

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051022\
 Data File : BF128181.D
 Acq On : 11 May 2022 01:16
 Operator : CG\JU
 Sample : N2755-04
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-221

Quant Time: May 11 04:02:54 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050922.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 09 15:30:11 2022
 Response via : Initial Calibration

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

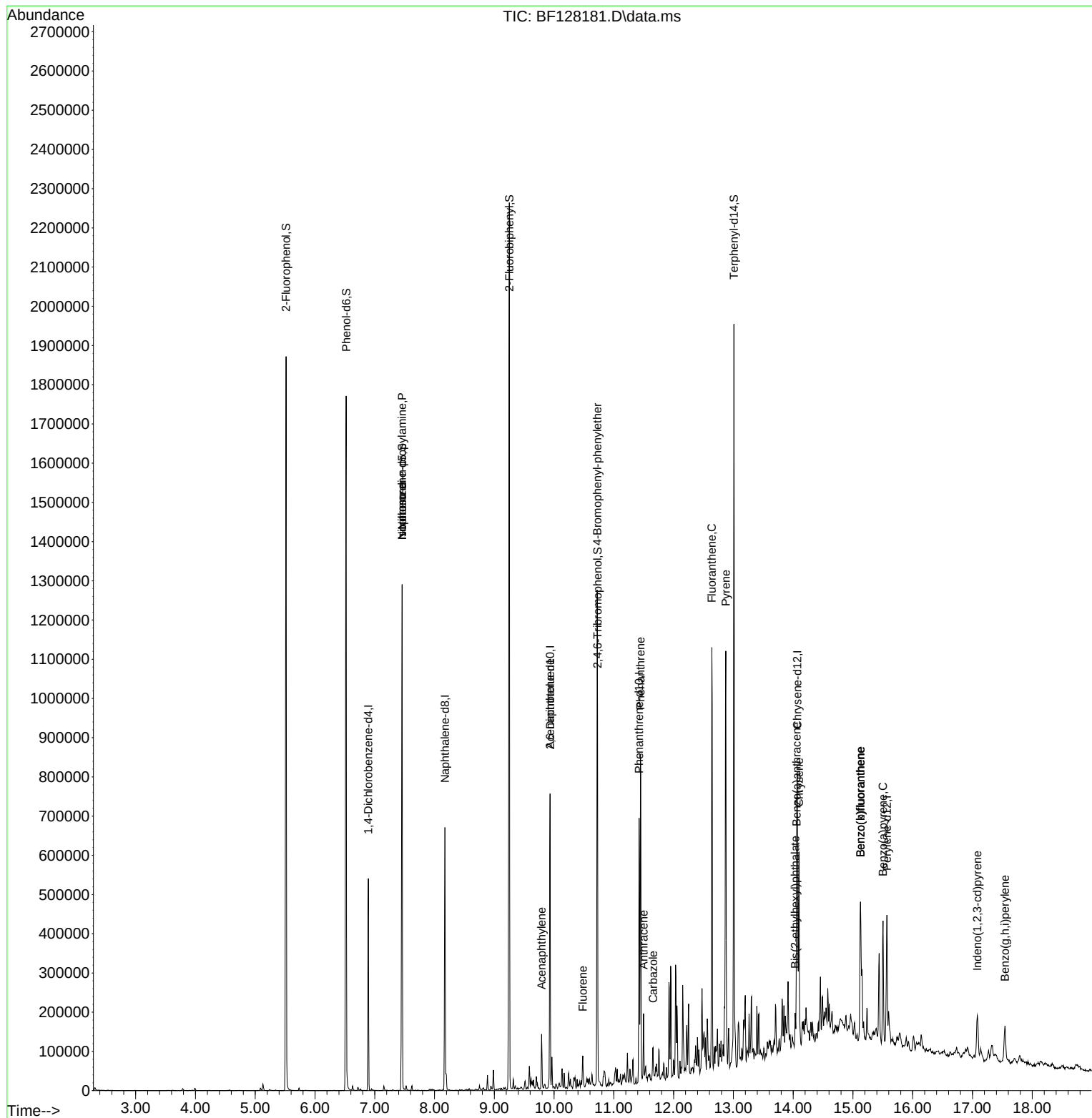
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	69471	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	267211	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	146421	20.000	ng	0.00
64) Phenanthrene-d10	11.421	188	242548	20.000	ng	0.00
76) Chrysene-d12	14.068	240	159787	20.000	ng	-0.01
86) Perylene-d12	15.568	264	147024	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	445460	102.219	ng	0.00
7) Phenol-d6	6.522	99	577277	100.152	ng	0.00
23) Nitrobenzene-d5	7.457	82	404856	68.175	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	140103	83.431	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	669544	71.549	ng	0.00
79) Terphenyl-d14	13.010	244	594199	69.778	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.451	77	75	Below Cal	#	51
19) n-Nitroso-di-n-propyla...	7.457	70	55524	15.642	ng	# 77
25) Isophorone	7.457	82	404923	43.493	ng	# 68
49) Acenaphthylene	9.792	152	47169	3.947	ng	99
51) 2,6-Dinitrotoluene	9.933	165	20713	9.993	ng	# 22
58) Fluorene	10.480	166	20346	2.220	ng	# 98
67) 4-Bromophenyl-phenylether	10.722	248	8574	3.286	ng	# 1
71) Phenanthrene	11.445	178	310495	25.709	ng	100
72) Anthracene	11.498	178	59253	4.914	ng	99
73) Carbazole	11.657	167	27783	2.423	ng	98
75) Fluoranthene	12.639	202	412678	31.517	ng	99
78) Pyrene	12.874	202	428413	36.977	ng	99
81) Benzo(a)anthracene	14.057	228	173103	16.961	ng	96
83) Chrysene	14.098	228	197517	20.283	ng	98
84) Bis(2-ethylhexyl)phtha...	14.033	149	19156	2.943	ng	# 99
87) Indeno(1,2,3-cd)pyrene	17.080	276	75534	8.493	ng	# 94
88) Benzo(b)fluoranthene	15.127	252	278118	30.516	ng	99
89) Benzo(k)fluoranthene	15.127	252	278118	30.914	ng	98
90) Benzo(a)pyrene	15.504	252	141572	19.241	ng	97
92) Benzo(g,h,i)perylene	17.545	276	74288	10.190	ng	97

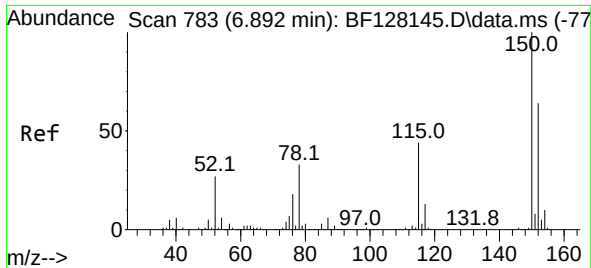
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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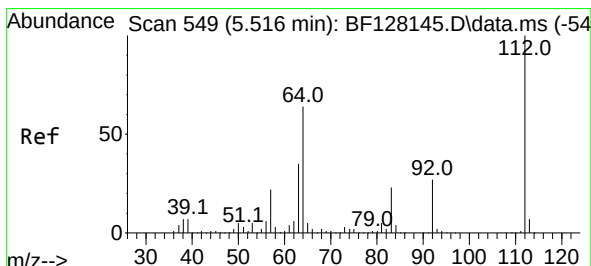
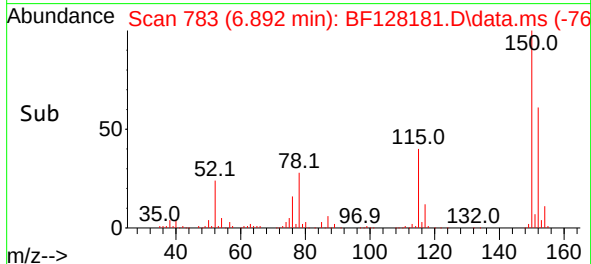
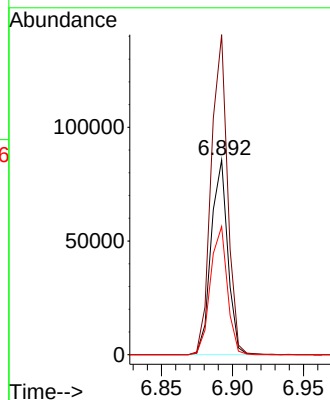
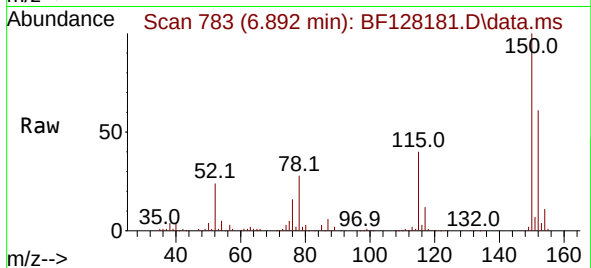




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.892 min Scan# 783
 Delta R.T. 0.000 min
 Lab File: BF128181.D
 Acq: 11 May 2022 01:16

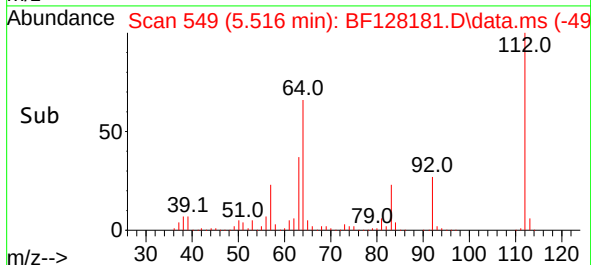
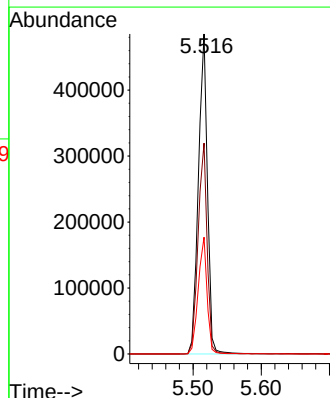
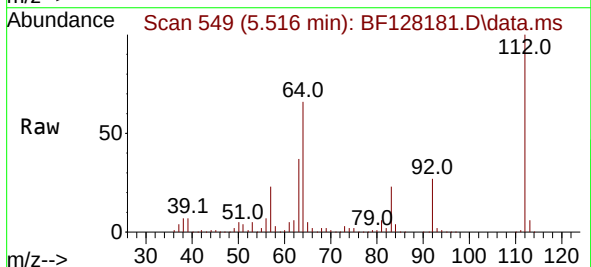
Instrument :
 BNA_F
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 VNJ-221

