

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011725\
 Data File : BF141196.D
 Acq On : 17 Jan 2025 16:48
 Operator : RC/JU
 Sample : Q1103-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-241

Quant Time: Jan 17 17:09:50 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)

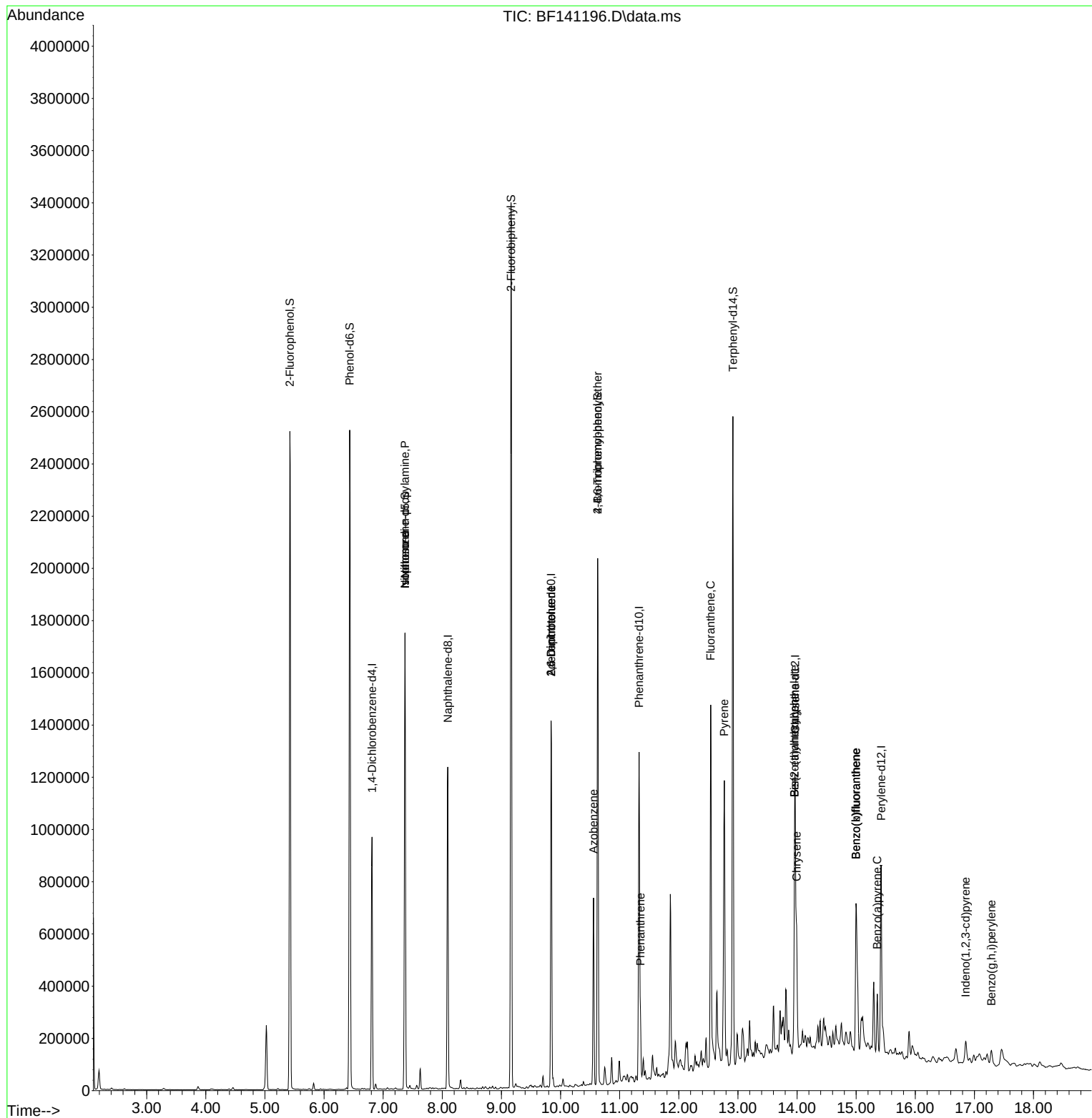
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.810	152	200999	20.000	ng	-0.01
21) Naphthalene-d8	8.092	136	789580	20.000	ng	-0.01
39) Acenaphthene-d10	9.839	164	418256	20.000	ng	-0.02
64) Phenanthrene-d10	11.328	188	620970	20.000	ng	-0.02
76) Chrysene-d12	13.969	240	384766	20.000	ng	-0.02
86) Perylene-d12	15.421	264	408019	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	991866	76.231	ng	0.00
7) Phenol-d6	6.434	99	1244524	75.510	ng	-0.01
23) Nitrobenzene-d5	7.369	82	801125	53.784	ng	-0.02
42) 2,4,6-Tribromophenol	10.628	330	357411	74.996	ng	-0.02
45) 2-Fluorobiphenyl	9.163	172	1491833	54.467	ng	-0.02
79) Terphenyl-d14	12.916	244	1183429	45.714	ng	-0.02
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.369	70	107443	11.067	ng	# 77
25) Isophorone	7.369	82	795435	31.248	ng	# 65
51) 2,6-Dinitrotoluene	9.839	165	54572	8.358	ng	# 27
57) 2,4-Dinitrotoluene	9.839	165	54572	6.485	ng	# 25
63) Azobenzene	10.557	77	176496	6.525	ng	# 1
67) 4-Bromophenyl-phenylether	10.628	248	21739	3.041	ng	# 1
71) Phenanthrene	11.351	178	133346	4.000	ng	98
75) Fluoranthene	12.539	202	756552	22.741	ng	99
78) Pyrene	12.769	202	608325	16.553	ng	100
81) Benzo(a)anthracene	13.957	228	168591	6.438	ng	93
83) Chrysene	13.992	228	284984	11.631	ng	98
84) Bis(2-ethylhexyl)phtha...	13.957	149	32577	2.216	ng	97
87) Indeno(1,2,3-cd)pyrene	16.851	276	61617	2.061	ng	96
88) Benzo(b)fluoranthene	14.998	252	476410	18.107	ng	99
89) Benzo(k)fluoranthene	14.998	252	476410	21.427	ng	99
90) Benzo(a)pyrene	15.357	252	135569	6.245	ng	99
92) Benzo(g,h,i)perylene	17.286	276	51229	2.037	ng	95

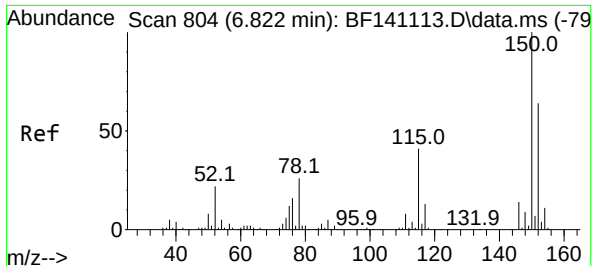
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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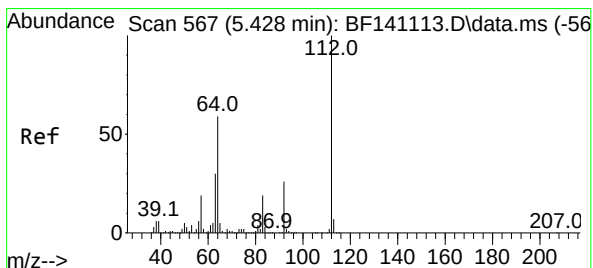
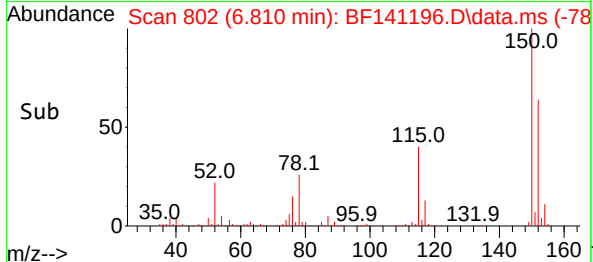
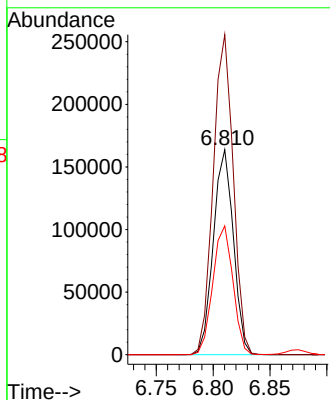
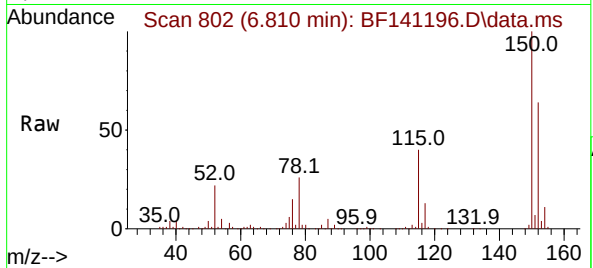




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 804
Delta R.T. -0.012 min
Lab File: BF141196.D
Acq: 17 Jan 2025 16:48

