

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102524\
 Data File : BF140043.D
 Acq On : 25 Oct 2024 17:53
 Operator : RC/JU
 Sample : P4512-03RE
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-212

Quant Time: Oct 25 18:16:44 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

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

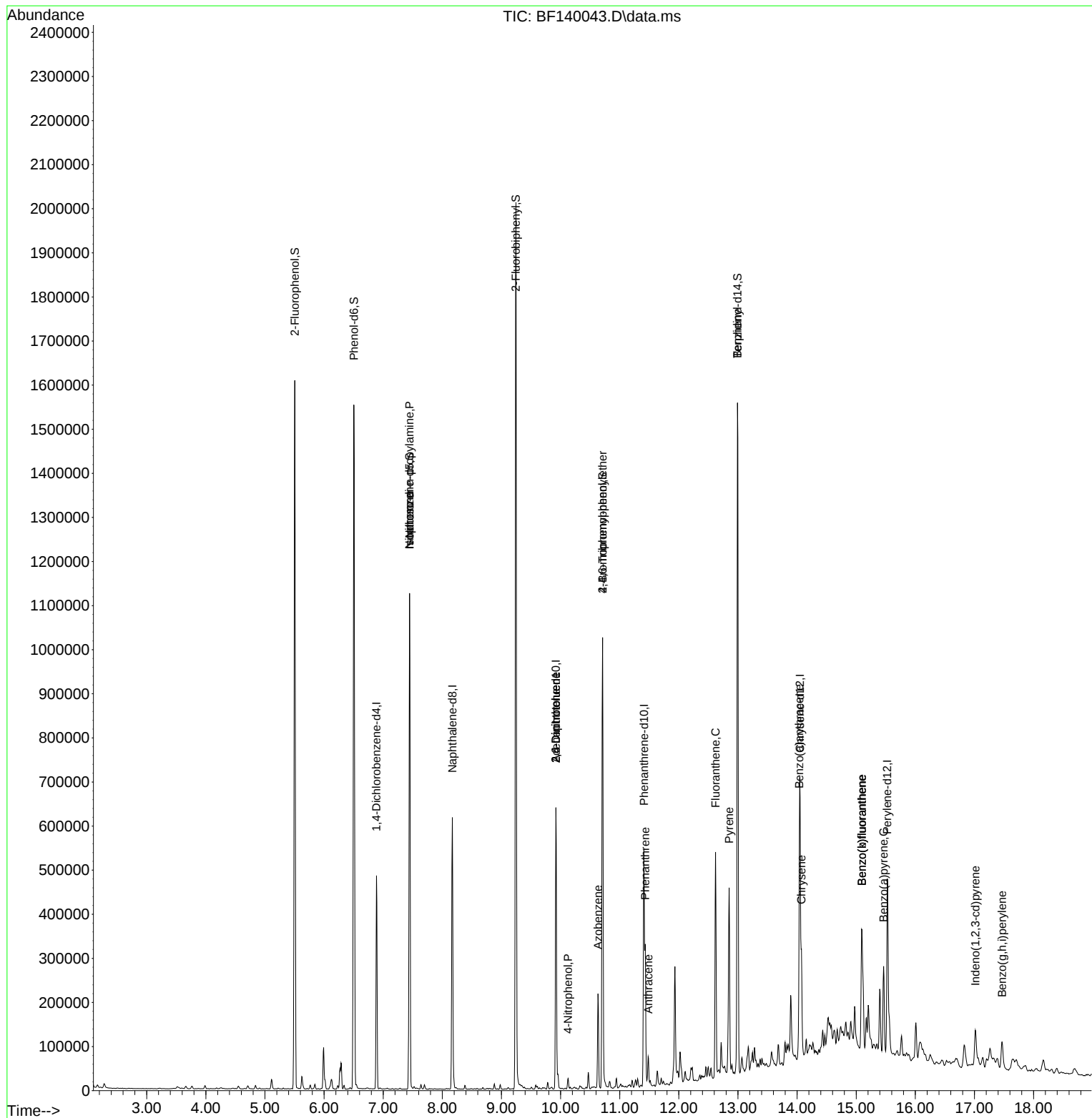
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	97074	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	365120	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	188796	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	278132	20.000	ng	0.00
76) Chrysene-d12	14.051	240	212386	20.000	ng	0.00
86) Perylene-d12	15.527	264	237460	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	585670	94.450	ng	0.00
7) Phenol-d6	6.504	99	729586	90.845	ng	0.00
23) Nitrobenzene-d5	7.445	82	493157	74.859	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	173239	98.100	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	911187	79.764	ng	0.00
79) Terphenyl-d14	12.992	244	756961	58.076	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.445	70	66258	13.603	ng	# 76
25) Isophorone	7.445	82	489532	39.151	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	24542	9.639	ng	# 21
56) 4-Nitrophenol	10.127	139	4520	2.237	ng	# 3
57) 2,4-Dinitrotoluene	9.922	165	24542	7.838	ng	# 21
63) Azobenzene	10.633	77	52558	4.294	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	11400	3.979	ng	# 1
71) Phenanthrene	11.433	178	162423	12.363	ng	99
72) Anthracene	11.486	178	38027	2.967	ng	98
75) Fluoranthene	12.621	202	275949	20.777	ng	99
77) Benzidine	12.992	184	9890	2.832	ng	# 92
78) Pyrene	12.851	202	237254	12.762	ng	99
81) Benzo(a)anthracene	14.039	228	145585	10.530	ng	97
83) Chrysene	14.074	228	124156	9.794	ng	98
87) Indeno(1,2,3-cd)pyrene	17.015	276	64374	4.214	ng	95
88) Benzo(b)fluoranthene	15.098	252	253576	17.530	ng	99
89) Benzo(k)fluoranthene	15.098	252	253576	20.327	ng	99
90) Benzo(a)pyrene	15.462	252	123013	10.335	ng	99
92) Benzo(g,h,i)perylene	17.468	276	59079	4.641	ng	97