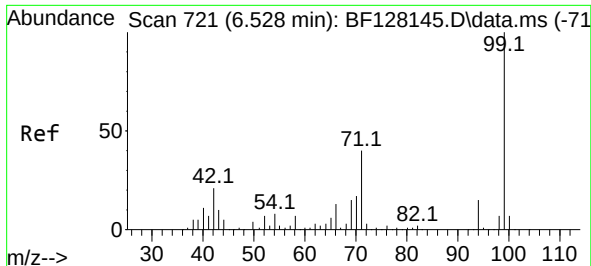
Tgt Ion:152 Resp: 69471
 Ion Ratio Lower Upper
 152 100
 150 164.3 125.3 187.9
 115 65.8 48.8 73.2



#5
 2-Fluorophenol
 Concen: 102.219 ng
 RT: 5.516 min Scan# 549
 Delta R.T. -0.000 min
 Lab File: BF128181.D
 Acq: 11 May 2022 01:16

Tgt Ion:112 Resp: 445460
 Ion Ratio Lower Upper
 112 100
 64 65.9 49.5 74.3
 63 36.5 26.3 39.5

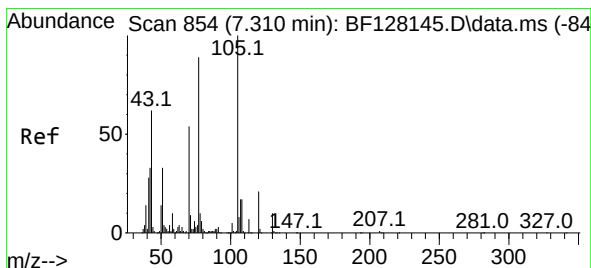
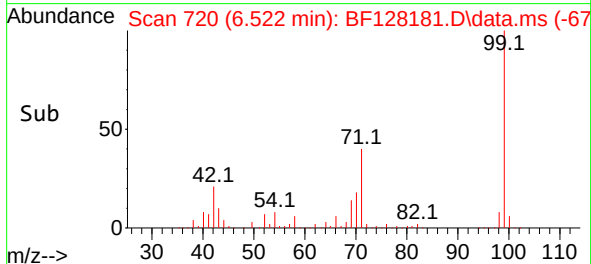
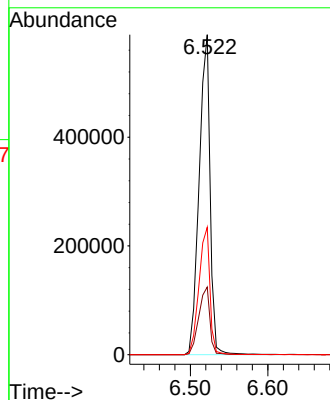
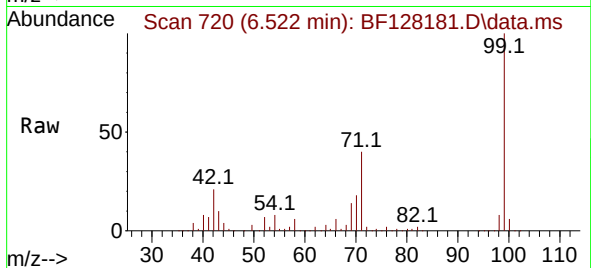




#7
Phenol-d6
Concen: 100.152 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF128181.D
Acq: 11 May 2022 01:16

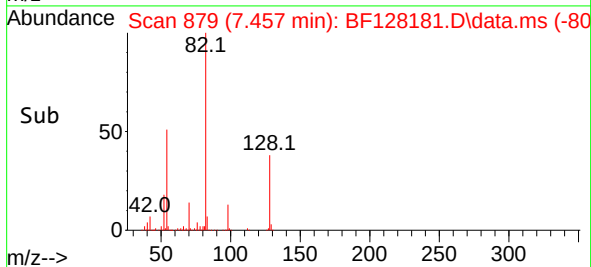
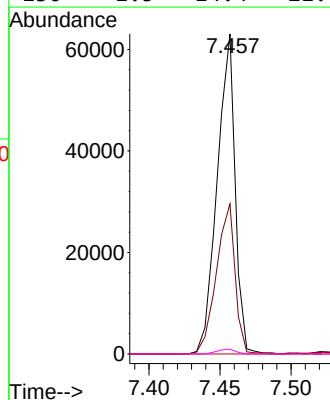
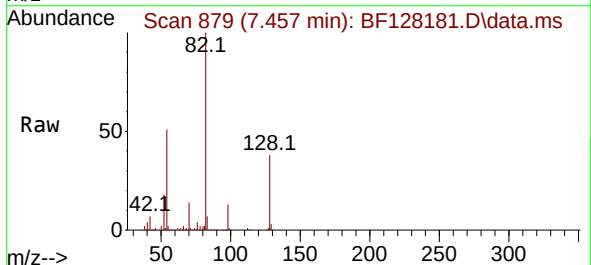
Instrument :
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ClientSampleId :
VNJ-221

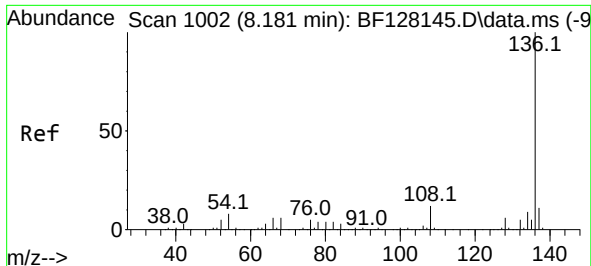
Tgt Ion: 99 Resp: 577277
Ion Ratio Lower Upper
99 100
42 21.2 16.6 24.8
71 39.8 30.0 45.0



#19
n-Nitroso-di-n-propylamine
Concen: 15.642 ng
RT: 7.457 min Scan# 879
Delta R.T. 0.147 min
Lab File: BF128181.D
Acq: 11 May 2022 01:16

Tgt Ion: 70 Resp: 55524
Ion Ratio Lower Upper
70 100
42 46.9 48.7 73.1#
101 0.0 7.2 10.8#
130 1.5 14.4 21.6#

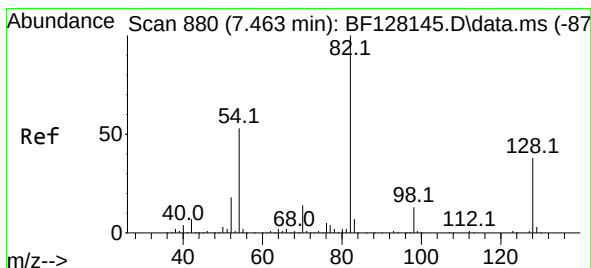
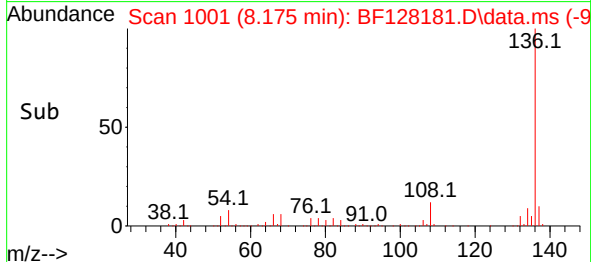
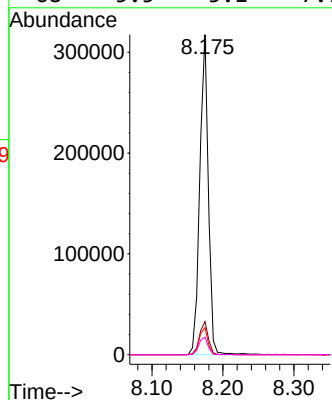
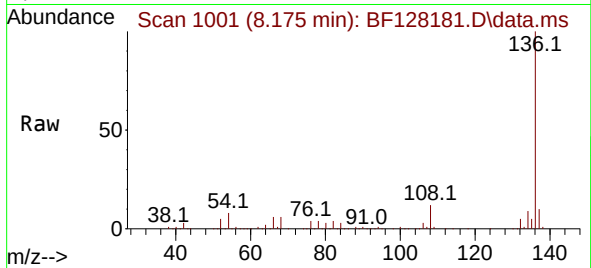




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF128181.D
Acq: 11 May 2022 01:16

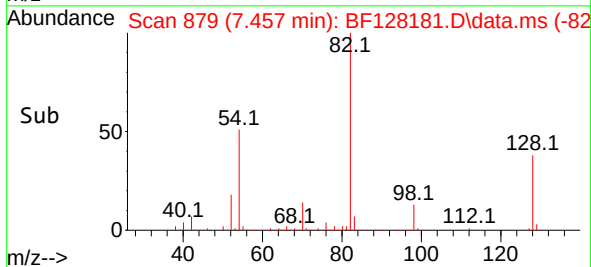
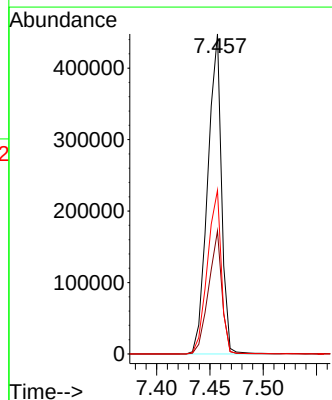
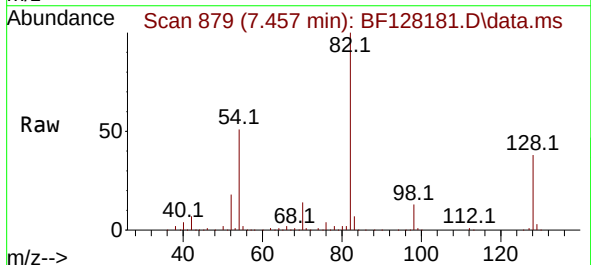
Instrument :
BNA_F
ClientSampleId :
VNJ-221

