

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)

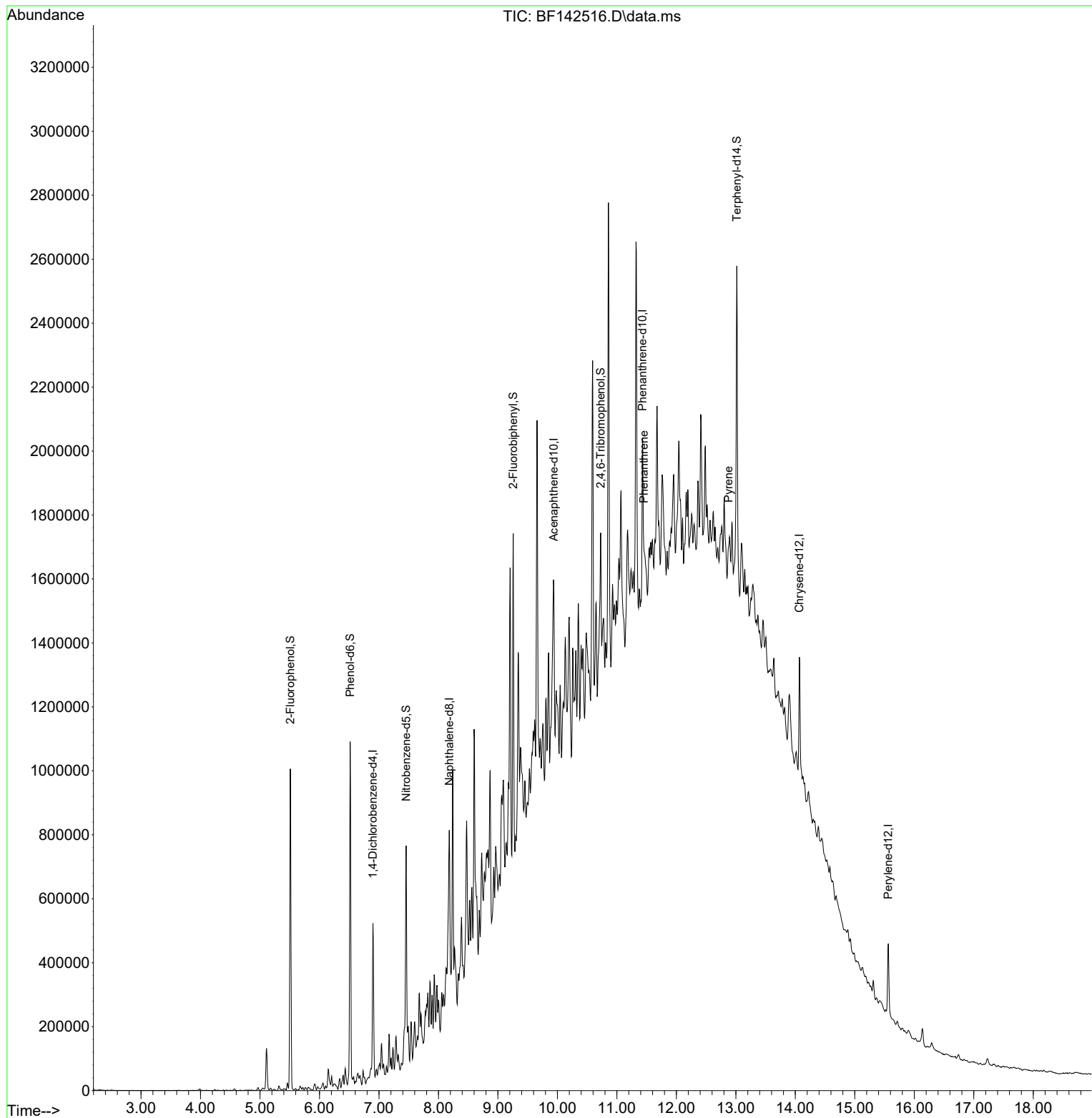
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	87220	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	275101	20.000	ng	# 0.00
39) Acenaphthene-d10	9.939	164	112715	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	196778	20.000	ng	# 0.00
76) Chrysene-d12	14.068	240	166183	20.000	ng	# 0.00
86) Perylene-d12	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
71) Phenanthrene	11.451	178	40036	3.807	ng	# 66
78) Pyrene	12.874	202	38477	2.482	ng	# 73

