

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081922\
 Data File : BF129931.D
 Acq On : 20 Aug 2022 02:55
 Operator : CG\JU
 Sample : N4213-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-226

Quant Time: Aug 20 07:59:34 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 20 07:47:33 2022
 Response via : Initial Calibration

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

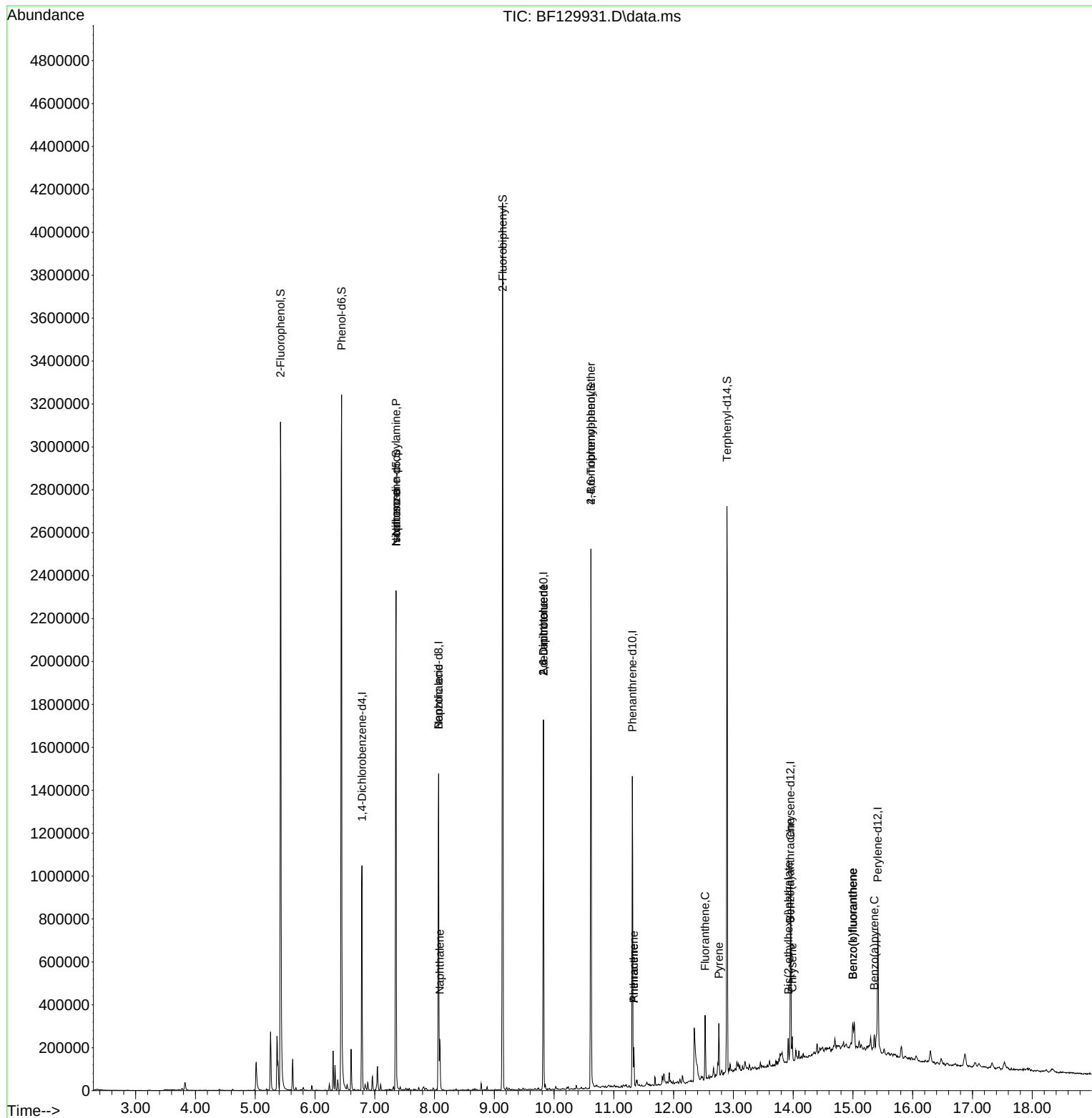
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	155683	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	620376	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	318362	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	481882	20.000	ng	0.00
76) Chrysene-d12	13.957	240	260381	20.000	ng	0.00
86) Perylene-d12	15.415	264	261002	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	919658	97.806	ng	0.00
7) Phenol-d6	6.445	99	1148838	97.566	ng	0.00
23) Nitrobenzene-d5	7.357	82	733741	63.314	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	281314	88.042	ng	0.00
45) 2-Fluorobiphenyl	9.139	172	1194202	56.972	ng	0.00
79) Terphenyl-d14	12.892	244	875966	55.978	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.334	77	4836	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.357	70	97859	13.148	ng	# 75
25) Isophorone	7.357	82	733737	36.786	ng	# 65
31) Naphthalene	8.087	128	99055	3.054	ng	# 99
32) Benzoic acid	8.069	122	127	2.194	ng	# 1
51) 2,6-Dinitrotoluene	9.822	165	42187	8.521	ng	# 23
57) 2,4-Dinitrotoluene	9.822	165	42187	6.564	ng	# 18
67) 4-Bromophenyl-phenylether	10.616	248	16747	2.967	ng	# 1
71) Phenanthrene	11.333	178	59189	2.199	ng	# 98
72) Anthracene	11.333	178	59189	2.212	ng	# 99
75) Fluoranthene	12.527	202	108974	3.957	ng	# 98
77) Benzidine	12.892	184	12882	Below Cal	#	91
78) Pyrene	12.757	202	91866	4.060	ng	# 97
81) Benzo(a)anthracene	13.951	228	41116	2.295	ng	# 99
83) Chrysene	13.986	228	44701	2.666	ng	# 97
84) Bis(2-ethylhexyl)phtha...	13.921	149	33143	2.918	ng	# 96
88) Benzo(b)fluoranthene	14.998	252	72786	4.073	ng	# 96
89) Benzo(k)fluoranthene	14.998	252	72786	4.247	ng	# 95
90) Benzo(a)pyrene	15.357	252	33984	2.415	ng	# 92

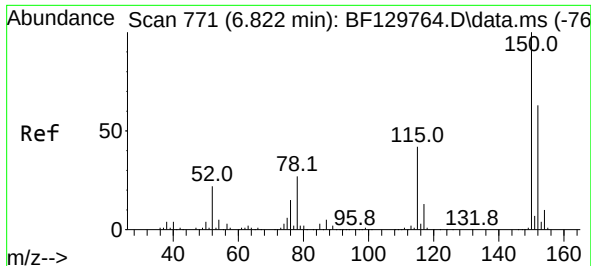
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081922\
Data File : BF129931.D
Acq On : 20 Aug 2022 02:55
Operator : CG\JU
Sample : N4213-03
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-226

Quant Time: Aug 20 07:59:34 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 20 07:47:33 2022
Response via : Initial Calibration

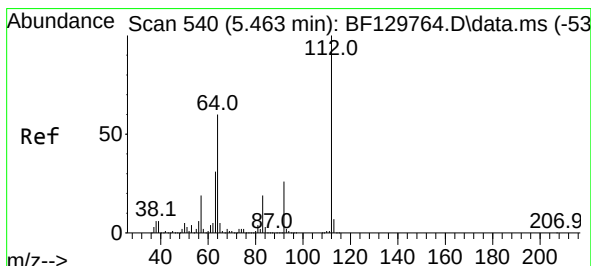
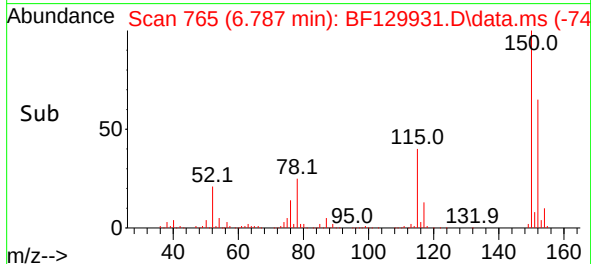
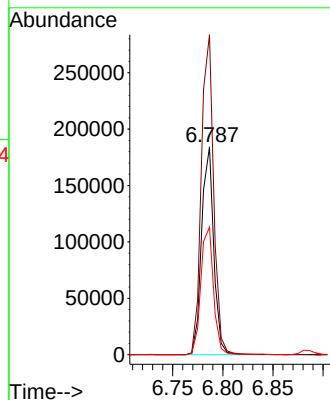
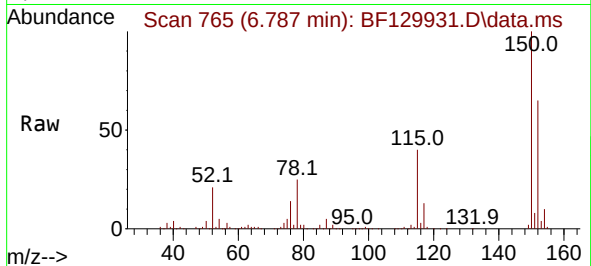




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.787 min Scan# 70
 Delta R.T. -0.000 min
 Lab File: BF129931.D
 Acq: 20 Aug 2022 02:55

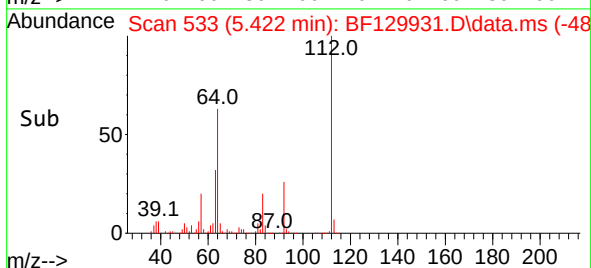
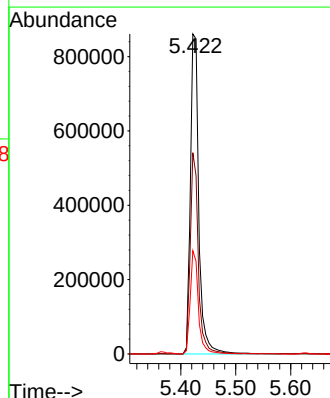
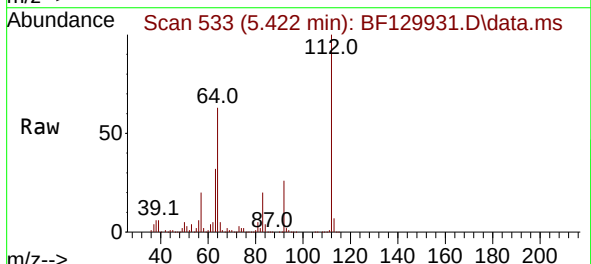
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-226

