

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062425\
 Data File : BF142829.D
 Acq On : 24 Jun 2025 20:07
 Operator : RC/JU
 Sample : Q2381-03 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-207

Quant Time: Jun 25 01:30:23 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

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

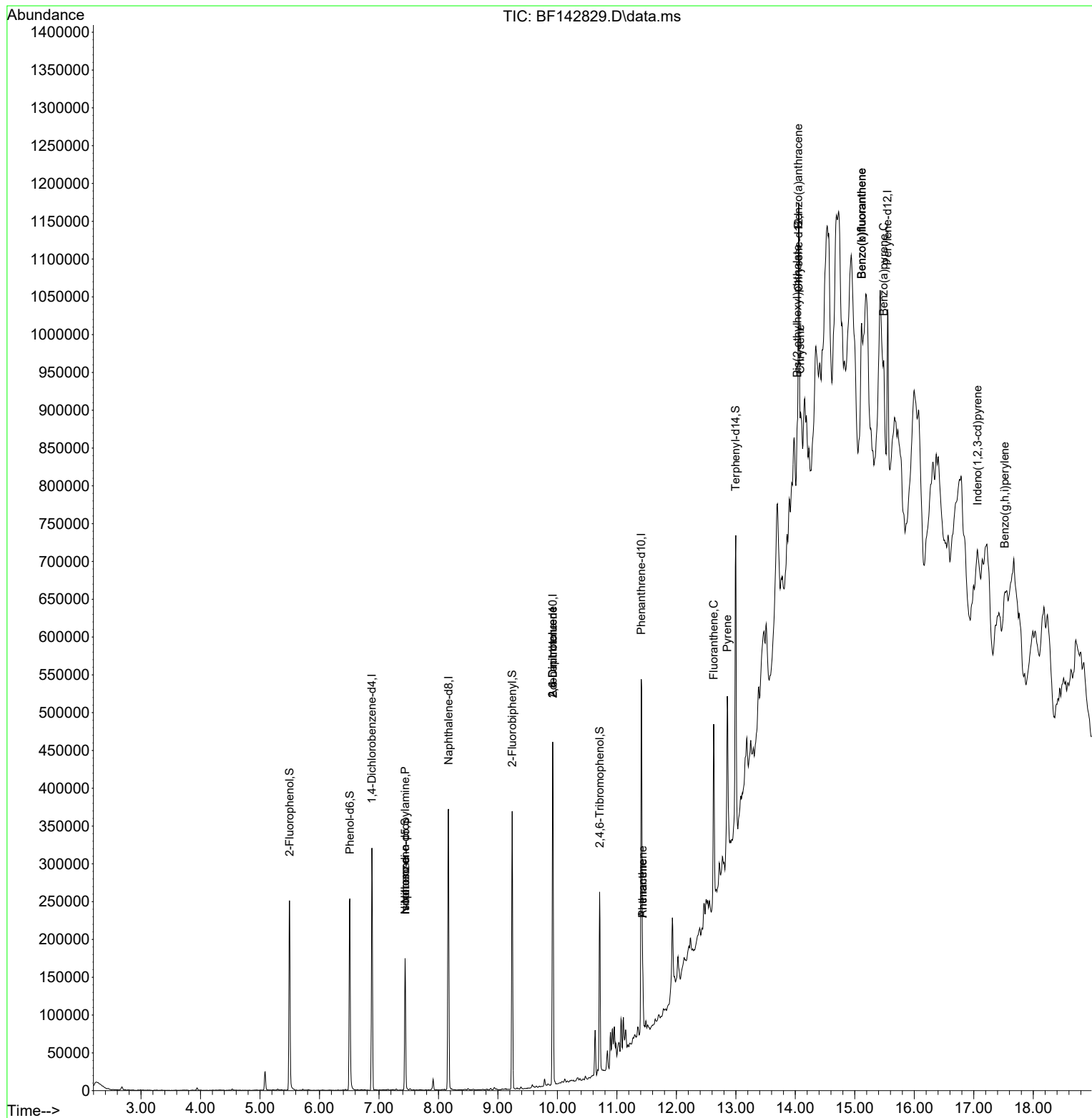
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	69027	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	246519	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	131375	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	250374	20.000	ng	0.00
76) Chrysene-d12	14.057	240	173991	20.000	ng	0.00
86) Perylene-d12	15.551	264	121998	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	104464	25.197	ng	0.00
7) Phenol-d6	6.510	99	121217	24.782	ng	0.00
23) Nitrobenzene-d5	7.439	82	70151	15.609	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	37860	28.004	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	159928	15.992	ng	0.00
79) Terphenyl-d14	12.998	244	193435	15.361	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	9385	3.299	ng	# 79
25) Isophorone	7.439	82	68848	9.549	ng	# 62
51) 2,6-Dinitrotoluene	9.922	165	17393	9.313	ng	# 26
57) 2,4-Dinitrotoluene	9.922	165	17393	7.011	ng	# 27
71) Phenanthrene	11.433	178	41523	3.062	ng	98
72) Anthracene	11.433	178	41523	2.985	ng	98
75) Fluoranthene	12.627	202	125252	9.731	ng	99
78) Pyrene	12.857	202	122573	7.516	ng	97
81) Benzo(a)anthracene	14.051	228	49264	4.197	ng	# 87
83) Chrysene	14.080	228	53393	5.098	ng	# 92
84) Bis(2-ethylhexyl)phtha...	14.033	149	40833	5.999	ng	# 93
87) Indeno(1,2,3-cd)pyrene	17.062	276	24037	2.587	ng	# 89
88) Benzo(b)fluoranthene	15.115	252	79776	11.301	ng	# 74
89) Benzo(k)fluoranthene	15.115	252	79776	12.079	ng	# 73
90) Benzo(a)pyrene	15.486	252	34620	5.076	ng	# 51
92) Benzo(g,h,i)perylene	17.521	276	24770	3.290	ng	# 79

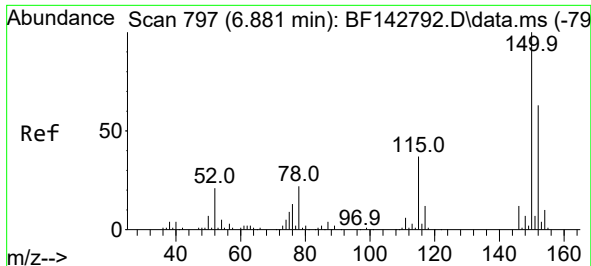
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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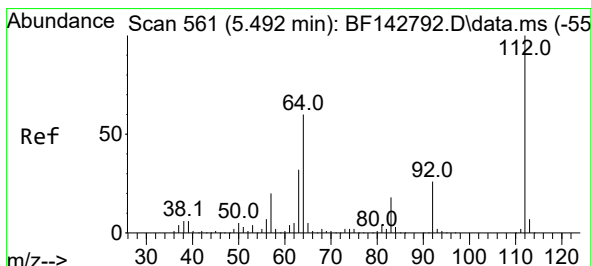
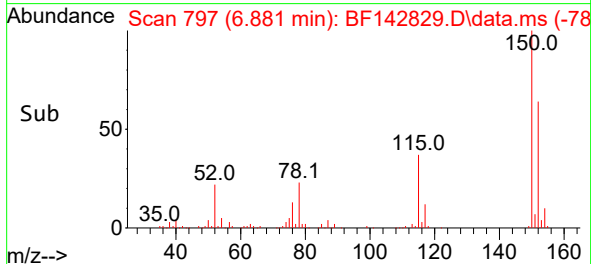
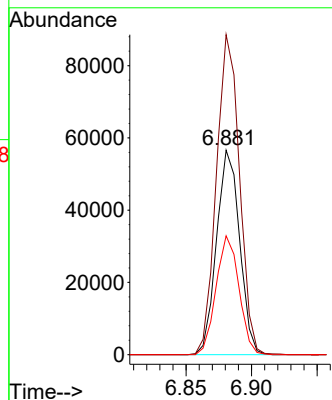
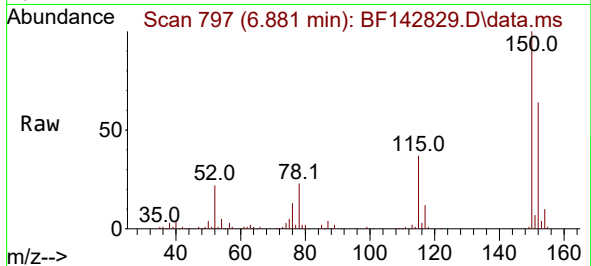




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 797
Delta R.T. -0.000 min
Lab File: BF142829.D
Acq: 24 Jun 2025 20:07

