

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011725\
 Data File : BF141204.D
 Acq On : 17 Jan 2025 20:18
 Operator : RC/JU
 Sample : Q1115-10
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-213

Quant Time: Jan 17 23:12:03 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 10 22:54:19 2025
 Response via : Initial Calibration

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

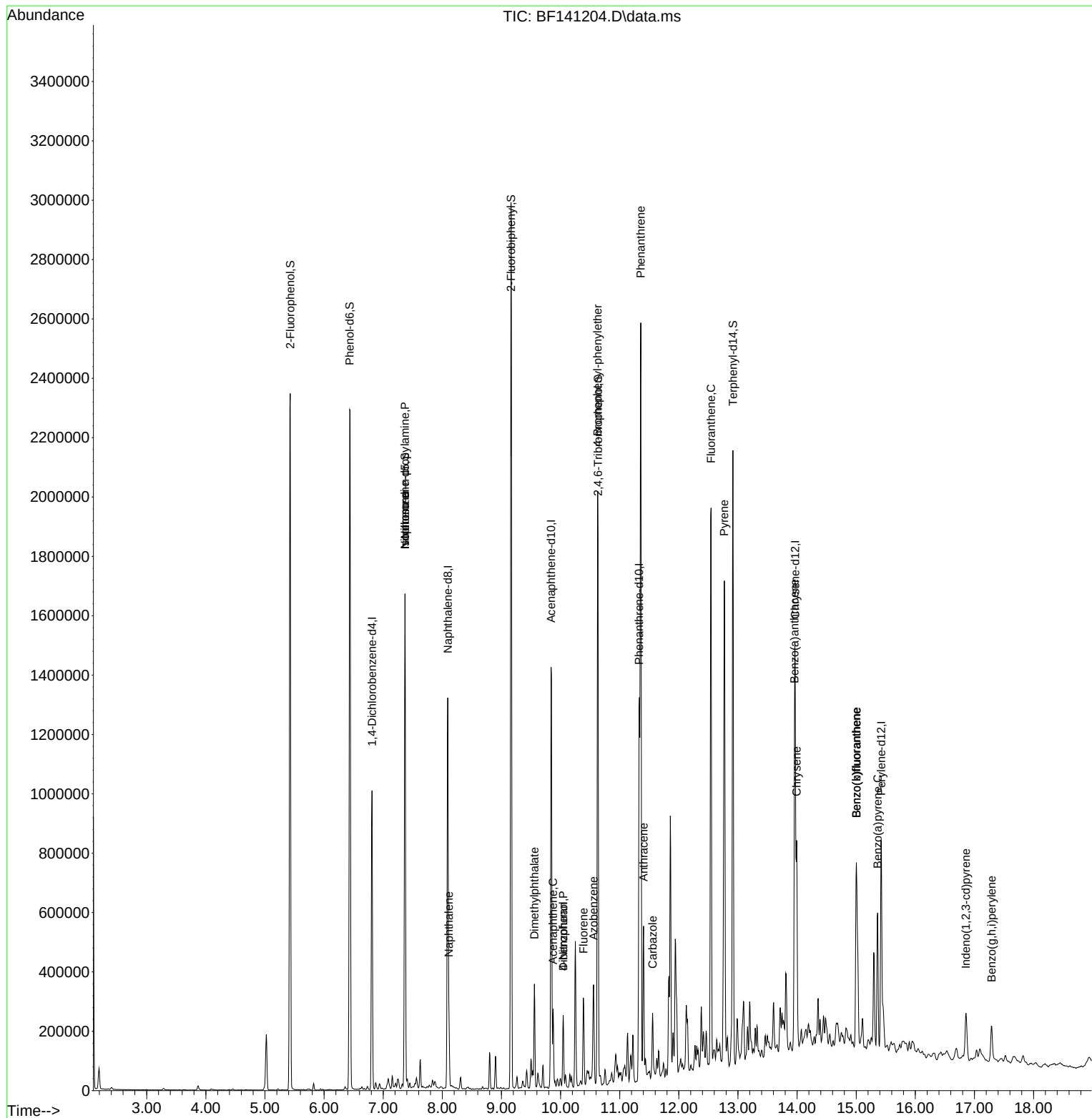
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.810	152	208969	20.000	ng	-0.01
21) Naphthalene-d8	8.092	136	824346	20.000	ng	-0.01
39) Acenaphthene-d10	9.839	164	430569	20.000	ng	-0.02
64) Phenanthrene-d10	11.327	188	661327	20.000	ng	-0.02
76) Chrysene-d12	13.968	240	394222	20.000	ng	-0.02
86) Perylene-d12	15.421	264	409982	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	935404	69.150	ng	0.00
7) Phenol-d6	6.434	99	1174427	68.539	ng	-0.01
23) Nitrobenzene-d5	7.369	82	749102	48.170	ng	-0.02
42) 2,4,6-Tribromophenol	10.633	330	348974	71.131	ng	-0.02
45) 2-Fluorobiphenyl	9.163	172	1297248	46.008	ng	-0.02
79) Terphenyl-d14	12.916	244	981926	37.021	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.369	70	103776	10.281	ng	# 77
25) Isophorone	7.369	82	743938	27.993	ng	# 65
31) Naphthalene	8.110	128	137287	3.158	ng	99
50) Dimethylphthalate	9.557	163	193617	6.698	ng	100
52) Acenaphthene	9.875	154	79806	3.070	ng	99
55) Dibenzofuran	10.045	168	107205	3.032	ng	98
56) 4-Nitrophenol	10.045	139	42354	7.917	ng	# 10
58) Fluorene	10.386	166	112284	4.087	ng	99
63) Azobenzene	10.557	77	61938	2.224	ng	# 1
67) 4-Bromophenyl-phenylether	10.628	248	21499	2.824	ng	# 1
71) Phenanthrene	11.357	178	1367361	38.512	ng	99
72) Anthracene	11.404	178	284610	8.244	ng	100
73) Carbazole	11.557	167	110049	3.476	ng	99
75) Fluoranthene	12.545	202	1089479	30.750	ng	98
78) Pyrene	12.769	202	930091	24.701	ng	99
81) Benzo(a)anthracene	13.957	228	408973	15.244	ng	98
83) Chrysene	13.992	228	352154	14.028	ng	98
87) Indeno(1,2,3-cd)pyrene	16.857	276	120026	3.996	ng	94
88) Benzo(b)fluoranthene	15.004	252	538370	20.364	ng	99
89) Benzo(k)fluoranthene	15.004	252	538370	24.097	ng	99
90) Benzo(a)pyrene	15.363	252	281169	12.891	ng	98
92) Benzo(g,h,i)perylene	17.292	276	105987	4.194	ng	98

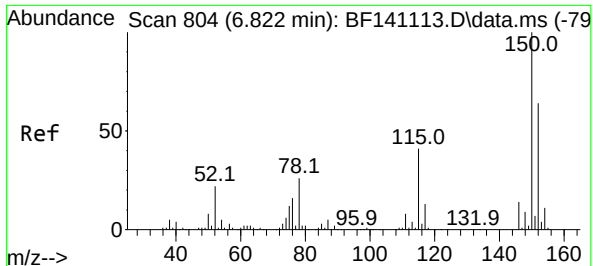
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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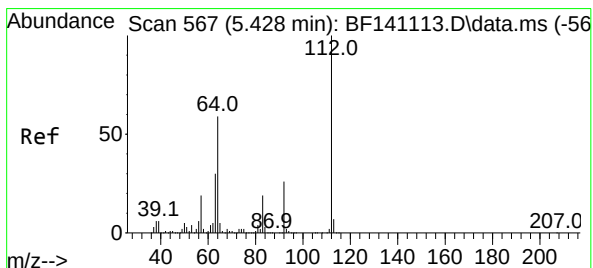
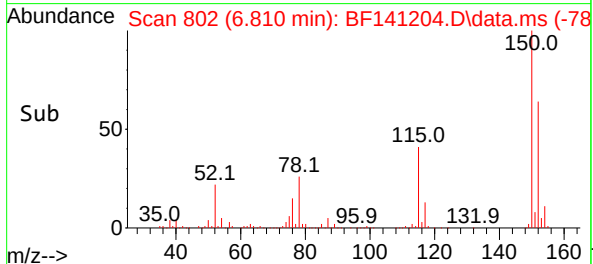
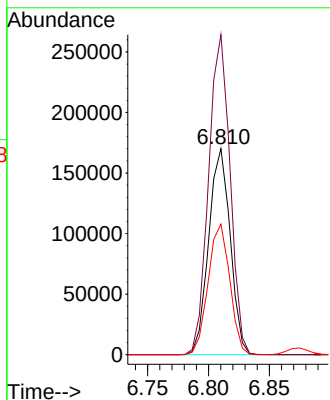
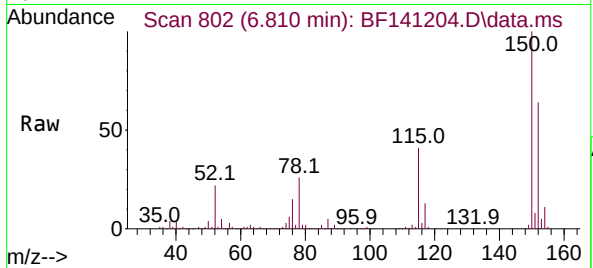




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 804
Delta R.T. -0.012 min
Lab File: BF141204.D
Acq: 17 Jan 2025 20:18

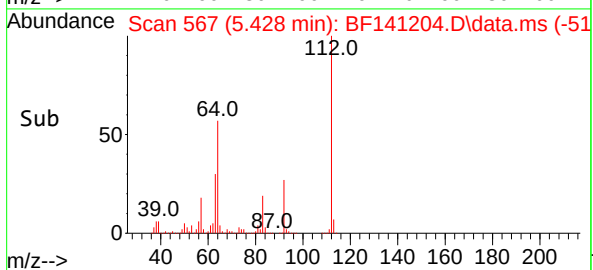
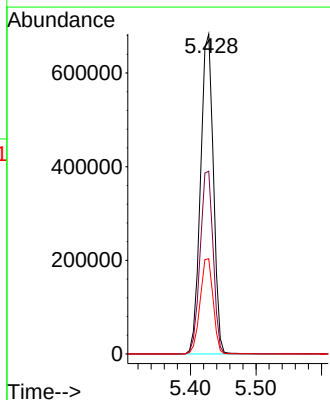
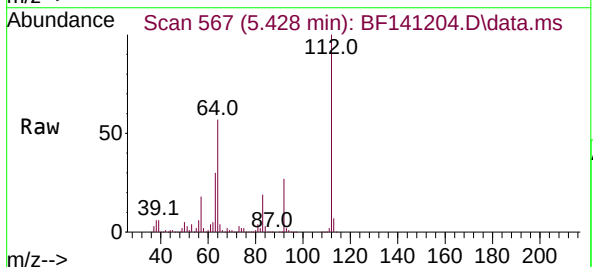
Instrument :
BNA_F
ClientSampleId :
VNJ-213

