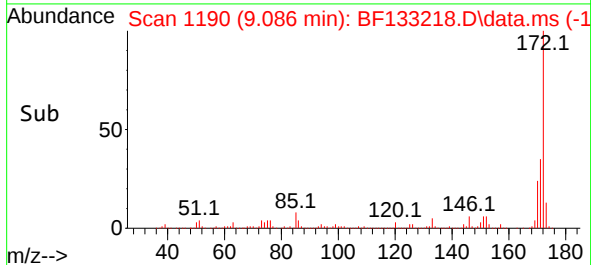
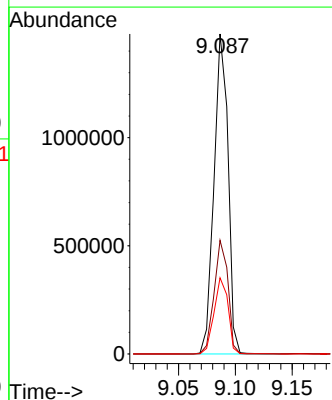
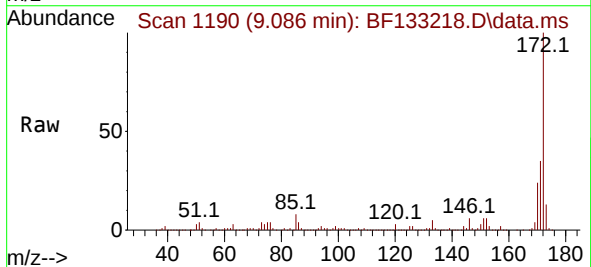
Instrument :
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ClientSampleId :
VNJ-240

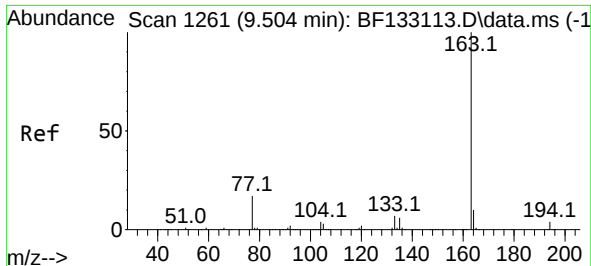
Tgt Ion:330 Resp: 124126
Ion Ratio Lower Upper
330 100
332 98.5 77.1 115.7
141 36.4 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 56.274 ng
RT: 9.086 min Scan# 1190
Delta R.T. -0.006 min
Lab File: BF133218.D
Acq: 03 May 2023 20:52

Tgt Ion:172 Resp: 1271037
Ion Ratio Lower Upper
172 100
171 35.5 28.8 43.2
170 23.8 19.4 29.2

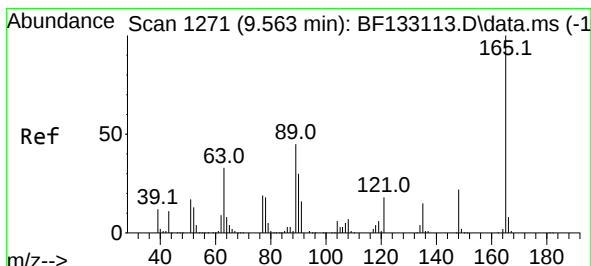
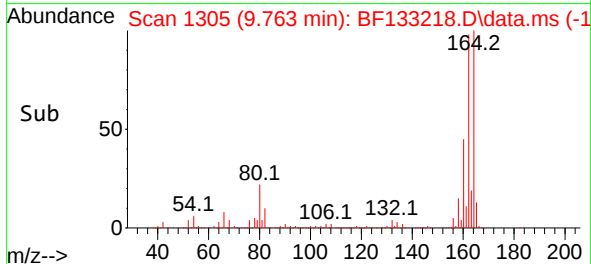
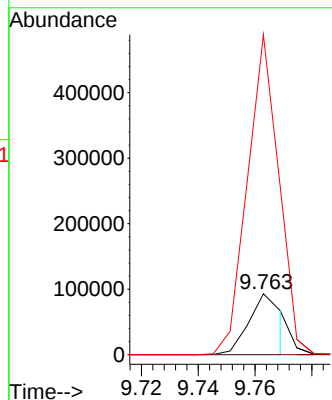
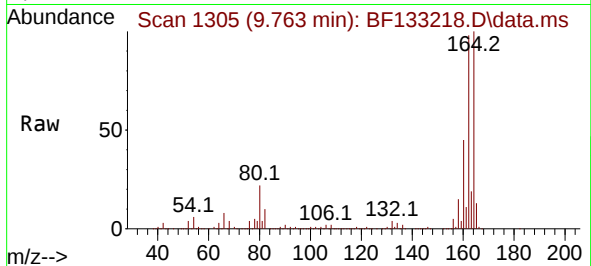




#50
Dimethylphthalate
Concen: 2.810 ng
RT: 9.763 min Scan# 1305
Delta R.T. 0.264 min
Lab File: BF133218.D
Acq: 03 May 2023 20:52