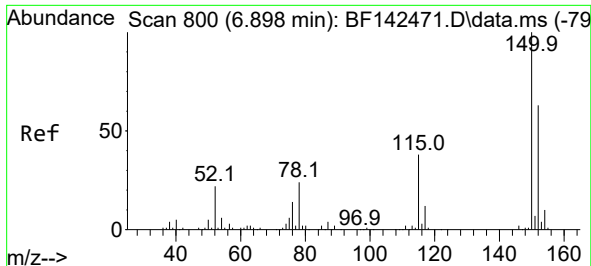
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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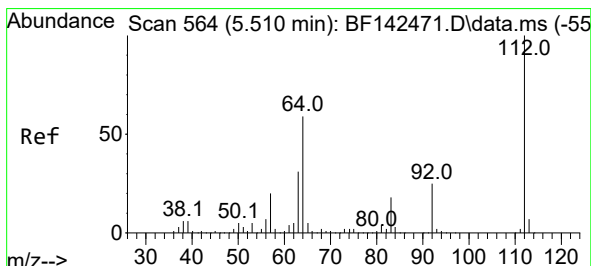
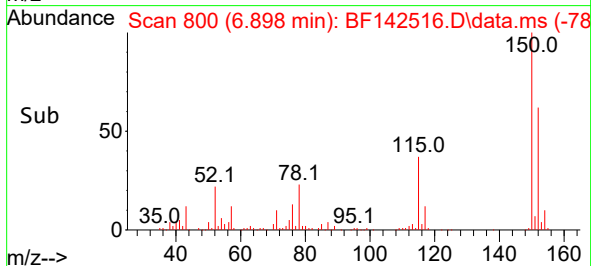
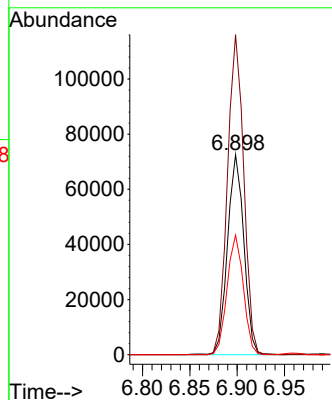
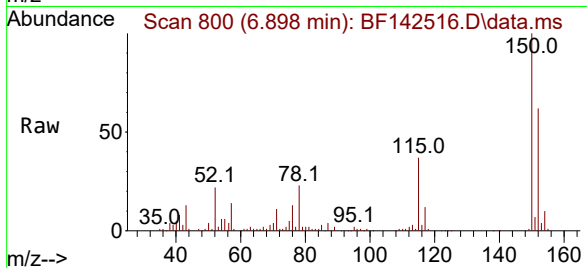




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF142516.D
Acq: 22 May 2025 18:00

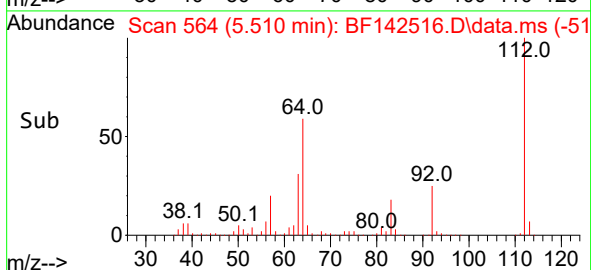
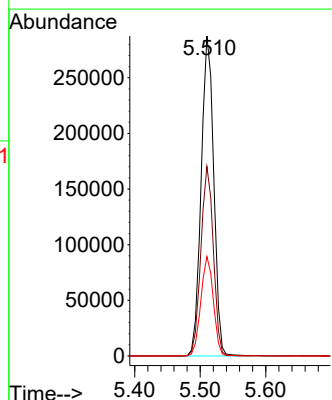
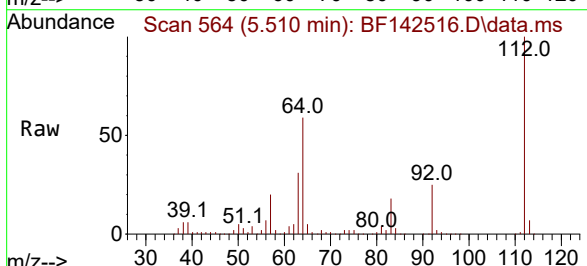
Instrument :
BNA_F
ClientSampleId :
VNJ-202