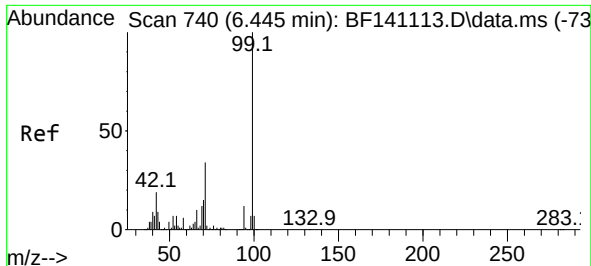
Tgt Ion:152 Resp: 208969
Ion Ratio Lower Upper
152 100
150 155.3 125.8 188.8
115 63.4 51.4 77.2



#5
2-Fluorophenol
Concen: 69.150 ng
RT: 5.428 min Scan# 567
Delta R.T. 0.000 min
Lab File: BF141204.D
Acq: 17 Jan 2025 20:18

Tgt Ion:112 Resp: 935404
Ion Ratio Lower Upper
112 100
64 57.1 47.3 70.9
63 29.8 24.2 36.2

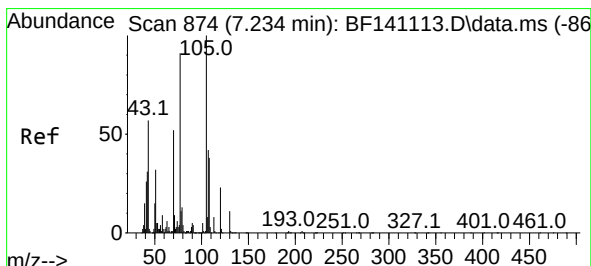
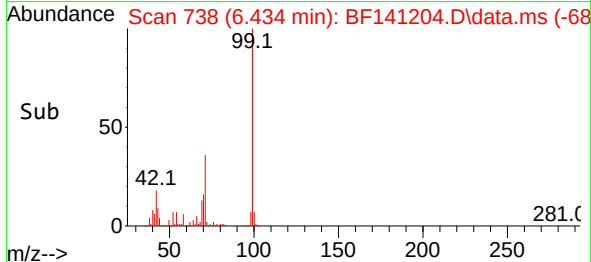
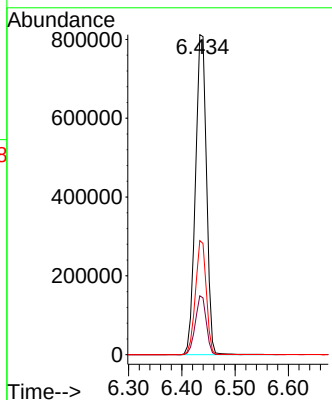
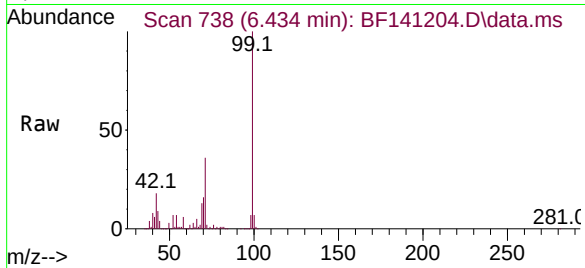




#7
Phenol-d6
Concen: 68.539 ng
RT: 6.434 min Scan# 714
Delta R.T. -0.012 min
Lab File: BF141204.D
Acq: 17 Jan 2025 20:18

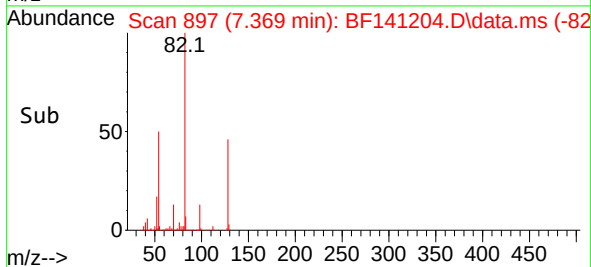
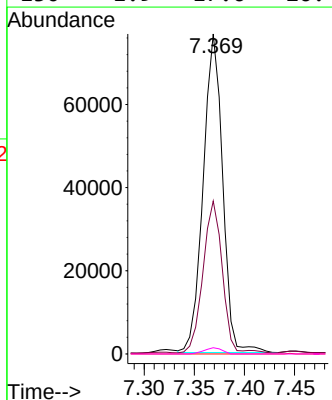
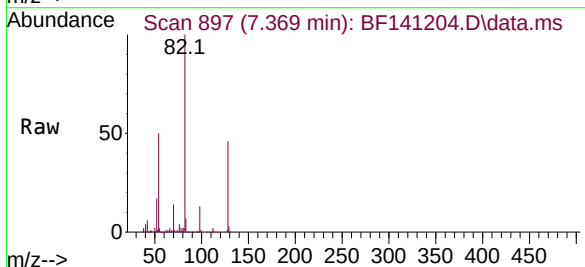
Instrument :
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ClientSampleId :
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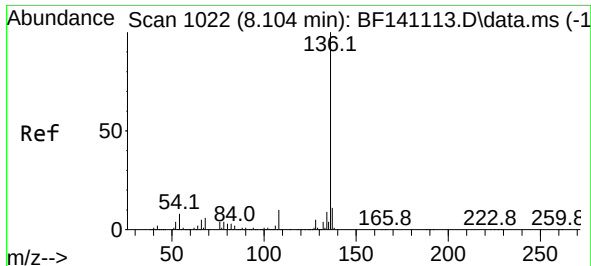
Tgt Ion: 99 Resp: 1174427
Ion Ratio Lower Upper
99 100
42 18.4 15.0 22.4
71 35.6 27.6 41.4



#19
n-Nitroso-di-n-propylamine
Concen: 10.281 ng
RT: 7.369 min Scan# 897
Delta R.T. 0.135 min
Lab File: BF141204.D
Acq: 17 Jan 2025 20:18

Tgt Ion: 70 Resp: 103776
Ion Ratio Lower Upper
70 100
42 47.8 47.8 71.6
101 0.0 7.9 11.9#
130 1.9 17.6 26.4#



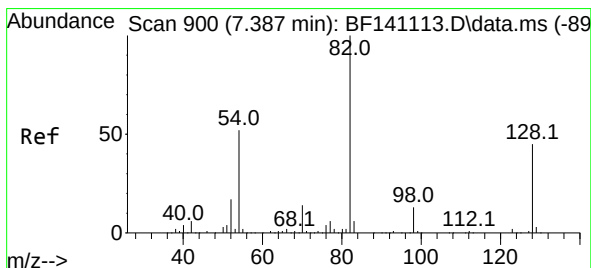
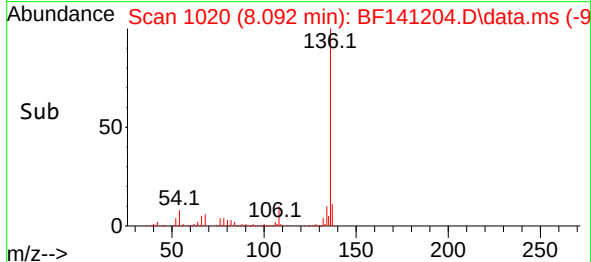
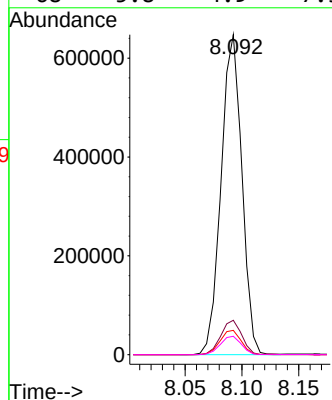
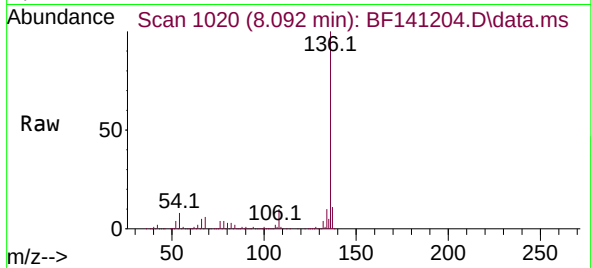


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.092 min Scan# 1022
Delta R.T. -0.012 min
Lab File: BF141204.D
Acq: 17 Jan 2025 20:18

Instrument :
BNA_F
ClientSampleId :
VNJ-213

Tgt Ion:136 Resp: 824346

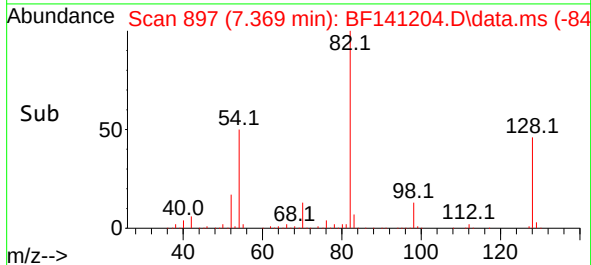
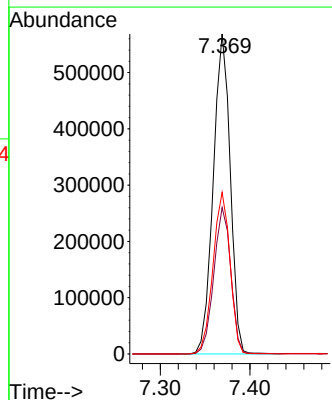
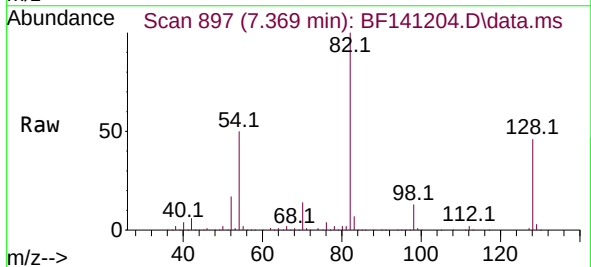
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	7.6	6.3	9.5
68	5.8	4.9	7.3

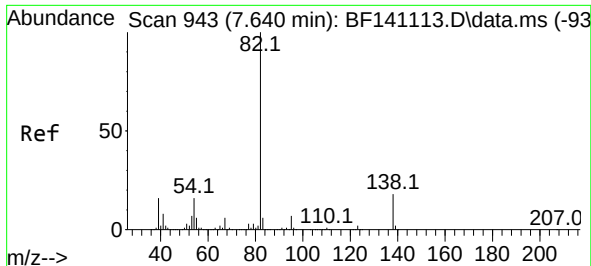


#23
Nitrobenzene-d5
Concen: 48.170 ng
RT: 7.369 min Scan# 897
Delta R.T. -0.018 min
Lab File: BF141204.D
Acq: 17 Jan 2025 20:18

