

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022625\
 Data File : BF141789.D
 Acq On : 26 Feb 2025 18:25
 Operator : RC/JU
 Sample : Q1427-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-227

Quant Time: Feb 27 00:05:41 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

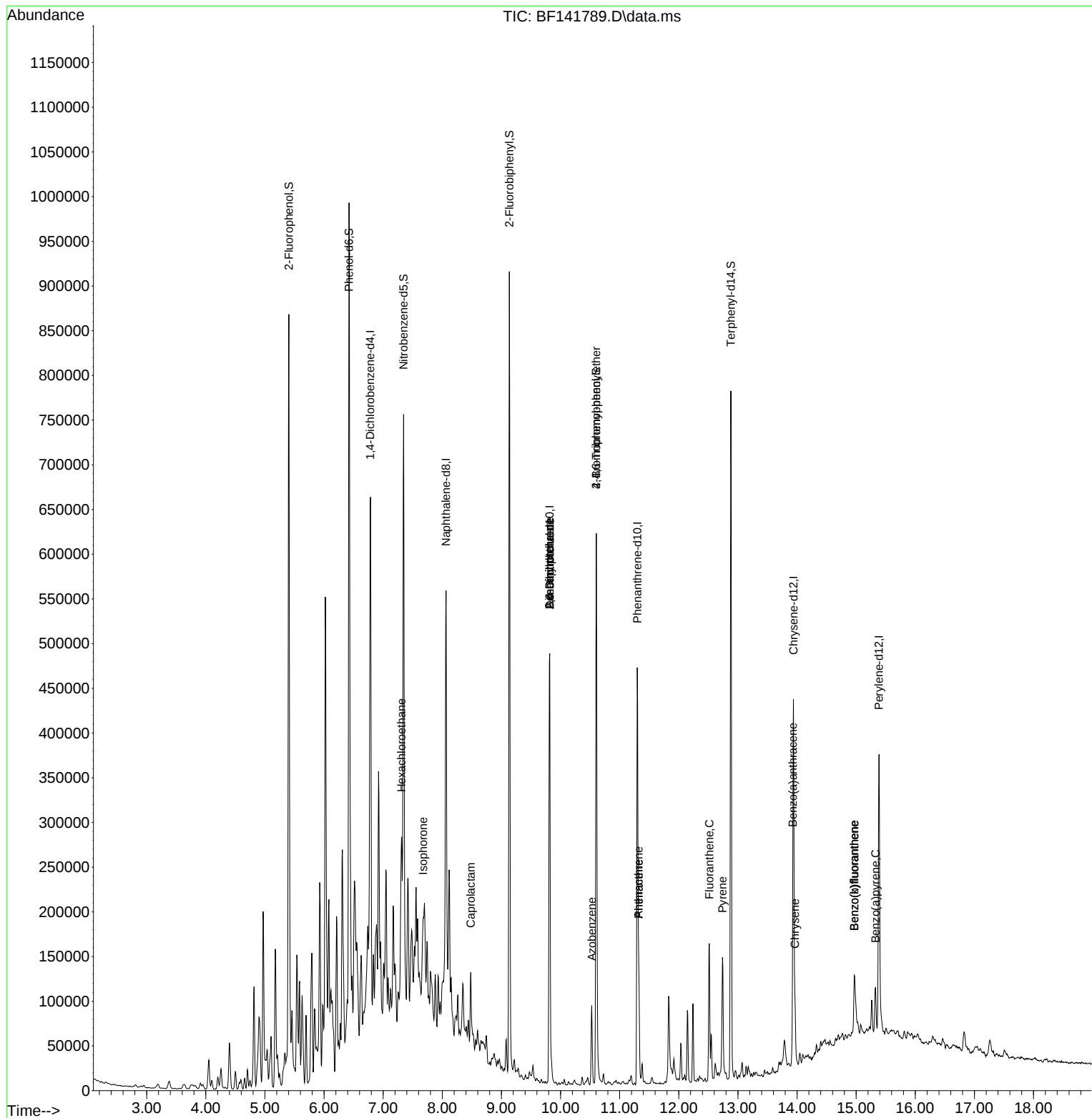
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	74639	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	294127	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	158081	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	260149	20.000	ng	-0.02
76) Chrysene-d12	13.939	240	182322	20.000	ng	-0.02
86) Perylene-d12	15.386	264	185841	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	367231	77.134	ng	0.00
7) Phenol-d6	6.422	99	454260	75.491	ng	-0.02
23) Nitrobenzene-d5	7.345	82	259369	45.995	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	110562	69.624	ng	-0.02
45) 2-Fluorobiphenyl	9.134	172	408967	39.858	ng	-0.02
79) Terphenyl-d14	12.880	244	383044	35.467	ng	-0.02
Target Compounds						
						Qvalue
18) Hexachloroethane	7.310	117	6366	3.100	ng	# 1
25) Isophorone	7.675	82	21363	2.376	ng	# 54
35) Caprolactam	8.481	113	3355	2.552	ng	# 25
50) Dimethylphthalate	9.816	163	23508	2.191	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	20462	8.722	ng	# 22
57) 2,4-Dinitrotoluene	9.816	165	20462	6.552	ng	# 18
63) Azobenzene	10.528	77	22484	2.142	ng	# 1
67) 4-Bromophenyl-phenylether	10.604	248	7582	2.608	ng	# 1
71) Phenanthrene	11.322	178	62820	4.387	ng	98
72) Anthracene	11.322	178	62820	4.364	ng	99
75) Fluoranthene	12.516	202	97146	6.399	ng	98
78) Pyrene	12.739	202	81150	5.229	ng	98
81) Benzo(a)anthracene	13.927	228	39991	3.300	ng	96
83) Chrysene	13.963	228	35426	3.166	ng	97
88) Benzo(b)fluoranthene	14.969	252	59686	4.783	ng	# 94
89) Benzo(k)fluoranthene	14.969	252	59668	5.600	ng	96
90) Benzo(a)pyrene	15.327	252	30587	3.029	ng	# 91

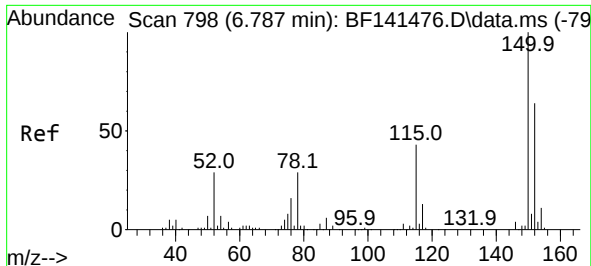
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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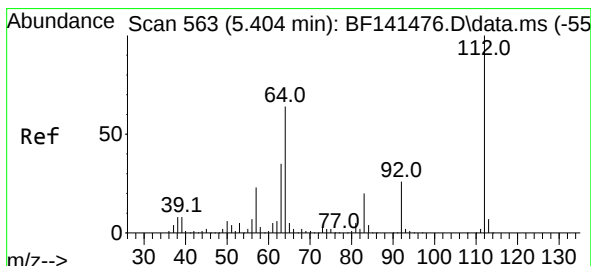
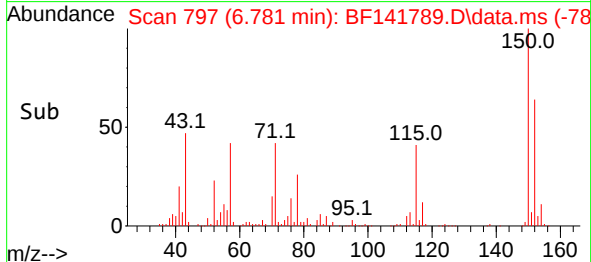
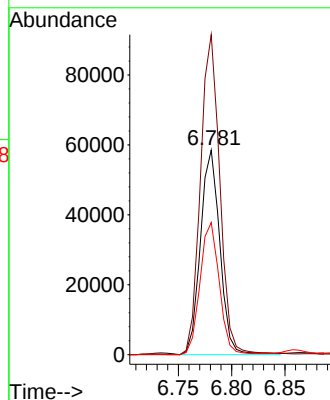
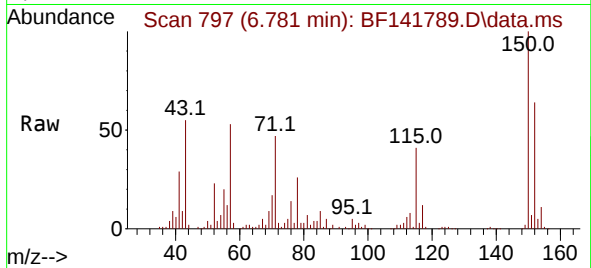




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF141789.D
Acq: 26 Feb 2025 18:25