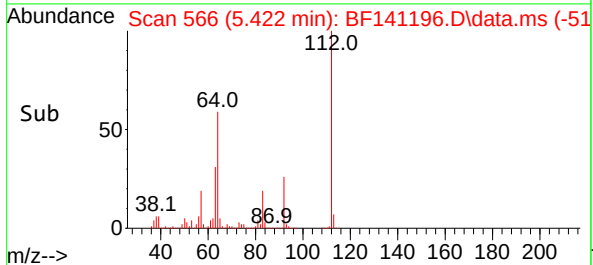
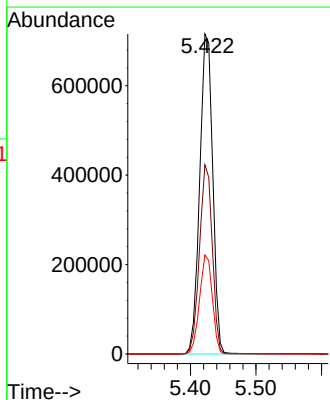
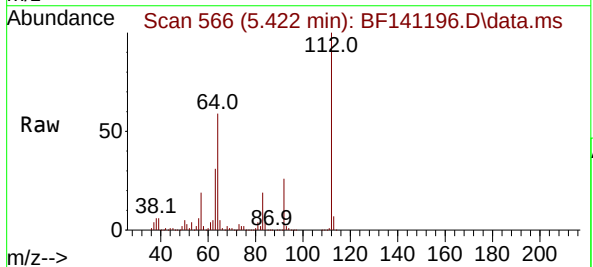
Instrument :
BNA_F
ClientSampleId :
VNJ-241

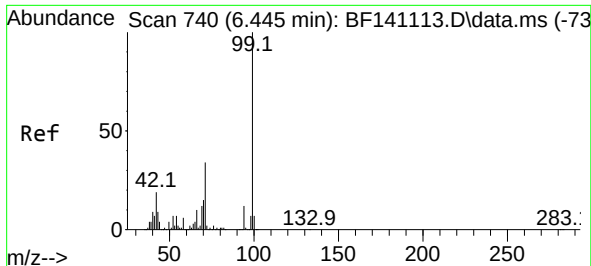
Tgt Ion:152 Resp: 200999
Ion Ratio Lower Upper
152 100
150 156.1 125.8 188.8
115 62.8 51.4 77.2



#5
2-Fluorophenol
Concen: 76.231 ng
RT: 5.422 min Scan# 566
Delta R.T. -0.006 min
Lab File: BF141196.D
Acq: 17 Jan 2025 16:48

Tgt Ion:112 Resp: 991866
Ion Ratio Lower Upper
112 100
64 59.1 47.3 70.9
63 31.0 24.2 36.2





#7
Phenol-d6
Concen: 75.510 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141196.D
Acq: 17 Jan 2025 16:48

Instrument :

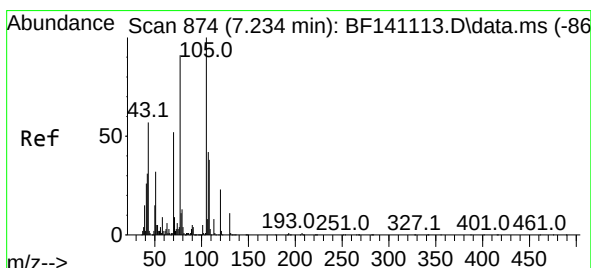
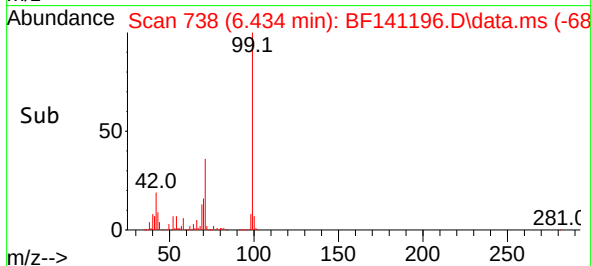
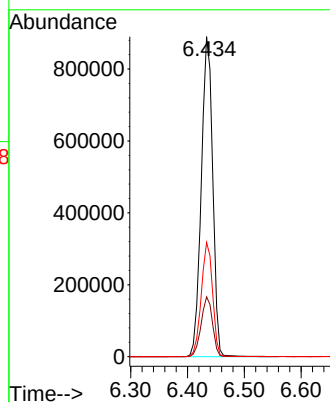
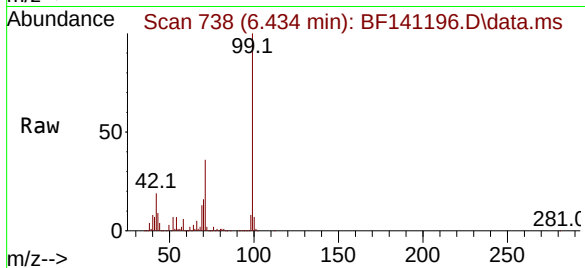
BNA_F

ClientSampleId :

VNJ-241

Tgt Ion: 99 Resp: 1244524

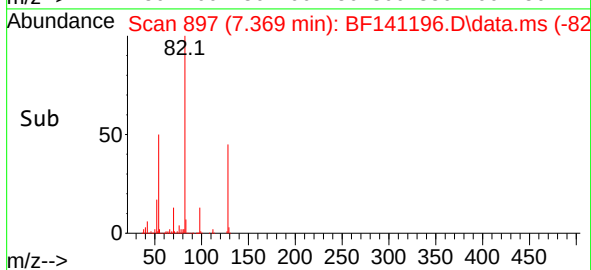
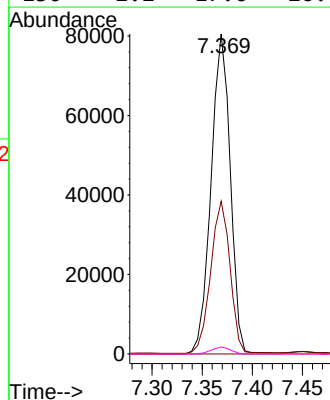
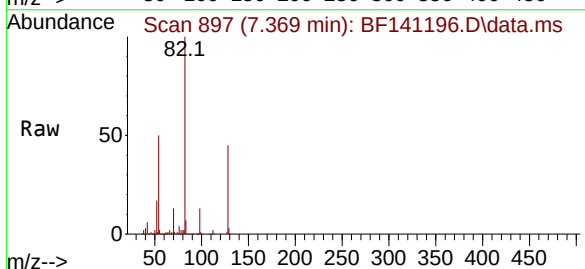
Ion	Ratio	Lower	Upper
99	100		
42	18.7	15.0	22.4
71	35.7	27.6	41.4

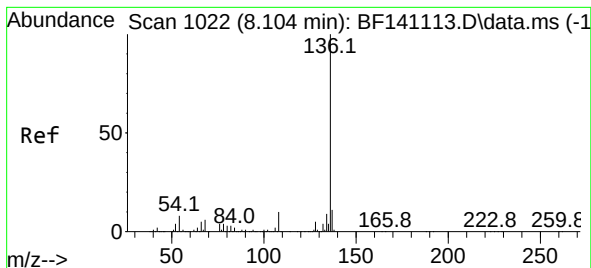


#19
n-Nitroso-di-n-propylamine
Concen: 11.067 ng
RT: 7.369 min Scan# 897
Delta R.T. 0.135 min
Lab File: BF141196.D
Acq: 17 Jan 2025 16:48

Tgt Ion: 70 Resp: 107443

Ion	Ratio	Lower	Upper
70	100		
42	47.7	47.8	71.6#
101	0.0	7.9	11.9#
130	2.2	17.6	26.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.092 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141196.D

Acq: 17 Jan 2025 16:48

Instrument :

BNA_F

ClientSampleId :

VNJ-241

Tgt Ion:136 Resp: 789580

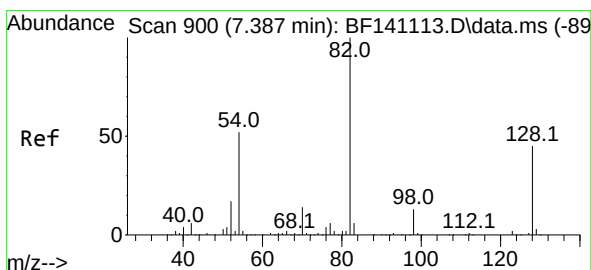
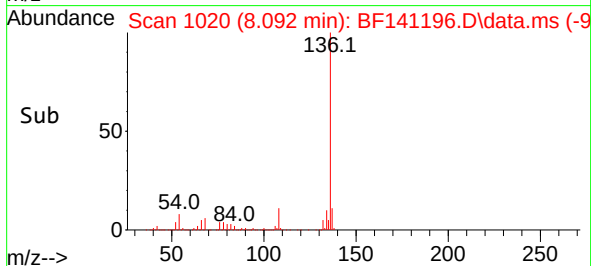
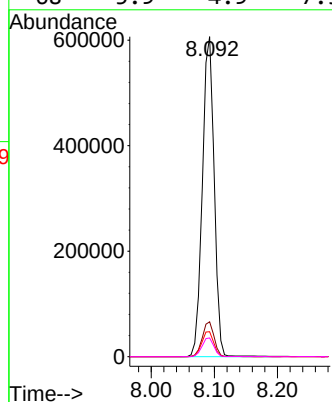
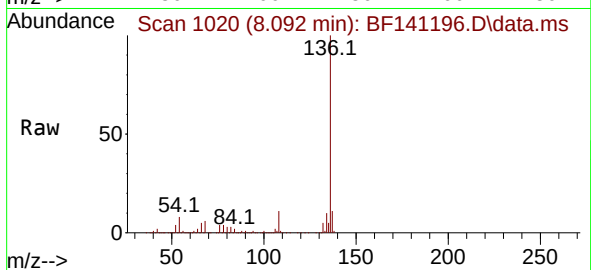
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 7.8 6.3 9.5

