

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050523\
 Data File : BF133281.D
 Acq On : 06 May 2023 00:28
 Operator : CG\JU
 Sample : 02608-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-227

Quant Time: May 06 05:54:14 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 05 10:49:34 2023
 Response via : Initial Calibration

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

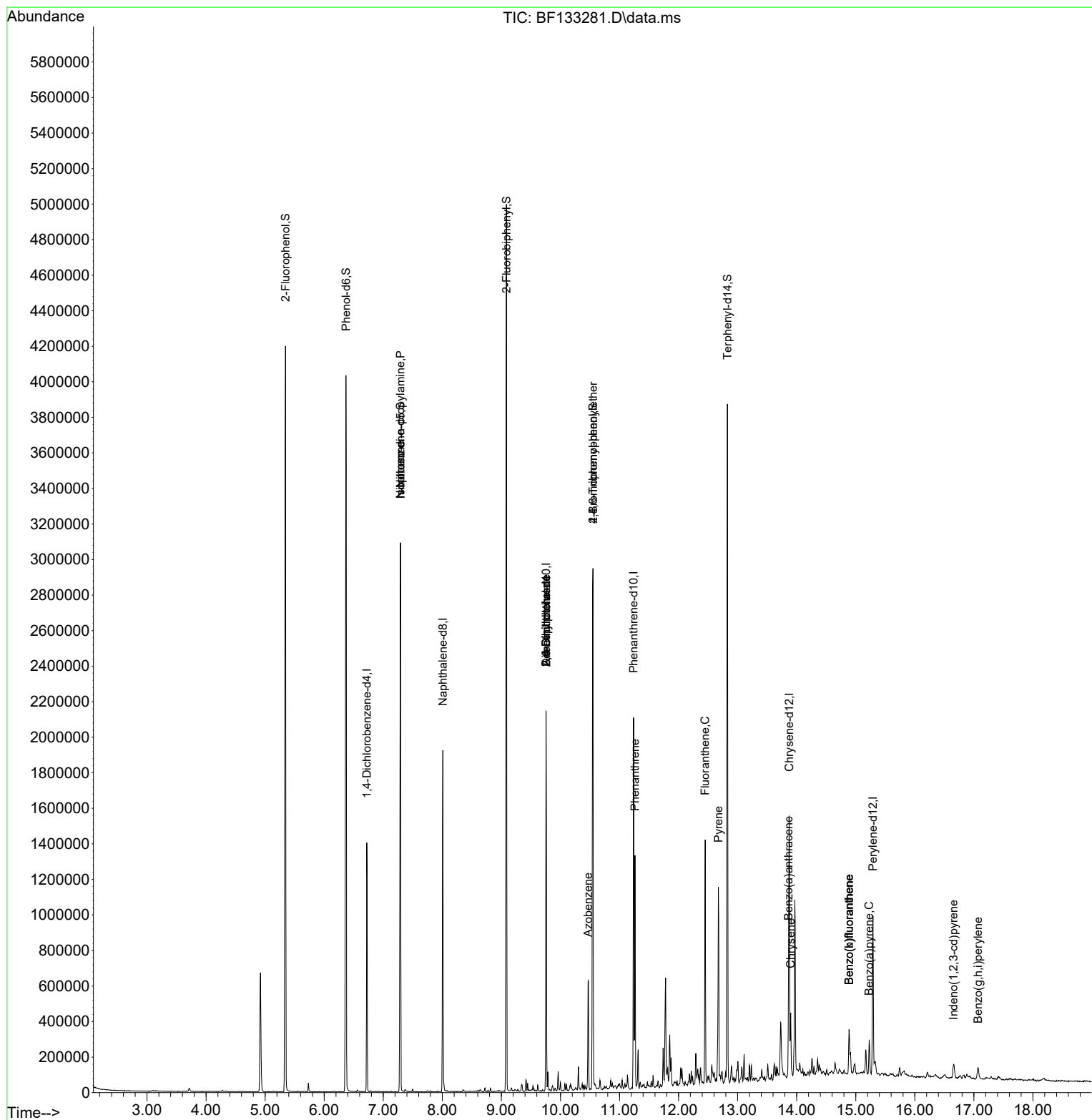
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	192477	20.000	ng	0.00
21) Naphthalene-d8	8.010	136	764705	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	402003	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	704429	20.000	ng	0.00
76) Chrysene-d12	13.874	240	405108	20.000	ng	0.00
86) Perylene-d12	15.292	264	362908	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.345	112	1250727	98.160	ng	0.01
7) Phenol-d6	6.369	99	1552921	98.192	ng	0.00
23) Nitrobenzene-d5	7.292	82	937819	66.196	ng	0.00
42) 2,4,6-Tribromophenol	10.551	330	386423	95.580	ng	0.00
45) 2-Fluorobiphenyl	9.086	172	1415089	58.891	ng	0.00
79) Terphenyl-d14	12.827	244	1277865	54.403	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.292	77	241	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.292	70	125351	12.732	ng	# 77
25) Isophorone	7.292	82	937801	34.864	ng	# 63
50) Dimethylphthalate	9.757	163	76629	2.734	ng	# 1
51) 2,6-Dinitrotoluene	9.757	165	51446	8.154	ng	# 25
57) 2,4-Dinitrotoluene	9.757	165	51446	6.394	ng	# 23
63) Azobenzene	10.469	77	108272	3.860	ng	# 1
67) 4-Bromophenyl-phenylether	10.551	248	24604	3.220	ng	# 1
71) Phenanthrene	11.263	178	415902	10.985	ng	100
75) Fluoranthene	12.451	202	478866	12.602	ng	96
78) Pyrene	12.674	202	437720	12.605	ng	100
81) Benzo(a)anthracene	13.862	228	150756	5.412	ng	98
83) Chrysene	13.898	228	126194	4.531	ng	99
87) Indeno(1,2,3-cd)pyrene	16.656	276	50796	2.461	ng	97
88) Benzo(b)fluoranthene	14.886	252	158917	6.883	ng	98
89) Benzo(k)fluoranthene	14.886	252	158917	6.944	ng	98
90) Benzo(a)pyrene	15.227	252	82249	3.914	ng	98
92) Benzo(g,h,i)perylene	17.068	276	50705	2.983	ng	94

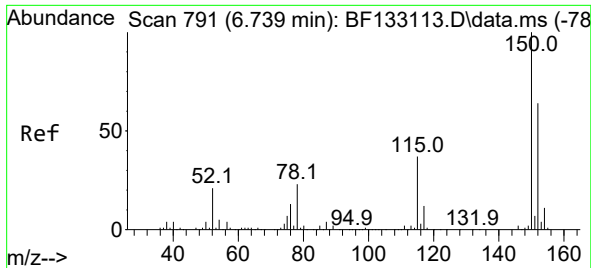
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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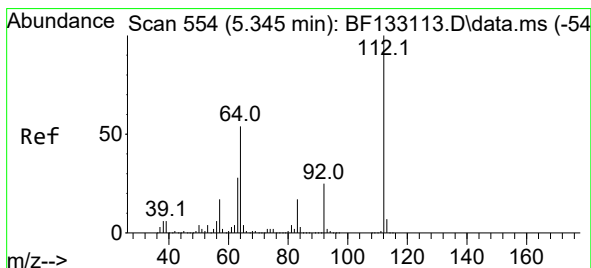
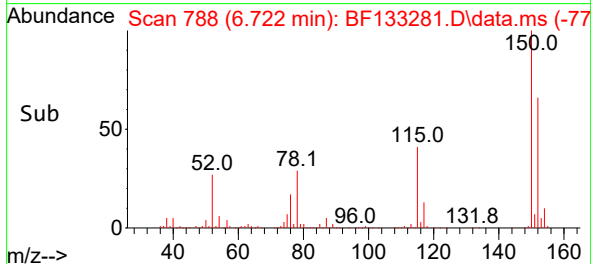
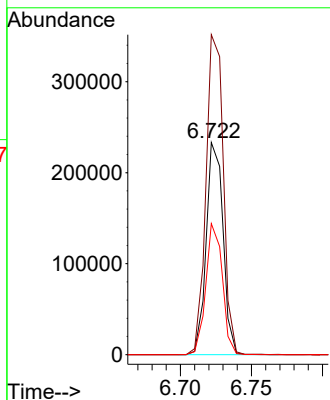
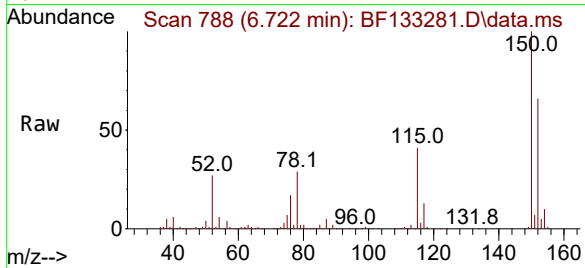




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.722 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF133281.D
Acq: 06 May 2023 00:28