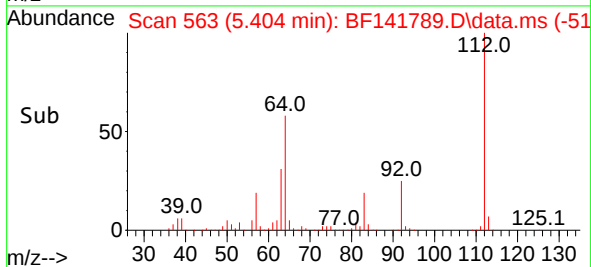
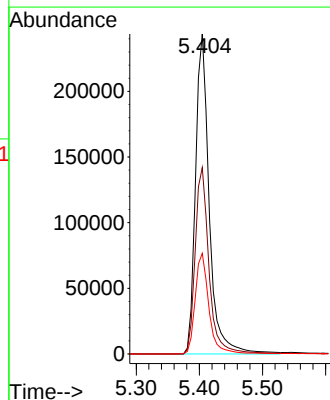
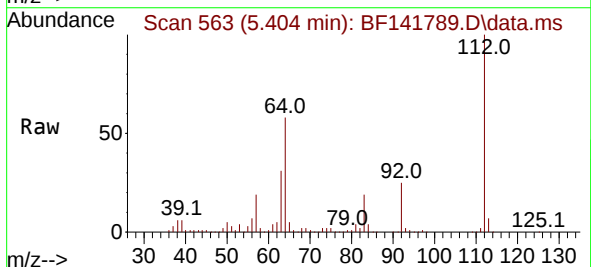
Instrument :
BNA_F
ClientSampleId :
VNJ-227

Tgt Ion:152 Resp: 74639
Ion Ratio Lower Upper
152 100
150 156.3 125.0 187.4
115 64.6 53.6 80.4



#5
2-Fluorophenol
Concen: 77.134 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141789.D
Acq: 26 Feb 2025 18:25

Tgt Ion:112 Resp: 367231
Ion Ratio Lower Upper
112 100
64 58.3 51.1 76.7
63 31.5 28.4 42.6

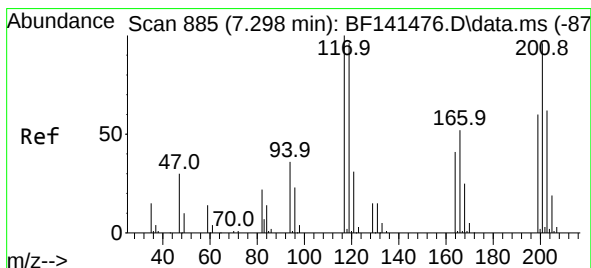
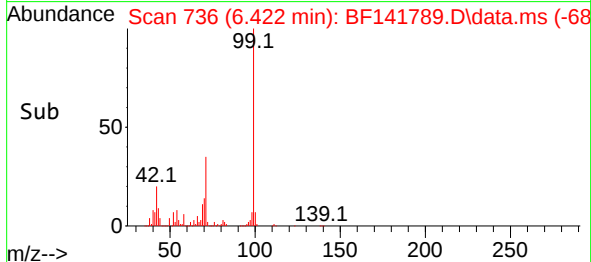
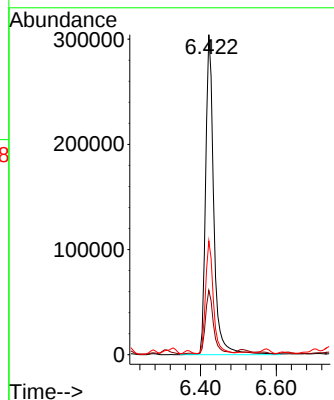
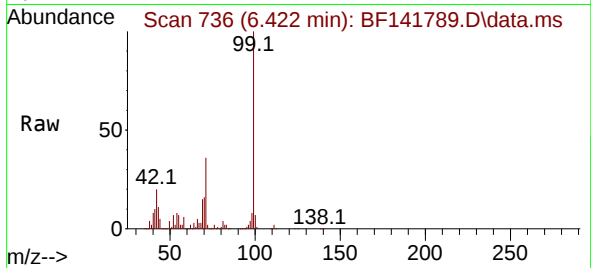




#7
Phenol-d6
Concen: 75.491 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF141789.D
Acq: 26 Feb 2025 18:25

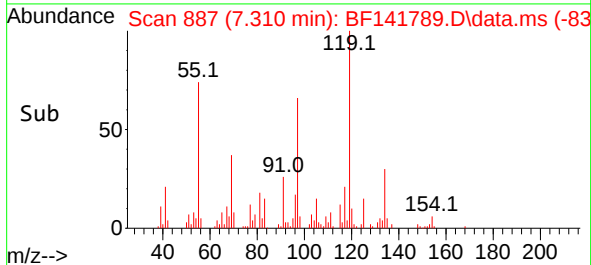
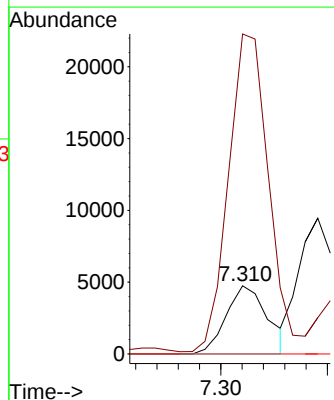
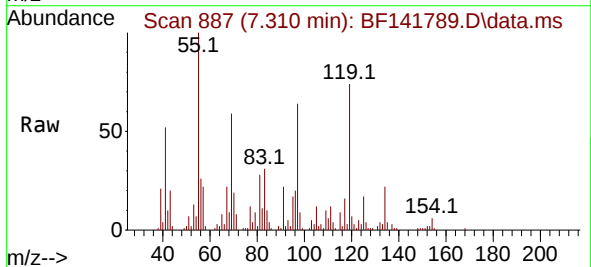
Instrument :
BNA_F
ClientSampleId :
VNJ-227

Tgt Ion: 99 Resp: 454260
Ion Ratio Lower Upper
99 100
42 20.1 19.1 28.7
71 35.6 31.1 46.7



#18
Hexachloroethane
Concen: 3.100 ng
RT: 7.310 min Scan# 887
Delta R.T. 0.006 min
Lab File: BF141789.D
Acq: 26 Feb 2025 18:25

Tgt Ion: 117 Resp: 6366
Ion Ratio Lower Upper
117 100
119 470.0 76.5 114.7#
201 0.0 76.7 115.1#

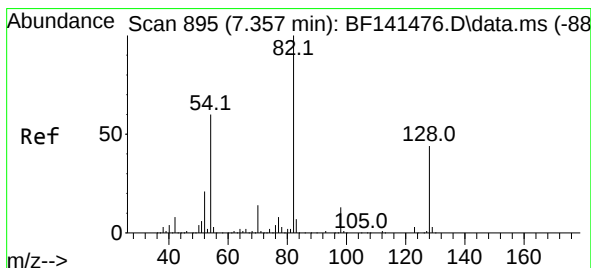
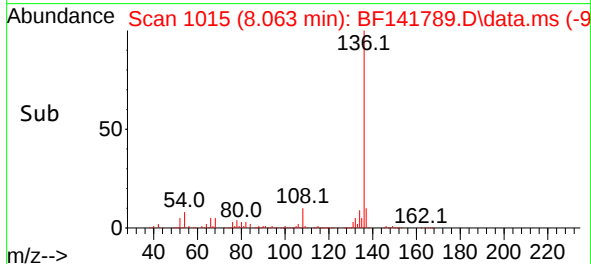
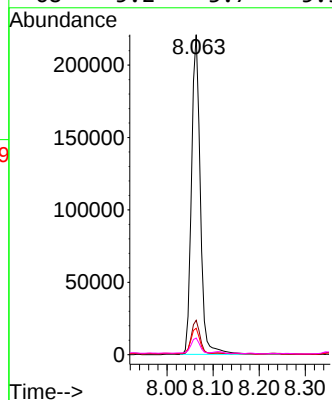
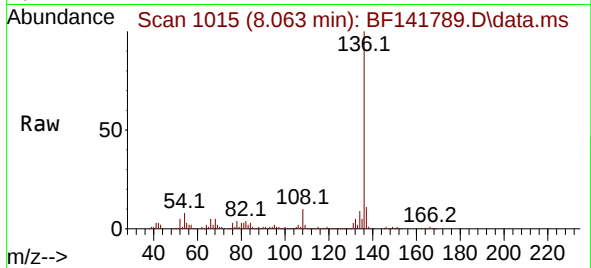




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141789.D
Acq: 26 Feb 2025 18:25

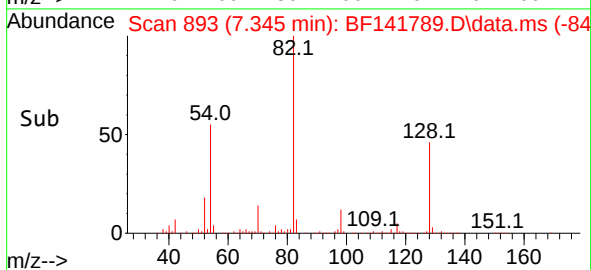
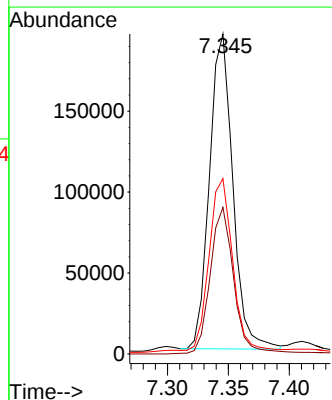
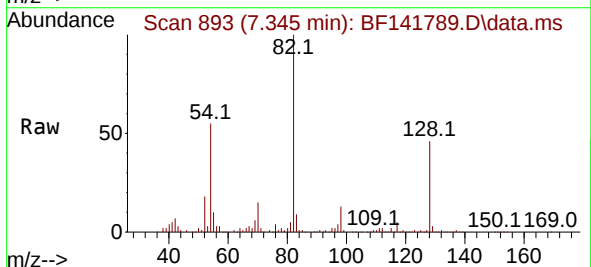
Instrument :
BNA_F
ClientSampleId :
VNJ-227

