

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021425\
 Data File : BF141646.D
 Acq On : 14 Feb 2025 18:15
 Operator : RC/JU
 Sample : Q1365-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-213

Quant Time: Feb 14 22:05:42 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)

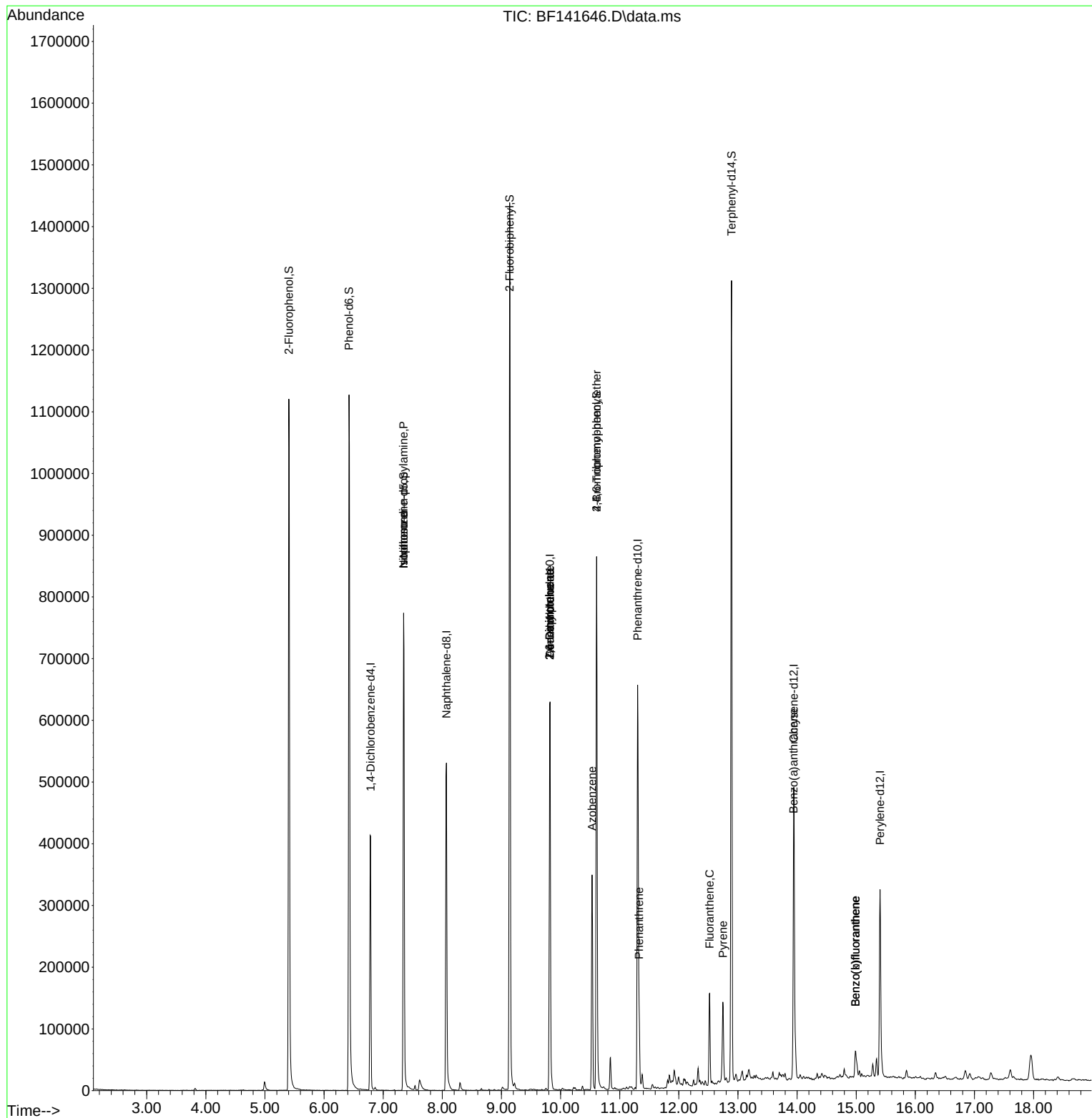
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	90249	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	373766	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	207159	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	355207	20.000	ng	-0.01
76) Chrysene-d12	13.945	240	218380	20.000	ng	-0.02
86) Perylene-d12	15.404	264	183650	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	441342	76.667	ng	0.00
7) Phenol-d6	6.422	99	543418	74.687	ng	-0.02
23) Nitrobenzene-d5	7.345	82	354867	49.521	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	142628	68.538	ng	-0.02
45) 2-Fluorobiphenyl	9.139	172	652693	48.541	ng	-0.01
79) Terphenyl-d14	12.892	244	641585	49.597	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	46636	10.716	ng	# 78
25) Isophorone	7.345	82	342827	30.004	ng	# 66
50) Dimethylphthalate	9.822	163	30322	2.156	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	26672	8.676	ng	# 22
57) 2,4-Dinitrotoluene	9.816	165	26672	6.517	ng	# 18
63) Azobenzene	10.533	77	87723	6.377	ng	# 1
67) 4-Bromophenyl-phenylether	10.610	248	10127	2.551	ng	# 1
71) Phenanthrene	11.327	178	59667	3.052	ng	99
75) Fluoranthene	12.521	202	92287	4.452	ng	99
78) Pyrene	12.745	202	78361	4.215	ng	97
81) Benzo(a)anthracene	13.939	228	35218	2.426	ng	96
88) Benzo(b)fluoranthene	14.986	252	36614	2.969	ng	# 96
89) Benzo(k)fluoranthene	14.986	252	36614	3.477	ng	# 97

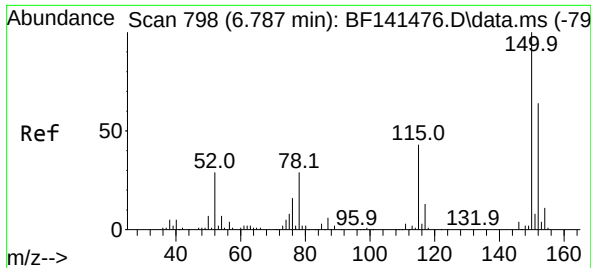
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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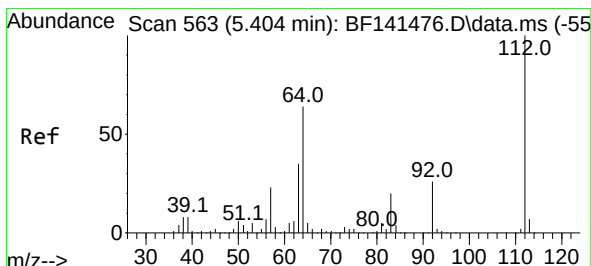
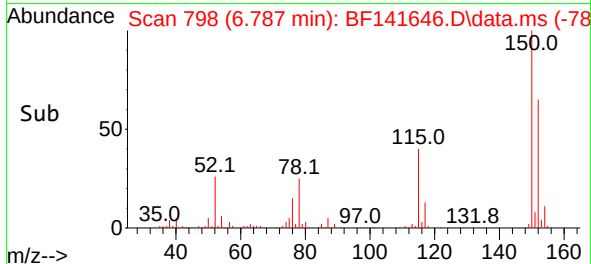
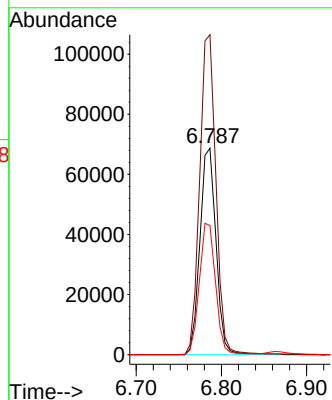
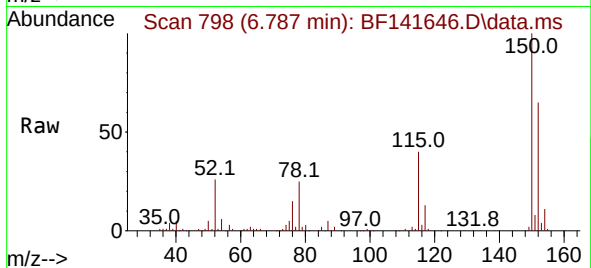