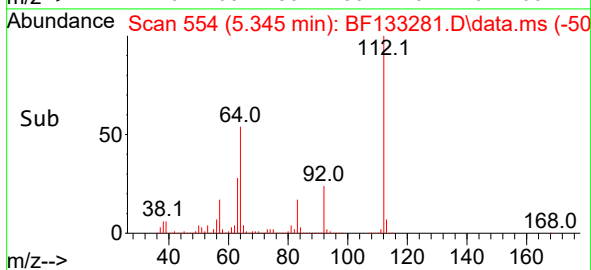
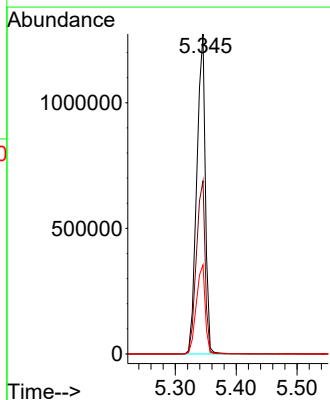
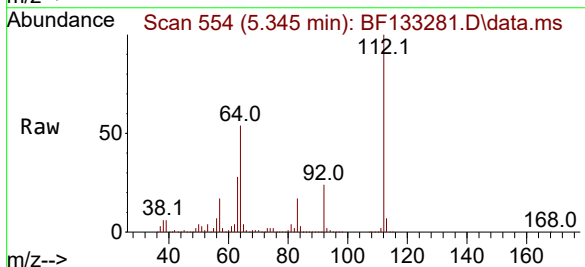
Instrument :
BNA_F
ClientSampleId :
VNJ-227

Tgt Ion:152 Resp: 192477
Ion Ratio Lower Upper
152 100
150 150.8 124.8 187.2
115 61.7 49.9 74.9



#5
2-Fluorophenol
Concen: 98.160 ng
RT: 5.345 min Scan# 554
Delta R.T. 0.012 min
Lab File: BF133281.D
Acq: 06 May 2023 00:28

Tgt Ion:112 Resp: 1250727
Ion Ratio Lower Upper
112 100
64 54.0 46.8 70.2
63 27.8 23.8 35.8

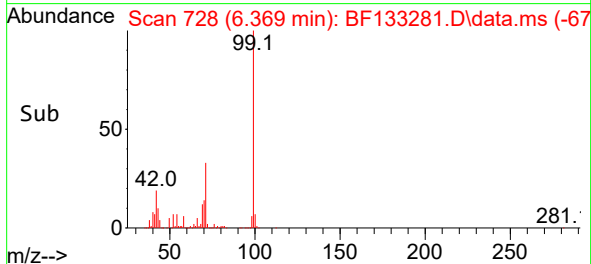
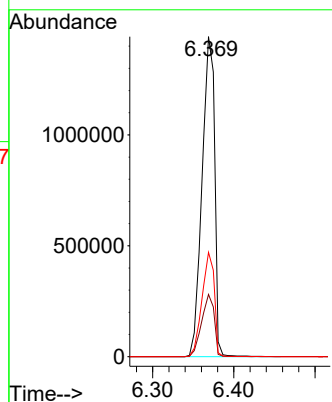
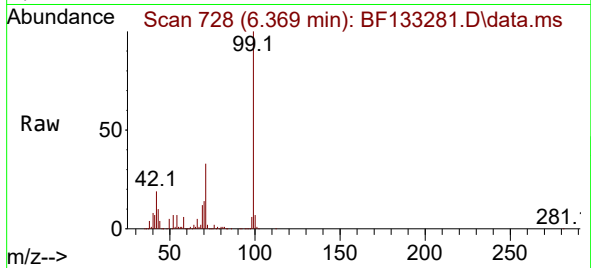




#7
Phenol-d6
Concen: 98.192 ng
RT: 6.369 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF133281.D
Acq: 06 May 2023 00:28

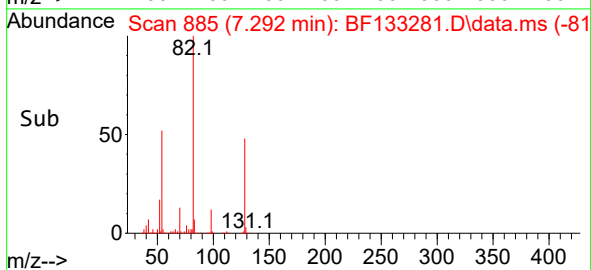
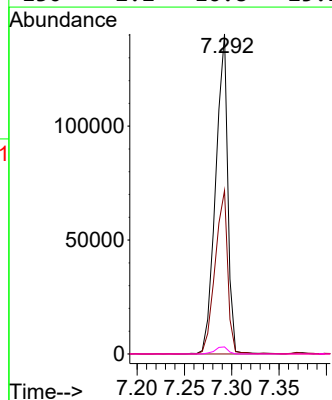
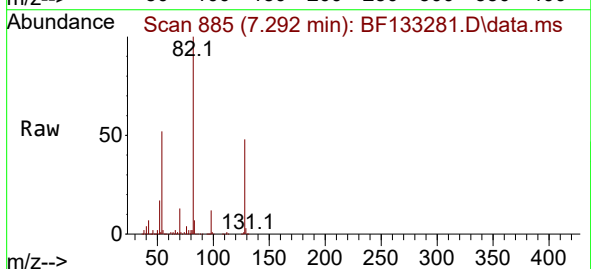
Instrument :
BNA_F
ClientSampleId :
VNJ-227

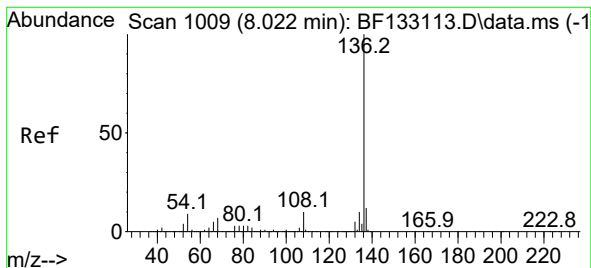
Tgt Ion: 99 Resp: 1552921
Ion Ratio Lower Upper
99 100
42 19.4 16.3 24.5
71 32.6 25.6 38.4



#19
n-Nitroso-di-n-propylamine
Concen: 12.732 ng
RT: 7.292 min Scan# 885
Delta R.T. 0.141 min
Lab File: BF133281.D
Acq: 06 May 2023 00:28

Tgt Ion: 70 Resp: 125351
Ion Ratio Lower Upper
70 100
42 51.0 51.8 77.6#
101 0.0 8.0 12.0#
130 2.2 16.8 25.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.010 min Scan# 1007

Delta R.T. -0.006 min

Lab File: BF133281.D

Acq: 06 May 2023 00:28

Instrument :

BNA_F

ClientSampleId :

VNJ-227

Tgt Ion:136 Resp: 764705

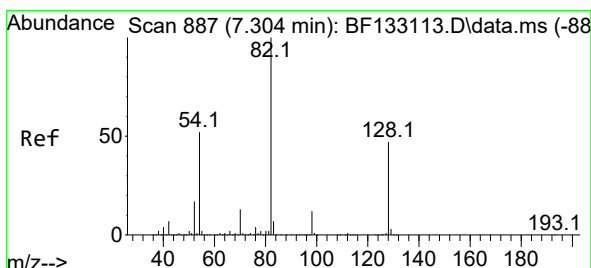
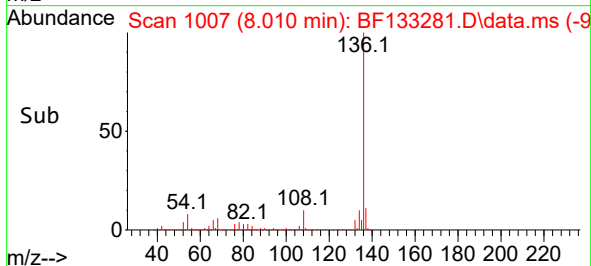
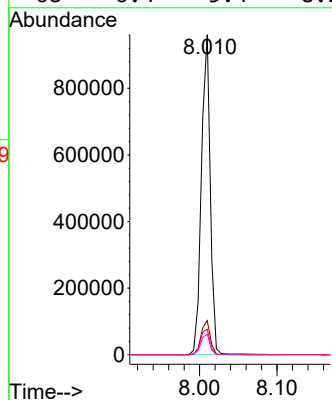
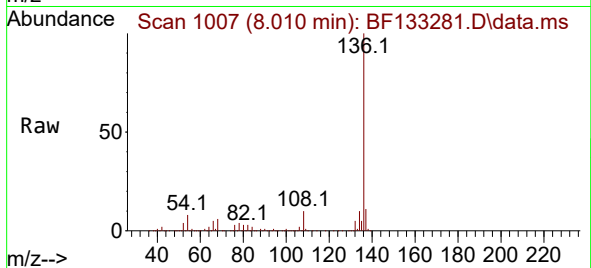
Ion Ratio Lower Upper

