

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052225\
 Data File : BF142516.D
 Acq On : 22 May 2025 18:00
 Operator : RC/JU
 Sample : Q2092-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-202

Quant Time: May 23 01:22:54 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 20 16:26:47 2025
 Response via : Initial Calibration

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

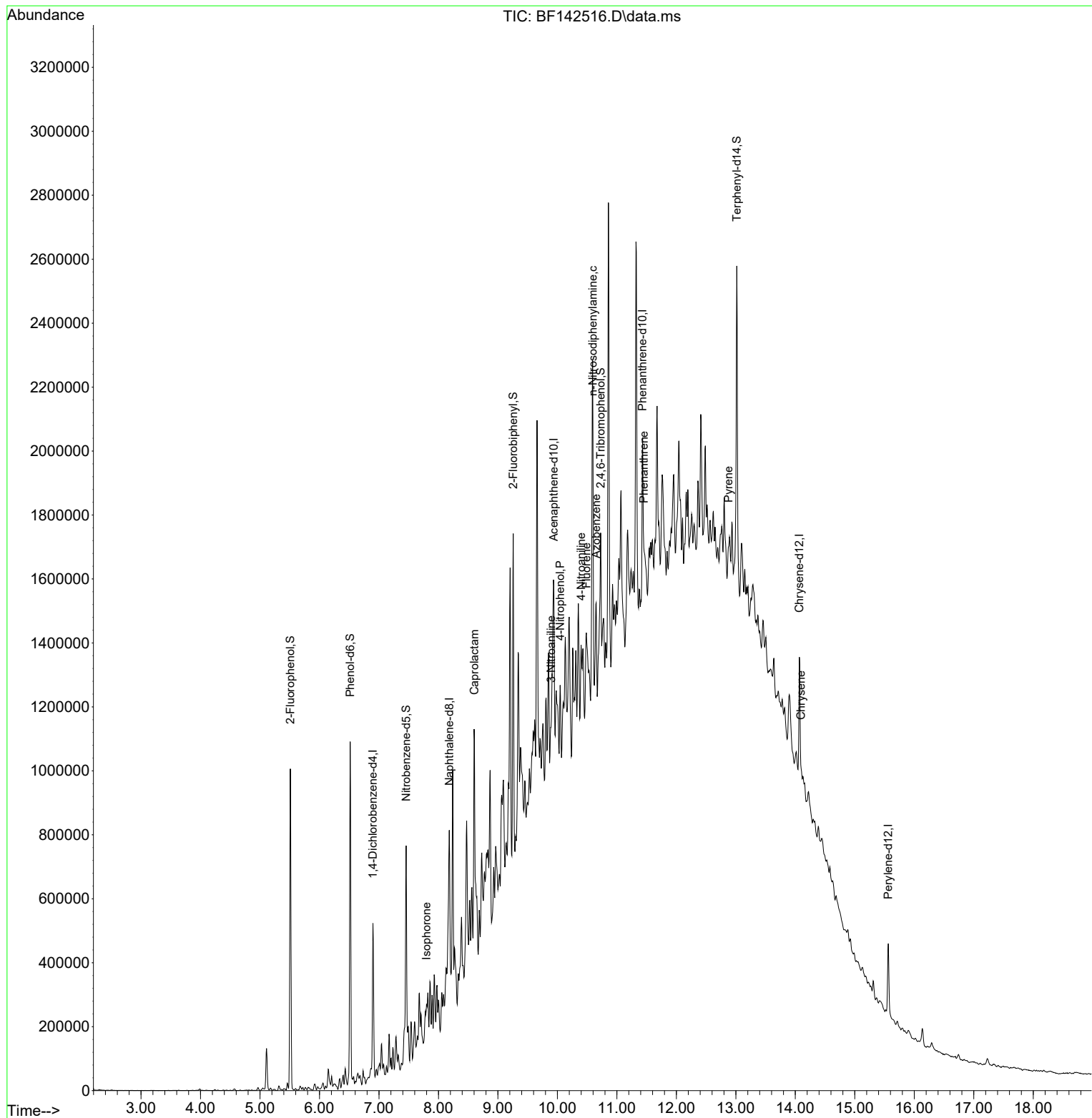
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	87220	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	275101	20.000	ng	# 0.00
39) Acenaphthene-d10	9.939	164	112715	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	196778	20.000	ng	# 0.00
76) Chrysene-d12	14.068	240	166183	20.000	ng	# 0.00
86) Perylene-d12	15.562	264	134396	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	385242	74.414	ng	0.00
7) Phenol-d6	6.516	99	480986	77.181	ng	-0.02
23) Nitrobenzene-d5	7.457	82	268739	53.268	ng	-0.02
42) 2,4,6-Tribromophenol	10.727	330	82194	65.703	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	448101	53.346	ng	-0.01
79) Terphenyl-d14	13.016	244	484292	39.824	ng	0.00
Target Compounds						
						Qvalue
25) Isophorone	7.798	82	28258	3.350	ng	# 43
35) Caprolactam	8.604	113	20495	18.714	ng	# 1
53) 3-Nitroaniline	9.892	138	4173	2.380	ng	# 31
56) 4-Nitrophenol	10.045	139	4182	3.233	ng	# 1
58) Fluorene	10.486	166	14830	2.002	ng	# 62
62) 4-Nitroaniline	10.398	138	5613	3.530	ng	92
63) Azobenzene	10.651	77	43929	6.733	ng	# 1
66) n-Nitrosodiphenylamine	10.598	169	65801	9.774	ng	# 47
71) Phenanthrene	11.451	178	40036	3.807	ng	# 66
78) Pyrene	12.874	202	38477	2.482	ng	# 73
83) Chrysene	14.092	228	20018	2.008	ng	# 51

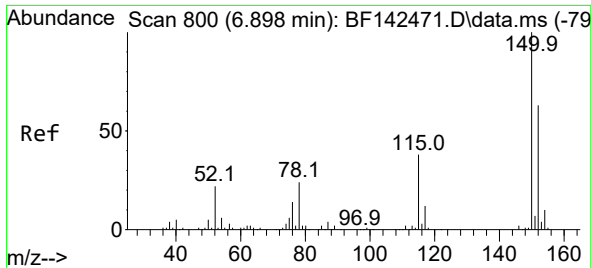
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052225\
Data File : BF142516.D
Acq On : 22 May 2025 18:00
Operator : RC/JU
Sample : Q2092-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-202

Quant Time: May 23 01:22:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

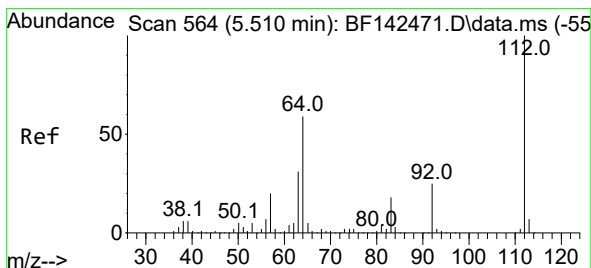
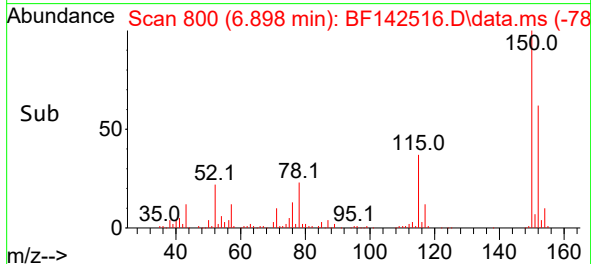
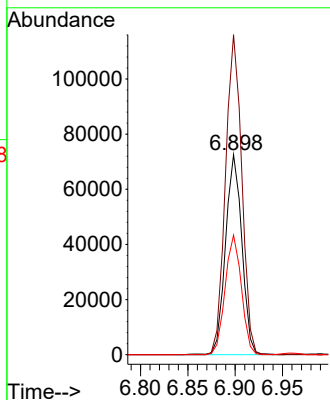
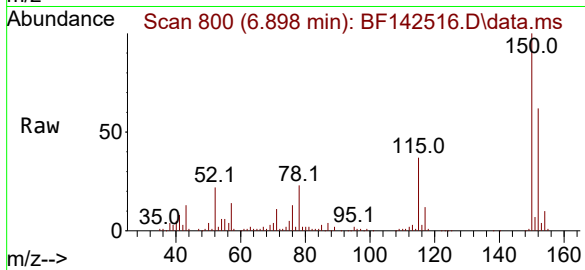




