

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021425\
 Data File : BF141647.D
 Acq On : 14 Feb 2025 18:41
 Operator : RC/JU
 Sample : Q1365-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-214

Quant Time: Feb 14 22:06:05 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)

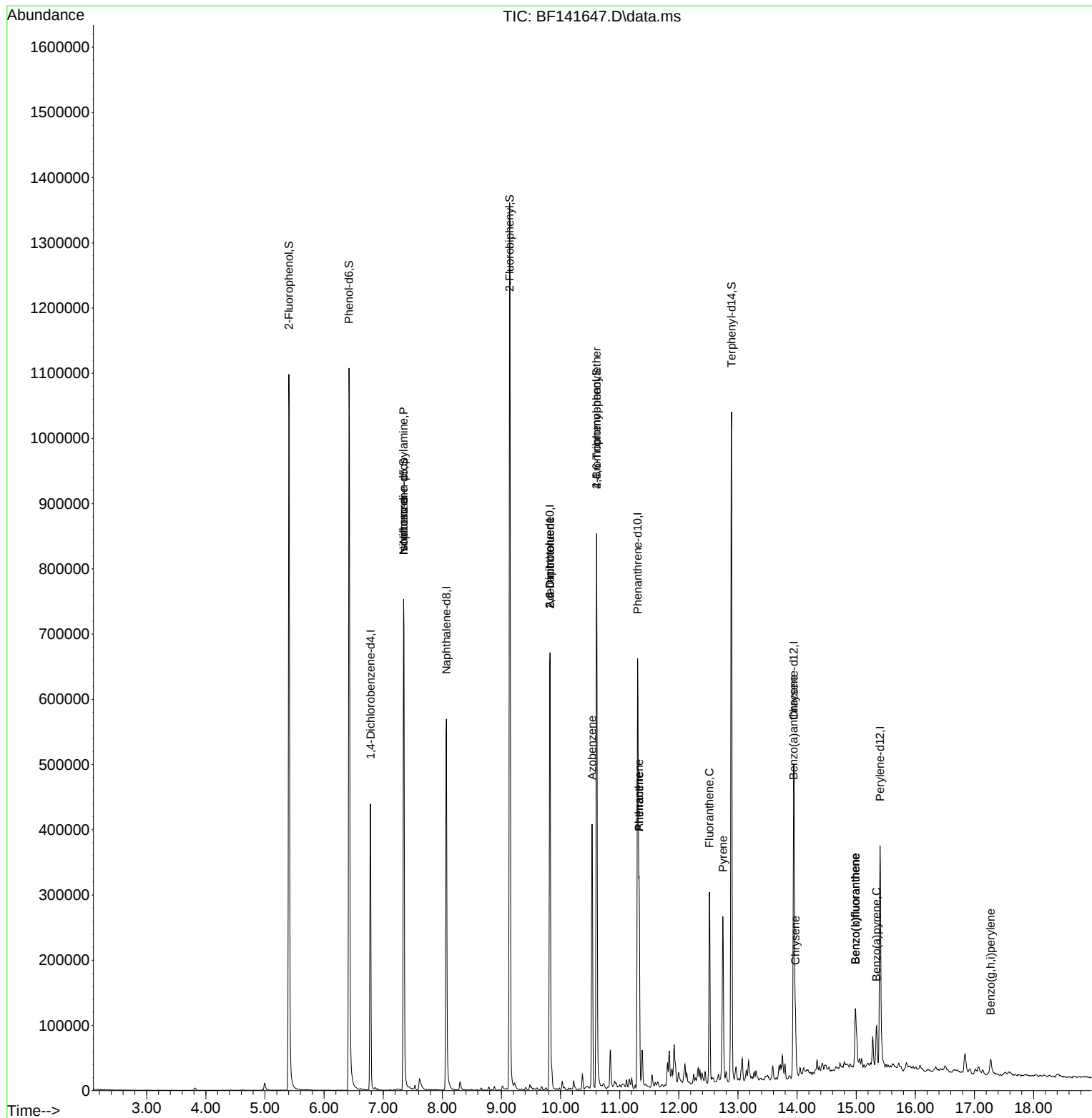
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	93850	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	398785	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	215279	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	342040	20.000	ng	-0.01
76) Chrysene-d12	13.945	240	199265	20.000	ng	-0.02
86) Perylene-d12	15.404	264	195856	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	434286	72.547	ng	0.00
7) Phenol-d6	6.422	99	535007	70.710	ng	-0.02
23) Nitrobenzene-d5	7.345	82	349974	45.774	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	135992	62.884	ng	-0.02
45) 2-Fluorobiphenyl	9.139	172	609395	43.611	ng	-0.01
79) Terphenyl-d14	12.892	244	517450	43.838	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	47252	10.441	ng	# 73
25) Isophorone	7.345	82	336528	27.605	ng	# 66
51) 2,6-Dinitrotoluene	9.822	165	28224	8.834	ng	# 22
57) 2,4-Dinitrotoluene	9.822	165	28224	6.636	ng	# 18
63) Azobenzene	10.533	77	101753	7.118	ng	# 1
67) 4-Bromophenyl-phenylether	10.610	248	9365	2.450	ng	# 1
71) Phenanthrene	11.327	178	164234	8.723	ng	99
72) Anthracene	11.327	178	164234	8.677	ng	100
75) Fluoranthene	12.516	202	173526	8.693	ng	100
78) Pyrene	12.745	202	146779	8.653	ng	98
81) Benzo(a)anthracene	13.939	228	63354	4.783	ng	96
83) Chrysene	13.974	228	48105	3.933	ng	97
88) Benzo(b)fluoranthene	14.986	252	74484	5.664	ng	96
89) Benzo(k)fluoranthene	14.986	252	74484	6.633	ng	97
90) Benzo(a)pyrene	15.345	252	38981	3.663	ng	96
92) Benzo(g,h,i)perylene	17.274	276	21347	2.080	ng	100

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

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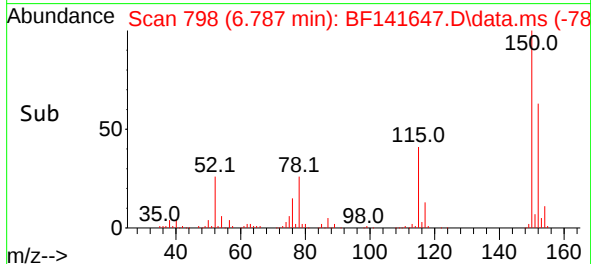
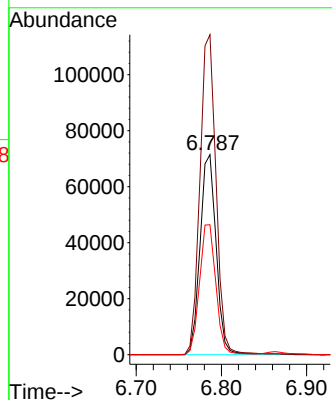
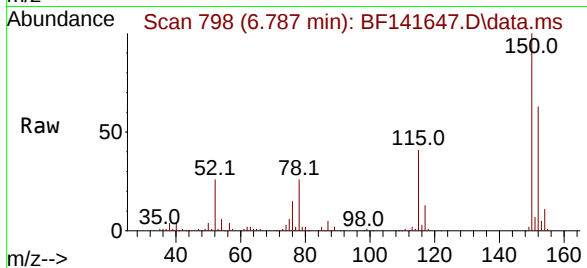




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.005 min
Lab File: BF141647.D
Acq: 14 Feb 2025 18:41

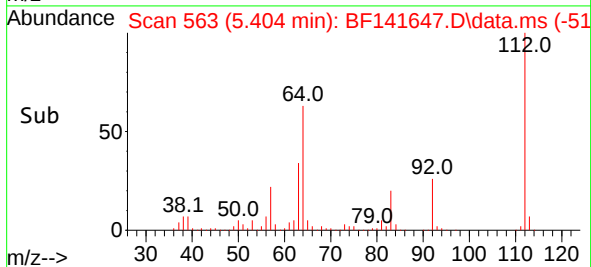
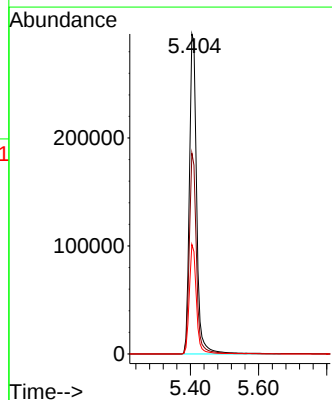
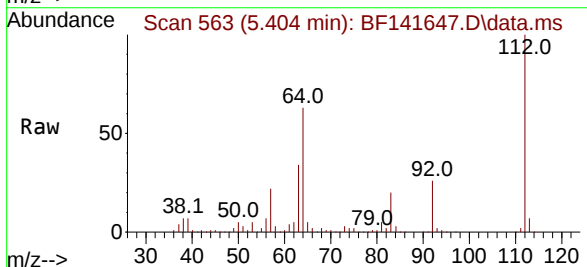
Instrument :
BNA_F
ClientSampleId :
VNJ-214