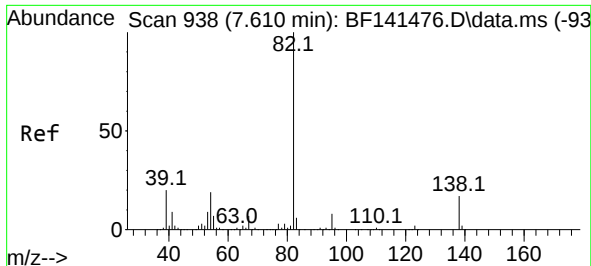
Tgt Ion:136 Resp: 294127
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.3 7.2 10.8
68 5.2 3.7 5.5



#23
Nitrobenzene-d5
Concen: 45.995 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.017 min
Lab File: BF141789.D
Acq: 26 Feb 2025 18:25

Tgt Ion: 82 Resp: 259369
Ion Ratio Lower Upper
82 100
128 45.8 34.8 52.2
54 54.8 48.2 72.4

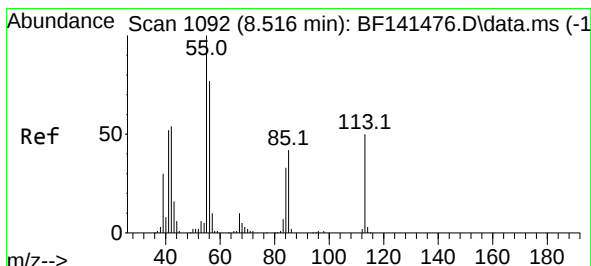
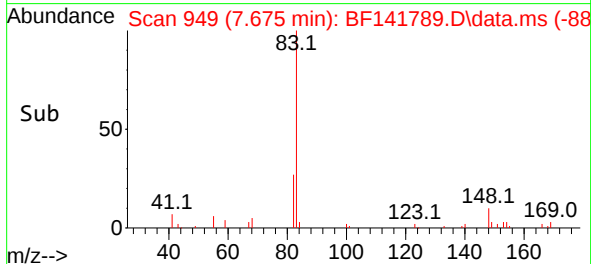
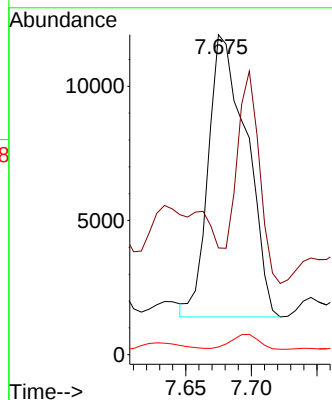
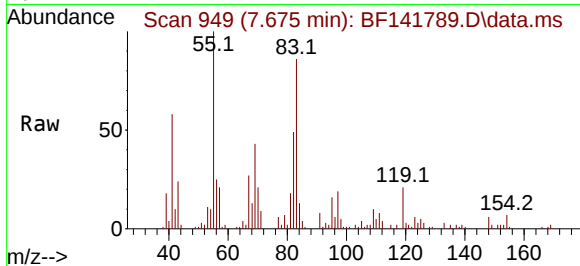




#25
Isophorone
Concen: 2.376 ng
RT: 7.675 min Scan# 94
Delta R.T. 0.053 min
Lab File: BF141789.D
Acq: 26 Feb 2025 18:25

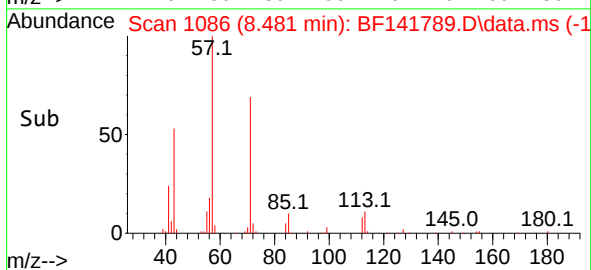
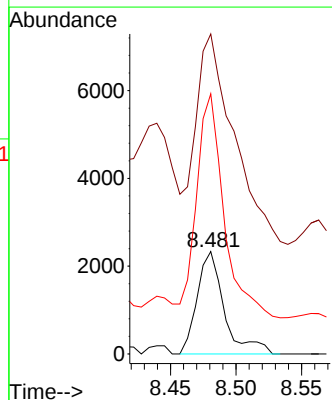
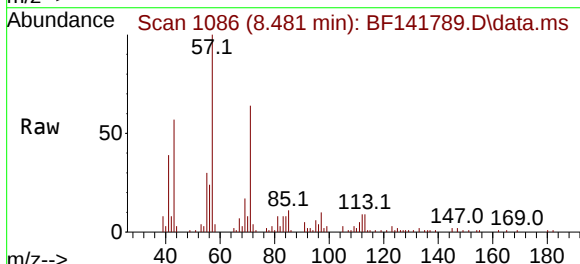
Instrument :
BNA_F
ClientSampleId :
VNJ-227

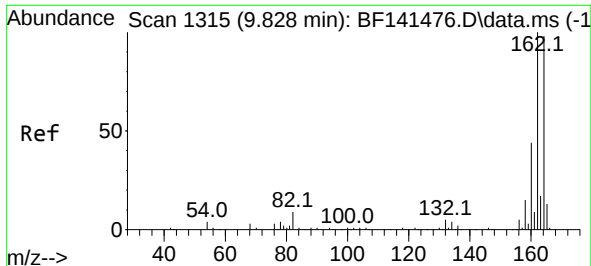
Tgt Ion: 82 Resp: 21363
Ion Ratio Lower Upper
82 100
95 33.4 6.4 9.6#
138 2.4 13.9 20.9#



#35
Caprolactam
Concen: 2.552 ng
RT: 8.481 min Scan# 1086
Delta R.T. -0.064 min
Lab File: BF141789.D
Acq: 26 Feb 2025 18:25

Tgt Ion: 113 Resp: 3355
Ion Ratio Lower Upper
113 100
55 312.3 180.8 220.8#
56 253.9 133.6 173.6#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.816 min Scan# 1

Delta R.T. -0.017 min

Lab File: BF141789.D

Acq: 26 Feb 2025 18:25

Instrument :

BNA_F

ClientSampleId :

VNJ-227

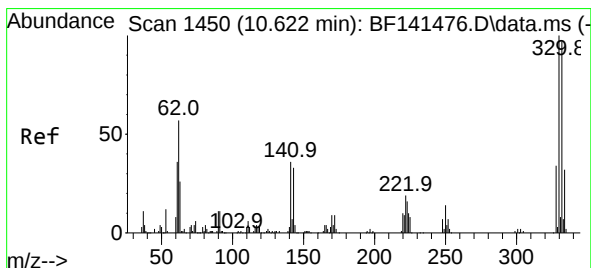
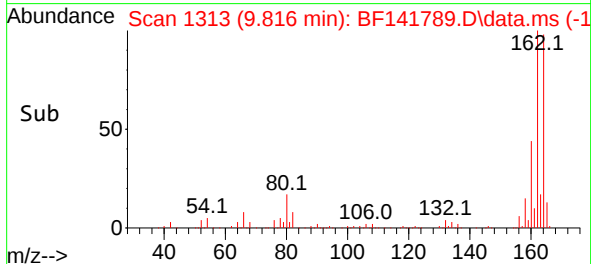
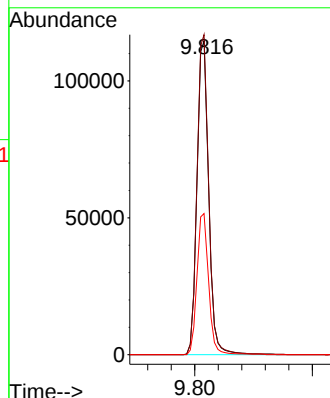
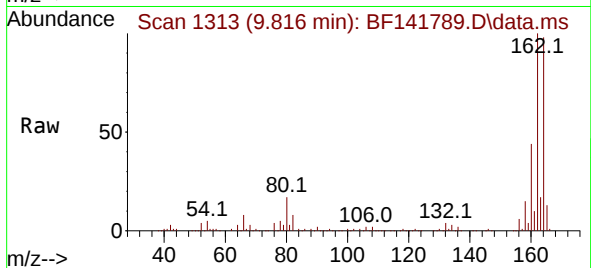
Tgt Ion:164 Resp: 158081

Ion Ratio Lower Upper

164 100

162 102.0 81.3 121.9

160 45.0 35.9 53.9



#42

2,4,6-Tribromophenol

Concen: 69.624 ng

RT: 10.604 min Scan# 1447

Delta R.T. -0.023 min

Lab File: BF141789.D

Acq: 26 Feb 2025 18:25

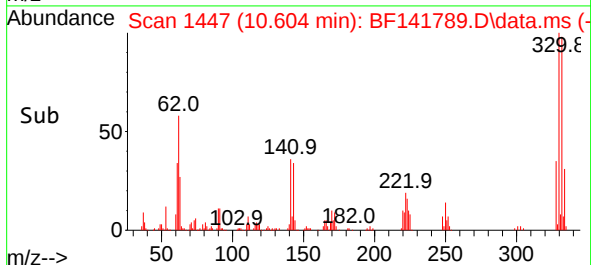
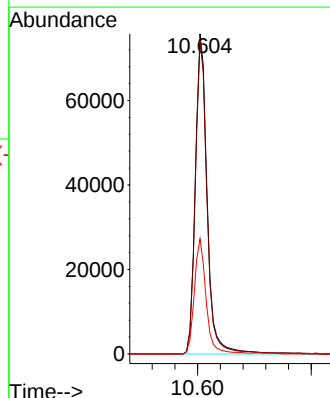
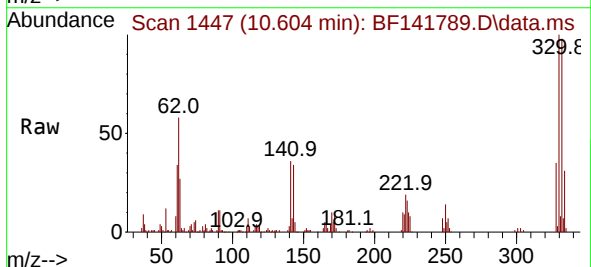
Tgt Ion:330 Resp: 110562