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.005 min
Lab File: BF141646.D
Acq: 14 Feb 2025 18:15

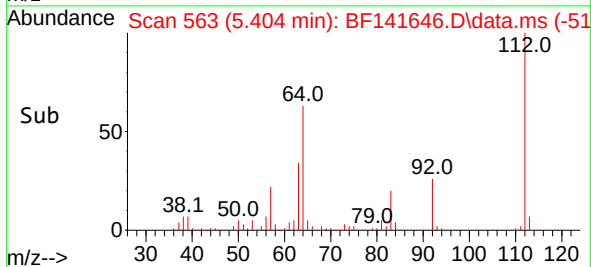
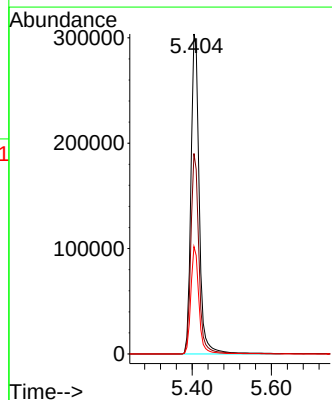
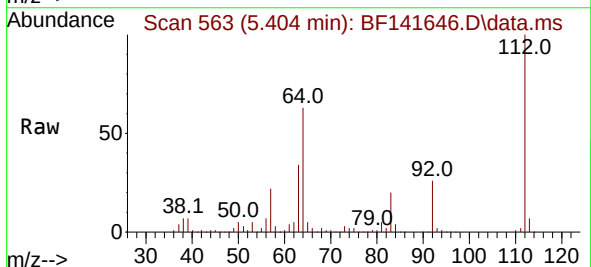
Instrument :
BNA_F
ClientSampleId :
VNJ-213

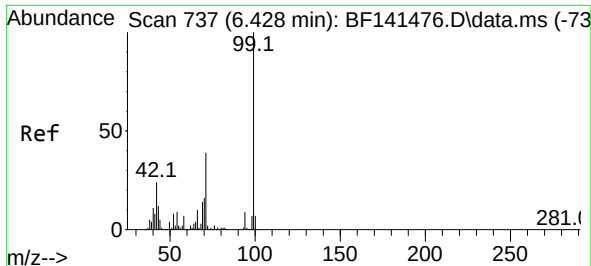
Tgt Ion:152 Resp: 90249
Ion Ratio Lower Upper
152 100
150 155.0 125.0 187.4
115 62.5 53.6 80.4



#5
2-Fluorophenol
Concen: 76.667 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141646.D
Acq: 14 Feb 2025 18:15

Tgt Ion:112 Resp: 441342
Ion Ratio Lower Upper
112 100
64 62.7 51.1 76.7
63 33.6 28.4 42.6

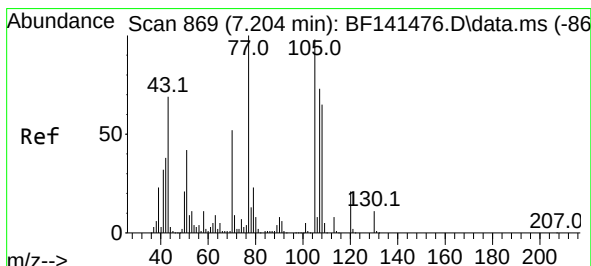
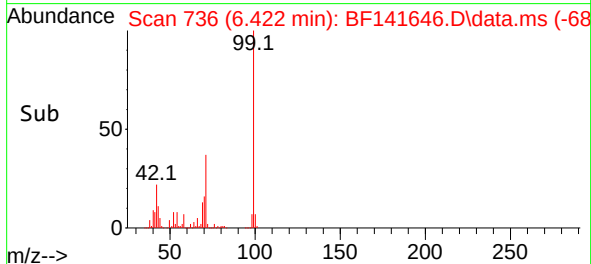
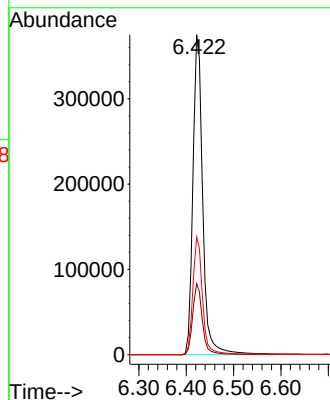
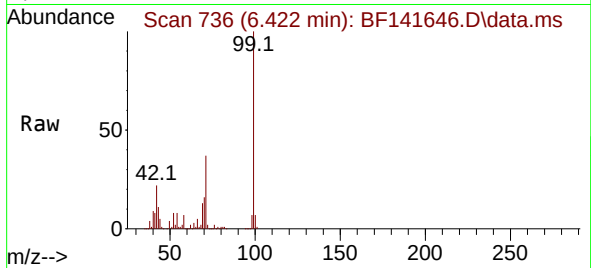




#7
Phenol-d6
Concen: 74.687 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF141646.D
Acq: 14 Feb 2025 18:15

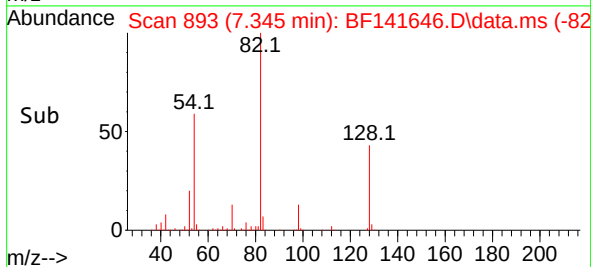
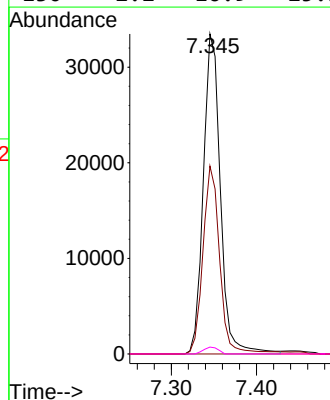
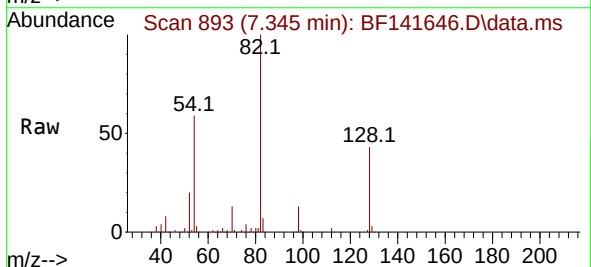
Instrument :
BNA_F
ClientSampleId :
VNJ-213

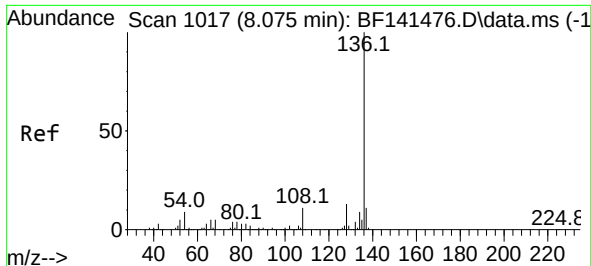
Tgt Ion: 99 Resp: 543418
Ion Ratio Lower Upper
99 100
42 22.2 19.1 28.7
71 36.8 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 10.716 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.130 min
Lab File: BF141646.D
Acq: 14 Feb 2025 18:15

Tgt Ion: 70 Resp: 46636
Ion Ratio Lower Upper
70 100
42 58.7 57.4 86.2
101 0.0 8.0 12.0#
130 2.2 16.9 25.3#