Tgt Ion:152 Resp: 93850
Ion Ratio Lower Upper
152 100
150 160.0 125.0 187.4
115 65.0 53.6 80.4



#5
2-Fluorophenol
Concen: 72.547 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141647.D
Acq: 14 Feb 2025 18:41

Tgt Ion:112 Resp: 434286
Ion Ratio Lower Upper
112 100
64 62.7 51.1 76.7
63 34.2 28.4 42.6





#7
Phenol-d6
Concen: 70.710 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF141647.D
Acq: 14 Feb 2025 18:41

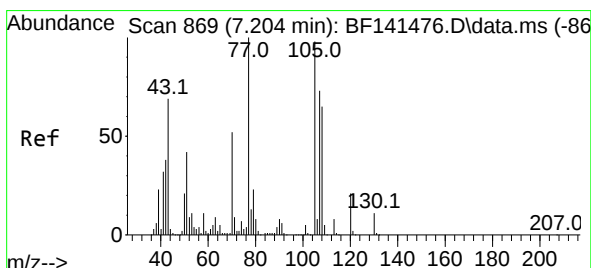
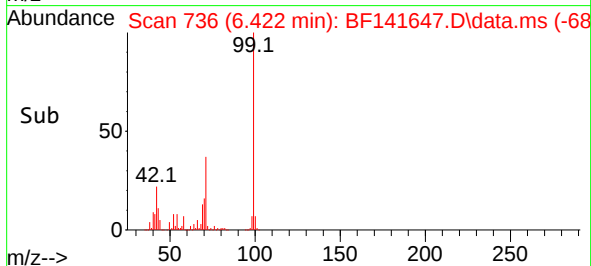
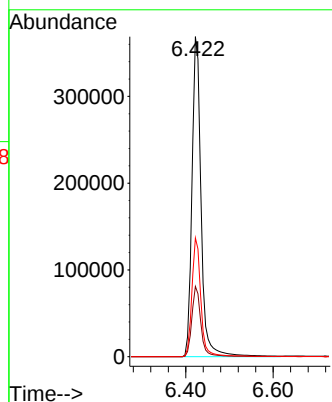
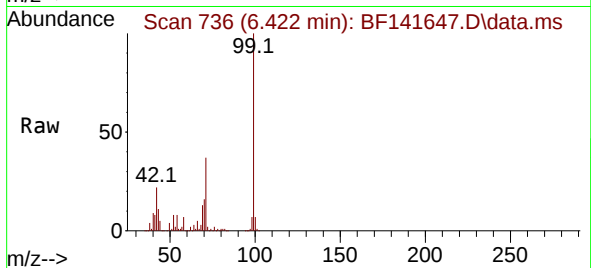
Instrument :

BNA_F

ClientSampleId :

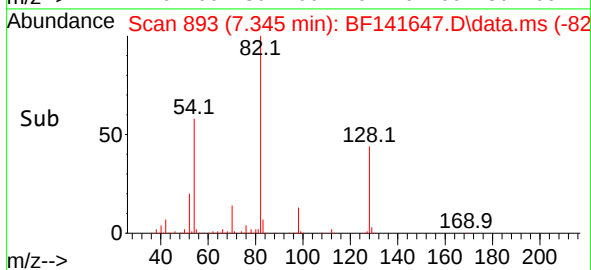
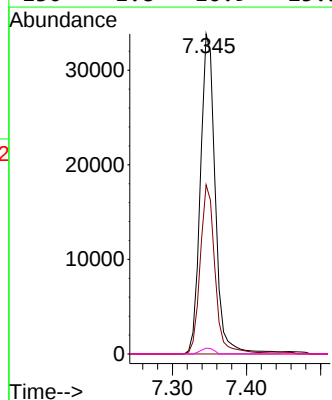
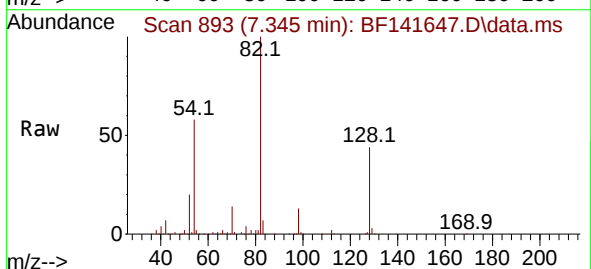
VNJ-214

Tgt Ion: 99 Resp: 535007
Ion Ratio Lower Upper
99 100
42 21.9 19.1 28.7
71 37.1 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 10.441 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.130 min
Lab File: BF141647.D
Acq: 14 Feb 2025 18:41

Tgt Ion: 70 Resp: 47252
Ion Ratio Lower Upper
70 100
42 52.9 57.4 86.2#
101 0.0 8.0 12.0#
130 1.8 16.9 25.3#



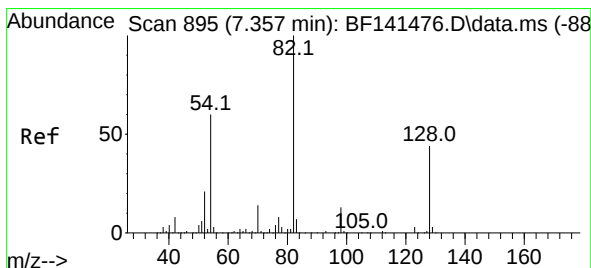
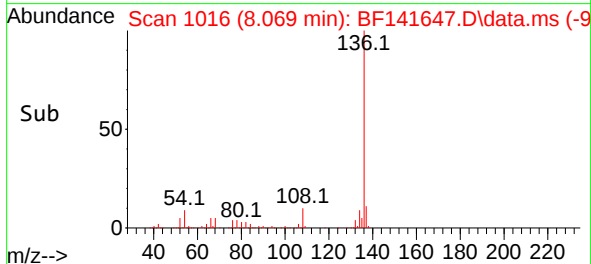
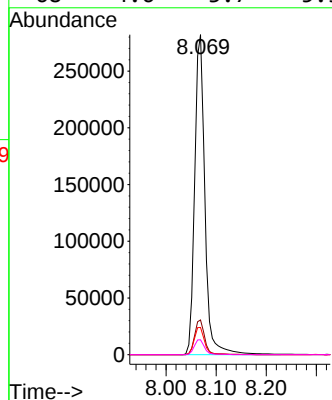
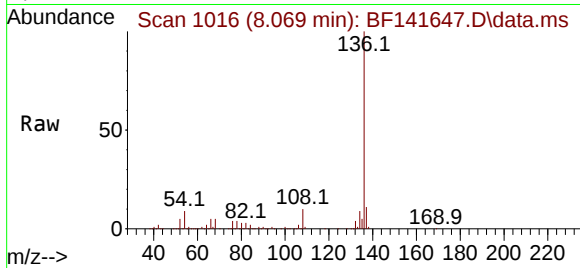


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF141647.D
Acq: 14 Feb 2025 18:41

Instrument :
BNA_F
ClientSampleId :
VNJ-214

Tgt Ion:136 Resp: 398785

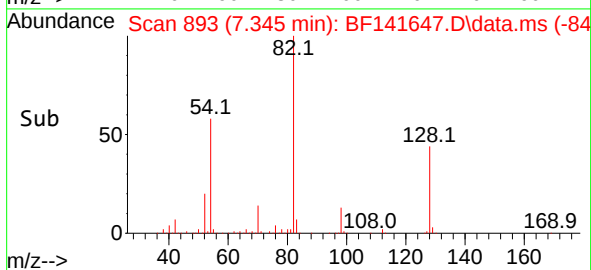
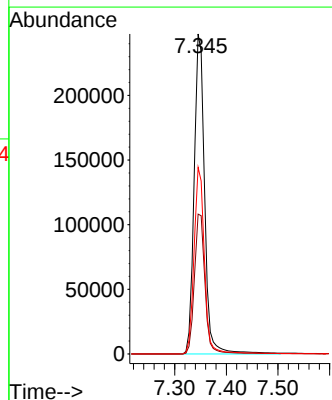
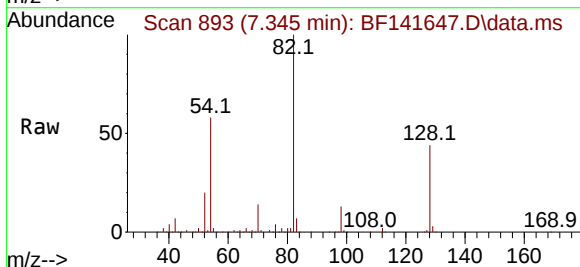
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.5	7.2	10.8
68	4.6	3.7	5.5