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF142516.D
Acq: 22 May 2025 18:00

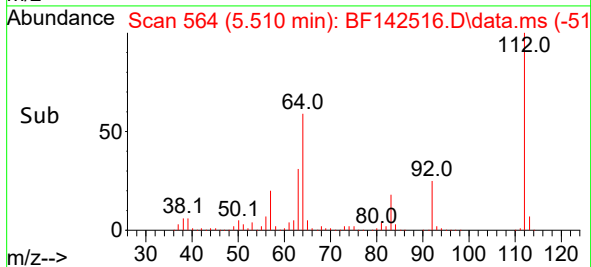
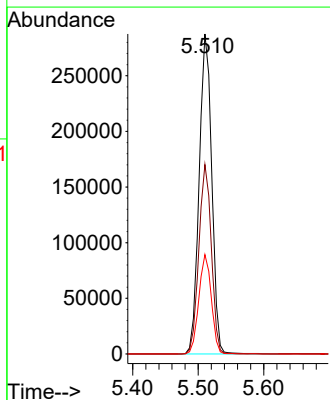
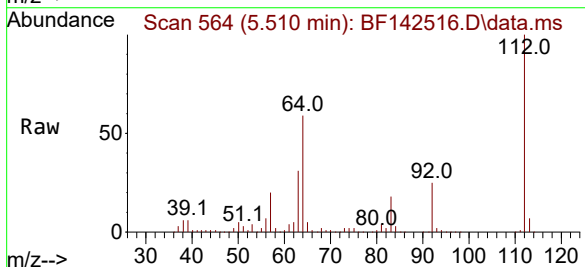
Instrument :
BNA_F
ClientSampleId :
VNJ-202

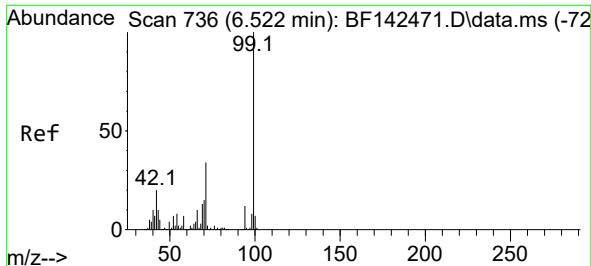
Tgt Ion:152 Resp: 87220
Ion Ratio Lower Upper
152 100
150 160.0 128.2 192.4
115 59.8 48.3 72.5



#5
2-Fluorophenol
Concen: 74.414 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142516.D
Acq: 22 May 2025 18:00

Tgt Ion:112 Resp: 385242
Ion Ratio Lower Upper
112 100
64 59.2 47.5 71.3
63 31.0 24.9 37.3

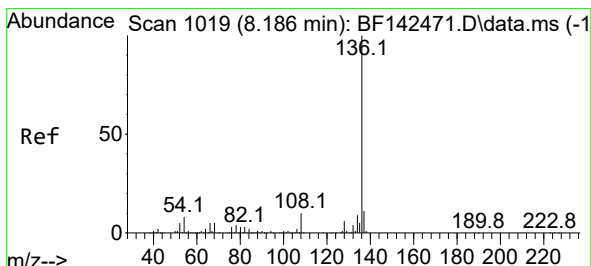
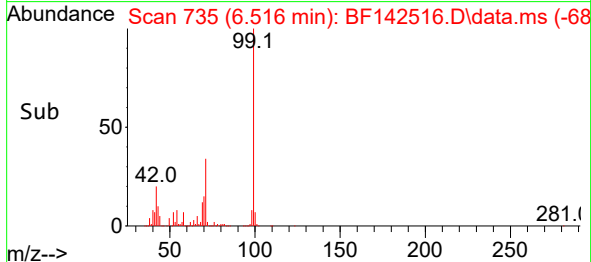
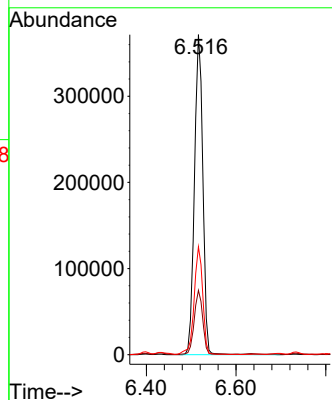
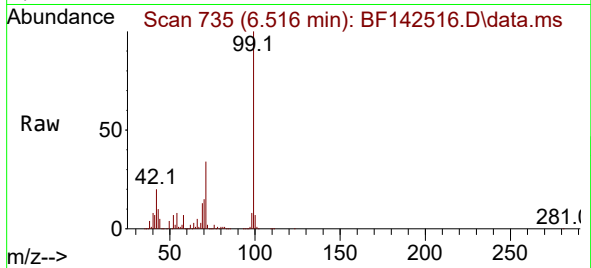




#7
Phenol-d6
Concen: 77.181 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF142516.D
Acq: 22 May 2025 18:00

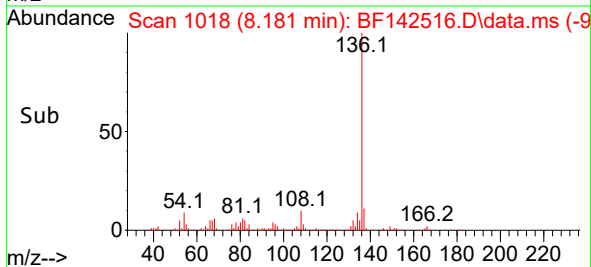
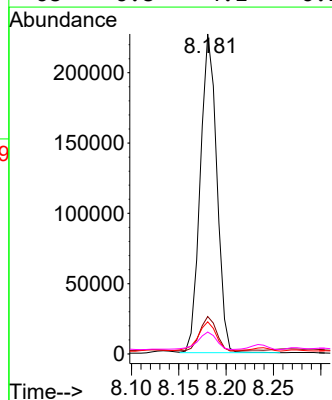
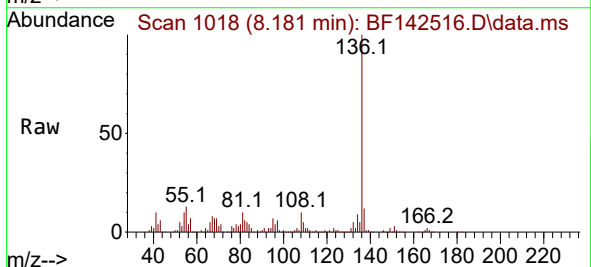
Instrument :
BNA_F
ClientSampleId :
VNJ-202