Tgt Ion: 82 Resp: 749102

Ion	Ratio	Lower	Upper
82	100		
128	45.8	36.1	54.1
54	50.5	41.0	61.4

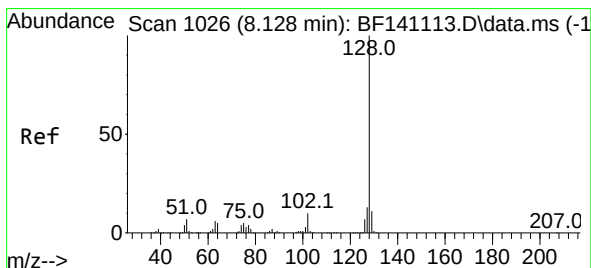
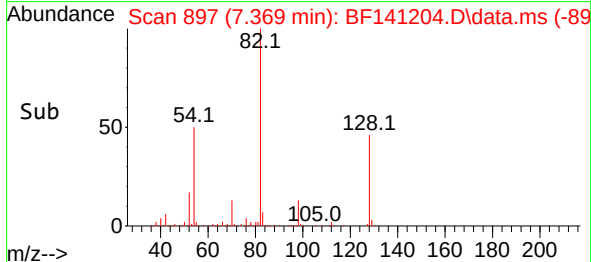
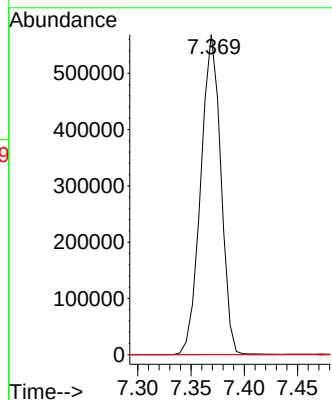
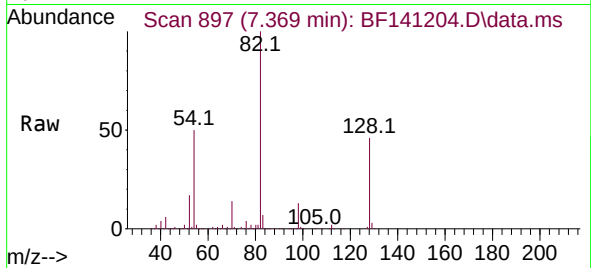




#25
Isophorone
Concen: 27.993 ng
RT: 7.369 min Scan# 897
Delta R.T. -0.271 min
Lab File: BF141204.D
Acq: 17 Jan 2025 20:18

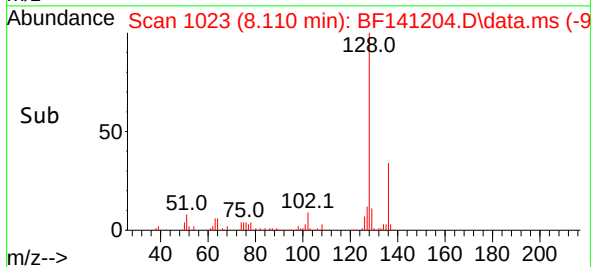
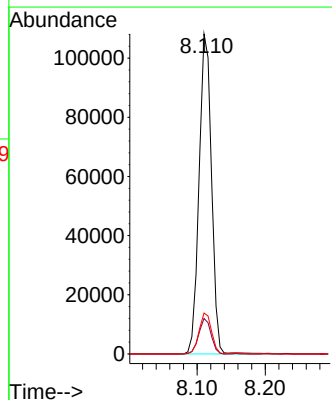
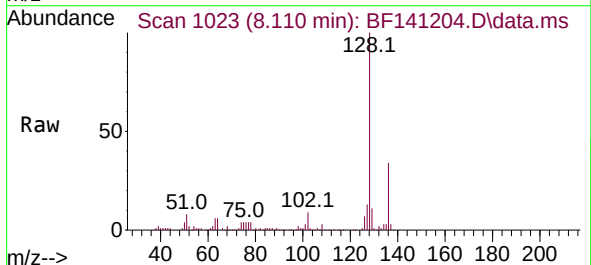
Instrument :
BNA_F
ClientSampleId :
VNJ-213

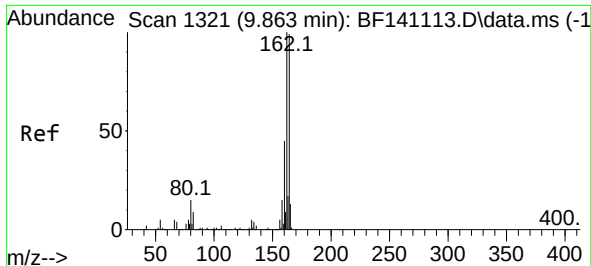
Tgt Ion: 82 Resp: 743938
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 14.2 21.2#



#31
Naphthalene
Concen: 3.158 ng
RT: 8.110 min Scan# 1023
Delta R.T. -0.018 min
Lab File: BF141204.D
Acq: 17 Jan 2025 20:18

Tgt Ion: 128 Resp: 137287
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.6
127 12.8 10.8 16.2

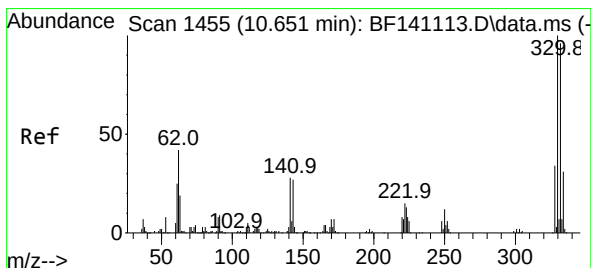
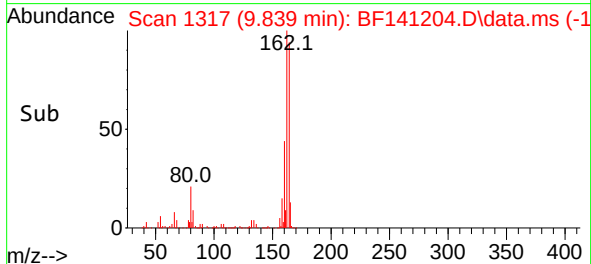
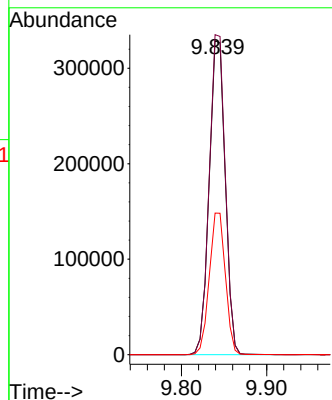
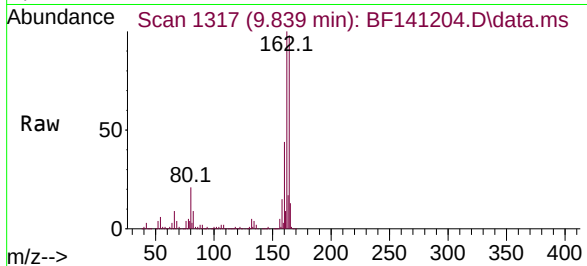




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 11
Delta R.T. -0.024 min
Lab File: BF141204.D
Acq: 17 Jan 2025 20:18

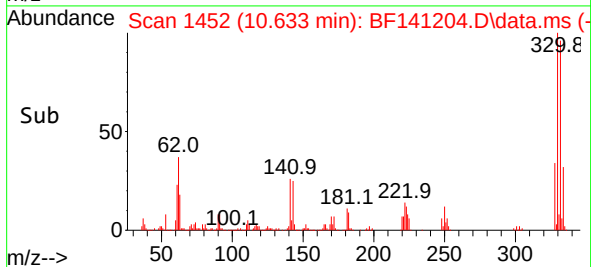
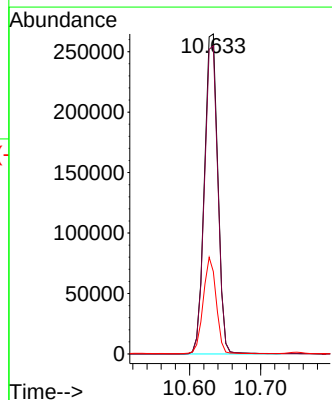
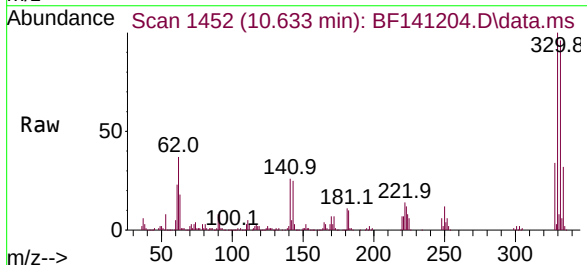
Instrument :
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ClientSampleId :
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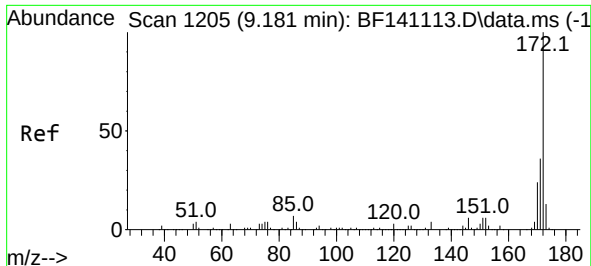
Tgt Ion:164 Resp: 430569
Ion Ratio Lower Upper
164 100
162 101.9 81.0 121.4
160 45.1 36.1 54.1



#42
2,4,6-Tribromophenol
Concen: 71.131 ng
RT: 10.633 min Scan# 1452
Delta R.T. -0.018 min
Lab File: BF141204.D
Acq: 17 Jan 2025 20:18

Tgt Ion:330 Resp: 348974
Ion Ratio Lower Upper
330 100
332 96.8 76.9 115.3
141 29.2 25.2 37.8





#45

2-Fluorobiphenyl

Concen: 46.008 ng

RT: 9.163 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF141204.D

Acq: 17 Jan 2025 20:18

Instrument :

BNA_F

ClientSampleId :

VNJ-213

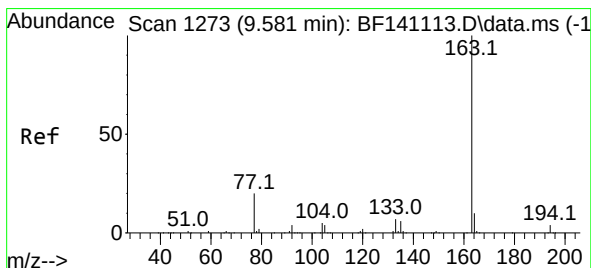
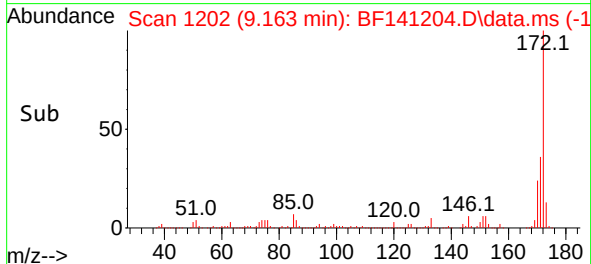
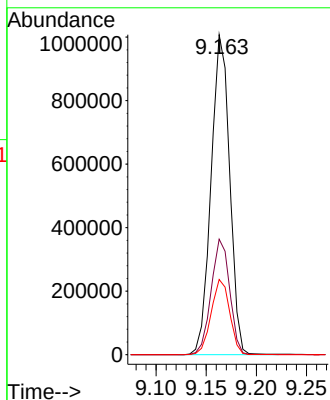
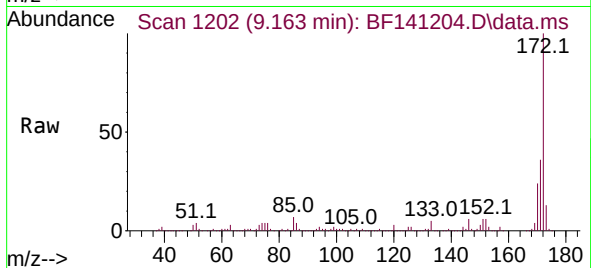
Tgt Ion:172 Resp: 1297248