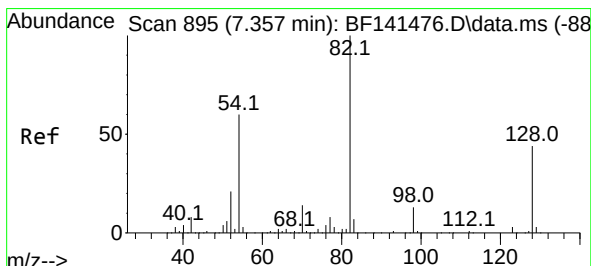
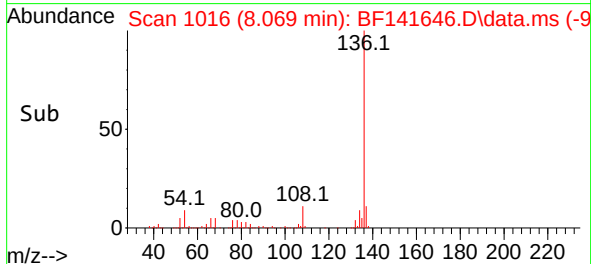
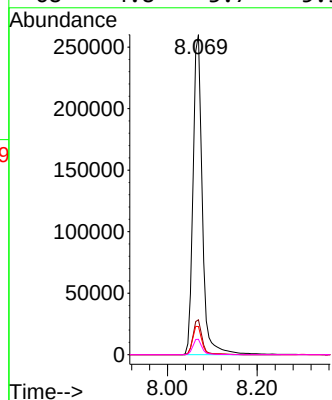
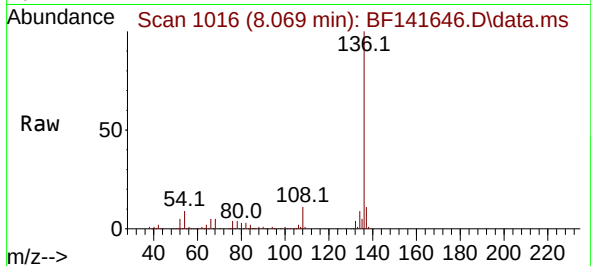




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF141646.D
Acq: 14 Feb 2025 18:15

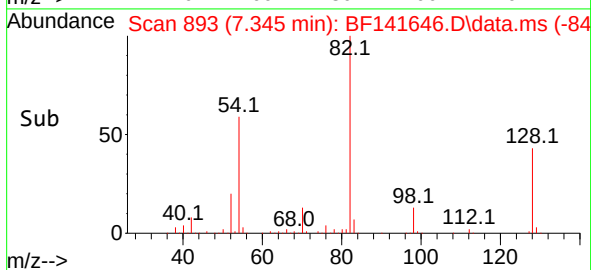
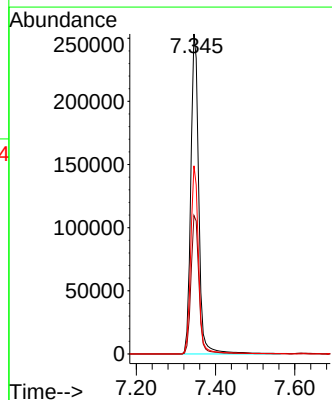
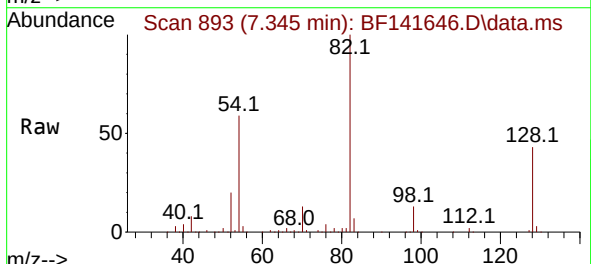
Instrument :
BNA_F
ClientSampleId :
VNJ-213

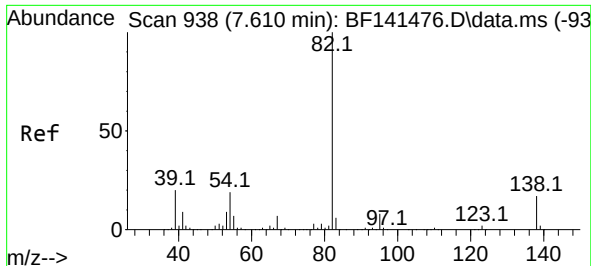
Tgt	Ion:136	Resp:	373766
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.8	7.2	10.8
68	4.8	3.7	5.5



#23
Nitrobenzene-d5
Concen: 49.521 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.018 min
Lab File: BF141646.D
Acq: 14 Feb 2025 18:15

Tgt Ion: 82	Resp: 354867
Ion Ratio	Lower Upper
82 100	
128 43.2	34.8 52.2
54 58.8	48.2 72.4

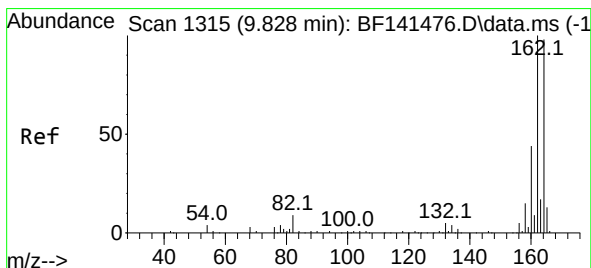
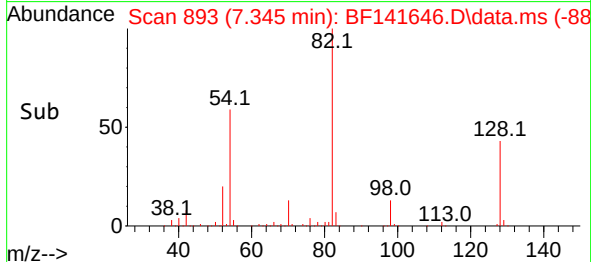
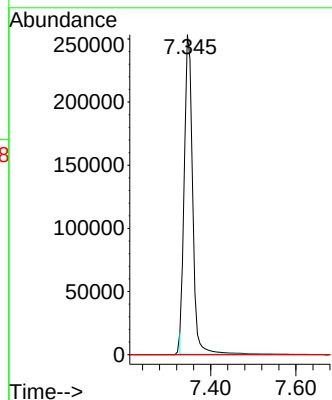
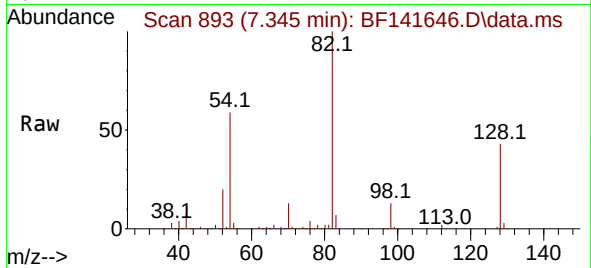




#25
Isophorone
Concen: 30.004 ng
RT: 7.345 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF141646.D
Acq: 14 Feb 2025 18:15

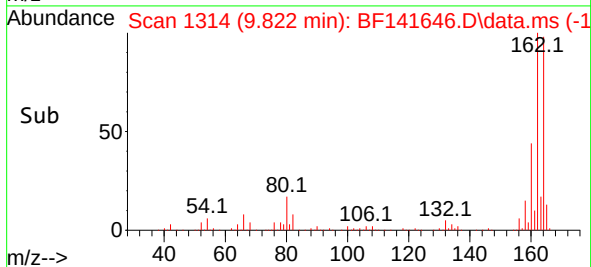
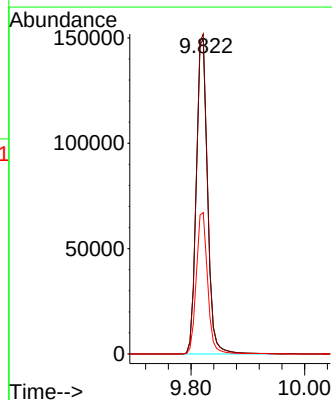
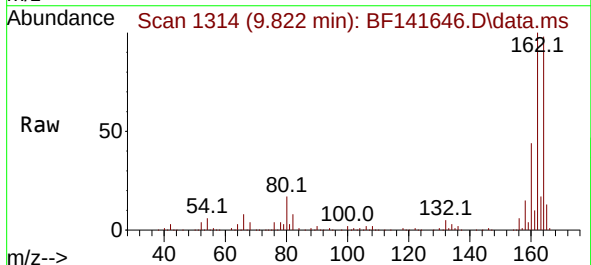
Instrument :
BNA_F
ClientSampleId :
VNJ-213