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

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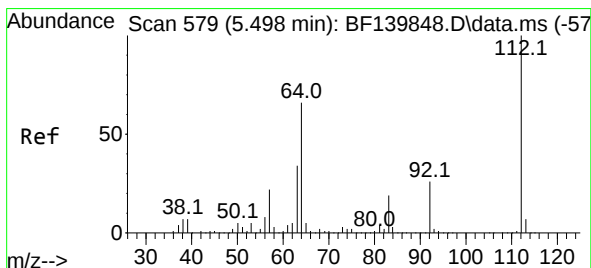
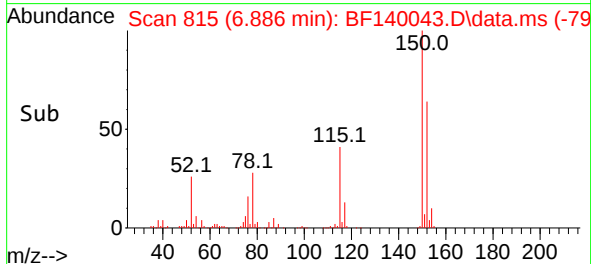
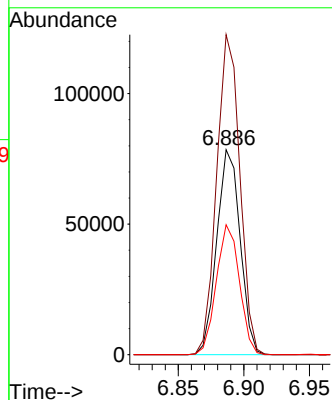
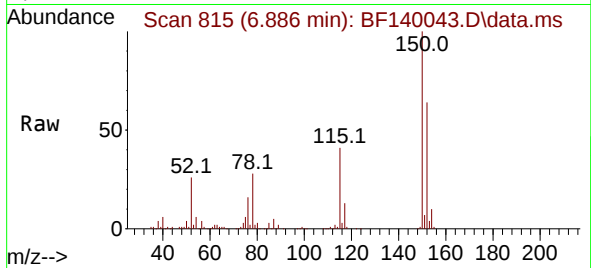