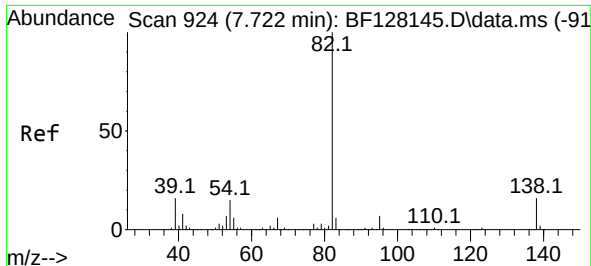
Tgt Ion:136 Resp: 267211
Ion Ratio Lower Upper
136 100
137 10.3 8.6 13.0
54 8.4 6.8 10.2
68 5.5 5.1 7.7



#23
Nitrobenzene-d5
Concen: 68.175 ng
RT: 7.457 min Scan# 879
Delta R.T. -0.006 min
Lab File: BF128181.D
Acq: 11 May 2022 01:16

Tgt Ion: 82 Resp: 404856
Ion Ratio Lower Upper
82 100
128 38.4 30.0 45.0
54 51.2 41.3 61.9

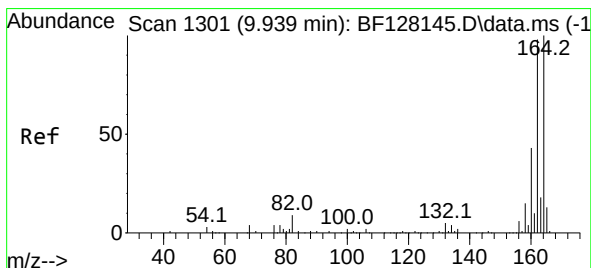
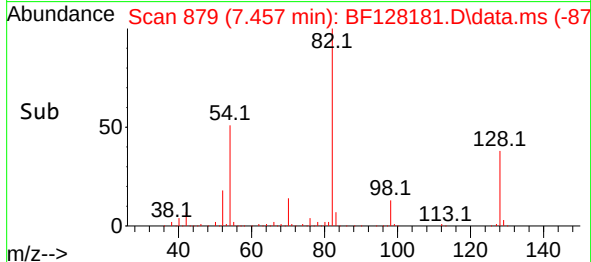
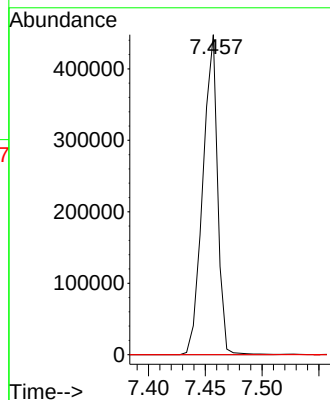
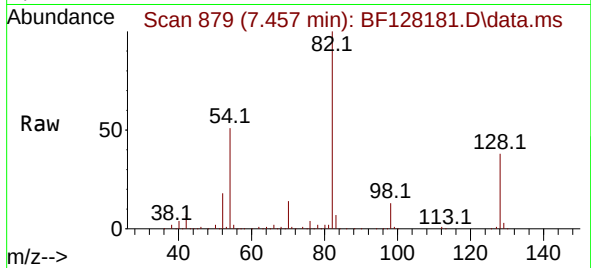




#25
Isophorone
Concen: 43.493 ng
RT: 7.457 min Scan# 81
Delta R.T. -0.265 min
Lab File: BF128181.D
Acq: 11 May 2022 01:16

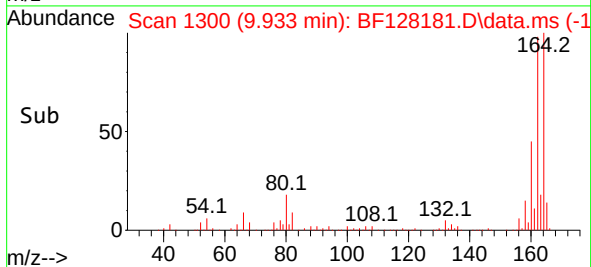
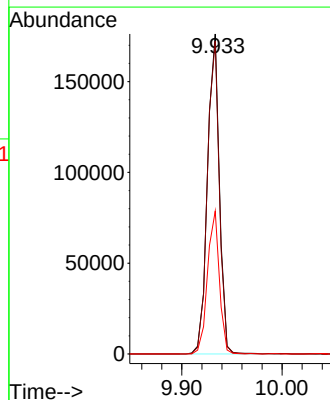
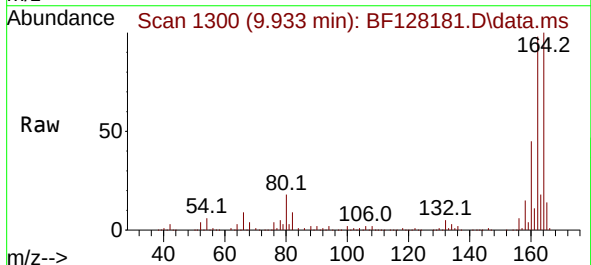
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ClientSampleId :
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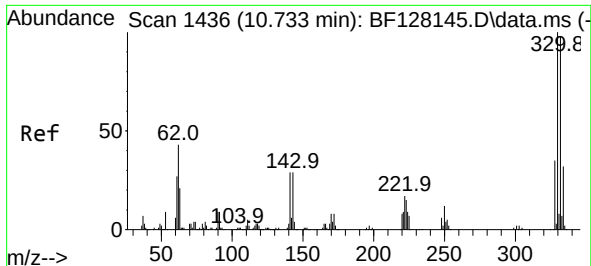
Tgt Ion: 82 Resp: 404923
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 12.5 18.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1300
Delta R.T. -0.006 min
Lab File: BF128181.D
Acq: 11 May 2022 01:16

Tgt Ion:164 Resp: 146421
Ion Ratio Lower Upper
164 100
162 97.8 76.0 114.0
160 44.6 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 83.431 ng

RT: 10.727 min Scan# 1435

Delta R.T. -0.006 min

Lab File: BF128181.D

Acq: 11 May 2022 01:16

Instrument :

BNA_F

ClientSampleId :

VNJ-221

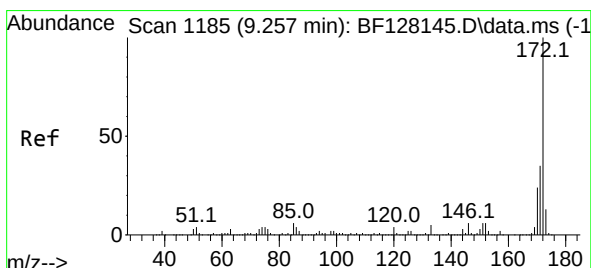
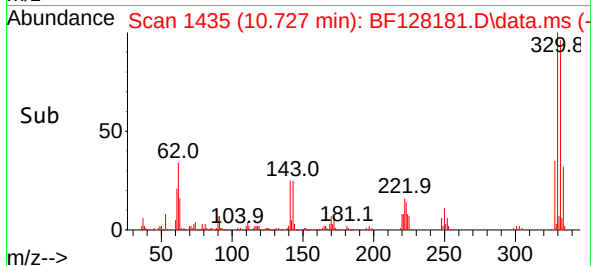
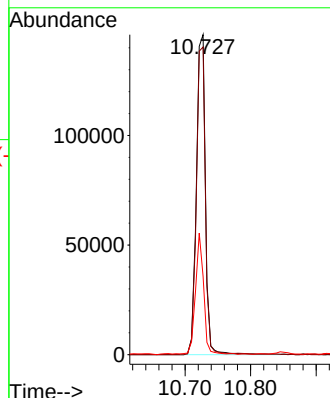
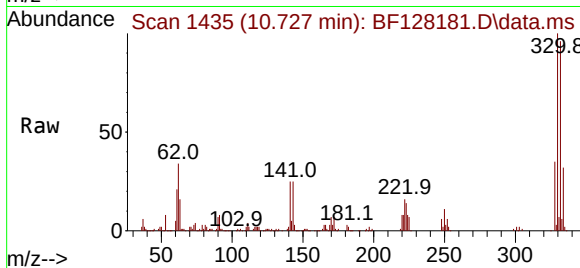
Tgt Ion:330 Resp: 140103

Ion Ratio Lower Upper

330 100

332 95.9 79.0 118.4

141 33.9 28.9 43.3



#45

2-Fluorobiphenyl

Concen: 71.549 ng

RT: 9.251 min Scan# 1184

Delta R.T. -0.006 min

Lab File: BF128181.D

Acq: 11 May 2022 01:16

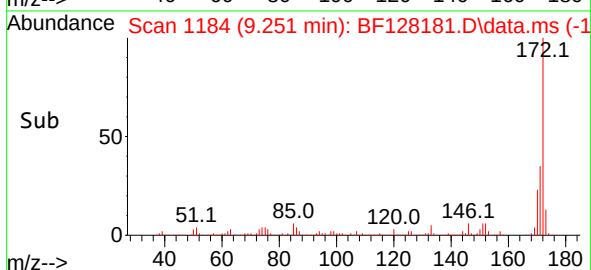
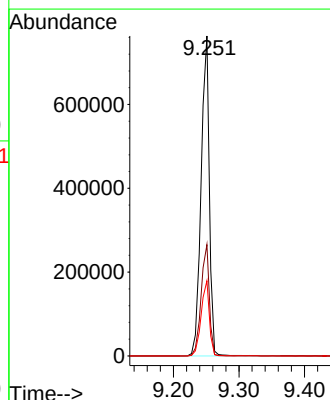
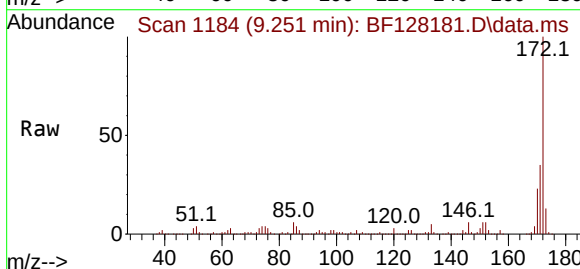
Tgt Ion:172 Resp: 669544