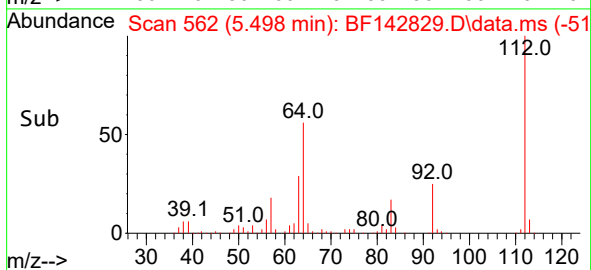
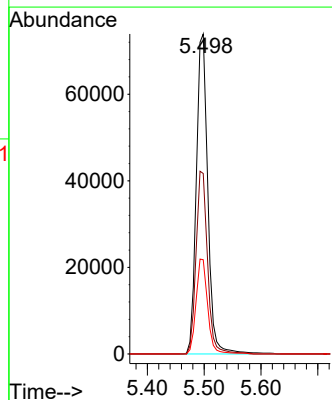
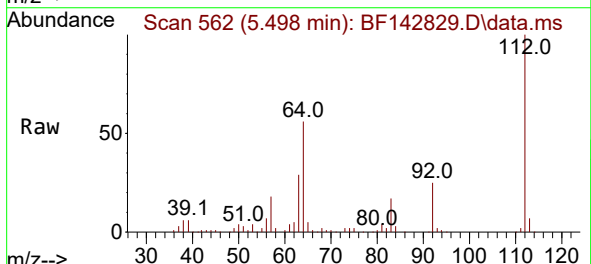
Instrument :
BNA_F
ClientSampleId :
VNJ-207

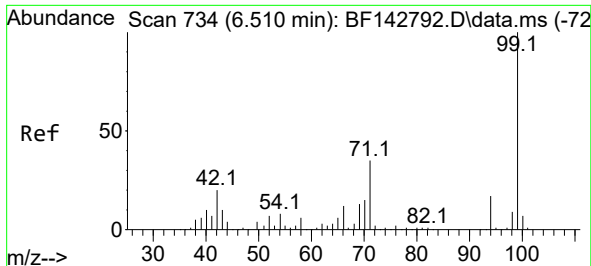
Tgt Ion:152 Resp: 69027
Ion Ratio Lower Upper
152 100
150 156.4 127.2 190.8
115 58.1 46.6 69.8



#5
2-Fluorophenol
Concen: 25.197 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.006 min
Lab File: BF142829.D
Acq: 24 Jun 2025 20:07

Tgt Ion:112 Resp: 104464
Ion Ratio Lower Upper
112 100
64 56.4 48.2 72.2
63 29.5 25.7 38.5

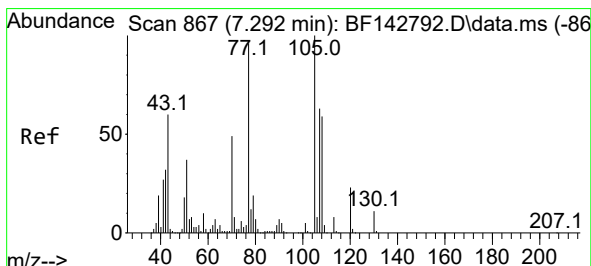
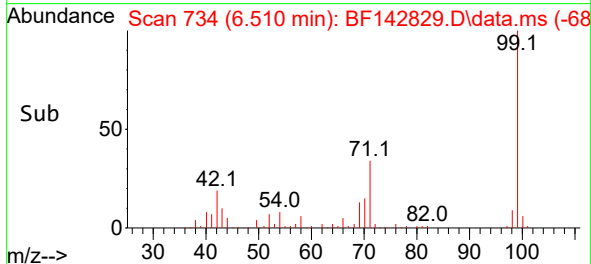
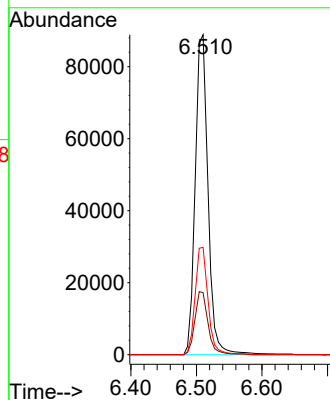
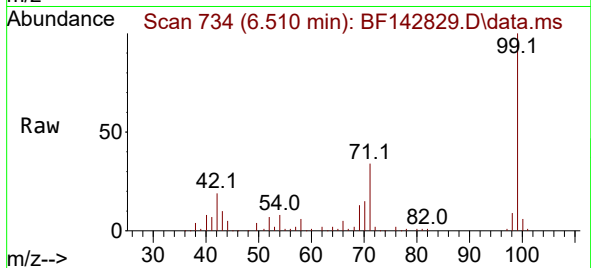




#7
Phenol-d6
Concen: 24.782 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF142829.D
Acq: 24 Jun 2025 20:07

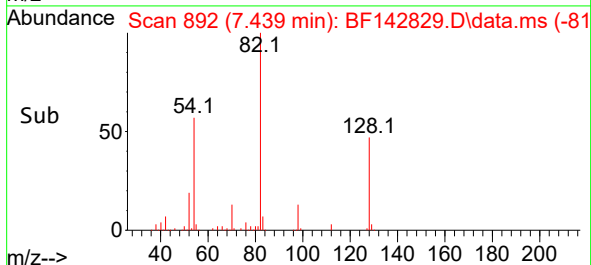
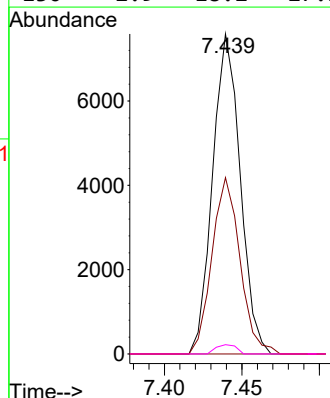
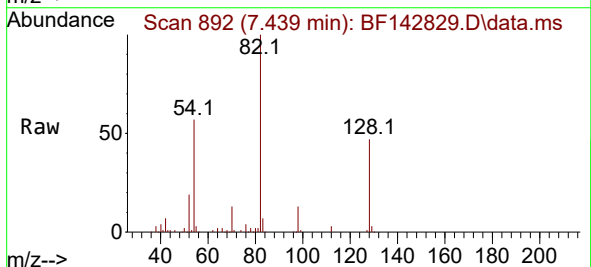
Instrument :
BNA_F
ClientSampleId :
VNJ-207

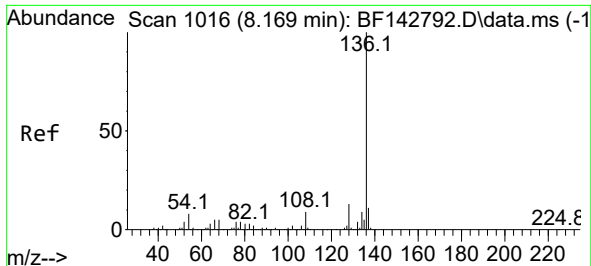
Tgt Ion: 99 Resp: 121217
Ion Ratio Lower Upper
99 100
42 19.4 15.9 23.9
71 33.5 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 3.299 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.147 min
Lab File: BF142829.D
Acq: 24 Jun 2025 20:07

Tgt Ion: 70 Resp: 9385
Ion Ratio Lower Upper
70 100
42 55.1 52.1 78.1
101 0.0 8.2 12.2#
130 2.9 18.2 27.2#

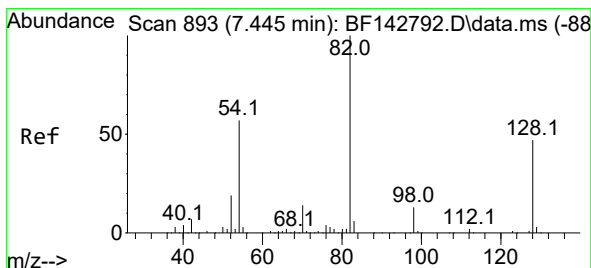
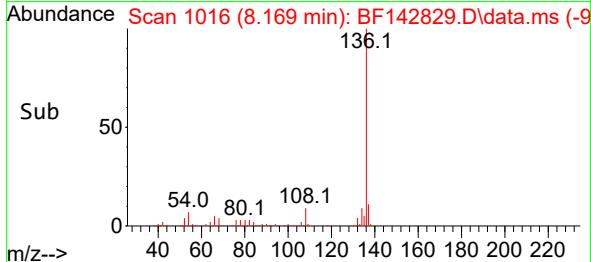
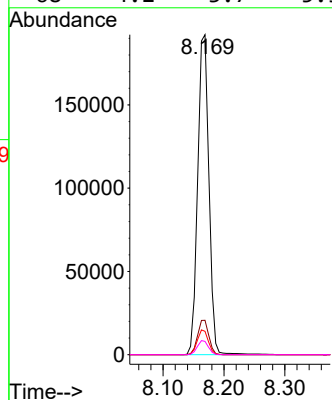
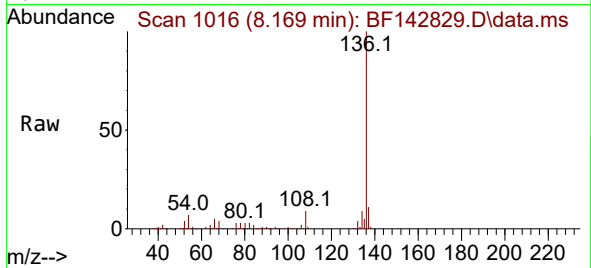