68 5.9 4.9 7.3



#23

Nitrobenzene-d5

Concen: 53.784 ng

RT: 7.369 min Scan# 897

Delta R.T. -0.018 min

Lab File: BF141196.D

Acq: 17 Jan 2025 16:48

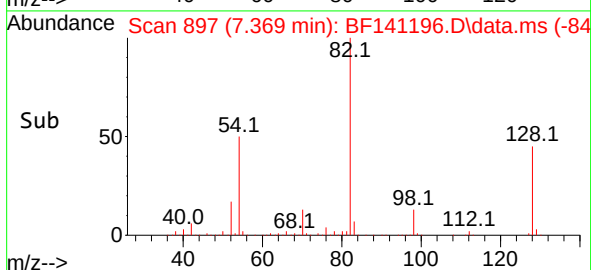
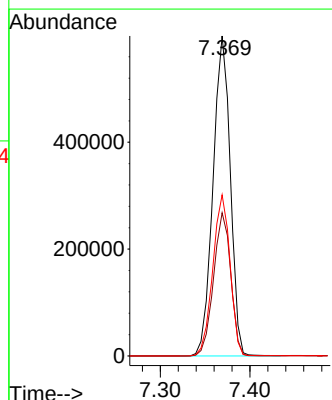
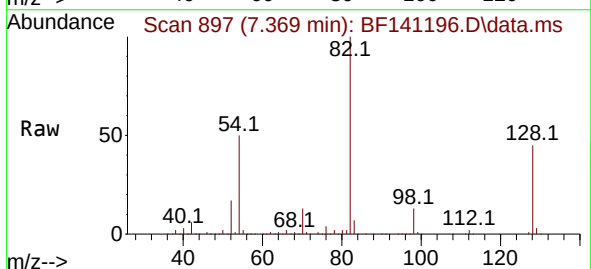
Tgt Ion: 82 Resp: 801125

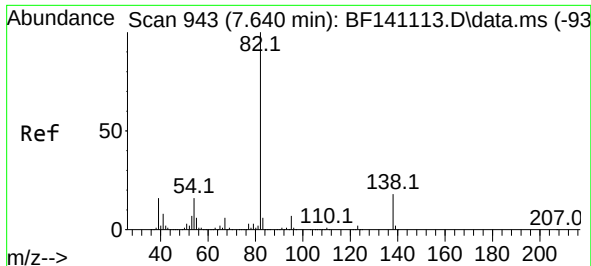
Ion Ratio Lower Upper

82 100

128 44.8 36.1 54.1

54 50.3 41.0 61.4

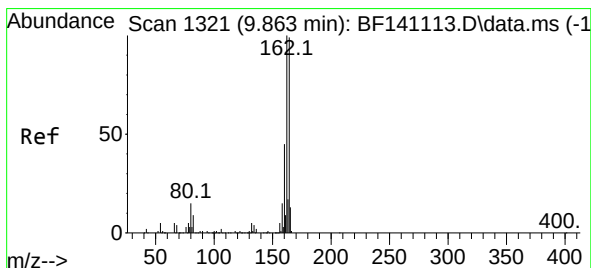
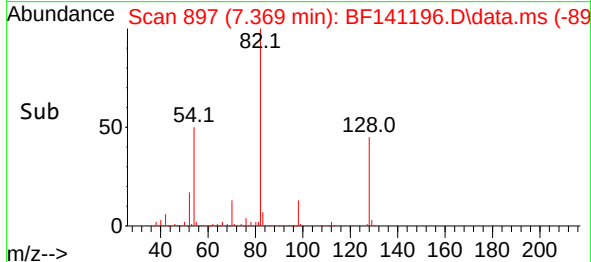
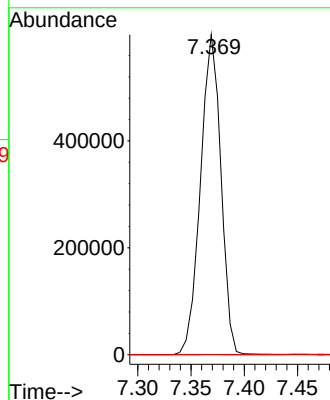
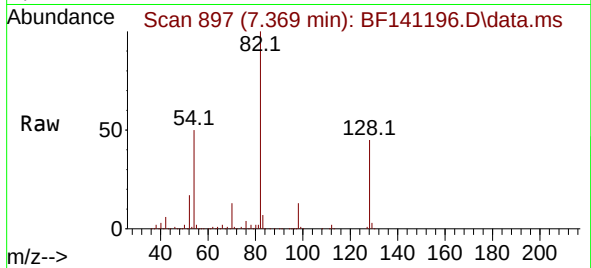




#25
Isophorone
Concen: 31.248 ng
RT: 7.369 min Scan# 897
Delta R.T. -0.271 min
Lab File: BF141196.D
Acq: 17 Jan 2025 16:48

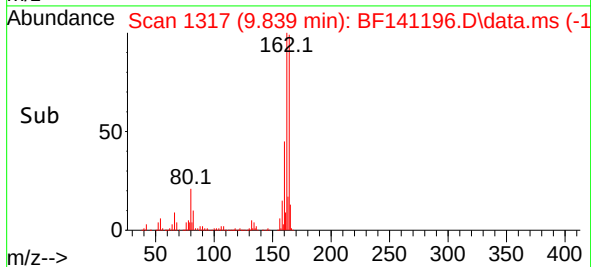
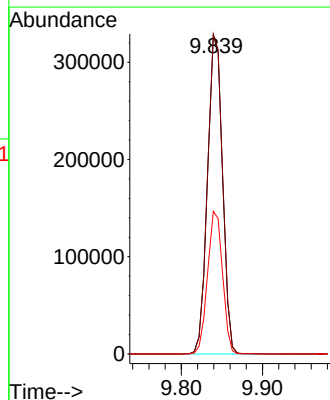
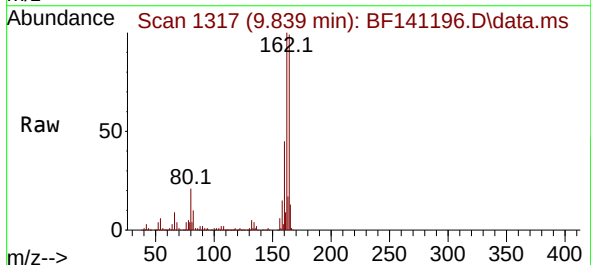
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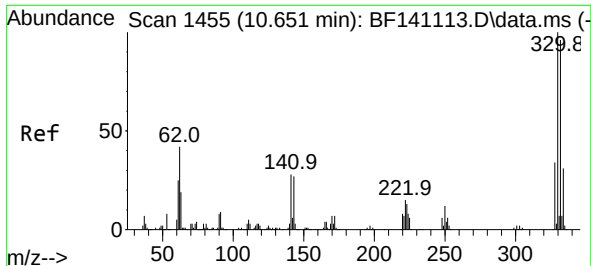
Tgt Ion: 82 Resp: 795435
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 14.2 21.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1317
Delta R.T. -0.024 min
Lab File: BF141196.D
Acq: 17 Jan 2025 16:48

Tgt Ion:164 Resp: 418256
Ion Ratio Lower Upper
164 100
162 100.6 81.0 121.4
160 44.9 36.1 54.1





#42

2,4,6-Tribromophenol

Concen: 74.996 ng

RT: 10.628 min Scan# 1451

Delta R.T. -0.024 min

Lab File: BF141196.D

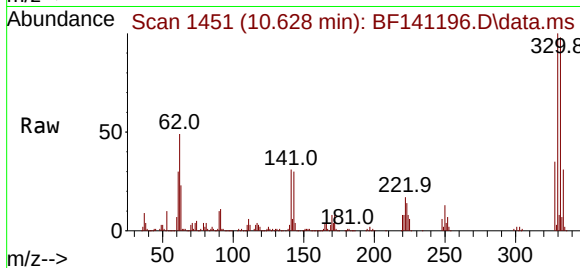
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Instrument :

BNA_F

ClientSampleId :

VNJ-241



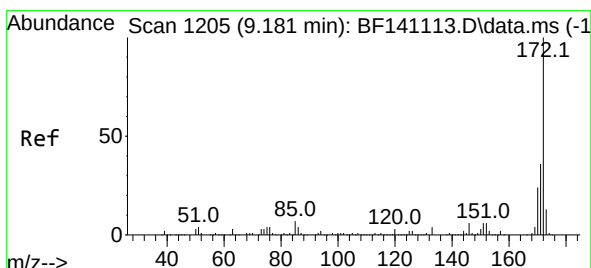
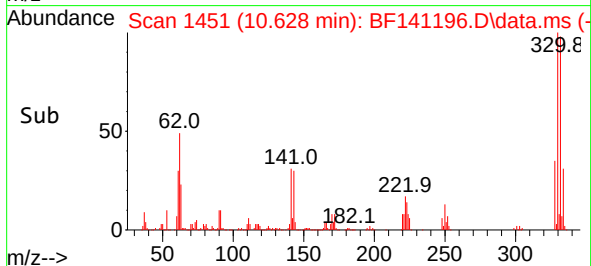
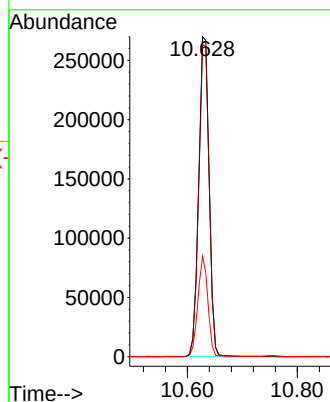
Tgt Ion:330 Resp: 357411