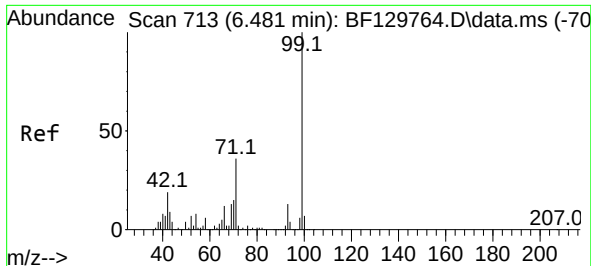
Tgt Ion:152 Resp: 155683
 Ion Ratio Lower Upper
 152 100
 150 153.9 126.9 190.3
 115 61.3 53.4 80.0



#5
 2-Fluorophenol
 Concen: 97.806 ng
 RT: 5.422 min Scan# 533
 Delta R.T. 0.000 min
 Lab File: BF129931.D
 Acq: 20 Aug 2022 02:55

Tgt Ion:112 Resp: 919658
 Ion Ratio Lower Upper
 112 100
 64 62.9 47.6 71.4
 63 32.2 24.6 37.0





#7

Phenol-d6

Concen: 97.566 ng

RT: 6.445 min Scan# 70

Delta R.T. 0.000 min

Lab File: BF129931.D

Acq: 20 Aug 2022 02:55

Instrument :

BNA_F

ClientSampleId :

VNJ-226

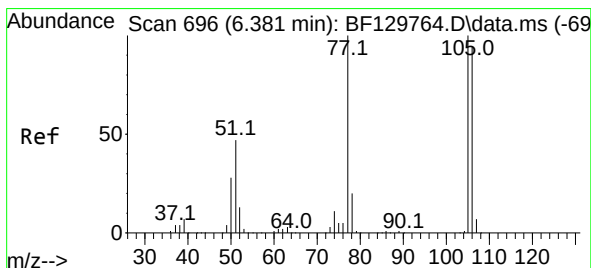
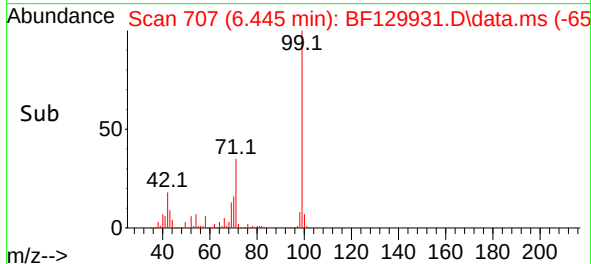
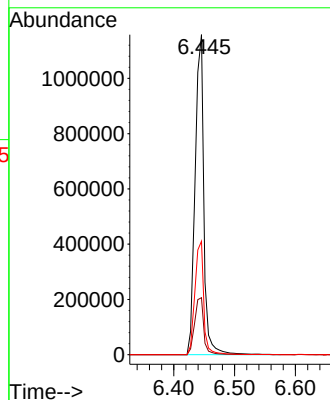
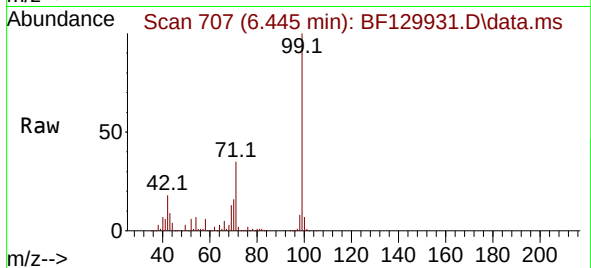
Tgt Ion: 99 Resp: 1148838

Ion Ratio Lower Upper

99 100

42 17.8 15.0 22.4

71 35.5 28.8 43.2



#9

Benzaldehyde

Concen: Below Cal

RT: 6.334 min Scan# 688

Delta R.T. -0.012 min

Lab File: BF129931.D

Acq: 20 Aug 2022 02:55

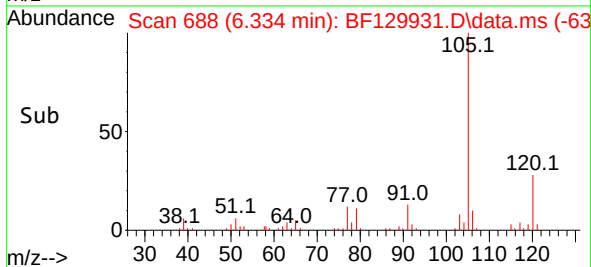
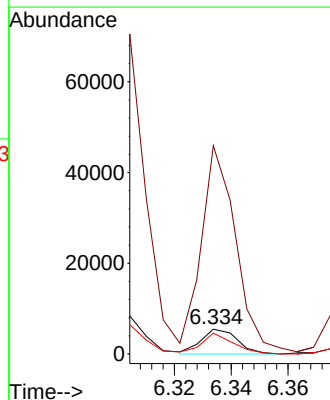
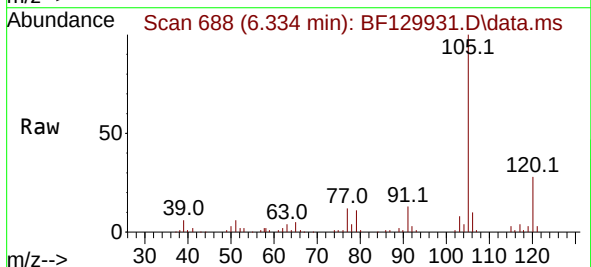
Tgt Ion: 77 Resp: 4836

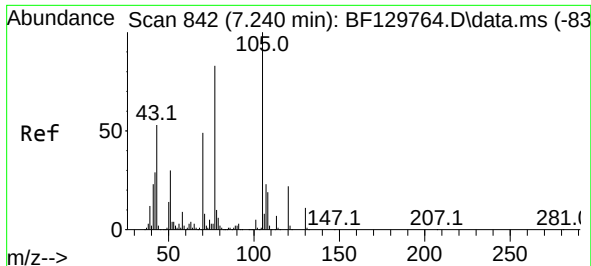
Ion Ratio Lower Upper

77 100

105 840.1 80.3 120.3#

106 84.0 74.3 114.3

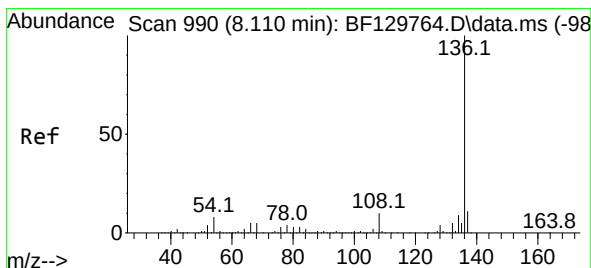
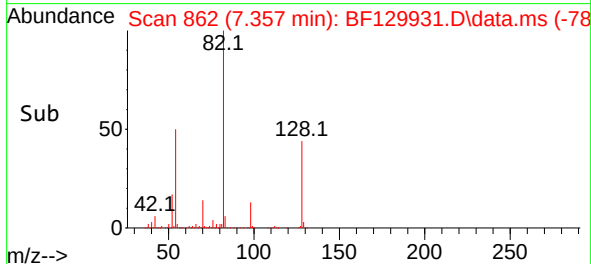
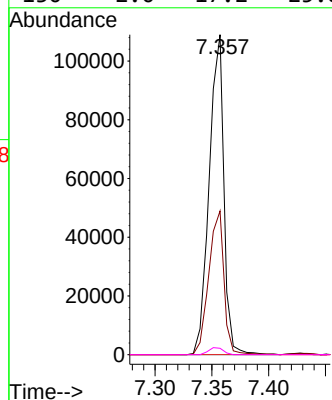
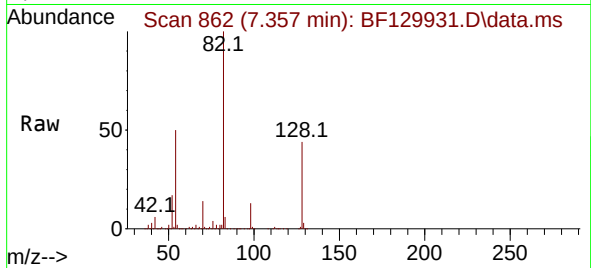




#19
n-Nitroso-di-n-propylamine
Concen: 13.148 ng
RT: 7.357 min Scan# 80
Delta R.T. 0.153 min
Lab File: BF129931.D
Acq: 20 Aug 2022 02:55

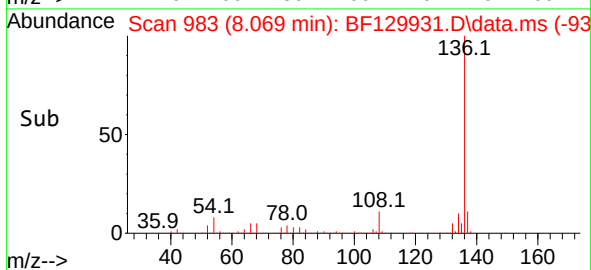
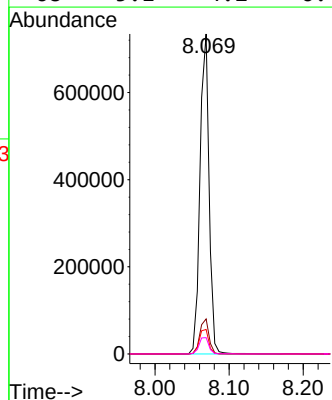
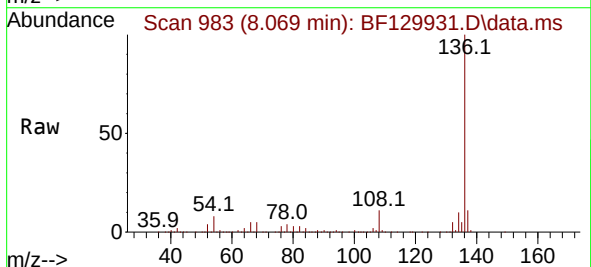
Instrument :
BNA_F
ClientSampleId :
VNJ-226