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1016
Delta R.T. 0.000 min
Lab File: BF142829.D
Acq: 24 Jun 2025 20:07

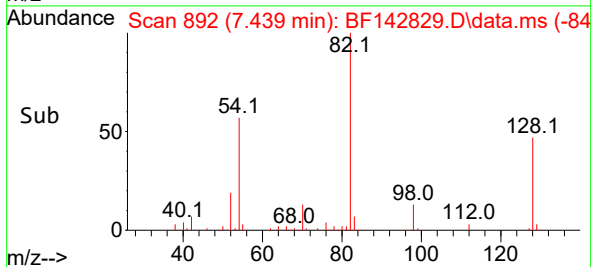
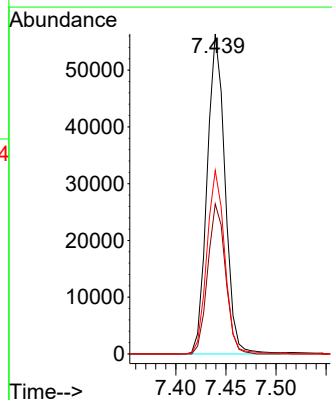
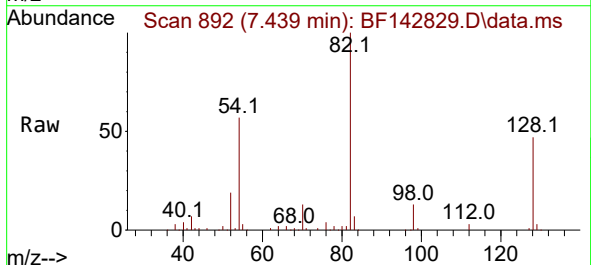
Instrument :
BNA_F
ClientSampleId :
VNJ-207

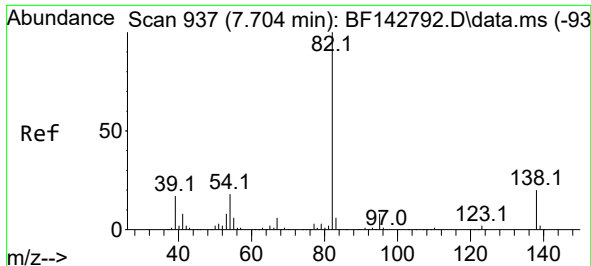
Tgt Ion:136 Resp: 246519
Ion Ratio Lower Upper
136 100
137 10.7 8.4 12.6
54 7.3 6.3 9.5
68 4.2 3.7 5.5



#23
Nitrobenzene-d5
Concen: 15.609 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF142829.D
Acq: 24 Jun 2025 20:07

Tgt Ion: 82 Resp: 70151
Ion Ratio Lower Upper
82 100
128 46.9 37.7 56.5
54 57.4 45.7 68.5

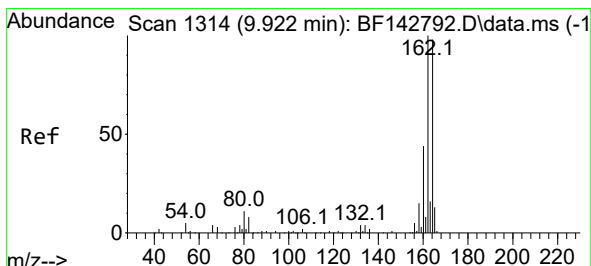
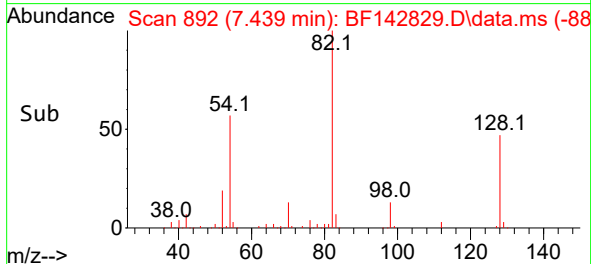
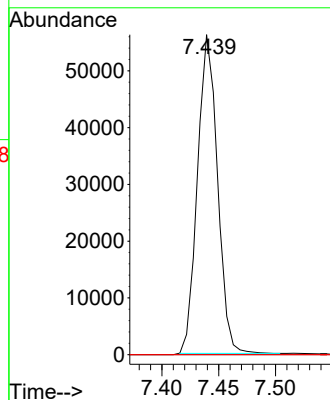
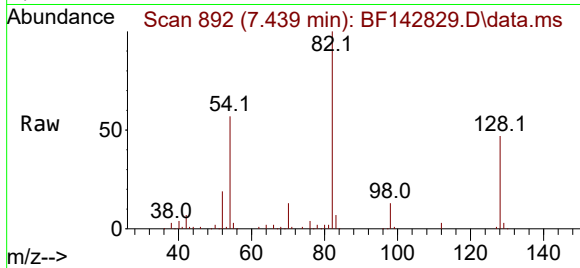




#25
Isophorone
Concen: 9.549 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.265 min
Lab File: BF142829.D
Acq: 24 Jun 2025 20:07

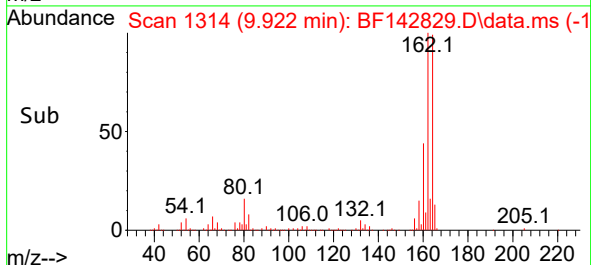
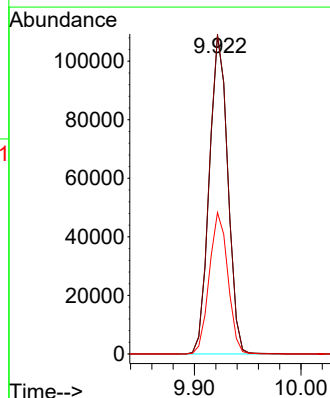
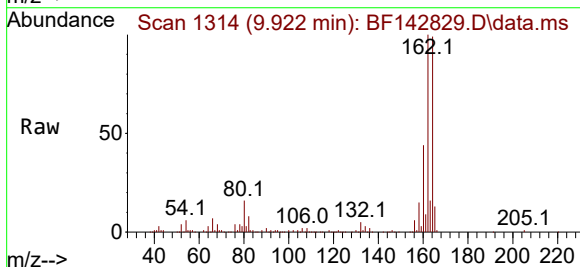
Instrument :
BNA_F
ClientSampleId :
VNJ-207

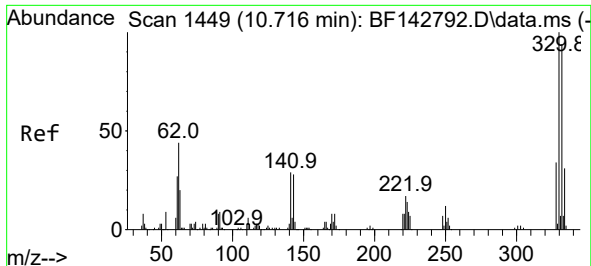
Tgt Ion: 82 Resp: 68848
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. 0.000 min
Lab File: BF142829.D
Acq: 24 Jun 2025 20:07

Tgt Ion: 164 Resp: 131375
Ion Ratio Lower Upper
164 100
162 100.6 81.8 122.8
160 44.5 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 28.004 ng

RT: 10.710 min Scan# 1449

Delta R.T. -0.006 min

Lab File: BF142829.D

Acq: 24 Jun 2025 20:07

Instrument :

BNA_F

ClientSampleId :

VNJ-207

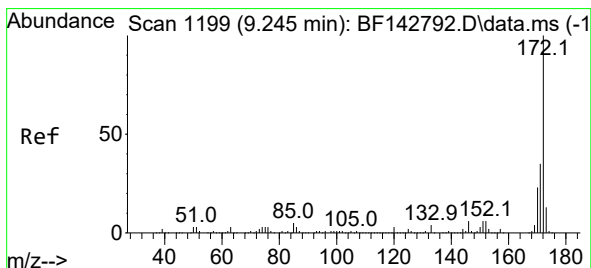
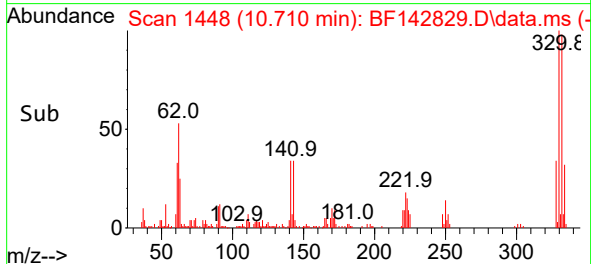
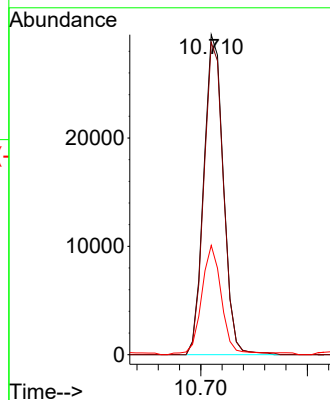
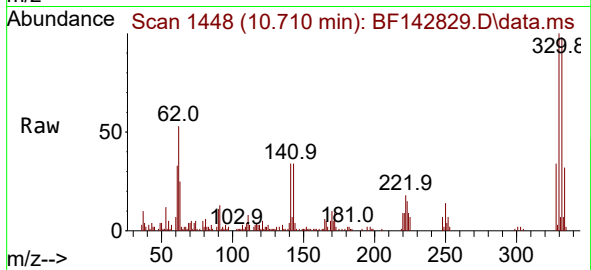
Tgt Ion:330 Resp: 37860