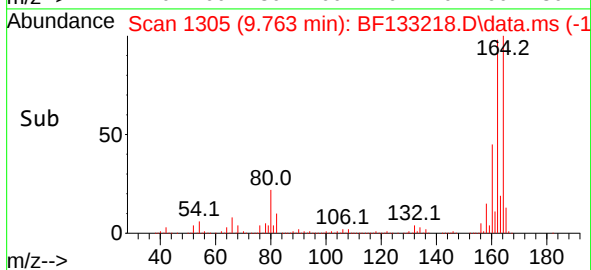
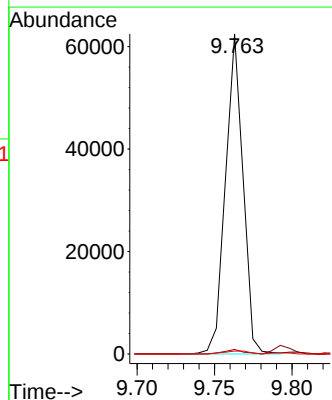
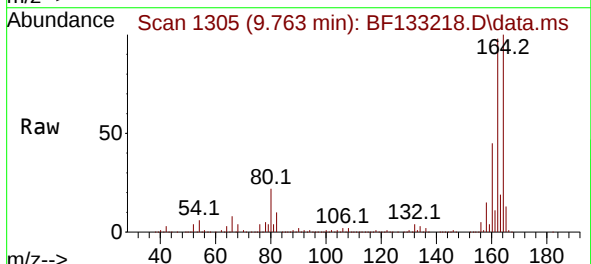
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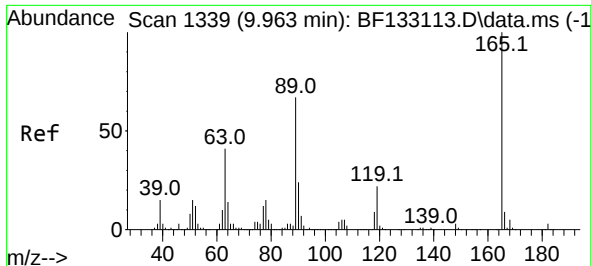
Tgt Ion:163 Resp: 74035
Ion Ratio Lower Upper
163 100
194 0.0 3.1 4.7#
164 525.0 8.5 12.7#



#51
2,6-Dinitrotoluene
Concen: 8.281 ng
RT: 9.763 min Scan# 1305
Delta R.T. 0.206 min
Lab File: BF133218.D
Acq: 03 May 2023 20:52

Tgt Ion:165 Resp: 49107
Ion Ratio Lower Upper
165 100
63 1.4 45.9 68.9#
89 0.9 44.0 66.0#

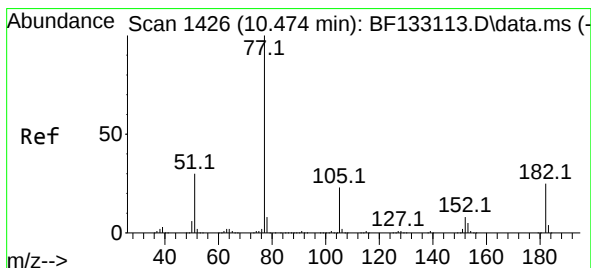
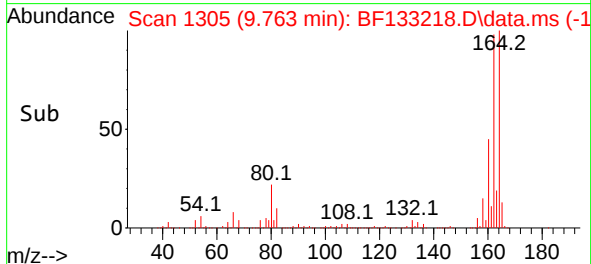
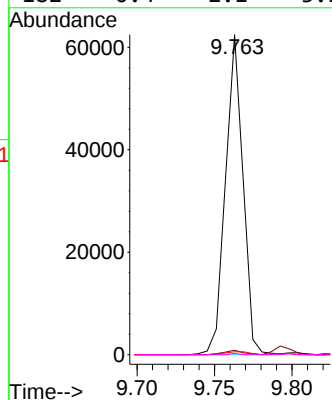
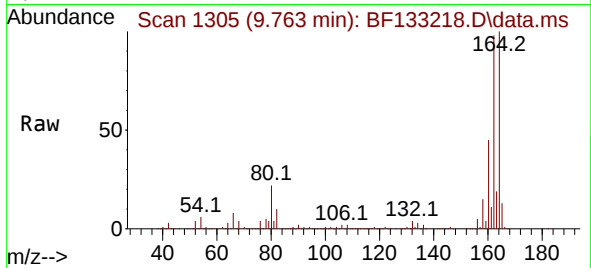




#57
2,4-Dinitrotoluene
Concen: 6.493 ng
RT: 9.763 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF133218.D
Acq: 03 May 2023 20:52

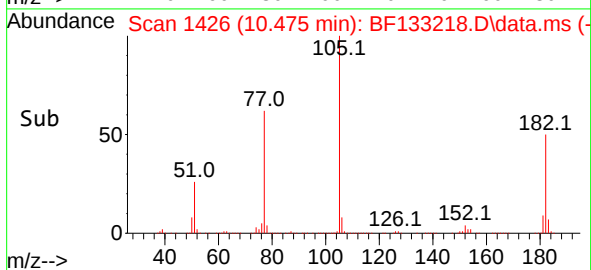
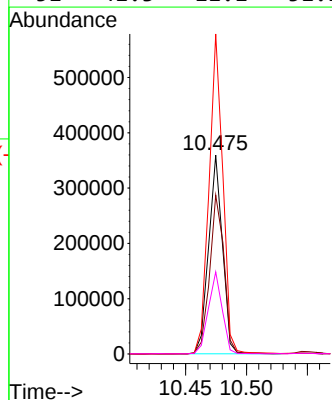
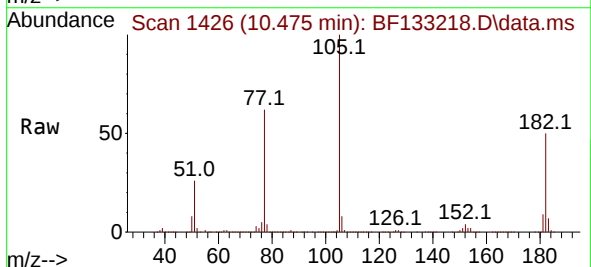
Instrument :
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ClientSampleId :
VNJ-240