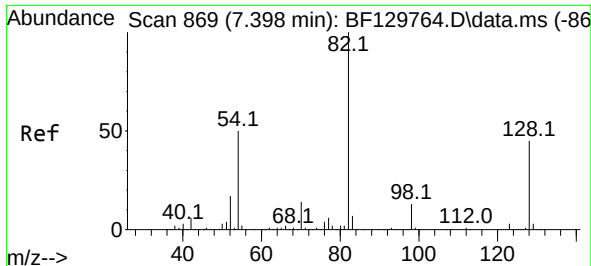
Tgt Ion: 70 Resp: 97859
Ion Ratio Lower Upper
70 100
42 44.9 47.6 71.4#
101 0.0 8.1 12.1#
130 2.0 17.2 25.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 983
Delta R.T. 0.000 min
Lab File: BF129931.D
Acq: 20 Aug 2022 02:55

Tgt Ion: 136 Resp: 620376
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 7.6 6.2 9.2
68 5.1 4.2 6.4

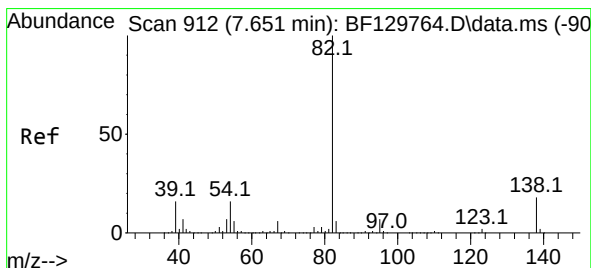
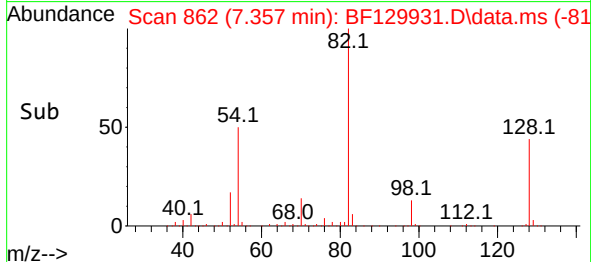
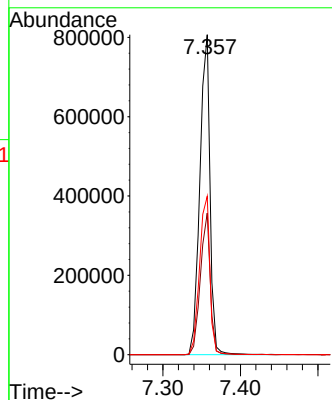
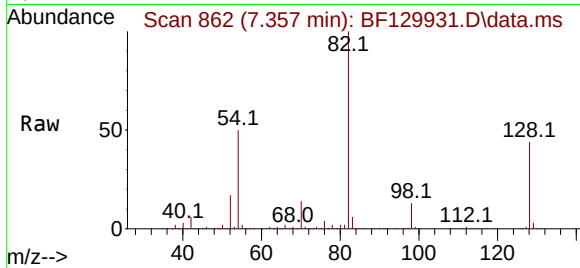




#23
Nitrobenzene-d5
Concen: 63.314 ng
RT: 7.357 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF129931.D
Acq: 20 Aug 2022 02:55

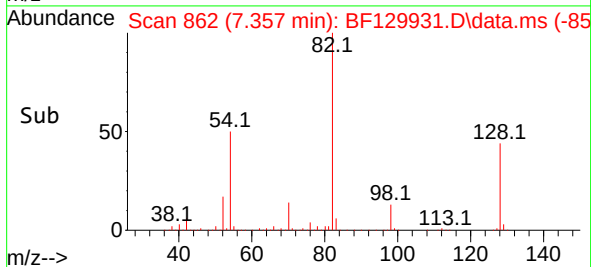
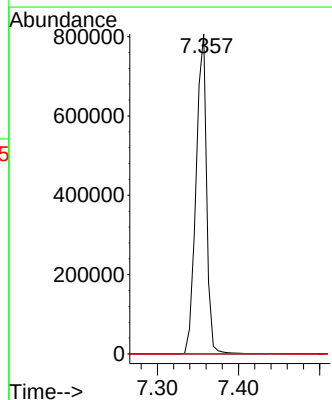
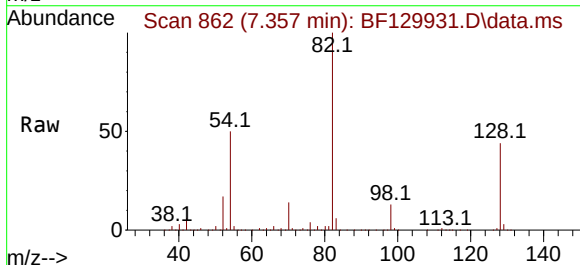
Instrument :
BNA_F
ClientSampleId :
VNJ-226

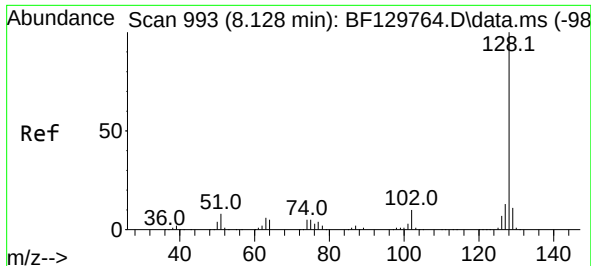
Tgt Ion: 82 Resp: 733741
Ion Ratio Lower Upper
82 100
128 44.3 36.1 54.1
54 49.5 40.0 60.0



#25
Isophorone
Concen: 36.786 ng
RT: 7.357 min Scan# 862
Delta R.T. -0.259 min
Lab File: BF129931.D
Acq: 20 Aug 2022 02:55

Tgt Ion: 82 Resp: 733737
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 14.6 21.8#





#31

Naphthalene

Concen: 3.054 ng

RT: 8.087 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF129931.D

Acq: 20 Aug 2022 02:55

Instrument :

BNA_F

ClientSampleId :

VNJ-226

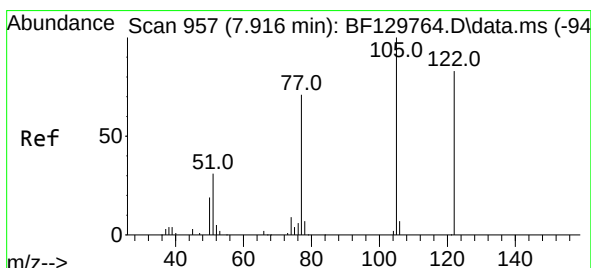
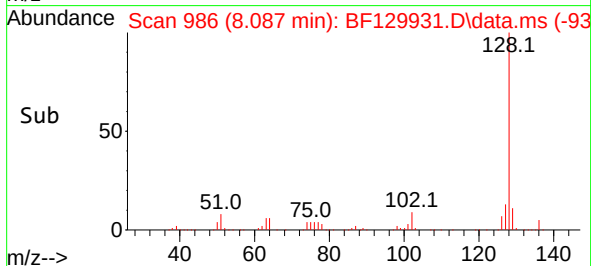
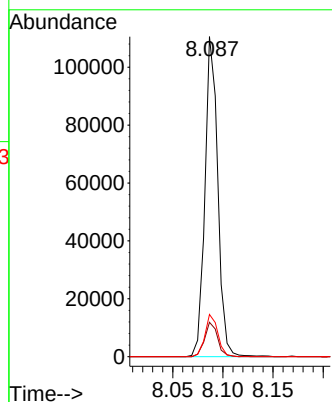
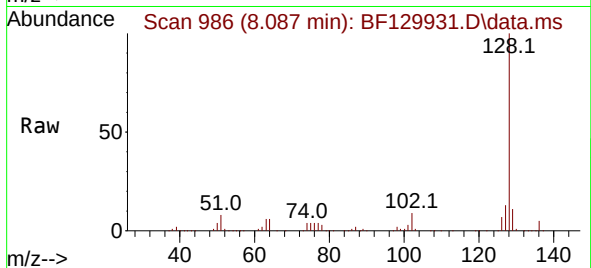
Tgt Ion:128 Resp: 99055

Ion Ratio Lower Upper

128 100

129 10.8 8.9 13.3

127 13.2 10.7 16.1



#32

Benzoic acid

Concen: 2.194 ng

RT: 8.069 min Scan# 983

Delta R.T. 0.194 min

Lab File: BF129931.D

Acq: 20 Aug 2022 02:55

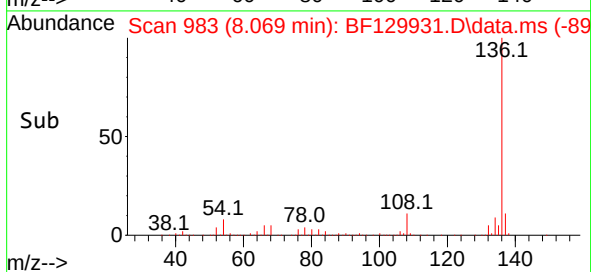
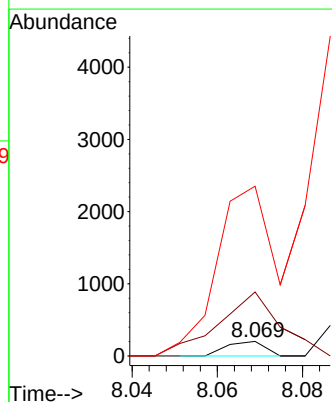
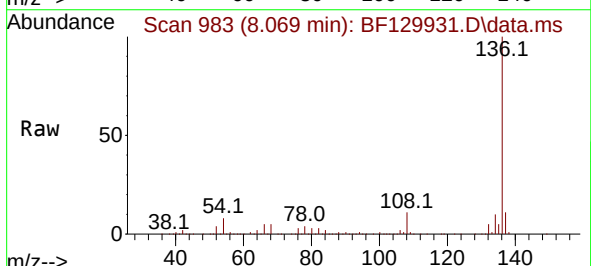
Tgt Ion:122 Resp: 127