Ion Ratio Lower Upper

330 100

332 97.7 75.0 112.6

141 34.9 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 15.992 ng

RT: 9.239 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BF142829.D

Acq: 24 Jun 2025 20:07

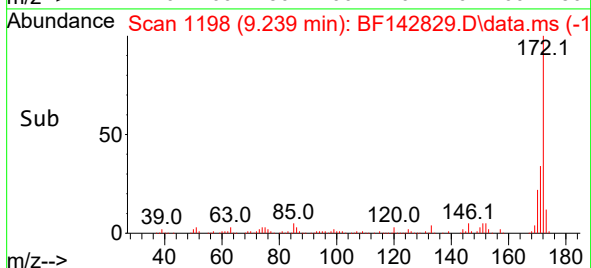
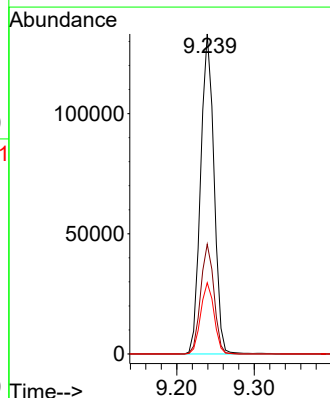
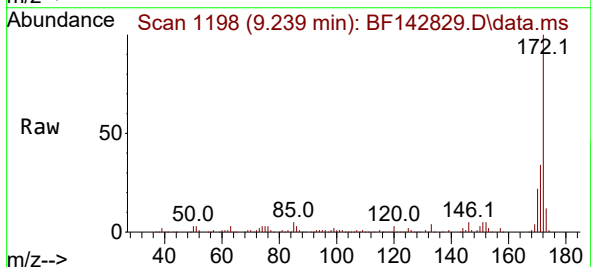
Tgt Ion:172 Resp: 159928

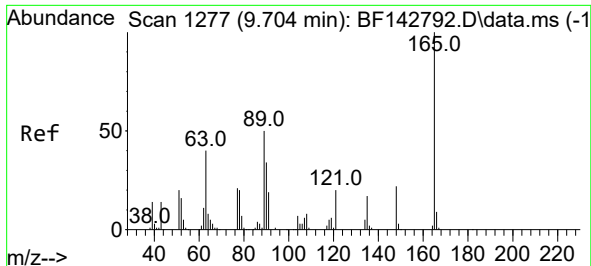
Ion Ratio Lower Upper

172 100

171 34.3 28.2 42.4

170 22.3 18.5 27.7

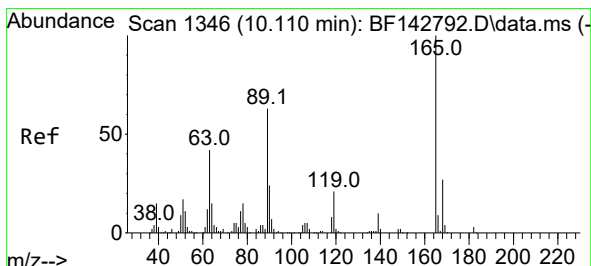
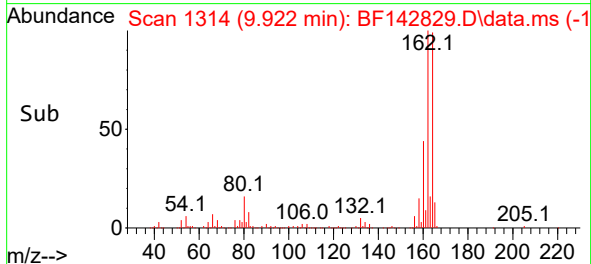
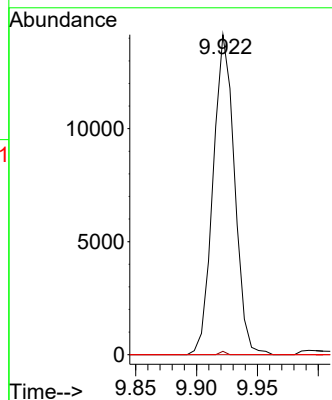
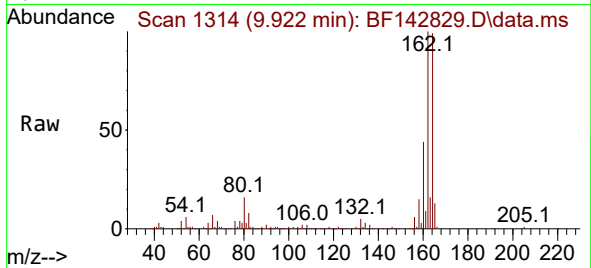




#51
2,6-Dinitrotoluene
Concen: 9.313 ng
RT: 9.922 min Scan# 1314
Delta R.T. 0.218 min
Lab File: BF142829.D
Acq: 24 Jun 2025 20:07

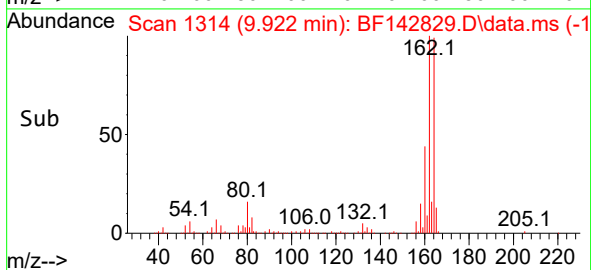
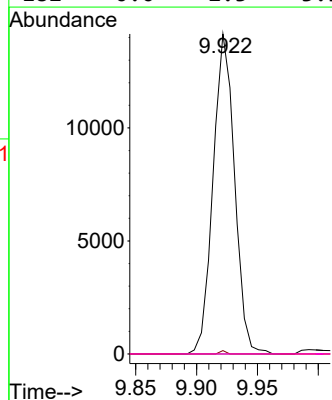
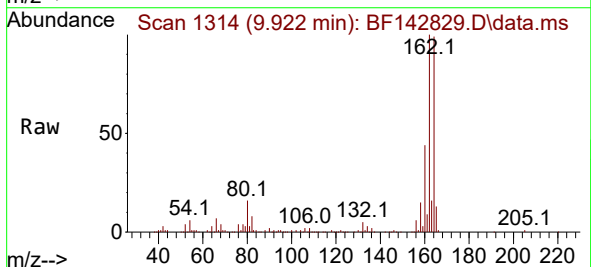
Instrument :
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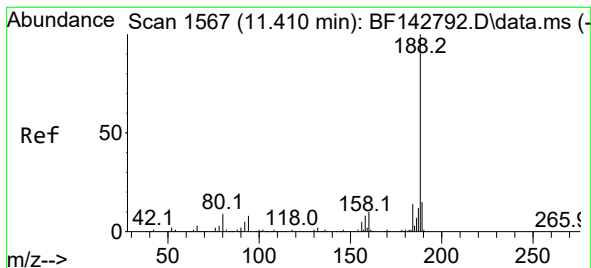
Tgt Ion:165 Resp: 17393
Ion Ratio Lower Upper
165 100
63 1.1 44.2 66.4#
89 0.0 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 7.011 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.188 min
Lab File: BF142829.D
Acq: 24 Jun 2025 20:07

Tgt Ion:165 Resp: 17393
Ion Ratio Lower Upper
165 100
63 1.1 33.9 50.9#
89 0.0 50.6 75.8#
182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF142829.D

Acq: 24 Jun 2025 20:07

Instrument :

BNA_F

ClientSampleId :