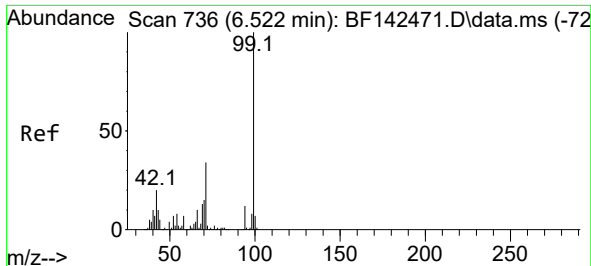
Tgt Ion:152 Resp: 87220
Ion Ratio Lower Upper
152 100
150 160.0 128.2 192.4
115 59.8 48.3 72.5



#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

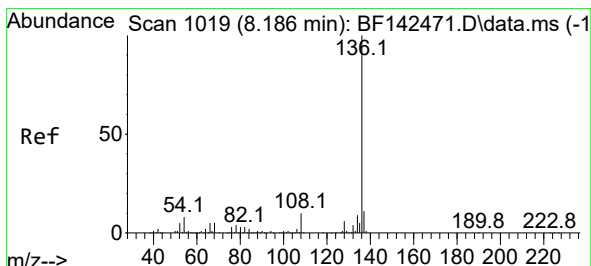
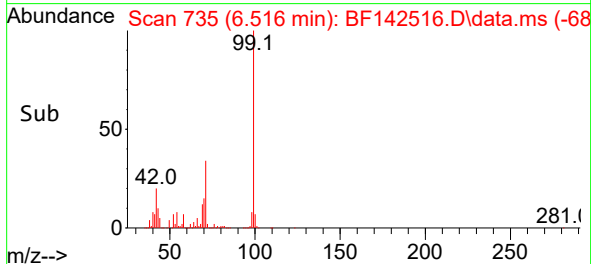
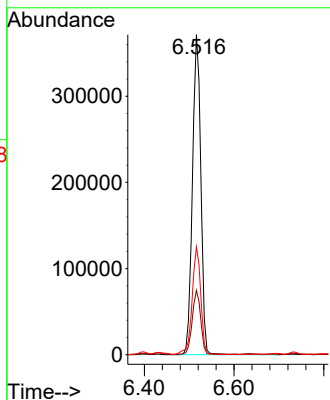
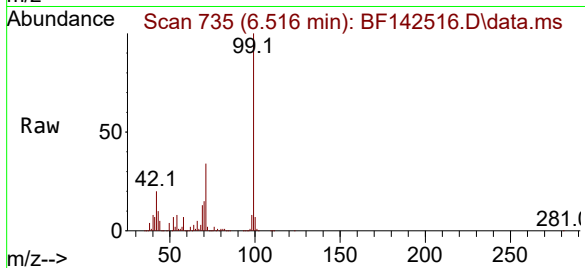




#7
Phenol-d6
Concen: 77.181 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF142516.D
Acq: 22 May 2025 18:00

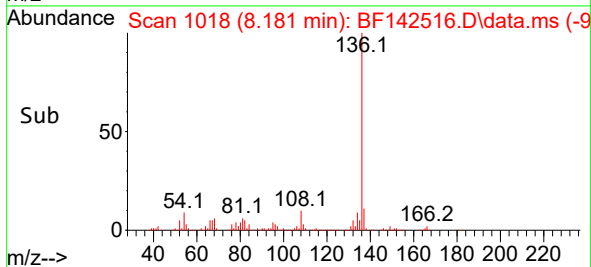
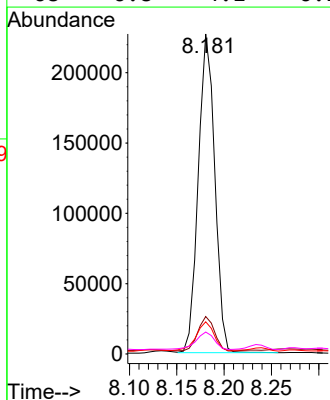
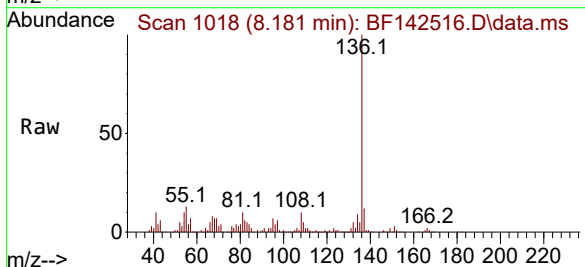
Instrument :
BNA_F
ClientSampleId :
VNJ-202