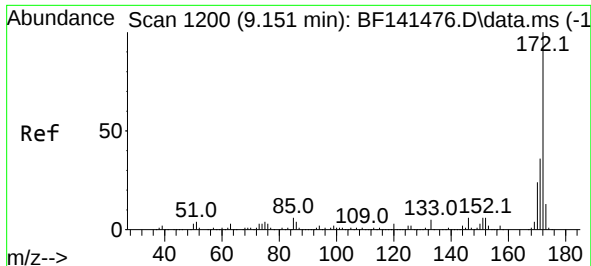
Ion Ratio Lower Upper

330 100

332 96.7 78.5 117.7

141 35.5 31.0 46.4





#45

2-Fluorobiphenyl

Concen: 39.858 ng

RT: 9.134 min Scan# 1197

Delta R.T. -0.017 min

Lab File: BF141789.D

Acq: 26 Feb 2025 18:25

Instrument :

BNA_F

ClientSampleId :

VNJ-227

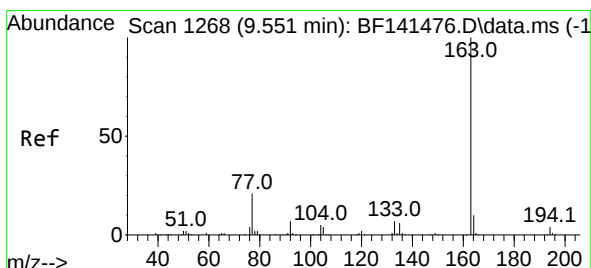
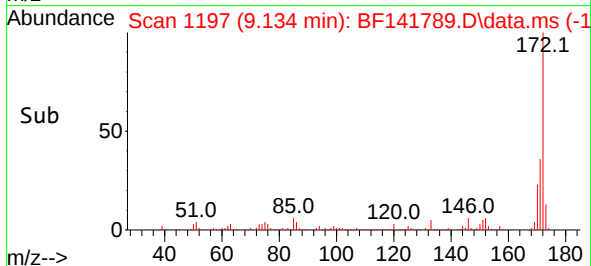
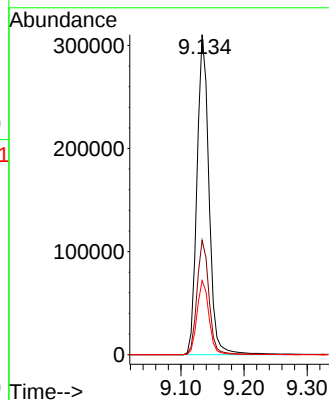
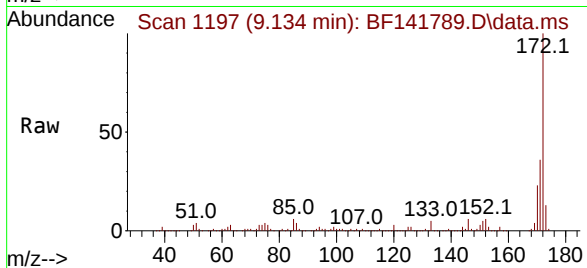
Tgt Ion:172 Resp: 408967

Ion Ratio Lower Upper

172 100

171 35.7 28.7 43.1

170 23.1 18.9 28.3



#50

Dimethylphthalate

Concen: 2.191 ng

RT: 9.816 min Scan# 1313

Delta R.T. 0.253 min

Lab File: BF141789.D

Acq: 26 Feb 2025 18:25

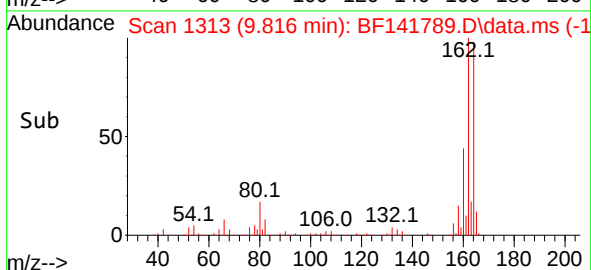
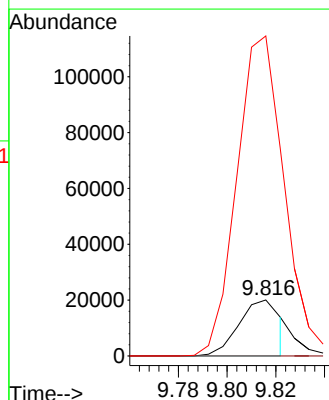
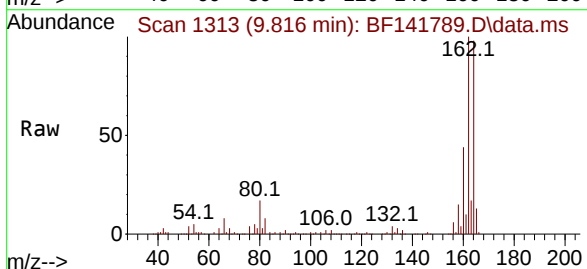
Tgt Ion:163 Resp: 23508

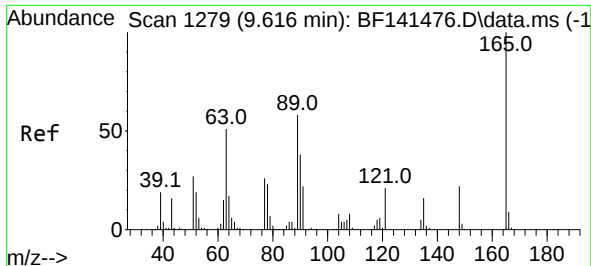
Ion Ratio Lower Upper

163 100

194 0.0 3.0 4.4#

164 571.8 7.9 11.9#





#51

2,6-Dinitrotoluene

Concen: 8.722 ng

RT: 9.816 min Scan# 1

Delta R.T. 0.194 min

Lab File: BF141789.D

Acq: 26 Feb 2025 18:25

Instrument :

BNA_F

ClientSampleId :

VNJ-227

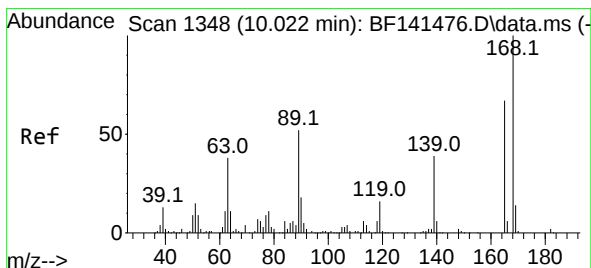
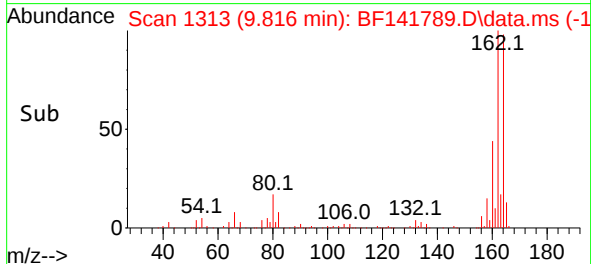
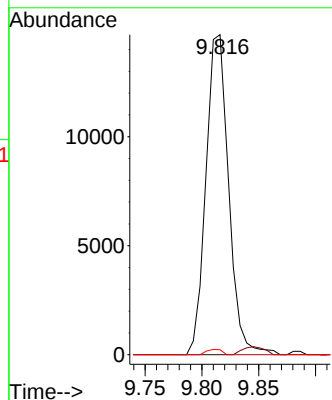
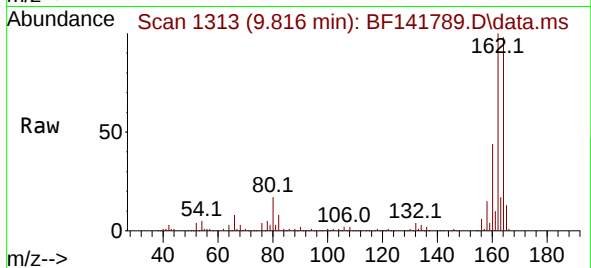
Tgt Ion:165 Resp: 20462