VNJ-207

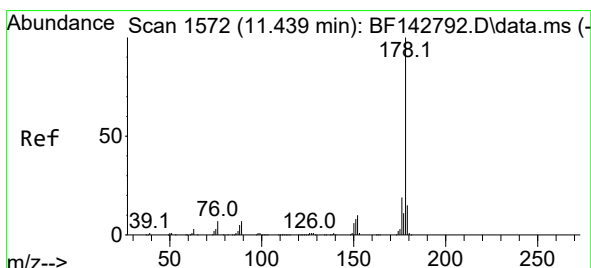
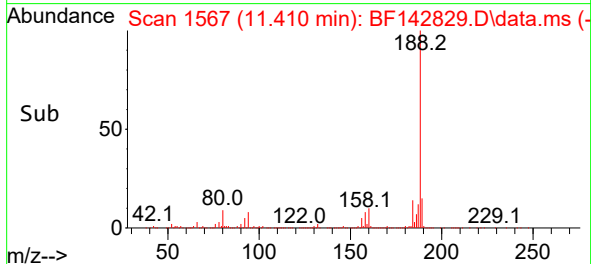
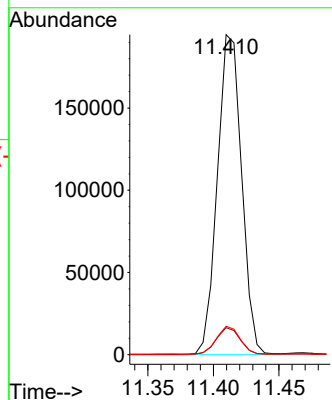
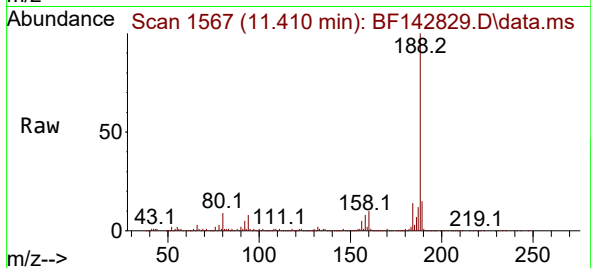
Tgt Ion:188 Resp: 250374

Ion Ratio Lower Upper

188 100

94 8.4 6.7 10.1

80 8.9 6.9 10.3



#71

Phenanthrene

Concen: 3.062 ng

RT: 11.433 min Scan# 1571

Delta R.T. -0.006 min

Lab File: BF142829.D

Acq: 24 Jun 2025 20:07

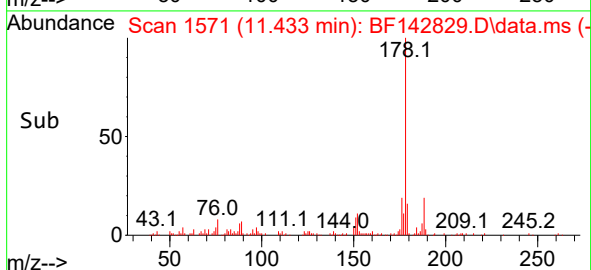
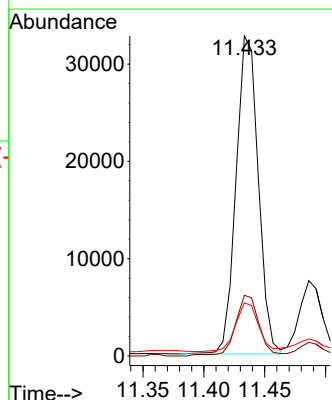
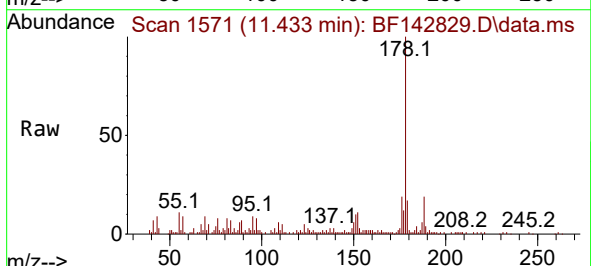
Tgt Ion:178 Resp: 41523

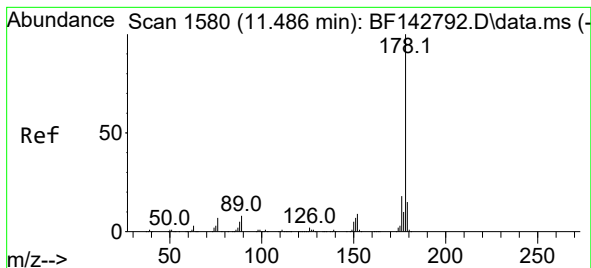
Ion Ratio Lower Upper

178 100

176 19.0 15.1 22.7

179 16.6 12.0 18.0





#72

Anthracene

Concen: 2.985 ng

RT: 11.433 min Scan# 1

Delta R.T. -0.053 min

Lab File: BF142829.D

Acq: 24 Jun 2025 20:07

Instrument :

BNA_F

ClientSampleId :

VNJ-207

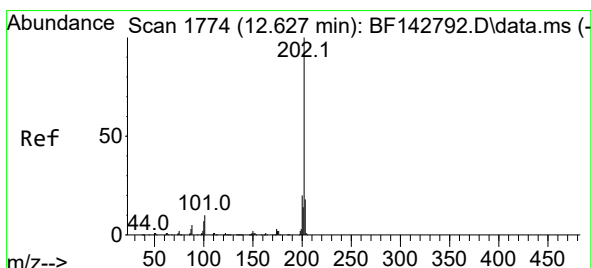
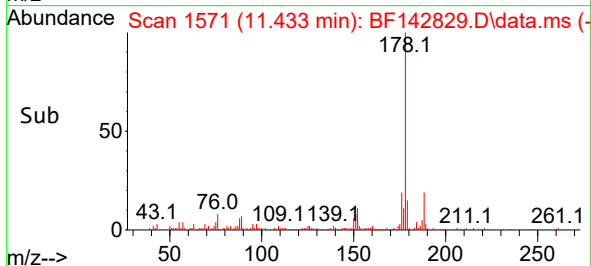
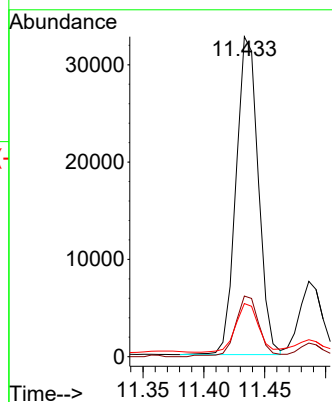
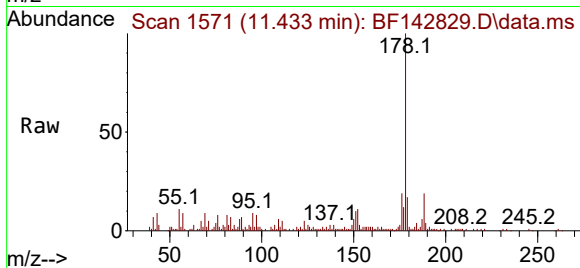
Tgt Ion:178 Resp: 41523

Ion Ratio Lower Upper

178 100

176 19.0 14.6 21.8

179 16.6 12.4 18.6



#75

Fluoranthene

Concen: 9.731 ng

RT: 12.627 min Scan# 1774

Delta R.T. 0.000 min

Lab File: BF142829.D

Acq: 24 Jun 2025 20:07

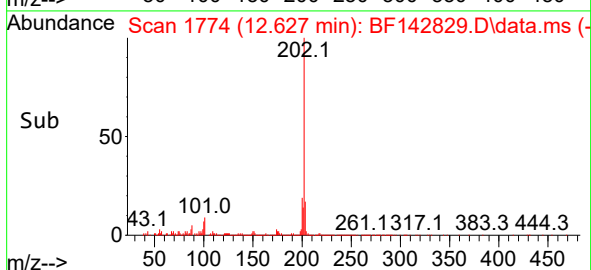
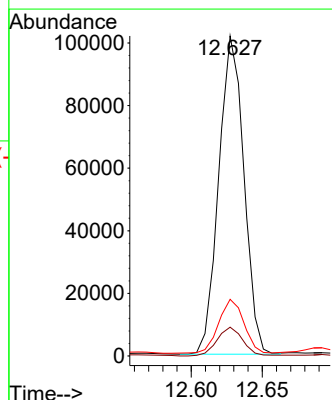
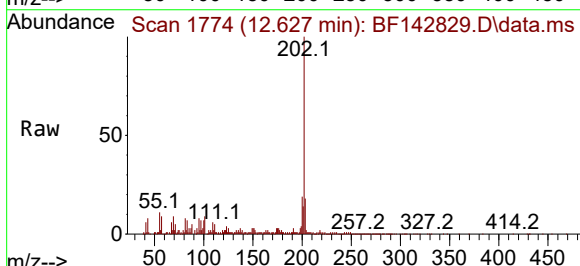
Tgt Ion:202 Resp: 125252

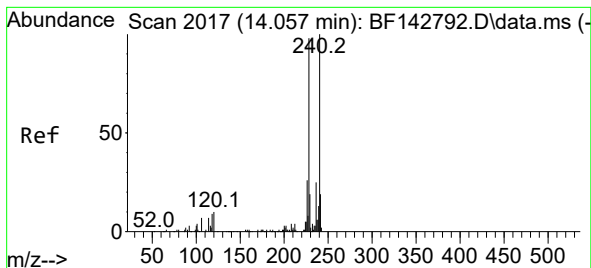
Ion Ratio Lower Upper

202 100

101 9.0 0.0 29.7

203 17.7 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2017

Delta R.T. 0.000 min

Lab File: BF142829.D

Acq: 24 Jun 2025 20:07

Instrument :