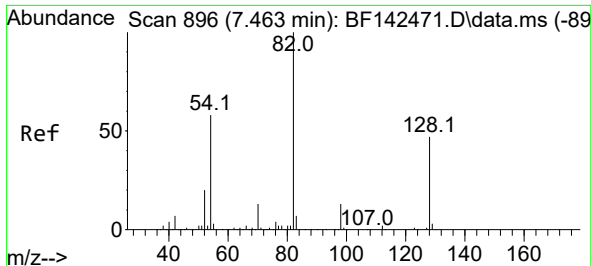
Tgt Ion: 99 Resp: 480986
Ion Ratio Lower Upper
99 100
42 20.1 16.2 24.2
71 33.7 27.3 40.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142516.D
Acq: 22 May 2025 18:00

Tgt Ion: 136 Resp: 275101
Ion Ratio Lower Upper
136 100
137 11.7 8.6 13.0
54 10.1 6.6 10.0#
68 6.8 4.1 6.1#





#23

Nitrobenzene-d5

Concen: 53.268 ng

RT: 7.457 min Scan# 896

Delta R.T. -0.018 min

Lab File: BF142516.D

Acq: 22 May 2025 18:00

Instrument :

BNA_F

ClientSampleId :

VNJ-202

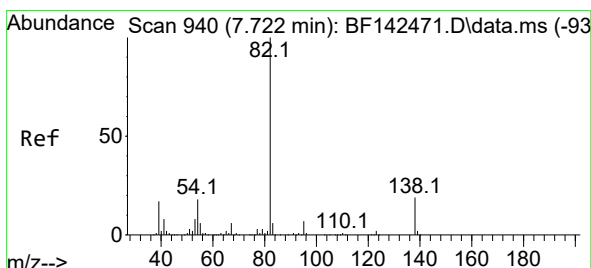
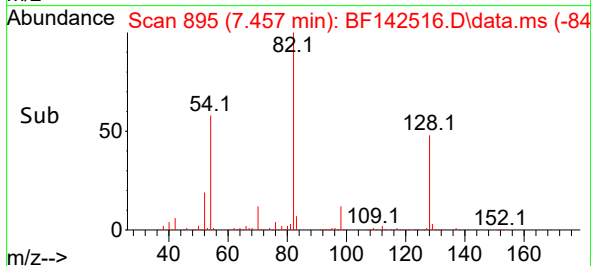
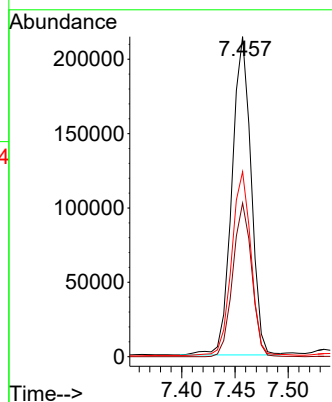
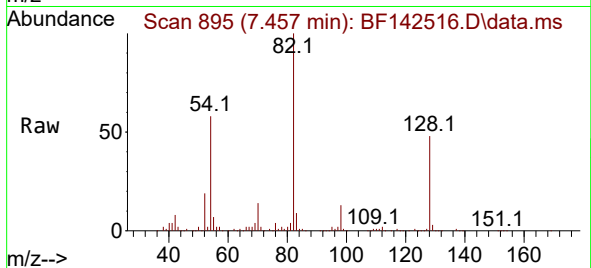
Tgt Ion: 82 Resp: 268739

Ion Ratio Lower Upper

82 100

128 48.0 37.4 56.2

54 57.8 46.6 70.0



#25

Isophorone

Concen: 3.350 ng

RT: 7.798 min Scan# 953

Delta R.T. 0.065 min

Lab File: BF142516.D

Acq: 22 May 2025 18:00

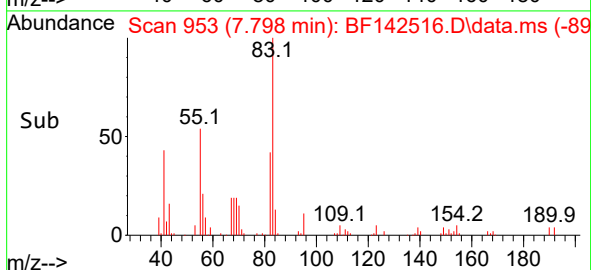
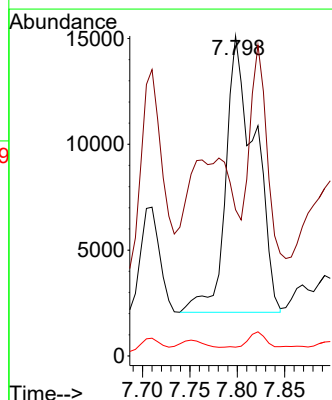
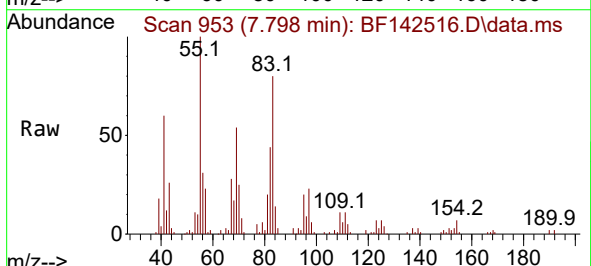
Tgt Ion: 82 Resp: 28258

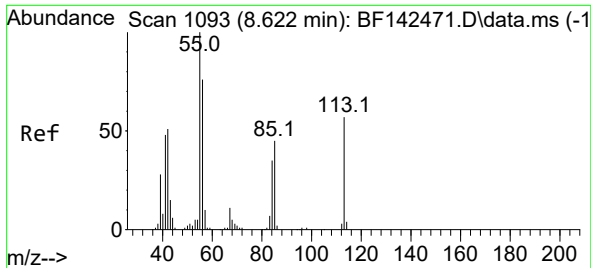
Ion Ratio Lower Upper

82 100

95 45.7 6.0 9.0#

138 2.8 15.5 23.3#

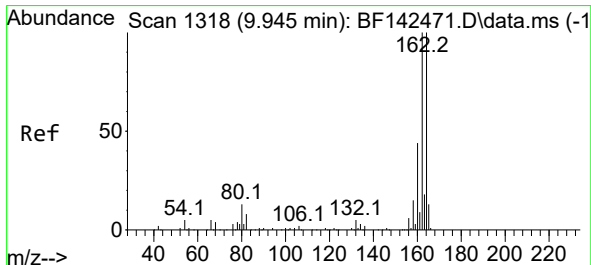
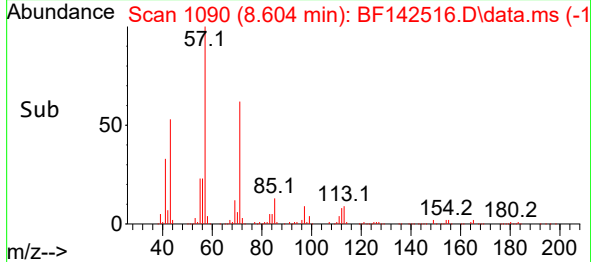
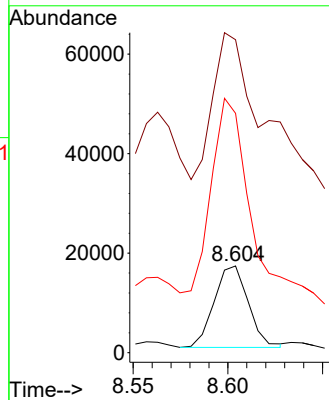
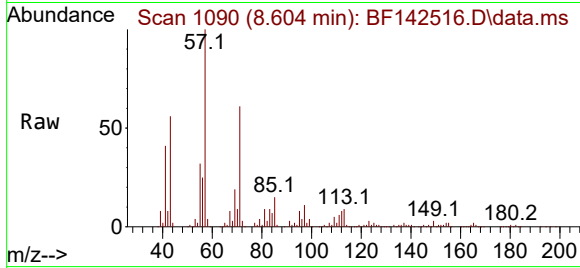