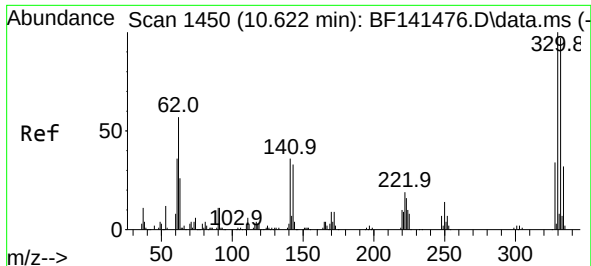
Tgt Ion: 82 Resp: 342827
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF141646.D
Acq: 14 Feb 2025 18:15

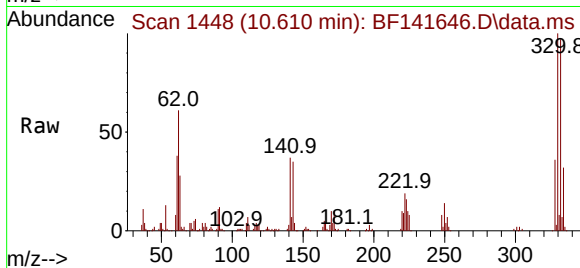
Tgt Ion:164 Resp: 207159
Ion Ratio Lower Upper
164 100
162 101.6 81.3 121.9
160 44.9 35.9 53.9



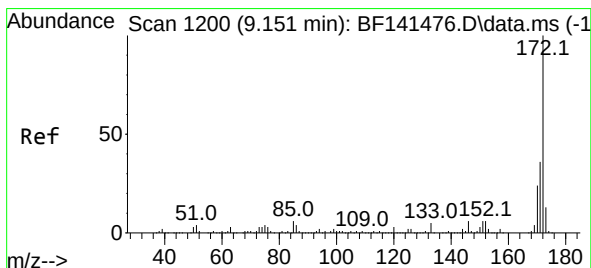
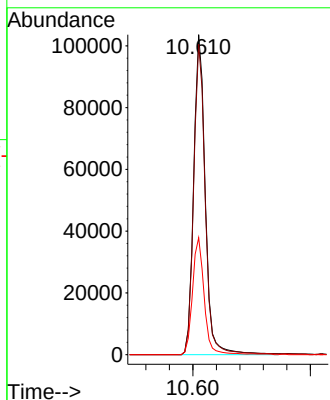
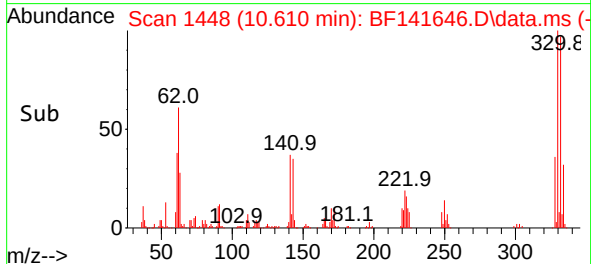


#42
2,4,6-Tribromophenol
Concen: 68.538 ng
RT: 10.610 min Scan# 1448
Delta R.T. -0.018 min
Lab File: BF141646.D
Acq: 14 Feb 2025 18:15

Instrument :
BNA_F
ClientSampleId :
VNJ-213

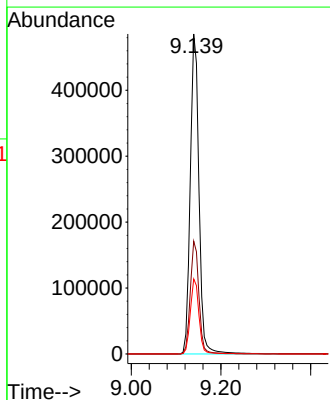
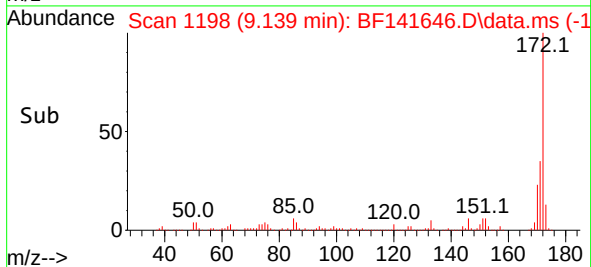
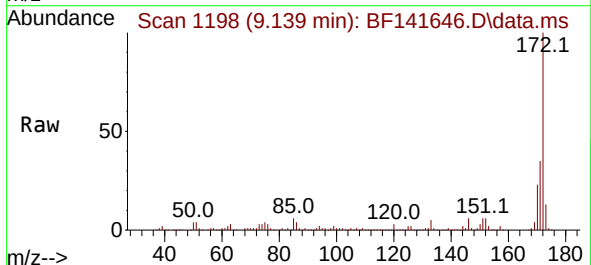


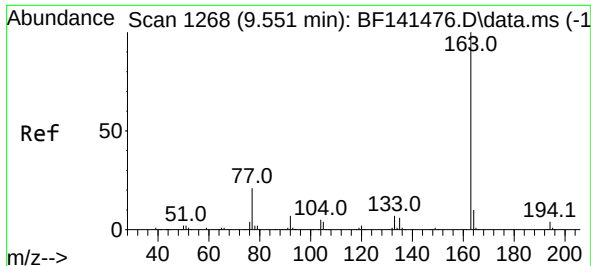
Tgt Ion:330 Resp: 142628
Ion Ratio Lower Upper
330 100
332 96.6 78.5 117.7
141 36.5 31.0 46.4



#45
2-Fluorobiphenyl
Concen: 48.541 ng
RT: 9.139 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF141646.D
Acq: 14 Feb 2025 18:15

Tgt Ion:172 Resp: 652693
Ion Ratio Lower Upper
172 100
171 35.2 28.7 43.1
170 23.5 18.9 28.3

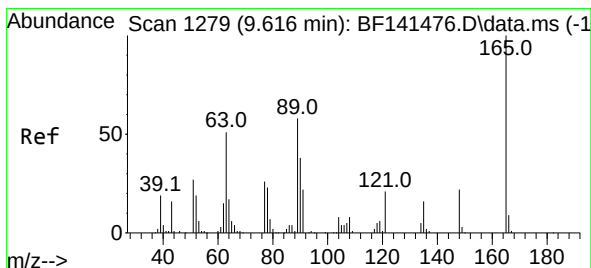
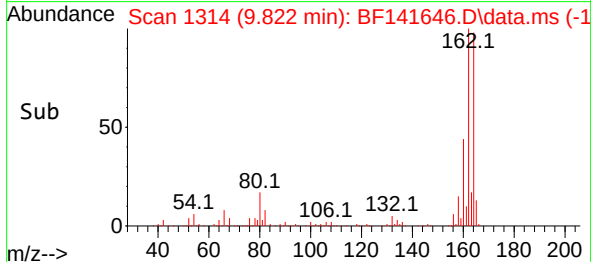
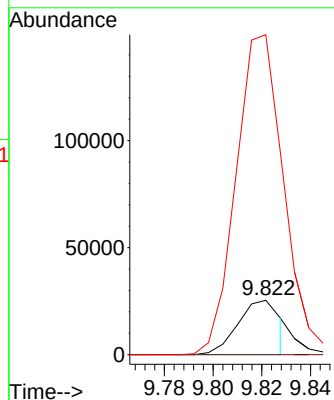
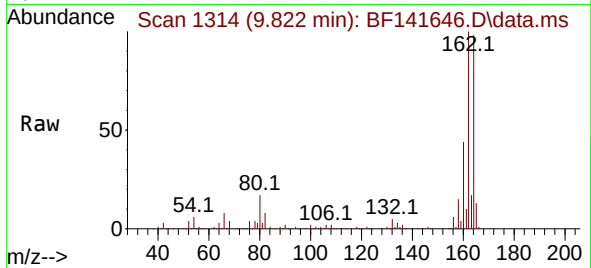




#50
Dimethylphthalate
Concen: 2.156 ng
RT: 9.822 min Scan# 11
Delta R.T. 0.259 min
Lab File: BF141646.D
Acq: 14 Feb 2025 18:15