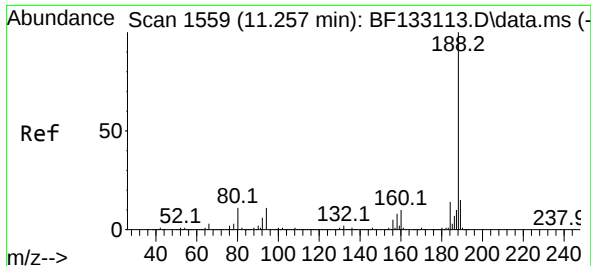
Tgt Ion:165 Resp: 49107
Ion Ratio Lower Upper
165 100
63 1.4 37.7 56.5#
89 0.9 57.0 85.4#
182 0.4 2.1 3.1#



#63
Azobenzene
Concen: 10.738 ng
RT: 10.475 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF133218.D
Acq: 03 May 2023 20:52

Tgt Ion: 77 Resp: 283107
Ion Ratio Lower Upper
77 100
182 79.9 5.9 45.9#
105 160.9 2.3 42.3#
51 41.3 11.1 51.1

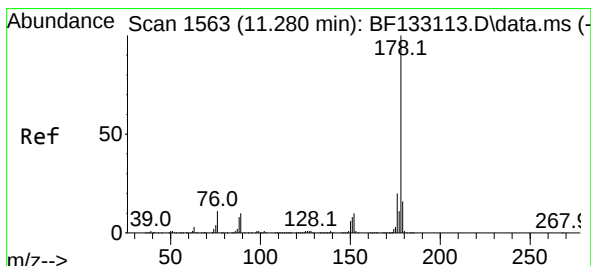
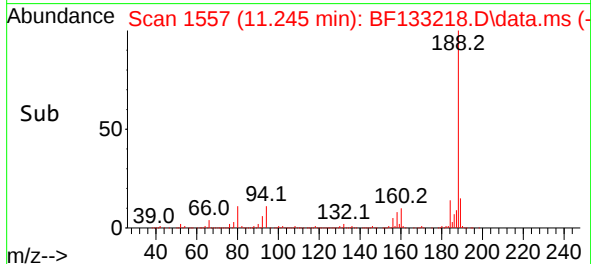
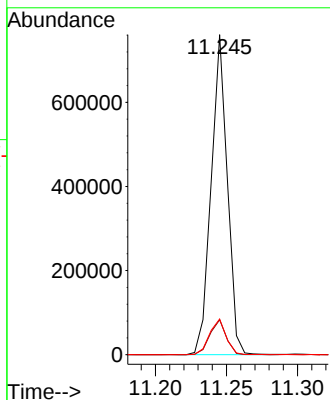
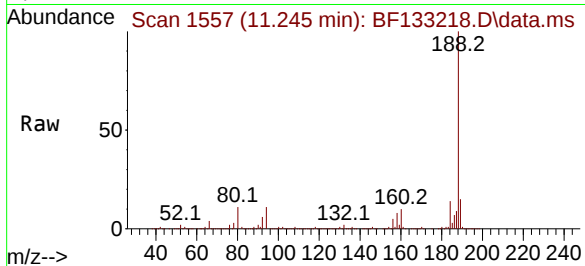




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.245 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133218.D
Acq: 03 May 2023 20:52

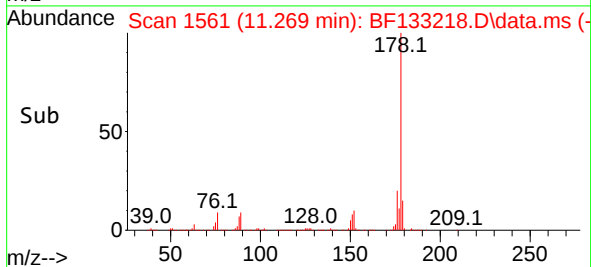
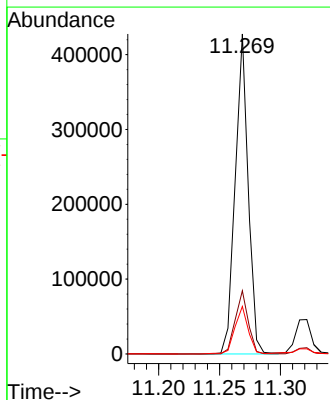
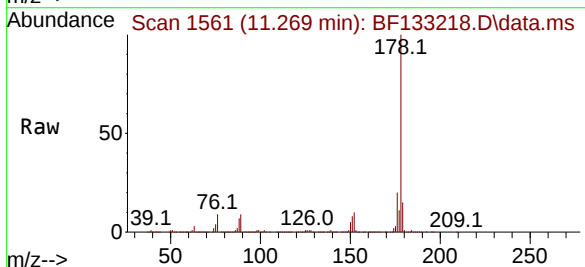
Instrument :
BNA_F
ClientSampleId :
VNJ-240

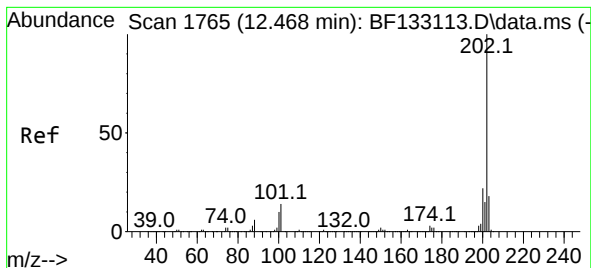
Tgt Ion:188 Resp: 604207
Ion Ratio Lower Upper
188 100
94 10.9 9.7 14.5
80 11.2 10.4 15.6