136 100

137 10.7 8.6 13.0

54 8.0 7.0 10.4

68 6.4 5.4 8.2



#23

Nitrobenzene-d5

Concen: 66.196 ng

RT: 7.292 min Scan# 885

Delta R.T. -0.006 min

Lab File: BF133281.D

Acq: 06 May 2023 00:28

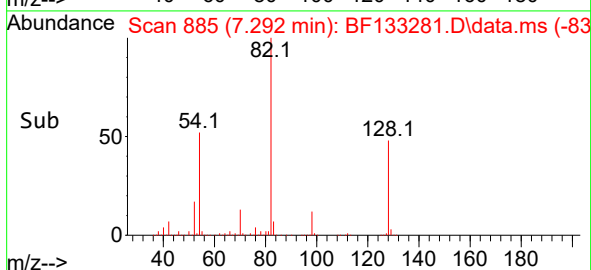
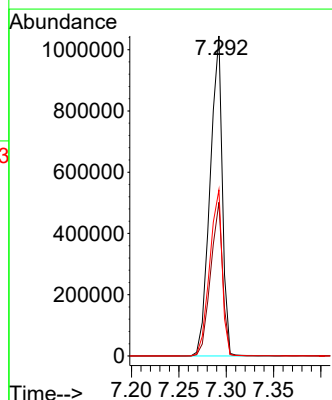
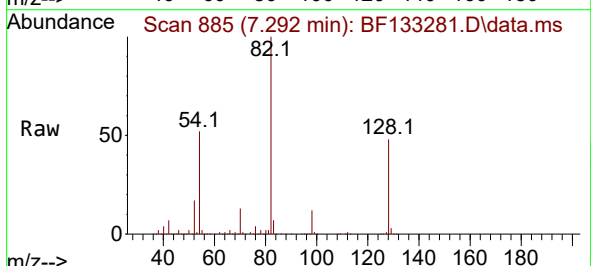
Tgt Ion: 82 Resp: 937819

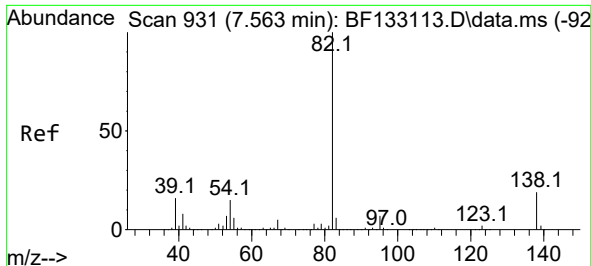
Ion Ratio Lower Upper

82 100

128 48.0 37.7 56.5

54 51.9 43.0 64.4

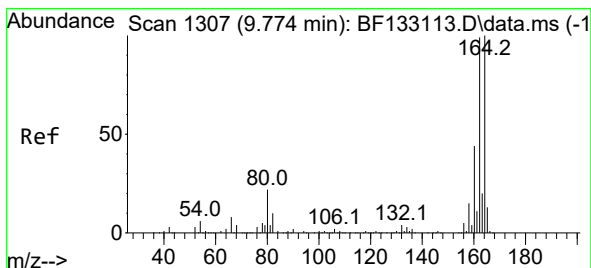
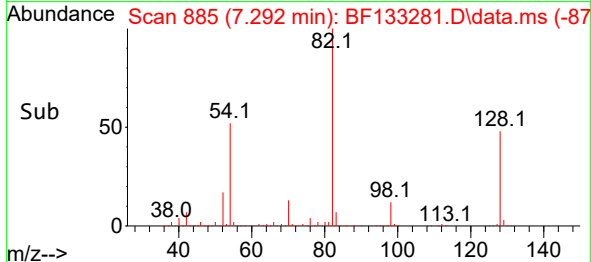
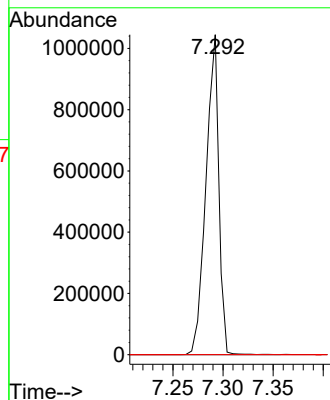
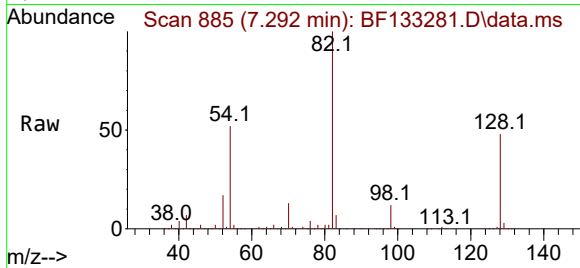




#25
Isophorone
Concen: 34.864 ng
RT: 7.292 min Scan# 81
Delta R.T. -0.259 min
Lab File: BF133281.D
Acq: 06 May 2023 00:28

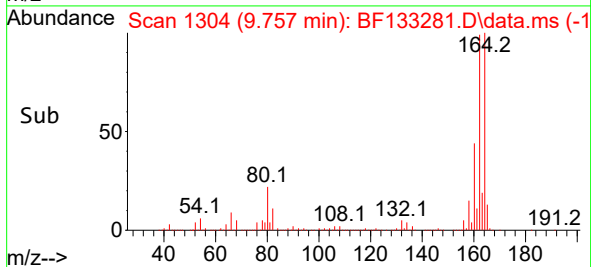
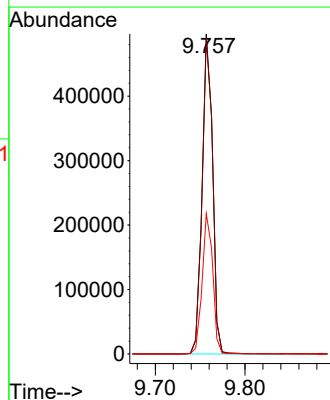
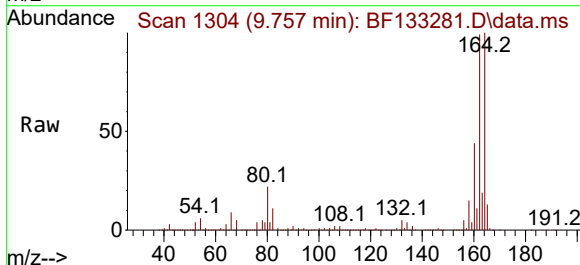
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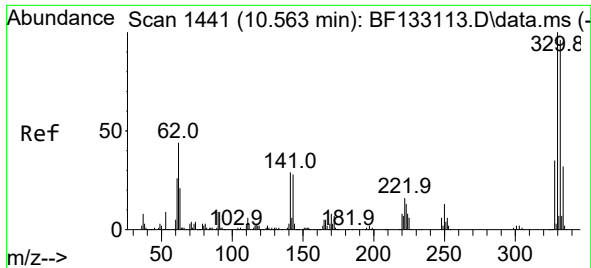
Tgt Ion: 82 Resp: 937801
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.0#
138 0.0 16.0 24.0#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BF133281.D
Acq: 06 May 2023 00:28

Tgt Ion: 164 Resp: 402003
Ion Ratio Lower Upper
164 100
162 98.5 78.7 118.1
160 43.8 35.8 53.6

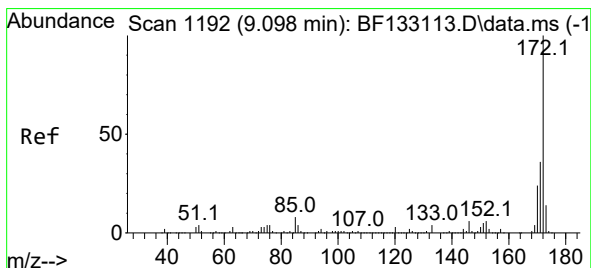
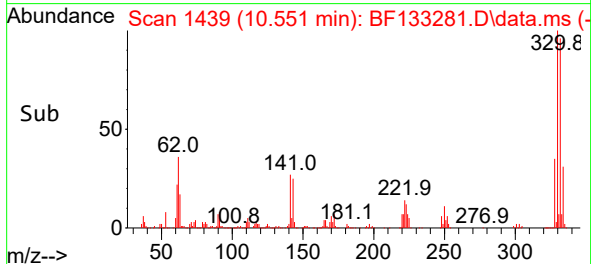
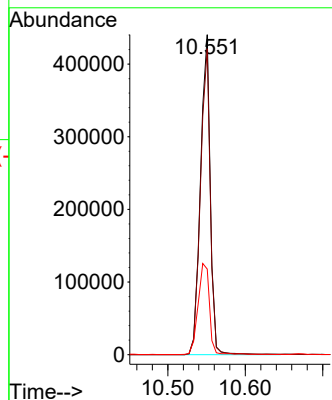
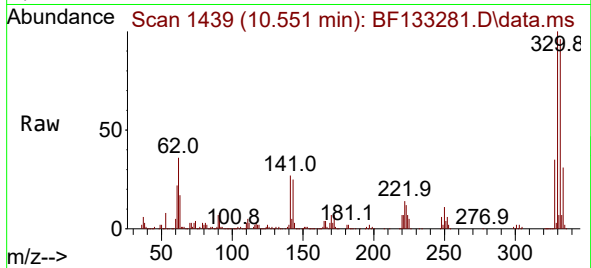




#42
2,4,6-Tribromophenol
Concen: 95.580 ng
RT: 10.551 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF133281.D
Acq: 06 May 2023 00:28