Ion Ratio Lower Upper

172 100

171 36.1 28.7 43.1

170 23.5 19.0 28.6



#50

Dimethylphthalate

Concen: 6.698 ng

RT: 9.557 min Scan# 1269

Delta R.T. -0.024 min

Lab File: BF141204.D

Acq: 17 Jan 2025 20:18

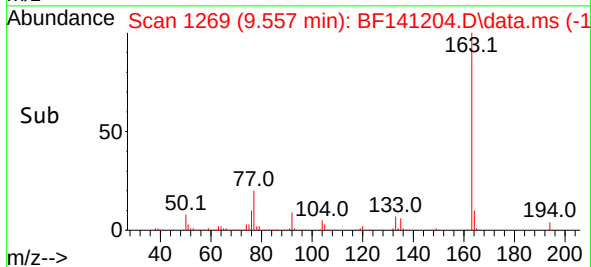
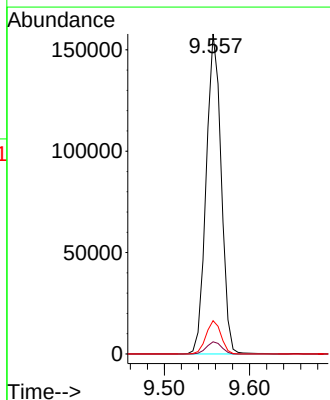
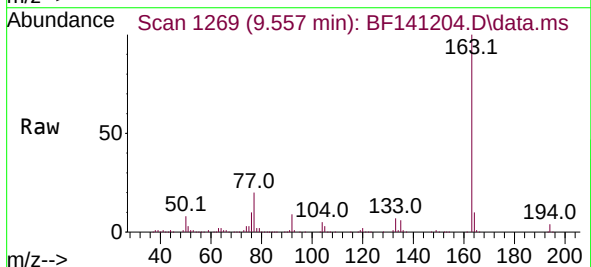
Tgt Ion:163 Resp: 193617

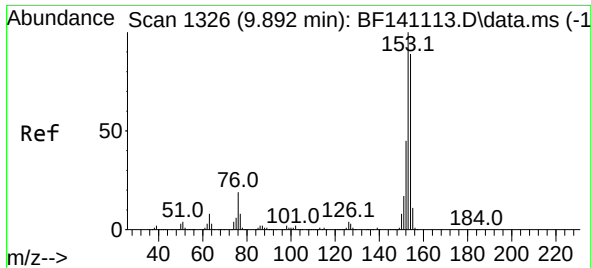
Ion Ratio Lower Upper

163 100

194 3.8 3.0 4.6

164 10.4 8.2 12.4

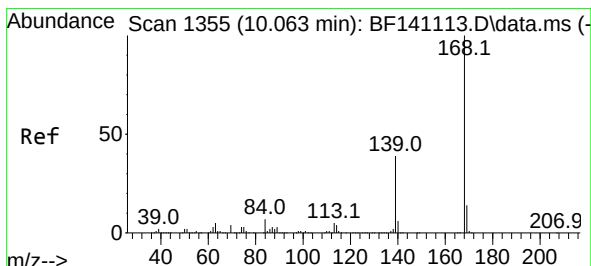
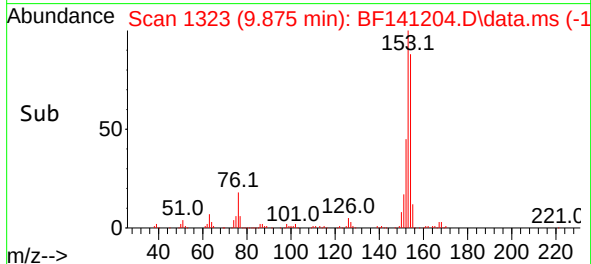
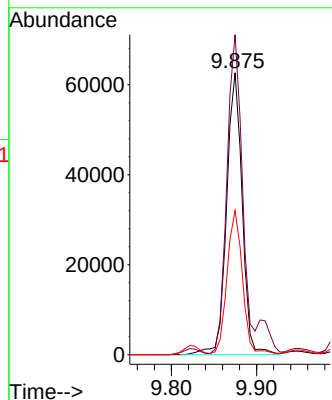
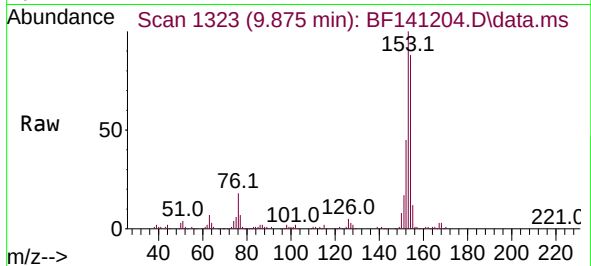




#52
Acenaphthene
Concen: 3.070 ng
RT: 9.875 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141204.D
Acq: 17 Jan 2025 20:18

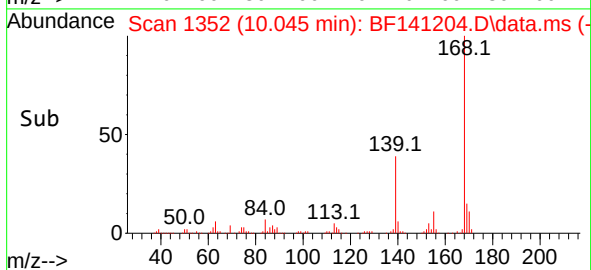
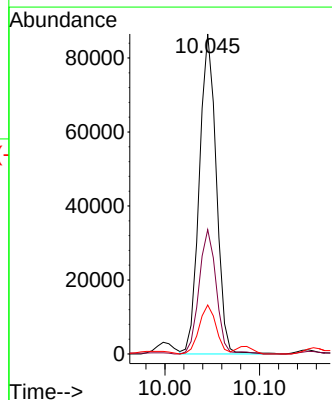
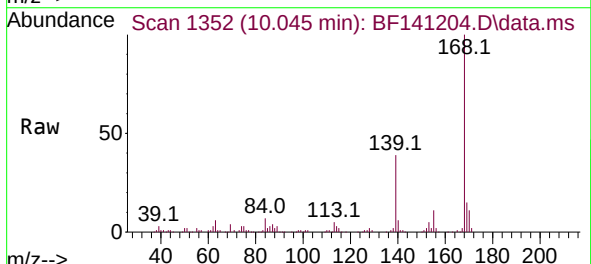
Instrument :
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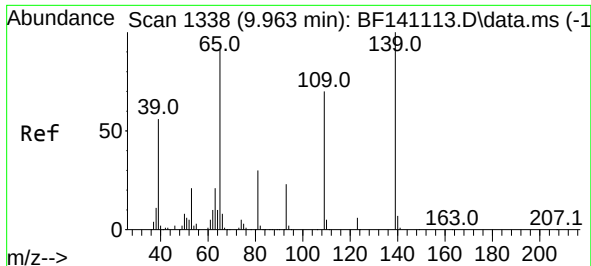
Tgt Ion:154 Resp: 79806
Ion Ratio Lower Upper
154 100
153 113.5 89.8 134.6
152 51.1 40.8 61.2



#55
Dibenzofuran
Concen: 3.032 ng
RT: 10.045 min Scan# 1352
Delta R.T. -0.018 min
Lab File: BF141204.D
Acq: 17 Jan 2025 20:18

Tgt Ion:168 Resp: 107205
Ion Ratio Lower Upper
168 100
139 38.8 31.4 47.0
169 15.3 10.9 16.3

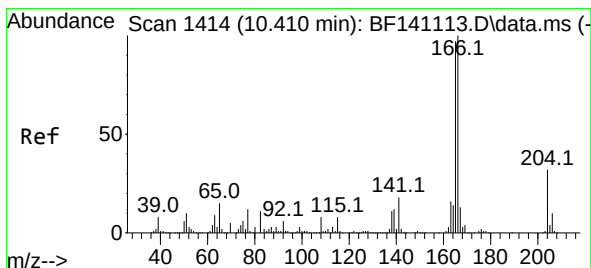
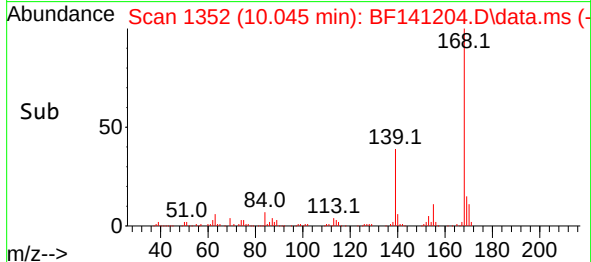
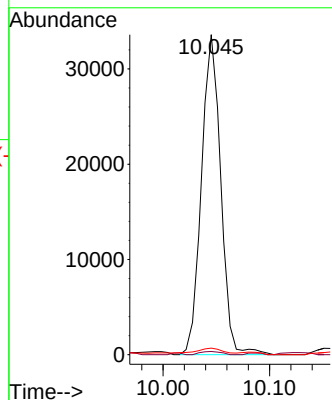
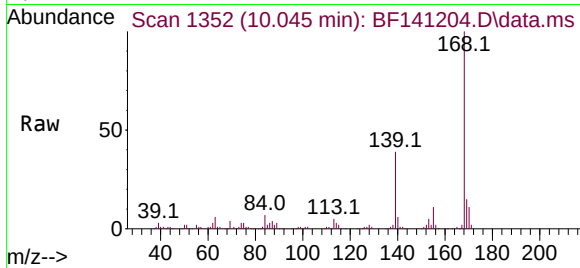




#56
4-Nitrophenol
Concen: 7.917 ng
RT: 10.045 min Scan# 11
Delta R.T. 0.082 min
Lab File: BF141204.D
Acq: 17 Jan 2025 20:18