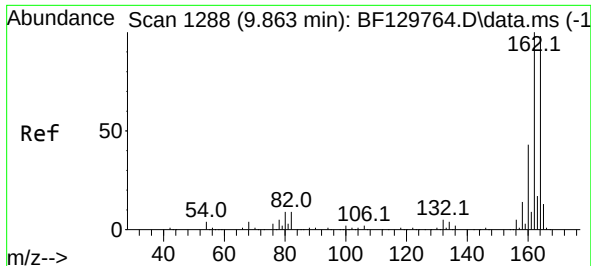
Ion Ratio Lower Upper

122 100

105 440.8 99.9 139.9#

77 1170.1 65.9 105.9#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.822 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF129931.D

Acq: 20 Aug 2022 02:55

Instrument :

BNA_F

ClientSampleId :

VNJ-226

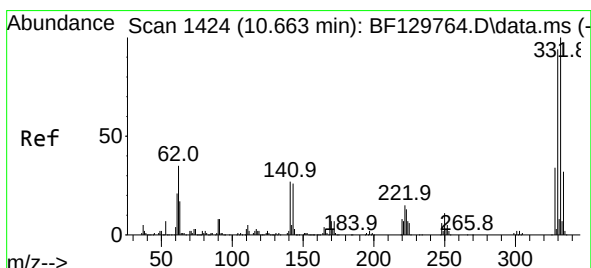
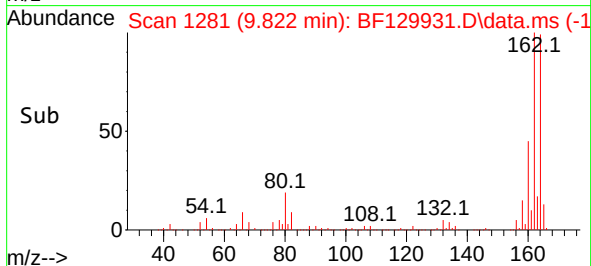
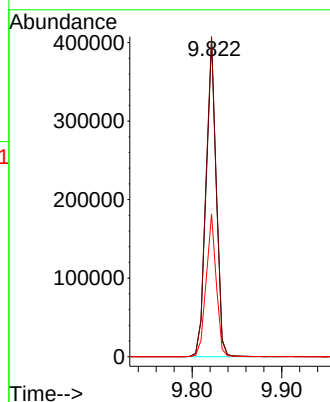
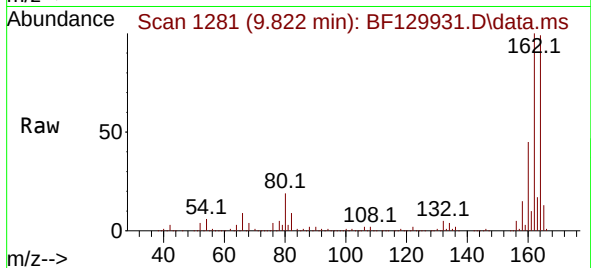
Tgt Ion:164 Resp: 318362

Ion Ratio Lower Upper

164 100

162 100.9 82.0 123.0

160 45.0 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 88.042 ng

RT: 10.616 min Scan# 1416

Delta R.T. -0.006 min

Lab File: BF129931.D

Acq: 20 Aug 2022 02:55

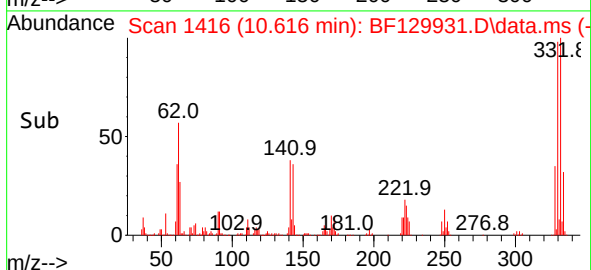
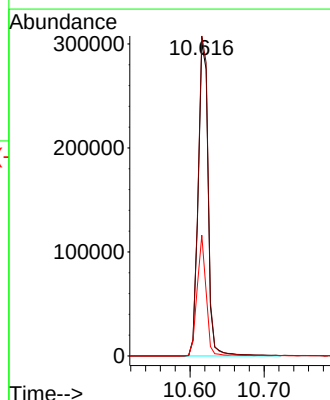
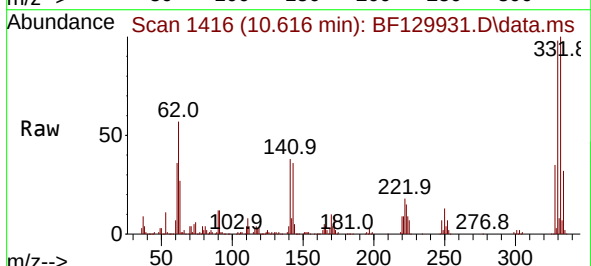
Tgt Ion:330 Resp: 281314

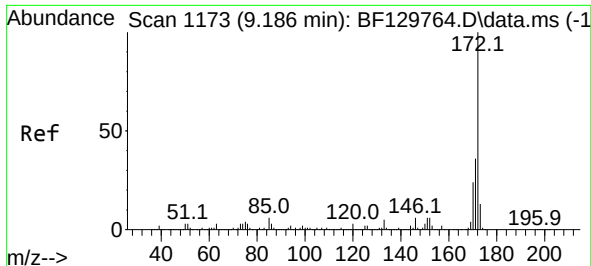
Ion Ratio Lower Upper

330 100

332 102.8 82.6 124.0

141 34.4 27.6 41.4





#45

2-Fluorobiphenyl

Concen: 56.972 ng

RT: 9.139 min Scan# 1173

Delta R.T. -0.006 min

Lab File: BF129931.D

Acq: 20 Aug 2022 02:55

Instrument :

BNA_F

ClientSampleId :

VNJ-226

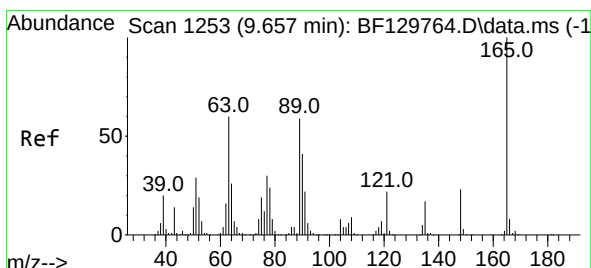
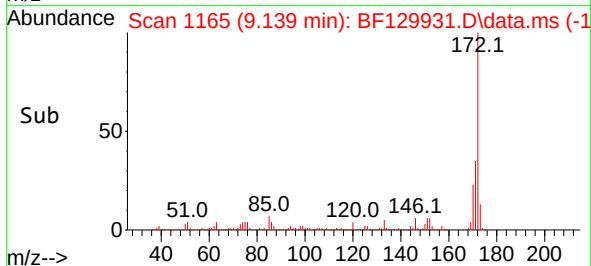
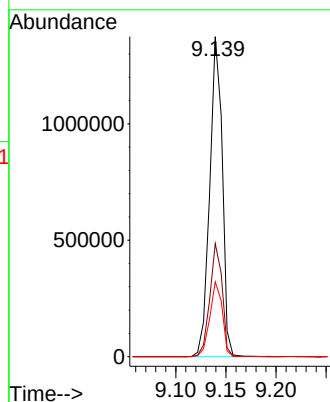
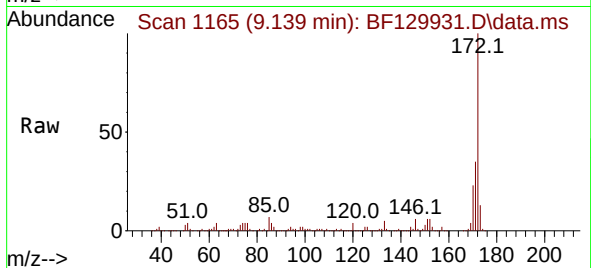
Tgt Ion:172 Resp: 1194202

Ion Ratio Lower Upper

172 100

171 35.3 28.4 42.6

170 23.4 19.1 28.7



#51

2,6-Dinitrotoluene

Concen: 8.521 ng

RT: 9.822 min Scan# 1281

Delta R.T. 0.200 min

Lab File: BF129931.D

Acq: 20 Aug 2022 02:55

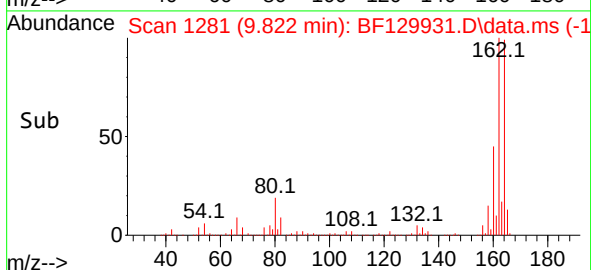
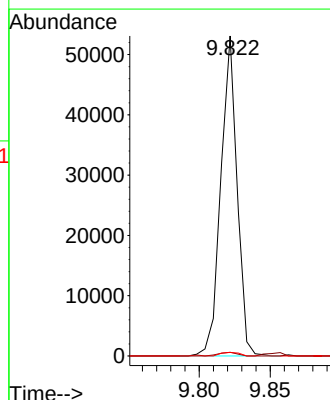
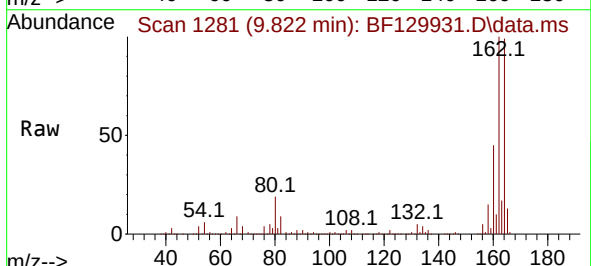
Tgt Ion:165 Resp: 42187