#35
Caprolactam
Concen: 18.714 ng
RT: 8.604 min Scan# 1093
Delta R.T. -0.041 min
Lab File: BF142516.D
Acq: 22 May 2025 18:00

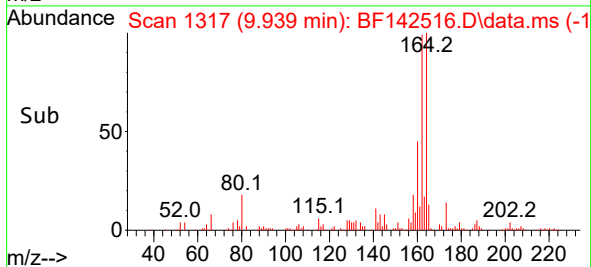
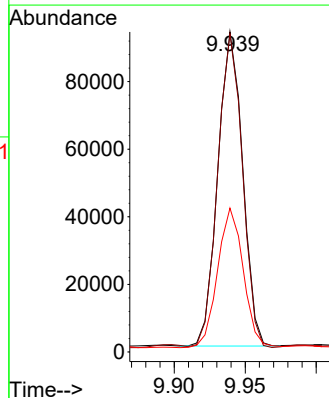
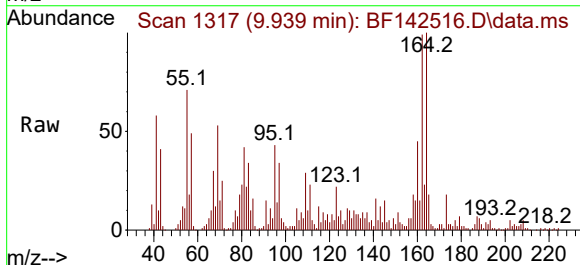
Instrument :
BNA_F
ClientSampleId :
VNJ-202

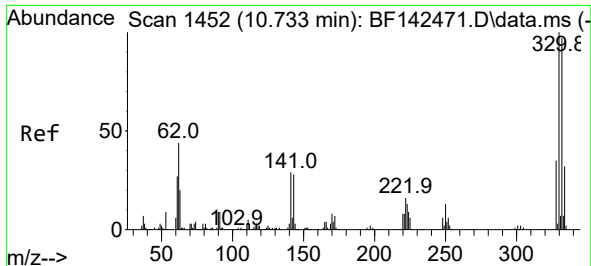
Tgt Ion:113 Resp: 20495
Ion Ratio Lower Upper
113 100
55 361.2 154.7 194.7#
56 276.3 113.2 153.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142516.D
Acq: 22 May 2025 18:00

Tgt Ion:164 Resp: 112715
Ion Ratio Lower Upper
164 100
162 99.4 80.2 120.4
160 44.9 35.6 53.4

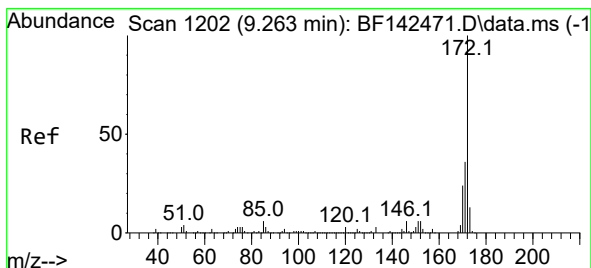
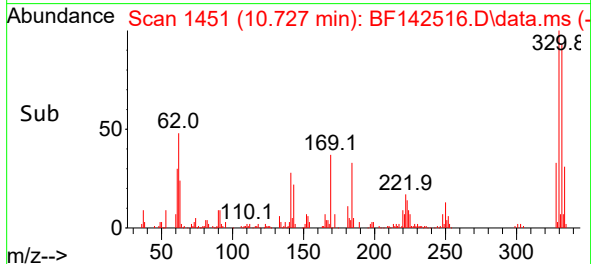
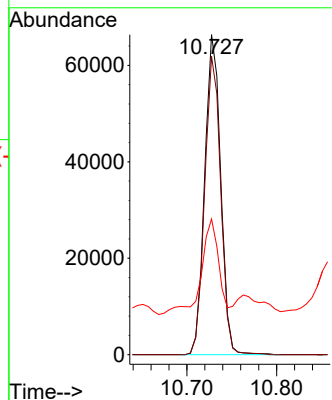
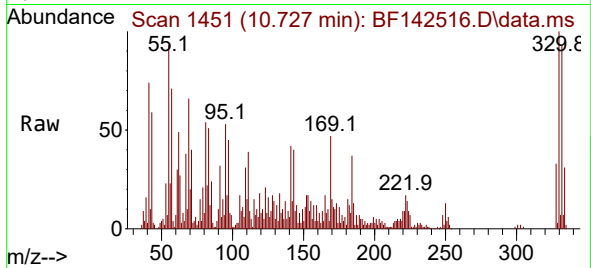




#42
2,4,6-Tribromophenol
Concen: 65.703 ng
RT: 10.727 min Scan# 1452
Delta R.T. -0.012 min
Lab File: BF142516.D
Acq: 22 May 2025 18:00

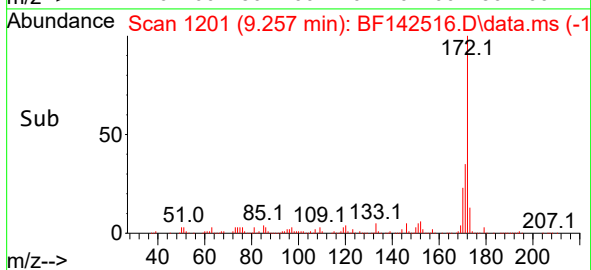
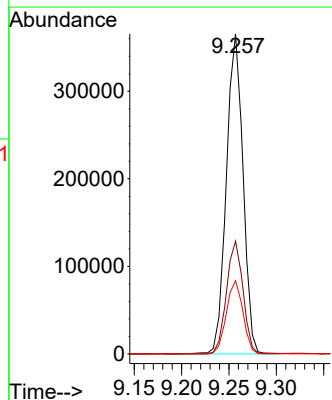
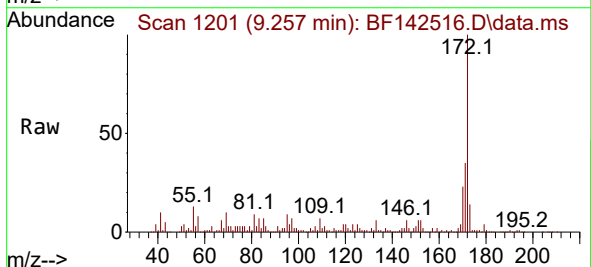
Instrument :
BNA_F
ClientSampleId :
VNJ-202

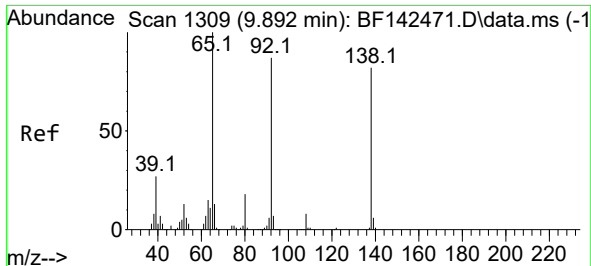
Tgt Ion:330 Resp: 82194
Ion Ratio Lower Upper
330 100
332 93.5 77.6 116.4
141 32.8 24.6 36.8