Ion Ratio Lower Upper

330 100

332 97.6 76.9 115.3

141 29.8 25.2 37.8



#45

2-Fluorobiphenyl

Concen: 54.467 ng

RT: 9.163 min Scan# 1202

Delta R.T. -0.018 min

Lab File: BF141196.D

Acq: 17 Jan 2025 16:48

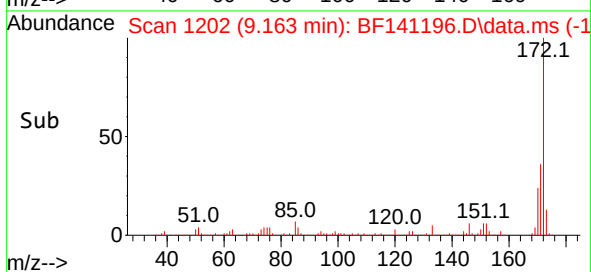
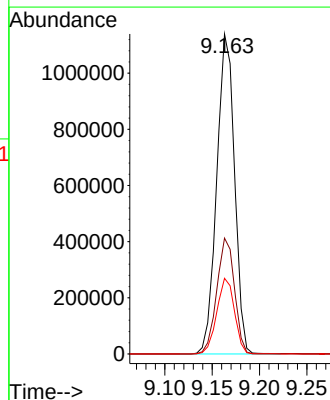
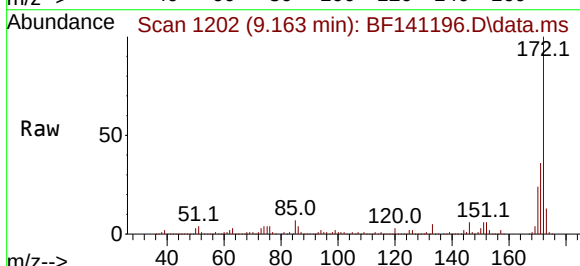
Tgt Ion:172 Resp: 1491833

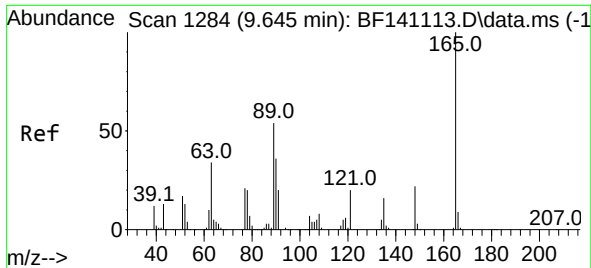
Ion Ratio Lower Upper

172 100

171 36.2 28.7 43.1

170 23.6 19.0 28.6

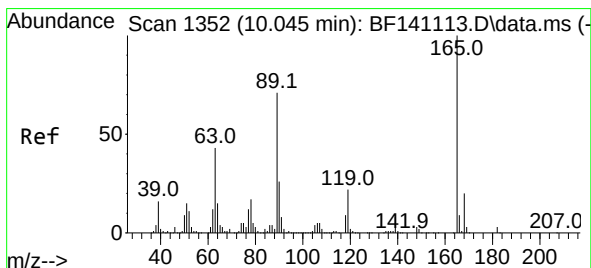
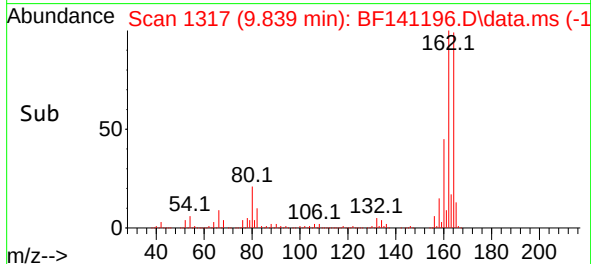
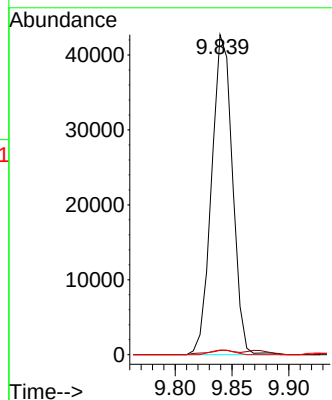
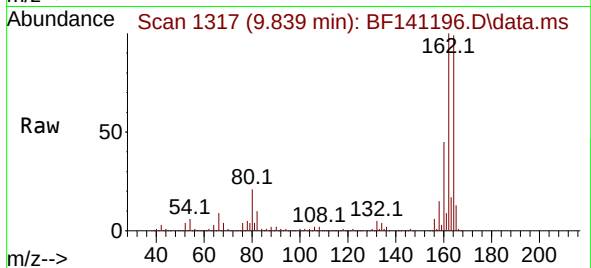




#51
2,6-Dinitrotoluene
Concen: 8.358 ng
RT: 9.839 min Scan# 11
Delta R.T. 0.194 min
Lab File: BF141196.D
Acq: 17 Jan 2025 16:48

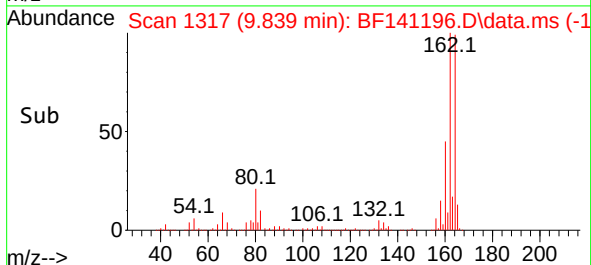
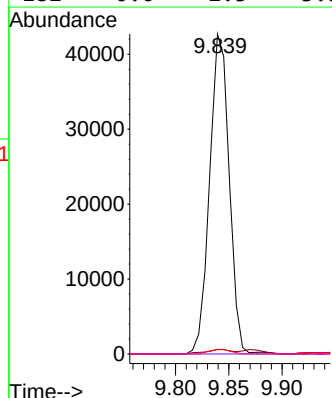
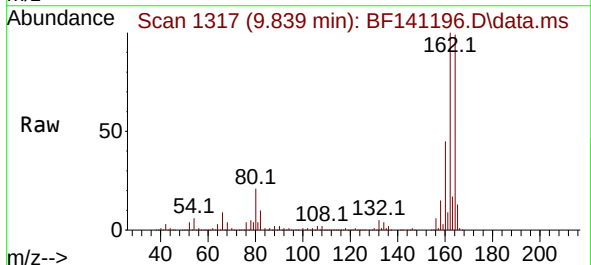
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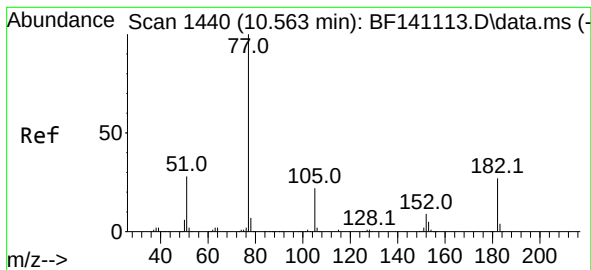
Tgt Ion:165 Resp: 54572
Ion Ratio Lower Upper
165 100
63 1.4 42.3 63.5#
89 1.5 43.1 64.7#



#57
2,4-Dinitrotoluene
Concen: 6.485 ng
RT: 9.839 min Scan# 1317
Delta R.T. -0.206 min
Lab File: BF141196.D
Acq: 17 Jan 2025 16:48

Tgt Ion:165 Resp: 54572
Ion Ratio Lower Upper
165 100
63 1.4 35.0 52.4#
89 1.5 56.7 85.1#
182 0.0 2.3 3.5#





#63

Azobenzene

Concen: 6.525 ng

RT: 10.557 min Scan# 14

Delta R.T. -0.006 min

Lab File: BF141196.D

Acq: 17 Jan 2025 16:48

Instrument :

BNA_F

ClientSampleId :

VNJ-241

Tgt Ion: 77 Resp: 176496

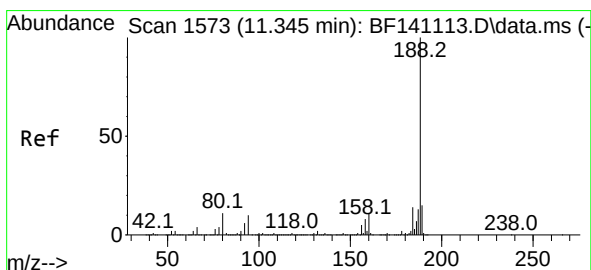
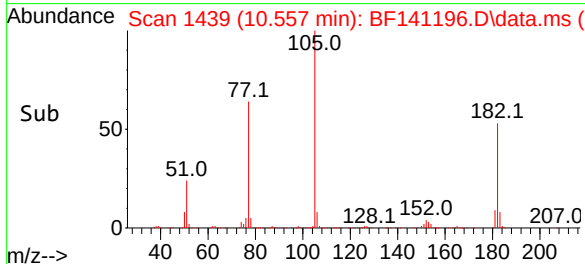
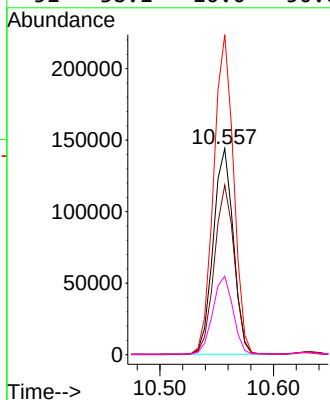
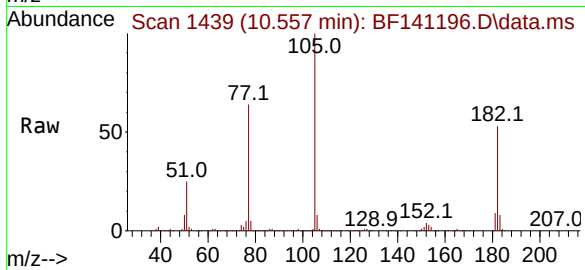
Ion Ratio Lower Upper