#71
Phenanthrene
Concen: 9.756 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.006 min
Lab File: BF133218.D
Acq: 03 May 2023 20:52

Tgt Ion:178 Resp: 316814
Ion Ratio Lower Upper
178 100
176 19.8 15.9 23.9
179 14.8 12.5 18.7





#75

Fluoranthene

Concen: 13.092 ng

RT: 12.457 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133218.D

Acq: 03 May 2023 20:52

Instrument :

BNA_F

ClientSampleId :

VNJ-240

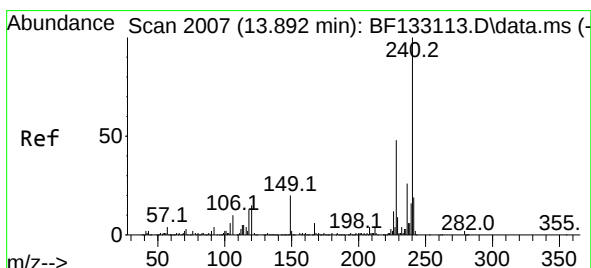
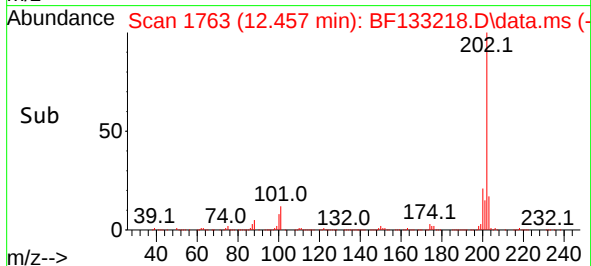
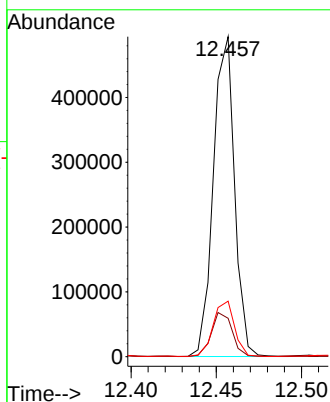
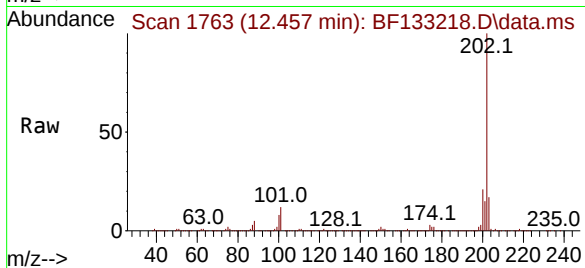
Tgt Ion:202 Resp: 426677

Ion Ratio Lower Upper

202 100

101 12.0 0.0 35.3

203 17.3 0.0 38.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.880 min Scan# 2005

Delta R.T. -0.012 min

Lab File: BF133218.D

Acq: 03 May 2023 20:52

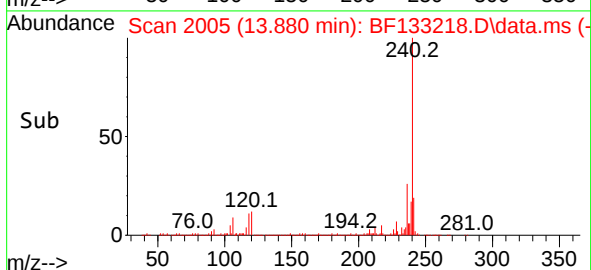
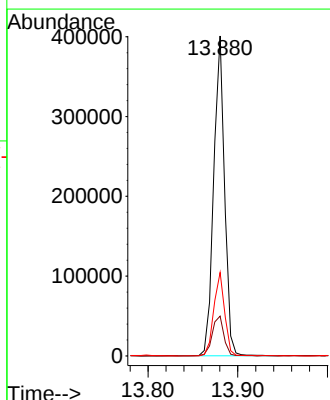
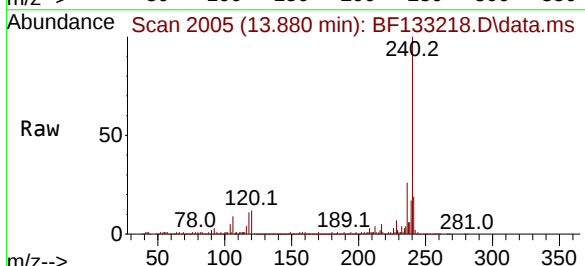
Tgt Ion:240 Resp: 336931