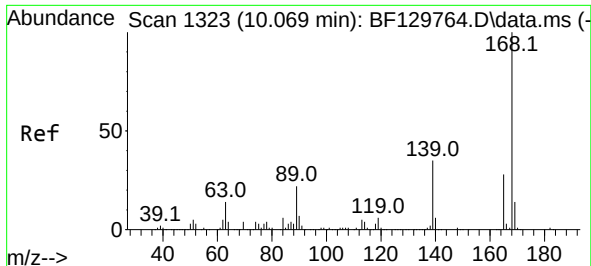
Ion Ratio Lower Upper

165 100

63 1.2 47.8 71.8#

89 1.1 47.2 70.8#

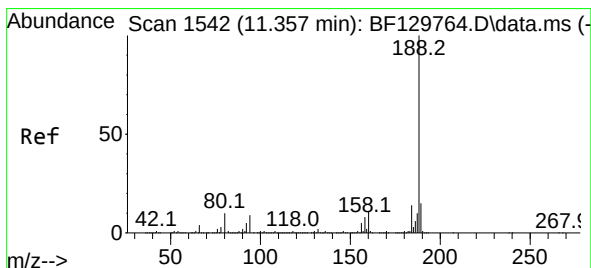
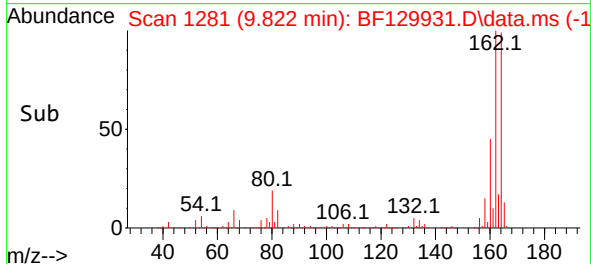
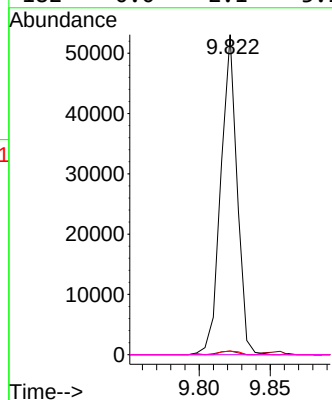
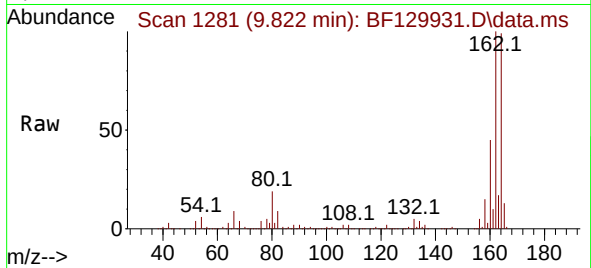




#57
2,4-Dinitrotoluene
Concen: 6.564 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF129931.D
Acq: 20 Aug 2022 02:55

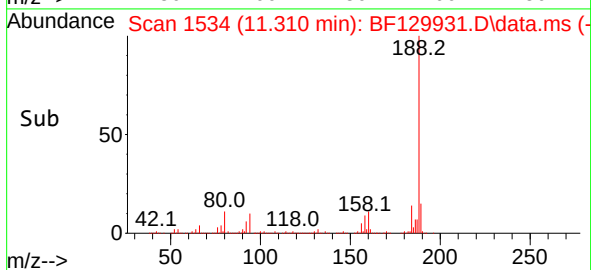
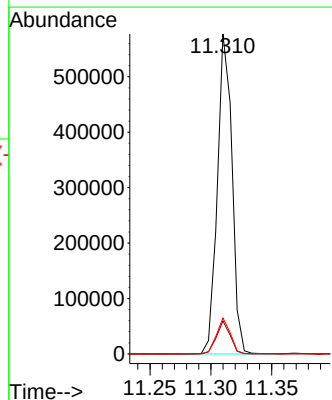
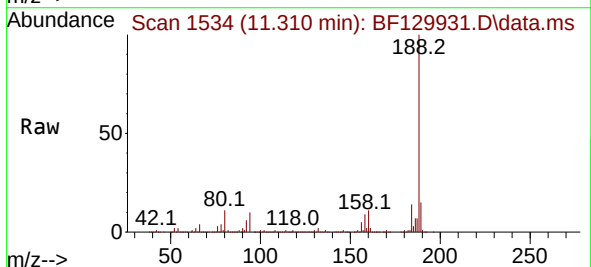
Instrument :
BNA_F
ClientSampleId :
VNJ-226

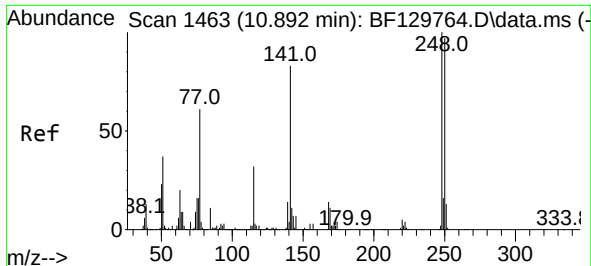
Tgt Ion:165 Resp: 42187
Ion Ratio Lower Upper
165 100
63 1.2 48.4 72.6#
89 1.1 62.3 93.5#
182 0.0 2.1 3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1534
Delta R.T. -0.006 min
Lab File: BF129931.D
Acq: 20 Aug 2022 02:55

Tgt Ion:188 Resp: 481882
Ion Ratio Lower Upper
188 100
94 10.3 7.4 11.2
80 11.2 7.9 11.9

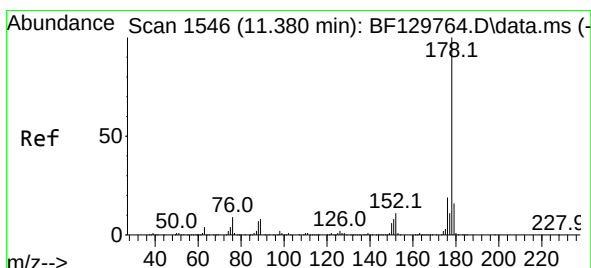
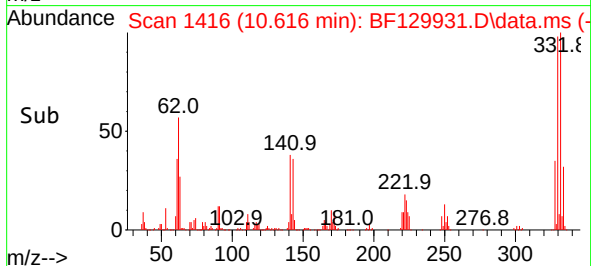
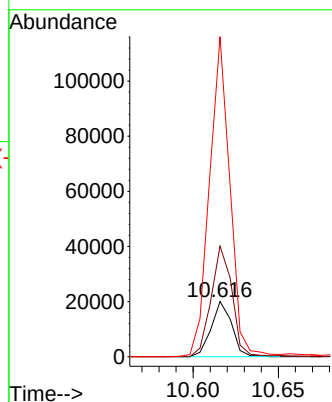
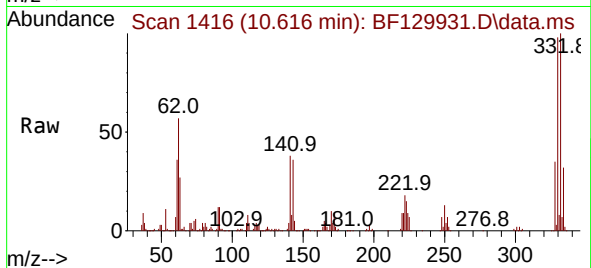




#67
4-Bromophenyl-phenylether
Concen: 2.967 ng
RT: 10.616 min Scan# 1463
Delta R.T. -0.235 min
Lab File: BF129931.D
Acq: 20 Aug 2022 02:55

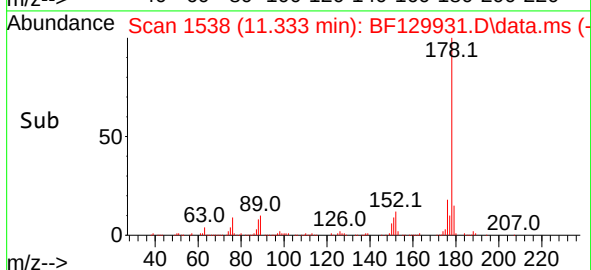
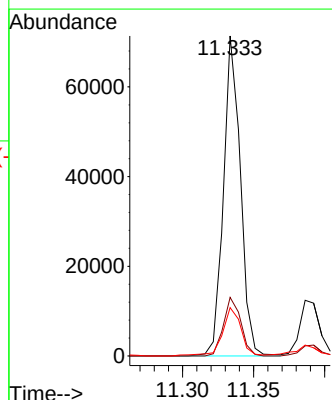
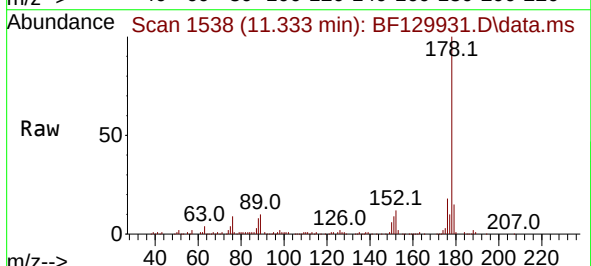
Instrument :
BNA_F
ClientSampleId :
VNJ-226

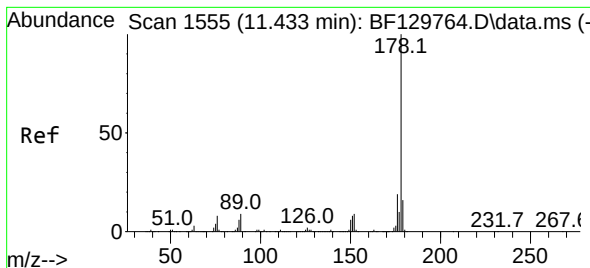
Tgt Ion:248 Resp: 16747
Ion Ratio Lower Upper
248 100
250 200.4 77.8 116.6#
141 579.8 66.2 99.2#