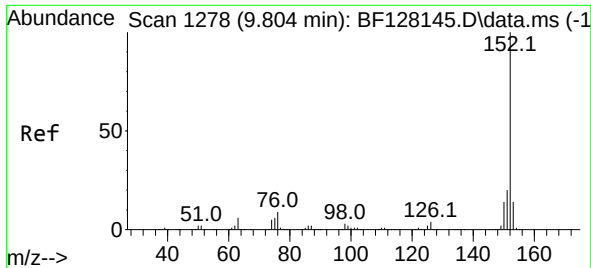
Ion Ratio Lower Upper

172 100

171 34.8 28.6 42.8

170 23.5 19.1 28.7

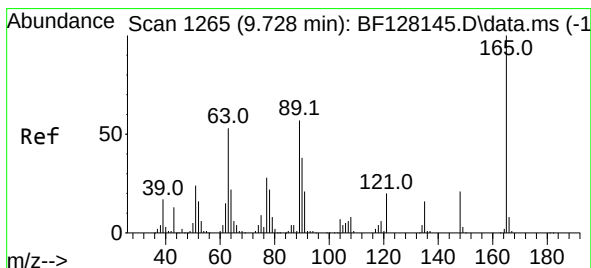
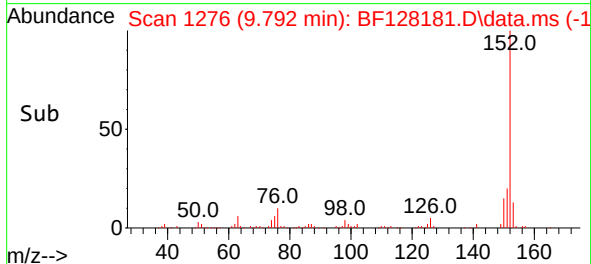
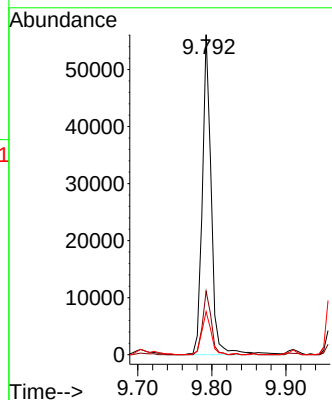
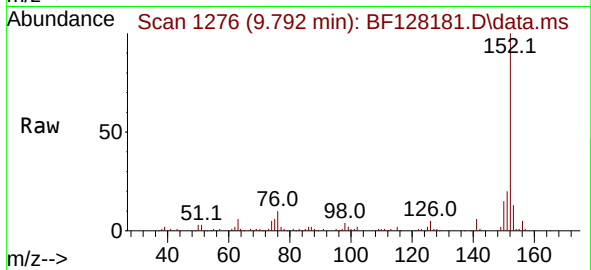




#49
Acenaphthylene
Concen: 3.947 ng
RT: 9.792 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF128181.D
Acq: 11 May 2022 01:16

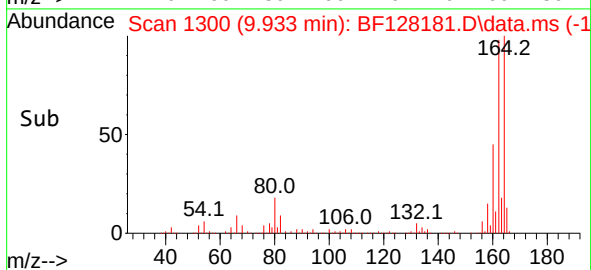
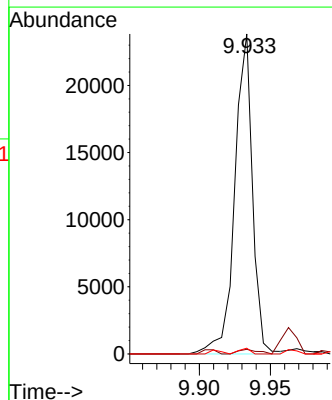
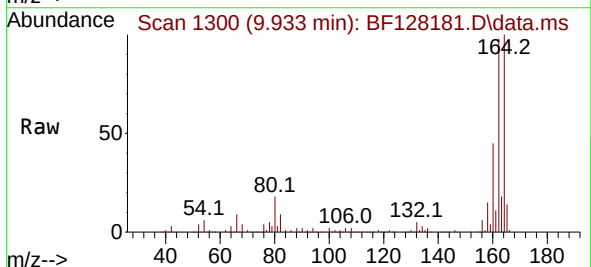
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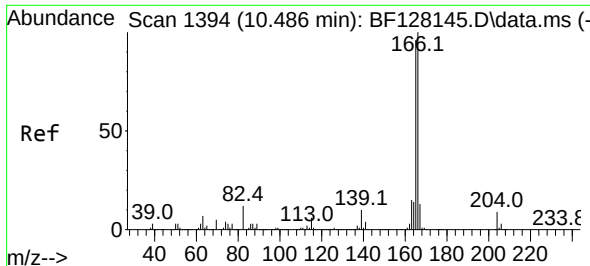
Tgt Ion:152 Resp: 47169
Ion Ratio Lower Upper
152 100
151 19.9 16.2 24.2
153 13.5 11.2 16.8



#51
2,6-Dinitrotoluene
Concen: 9.993 ng
RT: 9.933 min Scan# 1300
Delta R.T. 0.206 min
Lab File: BF128181.D
Acq: 11 May 2022 01:16

Tgt Ion:165 Resp: 20713
Ion Ratio Lower Upper
165 100
63 1.5 49.5 74.3#
89 1.8 49.0 73.4#

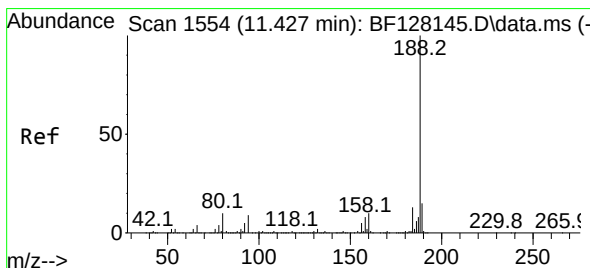
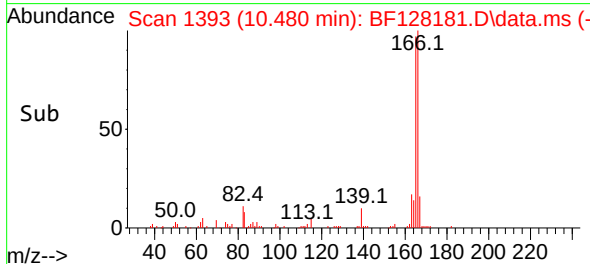
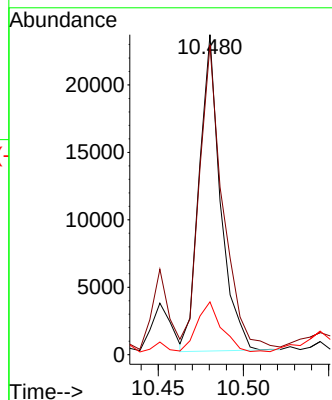
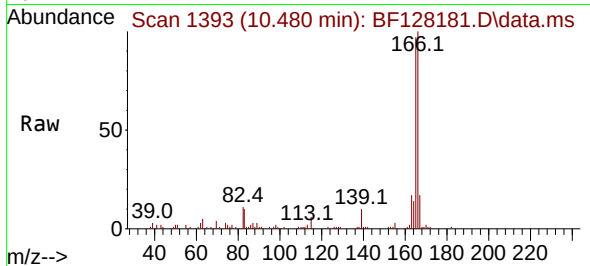




#58
 Fluorene
 Concen: 2.220 ng
 RT: 10.480 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF128181.D
 Acq: 11 May 2022 01:16

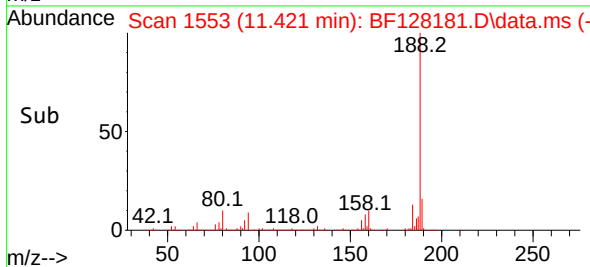
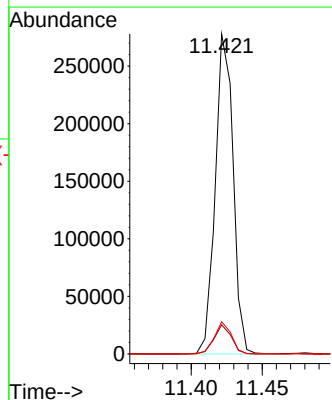
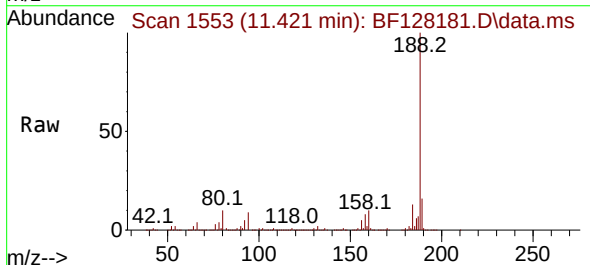
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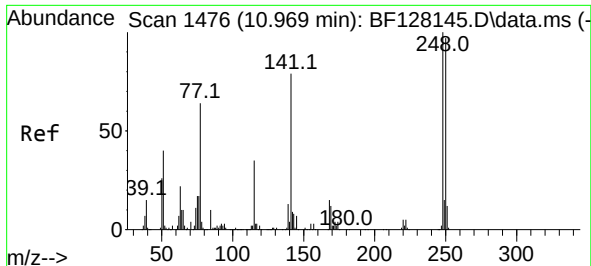
Tgt Ion:166 Resp: 20346
 Ion Ratio Lower Upper
 166 100
 165 96.9 78.6 117.8
 167 16.5 10.5 15.7#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.421 min Scan# 1553
 Delta R.T. -0.006 min
 Lab File: BF128181.D
 Acq: 11 May 2022 01:16