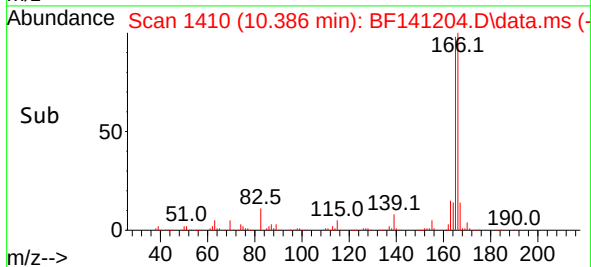
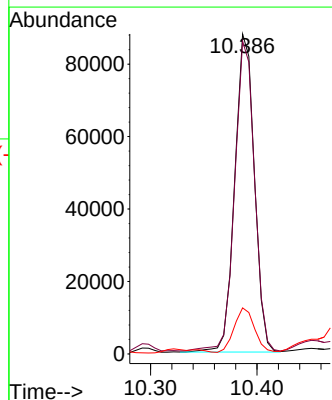
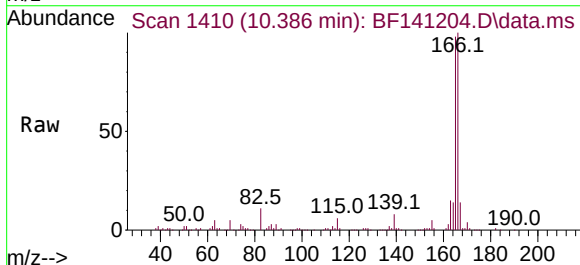
Instrument :
BNA_F
ClientSampleId :
VNJ-213

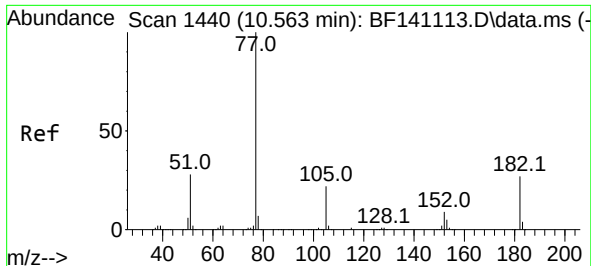
Tgt Ion:139 Resp: 42354
Ion Ratio Lower Upper
139 100
109 1.0 50.2 90.2#
65 2.0 72.1 112.1#



#58
Fluorene
Concen: 4.087 ng
RT: 10.386 min Scan# 1410
Delta R.T. -0.024 min
Lab File: BF141204.D
Acq: 17 Jan 2025 20:18

Tgt Ion:166 Resp: 112284
Ion Ratio Lower Upper
166 100
165 97.7 77.8 116.8
167 14.4 10.8 16.2

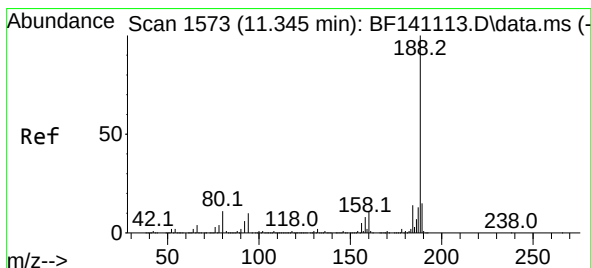
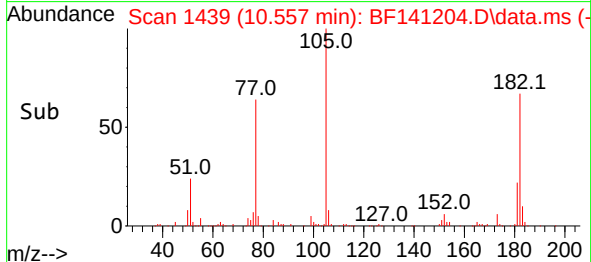
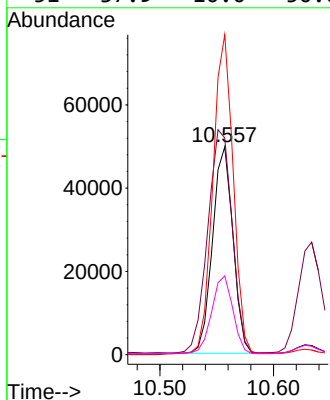
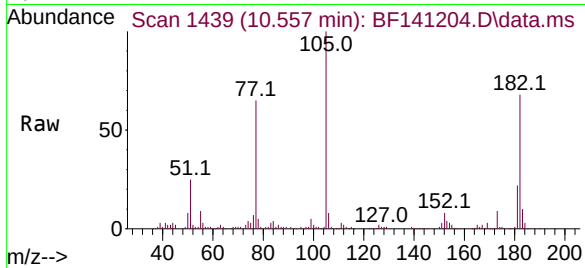




#63
Azobenzene
Concen: 2.224 ng
RT: 10.557 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141204.D
Acq: 17 Jan 2025 20:18

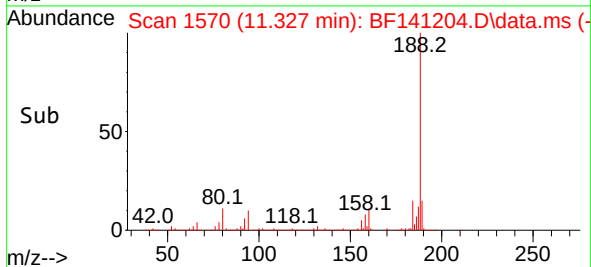
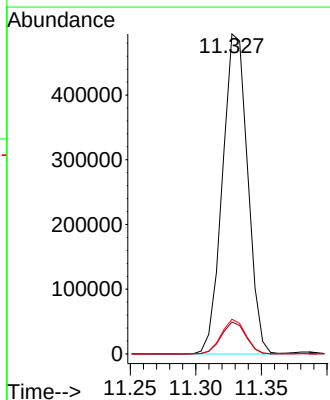
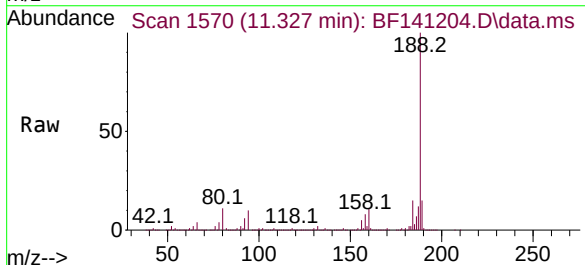
Instrument :
BNA_F
ClientSampleId :
VNJ-213

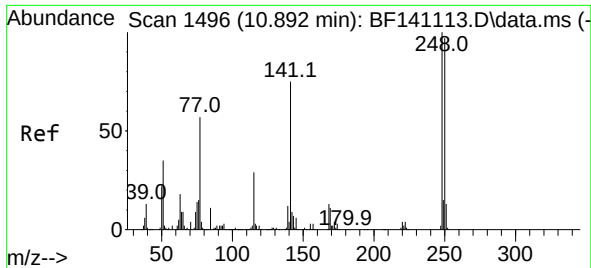
Tgt Ion: 77 Resp: 61938
Ion Ratio Lower Upper
77 100
182 104.4 6.1 46.1#
105 154.0 2.1 42.1#
51 37.9 10.0 50.0



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1570
Delta R.T. -0.018 min
Lab File: BF141204.D
Acq: 17 Jan 2025 20:18

Tgt Ion:188 Resp: 661327
Ion Ratio Lower Upper
188 100
94 10.0 8.3 12.5
80 10.8 9.0 13.4

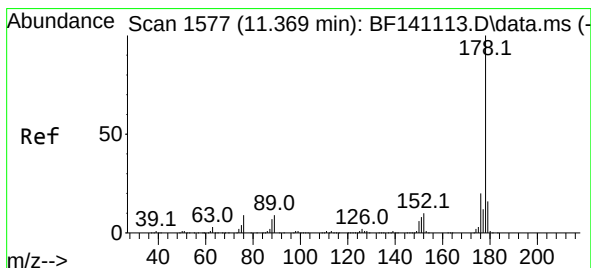
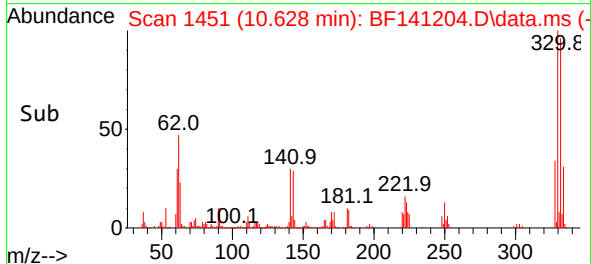
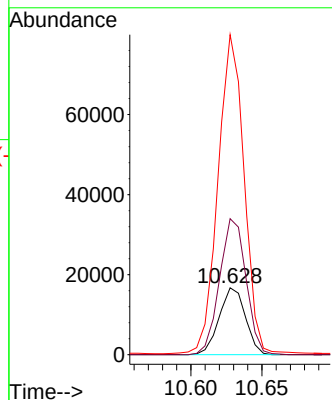
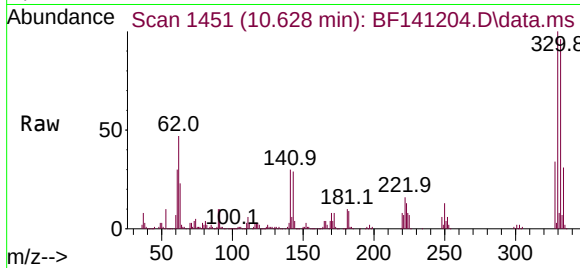




#67
4-Bromophenyl-phenylether
Concen: 2.824 ng
RT: 10.628 min Scan# 1496
Delta R.T. -0.265 min
Lab File: BF141204.D
Acq: 17 Jan 2025 20:18

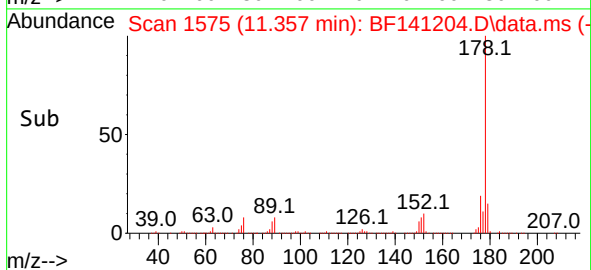
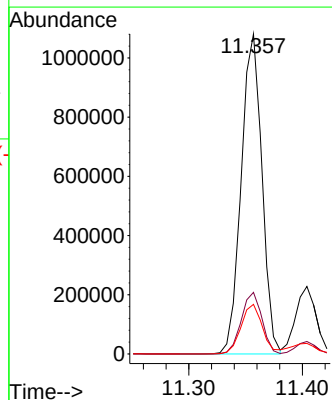
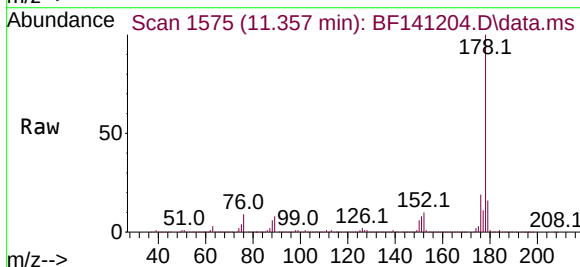
Instrument :
BNA_F
ClientSampleId :
VNJ-213