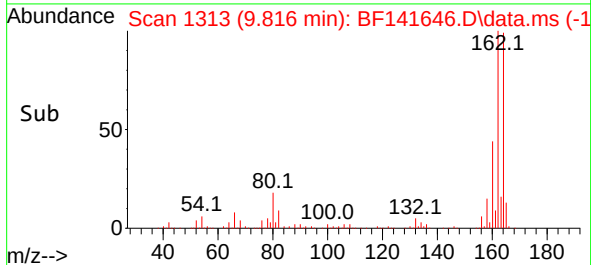
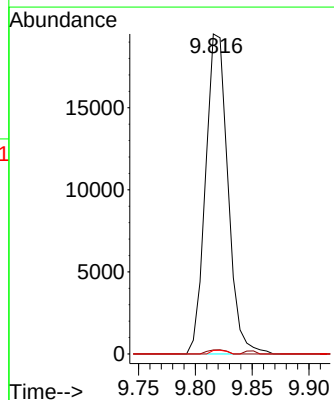
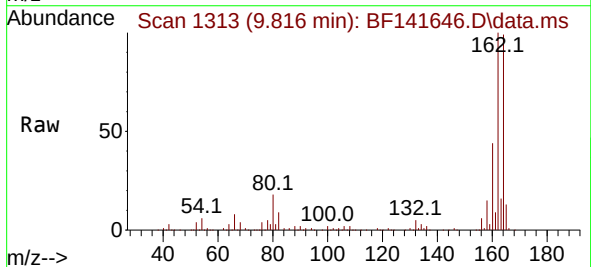
Instrument :
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VNJ-213

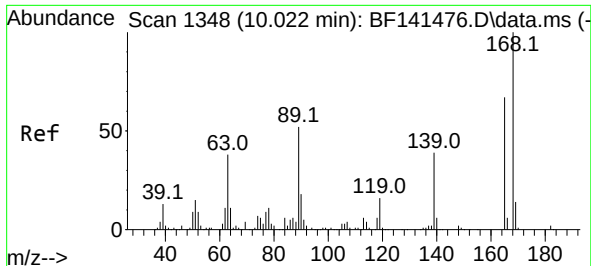
Tgt Ion:163 Resp: 30322
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.4#
164 588.9 7.9 11.9#



#51
2,6-Dinitrotoluene
Concen: 8.676 ng
RT: 9.816 min Scan# 1313
Delta R.T. 0.194 min
Lab File: BF141646.D
Acq: 14 Feb 2025 18:15

Tgt Ion:165 Resp: 26672
Ion Ratio Lower Upper
165 100
63 1.2 49.4 74.0#
89 1.1 46.5 69.7#

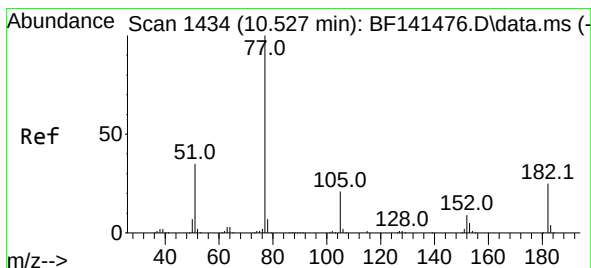
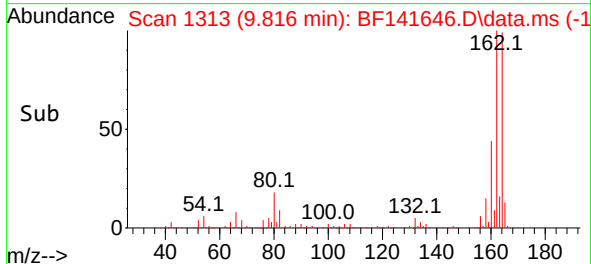
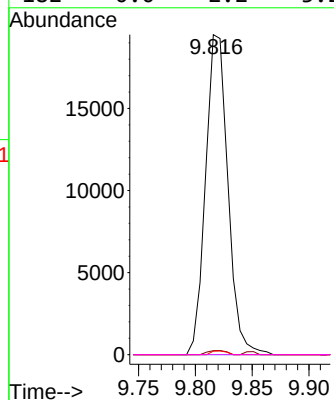
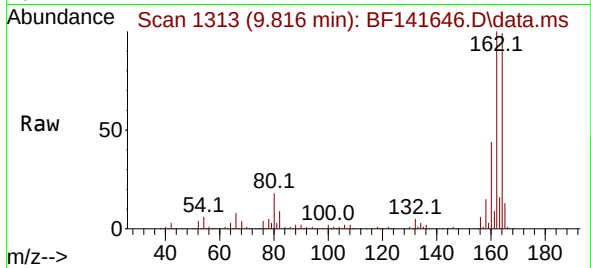




#57
2,4-Dinitrotoluene
Concen: 6.517 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.212 min
Lab File: BF141646.D
Acq: 14 Feb 2025 18:15

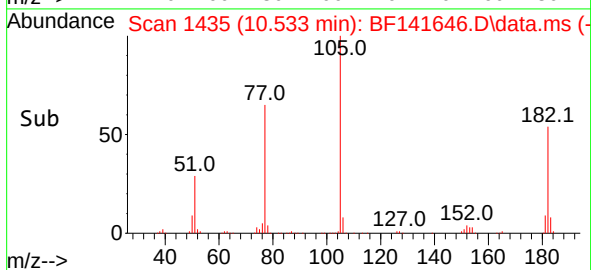
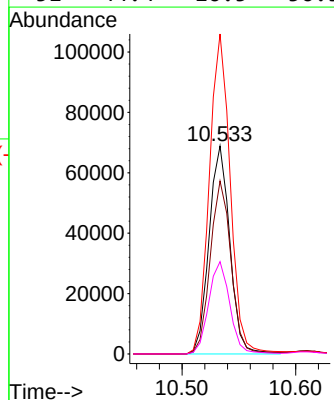
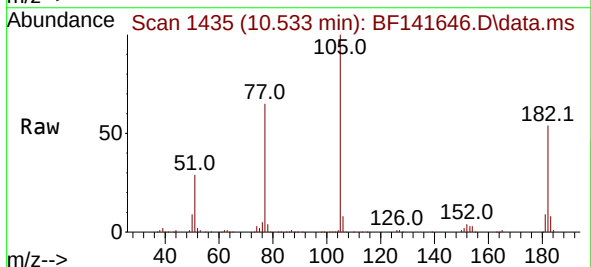
Instrument :
BNA_F
ClientSampleId :
VNJ-213

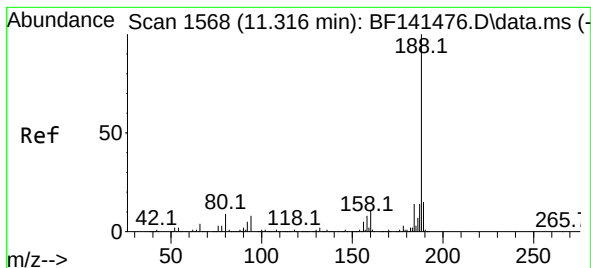
Tgt Ion:165 Resp: 26672
Ion Ratio Lower Upper
165 100
63 1.2 46.4 69.6#
89 1.1 61.8 92.6#
182 0.0 2.2 3.2#



#63
Azobenzene
Concen: 6.377 ng
RT: 10.533 min Scan# 1435
Delta R.T. 0.000 min
Lab File: BF141646.D
Acq: 14 Feb 2025 18:15

Tgt Ion: 77 Resp: 87723
Ion Ratio Lower Upper
77 100
182 83.2 4.7 44.7#
105 153.8 0.4 40.4#
51 44.4 16.5 56.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.304 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141646.D

Acq: 14 Feb 2025 18:15

Instrument :

BNA_F

ClientSampleId :