#71
Phenanthrene
Concen: 2.199 ng
RT: 11.333 min Scan# 1538
Delta R.T. -0.006 min
Lab File: BF129931.D
Acq: 20 Aug 2022 02:55

Tgt Ion:178 Resp: 59189
Ion Ratio Lower Upper
178 100
176 18.3 15.5 23.3
179 15.1 12.5 18.7

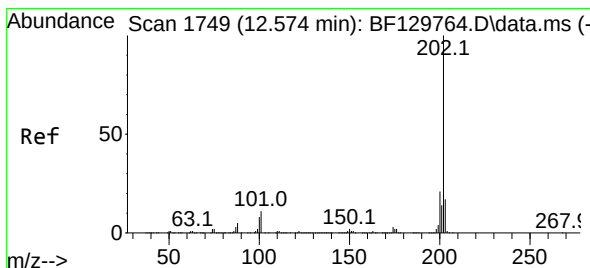
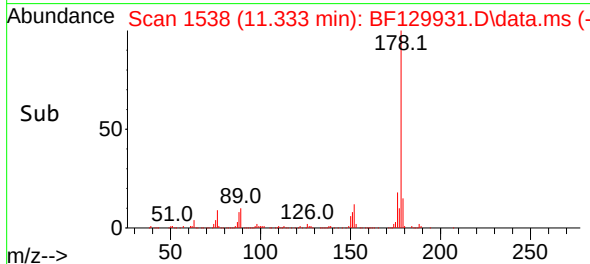
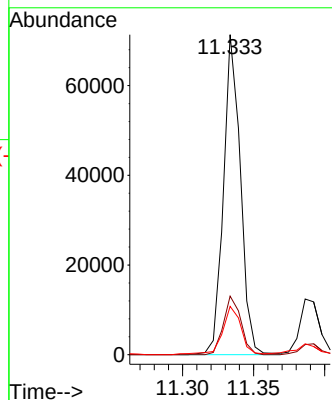
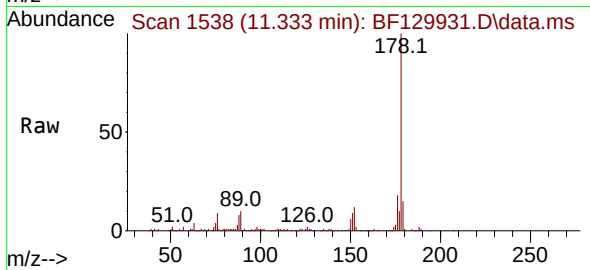




#72
 Anthracene
 Concen: 2.212 ng
 RT: 11.333 min Scan# 11
 Delta R.T. -0.059 min
 Lab File: BF129931.D
 Acq: 20 Aug 2022 02:55

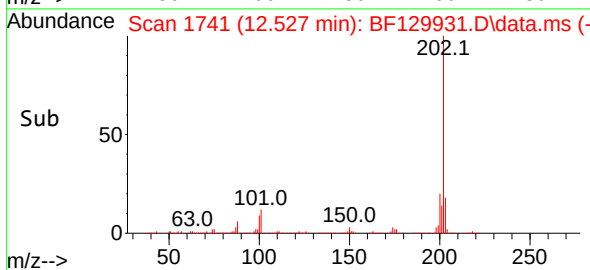
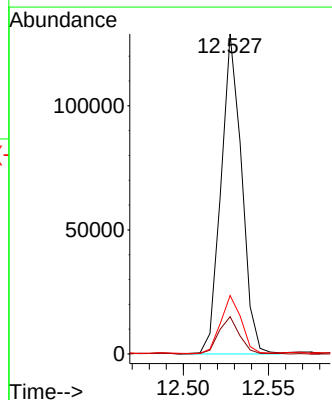
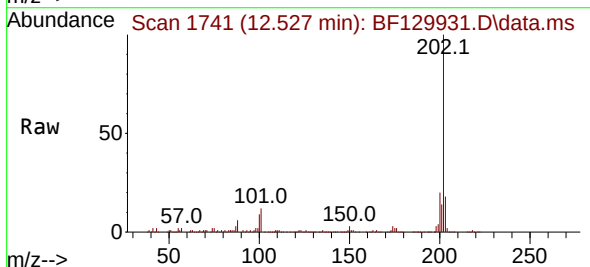
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-226

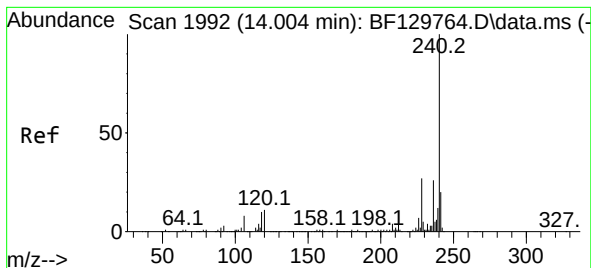
Tgt Ion:178 Resp: 59189
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.1 22.7
 179 15.1 12.6 18.8



#75
 Fluoranthene
 Concen: 3.957 ng
 RT: 12.527 min Scan# 1741
 Delta R.T. -0.006 min
 Lab File: BF129931.D
 Acq: 20 Aug 2022 02:55

Tgt Ion:202 Resp: 108974
 Ion Ratio Lower Upper
 202 100
 101 11.7 0.0 30.7
 203 18.3 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.957 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF129931.D

Acq: 20 Aug 2022 02:55

Instrument :

BNA_F

ClientSampleId :

VNJ-226

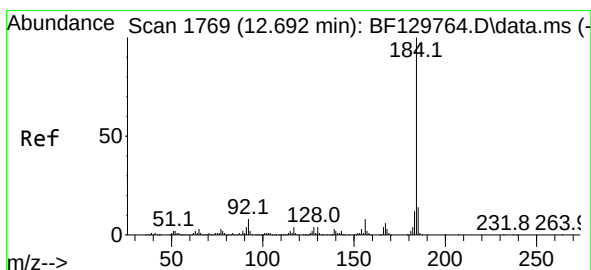
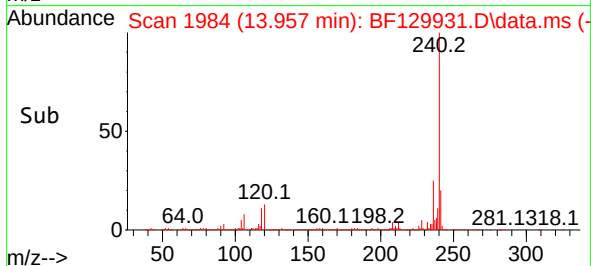
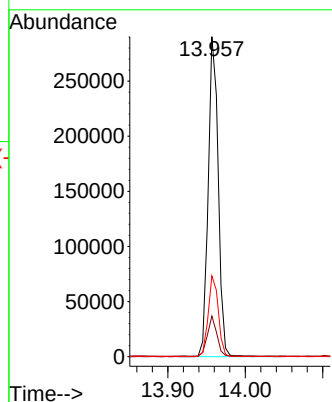
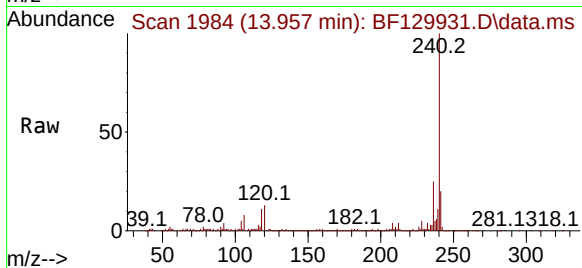
Tgt Ion:240 Resp: 260381

Ion Ratio Lower Upper

240 100

120 12.7 9.2 13.8

236 25.3 20.7 31.1



#77

Benzdine

Concen: Below Cal

RT: 12.892 min Scan# 1803

Delta R.T. 0.235 min

Lab File: BF129931.D

Acq: 20 Aug 2022 02:55

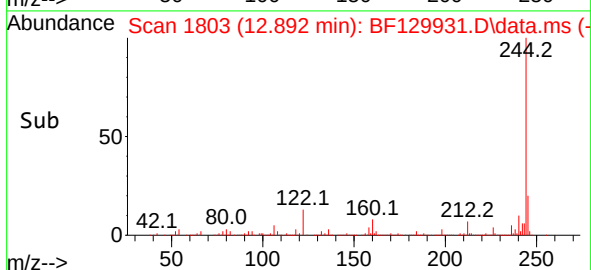
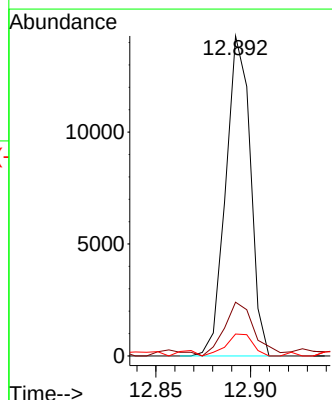
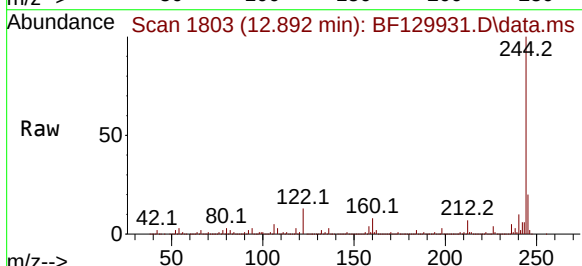
Tgt Ion:184 Resp: 12882

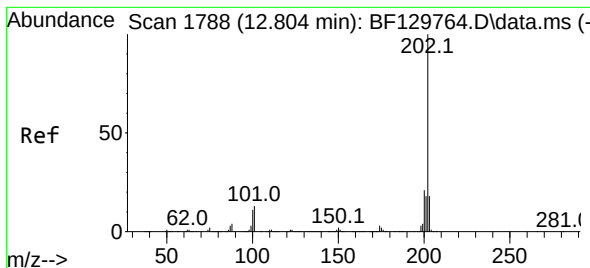
Ion Ratio Lower Upper

184 100

185 16.8 11.4 17.2

183 6.8 9.4 14.2#





#78

Pyrene

Concen: 4.060 ng

RT: 12.757 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF129931.D

Acq: 20 Aug 2022 02:55

Instrument :

BNA_F

ClientSampleId :