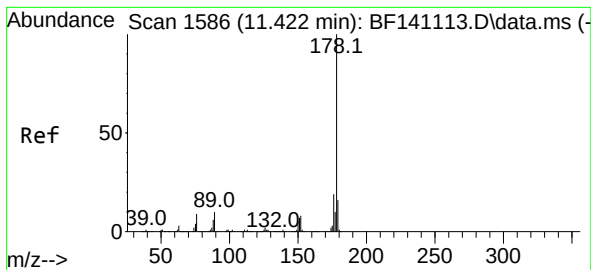
Tgt Ion:248 Resp: 21499
Ion Ratio Lower Upper
248 100
250 203.0 77.9 116.9#
141 477.8 59.9 89.9#



#71
Phenanthrene
Concen: 38.512 ng
RT: 11.357 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF141204.D
Acq: 17 Jan 2025 20:18

Tgt Ion:178 Resp: 1367361
Ion Ratio Lower Upper
178 100
176 19.3 15.7 23.5
179 15.5 12.6 19.0





#72

Anthracene

Concen: 8.244 ng

RT: 11.404 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF141204.D

Acq: 17 Jan 2025 20:18

Instrument :

BNA_F

ClientSampleId :

VNJ-213

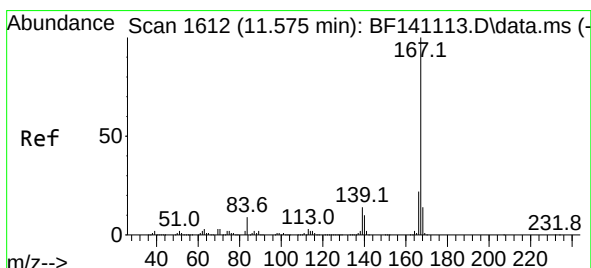
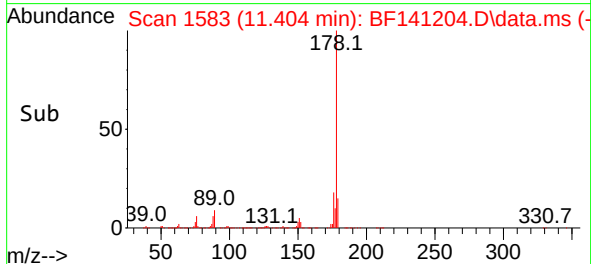
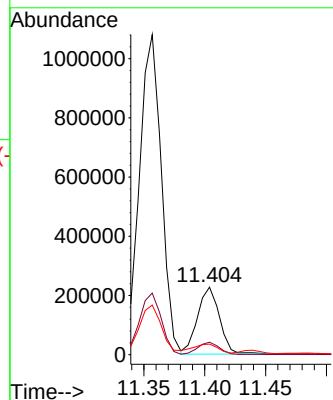
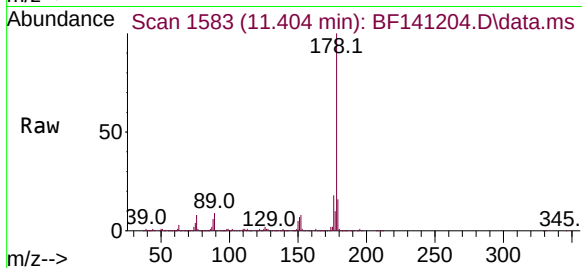
Tgt Ion:178 Resp: 284610

Ion Ratio Lower Upper

178 100

176 18.4 14.9 22.3

179 15.7 12.6 19.0



#73

Carbazole

Concen: 3.476 ng

RT: 11.557 min Scan# 1609

Delta R.T. -0.018 min

Lab File: BF141204.D

Acq: 17 Jan 2025 20:18

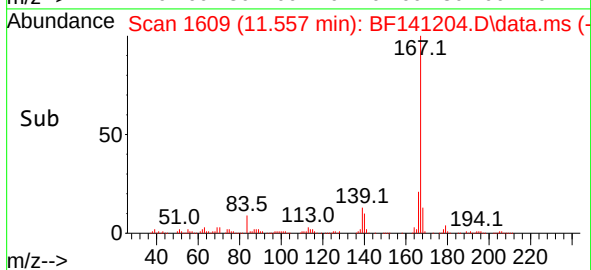
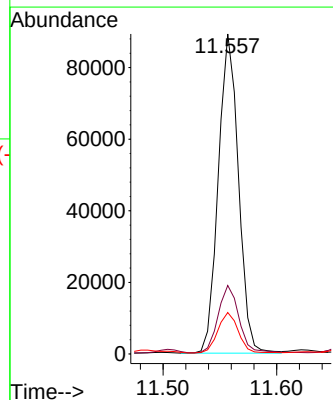
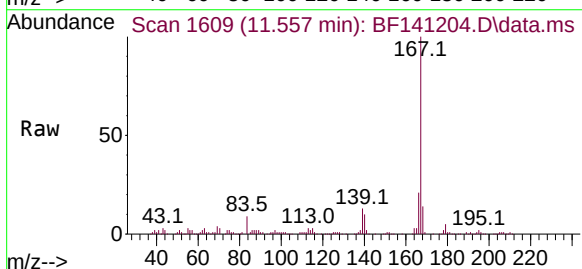
Tgt Ion:167 Resp: 110049

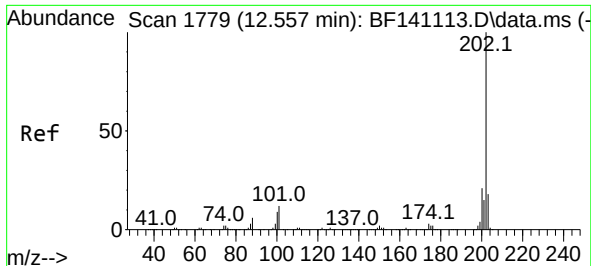
Ion Ratio Lower Upper

167 100

166 21.4 17.4 26.2

139 13.0 10.9 16.3

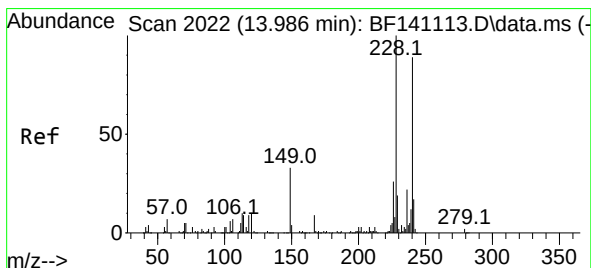
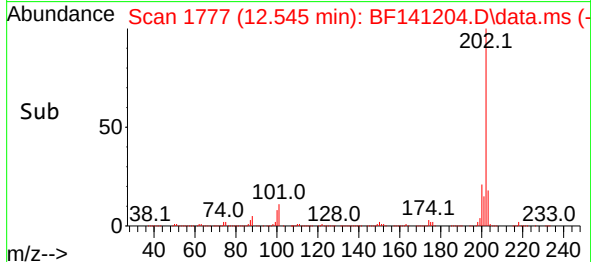
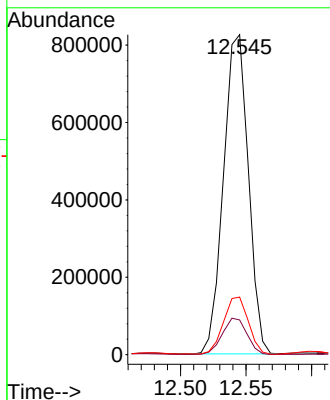
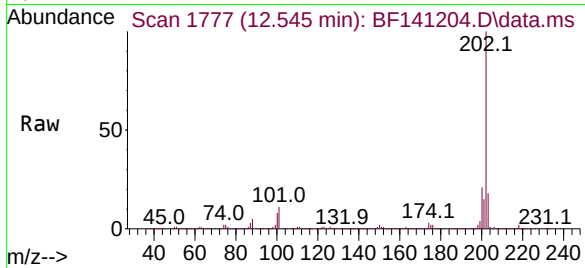




#75
Fluoranthene
Concen: 30.750 ng
RT: 12.545 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141204.D
Acq: 17 Jan 2025 20:18

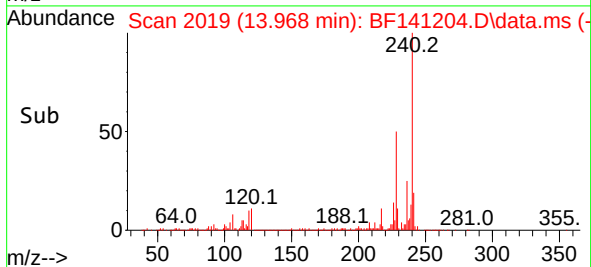
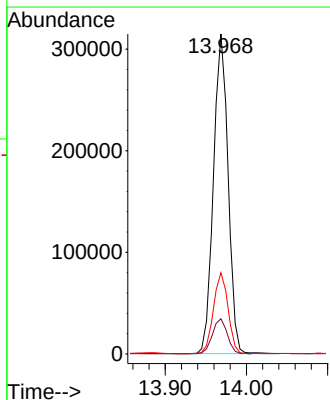
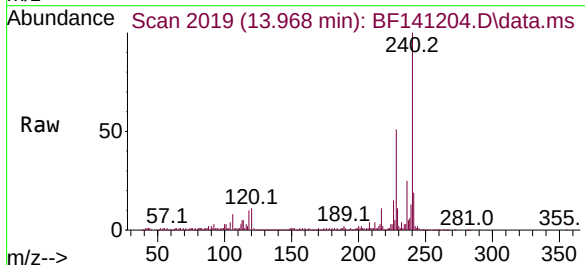
Instrument :
BNA_F
ClientSampleId :
VNJ-213

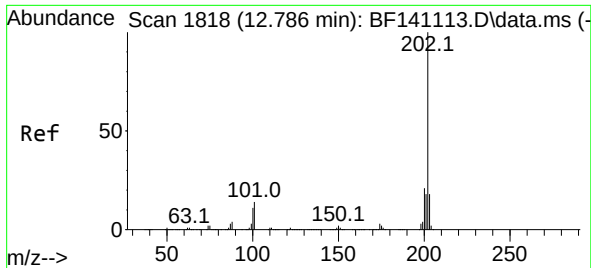
Tgt Ion:202 Resp: 1089479
Ion Ratio Lower Upper
202 100
101 10.9 0.0 32.3
203 18.0 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2019
Delta R.T. -0.018 min
Lab File: BF141204.D
Acq: 17 Jan 2025 20:18

Tgt Ion:240 Resp: 394222
Ion Ratio Lower Upper
240 100
120 11.0 9.1 13.7
236 25.4 19.8 29.6