#45
2-Fluorobiphenyl
Concen: 53.346 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF142516.D
Acq: 22 May 2025 18:00

Tgt Ion:172 Resp: 448101
Ion Ratio Lower Upper
172 100
171 35.2 28.6 42.8
170 22.9 18.9 28.3

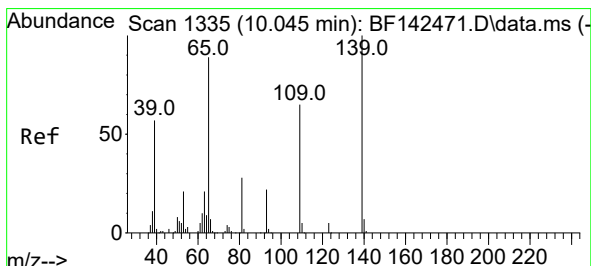
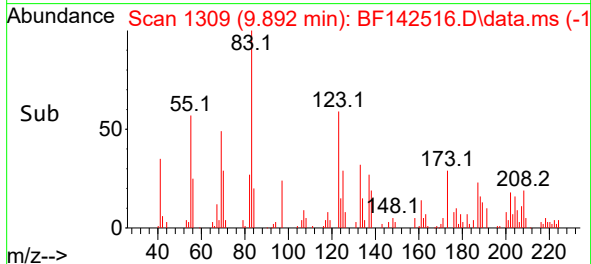
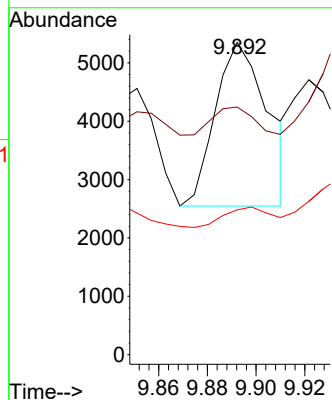
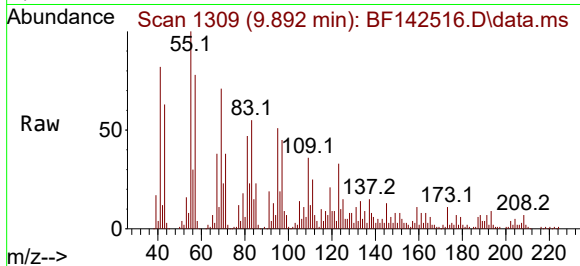




#53
3-Nitroaniline
Concen: 2.380 ng
RT: 9.892 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142516.D
Acq: 22 May 2025 18:00

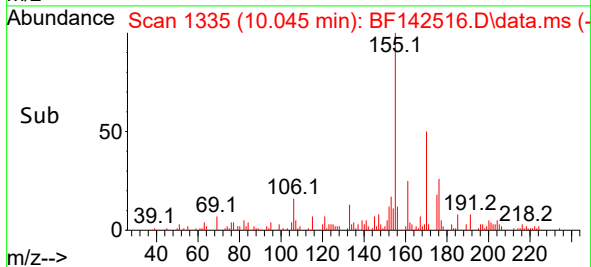
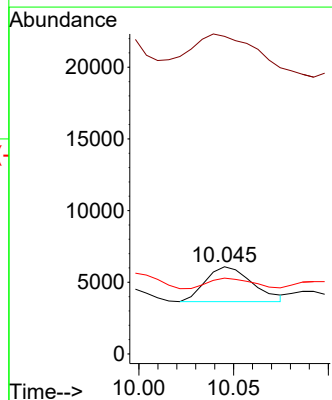
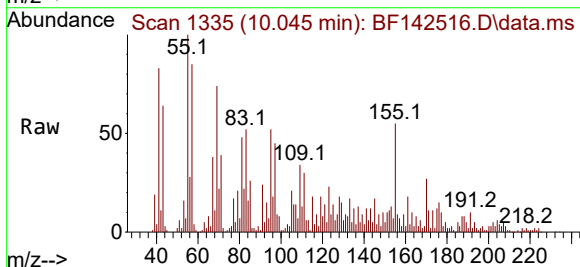
Instrument :
BNA_F
ClientSampleId :
VNJ-202

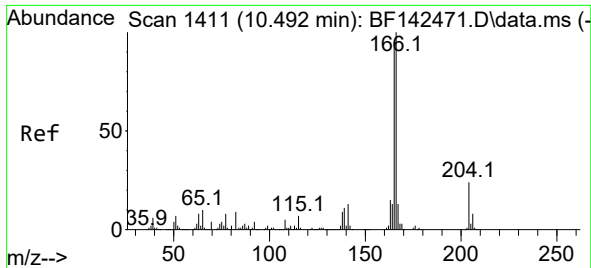
Tgt Ion:138 Resp: 4173
Ion Ratio Lower Upper
138 100
108 79.4 8.1 12.1#
92 46.4 85.2 127.8#



#56
4-Nitrophenol
Concen: 3.233 ng
RT: 10.045 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF142516.D
Acq: 22 May 2025 18:00

Tgt Ion:139 Resp: 4182
Ion Ratio Lower Upper
139 100
109 364.0 45.1 85.1#
65 86.9 69.7 109.7

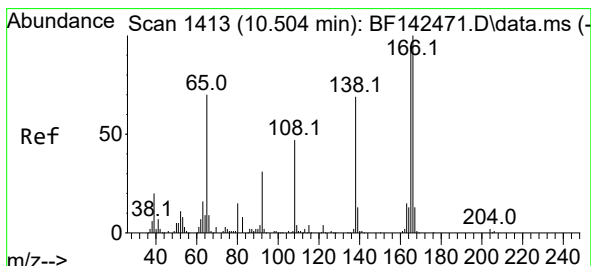
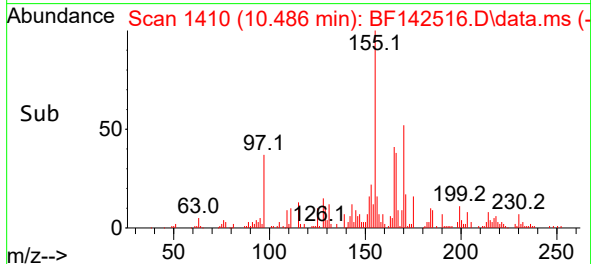
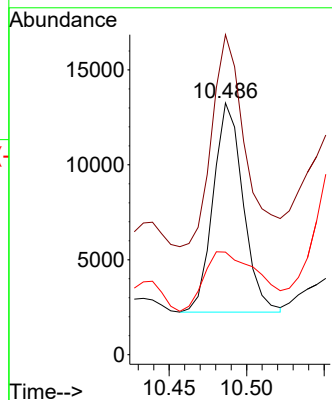
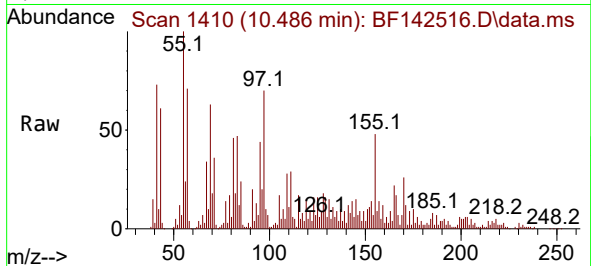