VNJ-213

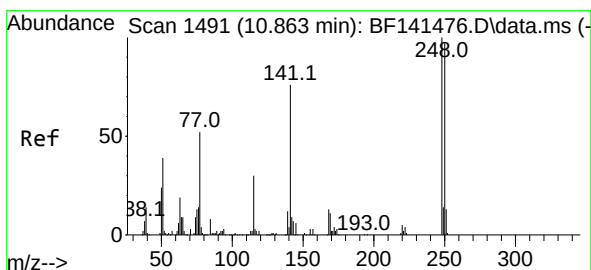
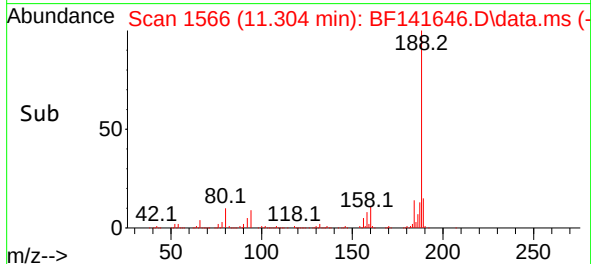
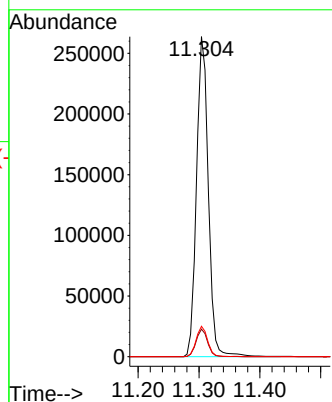
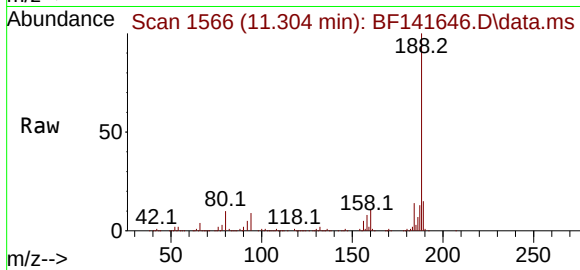
Tgt Ion:188 Resp: 355207

Ion Ratio Lower Upper

188 100

94 8.6 6.6 10.0

80 9.5 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 2.551 ng

RT: 10.610 min Scan# 1448

Delta R.T. -0.253 min

Lab File: BF141646.D

Acq: 14 Feb 2025 18:15

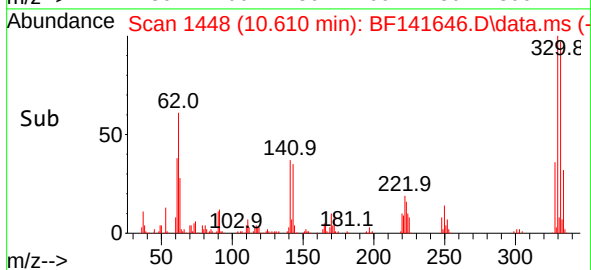
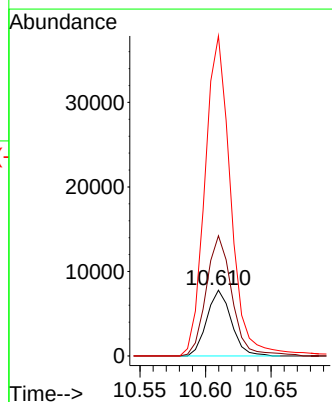
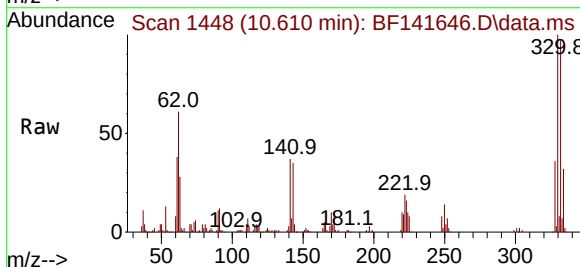
Tgt Ion:248 Resp: 10127

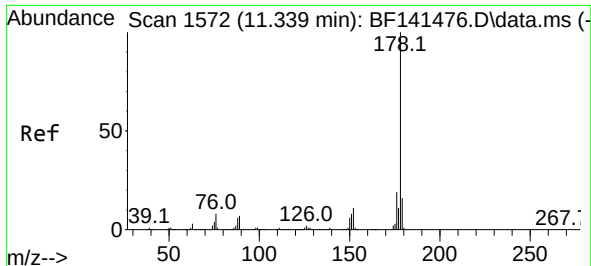
Ion Ratio Lower Upper

248 100

250 182.5 77.8 116.6#

141 486.2 60.6 90.8#

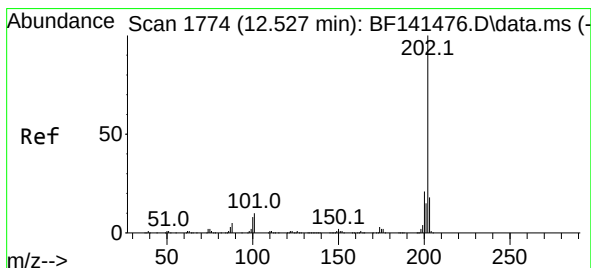
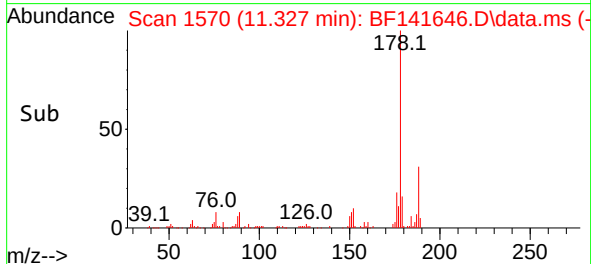
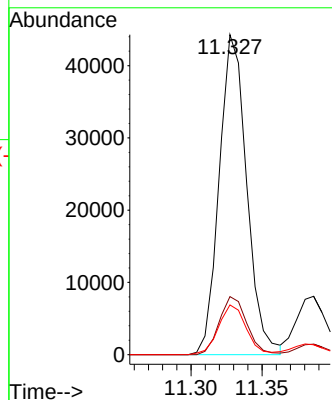
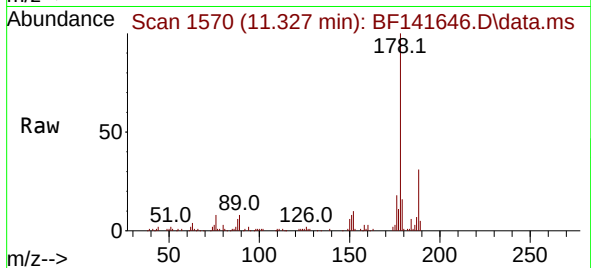




#71
Phenanthrene
Concen: 3.052 ng
RT: 11.327 min Scan# 1173
Delta R.T. -0.018 min
Lab File: BF141646.D
Acq: 14 Feb 2025 18:15

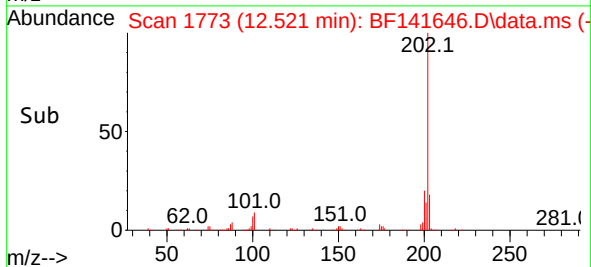
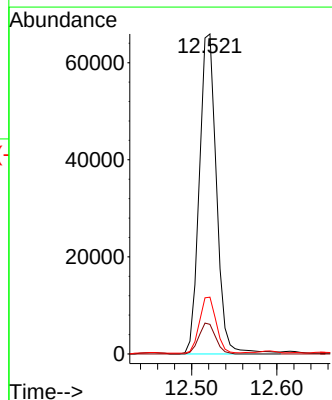
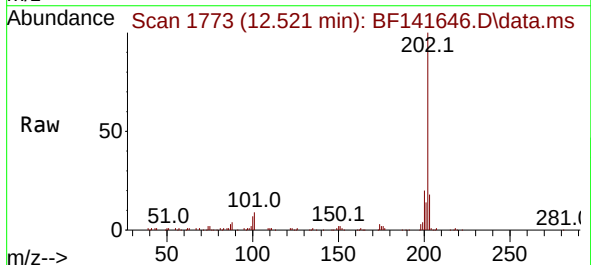
Instrument :
BNA_F
ClientSampleId :
VNJ-213