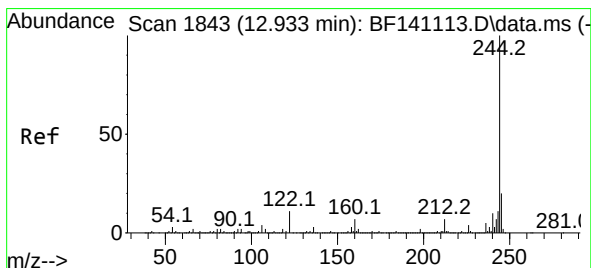
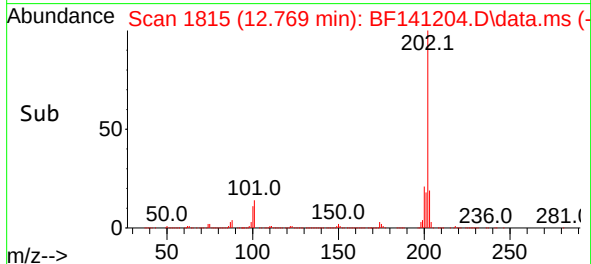
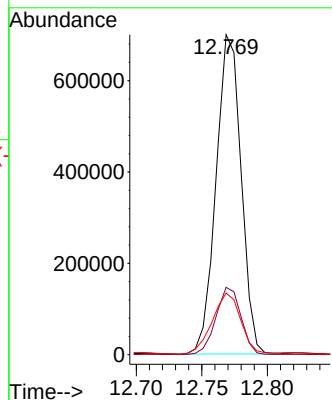
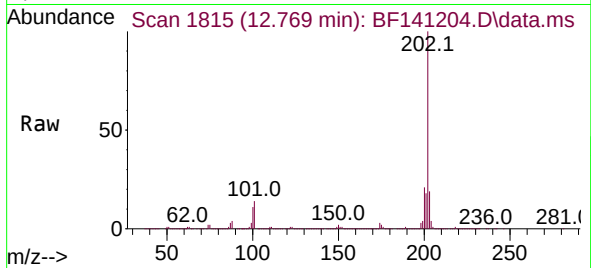




#78
 Pyrene
 Concen: 24.701 ng
 RT: 12.769 min Scan# 1815
 Delta R.T. -0.018 min
 Lab File: BF141204.D
 Acq: 17 Jan 2025 20:18

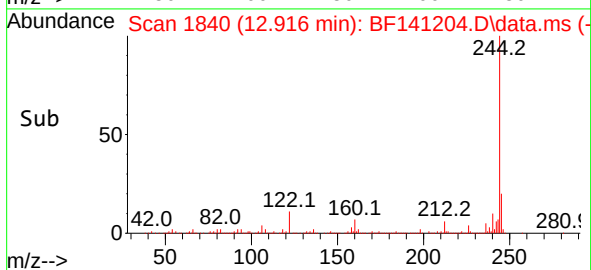
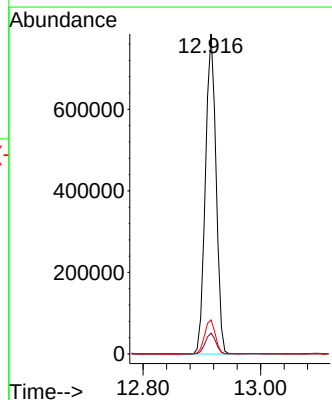
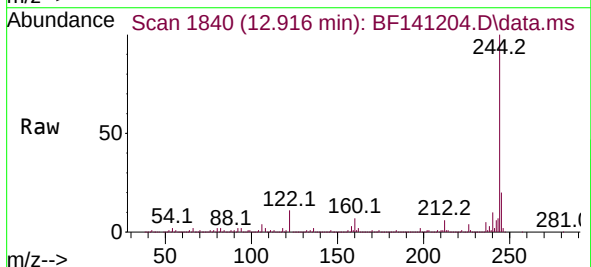
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-213

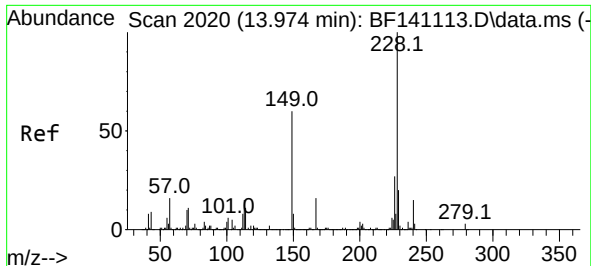
Tgt Ion:202 Resp: 930091
 Ion Ratio Lower Upper
 202 100
 200 21.1 16.8 25.2
 203 19.2 14.3 21.5



#79
 Terphenyl-d14
 Concen: 37.021 ng
 RT: 12.916 min Scan# 1840
 Delta R.T. -0.018 min
 Lab File: BF141204.D
 Acq: 17 Jan 2025 20:18

Tgt Ion:244 Resp: 981926
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.2
 122 10.6 8.8 13.2

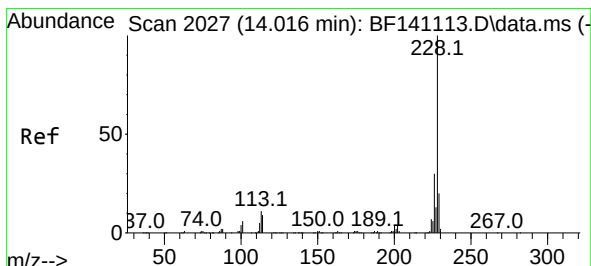
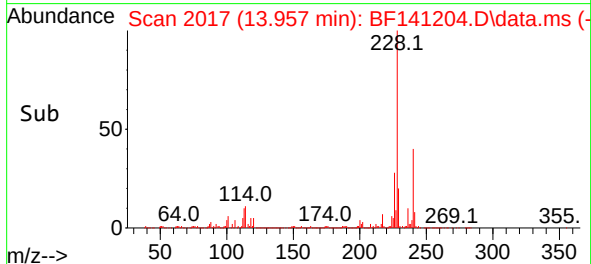
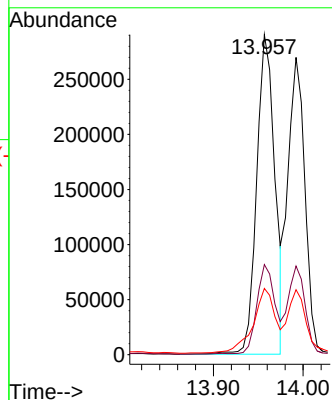
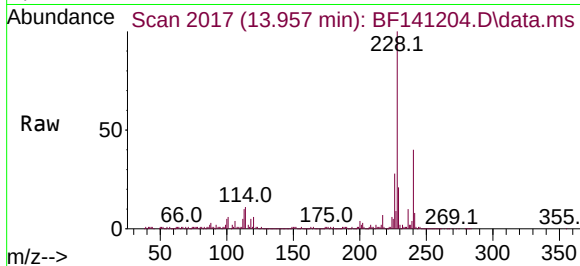




#81
Benzo(a)anthracene
Concen: 15.244 ng
RT: 13.957 min Scan# 20
Delta R.T. -0.018 min
Lab File: BF141204.D
Acq: 17 Jan 2025 20:18

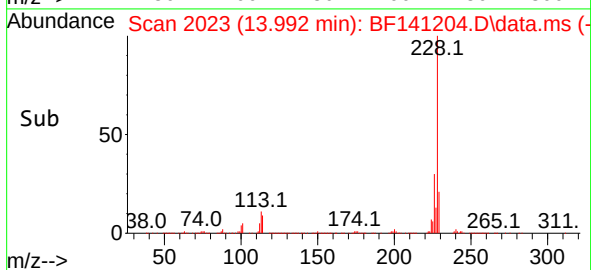
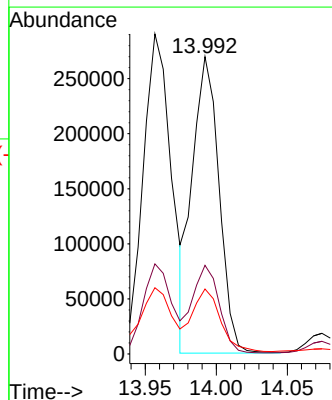
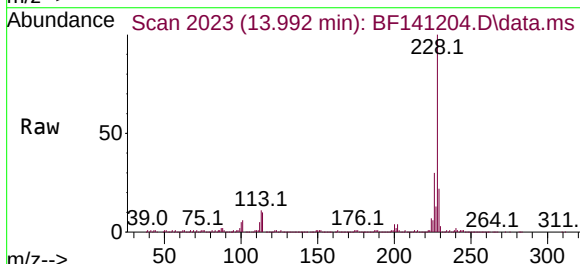
Instrument :
BNA_F
ClientSampleId :
VNJ-213

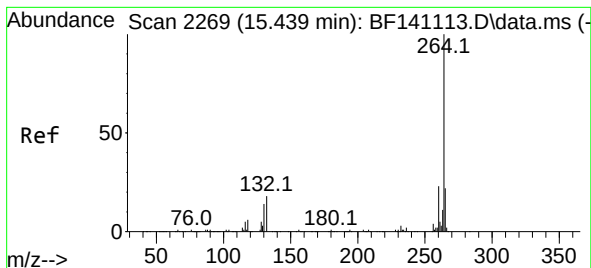
Tgt Ion:228 Resp: 408973
Ion Ratio Lower Upper
228 100
226 28.2 21.7 32.5
229 20.7 15.7 23.5



#83
Chrysene
Concen: 14.028 ng
RT: 13.992 min Scan# 2023
Delta R.T. -0.024 min
Lab File: BF141204.D
Acq: 17 Jan 2025 20:18

Tgt Ion:228 Resp: 352154
Ion Ratio Lower Upper
228 100
226 29.8 23.8 35.8
229 21.9 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF141204.D

Acq: 17 Jan 2025 20:18

Instrument :

BNA_F

ClientSampleId :

VNJ-213

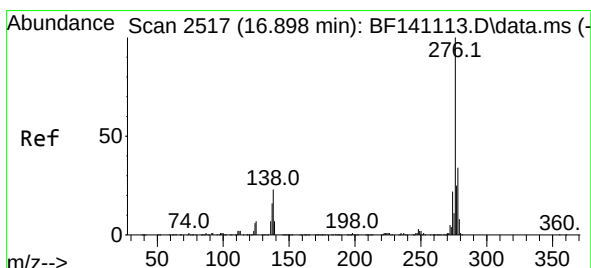
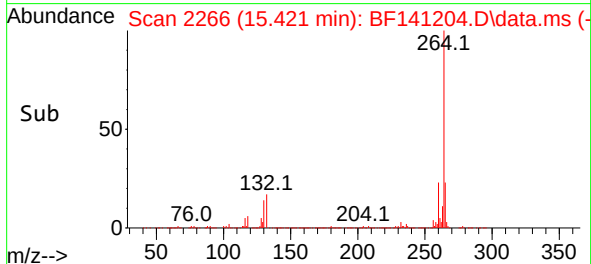
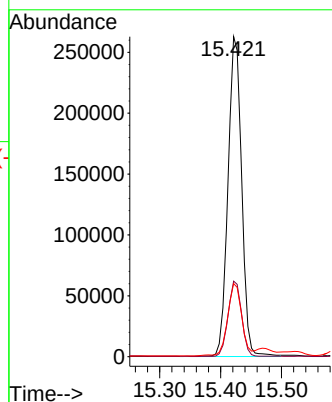
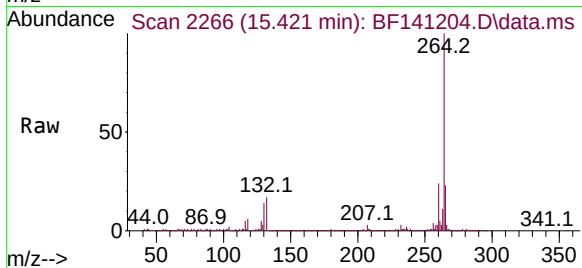
Tgt Ion:264 Resp: 409982