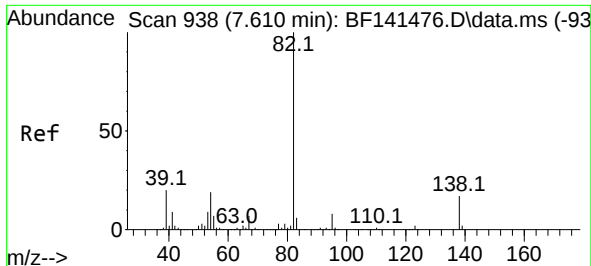


#23
Nitrobenzene-d5
Concen: 45.774 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.018 min
Lab File: BF141647.D
Acq: 14 Feb 2025 18:41

Tgt Ion: 82 Resp: 349974

Ion	Ratio	Lower	Upper
82	100		
128	43.7	34.8	52.2
54	58.3	48.2	72.4

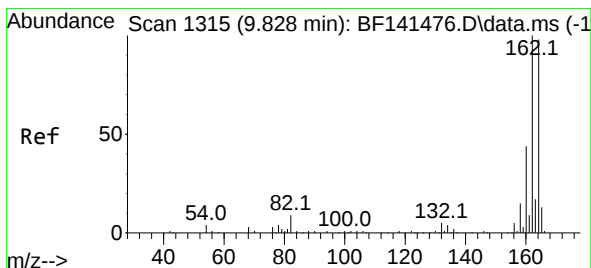
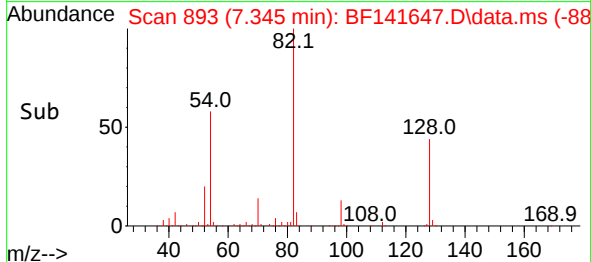
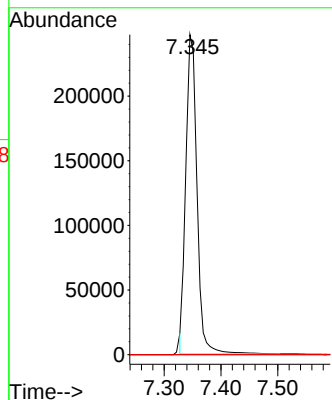
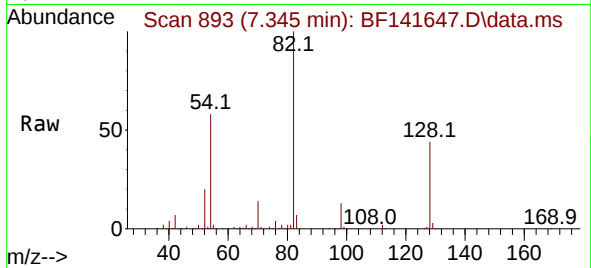




#25
Isophorone
Concen: 27.605 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.276 min
Lab File: BF141647.D
Acq: 14 Feb 2025 18:41

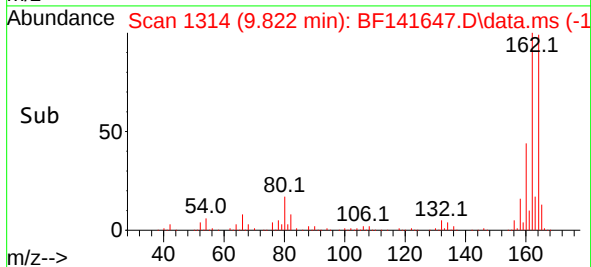
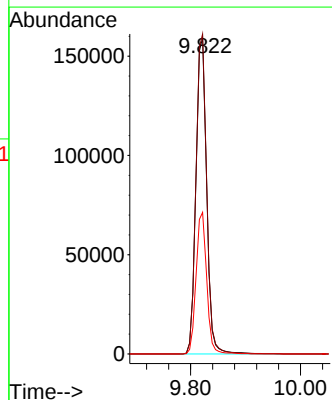
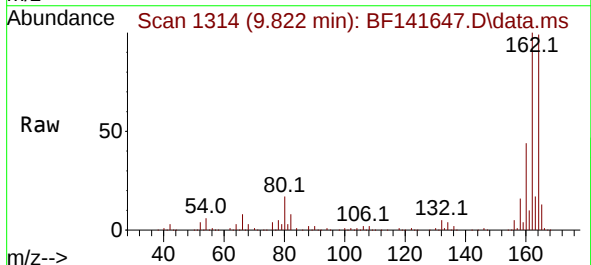
Instrument :
BNA_F
ClientSampleId :
VNJ-214

Tgt Ion: 82 Resp: 336528
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF141647.D
Acq: 14 Feb 2025 18:41

Tgt Ion:164 Resp: 215279
Ion Ratio Lower Upper
164 100
162 101.2 81.3 121.9
160 44.8 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 62.884 ng

RT: 10.610 min Scan# 1450

Delta R.T. -0.018 min

Lab File: BF141647.D

Acq: 14 Feb 2025 18:41

Instrument :

BNA_F

ClientSampleId :

VNJ-214

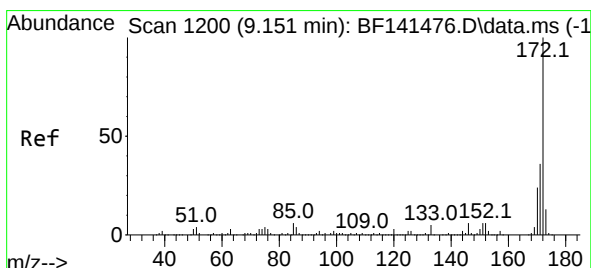
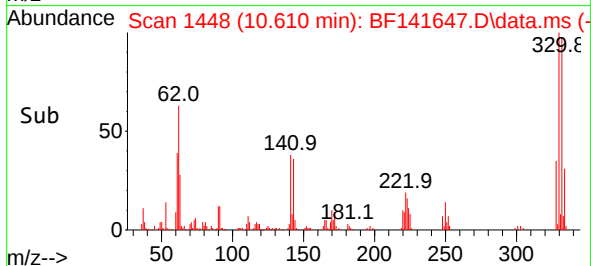
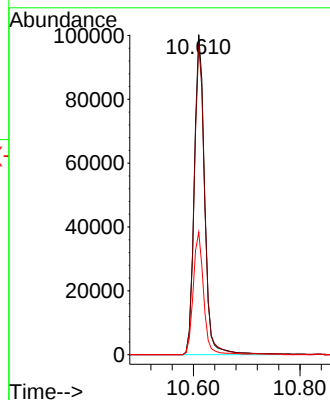
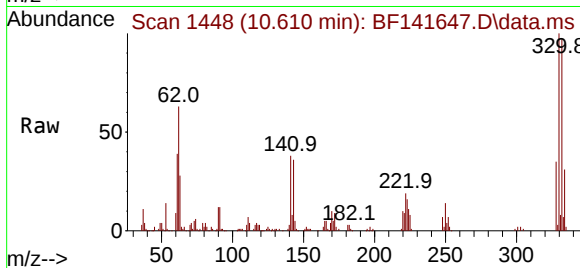
Tgt Ion:330 Resp: 135992

Ion Ratio Lower Upper

330 100

332 97.6 78.5 117.7

141 38.2 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 43.611 ng

RT: 9.139 min Scan# 1198

Delta R.T. -0.012 min

Lab File: BF141647.D

Acq: 14 Feb 2025 18:41

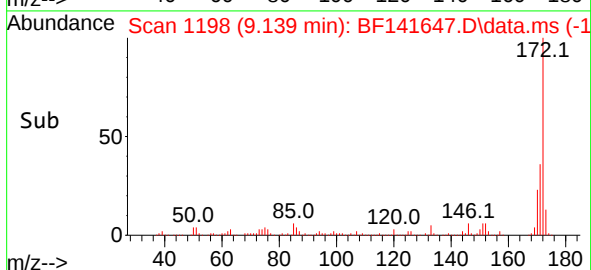
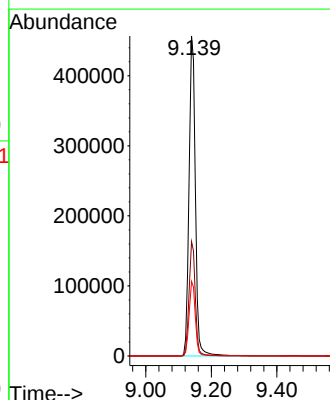
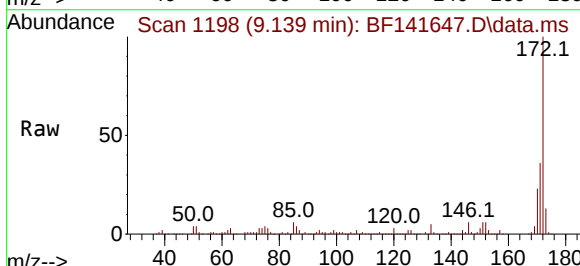
Tgt Ion:172 Resp: 609395