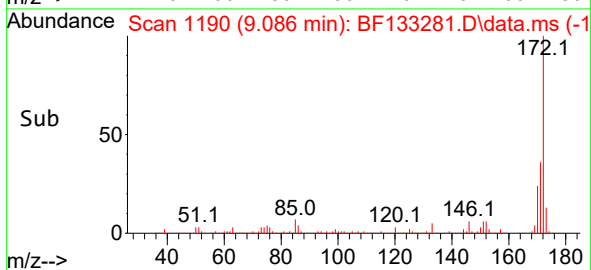
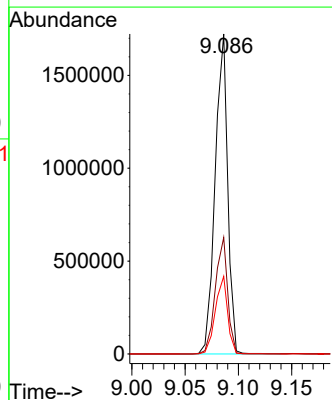
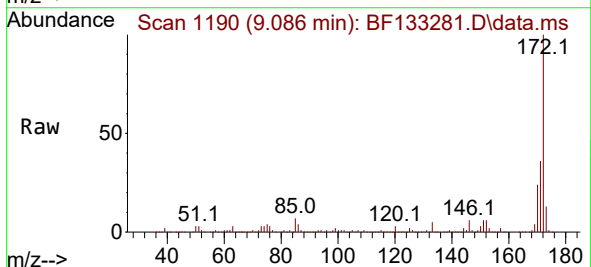
Instrument :
BNA_F
ClientSampleId :
VNJ-227

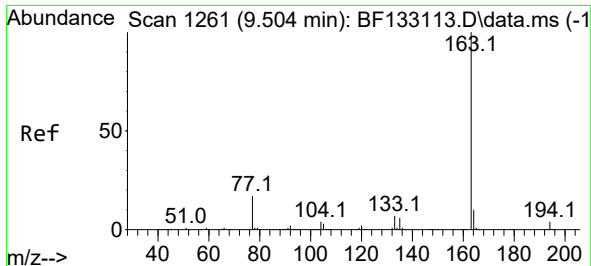
Tgt Ion:330 Resp: 386423
Ion Ratio Lower Upper
330 100
332 95.8 77.1 115.7
141 33.1 25.8 38.8



#45
2-Fluorobiphenyl
Concen: 58.891 ng
RT: 9.086 min Scan# 1190
Delta R.T. -0.006 min
Lab File: BF133281.D
Acq: 06 May 2023 00:28

Tgt Ion:172 Resp: 1415089
Ion Ratio Lower Upper
172 100
171 36.4 28.8 43.2
170 24.2 19.4 29.2

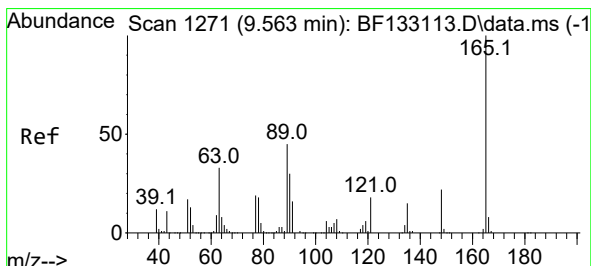
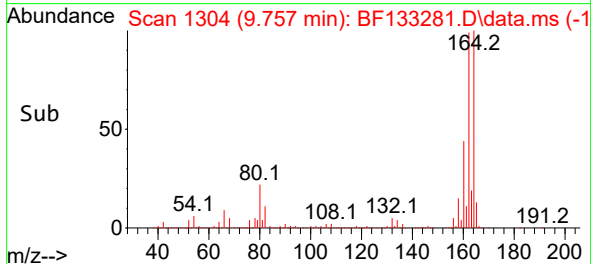
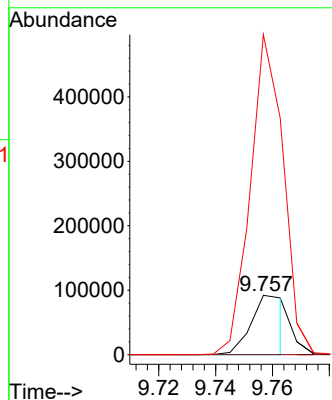
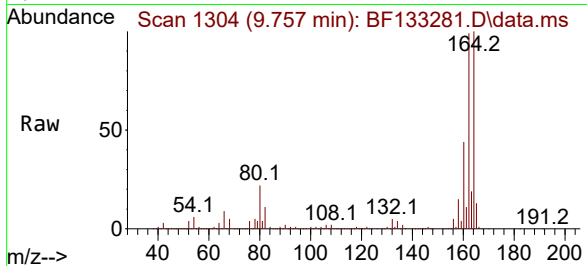




#50
 Dimethylphthalate
 Concen: 2.734 ng
 RT: 9.757 min Scan# 1304
 Delta R.T. 0.265 min
 Lab File: BF133281.D
 Acq: 06 May 2023 00:28

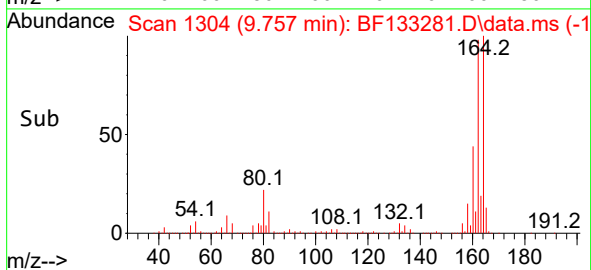
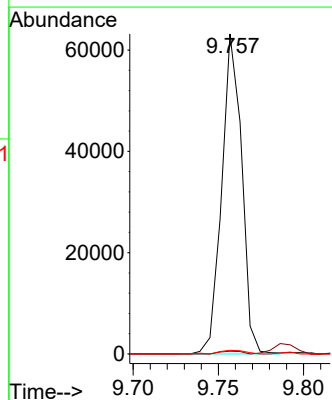
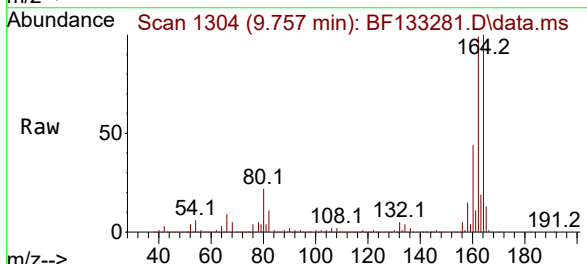
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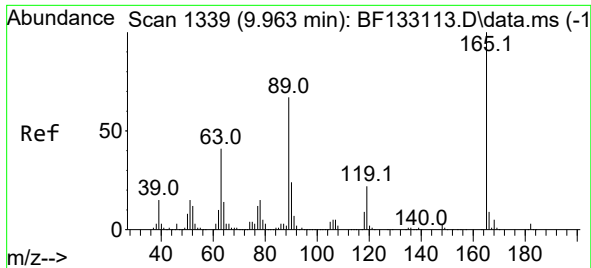
Tgt Ion:163 Resp: 76629
 Ion Ratio Lower Upper
 163 100
 194 0.0 3.1 4.7#
 164 539.4 8.5 12.7#



#51
 2,6-Dinitrotoluene
 Concen: 8.154 ng
 RT: 9.757 min Scan# 1304
 Delta R.T. 0.206 min
 Lab File: BF133281.D
 Acq: 06 May 2023 00:28

Tgt Ion:165 Resp: 51446
 Ion Ratio Lower Upper
 165 100
 63 0.9 45.9 68.9#
 89 1.2 44.0 66.0#

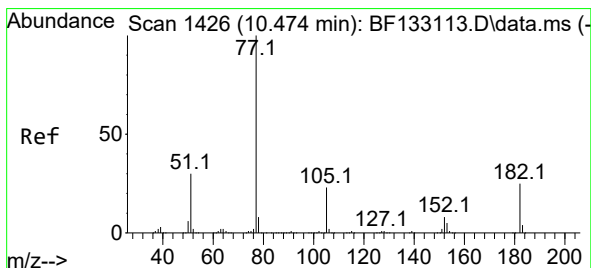
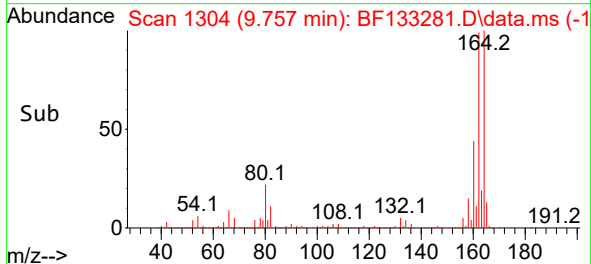
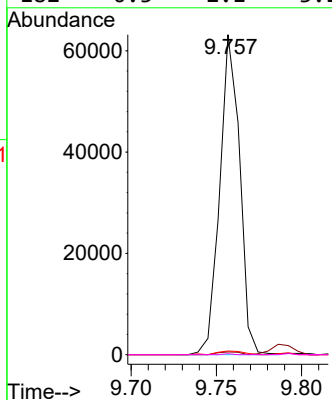
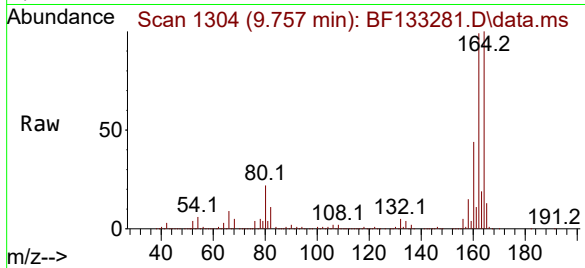




#57
2,4-Dinitrotoluene
Concen: 6.394 ng
RT: 9.757 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF133281.D
Acq: 06 May 2023 00:28