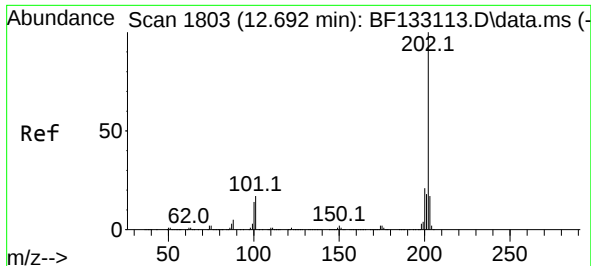
Ion Ratio Lower Upper

240 100

120 12.5 10.5 15.7

236 26.1 21.5 32.3

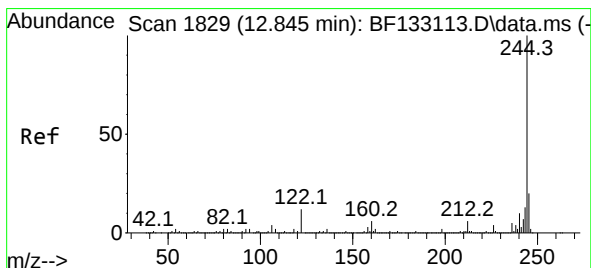
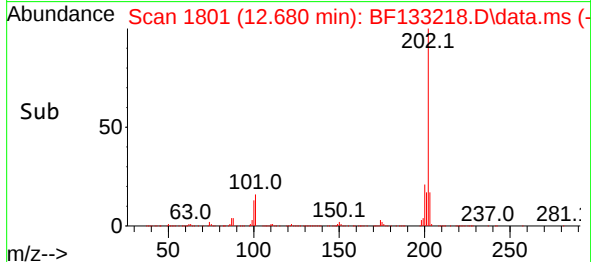
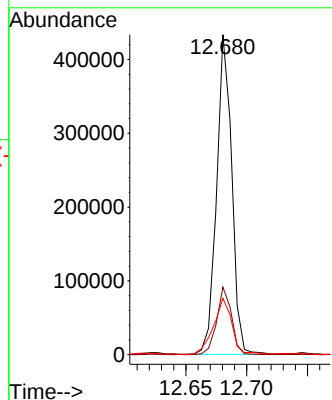
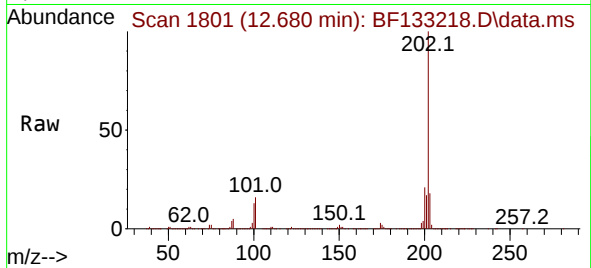




#78
Pyrene
Concen: 13.029 ng
RT: 12.680 min Scan# 1801
Delta R.T. -0.012 min
Lab File: BF133218.D
Acq: 03 May 2023 20:52

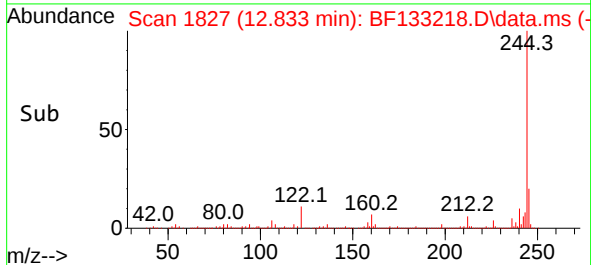
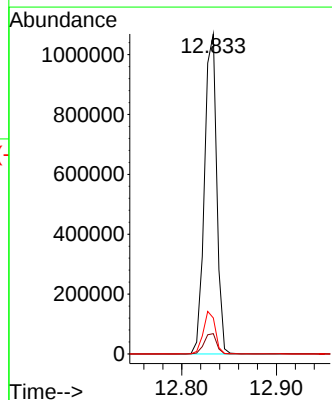
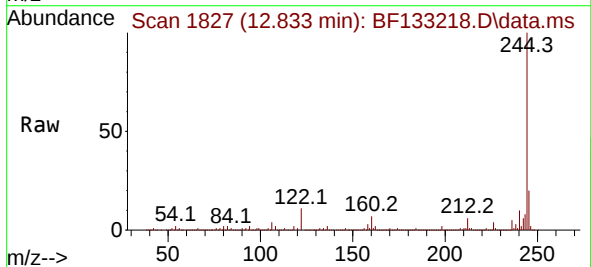
Instrument :
BNA_F
ClientSampleId :
VNJ-240

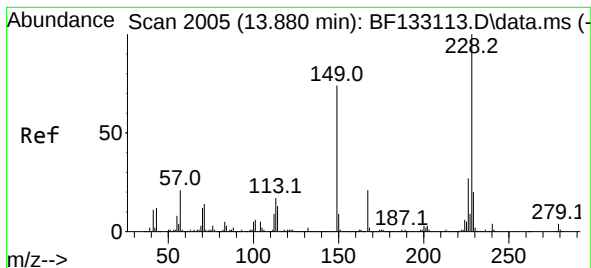
Tgt Ion:202 Resp: 376306
Ion Ratio Lower Upper
202 100
200 21.1 17.1 25.7
203 17.6 14.1 21.1



#79
Terphenyl-d14
Concen: 49.096 ng
RT: 12.833 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF133218.D
Acq: 03 May 2023 20:52

Tgt Ion:244 Resp: 959143
Ion Ratio Lower Upper
244 100
212 6.3 5.1 7.7
122 11.3 8.6 13.0





#81

Benzo(a)anthracene

Concen: 6.510 ng

RT: 13.869 min Scan# 2003

Delta R.T. -0.012 min

Lab File: BF133218.D

Acq: 03 May 2023 20:52

Instrument :

BNA_F

ClientSampleId :