Ion Ratio Lower Upper

264 100

260 23.6 18.6 28.0

265 22.9 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.996 ng

RT: 16.857 min Scan# 2510

Delta R.T. -0.041 min

Lab File: BF141204.D

Acq: 17 Jan 2025 20:18

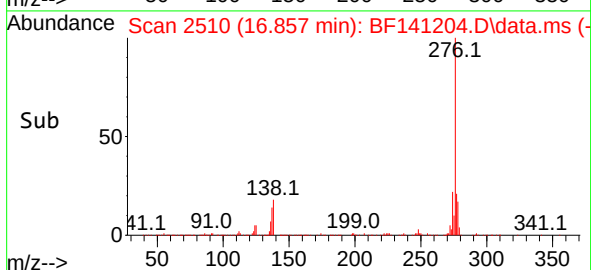
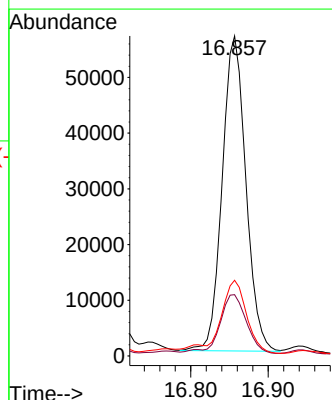
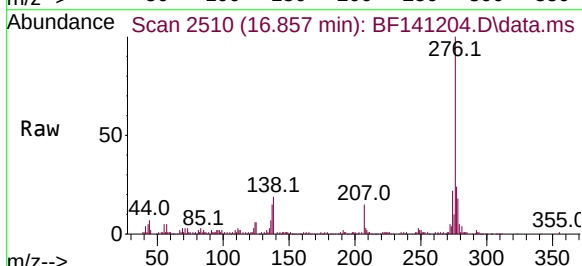
Tgt Ion:276 Resp: 120026

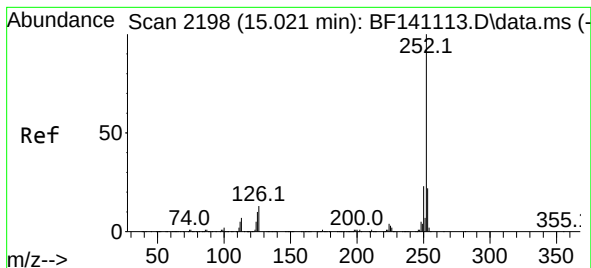
Ion Ratio Lower Upper

276 100

138 21.5 20.7 31.1

277 27.0 20.6 30.8





#88

Benzo(b)fluoranthene

Concen: 20.364 ng

RT: 15.004 min Scan# 2195

Delta R.T. -0.018 min

Lab File: BF141204.D

Acq: 17 Jan 2025 20:18

Instrument :

BNA_F

ClientSampleId :

VNJ-213

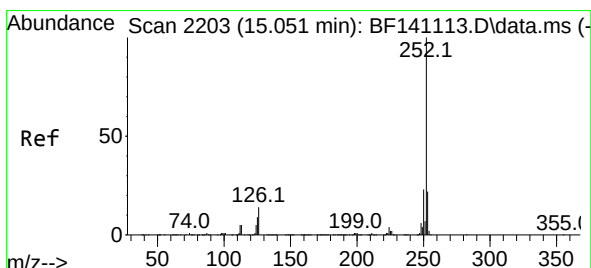
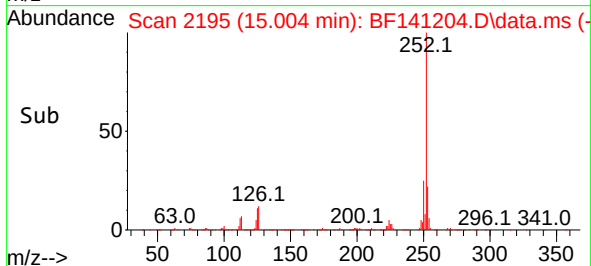
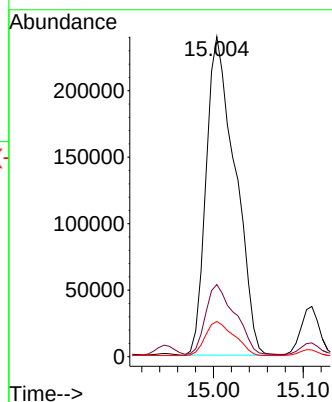
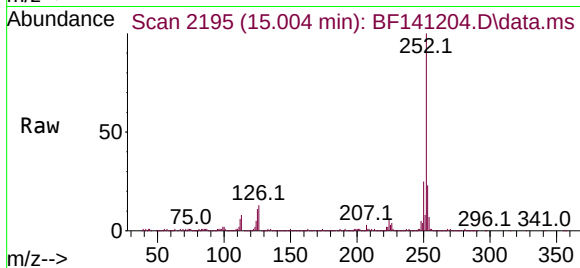
Tgt Ion:252 Resp: 538370

Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.6

125 11.0 8.1 12.1



#89

Benzo(k)fluoranthene

Concen: 24.097 ng

RT: 15.004 min Scan# 2195

Delta R.T. -0.047 min

Lab File: BF141204.D

Acq: 17 Jan 2025 20:18

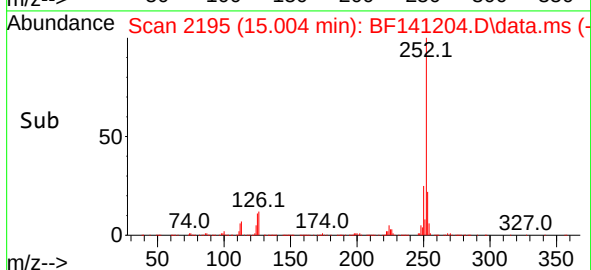
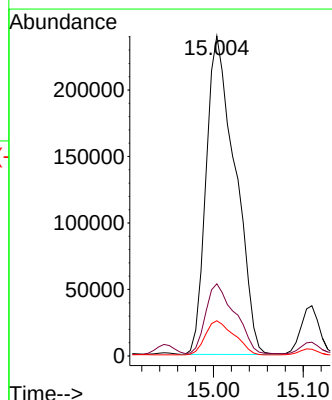
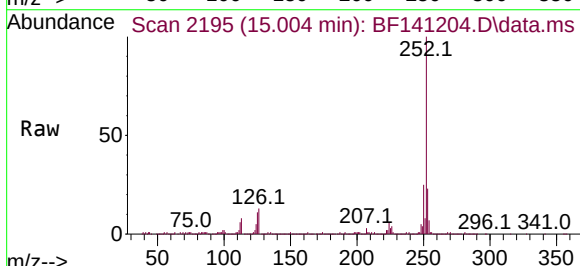
Tgt Ion:252 Resp: 538370

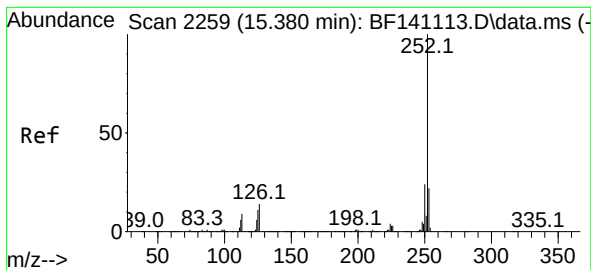
Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.8

125 11.0 7.9 11.9





#90

Benzo(a)pyrene

Concen: 12.891 ng

RT: 15.363 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF141204.D

Acq: 17 Jan 2025 20:18

Instrument :

BNA_F

ClientSampleId :

VNJ-213

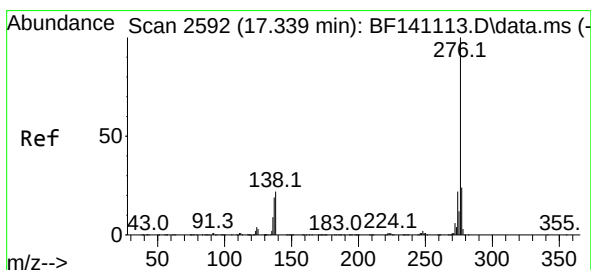
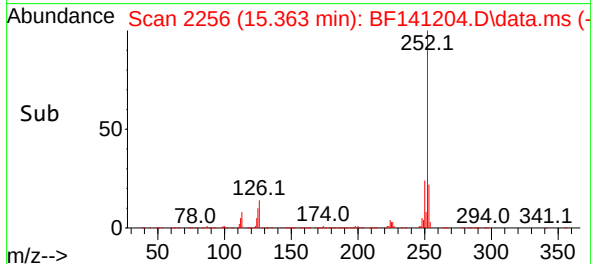
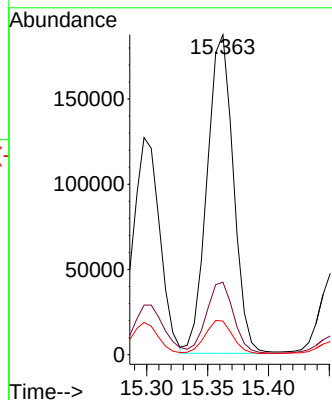
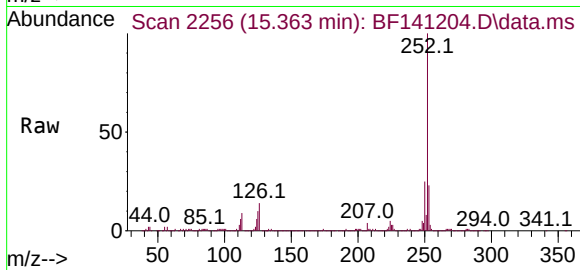
Tgt Ion:252 Resp: 281169

Ion Ratio Lower Upper

252 100

253 22.7 17.7 26.5

125 10.5 9.1 13.7



#92

Benzo(g,h,i)perylene

Concen: 4.194 ng

RT: 17.292 min Scan# 2584

Delta R.T. -0.047 min

Lab File: BF141204.D

Acq: 17 Jan 2025 20:18

Tgt Ion:276 Resp: 105987

Ion Ratio Lower Upper

276 100

277 22.9 19.0 28.4

138 20.6 17.4 26.2