#58
Fluorene
Concen: 2.002 ng
RT: 10.486 min Scan# 1411
Delta R.T. -0.012 min
Lab File: BF142516.D
Acq: 22 May 2025 18:00

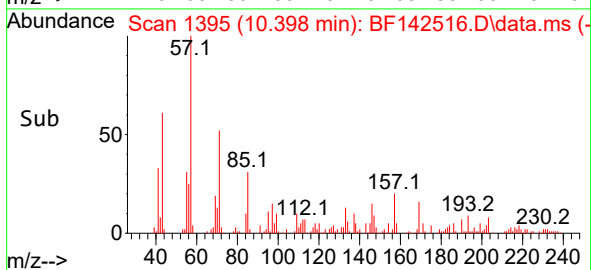
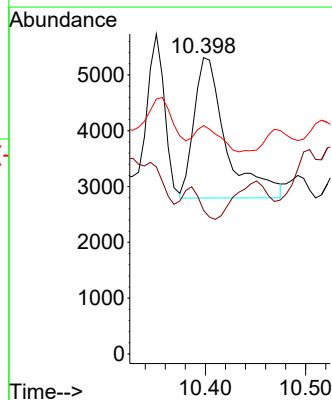
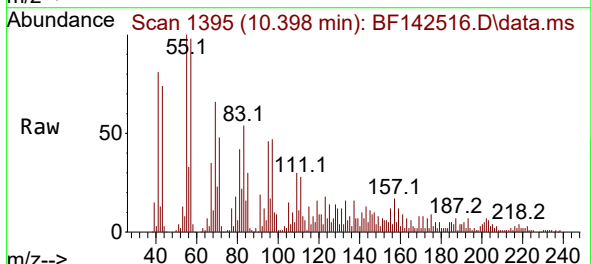
Instrument :
BNA_F
ClientSampleId :
VNJ-202

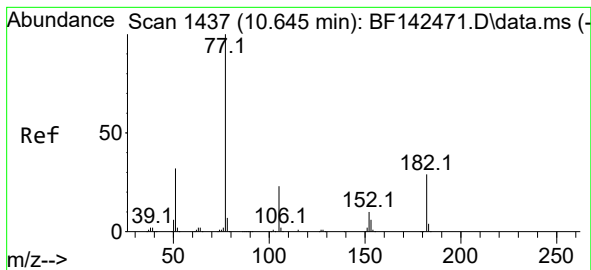
Tgt Ion:166 Resp: 14830
Ion Ratio Lower Upper
166 100
165 127.1 75.8 113.8#
167 40.7 10.6 16.0#



#62
4-Nitroaniline
Concen: 3.530 ng
RT: 10.398 min Scan# 1395
Delta R.T. -0.118 min
Lab File: BF142516.D
Acq: 22 May 2025 18:00

Tgt Ion:138 Resp: 5613
Ion Ratio Lower Upper
138 100
92 48.5 26.0 66.0
108 77.0 48.4 88.4





#63

Azobenzene

Concen: 6.733 ng

RT: 10.651 min Scan# 1437

Delta R.T. 0.006 min

Lab File: BF142516.D

Acq: 22 May 2025 18:00

Instrument :

BNA_F

ClientSampleId :

VNJ-202

Tgt Ion: 77 Resp: 43929

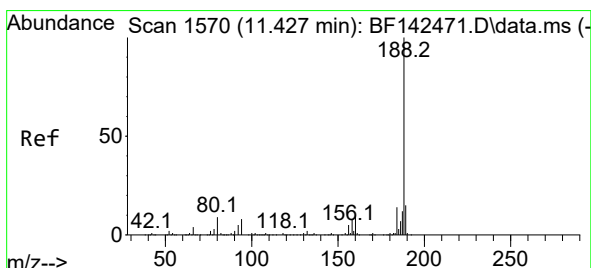
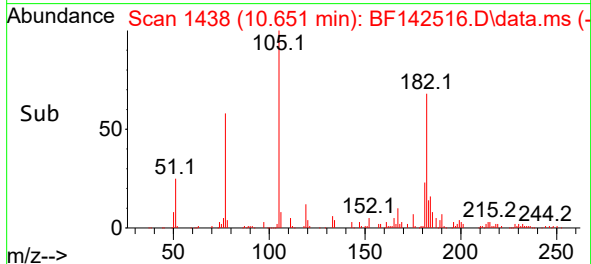
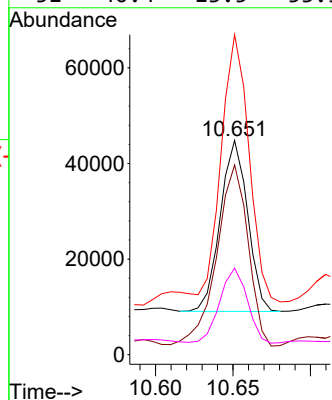
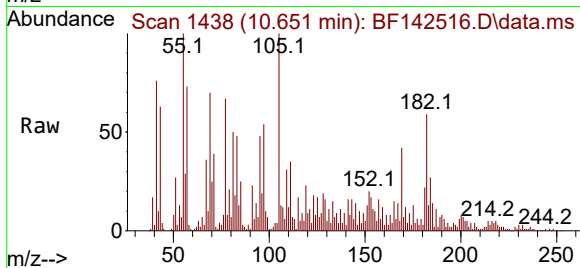
Ion Ratio Lower Upper

77 100

182 88.6 9.0 49.0#

105 149.4 2.4 42.4#

51 40.4 13.5 53.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.427 min Scan# 1570

Delta R.T. -0.006 min

Lab File: BF142516.D

Acq: 22 May 2025 18:00

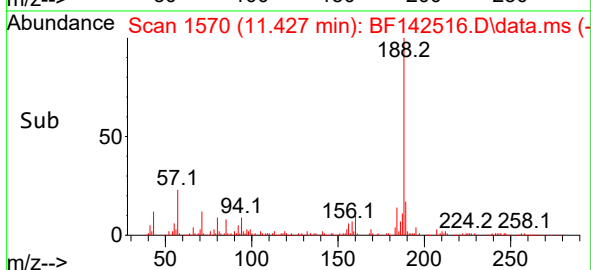
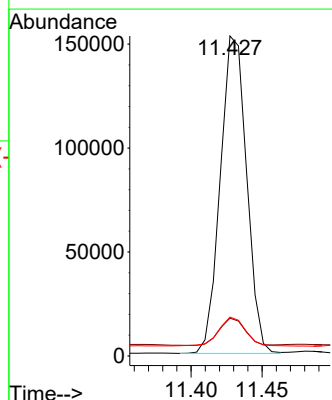
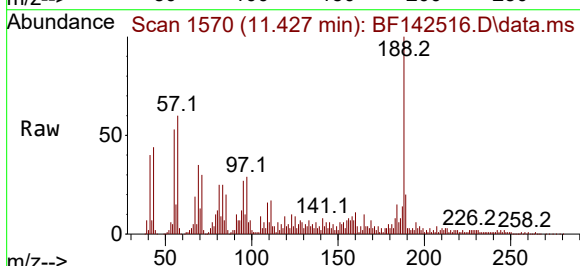
Tgt Ion: 188 Resp: 196778