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF140043.D
Acq: 25 Oct 2024 17:53

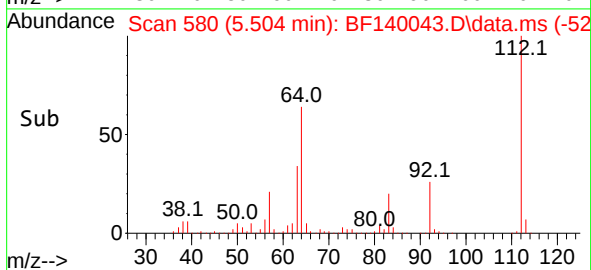
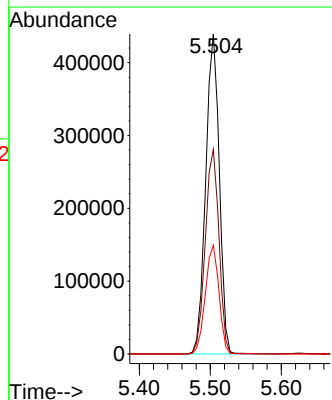
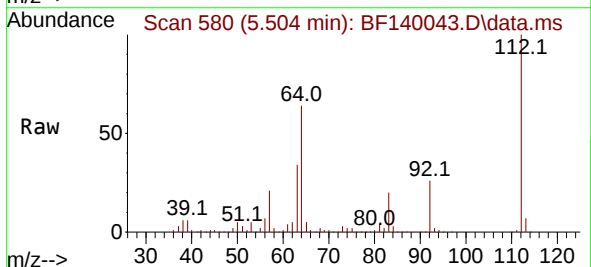
Instrument :
BNA_F
ClientSampleId :
VNJ-212

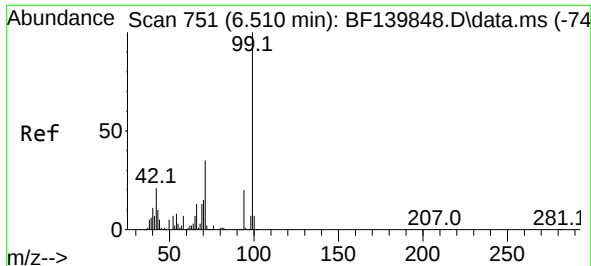
Tgt Ion:152 Resp: 97074
Ion Ratio Lower Upper
152 100
150 156.1 130.2 195.2
115 63.3 51.4 77.2



#5
2-Fluorophenol
Concen: 94.450 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF140043.D
Acq: 25 Oct 2024 17:53

Tgt Ion:112 Resp: 585670
Ion Ratio Lower Upper
112 100
64 63.9 53.0 79.6
63 33.9 27.0 40.4

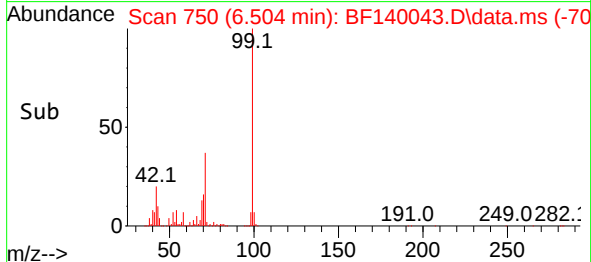
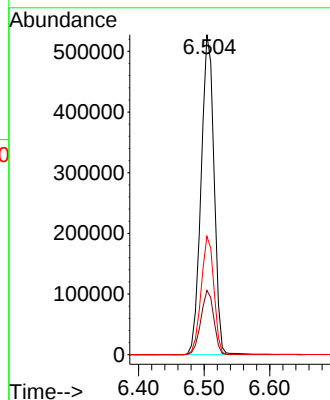
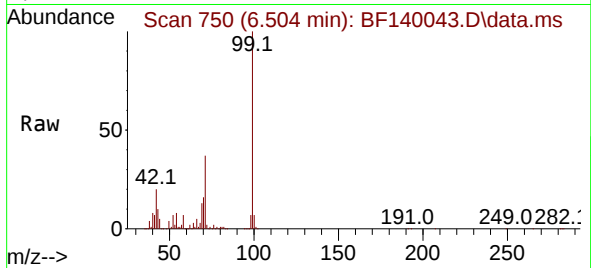