Tgt Ion:188 Resp: 242548
 Ion Ratio Lower Upper
 188 100
 94 9.1 8.0 12.0
 80 10.0 8.9 13.3

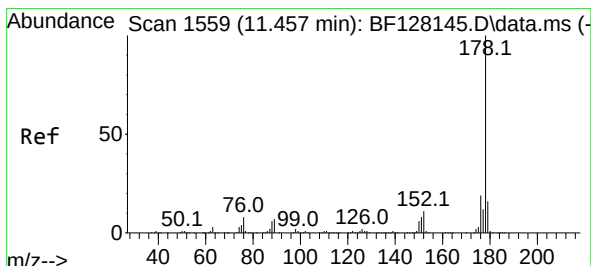
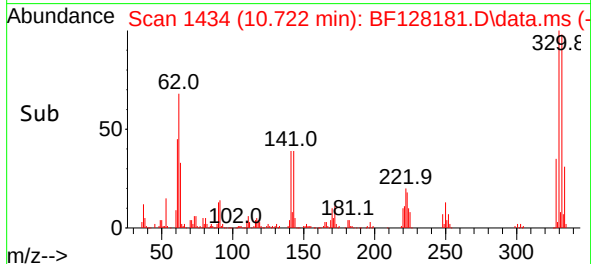
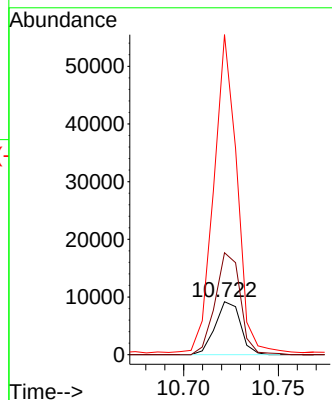
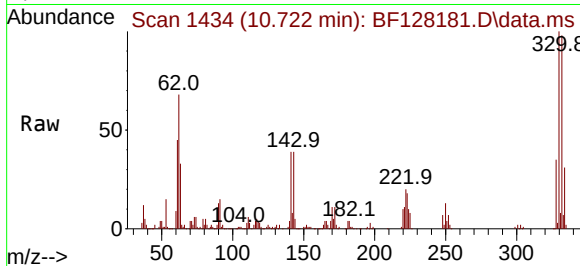




#67
4-Bromophenyl-phenylether
Concen: 3.286 ng
RT: 10.722 min Scan# 1476
Delta R.T. -0.247 min
Lab File: BF128181.D
Acq: 11 May 2022 01:16

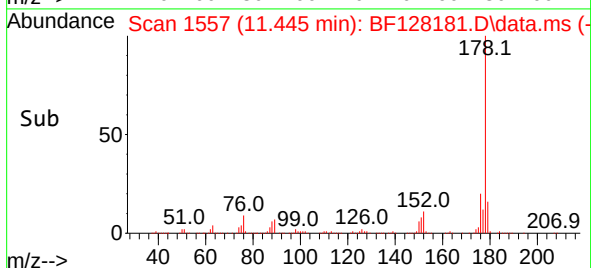
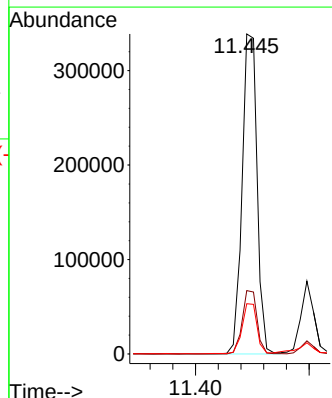
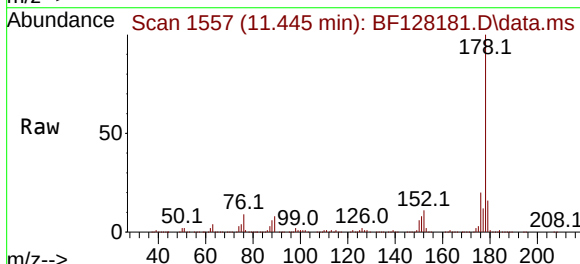
Instrument :
BNA_F
ClientSampleId :
VNJ-221

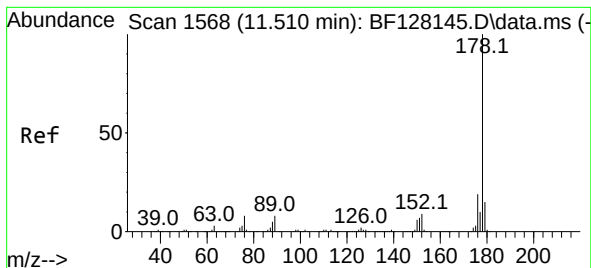
Tgt Ion:248 Resp: 8574
Ion Ratio Lower Upper
248 100
250 192.4 77.7 116.5#
141 603.7 65.6 98.4#



#71
Phenanthrene
Concen: 25.709 ng
RT: 11.445 min Scan# 1557
Delta R.T. -0.012 min
Lab File: BF128181.D
Acq: 11 May 2022 01:16

Tgt Ion:178 Resp: 310495
Ion Ratio Lower Upper
178 100
176 19.8 15.7 23.5
179 15.7 12.6 19.0





#72

Anthracene

Concen: 4.914 ng

RT: 11.498 min Scan# 1566

Delta R.T. -0.012 min

Lab File: BF128181.D

Acq: 11 May 2022 01:16

Instrument :

BNA_F

ClientSampleId :

VNJ-221

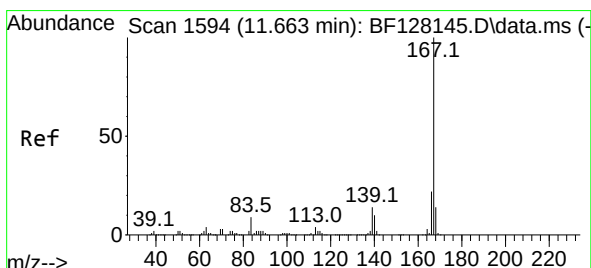
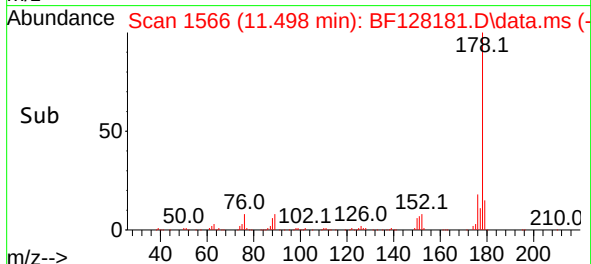
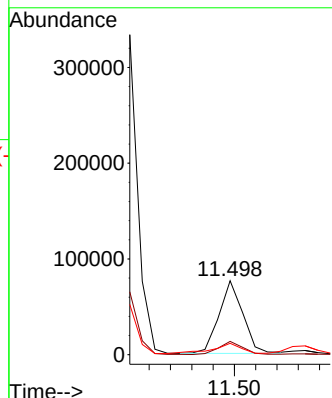
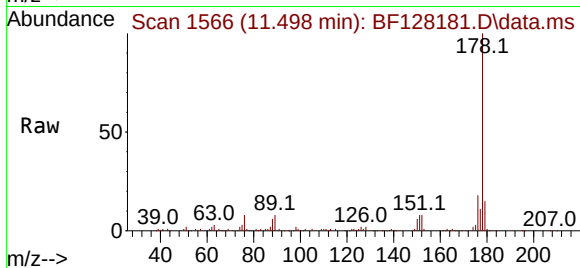
Tgt Ion:178 Resp: 59253

Ion Ratio Lower Upper

178 100

176 18.0 15.0 22.6

179 15.3 12.4 18.6



#73

Carbazole

Concen: 2.423 ng

RT: 11.657 min Scan# 1593

Delta R.T. -0.006 min

Lab File: BF128181.D

Acq: 11 May 2022 01:16

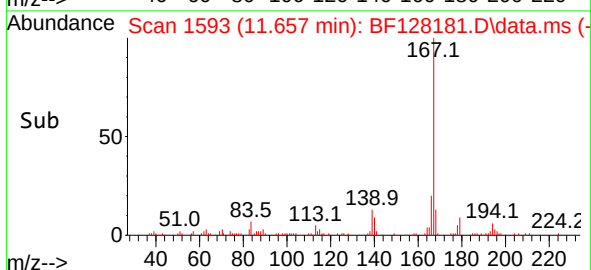
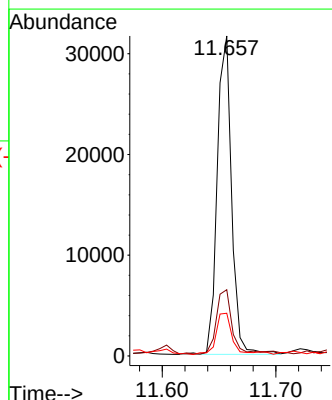
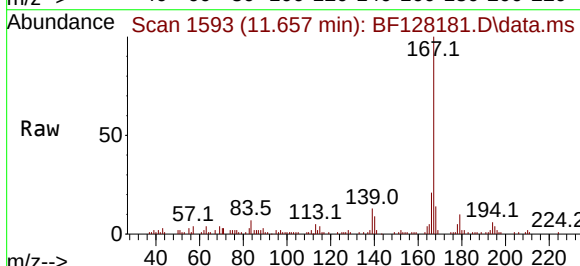
Tgt Ion:167 Resp: 27783