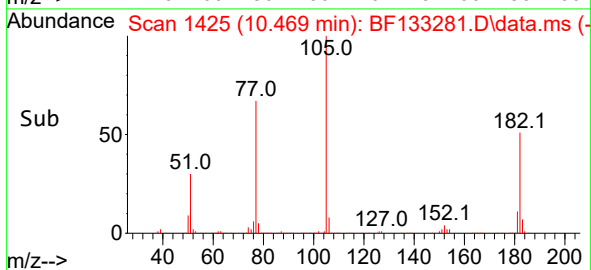
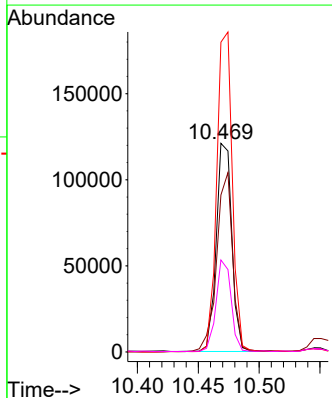
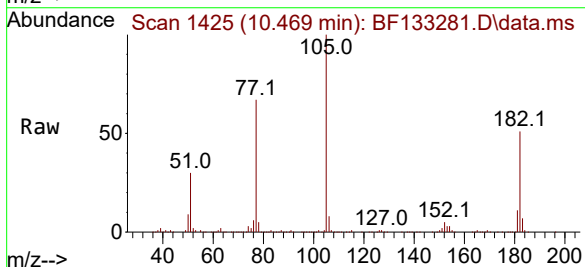
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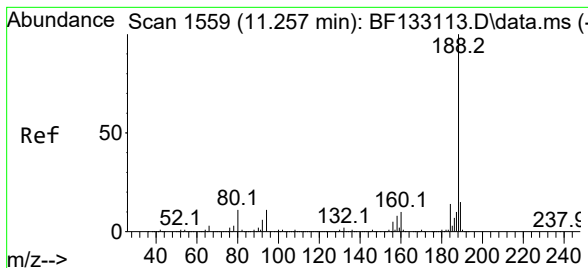
Tgt Ion:165 Resp: 51446
Ion Ratio Lower Upper
165 100
63 0.9 37.7 56.5#
89 1.2 57.0 85.4#
182 0.3 2.1 3.1#



#63
Azobenzene
Concen: 3.860 ng
RT: 10.469 min Scan# 1425
Delta R.T. -0.000 min
Lab File: BF133281.D
Acq: 06 May 2023 00:28

Tgt Ion: 77 Resp: 108272
Ion Ratio Lower Upper
77 100
182 75.3 5.9 45.9#
105 148.5 2.3 42.3#
51 44.1 11.1 51.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.239 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF133281.D

Acq: 06 May 2023 00:28

Instrument :

BNA_F

ClientSampleId :

VNJ-227

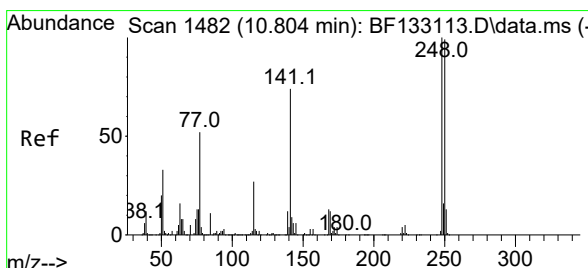
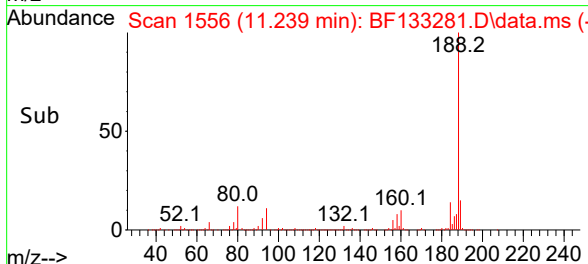
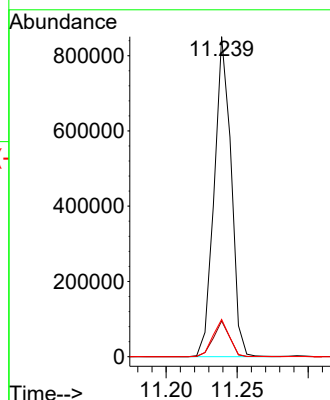
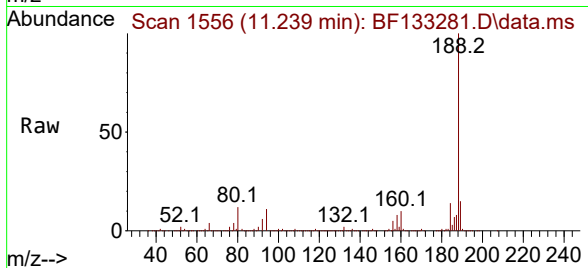
Tgt Ion:188 Resp: 704429

Ion Ratio Lower Upper

188 100

94 11.1 9.7 14.5

80 11.7 10.4 15.6



#67

4-Bromophenyl-phenylether

Concen: 3.220 ng

RT: 10.551 min Scan# 1439

Delta R.T. -0.241 min

Lab File: BF133281.D

Acq: 06 May 2023 00:28

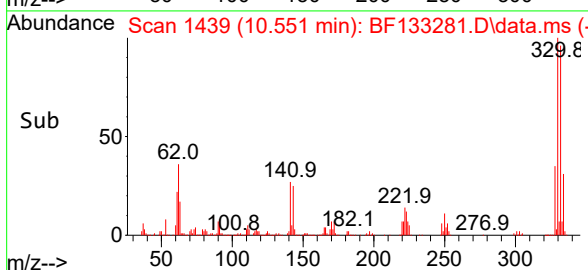
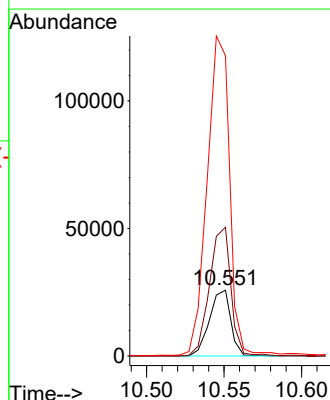
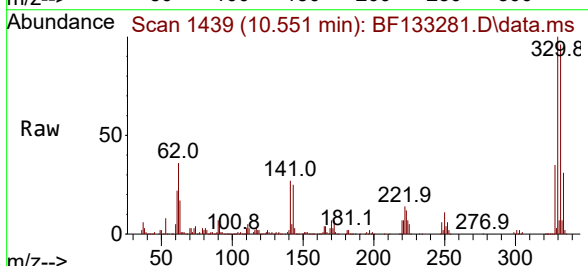
Tgt Ion:248 Resp: 24604

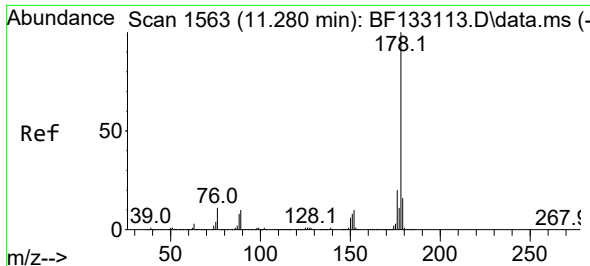
Ion Ratio Lower Upper

248 100

250 195.8 78.7 118.1#

141 456.9 56.3 84.5#

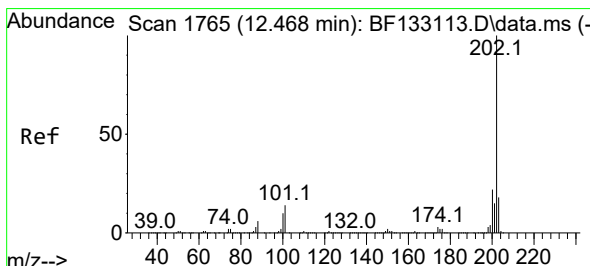
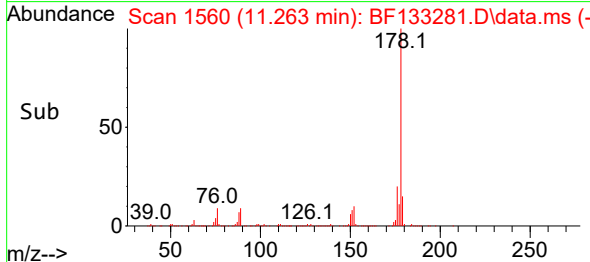
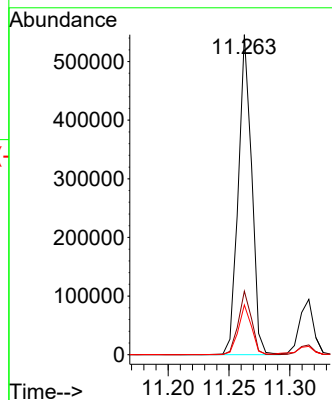
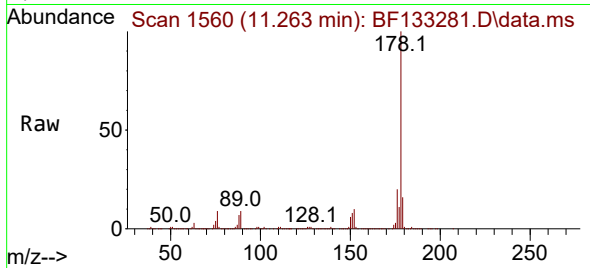