77 100

182 82.3 6.1 46.1#

105 155.2 2.1 42.1#

51 38.1 10.0 50.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.328 min Scan# 1570

Delta R.T. -0.018 min

Lab File: BF141196.D

Acq: 17 Jan 2025 16:48

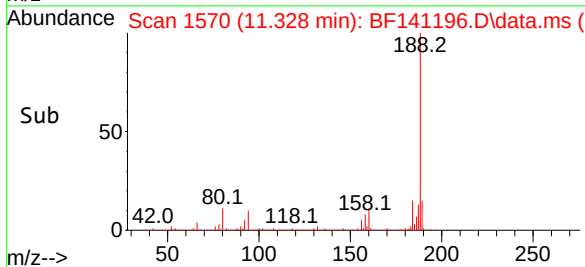
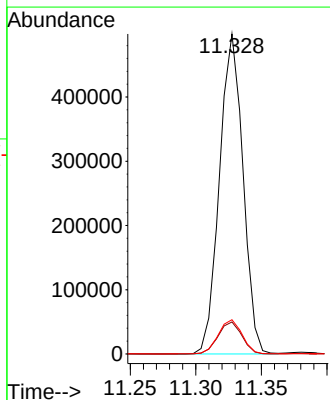
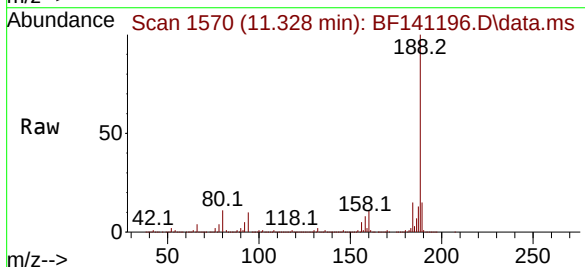
Tgt Ion:188 Resp: 620970

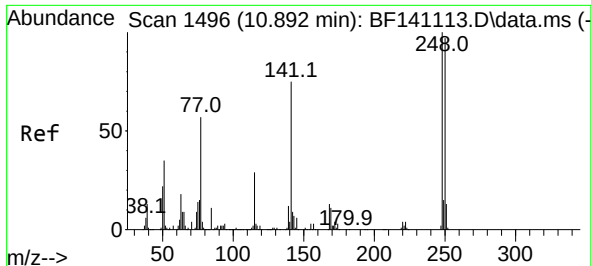
Ion Ratio Lower Upper

188 100

94 10.0 8.3 12.5

80 10.7 9.0 13.4

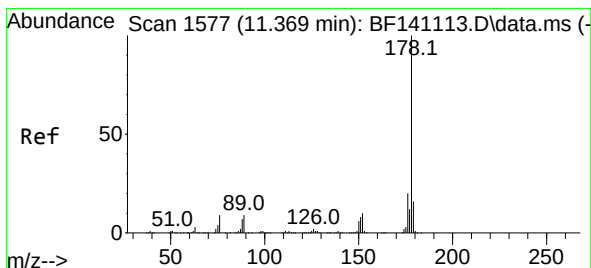
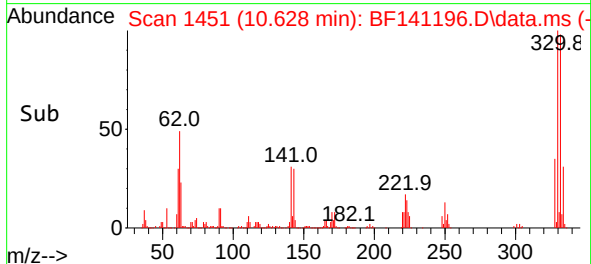
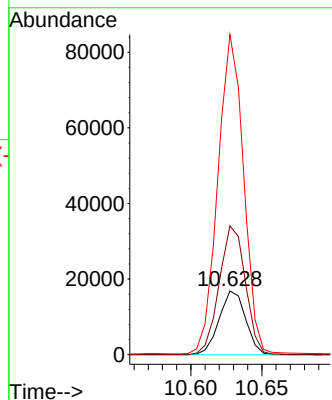
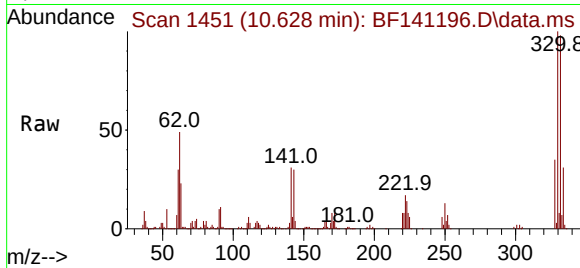




#67
4-Bromophenyl-phenylether
Concen: 3.041 ng
RT: 10.628 min Scan# 1496
Delta R.T. -0.265 min
Lab File: BF141196.D
Acq: 17 Jan 2025 16:48

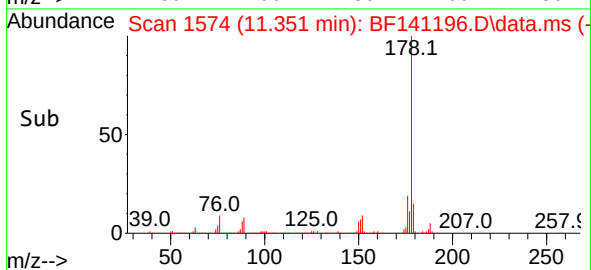
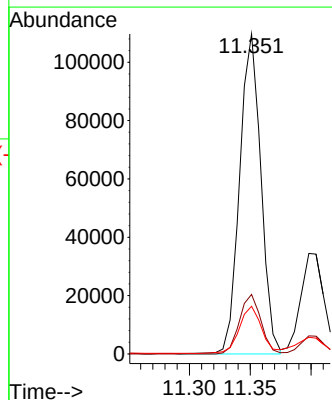
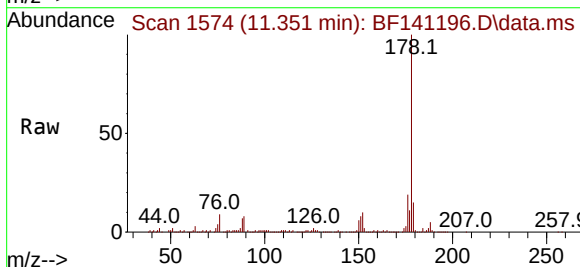
Instrument :
BNA_F
ClientSampleId :
VNJ-241

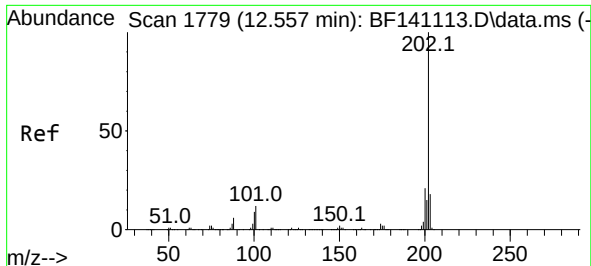
Tgt Ion:248 Resp: 21739
Ion Ratio Lower Upper
248 100
250 202.2 77.9 116.9#
141 502.1 59.9 89.9#



#71
Phenanthrene
Concen: 4.000 ng
RT: 11.351 min Scan# 1574
Delta R.T. -0.018 min
Lab File: BF141196.D
Acq: 17 Jan 2025 16:48

Tgt Ion:178 Resp: 133346
Ion Ratio Lower Upper
178 100
176 18.6 15.7 23.5
179 14.9 12.6 19.0

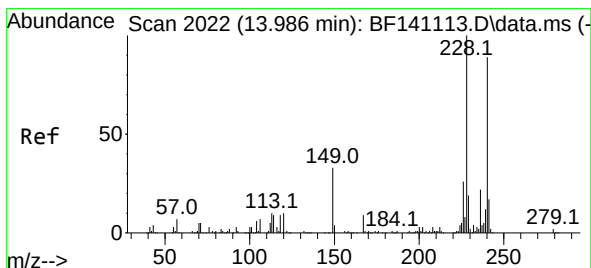
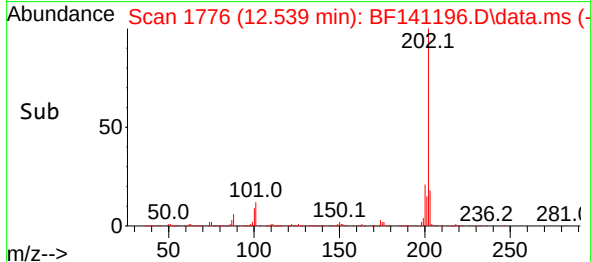
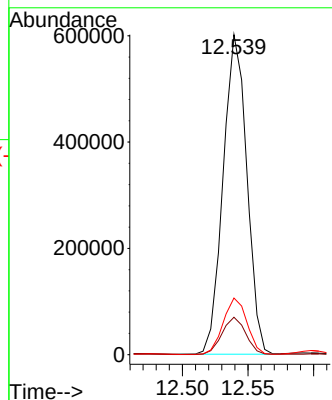
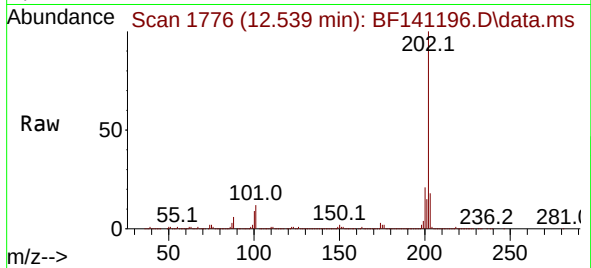