VNJ-226

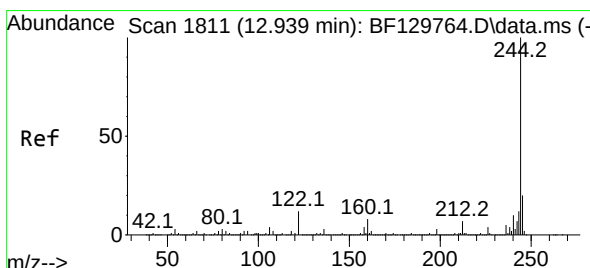
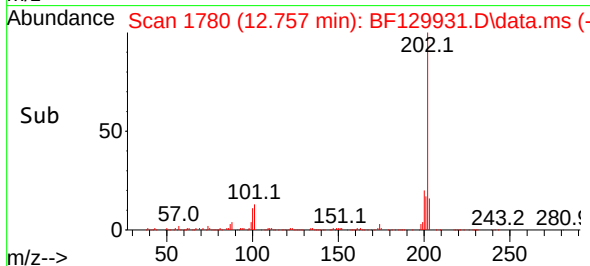
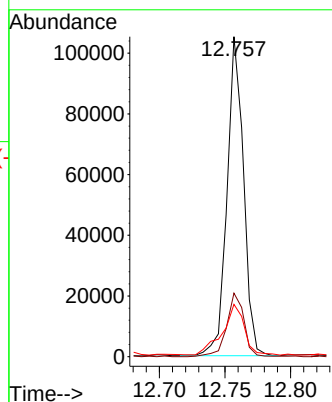
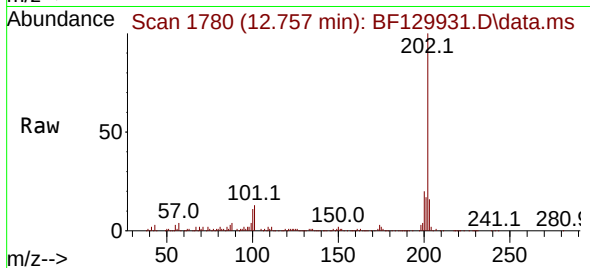
Tgt Ion:202 Resp: 91866

Ion Ratio Lower Upper

202 100

200 19.8 17.0 25.6

203 16.4 14.1 21.1



#79

Terphenyl-d14

Concen: 55.978 ng

RT: 12.892 min Scan# 1803

Delta R.T. -0.006 min

Lab File: BF129931.D

Acq: 20 Aug 2022 02:55

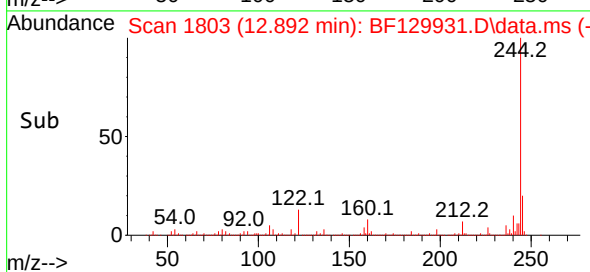
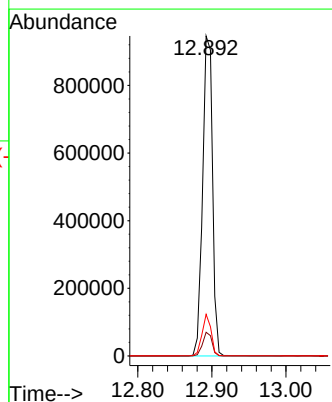
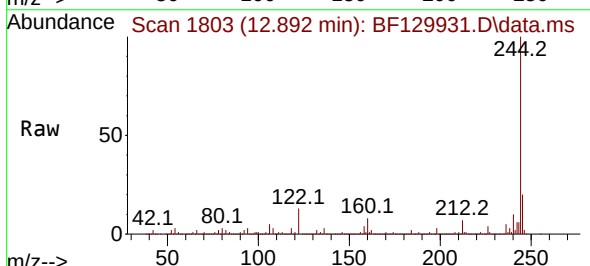
Tgt Ion:244 Resp: 875966

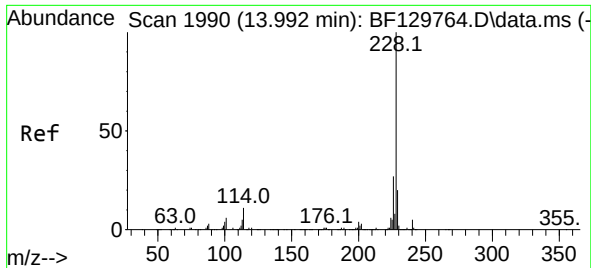
Ion Ratio Lower Upper

244 100

212 7.4 5.9 8.9

122 13.0 9.9 14.9

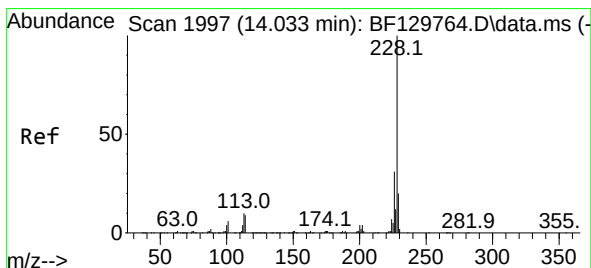
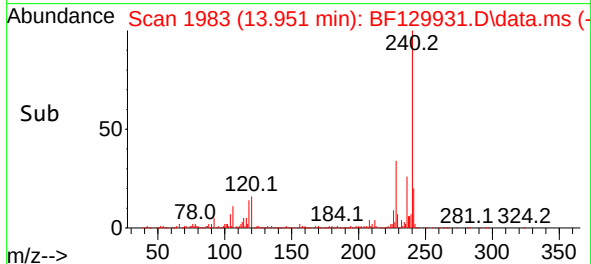
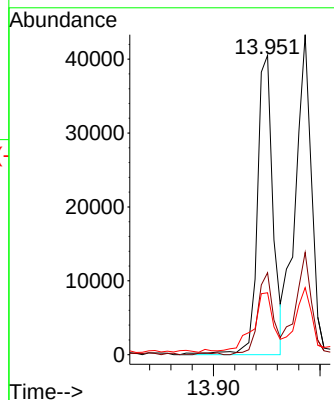
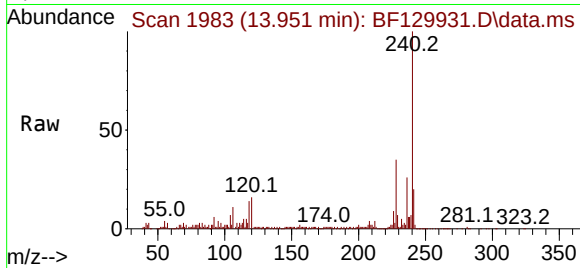




#81
Benzo(a)anthracene
Concen: 2.295 ng
RT: 13.951 min Scan# 1983
Delta R.T. 0.000 min
Lab File: BF129931.D
Acq: 20 Aug 2022 02:55

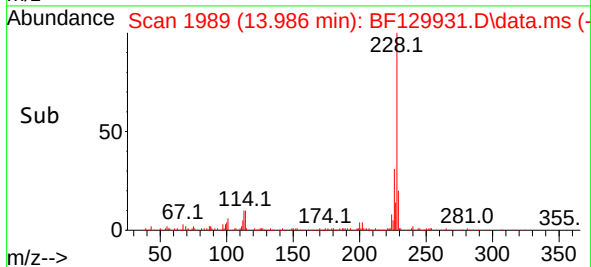
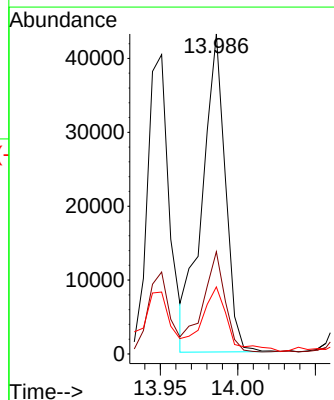
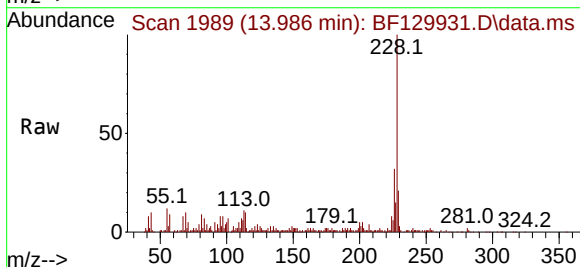
Instrument :
BNA_F
ClientSampleId :
VNJ-226

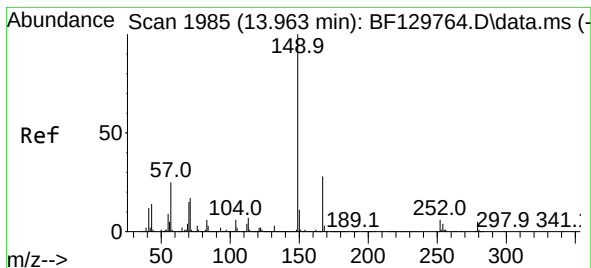
Tgt Ion:228 Resp: 41116
Ion Ratio Lower Upper
228 100
226 27.4 21.4 32.0
229 20.7 16.1 24.1



#83
Chrysene
Concen: 2.666 ng
RT: 13.986 min Scan# 1989
Delta R.T. -0.006 min
Lab File: BF129931.D
Acq: 20 Aug 2022 02:55

Tgt Ion:228 Resp: 44701
Ion Ratio Lower Upper
228 100
226 32.0 24.4 36.6
229 20.9 15.9 23.9