#71
Phenanthrene
Concen: 10.985 ng
RT: 11.263 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133281.D
Acq: 06 May 2023 00:28

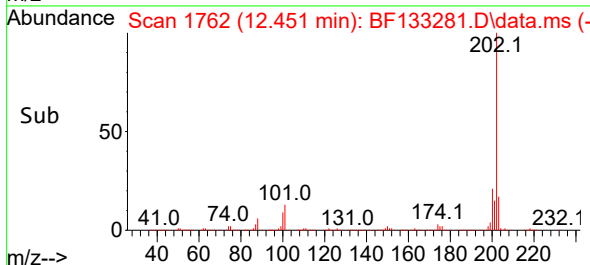
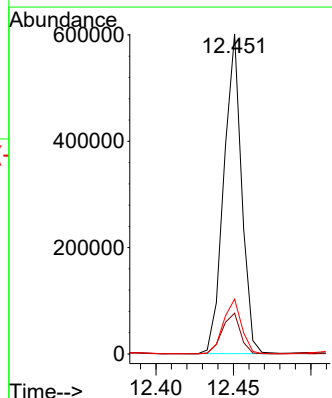
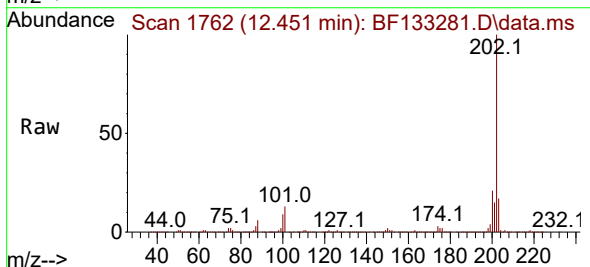
Instrument :
BNA_F
ClientSampleId :
VNJ-227

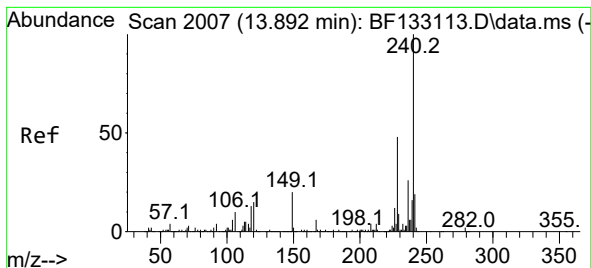
Tgt Ion:178 Resp: 415902
Ion Ratio Lower Upper
178 100
176 19.8 15.9 23.9
179 15.5 12.5 18.7



#75
Fluoranthene
Concen: 12.602 ng
RT: 12.451 min Scan# 1762
Delta R.T. -0.006 min
Lab File: BF133281.D
Acq: 06 May 2023 00:28

Tgt Ion:202 Resp: 478866
Ion Ratio Lower Upper
202 100
101 12.8 0.0 35.3
203 17.2 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.874 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF133281.D

Acq: 06 May 2023 00:28

Instrument :

BNA_F

ClientSampleId :

VNJ-227

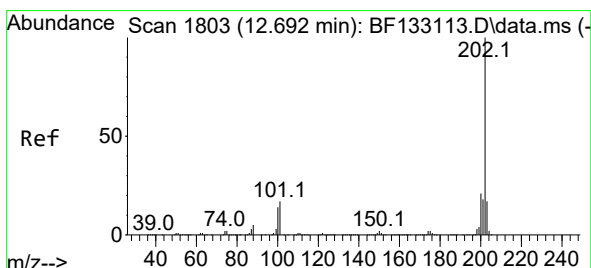
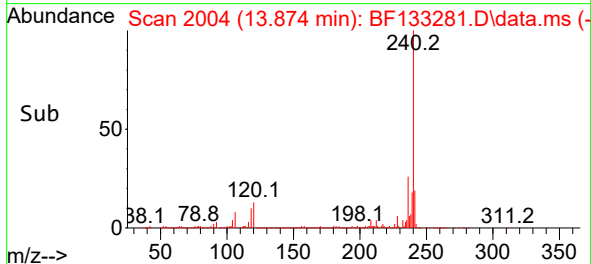
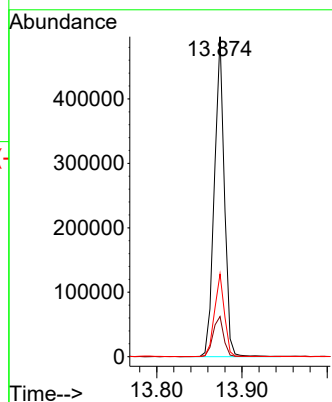
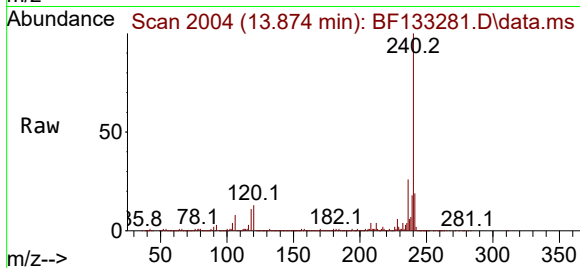
Tgt Ion:240 Resp: 405108

Ion Ratio Lower Upper

240 100

120 12.5 10.5 15.7

236 25.8 21.5 32.3



#78

Pyrene

Concen: 12.605 ng

RT: 12.674 min Scan# 1800

Delta R.T. -0.012 min

Lab File: BF133281.D

Acq: 06 May 2023 00:28

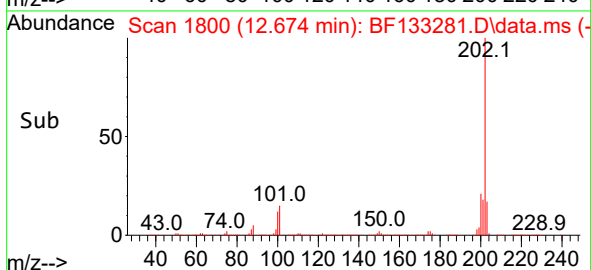
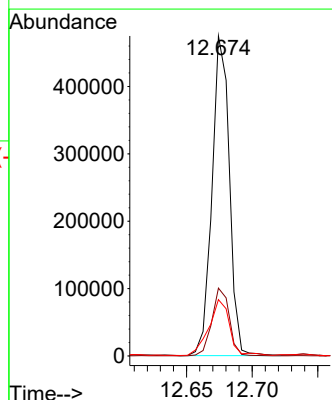
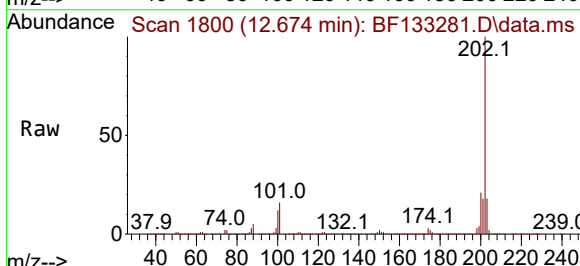
Tgt Ion:202 Resp: 437720

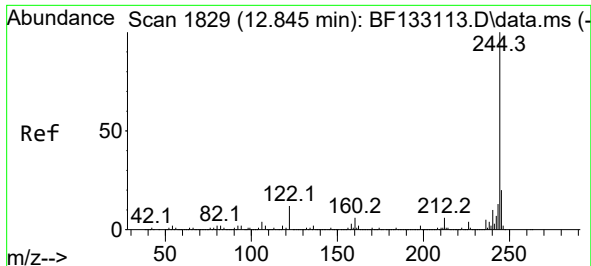
Ion Ratio Lower Upper

202 100

200 21.2 17.1 25.7

203 17.6 14.1 21.1

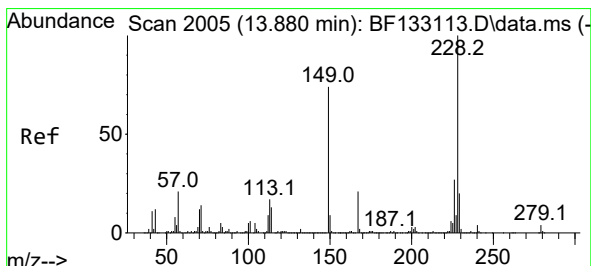
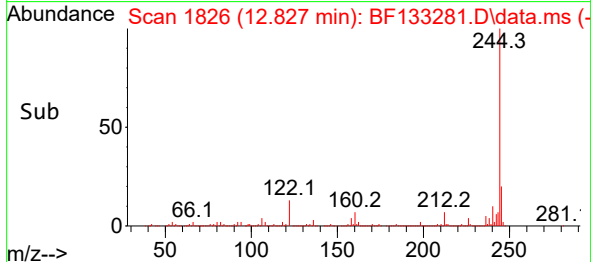
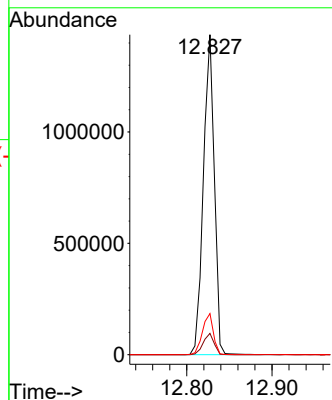
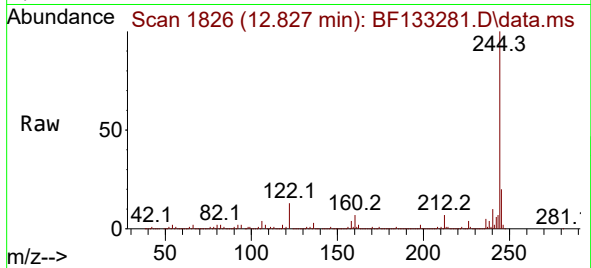