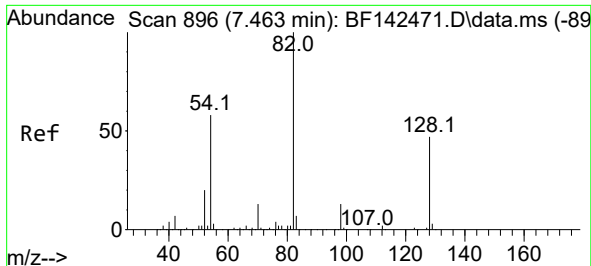
Tgt Ion: 99 Resp: 480986
Ion Ratio Lower Upper
99 100
42 20.1 16.2 24.2
71 33.7 27.3 40.9



#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

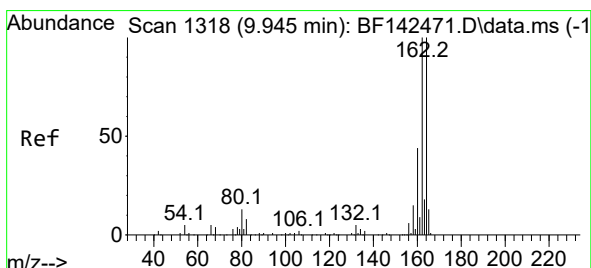
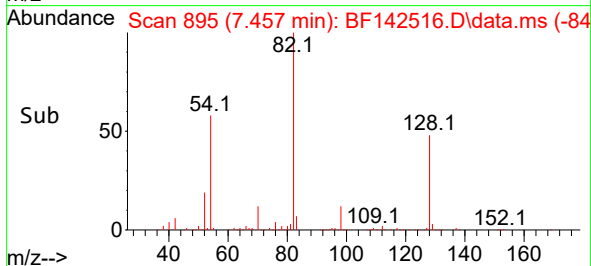
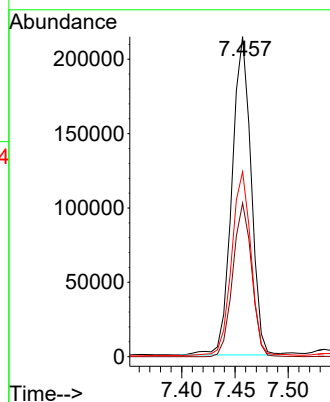
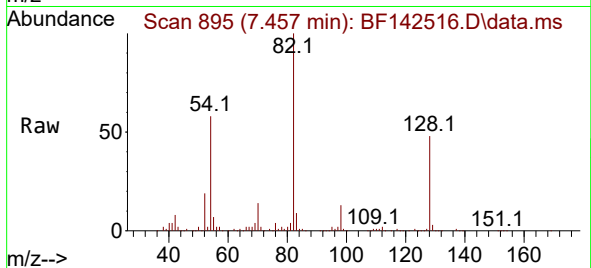
Tgt Ion: 82 Resp: 268739

Ion Ratio Lower Upper

82 100

128 48.0 37.4 56.2

54 57.8 46.6 70.0



#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

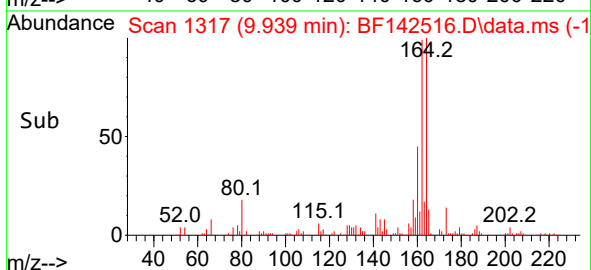
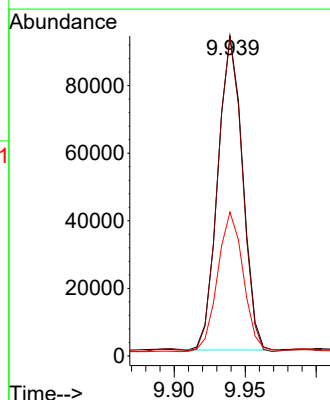
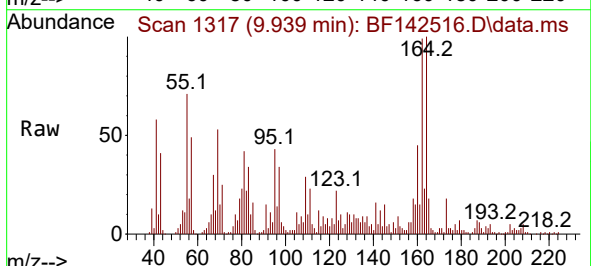
Tgt Ion: 164 Resp: 112715