#7
Phenol-d6
Concen: 90.845 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140043.D
Acq: 25 Oct 2024 17:53

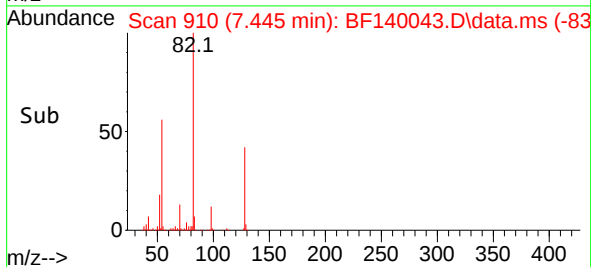
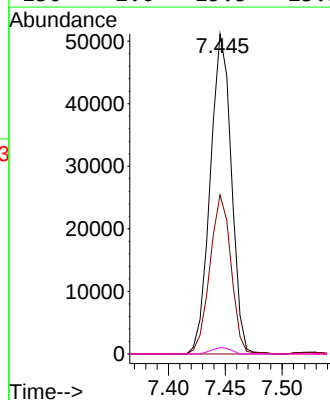
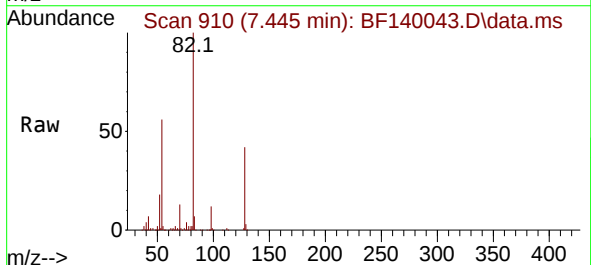
Instrument :
BNA_F
ClientSampleId :
VNJ-212

Tgt Ion: 99 Resp: 729586
Ion Ratio Lower Upper
99 100
42 20.1 16.7 25.1
71 37.0 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 13.603 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF140043.D
Acq: 25 Oct 2024 17:53

Tgt Ion: 70 Resp: 66258
Ion Ratio Lower Upper
70 100
42 49.7 51.5 77.3#
101 0.0 7.5 11.3#
130 2.0 15.5 23.3#

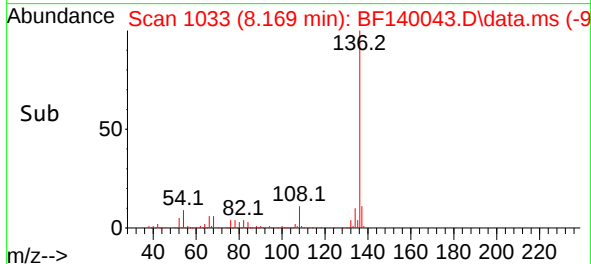
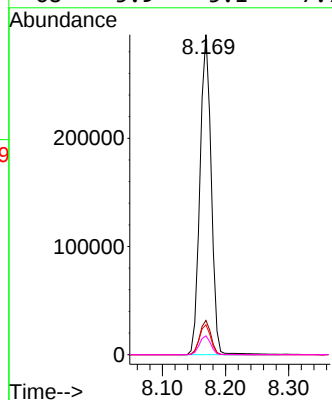
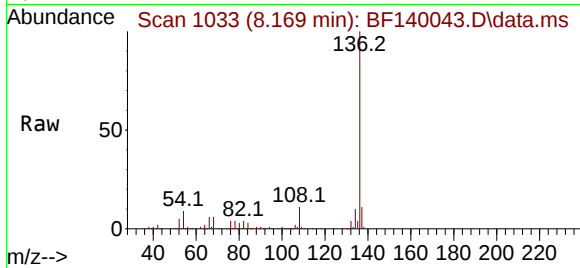