#79
 Terphenyl-d14
 Concen: 54.403 ng
 RT: 12.827 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF133281.D
 Acq: 06 May 2023 00:28

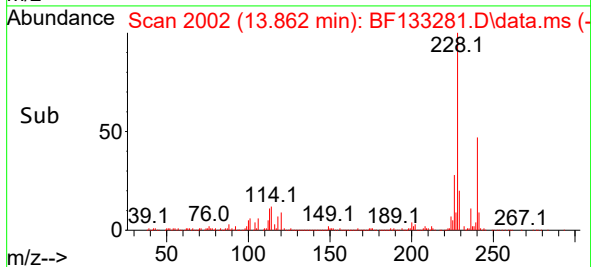
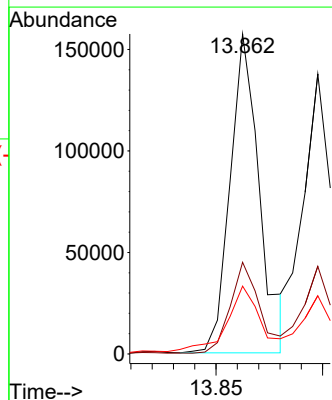
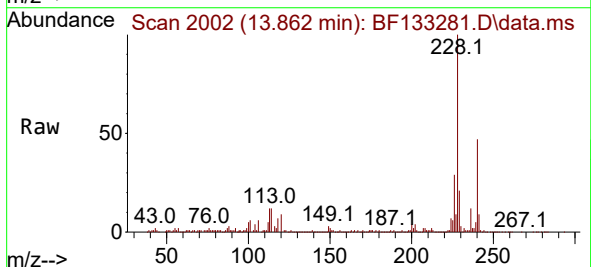
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-227

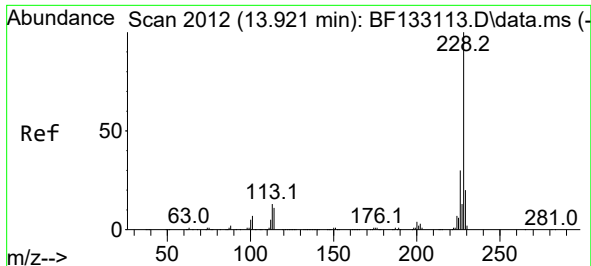
Tgt Ion:244 Resp: 1277865
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.1 7.7
 122 12.8 8.6 13.0



#81
 Benzo(a)anthracene
 Concen: 5.412 ng
 RT: 13.862 min Scan# 2002
 Delta R.T. -0.006 min
 Lab File: BF133281.D
 Acq: 06 May 2023 00:28

Tgt Ion:228 Resp: 150756
 Ion Ratio Lower Upper
 228 100
 226 28.6 22.2 33.4
 229 21.2 16.0 24.0

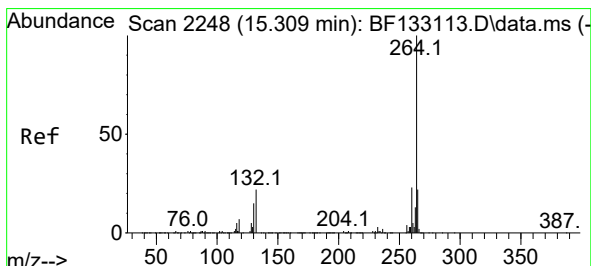
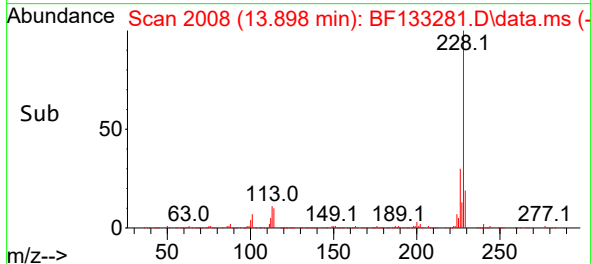
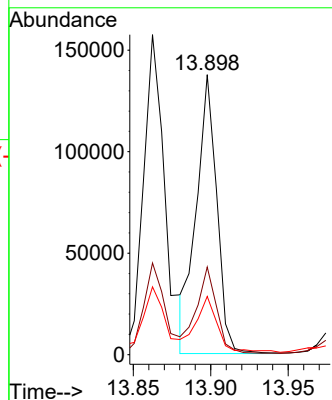
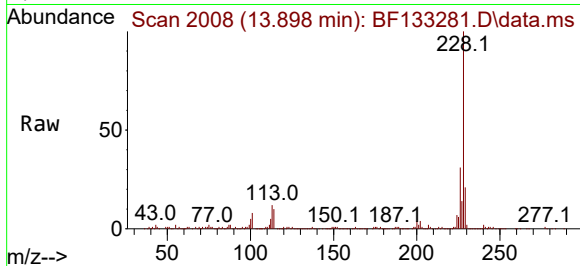




#83
Chrysene
Concen: 4.531 ng
RT: 13.898 min Scan# 2012
Delta R.T. -0.012 min
Lab File: BF133281.D
Acq: 06 May 2023 00:28

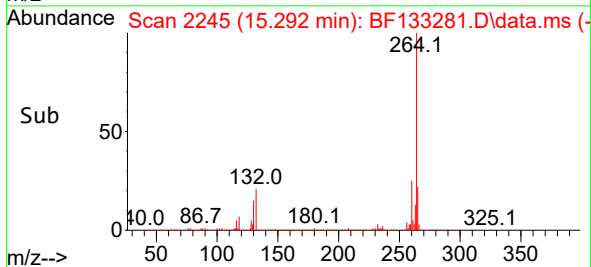
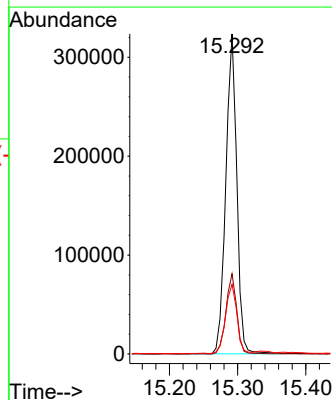
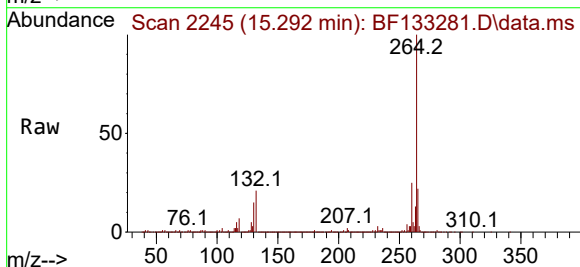
Instrument :
BNA_F
ClientSampleId :
VNJ-227

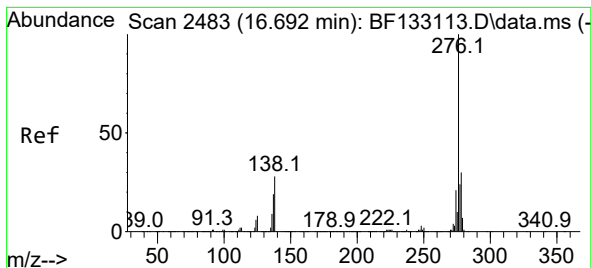
Tgt Ion:228 Resp: 126194
Ion Ratio Lower Upper
228 100
226 31.3 24.7 37.1
229 20.8 16.1 24.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.292 min Scan# 2245
Delta R.T. -0.000 min
Lab File: BF133281.D
Acq: 06 May 2023 00:28

Tgt Ion:264 Resp: 362908
Ion Ratio Lower Upper
264 100
260 25.0 18.8 28.2
265 21.7 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.461 ng

RT: 16.656 min Scan# 2483

Delta R.T. -0.018 min

Lab File: BF133281.D

Acq: 06 May 2023 00:28

Instrument :

BNA_F

ClientSampleId :

VNJ-227

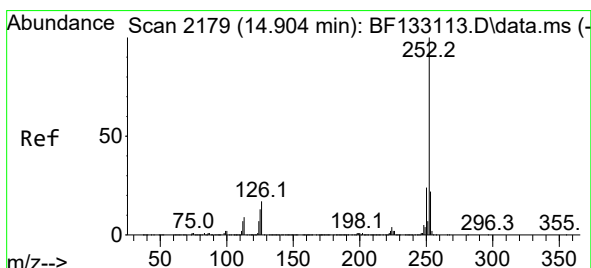
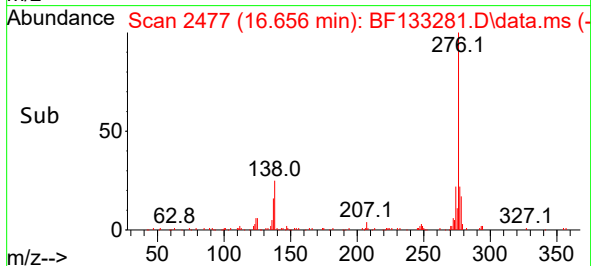
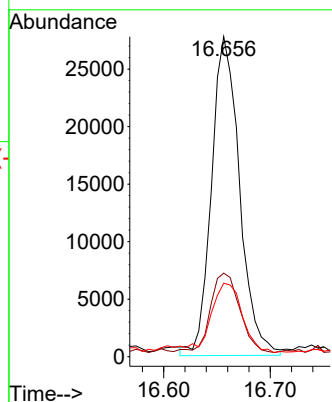
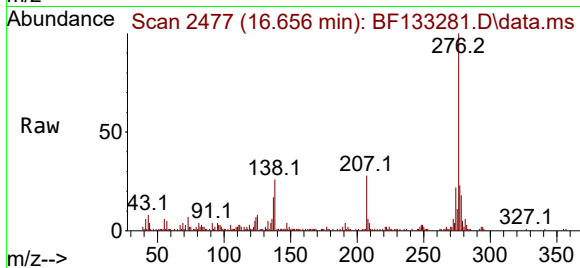
Tgt Ion:276 Resp: 50796