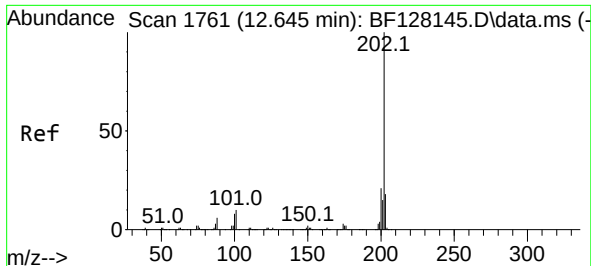
Ion Ratio Lower Upper

167 100

166 20.7 17.6 26.4

139 13.3 10.7 16.1

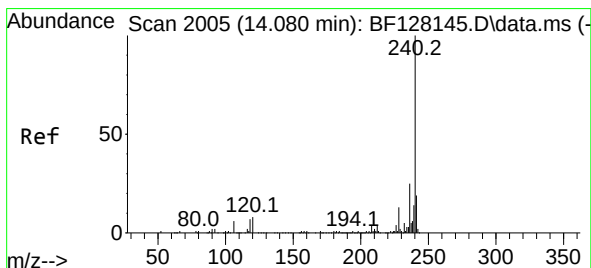
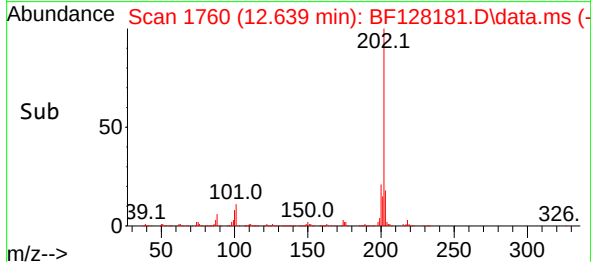
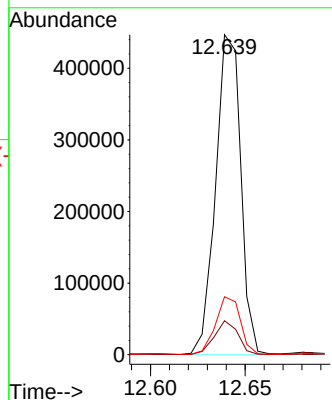
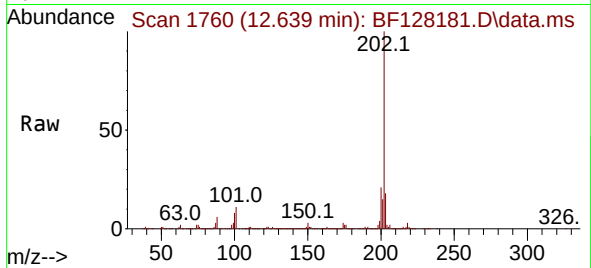




#75
Fluoranthene
Concen: 31.517 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF128181.D
Acq: 11 May 2022 01:16

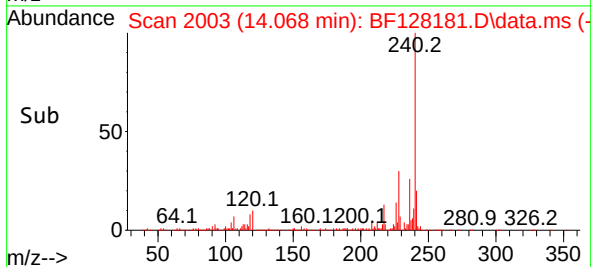
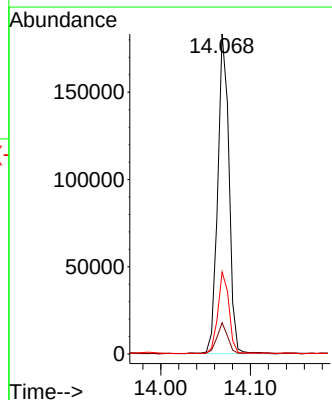
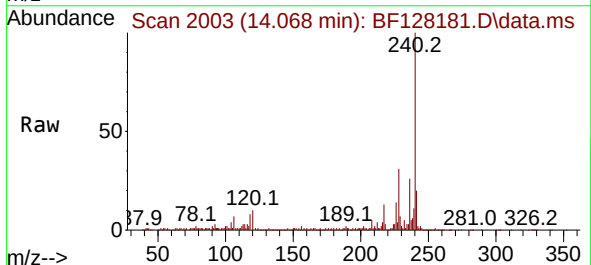
Instrument :
BNA_F
ClientSampleId :
VNJ-221

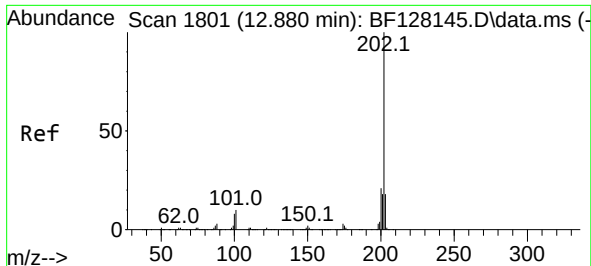
Tgt Ion:202 Resp: 412678
Ion Ratio Lower Upper
202 100
101 10.6 0.0 31.6
203 18.1 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2003
Delta R.T. -0.012 min
Lab File: BF128181.D
Acq: 11 May 2022 01:16

Tgt Ion:240 Resp: 159787
Ion Ratio Lower Upper
240 100
120 9.8 7.0 10.6
236 25.7 20.3 30.5

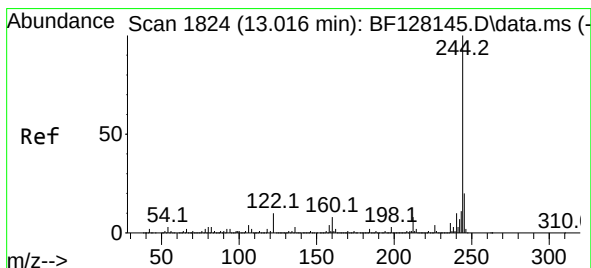
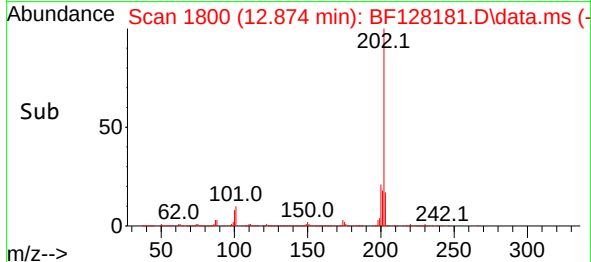
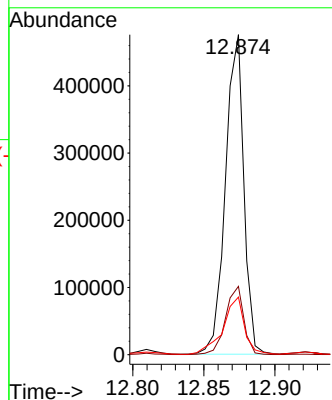
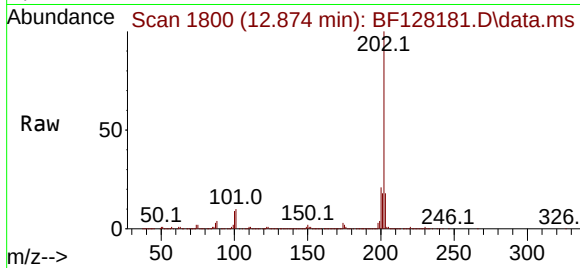




#78
 Pyrene
 Concen: 36.977 ng
 RT: 12.874 min Scan# 1800
 Delta R.T. -0.006 min
 Lab File: BF128181.D
 Acq: 11 May 2022 01:16

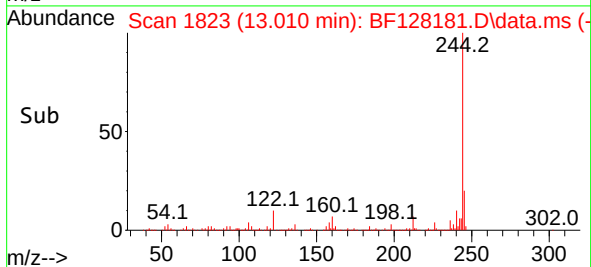
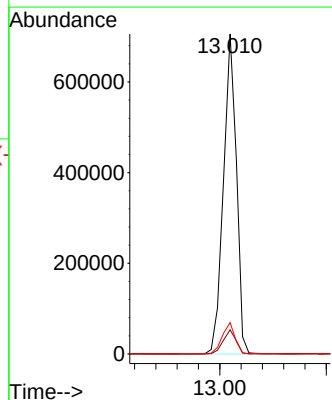
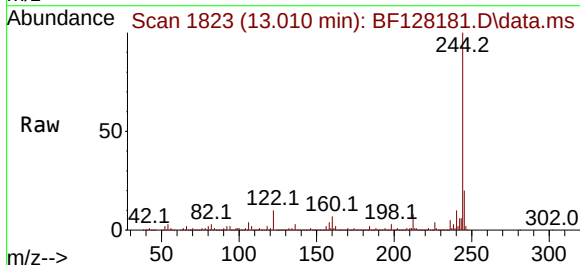
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-221

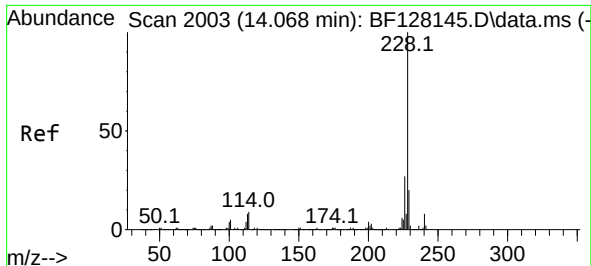
Tgt Ion:202 Resp: 428413
 Ion Ratio Lower Upper
 202 100
 200 21.4 17.4 26.2
 203 18.0 14.0 21.0