#75
Fluoranthene
Concen: 22.741 ng
RT: 12.539 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141196.D
Acq: 17 Jan 2025 16:48

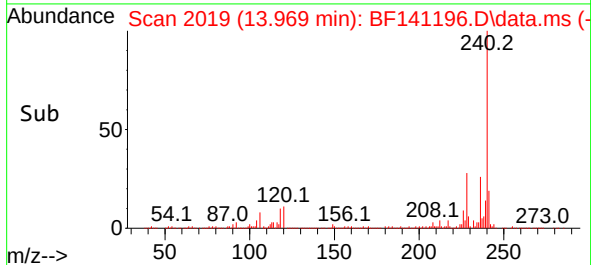
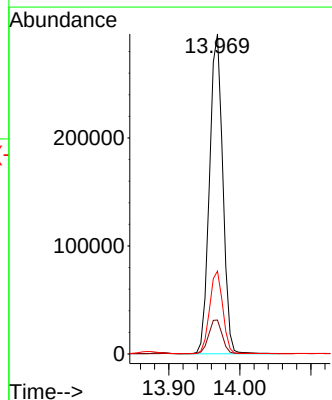
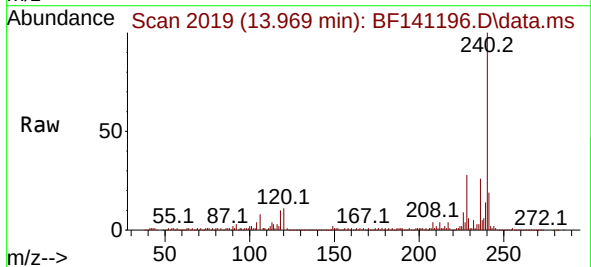
Instrument :
BNA_F
ClientSampleId :
VNJ-241

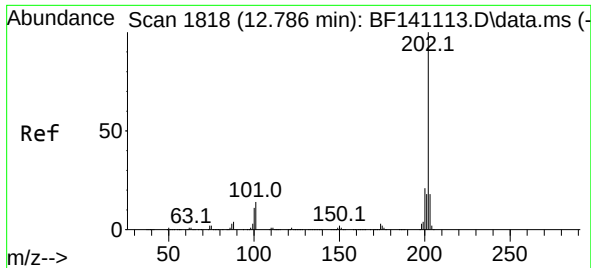
Tgt Ion:202 Resp: 756552
Ion Ratio Lower Upper
202 100
101 11.7 0.0 32.3
203 17.7 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2019
Delta R.T. -0.018 min
Lab File: BF141196.D
Acq: 17 Jan 2025 16:48

Tgt Ion:240 Resp: 384766
Ion Ratio Lower Upper
240 100
120 10.6 9.1 13.7
236 25.9 19.8 29.6





#78

Pyrene

Concen: 16.553 ng

RT: 12.769 min Scan# 1815

Delta R.T. -0.018 min

Lab File: BF141196.D

Acq: 17 Jan 2025 16:48

Instrument :

BNA_F

ClientSampleId :

VNJ-241

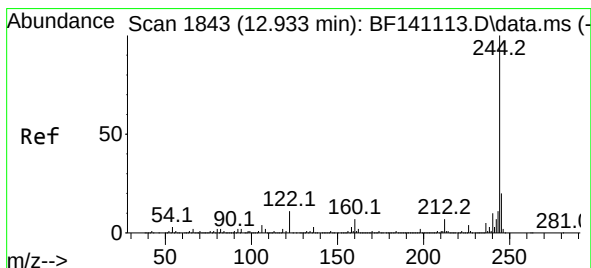
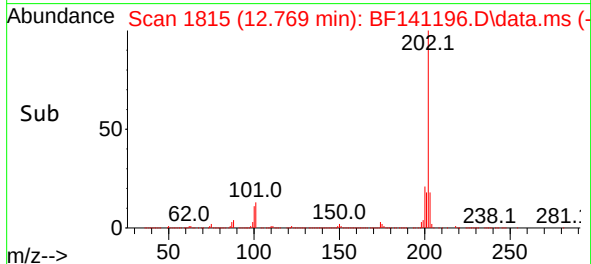
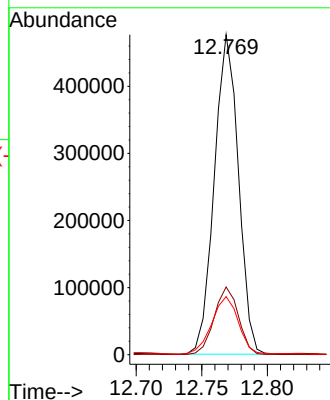
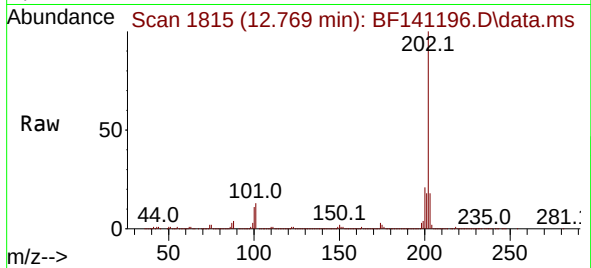
Tgt Ion:202 Resp: 608325

Ion Ratio Lower Upper

202 100

200 21.2 16.8 25.2

203 18.2 14.3 21.5



#79

Terphenyl-d14

Concen: 45.714 ng

RT: 12.916 min Scan# 1840

Delta R.T. -0.018 min

Lab File: BF141196.D

Acq: 17 Jan 2025 16:48

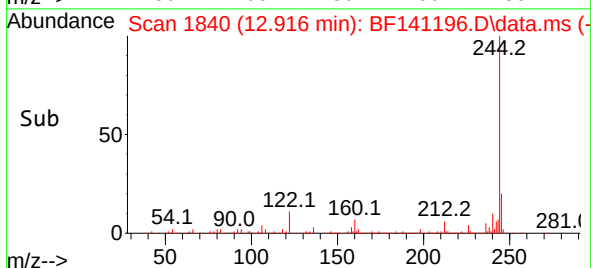
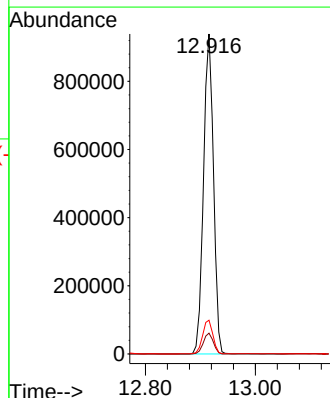
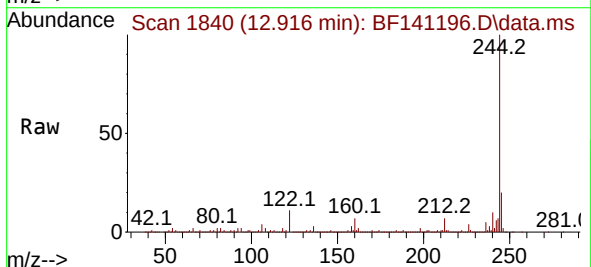
Tgt Ion:244 Resp: 1183429

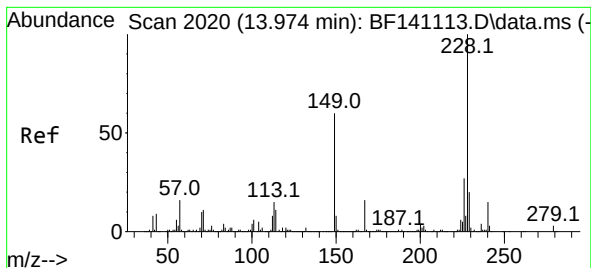
Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.2

122 10.6 8.8 13.2





#81

Benzo(a)anthracene

Concen: 6.438 ng

RT: 13.957 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF141196.D

Acq: 17 Jan 2025 16:48

Instrument :

BNA_F

ClientSampleId :

VNJ-241

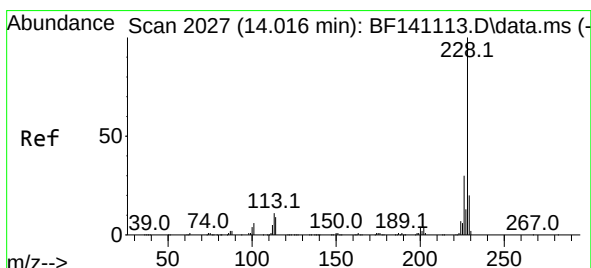
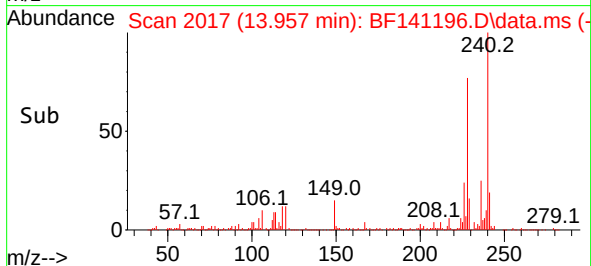
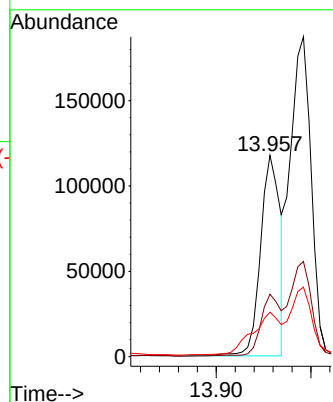
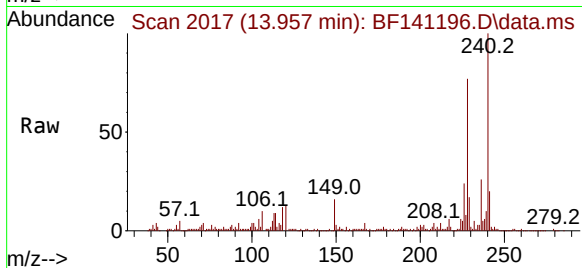
Tgt Ion:228 Resp: 168591