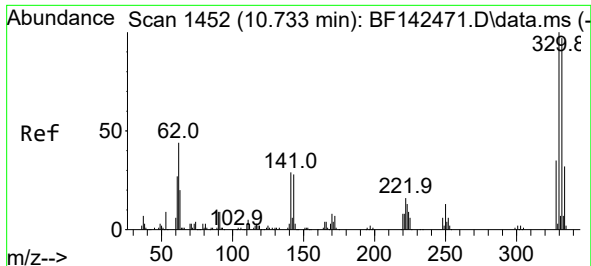
Ion Ratio Lower Upper

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# 1451

Delta R.T. -0.012 min

Lab File: BF142516.D

Acq: 22 May 2025 18:00

Instrument :

BNA_F

ClientSampleId :

VNJ-202

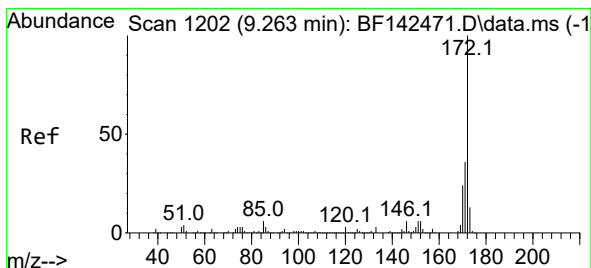
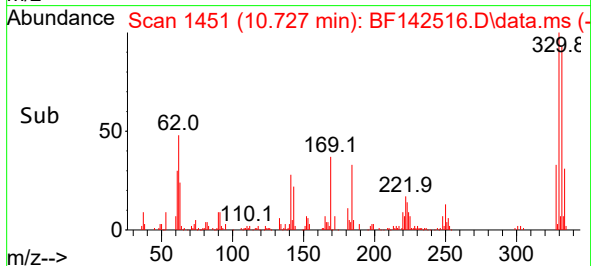
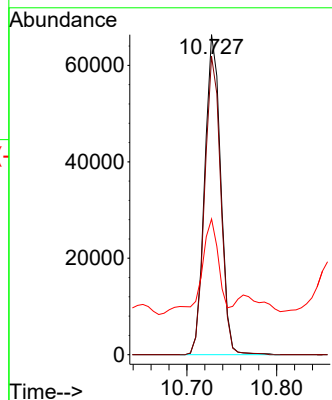
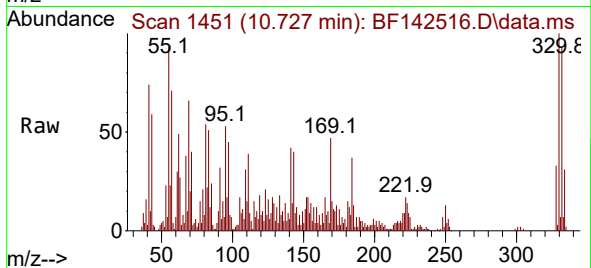
Tgt Ion:330 Resp: 82194

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

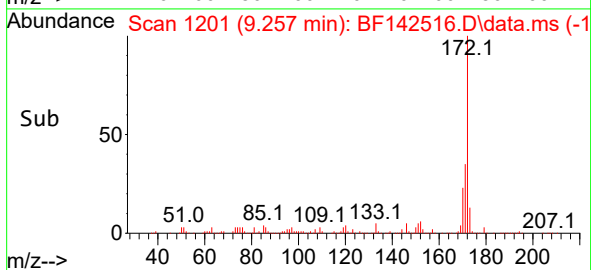
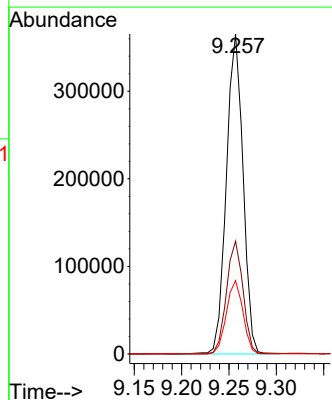
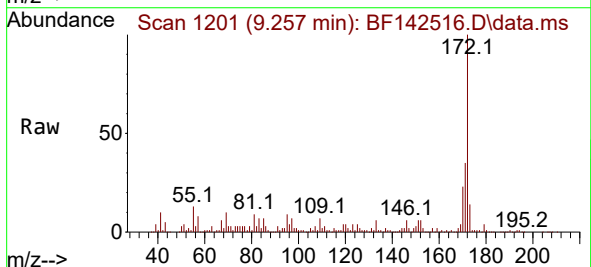
Tgt Ion:172 Resp: 448101