VNJ-240

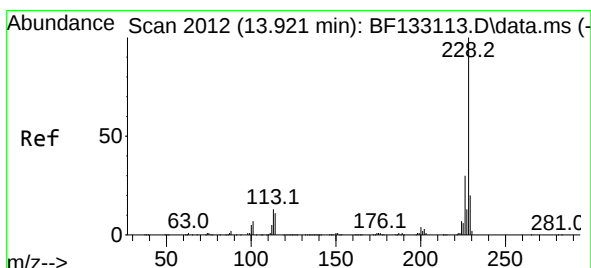
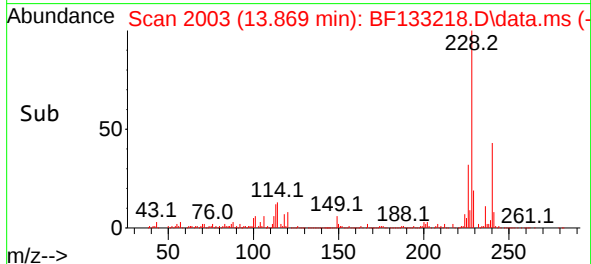
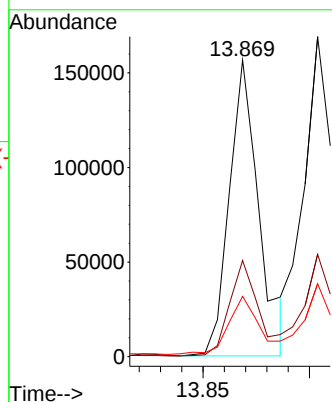
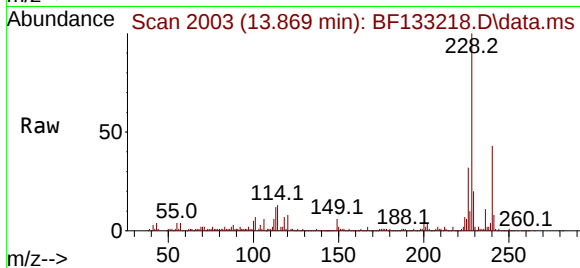
Tgt Ion:228 Resp: 150829

Ion Ratio Lower Upper

228 100

226 32.4 22.2 33.4

229 20.4 16.0 24.0



#83

Chrysene

Concen: 6.761 ng

RT: 13.904 min Scan# 2009

Delta R.T. -0.012 min

Lab File: BF133218.D

Acq: 03 May 2023 20:52

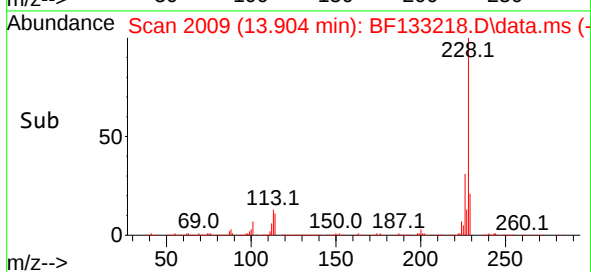
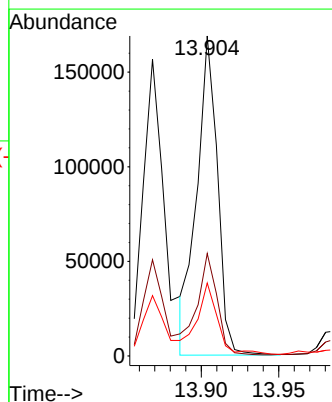
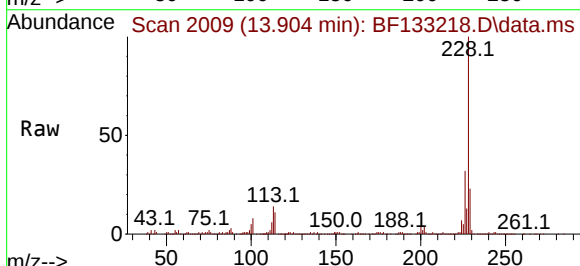
Tgt Ion:228 Resp: 156619

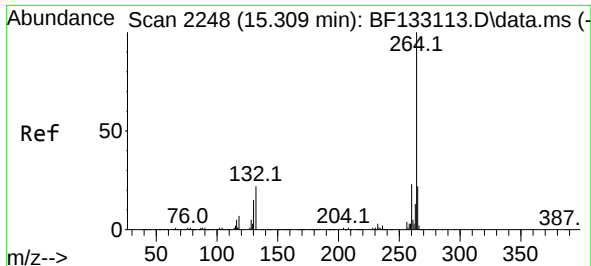
Ion Ratio Lower Upper

228 100

226 32.0 24.7 37.1

229 22.8 16.1 24.1

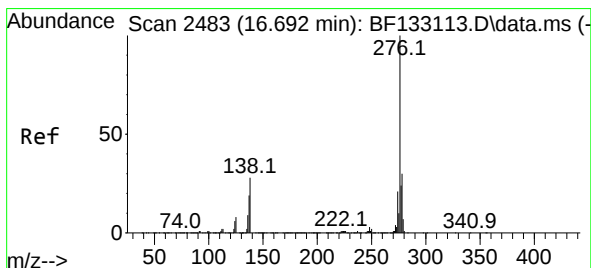
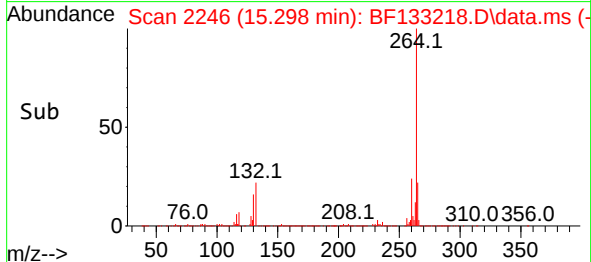
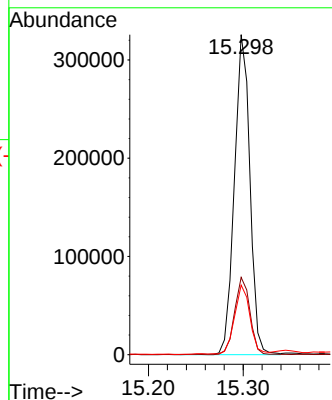
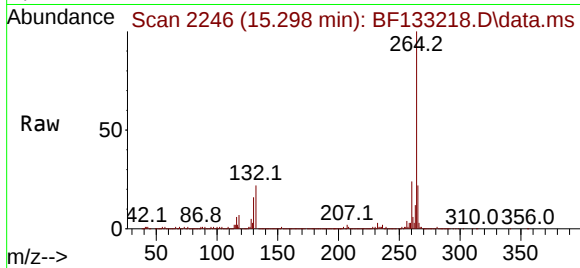