Ion Ratio Lower Upper

165 100

63 0.0 49.4 74.0#

89 1.6 46.5 69.7#



#57

2,4-Dinitrotoluene

Concen: 6.552 ng

RT: 9.816 min Scan# 1313

Delta R.T. -0.212 min

Lab File: BF141789.D

Acq: 26 Feb 2025 18:25

Tgt Ion:165 Resp: 20462

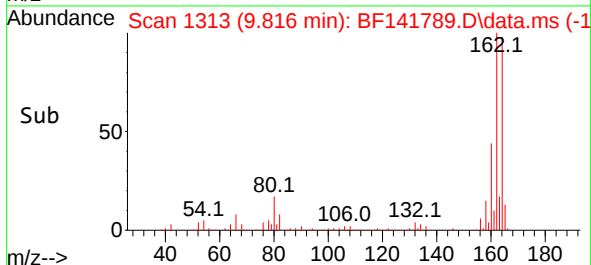
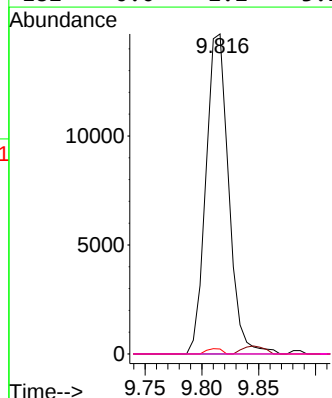
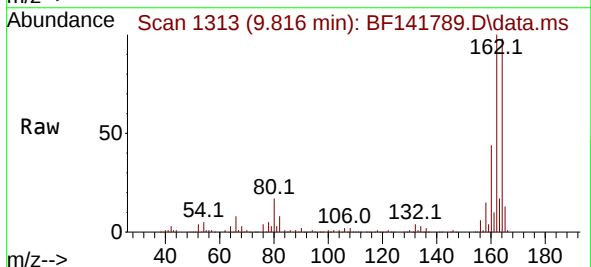
Ion Ratio Lower Upper

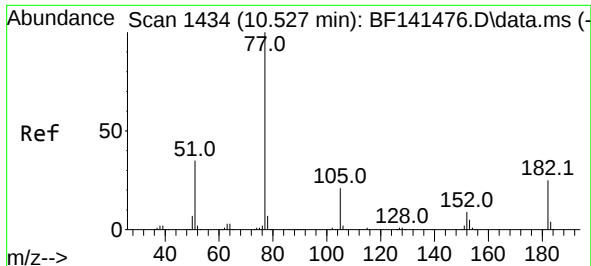
165 100

63 0.0 46.4 69.6#

89 1.6 61.8 92.6#

182 0.0 2.2 3.2#

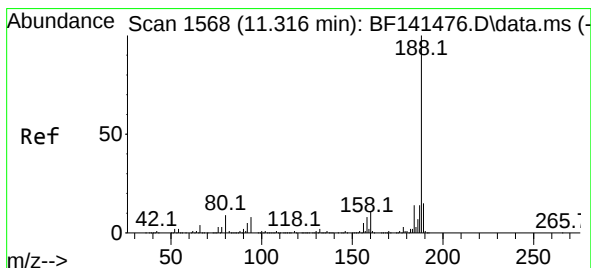
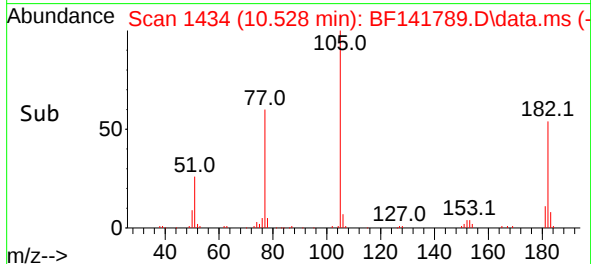
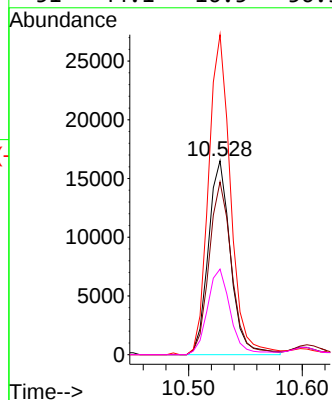
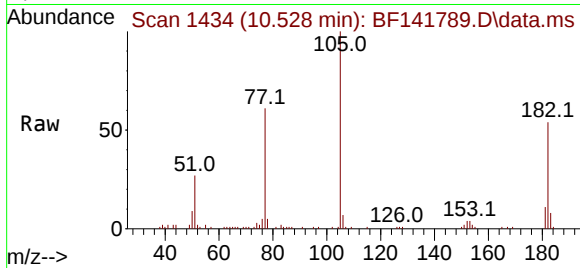




#63
Azobenzene
Concen: 2.142 ng
RT: 10.528 min Scan# 1434
Delta R.T. -0.006 min
Lab File: BF141789.D
Acq: 26 Feb 2025 18:25

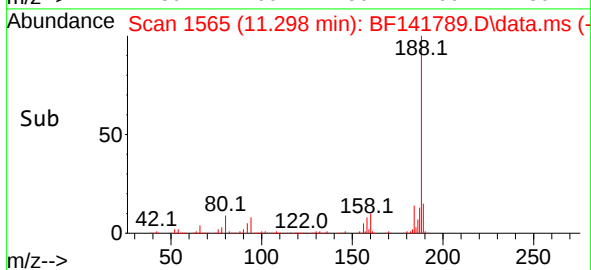
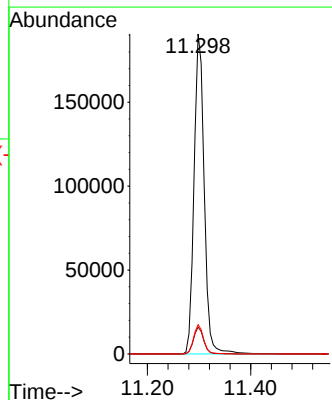
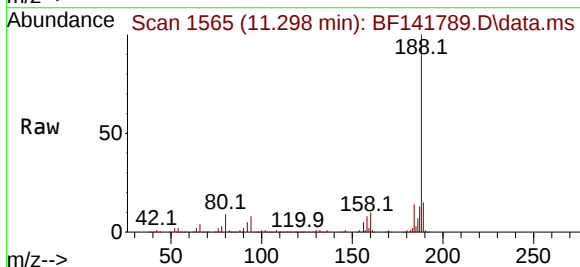
Instrument :
BNA_F
ClientSampleId :
VNJ-227

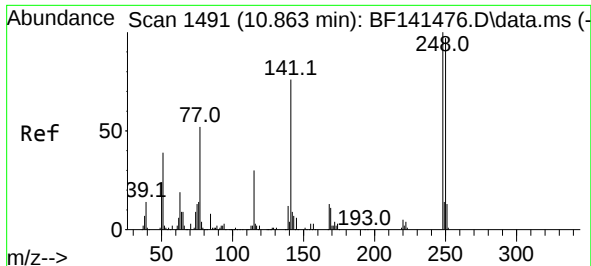
Tgt Ion: 77 Resp: 22484
Ion Ratio Lower Upper
77 100
182 89.1 4.7 44.7#
105 165.0 0.4 40.4#
51 44.1 16.5 56.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1565
Delta R.T. -0.017 min
Lab File: BF141789.D
Acq: 26 Feb 2025 18:25

Tgt Ion: 188 Resp: 260149
Ion Ratio Lower Upper
188 100
94 8.4 6.6 10.0
80 9.1 7.3 10.9

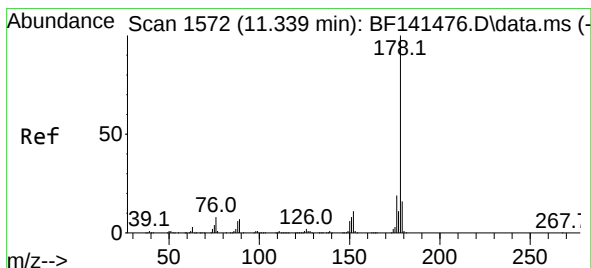
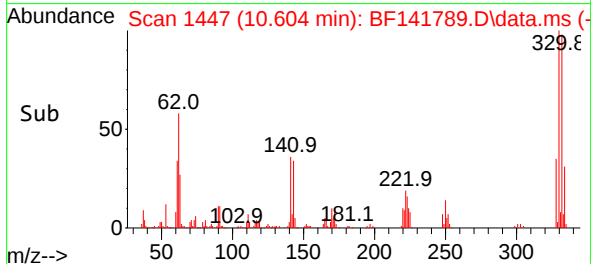
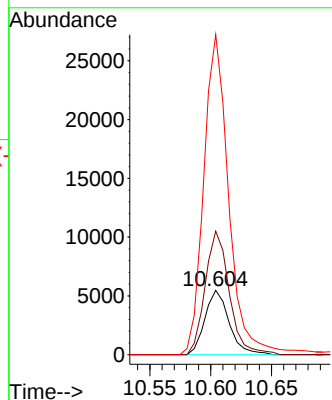
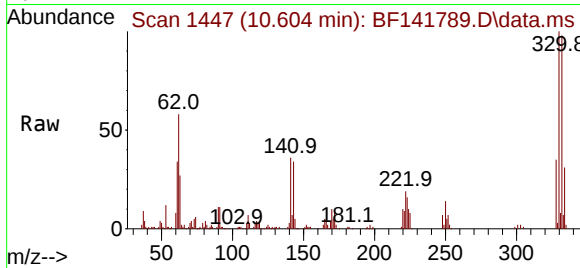




#67
4-Bromophenyl-phenylether
Concen: 2.608 ng
RT: 10.604 min Scan# 1491
Delta R.T. -0.259 min
Lab File: BF141789.D
Acq: 26 Feb 2025 18:25