Ion Ratio Lower Upper

172 100

171 35.8 28.7 43.1

170 23.3 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 8.834 ng

RT: 9.822 min Scan# 1

Delta R.T. 0.200 min

Lab File: BF141647.D

Acq: 14 Feb 2025 18:41

Instrument :

BNA_F

ClientSampleId :

VNJ-214

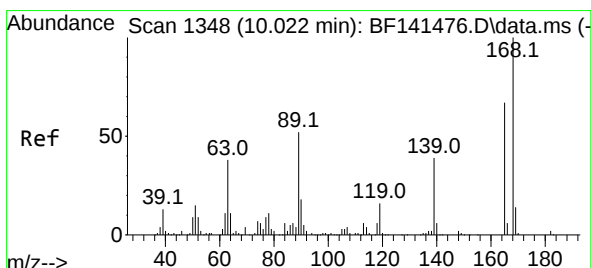
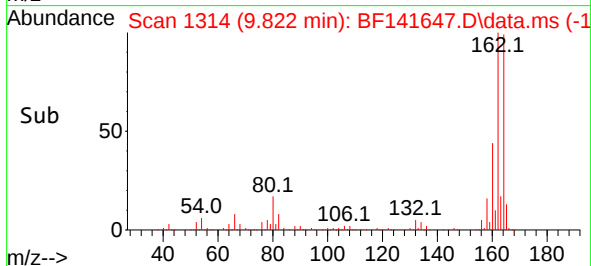
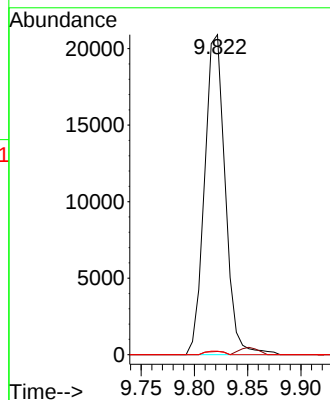
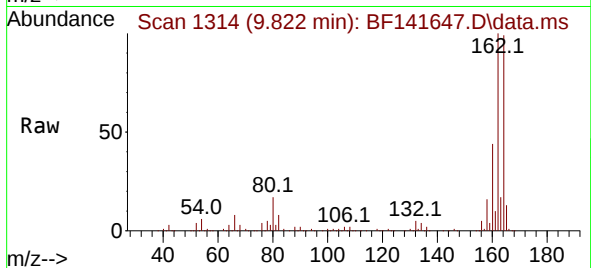
Tgt Ion:165 Resp: 28224

Ion Ratio Lower Upper

165 100

63 1.0 49.4 74.0#

89 1.1 46.5 69.7#



#57

2,4-Dinitrotoluene

Concen: 6.636 ng

RT: 9.822 min Scan# 1314

Delta R.T. -0.206 min

Lab File: BF141647.D

Acq: 14 Feb 2025 18:41

Tgt Ion:165 Resp: 28224

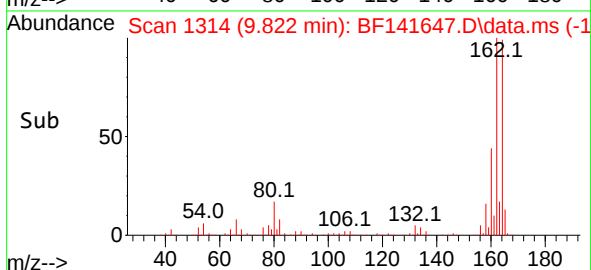
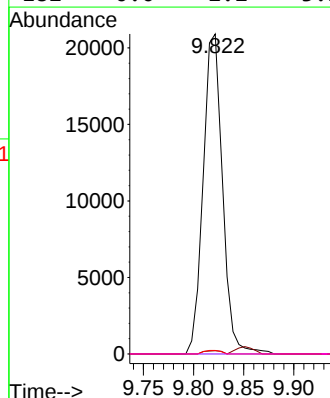
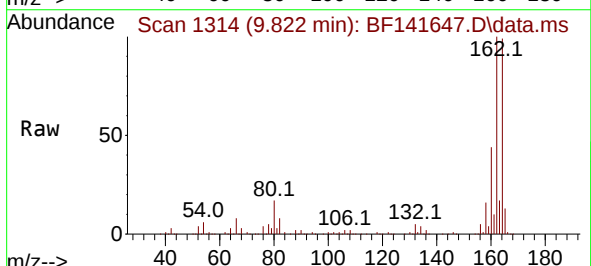
Ion Ratio Lower Upper

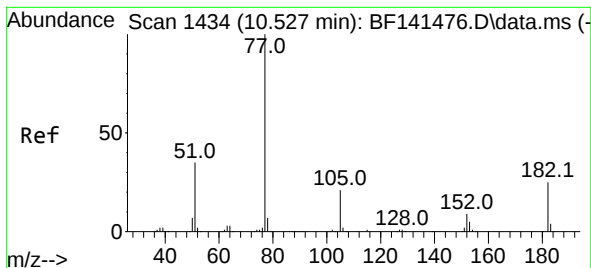
165 100

63 1.0 46.4 69.6#

89 1.1 61.8 92.6#

182 0.0 2.2 3.2#





#63

Azobenzene

Concen: 7.118 ng

RT: 10.533 min Scan# 1434

Delta R.T. 0.000 min

Lab File: BF141647.D

Acq: 14 Feb 2025 18:41

Instrument :

BNA_F

ClientSampleId :

VNJ-214

Tgt Ion: 77 Resp: 101753

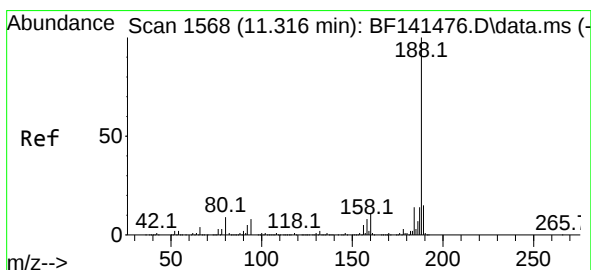
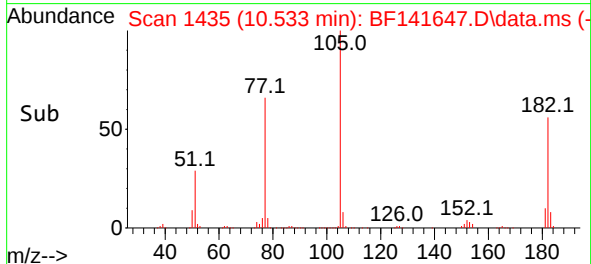
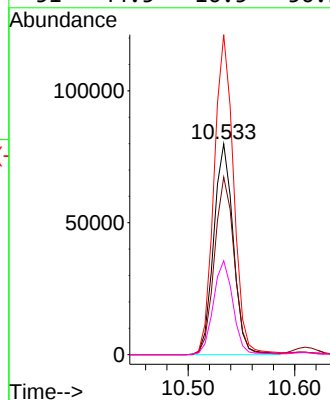
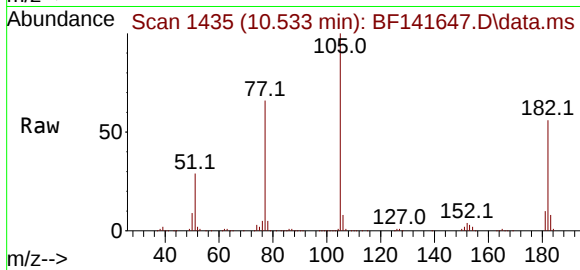
Ion Ratio Lower Upper