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.298 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF133218.D
Acq: 03 May 2023 20:52

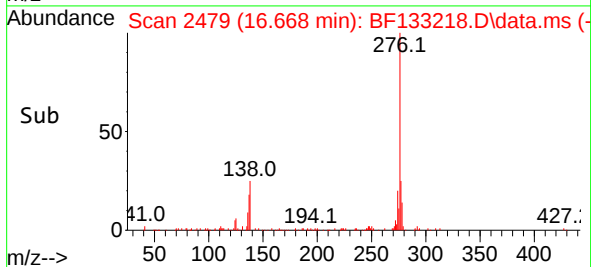
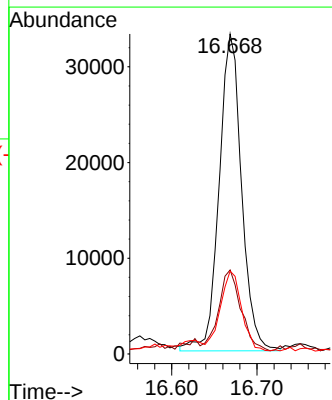
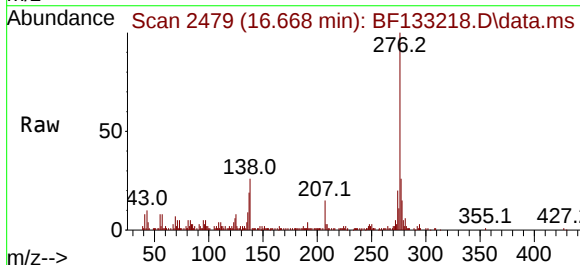
Instrument :
BNA_F
ClientSampleId :
VNJ-240

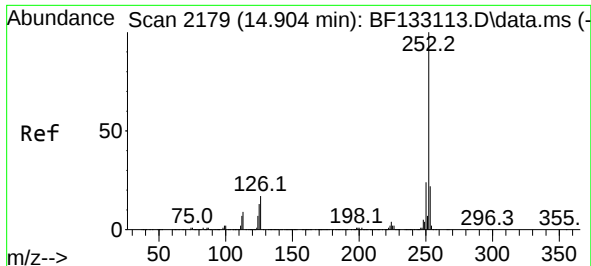
Tgt Ion:264 Resp: 369612
Ion Ratio Lower Upper
264 100
260 24.1 18.8 28.2
265 21.8 17.0 25.4



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.886 ng
RT: 16.668 min Scan# 2479
Delta R.T. -0.024 min
Lab File: BF133218.D
Acq: 03 May 2023 20:52

Tgt Ion:276 Resp: 60681
Ion Ratio Lower Upper
276 100
138 26.0 25.5 38.3
277 23.7 20.4 30.6

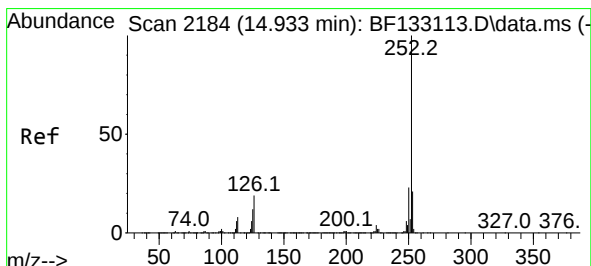
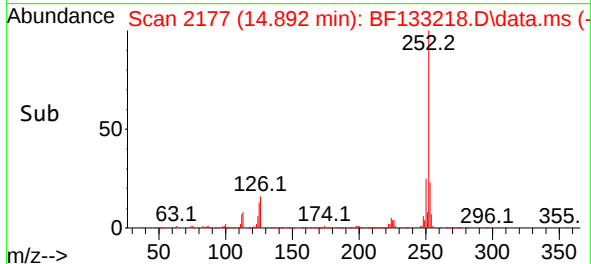
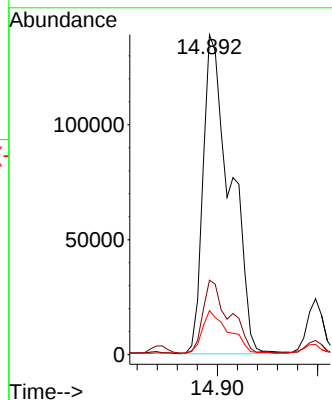
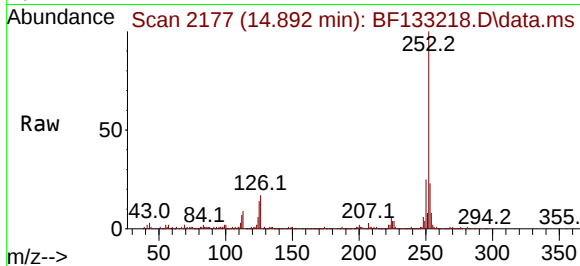




#88
Benzo(b)fluoranthene
Concen: 11.211 ng
RT: 14.892 min Scan# 2177
Delta R.T. -0.012 min
Lab File: BF133218.D
Acq: 03 May 2023 20:52