Ion Ratio Lower Upper

228 100

226 31.0 21.7 32.5

229 22.1 15.7 23.5



#83

Chrysene

Concen: 11.631 ng

RT: 13.992 min Scan# 2023

Delta R.T. -0.023 min

Lab File: BF141196.D

Acq: 17 Jan 2025 16:48

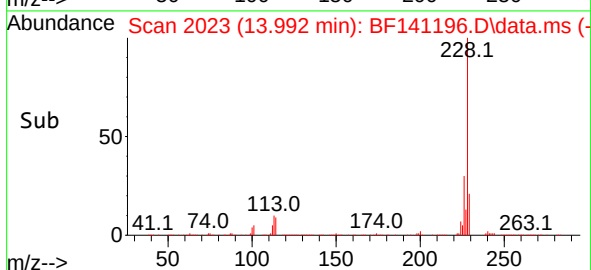
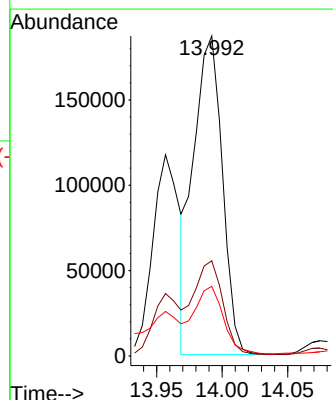
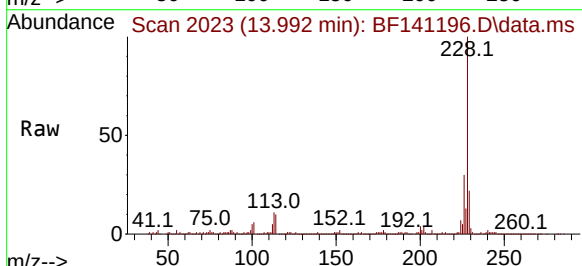
Tgt Ion:228 Resp: 284984

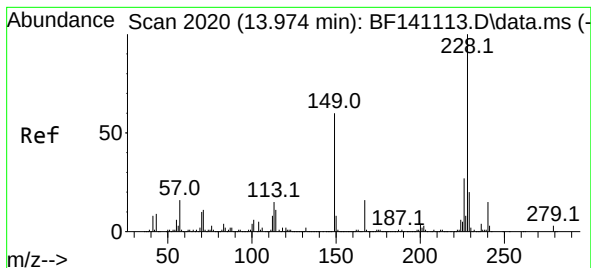
Ion Ratio Lower Upper

228 100

226 29.8 23.8 35.8

229 21.7 15.8 23.8

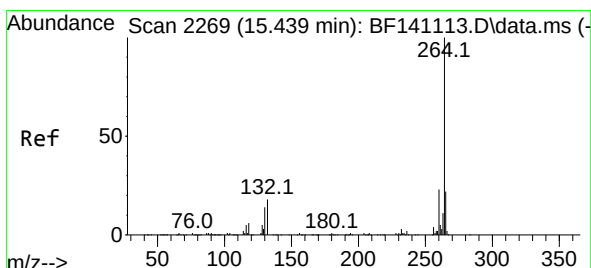
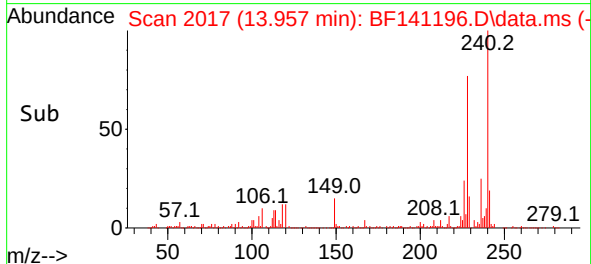
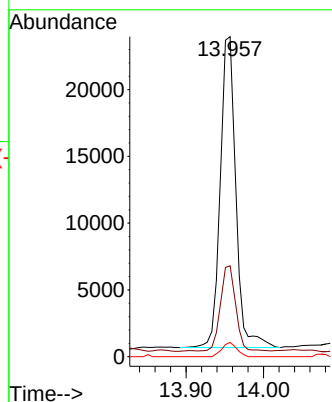
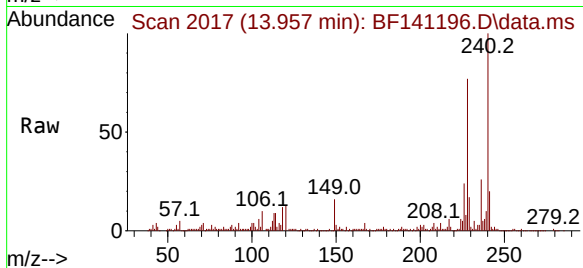




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.216 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.018 min
Lab File: BF141196.D
Acq: 17 Jan 2025 16:48

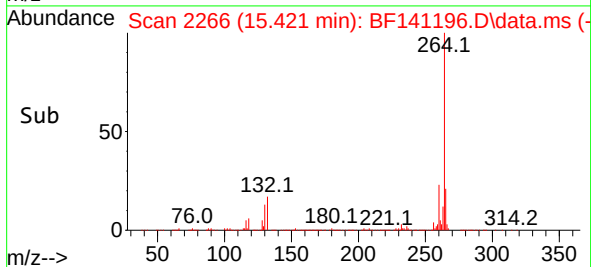
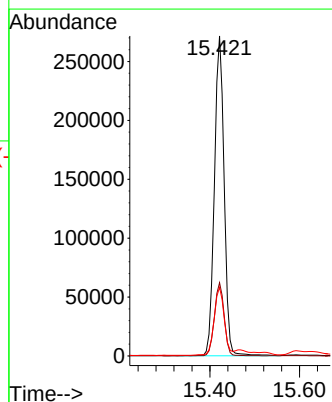
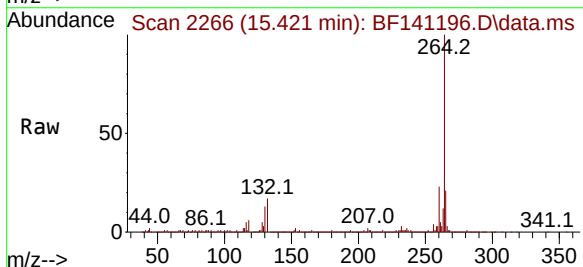
Instrument :
BNA_F
ClientSampleId :
VNJ-241

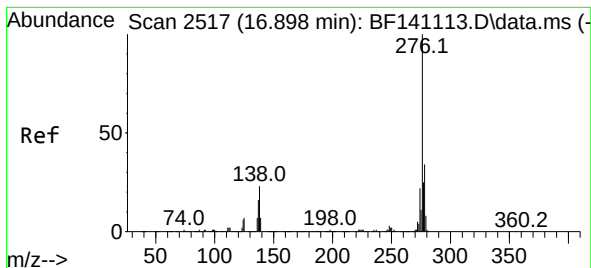
Tgt Ion:149 Resp: 32577
Ion Ratio Lower Upper
149 100
167 28.4 21.4 32.2
279 4.4 3.4 5.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF141196.D
Acq: 17 Jan 2025 16:48

Tgt Ion:264 Resp: 408019
Ion Ratio Lower Upper
264 100
260 22.9 18.6 28.0
265 21.4 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.061 ng

RT: 16.851 min Scan# 2194

Delta R.T. -0.047 min

Lab File: BF141196.D

Acq: 17 Jan 2025 16:48

Instrument :

BNA_F

ClientSampleId :