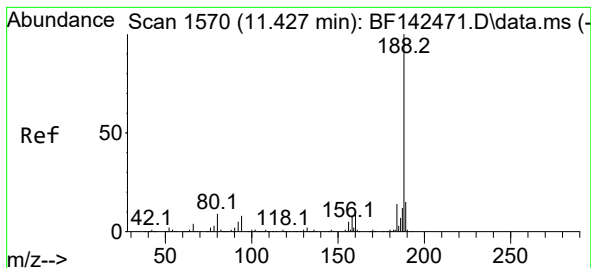
Ion Ratio Lower Upper

172 100

171 35.2 28.6 42.8

170 22.9 18.9 28.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.427 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142516.D

Acq: 22 May 2025 18:00

Instrument :

BNA_F

ClientSampleId :

VNJ-202

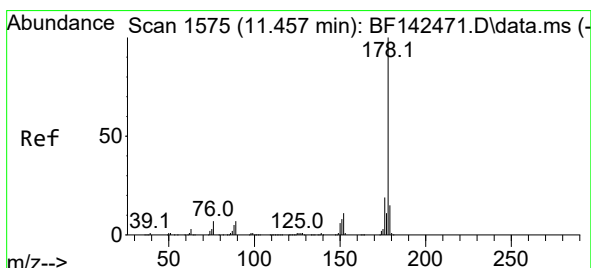
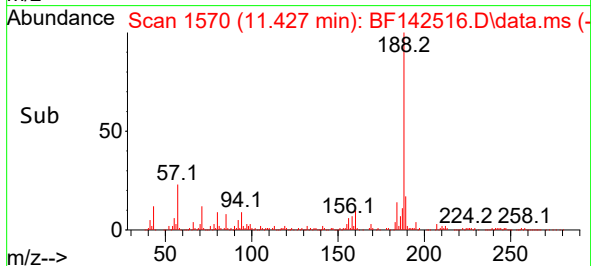
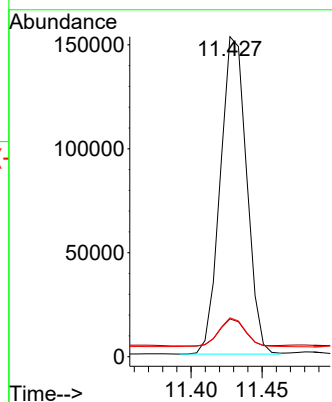
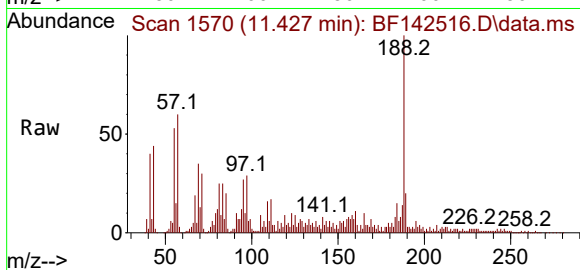
Tgt Ion:188 Resp: 196778