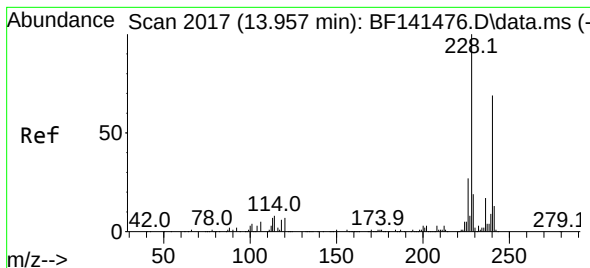
Tgt Ion:178	Resp:	59667
Ion Ratio	Lower	Upper
178	100	
176	18.2	15.4 23.0
179	15.6	12.4 18.6



#75
Fluoranthene
Concen: 4.452 ng
RT: 12.521 min Scan# 1773
Delta R.T. -0.012 min
Lab File: BF141646.D
Acq: 14 Feb 2025 18:15

Tgt Ion:202	Resp:	92287
Ion Ratio	Lower	Upper
202	100	
101	9.3	0.0 30.2
203	17.8	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: BF141646.D

Acq: 14 Feb 2025 18:15

Instrument :

BNA_F

ClientSampleId :

VNJ-213

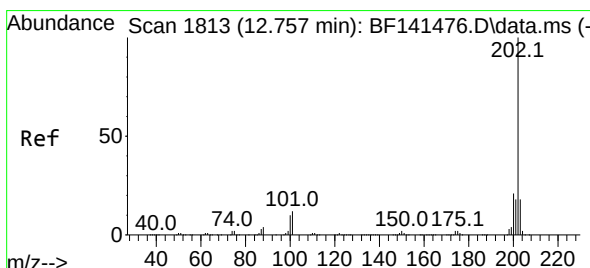
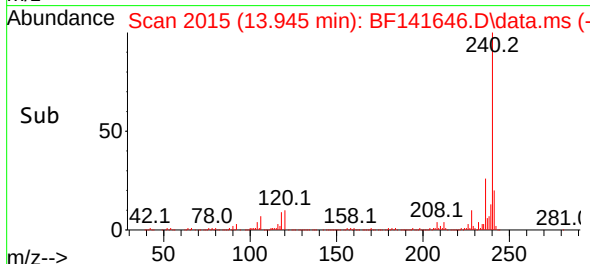
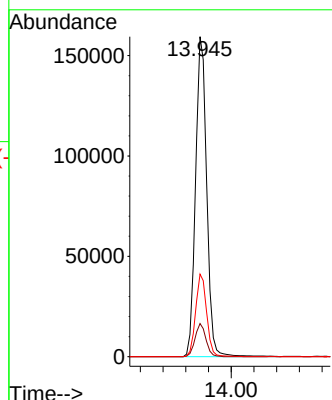
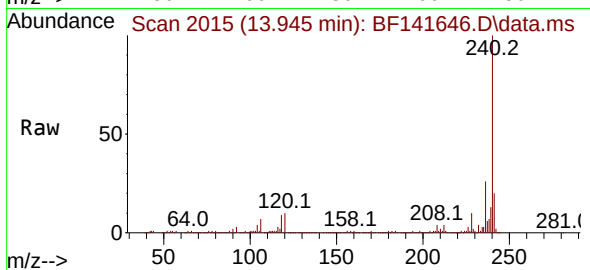
Tgt Ion:240 Resp: 218380

Ion Ratio Lower Upper

240 100

120 10.4 8.0 12.0

236 25.8 19.8 29.8



#78

Pyrene

Concen: 4.215 ng

RT: 12.745 min Scan# 1811

Delta R.T. -0.018 min

Lab File: BF141646.D

Acq: 14 Feb 2025 18:15

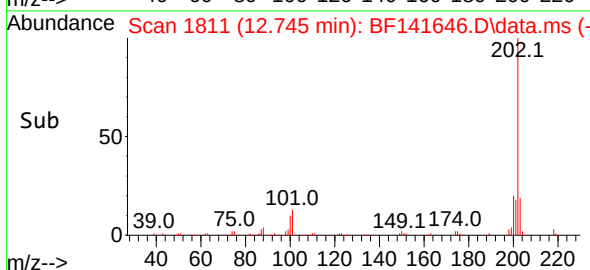
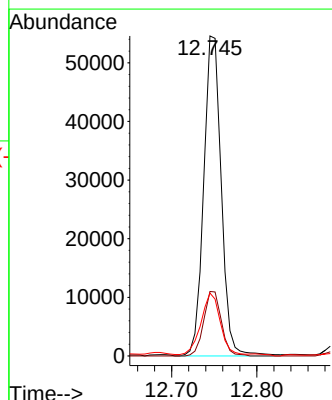
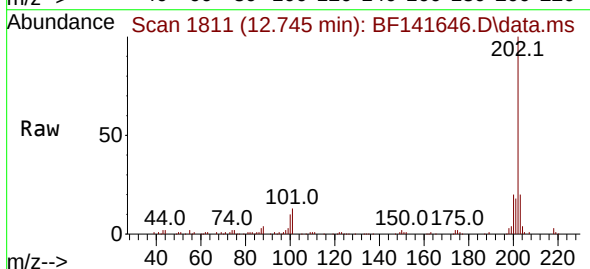
Tgt Ion:202 Resp: 78361

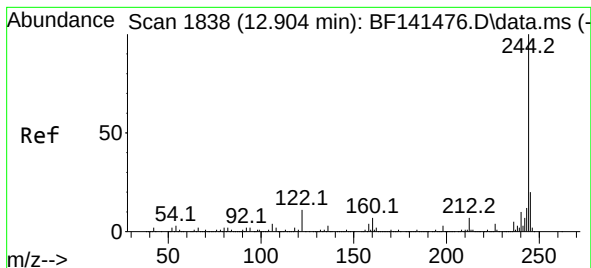
Ion Ratio Lower Upper

202 100

200 20.1 17.0 25.4

203 19.6 14.3 21.5





#79

Terphenyl-d14

Concen: 49.597 ng

RT: 12.892 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141646.D

Acq: 14 Feb 2025 18:15

Instrument :

BNA_F

ClientSampleId :

VNJ-213

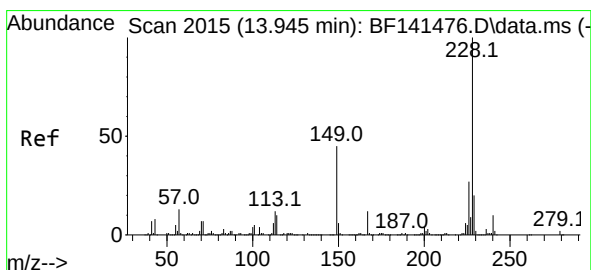
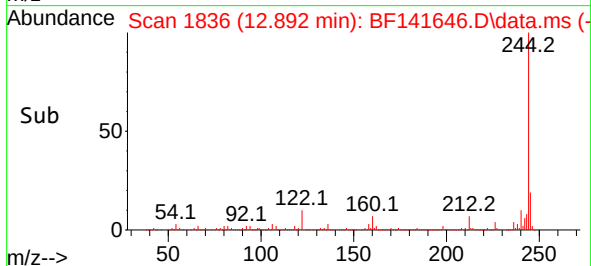
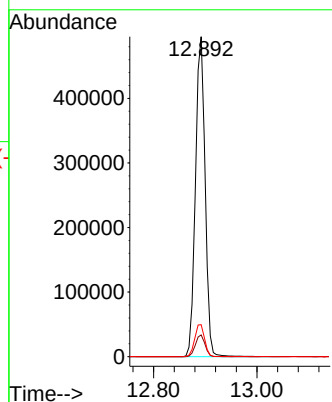
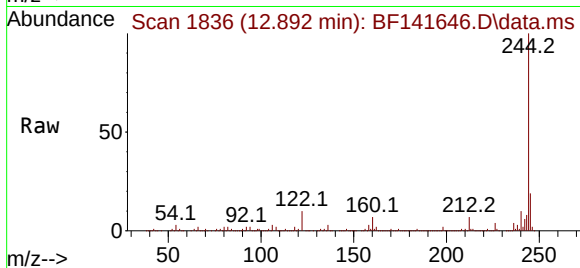
Tgt Ion:244 Resp: 641585