#79
 Terphenyl-d14
 Concen: 69.778 ng
 RT: 13.010 min Scan# 1823
 Delta R.T. -0.006 min
 Lab File: BF128181.D
 Acq: 11 May 2022 01:16

Tgt Ion:244 Resp: 594199
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.2 9.4
 122 9.8 8.6 12.8

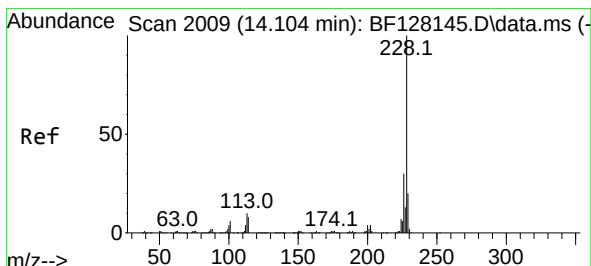
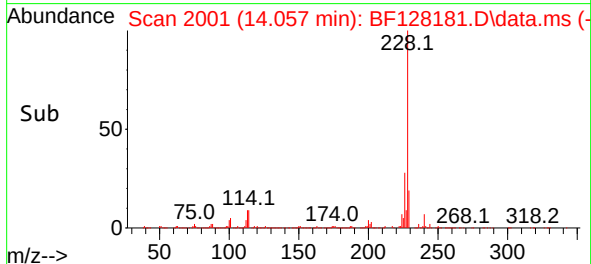
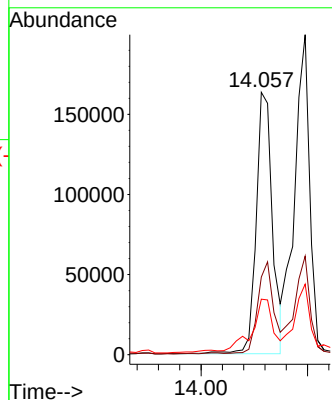
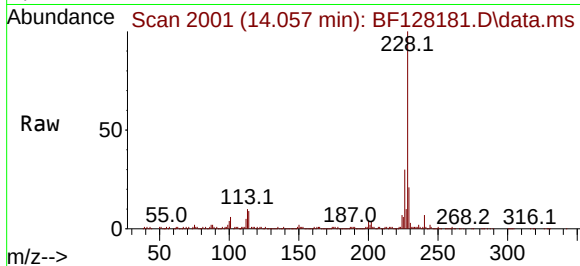




#81
Benzo(a)anthracene
Concen: 16.961 ng
RT: 14.057 min Scan# 2001
Delta R.T. -0.012 min
Lab File: BF128181.D
Acq: 11 May 2022 01:16

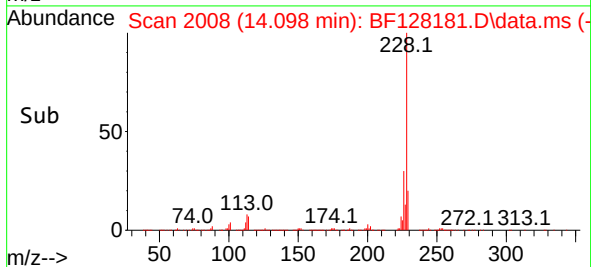
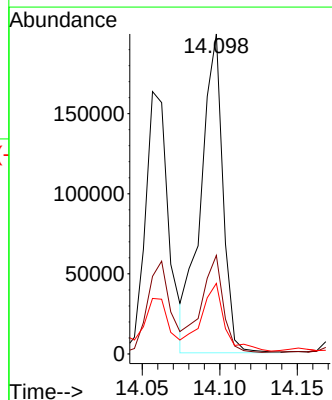
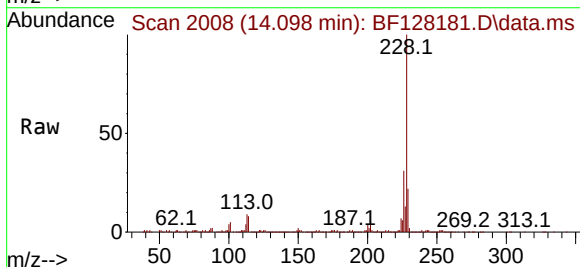
Instrument :
BNA_F
ClientSampleId :
VNJ-221

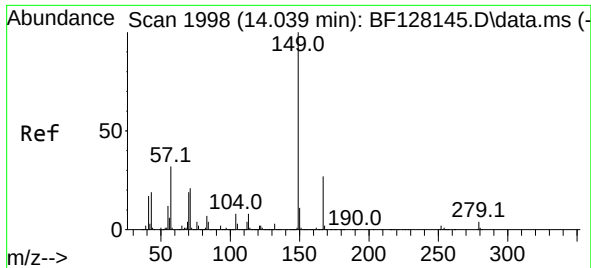
Tgt Ion:228 Resp: 173103
Ion Ratio Lower Upper
228 100
226 29.5 21.7 32.5
229 21.1 15.4 23.2



#83
Chrysene
Concen: 20.283 ng
RT: 14.098 min Scan# 2008
Delta R.T. -0.006 min
Lab File: BF128181.D
Acq: 11 May 2022 01:16

Tgt Ion:228 Resp: 197517
Ion Ratio Lower Upper
228 100
226 30.8 24.4 36.6
229 22.0 15.8 23.8

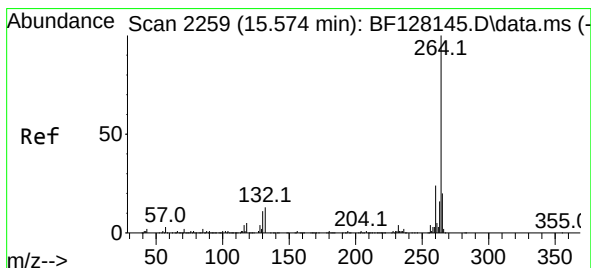
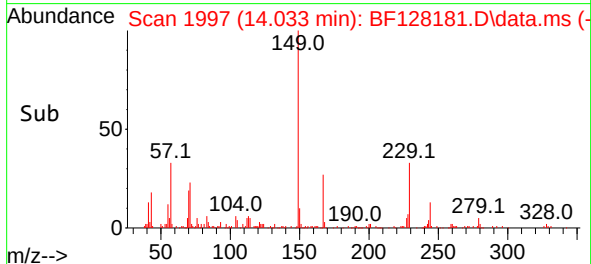
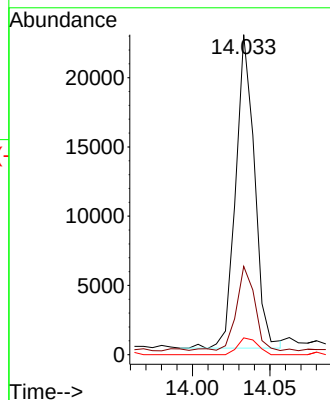
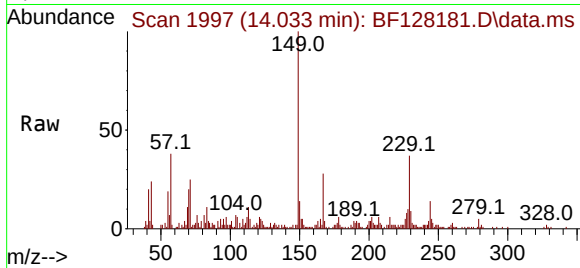




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.943 ng
RT: 14.033 min Scan# 1998
Delta R.T. -0.006 min
Lab File: BF128181.D
Acq: 11 May 2022 01:16

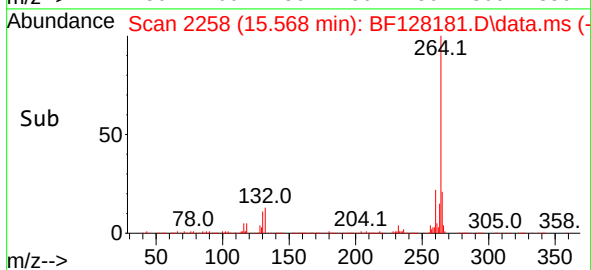
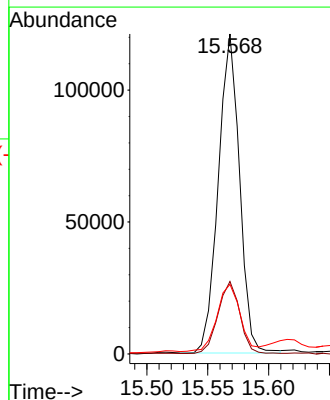
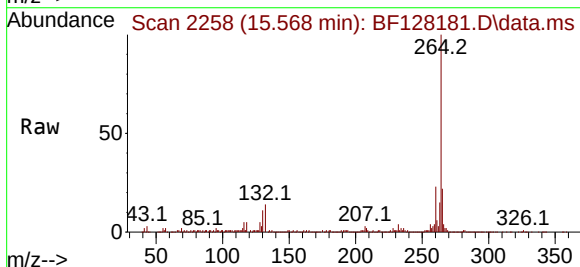
Instrument :
BNA_F
ClientSampleId :
VNJ-221

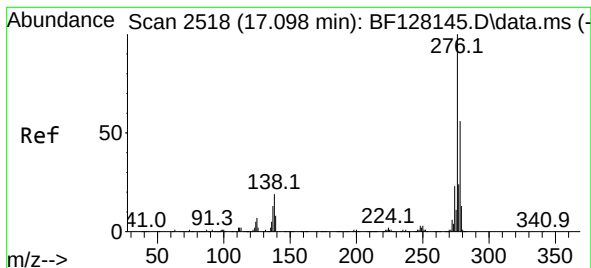
Tgt Ion:149 Resp: 19156
Ion Ratio Lower Upper
149 100
167 27.6 22.0 33.0
279 5.3 3.4 5.0#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 2258
Delta R.T. -0.006 min
Lab File: BF128181.D
Acq: 11 May 2022 01:16