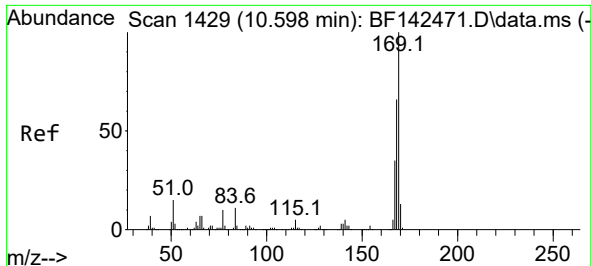
Ion Ratio Lower Upper

188 100

94 11.8 6.6 10.0#

80 12.1 7.4 11.0#

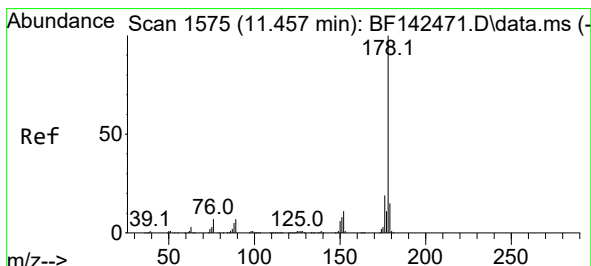
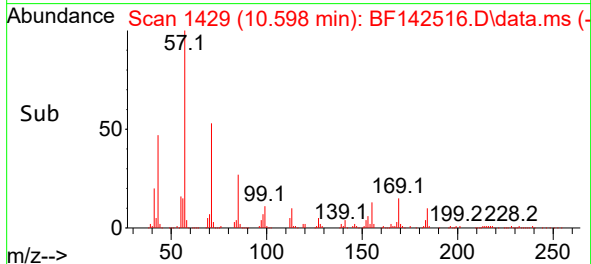
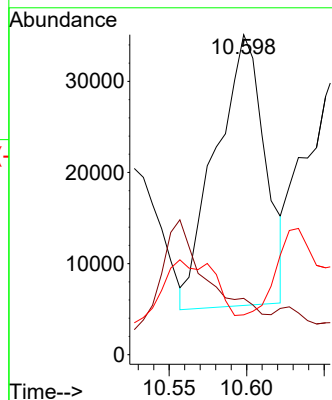
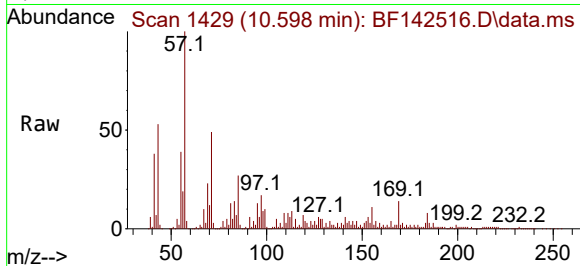




#66
n-Nitrosodiphenylamine
Concen: 9.774 ng
RT: 10.598 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF142516.D
Acq: 22 May 2025 18:00

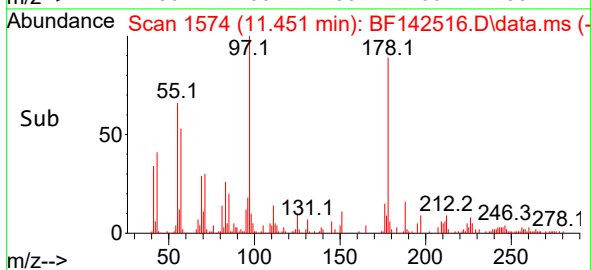
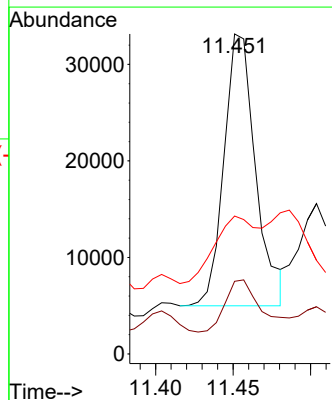
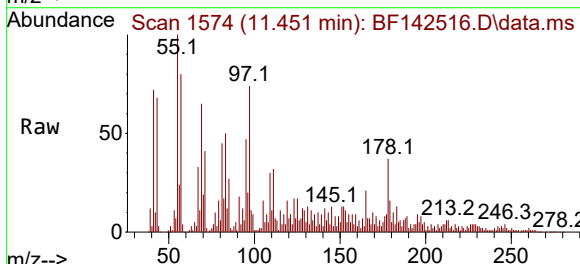
Instrument :
BNA_F
ClientSampleId :
VNJ-202

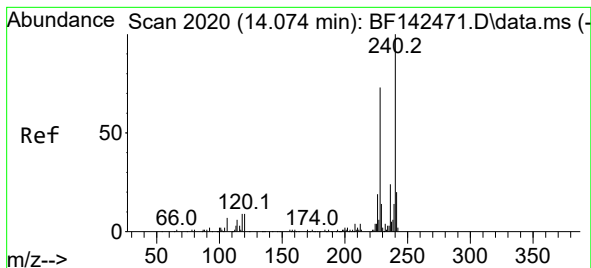
Tgt Ion:169 Resp: 65801
Ion Ratio Lower Upper
169 100
168 17.6 52.7 79.1#
167 12.5 28.3 42.5#



#71
Phenanthrene
Concen: 3.807 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF142516.D
Acq: 22 May 2025 18:00

Tgt Ion:178 Resp: 40036
Ion Ratio Lower Upper
178 100
176 22.7 15.4 23.0
179 43.1 12.3 18.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.068 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF142516.D

Acq: 22 May 2025 18:00

Instrument :

BNA_F

ClientSampleId :

VNJ-202

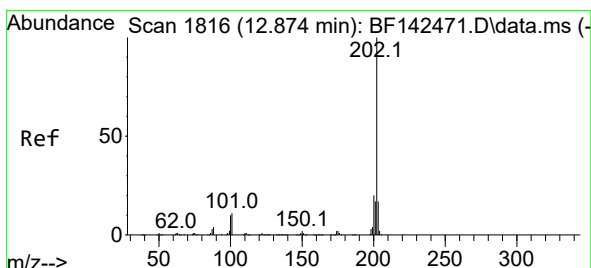
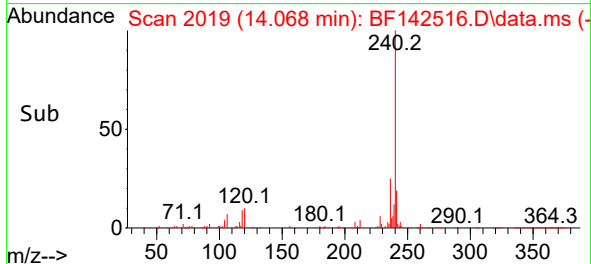
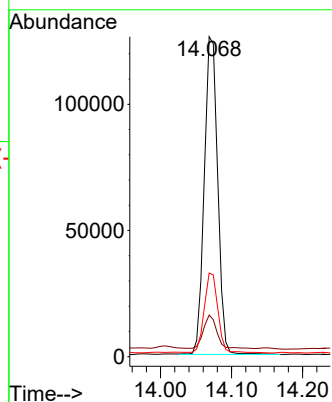
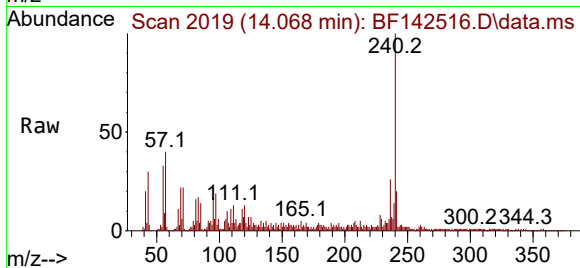
Tgt Ion:240 Resp: 166183