77 100

182 84.2 4.7 44.7#

105 151.7 0.4 40.4#

51 44.5 16.5 56.5



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.304 min Scan# 1566

Delta R.T. -0.012 min

Lab File: BF141647.D

Acq: 14 Feb 2025 18:41

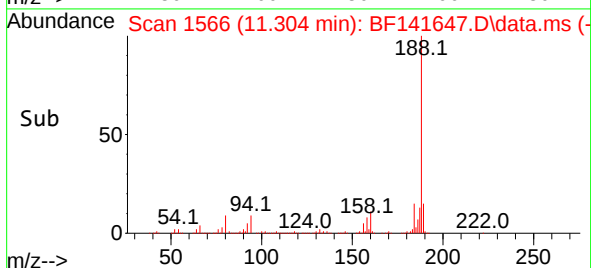
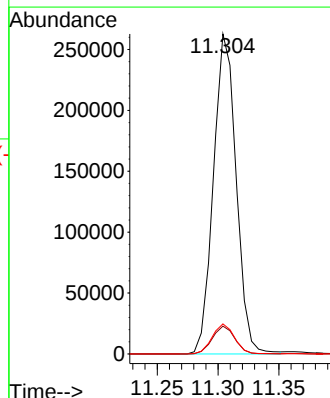
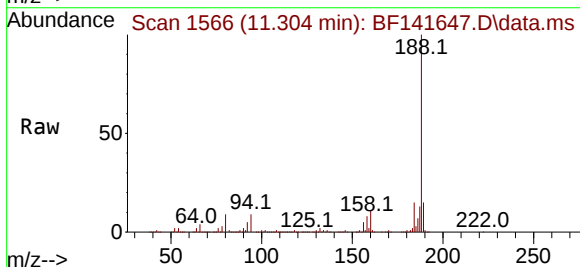
Tgt Ion: 188 Resp: 342040

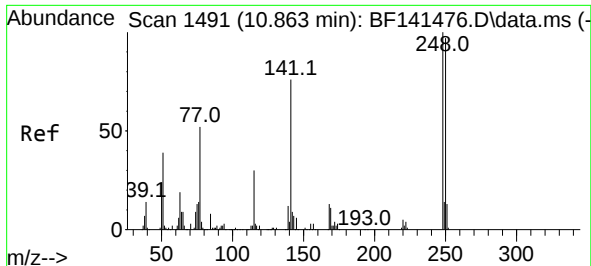
Ion Ratio Lower Upper

188 100

94 8.7 6.6 10.0

80 9.4 7.3 10.9

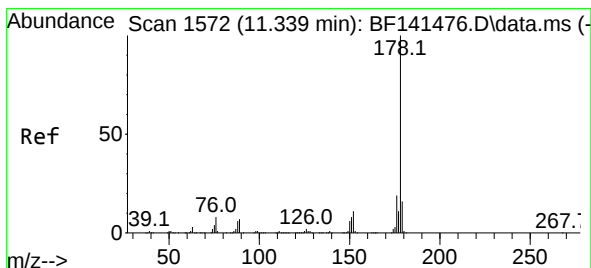
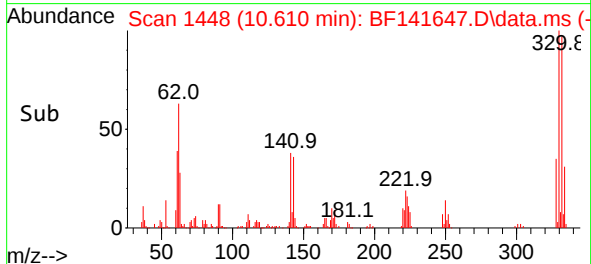
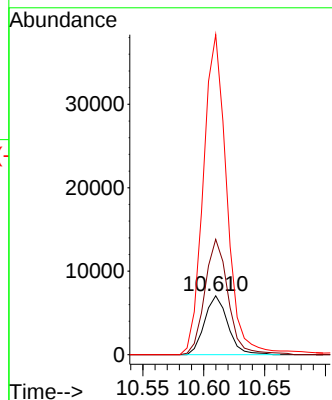
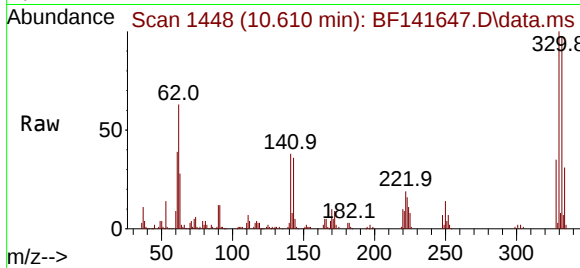




#67
4-Bromophenyl-phenylether
Concen: 2.450 ng
RT: 10.610 min Scan# 1491
Delta R.T. -0.253 min
Lab File: BF141647.D
Acq: 14 Feb 2025 18:41

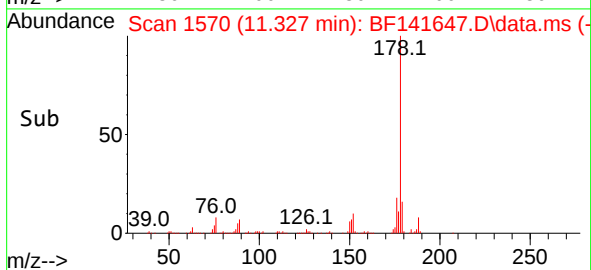
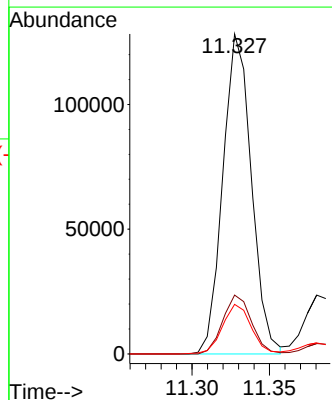
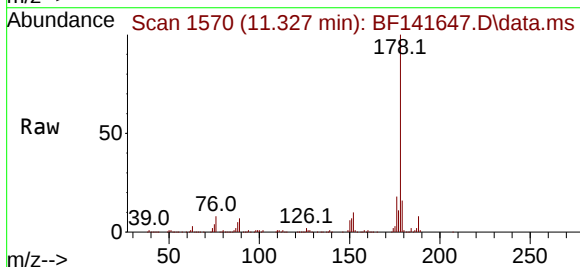
Instrument :
BNA_F
ClientSampleId :
VNJ-214

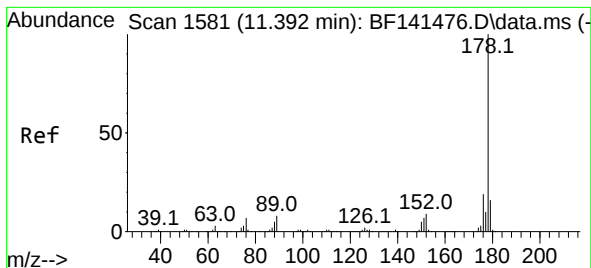
Tgt Ion:248 Resp: 9365
Ion Ratio Lower Upper
248 100
250 195.8 77.8 116.6#
141 543.4 60.6 90.8#



#71
Phenanthrene
Concen: 8.723 ng
RT: 11.327 min Scan# 1570
Delta R.T. -0.018 min
Lab File: BF141647.D
Acq: 14 Feb 2025 18:41

Tgt Ion:178 Resp: 164234
Ion Ratio Lower Upper
178 100
176 18.4 15.4 23.0
179 15.5 12.4 18.6





#72

Anthracene

Concen: 8.677 ng

RT: 11.327 min Scan# 11

Delta R.T. -0.070 min

Lab File: BF141647.D

Acq: 14 Feb 2025 18:41

Instrument :

BNA_F

ClientSampleId :

VNJ-214

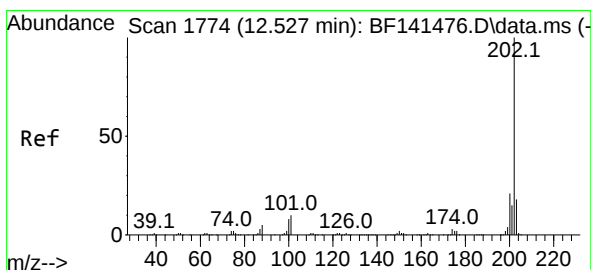
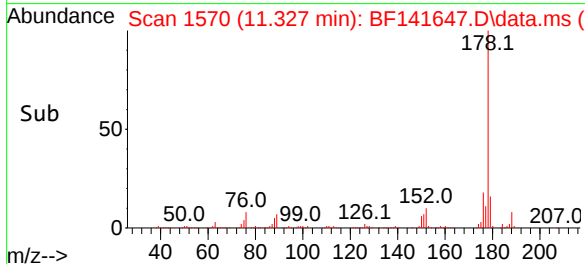
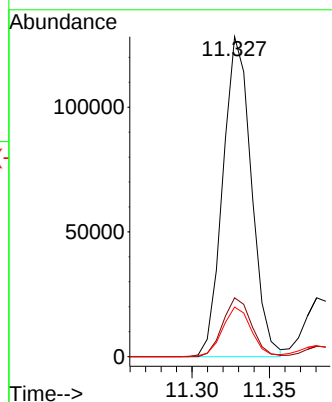
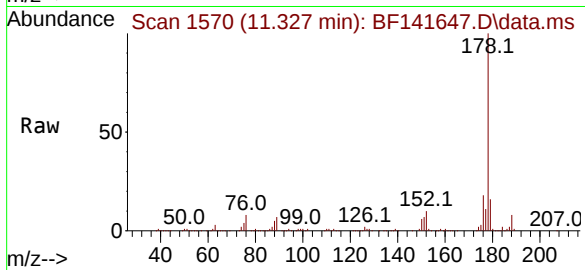
Tgt Ion:178 Resp: 164234