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140043.D
Acq: 25 Oct 2024 17:53

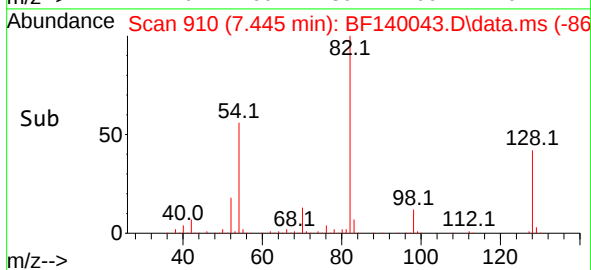
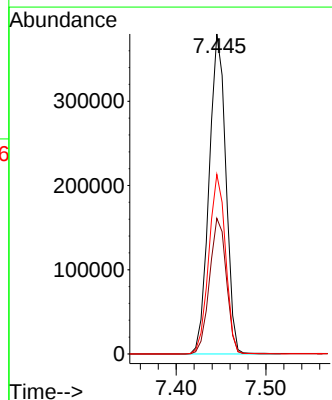
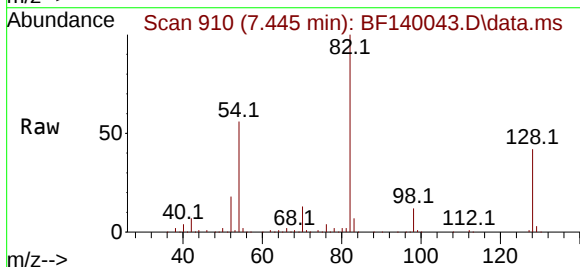
Instrument :
BNA_F
ClientSampleId :
VNJ-212

Tgt Ion:	136	Resp:	365120
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	12.8
54	9.3	8.4	12.6
68	5.9	5.1	7.7



#23
Nitrobenzene-d5
Concen: 74.859 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF140043.D
Acq: 25 Oct 2024 17:53

Tgt Ion:	82	Resp:	493157
Ion	Ratio	Lower	Upper
82	100		
128	42.4	33.4	50.0
54	56.1	47.8	71.8

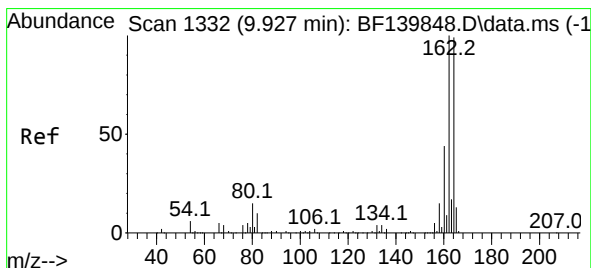
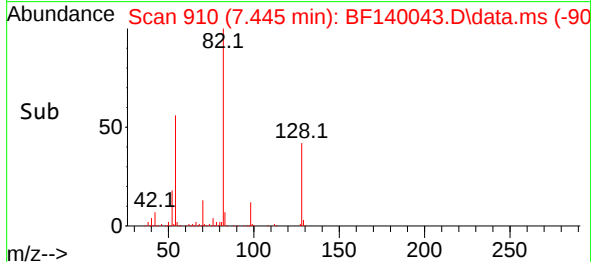
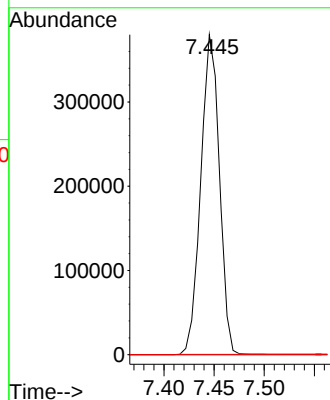
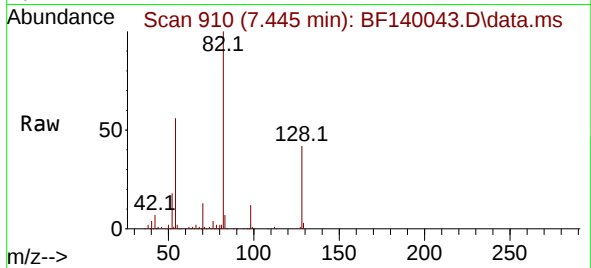