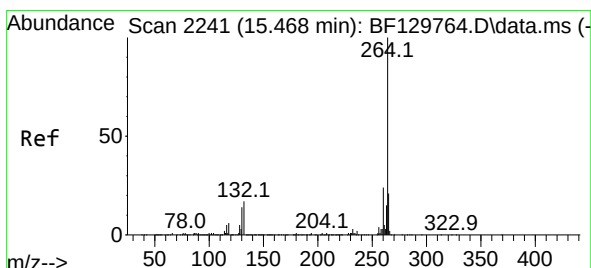
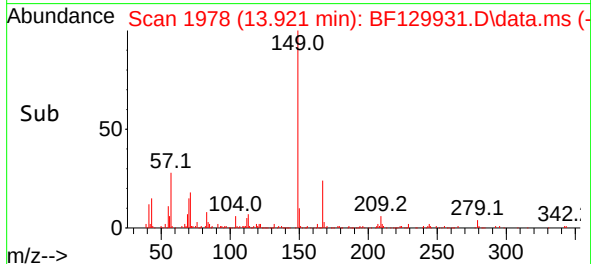
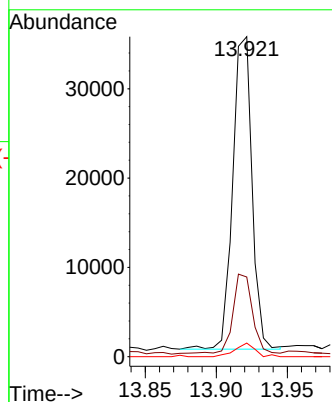
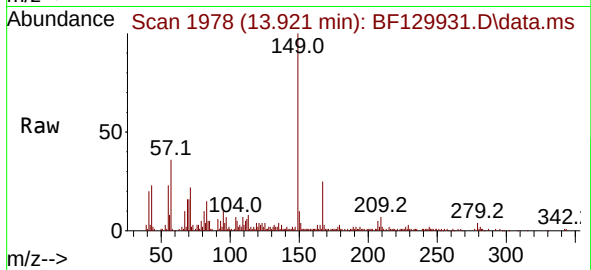




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2.918 ng
 RT: 13.921 min Scan# 1985
 Delta R.T. 0.000 min
 Lab File: BF129931.D
 Acq: 20 Aug 2022 02:55

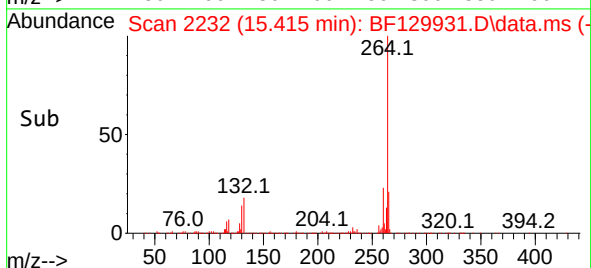
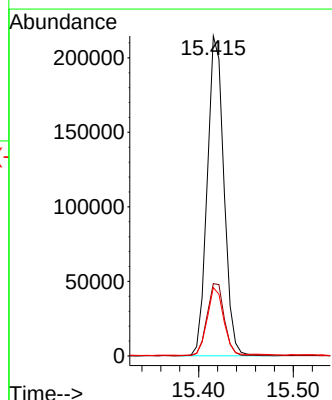
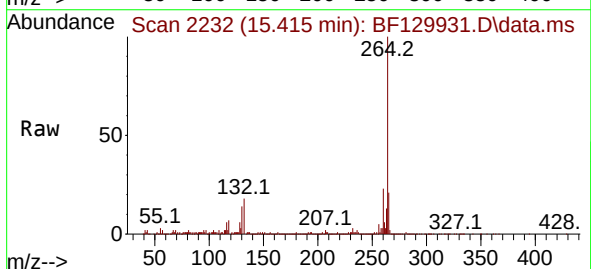
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-226

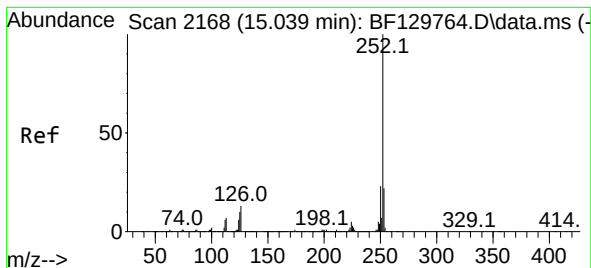
Tgt Ion:149 Resp: 33143
 Ion Ratio Lower Upper
 149 100
 167 24.9 22.0 33.0
 279 4.2 3.6 5.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.415 min Scan# 2232
 Delta R.T. 0.000 min
 Lab File: BF129931.D
 Acq: 20 Aug 2022 02:55

Tgt Ion:264 Resp: 261002
 Ion Ratio Lower Upper
 264 100
 260 22.6 19.1 28.7
 265 21.3 16.7 25.1





#88

Benzo(b)fluoranthene

Concen: 4.073 ng

RT: 14.998 min Scan# 2161

Delta R.T. 0.000 min

Lab File: BF129931.D

Acq: 20 Aug 2022 02:55

Instrument :

BNA_F

ClientSampleId :

VNJ-226

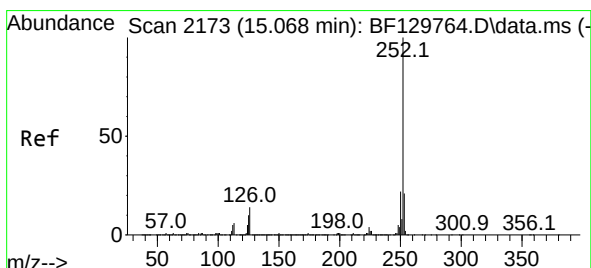
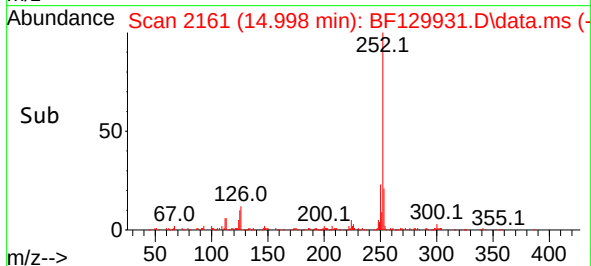
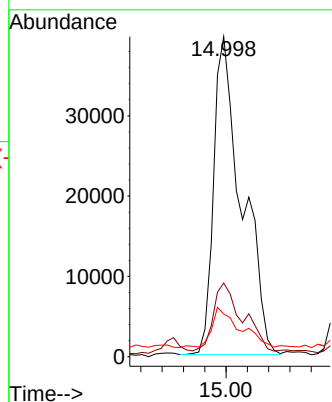
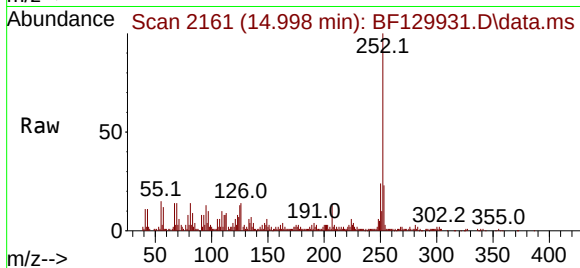
Tgt Ion:252 Resp: 72786

Ion Ratio Lower Upper

252 100

253 23.0 17.5 26.3

125 13.4 8.3 12.5#



#89

Benzo(k)fluoranthene

Concen: 4.247 ng

RT: 14.998 min Scan# 2161

Delta R.T. -0.023 min

Lab File: BF129931.D

Acq: 20 Aug 2022 02:55

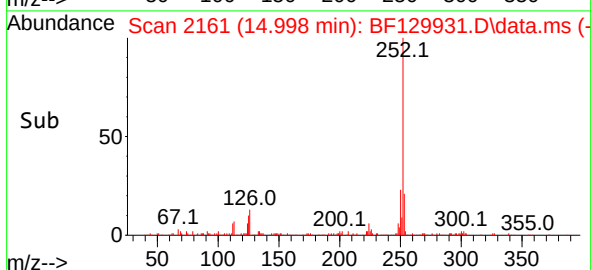
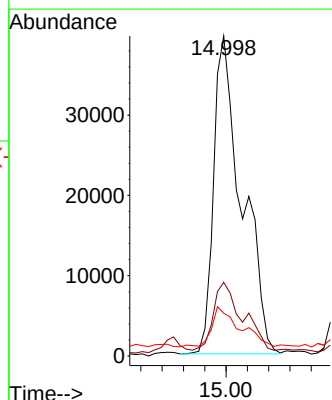
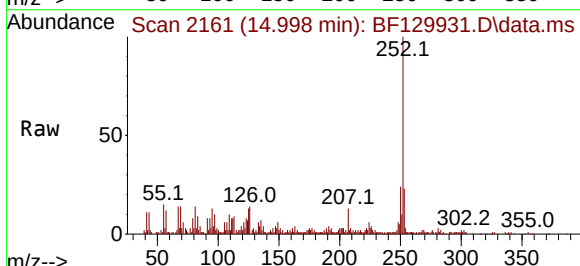
Tgt Ion:252 Resp: 72786

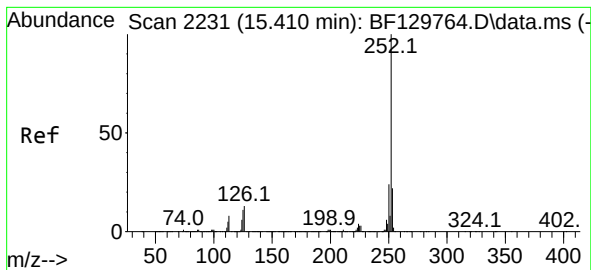
Ion Ratio Lower Upper

252 100

253 23.0 17.1 25.7

125 13.4 8.3 12.5#





#90

Benzo(a)pyrene

Concen: 2.415 ng

RT: 15.357 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF129931.D

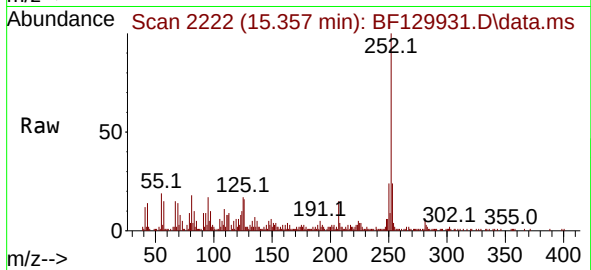
Acq: 20 Aug 2022 02:55

Instrument :

BNA_F

ClientSampleId :

VNJ-226



Tgt Ion:	252	Resp:	33984
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.2	25.8
125	16.7	8.8	13.2#