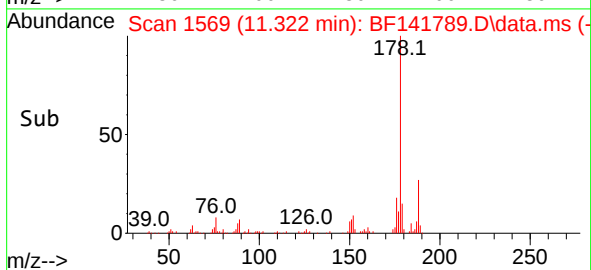
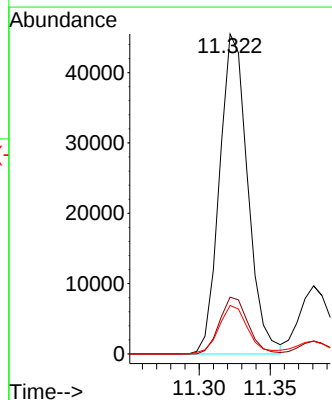
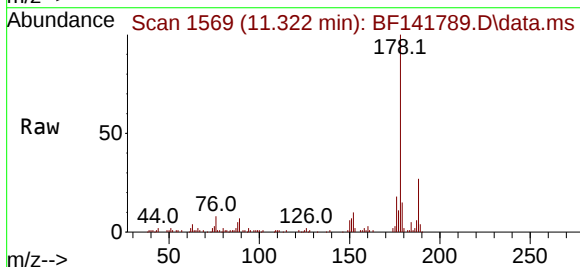
Instrument :
BNA_F
ClientSampleId :
VNJ-227

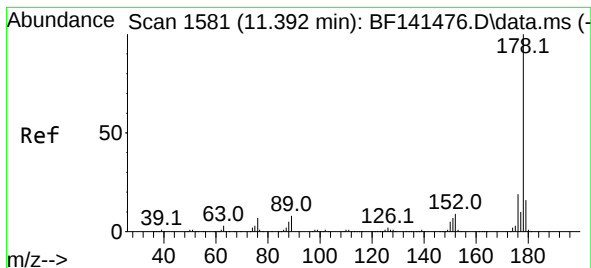
Tgt Ion:248 Resp: 7582
Ion Ratio Lower Upper
248 100
250 192.1 77.8 116.6#
141 497.6 60.6 90.8#



#71
Phenanthrene
Concen: 4.387 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.023 min
Lab File: BF141789.D
Acq: 26 Feb 2025 18:25

Tgt Ion:178 Resp: 62820
Ion Ratio Lower Upper
178 100
176 17.8 15.4 23.0
179 15.1 12.4 18.6





#72

Anthracene

Concen: 4.364 ng

RT: 11.322 min Scan# 11

Delta R.T. -0.076 min

Lab File: BF141789.D

Acq: 26 Feb 2025 18:25

Instrument :

BNA_F

ClientSampleId :

VNJ-227

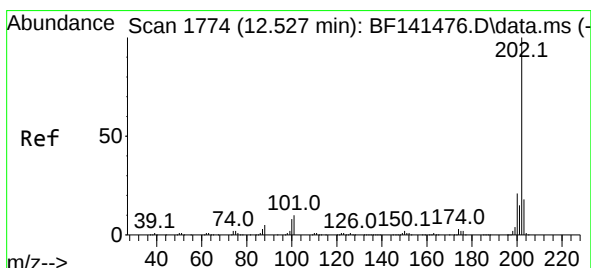
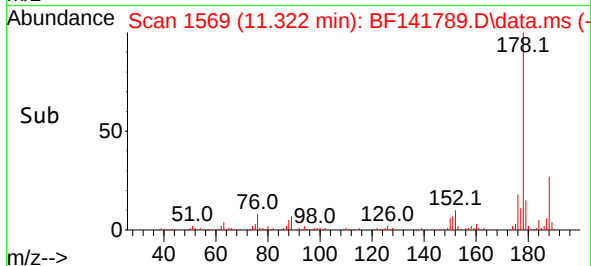
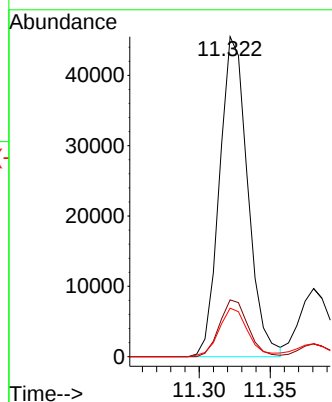
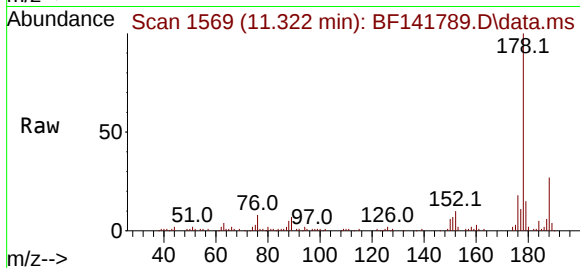
Tgt Ion:178 Resp: 62820

Ion Ratio Lower Upper

178 100

176 17.8 14.8 22.2

179 15.1 12.4 18.6



#75

Fluoranthene

Concen: 6.399 ng

RT: 12.516 min Scan# 1772

Delta R.T. -0.017 min

Lab File: BF141789.D

Acq: 26 Feb 2025 18:25

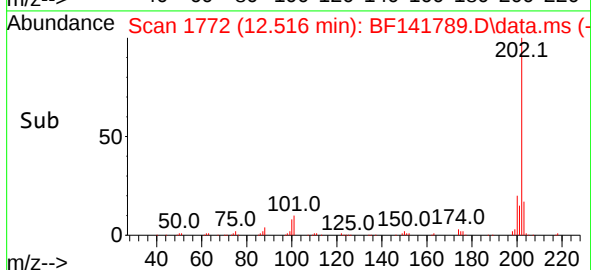
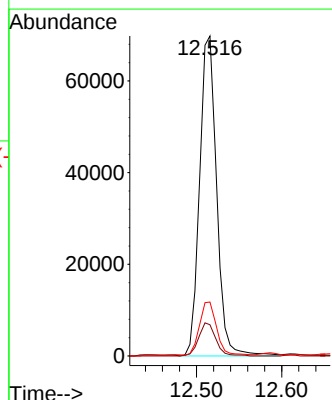
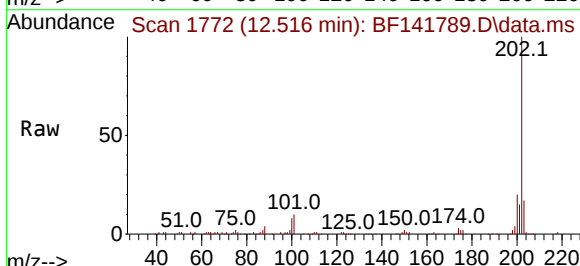
Tgt Ion:202 Resp: 97146

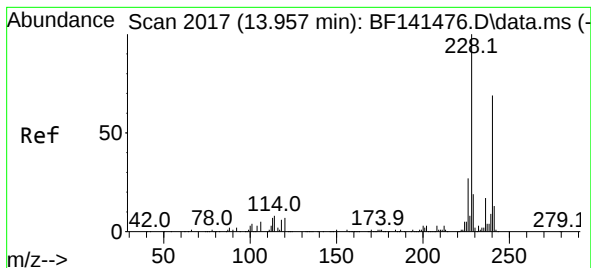
Ion Ratio Lower Upper

202 100

101 9.8 0.0 30.2

203 16.8 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.939 min Scan# 20

Delta R.T. -0.023 min

Lab File: BF141789.D

Acq: 26 Feb 2025 18:25

Instrument :

BNA_F

ClientSampleId :

VNJ-227

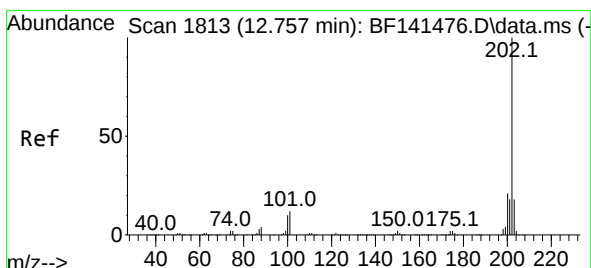
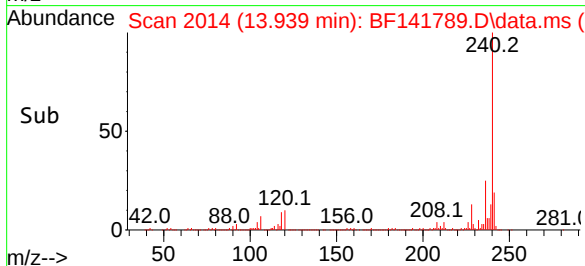
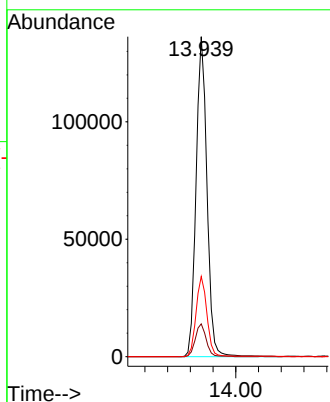
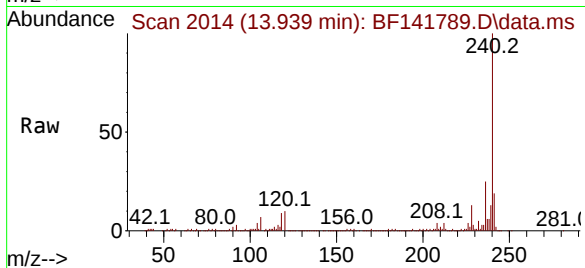
Tgt Ion:240 Resp: 182322