BNA_F

ClientSampleId :

VNJ-207

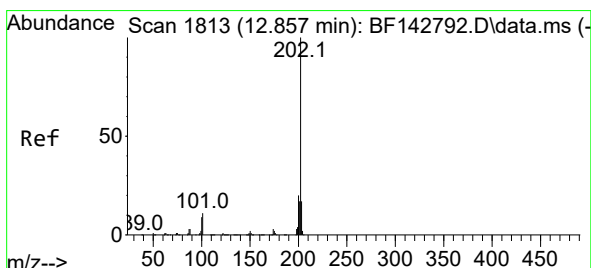
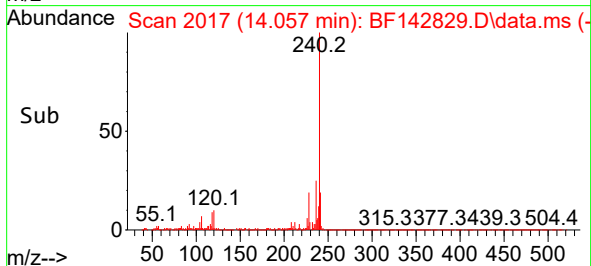
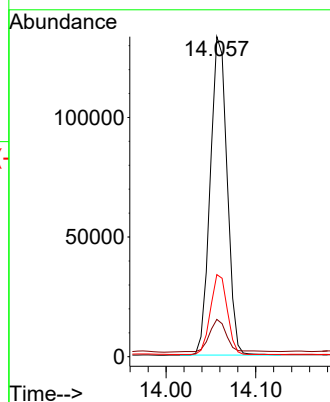
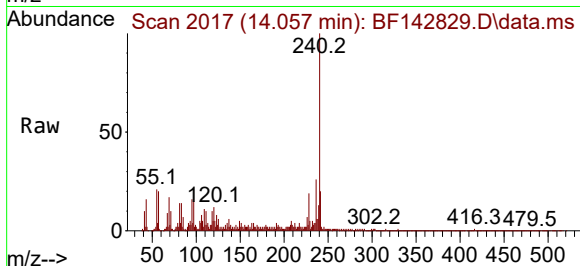
Tgt Ion:240 Resp: 173991

Ion Ratio Lower Upper

240 100

120 11.7 8.2 12.2

236 25.7 19.8 29.8



#78

Pyrene

Concen: 7.516 ng

RT: 12.857 min Scan# 1813

Delta R.T. 0.000 min

Lab File: BF142829.D

Acq: 24 Jun 2025 20:07

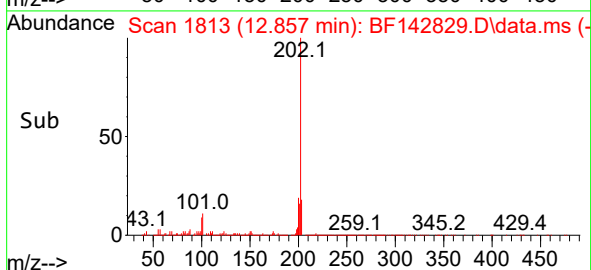
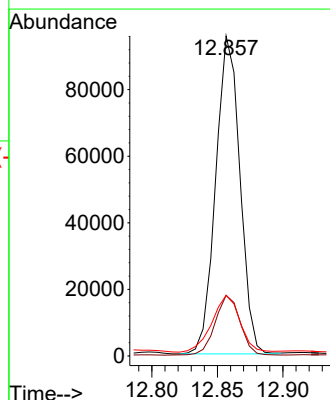
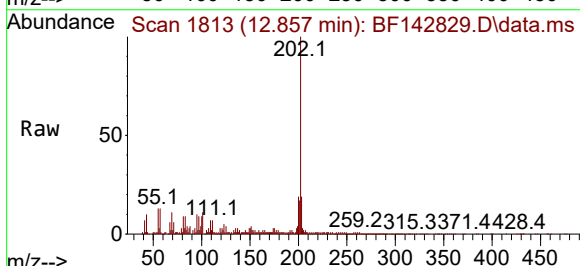
Tgt Ion:202 Resp: 122573

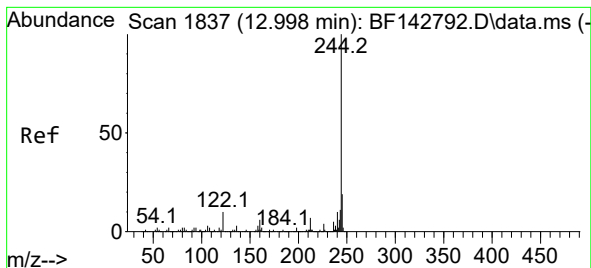
Ion Ratio Lower Upper

202 100

200 19.0 15.7 23.5

203 19.0 13.8 20.6





#79

Terphenyl-d14

Concen: 15.361 ng

RT: 12.998 min Scan# 1837

Delta R.T. -0.000 min

Lab File: BF142829.D

Acq: 24 Jun 2025 20:07

Instrument :

BNA_F

ClientSampleId :

VNJ-207

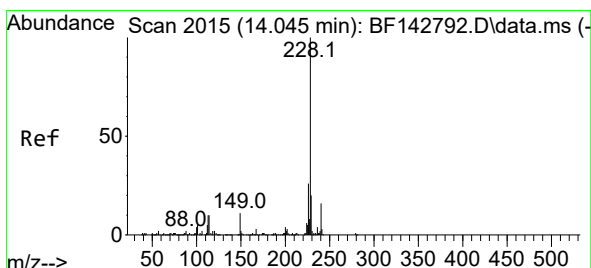
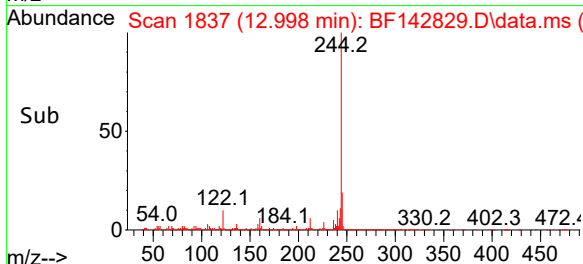
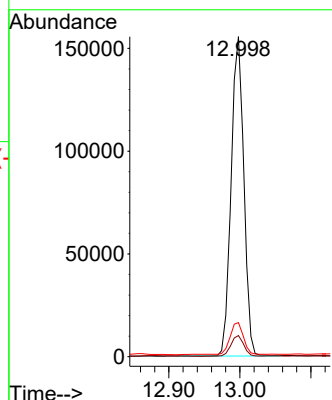
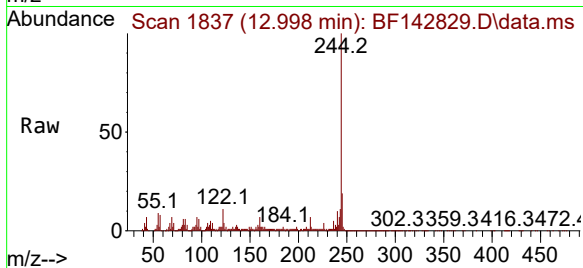
Tgt Ion:244 Resp: 193435

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

122 10.6 8.2 12.2



#81

Benzo(a)anthracene

Concen: 4.197 ng

RT: 14.051 min Scan# 2016

Delta R.T. 0.006 min

Lab File: BF142829.D

Acq: 24 Jun 2025 20:07

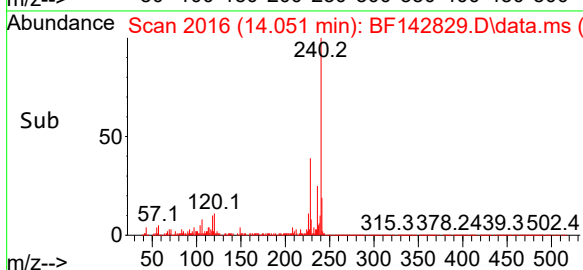
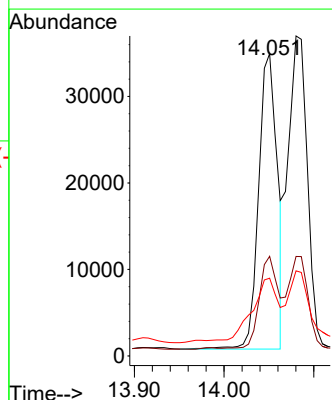
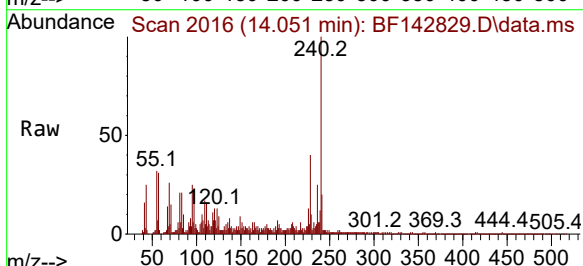
Tgt Ion:228 Resp: 49264