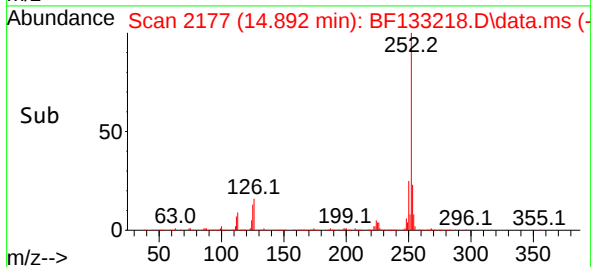
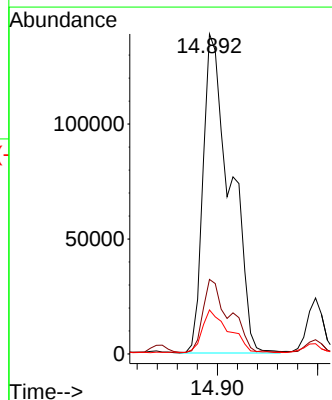
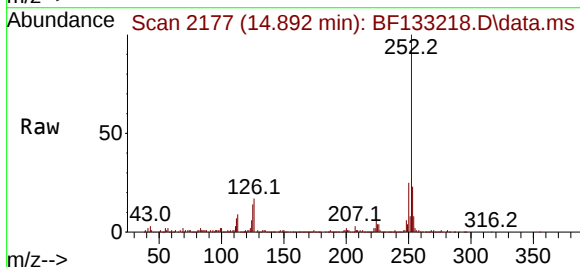
Instrument :
BNA_F
ClientSampleId :
VNJ-240

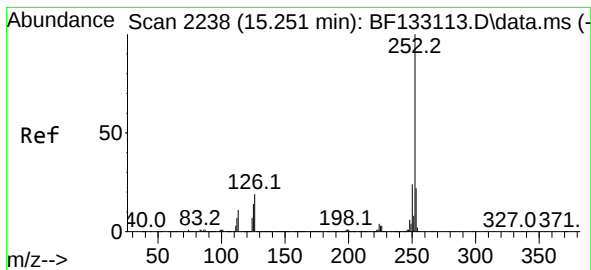
Tgt Ion:252 Resp: 263619
Ion Ratio Lower Upper
252 100
253 23.3 17.6 26.4
125 13.7 8.9 13.3#



#89
Benzo(k)fluoranthene
Concen: 11.310 ng
RT: 14.892 min Scan# 2177
Delta R.T. -0.041 min
Lab File: BF133218.D
Acq: 03 May 2023 20:52

Tgt Ion:252 Resp: 263619
Ion Ratio Lower Upper
252 100
253 23.3 17.7 26.5
125 13.7 9.0 13.4#





#90

Benzo(a)pyrene

Concen: 6.108 ng

RT: 15.239 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF133218.D

Acq: 03 May 2023 20:52

Instrument :

BNA_F

ClientSampleId :

VNJ-240

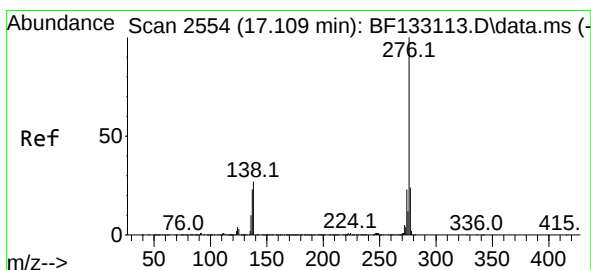
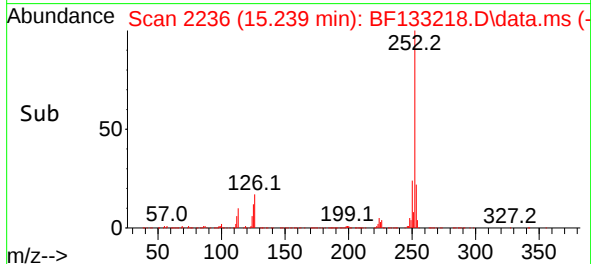
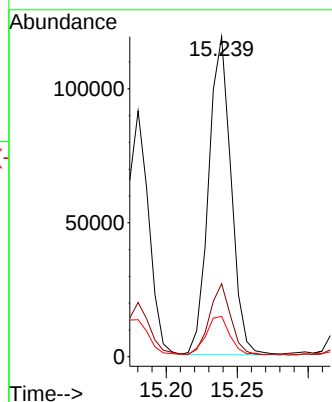
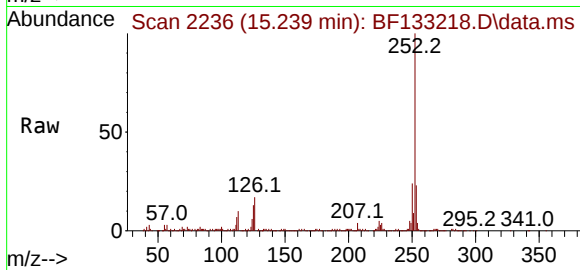
Tgt Ion:252 Resp: 130724

Ion Ratio Lower Upper

252 100

253 22.8 17.7 26.5

125 12.6 10.5 15.7



#92

Benzo(g,h,i)perylene

Concen: 3.207 ng

RT: 17.080 min Scan# 2549

Delta R.T. -0.024 min

Lab File: BF133218.D

Acq: 03 May 2023 20:52

Tgt Ion:276 Resp: 55524

Ion Ratio Lower Upper

276 100

277 24.8 19.4 29.0

138 26.7 22.7 34.1