VNJ-241

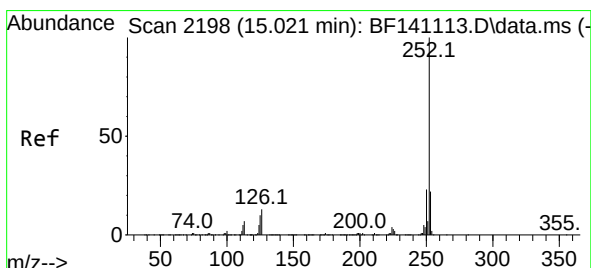
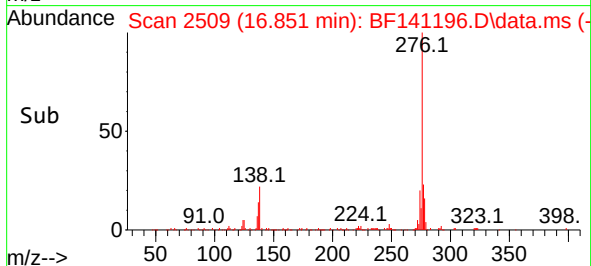
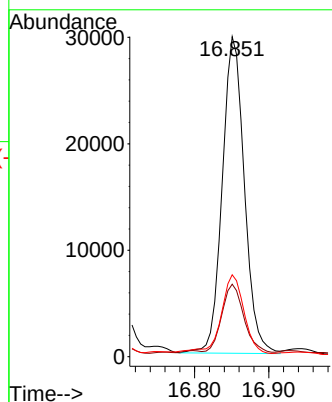
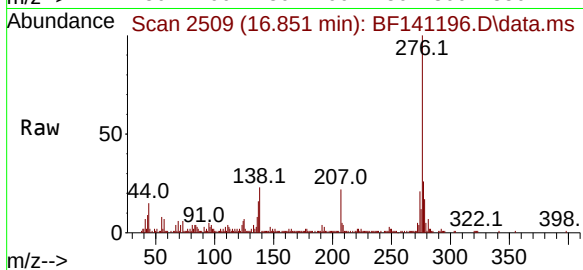
Tgt Ion:276 Resp: 61617

Ion Ratio Lower Upper

276 100

138 21.5 20.7 31.1

277 25.8 20.6 30.8



#88

Benzo(b)fluoranthene

Concen: 18.107 ng

RT: 14.998 min Scan# 2194

Delta R.T. -0.024 min

Lab File: BF141196.D

Acq: 17 Jan 2025 16:48

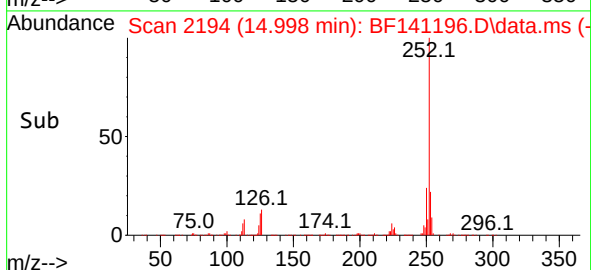
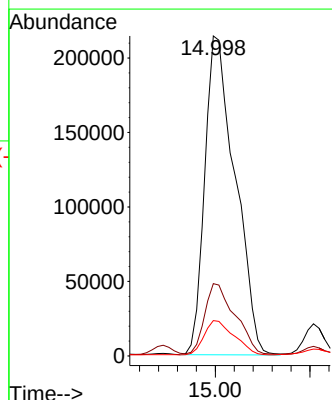
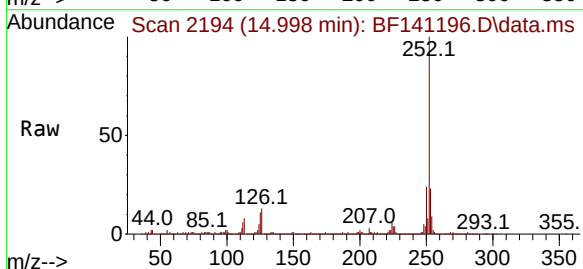
Tgt Ion:252 Resp: 476410

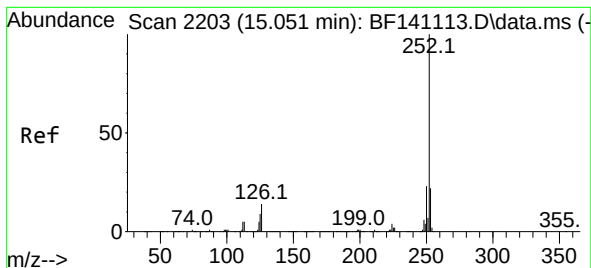
Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.6

125 11.1 8.1 12.1





#89

Benzo(k)fluoranthene

Concen: 21.427 ng

RT: 14.998 min Scan# 2194

Delta R.T. -0.053 min

Lab File: BF141196.D

Acq: 17 Jan 2025 16:48

Instrument :

BNA_F

ClientSampleId :

VNJ-241

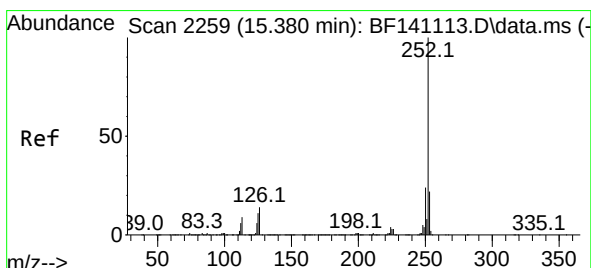
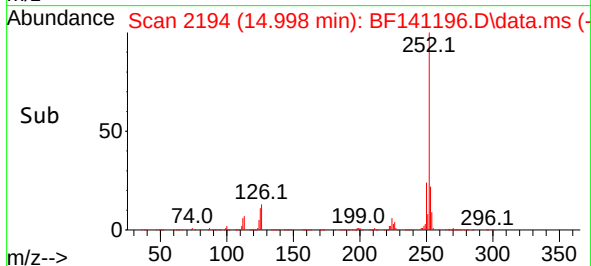
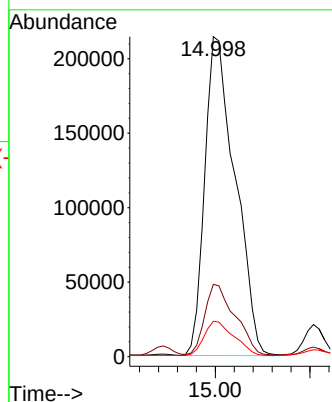
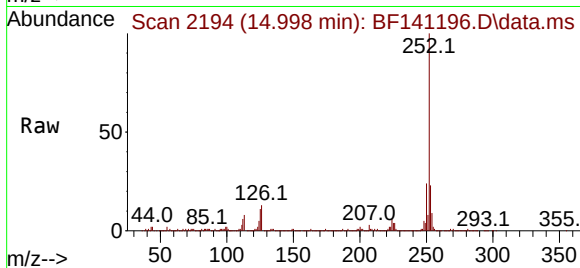
Tgt Ion:252 Resp: 476410

Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.8

125 11.1 7.9 11.9



#90

Benzo(a)pyrene

Concen: 6.245 ng

RT: 15.357 min Scan# 2255

Delta R.T. -0.023 min

Lab File: BF141196.D

Acq: 17 Jan 2025 16:48

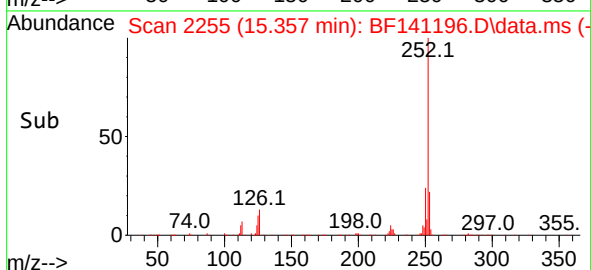
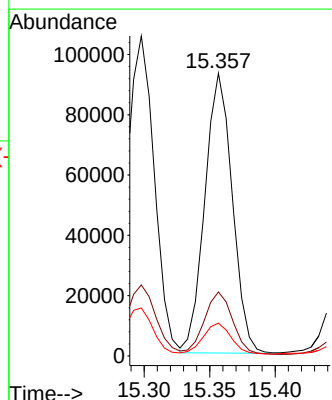
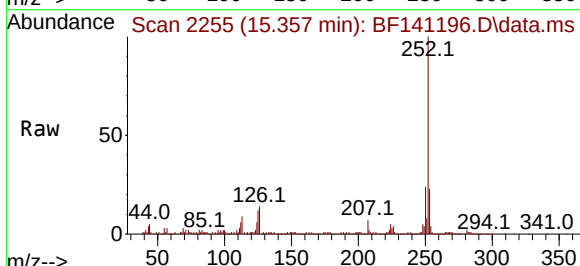
Tgt Ion:252 Resp: 135569

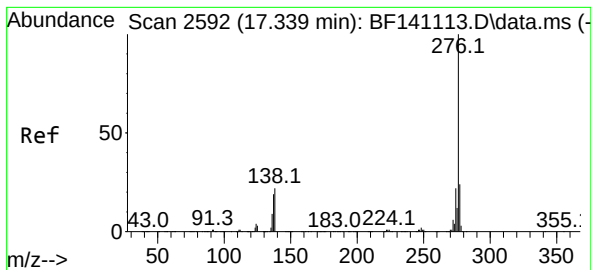
Ion Ratio Lower Upper

252 100

253 22.7 17.7 26.5

125 11.6 9.1 13.7





#92

Benzo(g,h,i)perylene

Concen: 2.037 ng

RT: 17.286 min Scan# 2

Delta R.T. -0.053 min

Lab File: BF141196.D

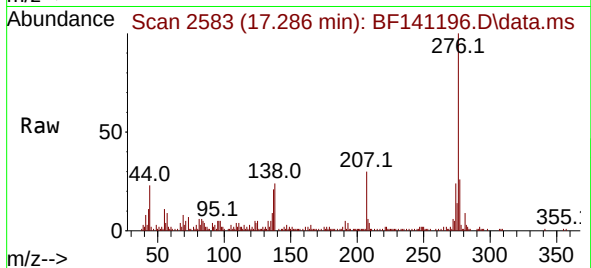
Acq: 17 Jan 2025 16:48

Instrument :

BNA_F

ClientSampleId :

VNJ-241



Tgt Ion:276 Resp: 51229

Ion Ratio Lower Upper

276 100

277 26.4 19.0 28.4

138 23.9 17.4 26.2