Ion Ratio Lower Upper

240 100

120 10.2 8.0 12.0

236 25.0 19.8 29.8



#78

Pyrene

Concen: 5.229 ng

RT: 12.739 min Scan# 1810

Delta R.T. -0.023 min

Lab File: BF141789.D

Acq: 26 Feb 2025 18:25

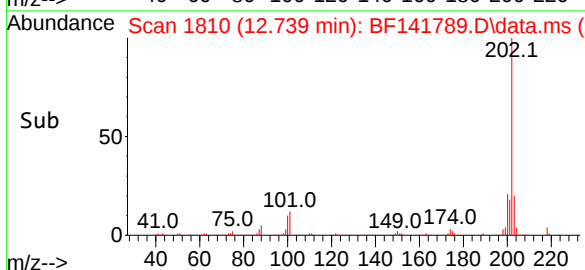
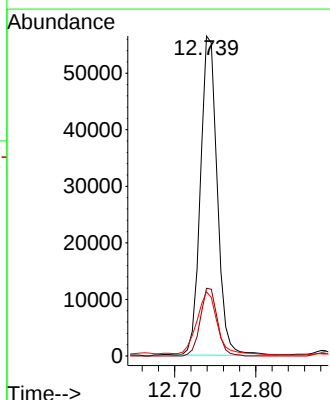
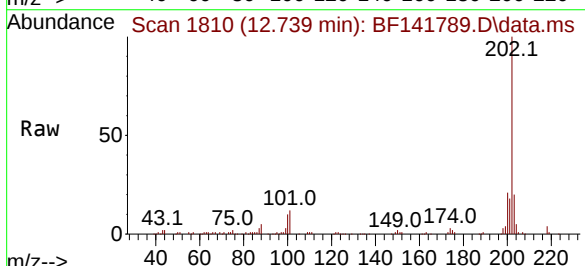
Tgt Ion:202 Resp: 81150

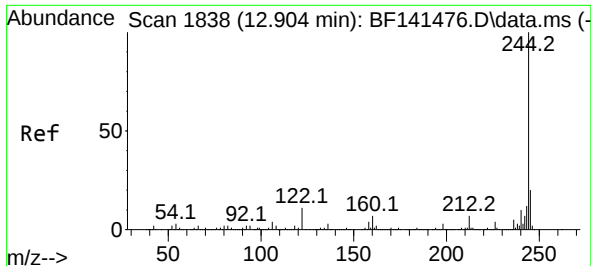
Ion Ratio Lower Upper

202 100

200 21.2 17.0 25.4

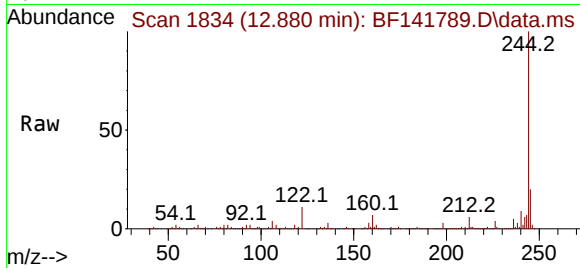
203 20.1 14.3 21.5



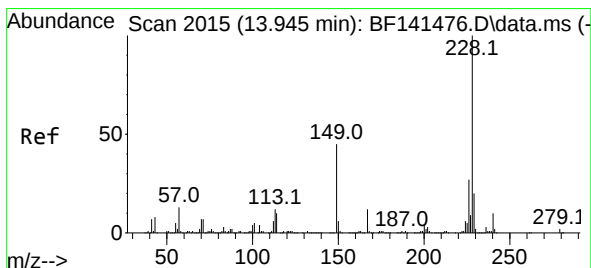
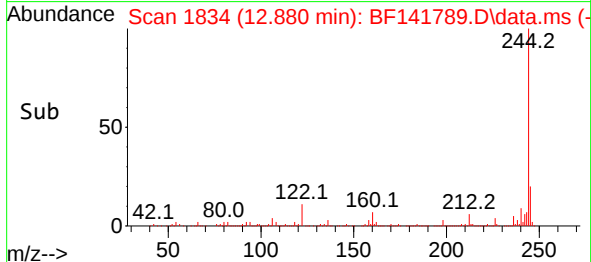
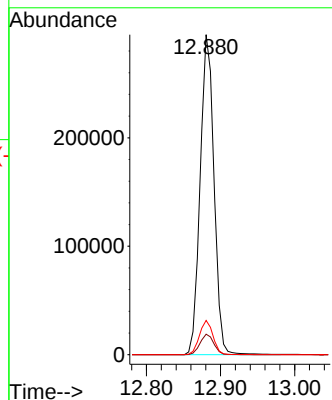


#79
 Terphenyl-d14
 Concen: 35.467 ng
 RT: 12.880 min Scan# 11
 Delta R.T. -0.023 min
 Lab File: BF141789.D
 Acq: 26 Feb 2025 18:25

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-227

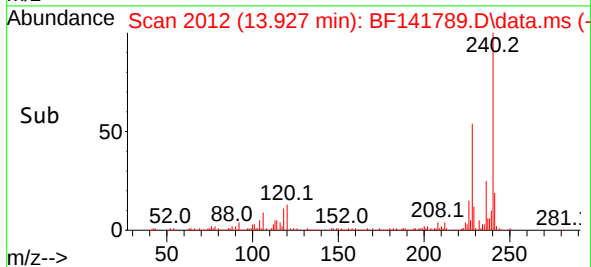
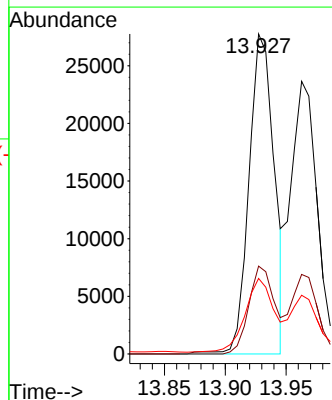
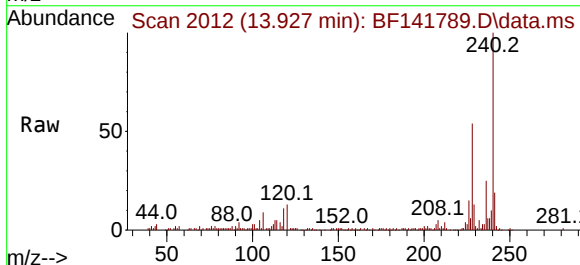


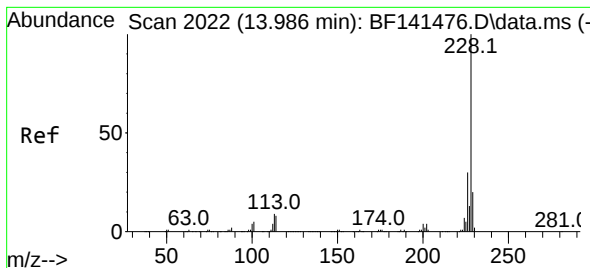
Tgt Ion:244 Resp: 383044
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.6 8.4
 122 10.7 8.4 12.6



#81
 Benzo(a)anthracene
 Concen: 3.300 ng
 RT: 13.927 min Scan# 2012
 Delta R.T. -0.023 min
 Lab File: BF141789.D
 Acq: 26 Feb 2025 18:25

Tgt Ion:228 Resp: 39991
 Ion Ratio Lower Upper
 228 100
 226 27.4 21.8 32.8
 229 23.6 15.8 23.6





#83

Chrysene

Concen: 3.166 ng

RT: 13.963 min Scan# 20

Delta R.T. -0.029 min

Lab File: BF141789.D

Acq: 26 Feb 2025 18:25

Instrument :

BNA_F

ClientSampleId :

VNJ-227

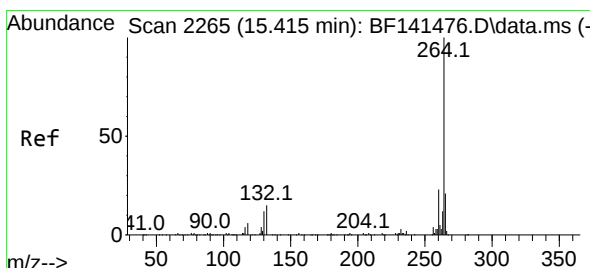
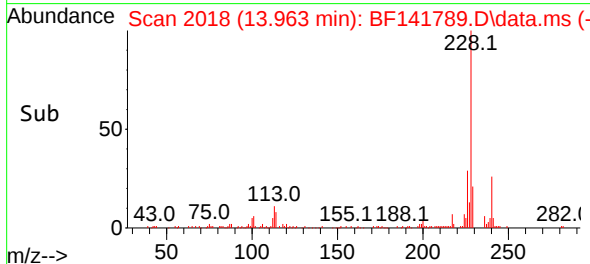
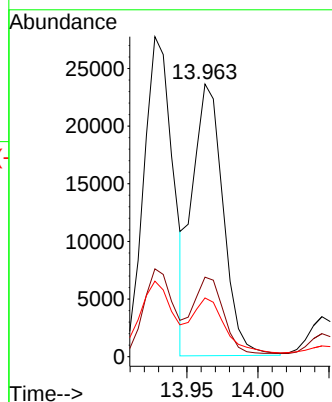
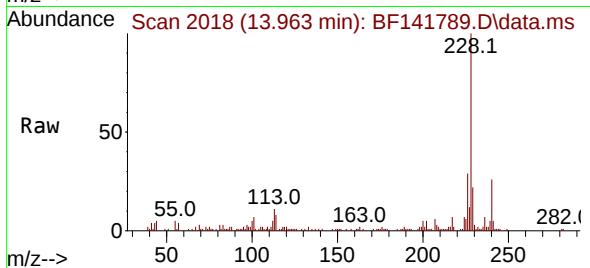
Tgt Ion:228 Resp: 35426