Tgt Ion:264 Resp: 147024
Ion Ratio Lower Upper
264 100
260 22.6 20.1 30.1
265 21.8 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.493 ng

RT: 17.080 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF128181.D

Acq: 11 May 2022 01:16

Instrument :

BNA_F

ClientSampleId :

VNJ-221

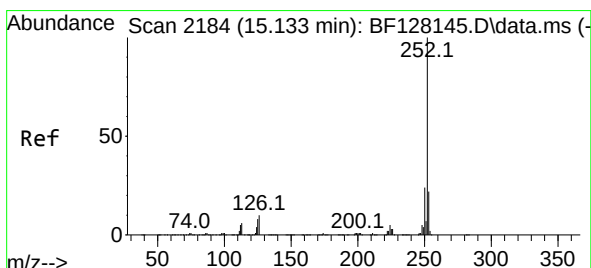
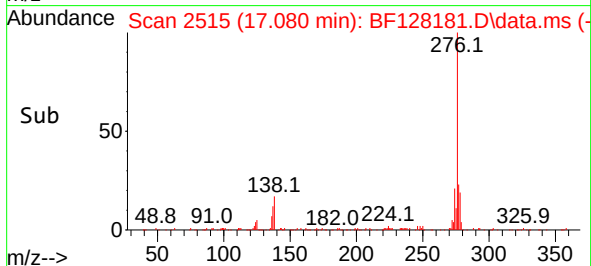
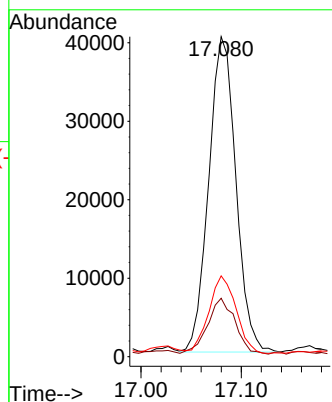
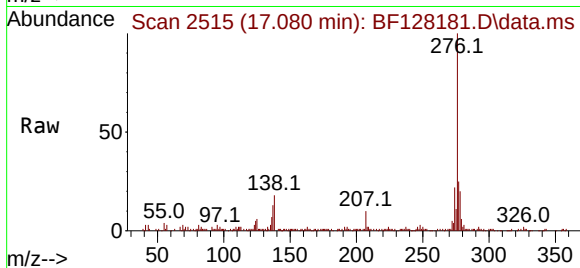
Tgt Ion:276 Resp: 75534

Ion Ratio Lower Upper

276 100

138 18.3 19.0 28.4#

277 24.6 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 30.516 ng

RT: 15.127 min Scan# 2183

Delta R.T. -0.006 min

Lab File: BF128181.D

Acq: 11 May 2022 01:16

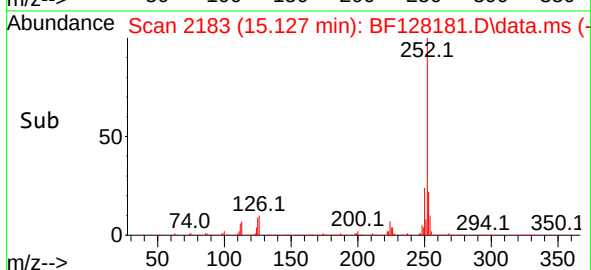
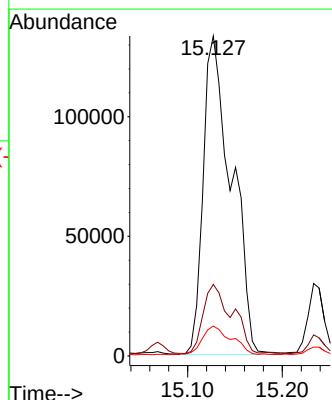
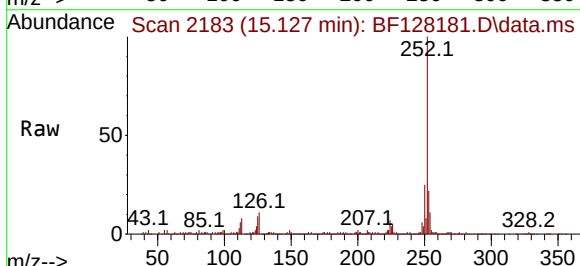
Tgt Ion:252 Resp: 278118

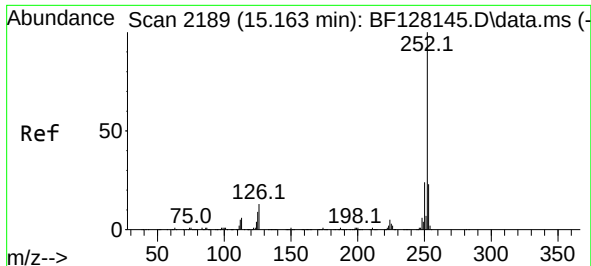
Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.2

125 9.4 7.4 11.2





#89

Benzo(k)fluoranthene

Concen: 30.914 ng

RT: 15.127 min Scan# 2189

Delta R.T. -0.035 min

Lab File: BF128181.D

Acq: 11 May 2022 01:16

Instrument :

BNA_F

ClientSampleId :

VNJ-221

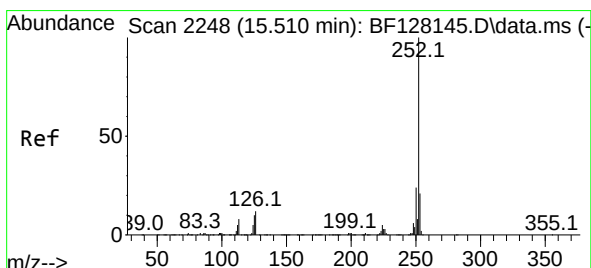
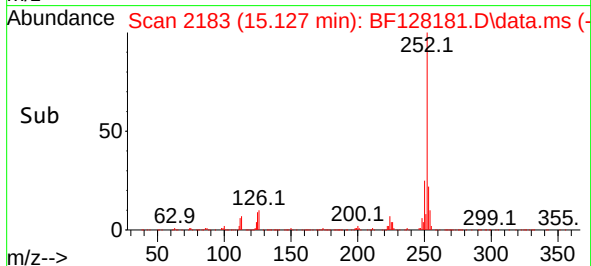
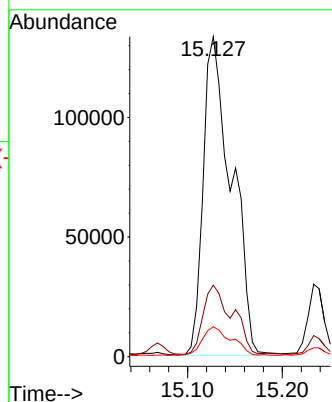
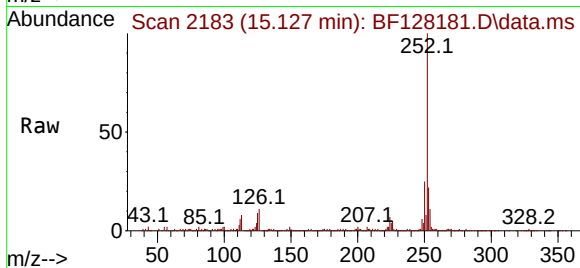
Tgt Ion:252 Resp: 278118

Ion Ratio Lower Upper

252 100

253 22.4 17.0 25.4

125 9.4 6.8 10.2



#90

Benzo(a)pyrene

Concen: 19.241 ng

RT: 15.504 min Scan# 2247

Delta R.T. -0.006 min

Lab File: BF128181.D

Acq: 11 May 2022 01:16

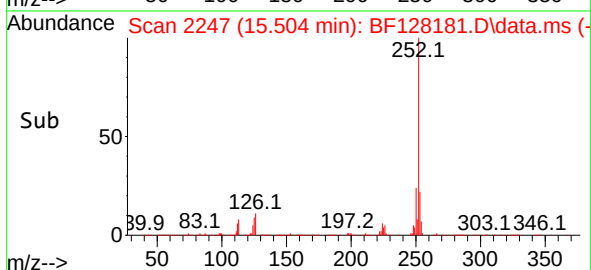
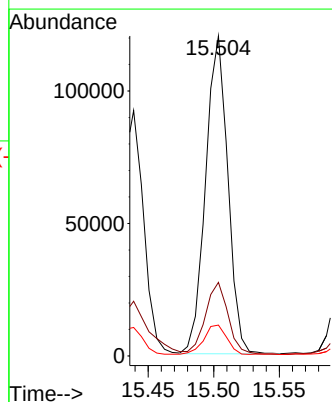
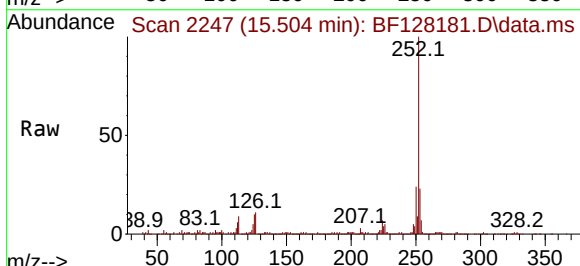
Tgt Ion:252 Resp: 141572

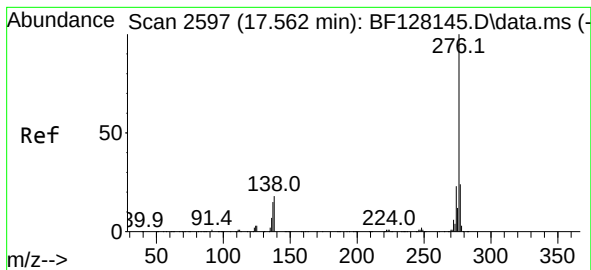
Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.6

125 9.6 9.2 13.8





#92
 Benzo(g,h,i)perylene
 Concen: 10.190 ng
 RT: 17.545 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BF128181.D
 Acq: 11 May 2022 01:16

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-221

Tgt Ion:276 Resp: 74288
 Ion Ratio Lower Upper
 276 100
 277 25.6 18.8 28.2
 138 19.9 16.2 24.2