Ion Ratio Lower Upper

178 100

176 18.4 14.8 22.2

179 15.5 12.4 18.6



#75

Fluoranthene

Concen: 8.693 ng

RT: 12.516 min Scan# 1772

Delta R.T. -0.018 min

Lab File: BF141647.D

Acq: 14 Feb 2025 18:41

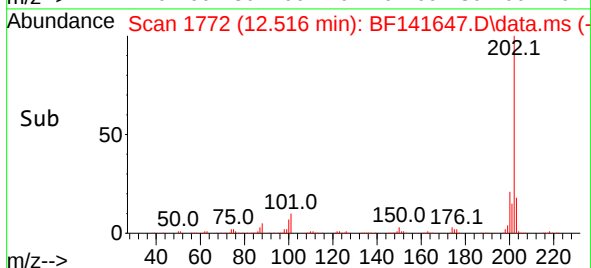
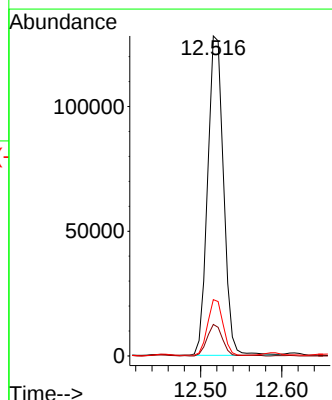
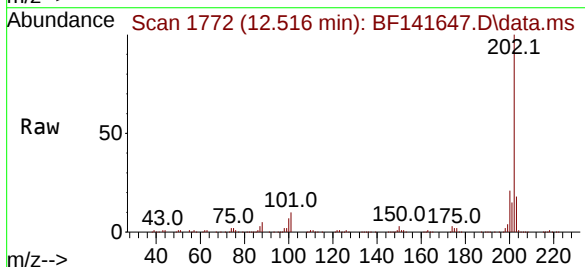
Tgt Ion:202 Resp: 173526

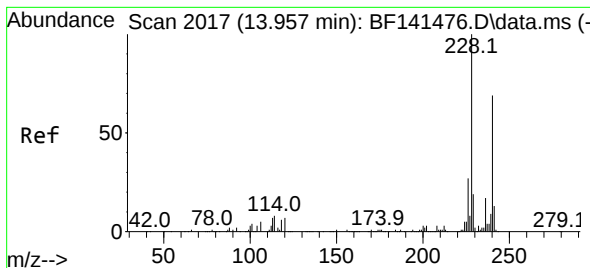
Ion Ratio Lower Upper

202 100

101 9.8 0.0 30.2

203 17.6 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.945 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF141647.D

Acq: 14 Feb 2025 18:41

Instrument :

BNA_F

ClientSampleId :

VNJ-214

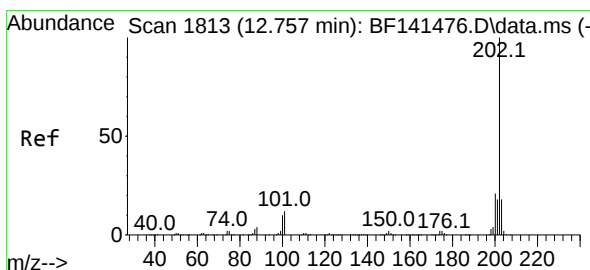
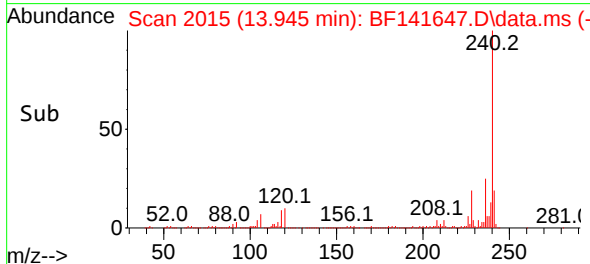
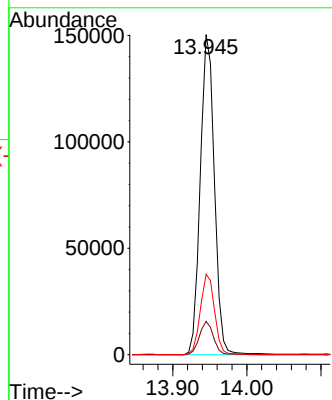
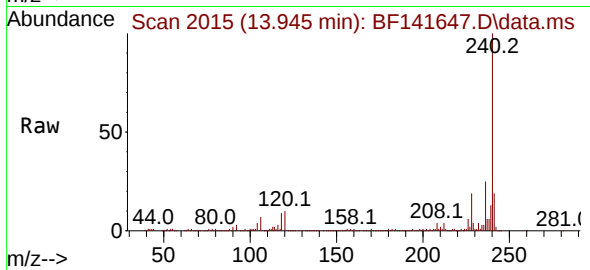
Tgt Ion:240 Resp: 199265

Ion Ratio Lower Upper

240 100

120 10.4 8.0 12.0

236 25.1 19.8 29.8



#78

Pyrene

Concen: 8.653 ng

RT: 12.745 min Scan# 1811

Delta R.T. -0.018 min

Lab File: BF141647.D

Acq: 14 Feb 2025 18:41

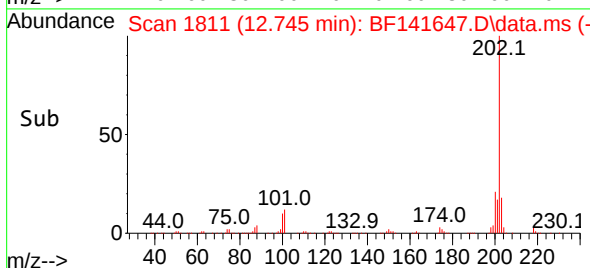
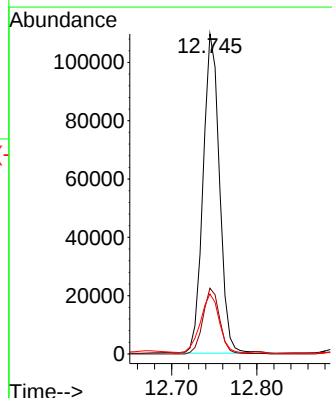
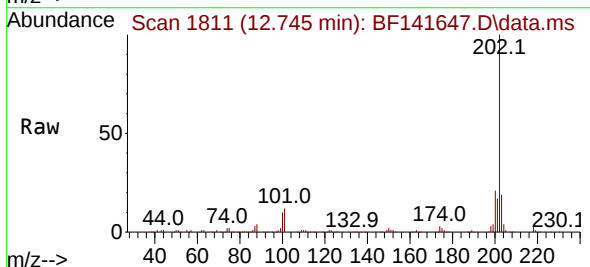
Tgt Ion:202 Resp: 146779

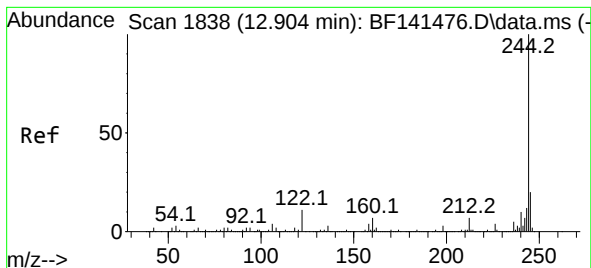
Ion Ratio Lower Upper

202 100

200 20.6 17.0 25.4

203 18.8 14.3 21.5





#79

Terphenyl-d14

Concen: 43.838 ng

RT: 12.892 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141647.D

Acq: 14 Feb 2025 18:41

Instrument :

BNA_F

ClientSampleId :