Ion Ratio Lower Upper

276 100

138 29.2 25.5 38.3

277 25.1 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 6.883 ng

RT: 14.886 min Scan# 2176

Delta R.T. -0.006 min

Lab File: BF133281.D

Acq: 06 May 2023 00:28

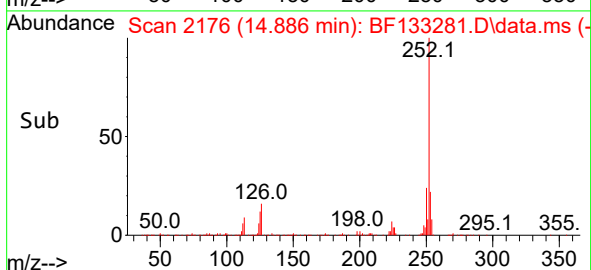
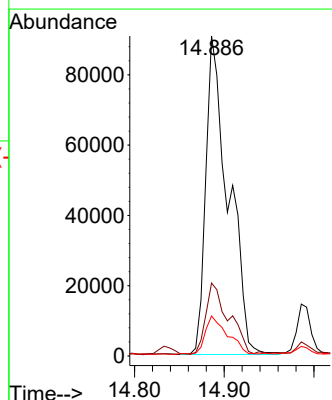
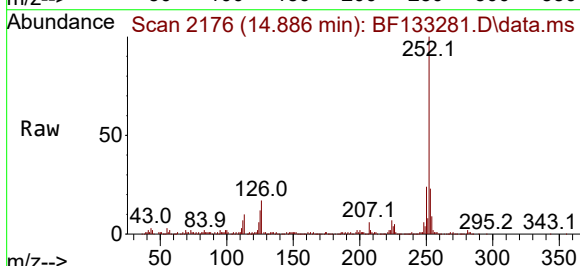
Tgt Ion:252 Resp: 158917

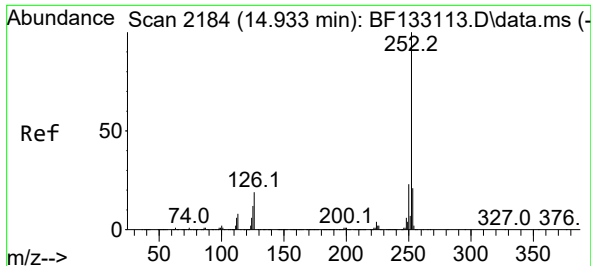
Ion Ratio Lower Upper

252 100

253 22.8 17.6 26.4

125 12.5 8.9 13.3





#89

Benzo(k)fluoranthene

Concen: 6.944 ng

RT: 14.886 min Scan# 2184

Delta R.T. -0.035 min

Lab File: BF133281.D

Acq: 06 May 2023 00:28

Instrument :

BNA_F

ClientSampleId :

VNJ-227

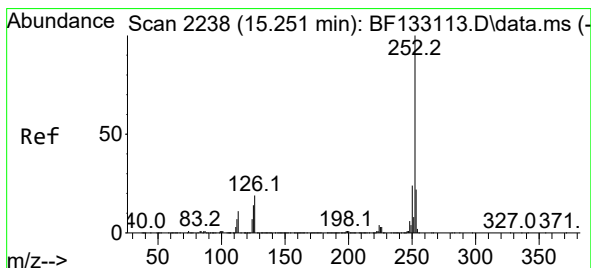
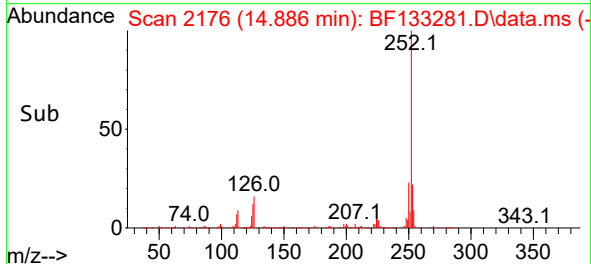
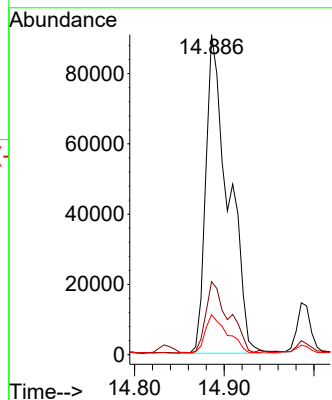
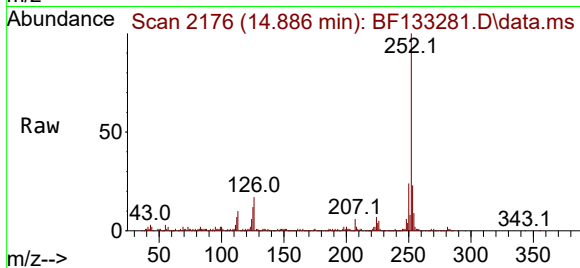
Tgt Ion:252 Resp: 158917

Ion Ratio Lower Upper

252 100

253 22.8 17.7 26.5

125 12.5 9.0 13.4



#90

Benzo(a)pyrene

Concen: 3.914 ng

RT: 15.227 min Scan# 2234

Delta R.T. -0.012 min

Lab File: BF133281.D

Acq: 06 May 2023 00:28

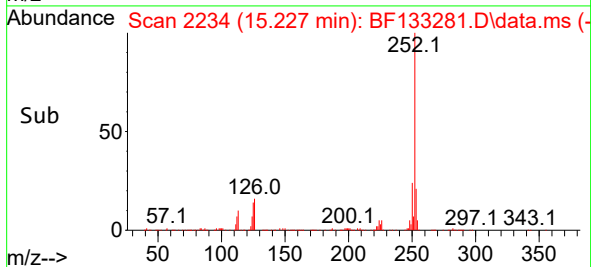
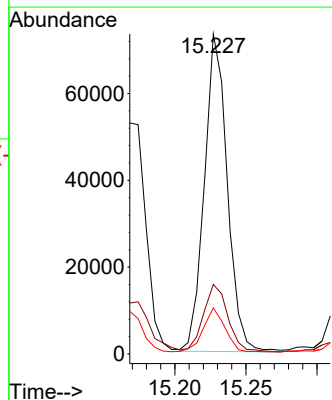
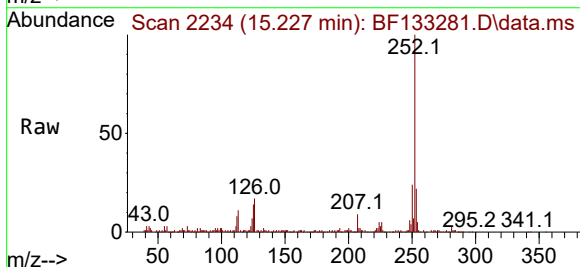
Tgt Ion:252 Resp: 82249

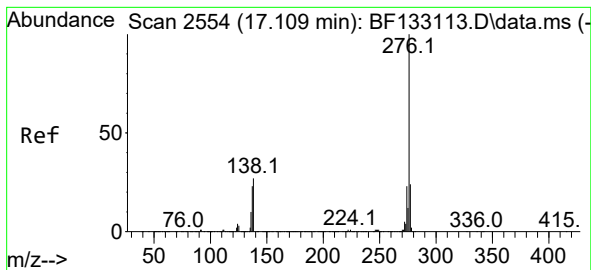
Ion Ratio Lower Upper

252 100

253 21.7 17.7 26.5

125 14.4 10.5 15.7





#92

Benzo(g,h,i)perylene

Concen: 2.983 ng

RT: 17.068 min Scan# 2

Delta R.T. -0.024 min

Lab File: BF133281.D

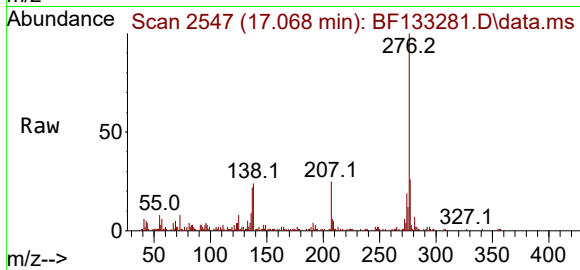
Acq: 06 May 2023 00:28

Instrument :

BNA_F

ClientSampleId :

VNJ-227



Tgt Ion:276 Resp: 50705

Ion Ratio Lower Upper

276 100

277 25.9 19.4 29.0

138 24.1 22.7 34.1