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

122 10.0 8.4 12.6



#81

Benzo(a)anthracene

Concen: 2.426 ng

RT: 13.939 min Scan# 2014

Delta R.T. -0.012 min

Lab File: BF141646.D

Acq: 14 Feb 2025 18:15

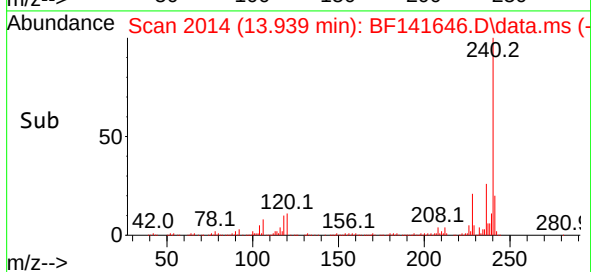
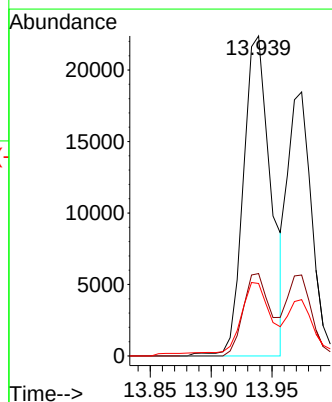
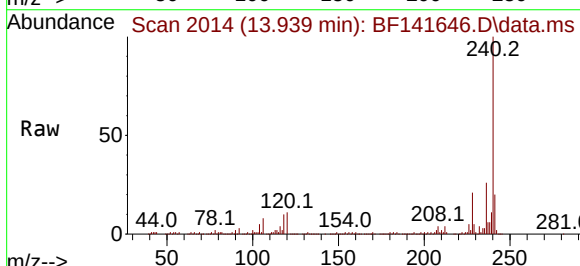
Tgt Ion:228 Resp: 35218

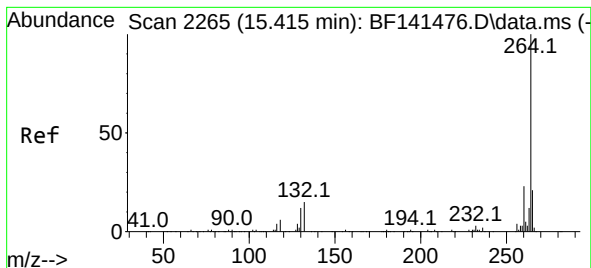
Ion Ratio Lower Upper

228 100

226 25.7 21.8 32.8

229 22.7 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.404 min Scan# 2192

Delta R.T. -0.012 min

Lab File: BF141646.D

Acq: 14 Feb 2025 18:15

Instrument :

BNA_F

ClientSampleId :

VNJ-213

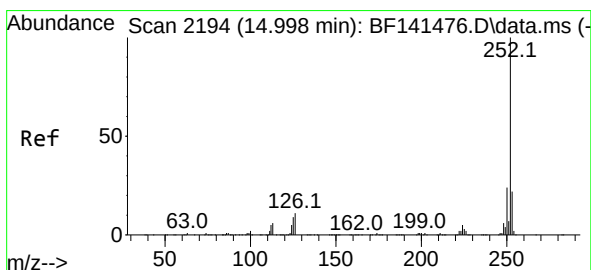
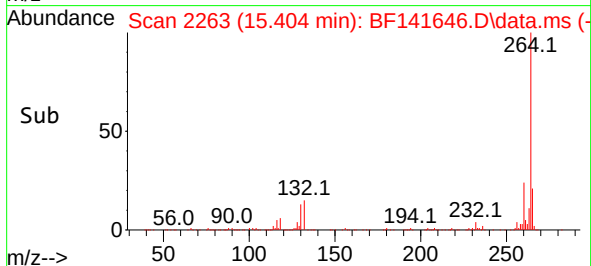
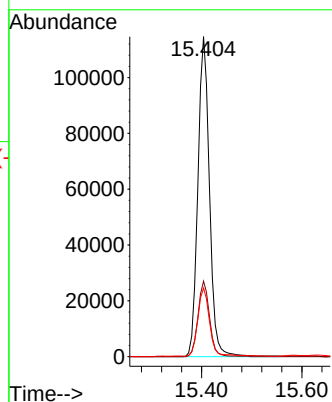
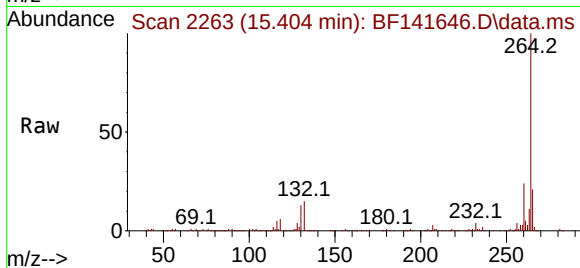
Tgt Ion:264 Resp: 183650

Ion Ratio Lower Upper

264 100

260 23.6 18.6 28.0

265 21.5 17.0 25.4



#88

Benzo(b)fluoranthene

Concen: 2.969 ng

RT: 14.986 min Scan# 2192

Delta R.T. -0.018 min

Lab File: BF141646.D

Acq: 14 Feb 2025 18:15

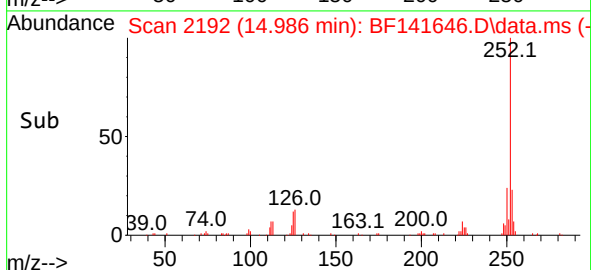
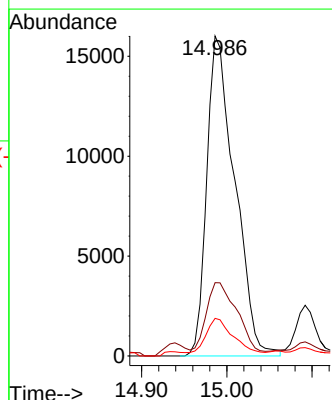
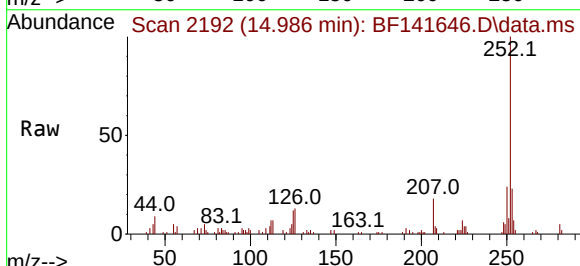
Tgt Ion:252 Resp: 36614

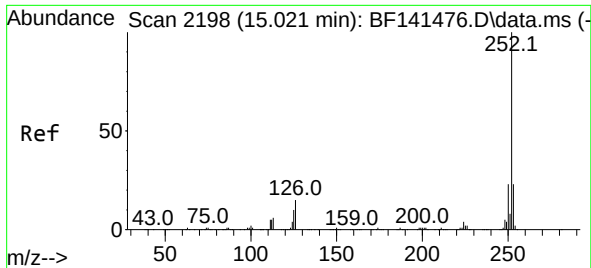
Ion Ratio Lower Upper

252 100

253 22.9 17.5 26.3

125 11.8 7.0 10.6#





#89

Benzo(k)fluoranthene

Concen: 3.477 ng

RT: 14.986 min Scan# 21

Delta R.T. -0.047 min

Lab File: BF141646.D

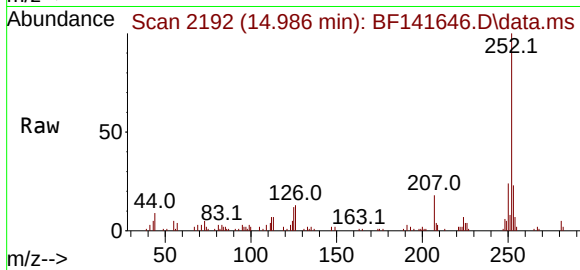
Acq: 14 Feb 2025 18:15

Instrument :

BNA_F

ClientSampleId :

VNJ-213



Tgt Ion:252 Resp: 36614

Ion Ratio Lower Upper

252 100

253 22.9 18.0 27.0

125 11.8 7.4 11.0#