VNJ-214

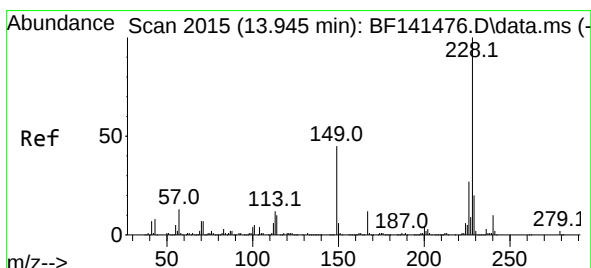
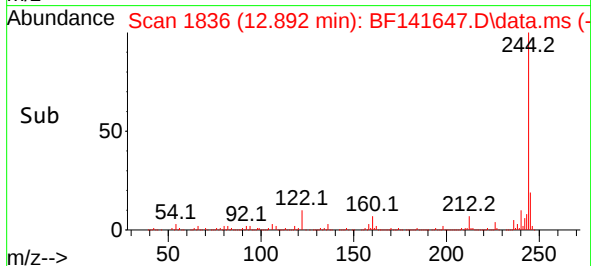
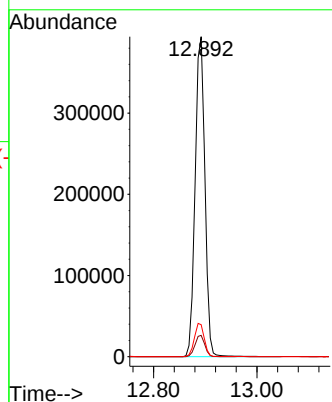
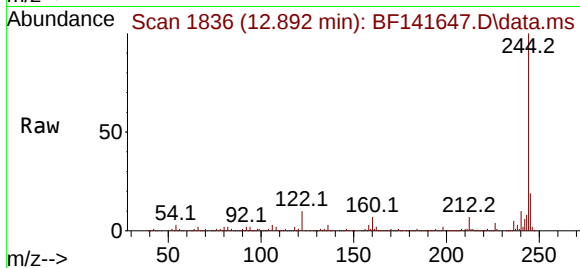
Tgt Ion:244 Resp: 517450

Ion Ratio Lower Upper

244 100

212 6.6 5.6 8.4

122 10.0 8.4 12.6



#81

Benzo(a)anthracene

Concen: 4.783 ng

RT: 13.939 min Scan# 2014

Delta R.T. -0.012 min

Lab File: BF141647.D

Acq: 14 Feb 2025 18:41

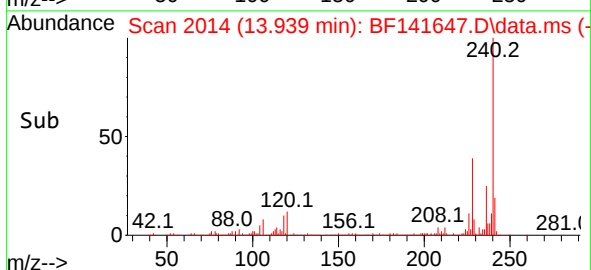
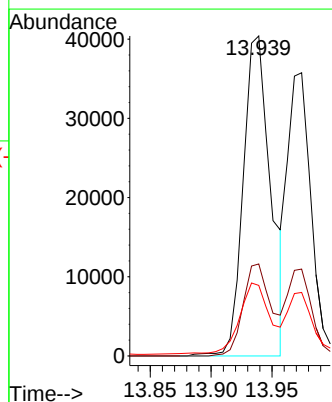
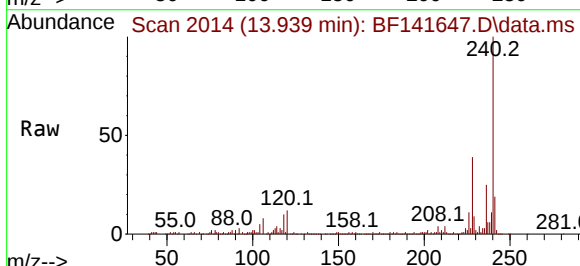
Tgt Ion:228 Resp: 63354

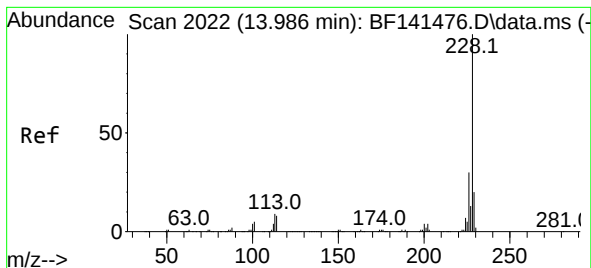
Ion Ratio Lower Upper

228 100

226 28.7 21.8 32.8

229 22.0 15.8 23.6





#83

Chrysene

Concen: 3.933 ng

RT: 13.974 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF141647.D

Acq: 14 Feb 2025 18:41

Instrument :

BNA_F

ClientSampleId :

VNJ-214

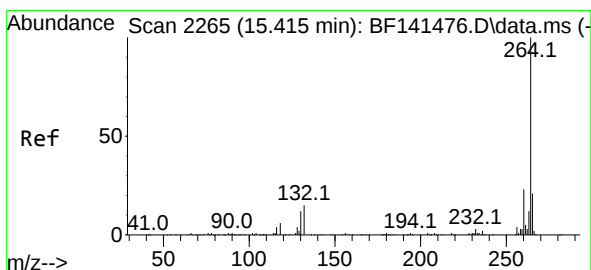
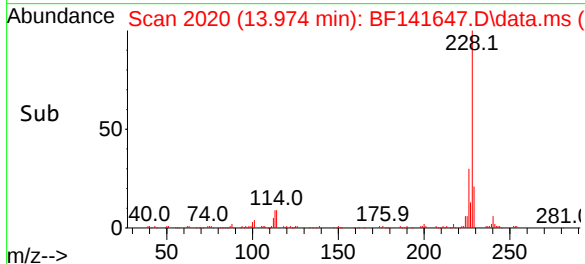
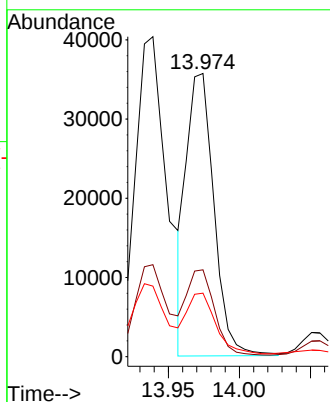
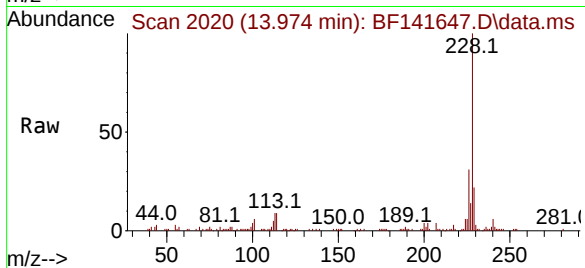
Tgt Ion:228 Resp: 48105

Ion Ratio Lower Upper

228 100

226 30.7 24.0 36.0

229 22.4 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.404 min Scan# 2263

Delta R.T. -0.012 min

Lab File: BF141647.D

Acq: 14 Feb 2025 18:41

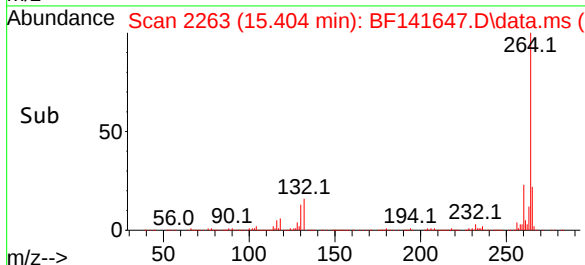
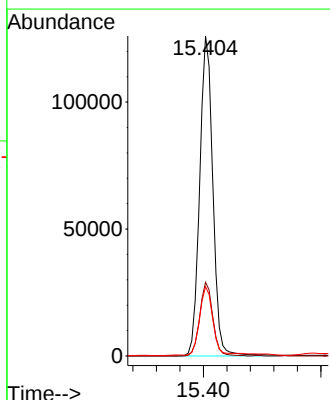
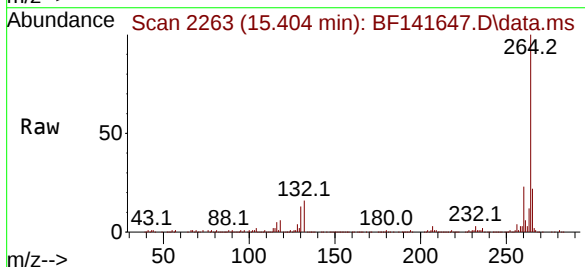
Tgt Ion:264 Resp: 195856