Ion Ratio Lower Upper

228 100

226 29.2 24.0 36.0

229 21.5 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.386 min Scan# 2260

Delta R.T. -0.029 min

Lab File: BF141789.D

Acq: 26 Feb 2025 18:25

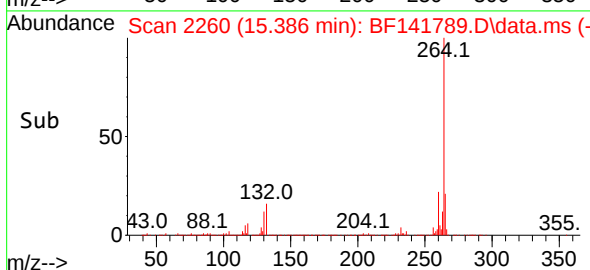
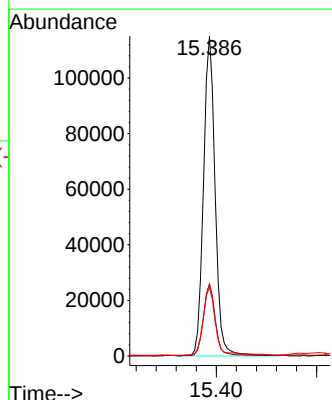
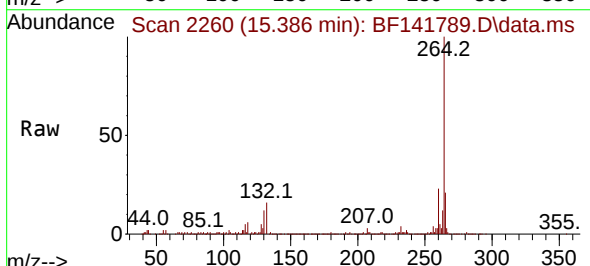
Tgt Ion:264 Resp: 185841

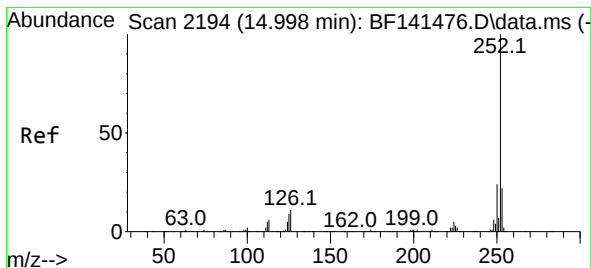
Ion Ratio Lower Upper

264 100

260 22.5 18.6 28.0

265 21.5 17.0 25.4





#88

Benzo(b)fluoranthene

Concen: 4.783 ng

RT: 14.969 min Scan# 2189

Delta R.T. -0.035 min

Lab File: BF141789.D

Acq: 26 Feb 2025 18:25

Instrument :

BNA_F

ClientSampleId :

VNJ-227

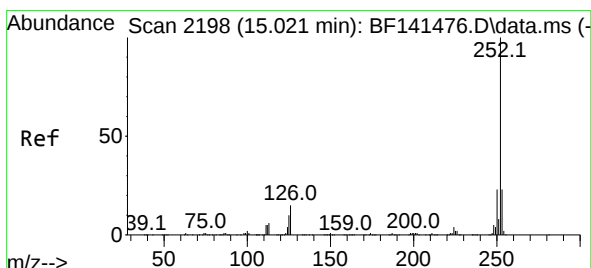
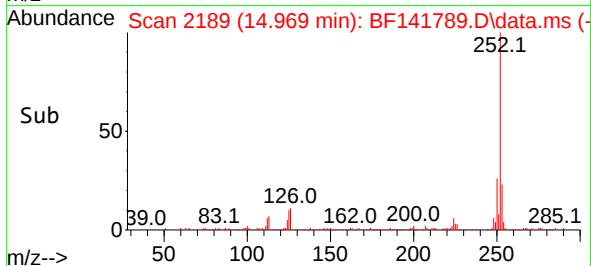
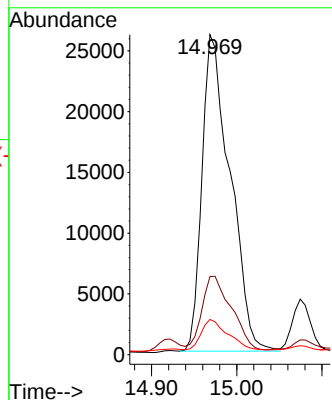
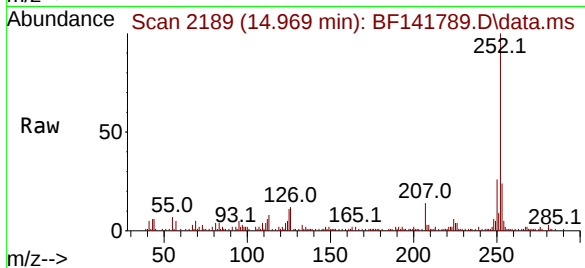
Tgt Ion:252 Resp: 59686

Ion Ratio Lower Upper

252 100

253 24.4 17.5 26.3

125 11.0 7.0 10.6#



#89

Benzo(k)fluoranthene

Concen: 5.600 ng

RT: 14.969 min Scan# 2189

Delta R.T. -0.064 min

Lab File: BF141789.D

Acq: 26 Feb 2025 18:25

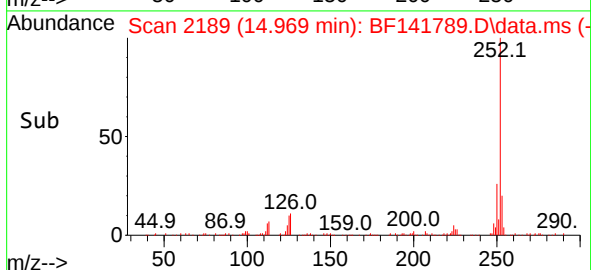
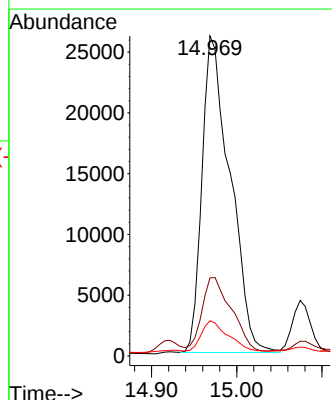
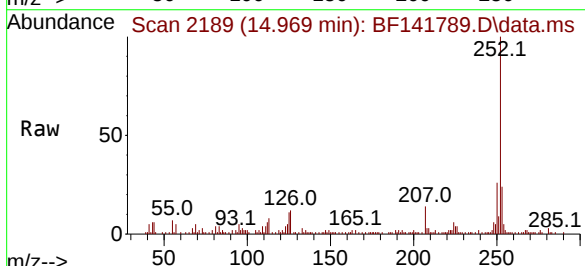
Tgt Ion:252 Resp: 59668

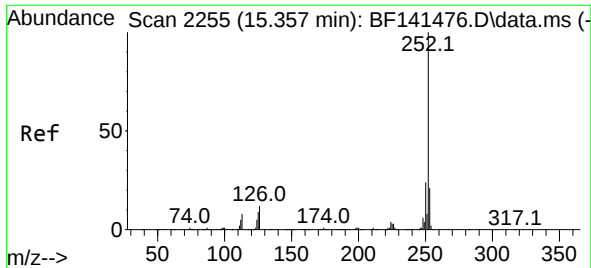
Ion Ratio Lower Upper

252 100

253 24.4 18.0 27.0

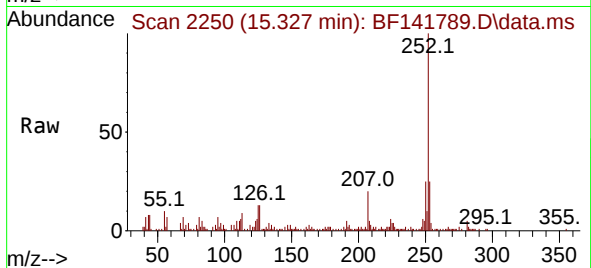
125 11.0 7.4 11.0





#90
 Benzo(a)pyrene
 Concen: 3.029 ng
 RT: 15.327 min Scan# 21
 Delta R.T. -0.035 min
 Lab File: BF141789.D
 Acq: 26 Feb 2025 18:25

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-227



Tgt Ion:252 Resp: 30587
 Ion Ratio Lower Upper
 252 100
 253 25.3 17.1 25.7
 125 12.7 7.4 11.2#