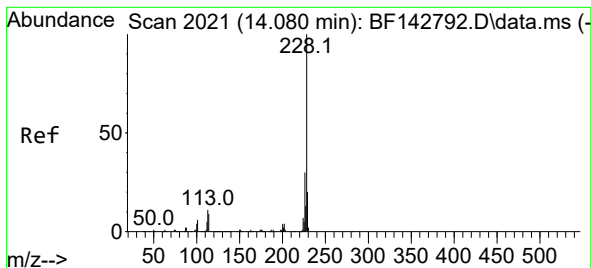
Ion Ratio Lower Upper

228 100

226 33.0 21.2 31.8#

229 25.7 15.6 23.4#





#83

Chrysene

Concen: 5.098 ng

RT: 14.080 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF142829.D

Acq: 24 Jun 2025 20:07

Instrument :

BNA_F

ClientSampleId :

VNJ-207

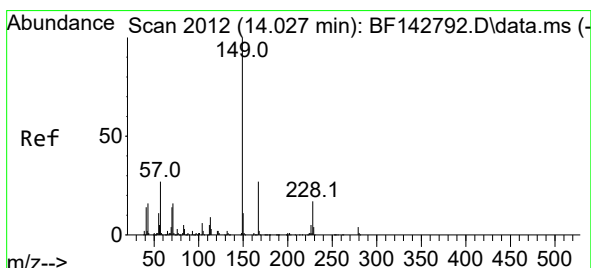
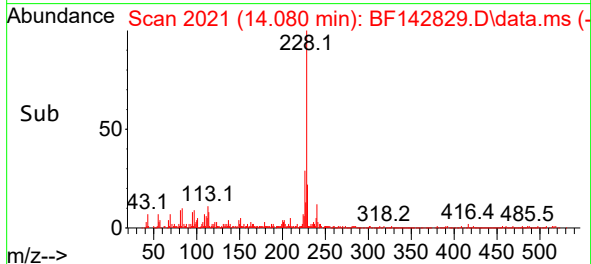
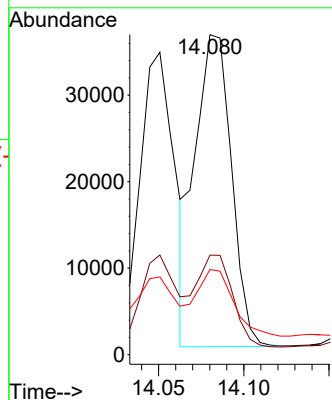
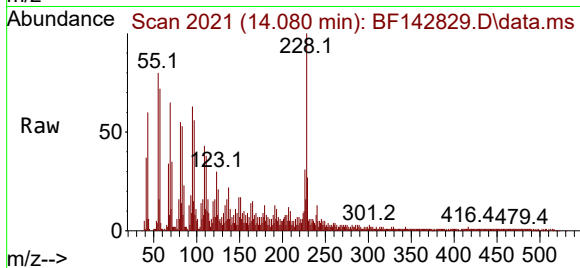
Tgt Ion:228 Resp: 53393

Ion Ratio Lower Upper

228 100

226 31.1 23.7 35.5

229 26.6 15.7 23.5#



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.999 ng

RT: 14.033 min Scan# 2013

Delta R.T. 0.006 min

Lab File: BF142829.D

Acq: 24 Jun 2025 20:07

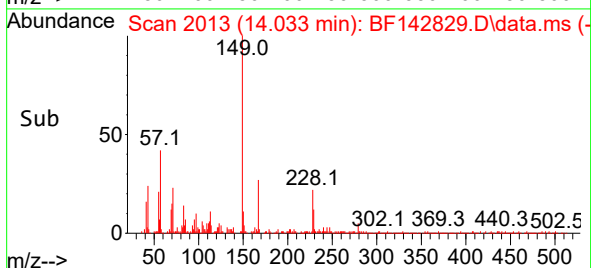
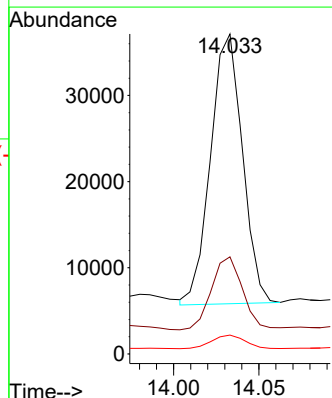
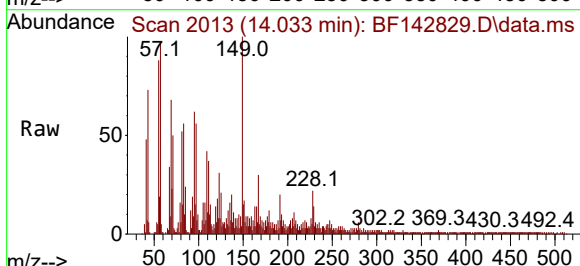
Tgt Ion:149 Resp: 40833

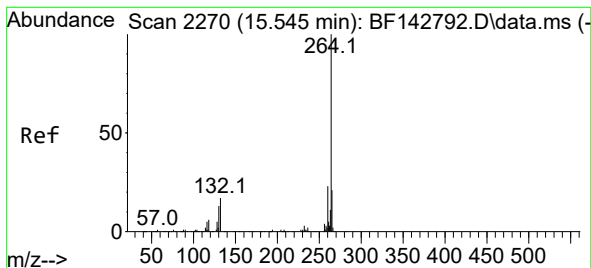
Ion Ratio Lower Upper

149 100

167 30.4 21.4 32.0

279 5.9 3.0 4.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF142829.D

Acq: 24 Jun 2025 20:07

Instrument :

BNA_F

ClientSampleId :

VNJ-207

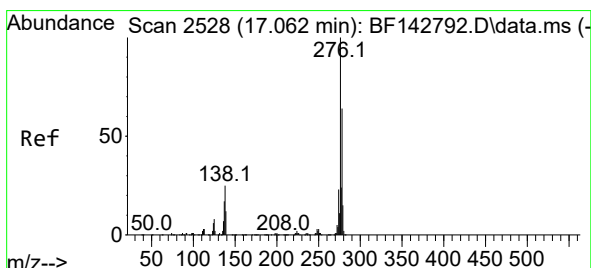
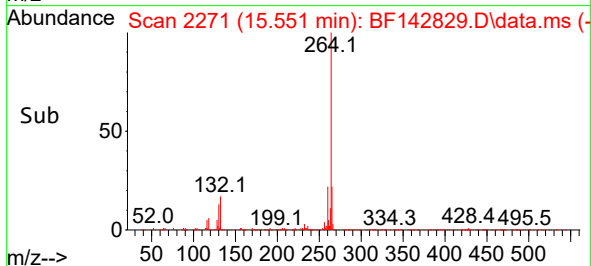
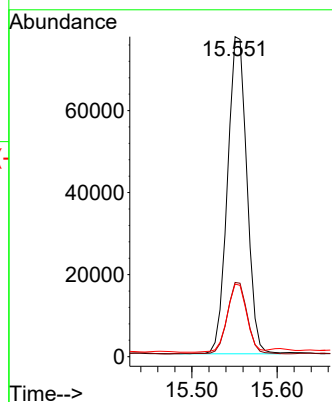
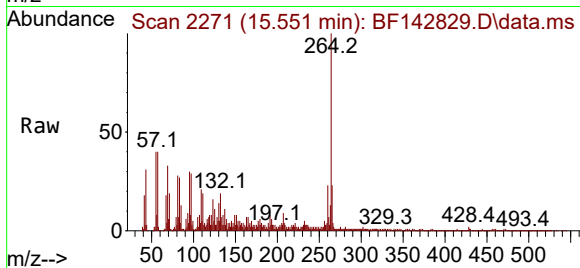
Tgt Ion:264 Resp: 121998

Ion Ratio Lower Upper

264 100

260 23.2 18.1 27.1

265 22.7 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.587 ng

RT: 17.062 min Scan# 2528

Delta R.T. 0.000 min

Lab File: BF142829.D

Acq: 24 Jun 2025 20:07

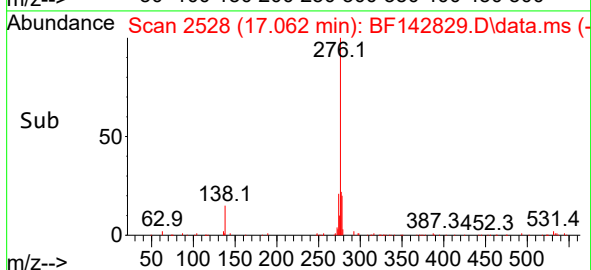
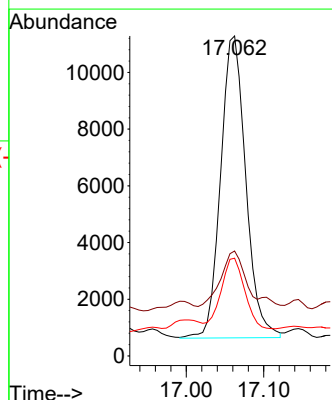
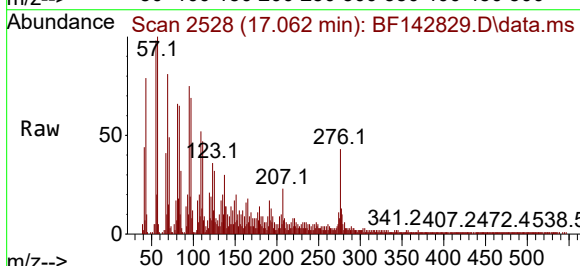
Tgt Ion:276 Resp: 24037