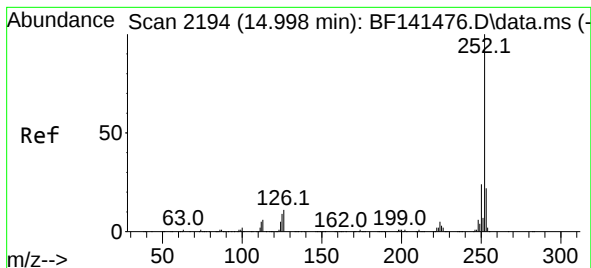
Ion Ratio Lower Upper

264 100

260 23.0 18.6 28.0

265 21.7 17.0 25.4





#88

Benzo(b)fluoranthene

Concen: 5.664 ng

RT: 14.986 min Scan# 2192

Delta R.T. -0.018 min

Lab File: BF141647.D

Acq: 14 Feb 2025 18:41

Instrument :

BNA_F

ClientSampleId :

VNJ-214

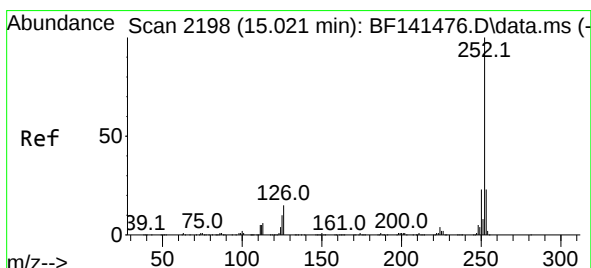
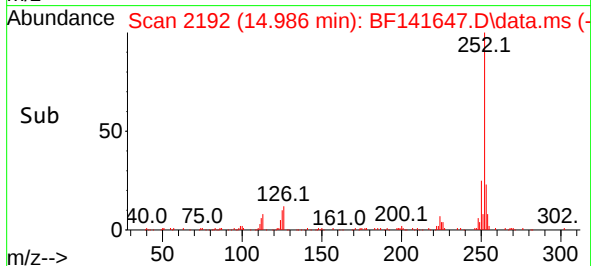
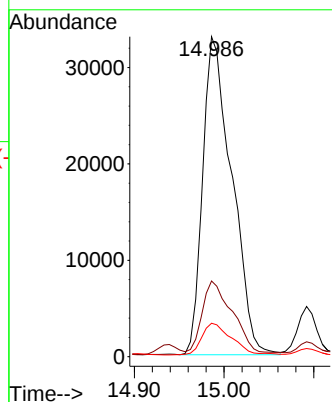
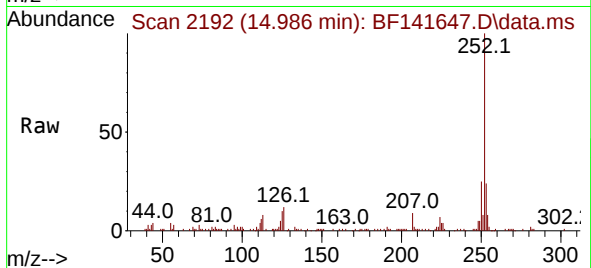
Tgt Ion:252 Resp: 74484

Ion Ratio Lower Upper

252 100

253 23.7 17.5 26.3

125 10.5 7.0 10.6



#89

Benzo(k)fluoranthene

Concen: 6.633 ng

RT: 14.986 min Scan# 2192

Delta R.T. -0.047 min

Lab File: BF141647.D

Acq: 14 Feb 2025 18:41

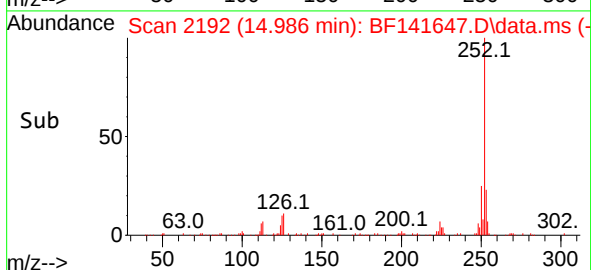
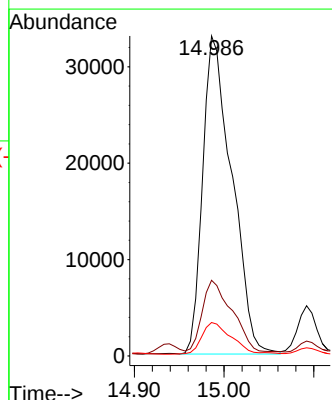
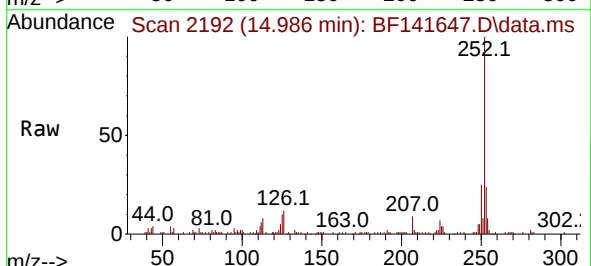
Tgt Ion:252 Resp: 74484

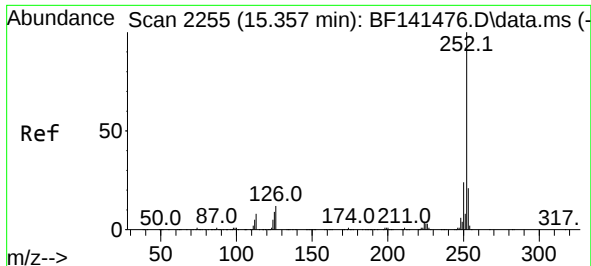
Ion Ratio Lower Upper

252 100

253 23.7 18.0 27.0

125 10.5 7.4 11.0

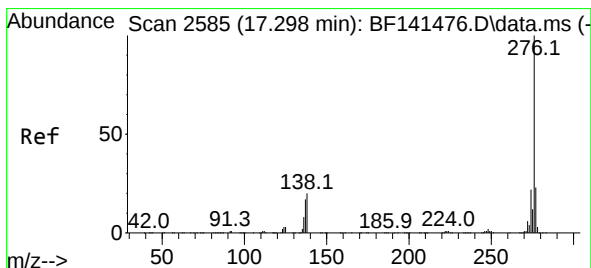
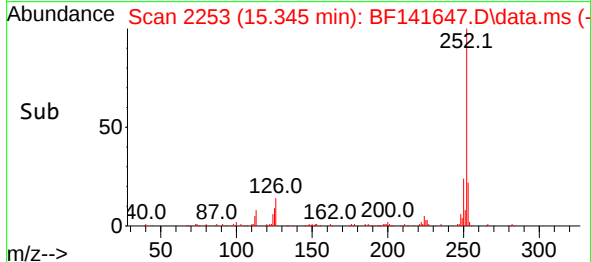
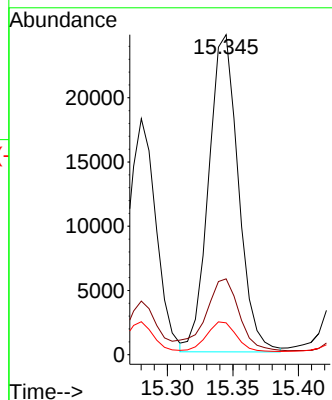
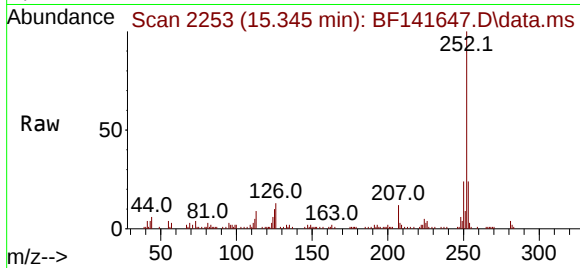




#90
Benzo(a)pyrene
Concen: 3.663 ng
RT: 15.345 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF141647.D
Acq: 14 Feb 2025 18:41

Instrument :
BNA_F
ClientSampleId :
VNJ-214

Tgt Ion:	252	Resp:	38981
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.1	25.7
125	9.9	7.4	11.2



#92
Benzo(g,h,i)perylene
Concen: 2.080 ng
RT: 17.274 min Scan# 2581
Delta R.T. -0.041 min
Lab File: BF141647.D
Acq: 14 Feb 2025 18:41

Tgt Ion:	276	Resp:	21347
Ion Ratio	Lower	Upper	
276	100		
277	23.6	18.6	28.0
138	19.8	15.9	23.9