Ion Ratio Lower Upper

240 100

120 13.0 7.5 11.3#

236 26.2 19.6 29.4



#78

Pyrene

Concen: 2.482 ng

RT: 12.874 min Scan# 1816

Delta R.T. 0.000 min

Lab File: BF142516.D

Acq: 22 May 2025 18:00

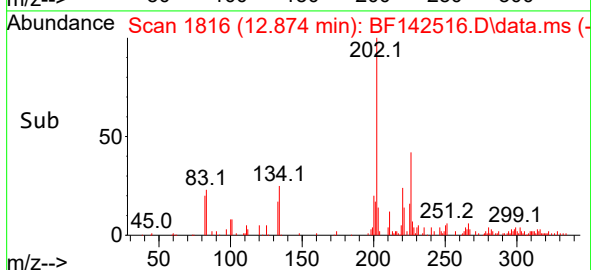
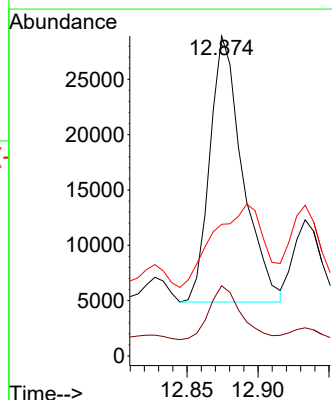
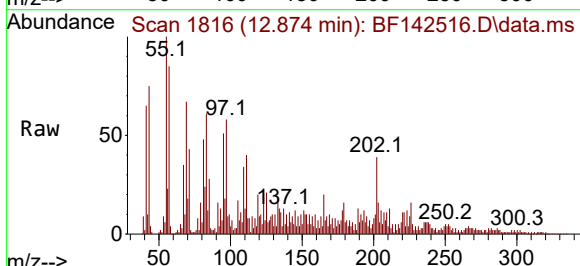
Tgt Ion:202 Resp: 38477

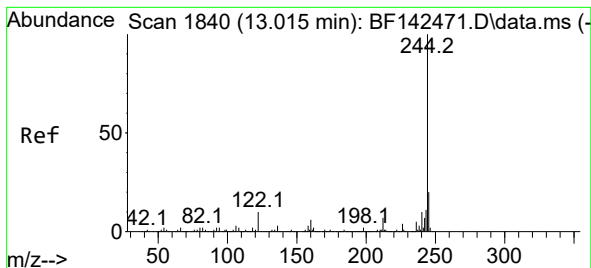
Ion Ratio Lower Upper

202 100

200 21.9 16.1 24.1

203 41.2 13.9 20.9#





#79

Terphenyl-d14

Concen: 39.824 ng

RT: 13.016 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF142516.D

Acq: 22 May 2025 18:00

Instrument :

BNA_F

ClientSampleId :

VNJ-202

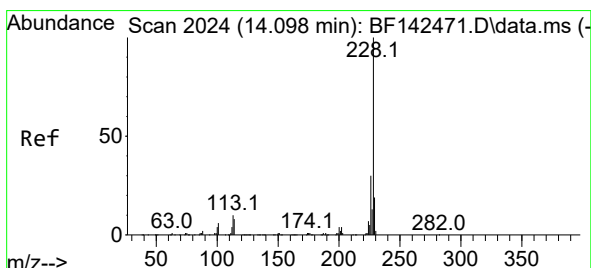
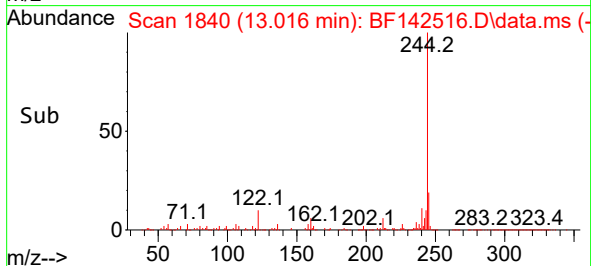
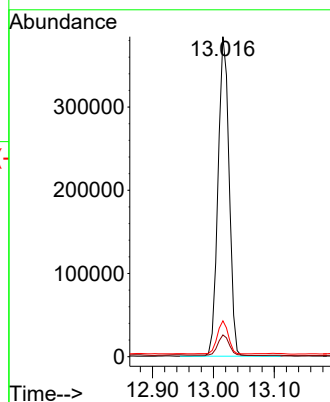
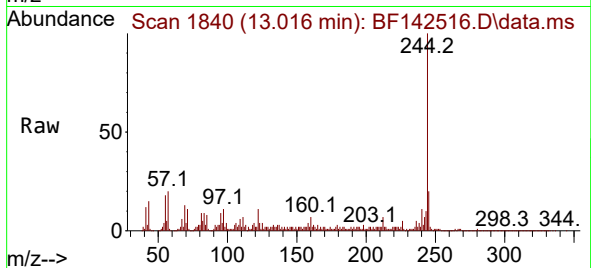
Tgt Ion:244 Resp: 484292

Ion Ratio Lower Upper

244 100

212 6.8 5.3 7.9

122 11.2 8.2 12.2



#83

Chrysene

Concen: 2.008 ng

RT: 14.092 min Scan# 2023

Delta R.T. -0.012 min

Lab File: BF142516.D

Acq: 22 May 2025 18:00

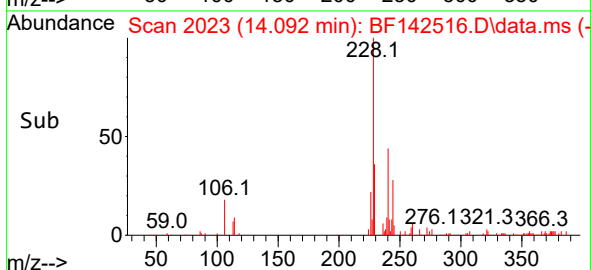
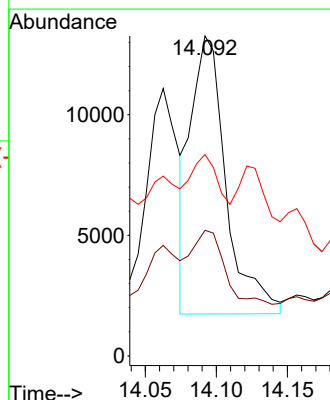
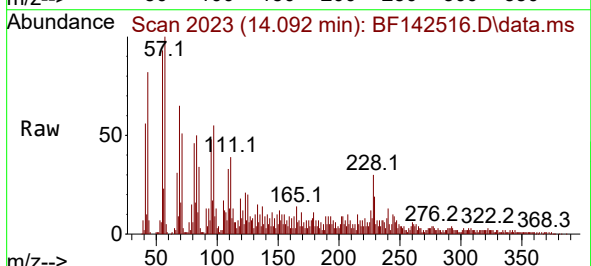
Tgt Ion:228 Resp: 20018

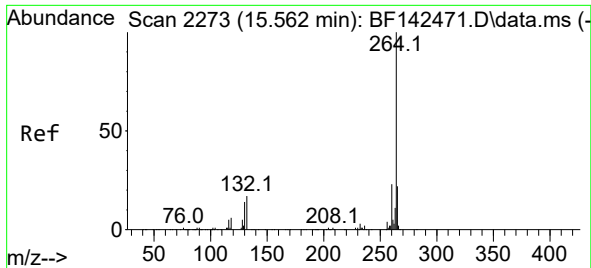
Ion Ratio Lower Upper

228 100

226 39.2 23.8 35.6#

229 62.9 15.4 23.2#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142516.D
Acq: 22 May 2025 18:00

Instrument :
BNA_F
ClientSampleId :
VNJ-202

Tgt Ion:264 Resp: 134396
Ion Ratio Lower Upper
264 100
260 23.2 18.6 28.0
265 21.9 17.7 26.5