Ion Ratio Lower Upper

188 100

94 11.8 6.6 10.0#

80 12.1 7.4 11.0#



#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

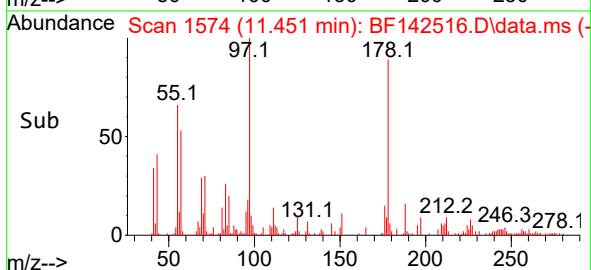
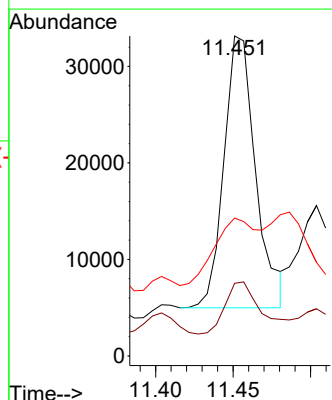
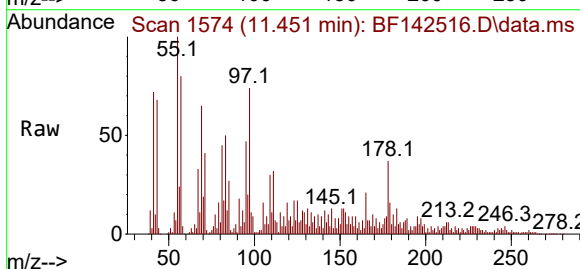
Tgt Ion:178 Resp: 40036

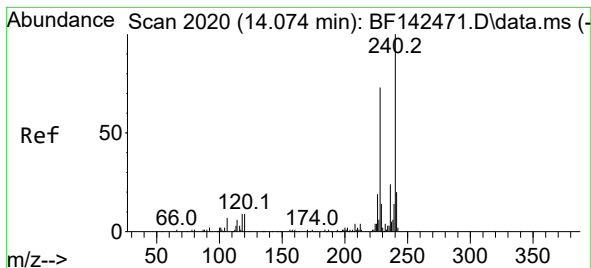
Ion Ratio Lower Upper

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

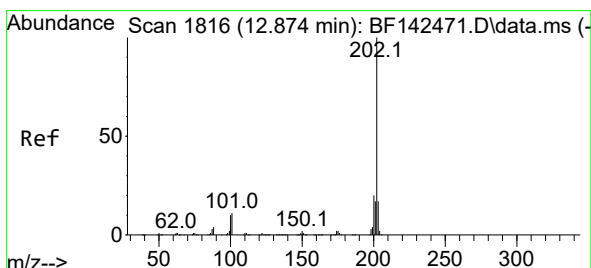
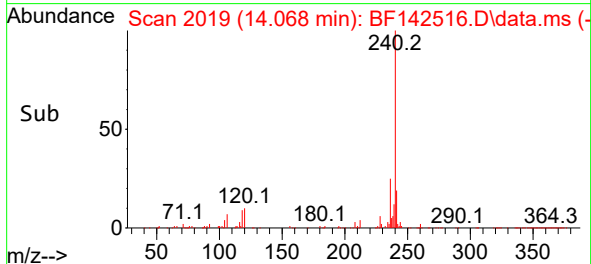
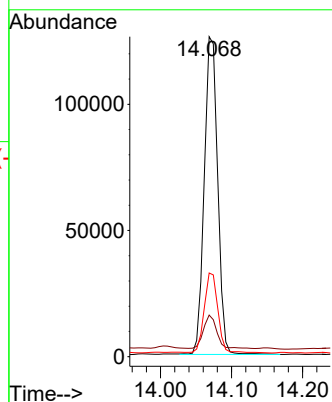
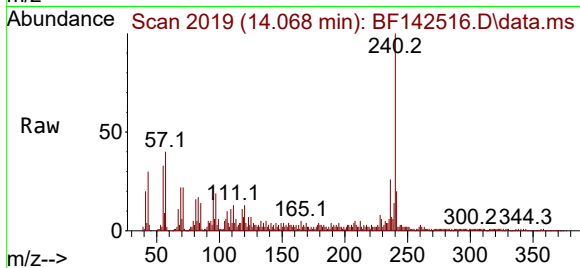
Tgt Ion:240 Resp: 166183