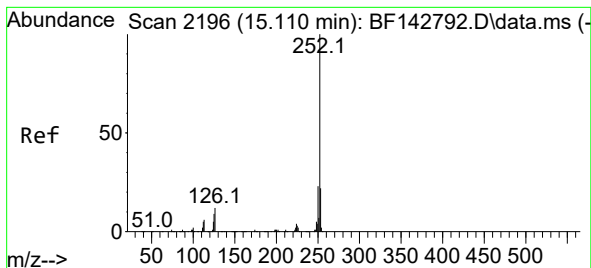
Ion Ratio Lower Upper

276 100

138 17.2 20.2 30.4#

277 21.8 19.8 29.6





#88

Benzo(b)fluoranthene

Concen: 11.301 ng

RT: 15.115 min Scan# 2197

Delta R.T. 0.006 min

Lab File: BF142829.D

Acq: 24 Jun 2025 20:07

Instrument :

BNA_F

ClientSampleId :

VNJ-207

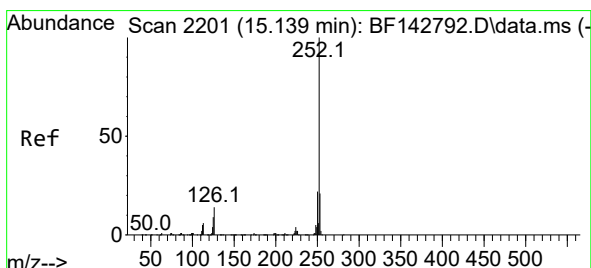
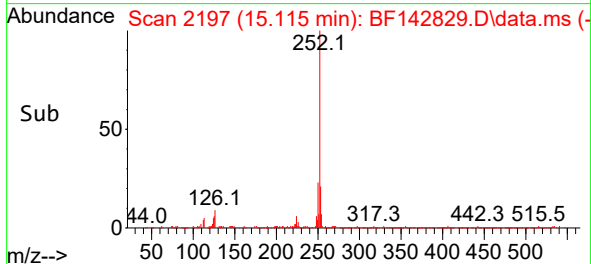
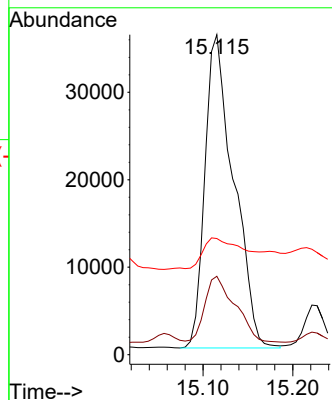
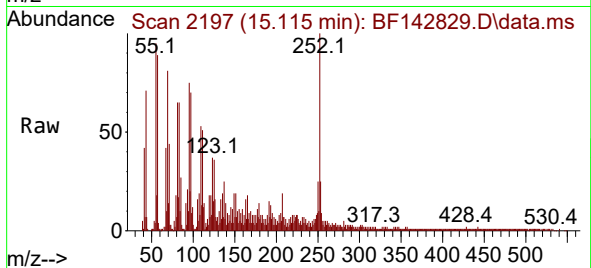
Tgt Ion:252 Resp: 79776

Ion Ratio Lower Upper

252 100

253 24.5 17.5 26.3

125 36.3 7.4 11.0#



#89

Benzo(k)fluoranthene

Concen: 12.079 ng

RT: 15.115 min Scan# 2197

Delta R.T. -0.024 min

Lab File: BF142829.D

Acq: 24 Jun 2025 20:07

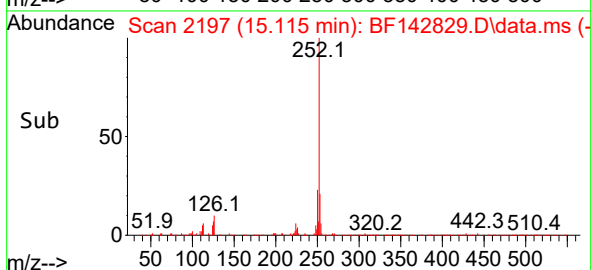
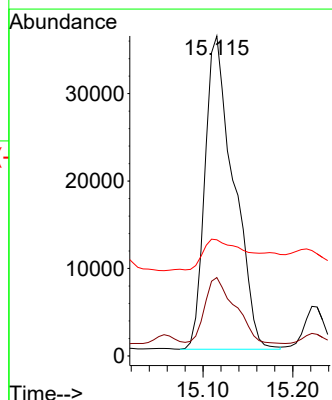
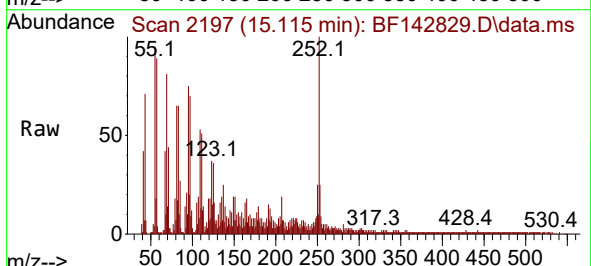
Tgt Ion:252 Resp: 79776

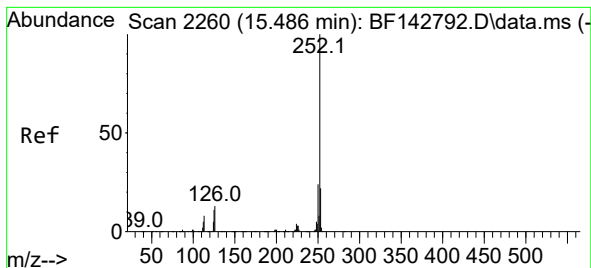
Ion Ratio Lower Upper

252 100

253 24.5 17.2 25.8

125 36.3 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 5.076 ng

RT: 15.486 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF142829.D

Acq: 24 Jun 2025 20:07

Instrument :

BNA_F

ClientSampleId :

VNJ-207

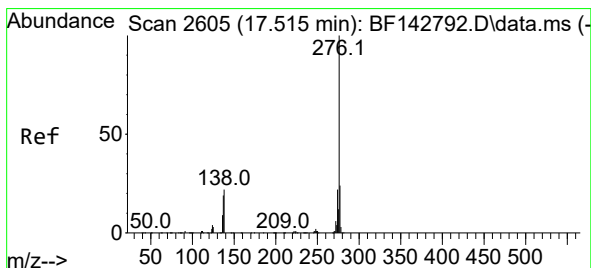
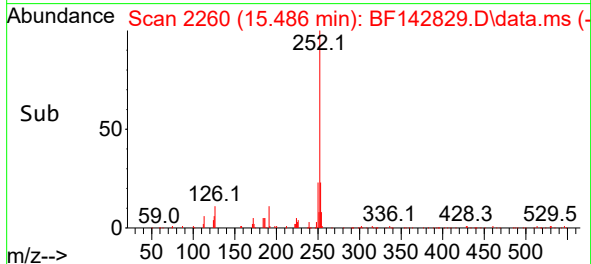
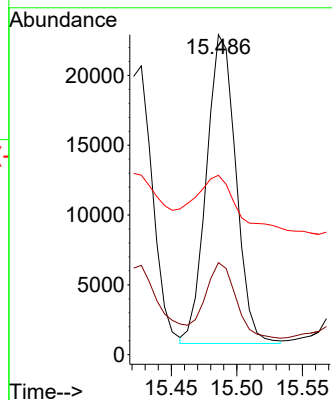
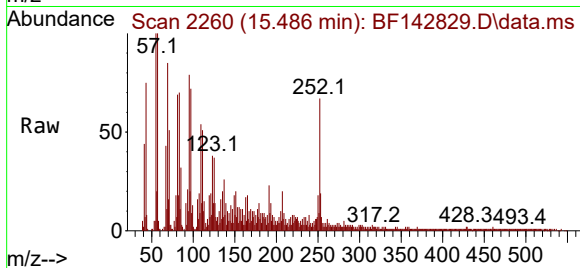
Tgt Ion:252 Resp: 34620

Ion Ratio Lower Upper

252 100

253 28.7 17.5 26.3#

125 56.1 8.6 12.8#



#92

Benzo(g,h,i)perylene

Concen: 3.290 ng

RT: 17.521 min Scan# 2606

Delta R.T. 0.006 min

Lab File: BF142829.D

Acq: 24 Jun 2025 20:07

Tgt Ion:276 Resp: 24770

Ion Ratio Lower Upper

276 100

277 31.0 18.8 28.2#

138 34.6 17.6 26.4#