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

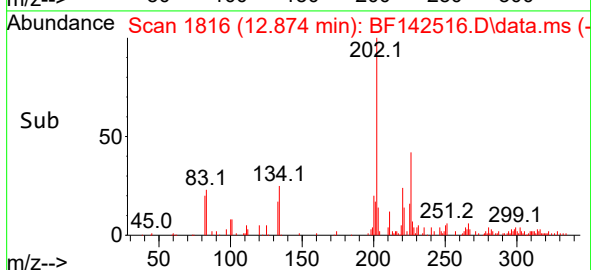
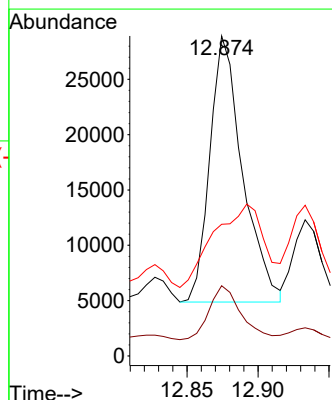
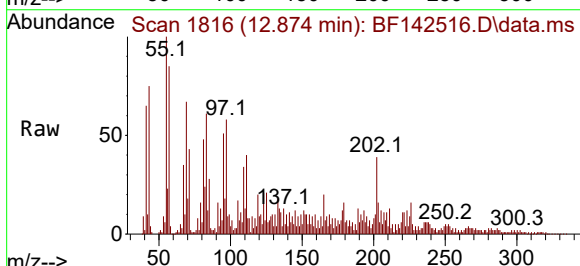
Tgt Ion:202 Resp: 38477

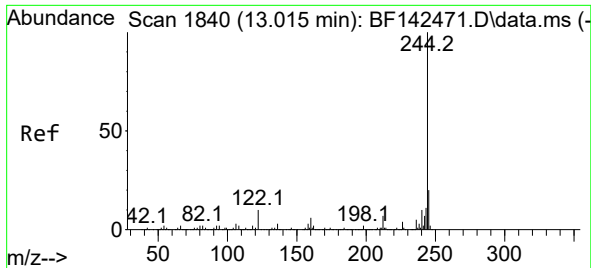
Ion Ratio Lower Upper

202 100

200 21.9 16.1 24.1

203 41.2 13.9 20.9#

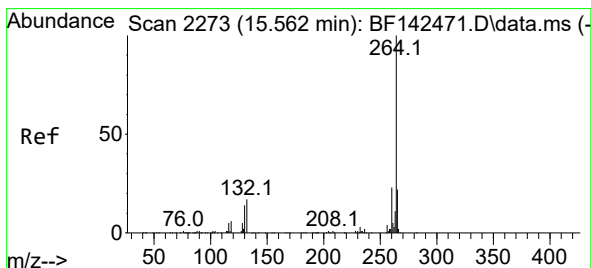
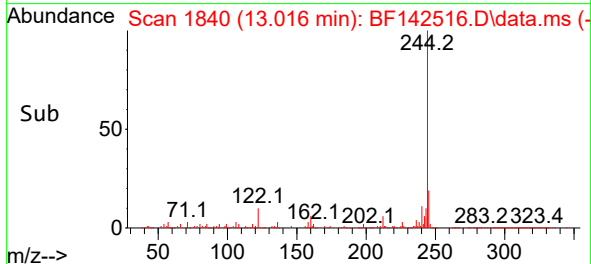
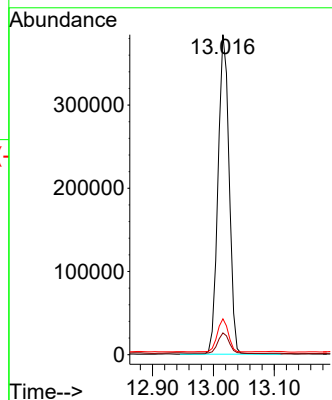
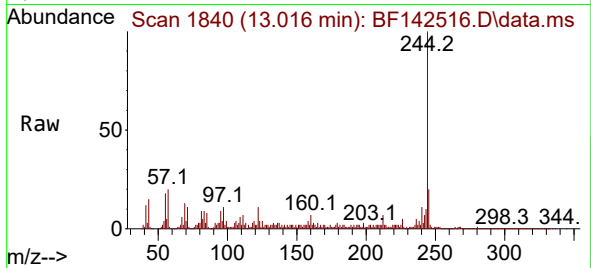




#79
 Terphenyl-d14
 Concen: 39.824 ng
 RT: 13.016 min Scan# 1840
 Delta R.T. 0.000 min
 Lab File: BF142516.D
 Acq: 22 May 2025 18:00

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



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.562 min Scan# 2273
 Delta R.T. -0.006 min
 Lab File: BF142516.D
 Acq: 22 May 2025 18:00

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