#25
Isophorone
Concen: 39.151 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.265 min
Lab File: BF140043.D
Acq: 25 Oct 2024 17:53

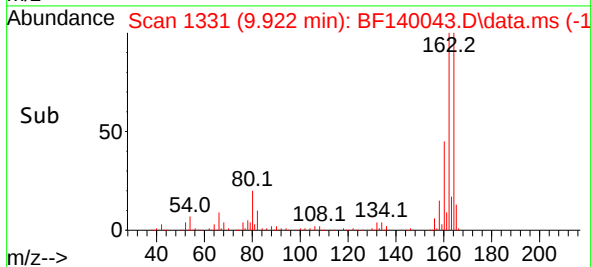
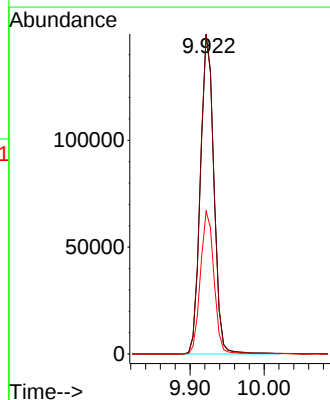
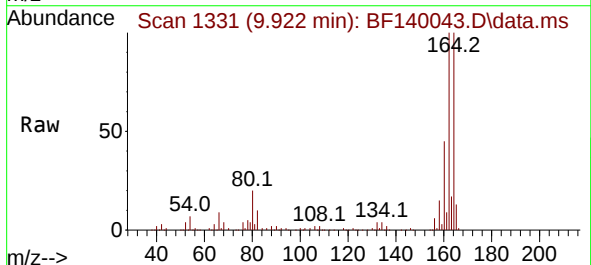
Instrument :
BNA_F
ClientSampleId :
VNJ-212

Tgt Ion: 82 Resp: 489532
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.2 19.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.005 min
Lab File: BF140043.D
Acq: 25 Oct 2024 17:53

Tgt Ion:164 Resp: 188796
Ion Ratio Lower Upper
164 100
162 100.3 81.0 121.4
160 44.8 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 98.100 ng

RT: 10.710 min Scan# 1466

Delta R.T. -0.006 min

Lab File: BF140043.D

Acq: 25 Oct 2024 17:53

Instrument :

BNA_F

ClientSampleId :

VNJ-212

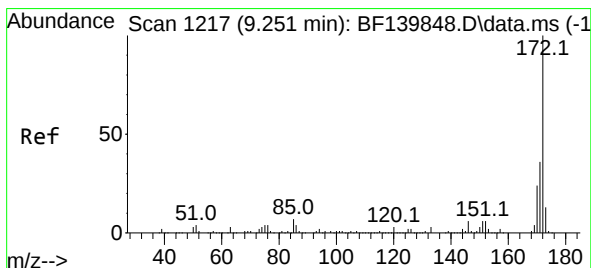
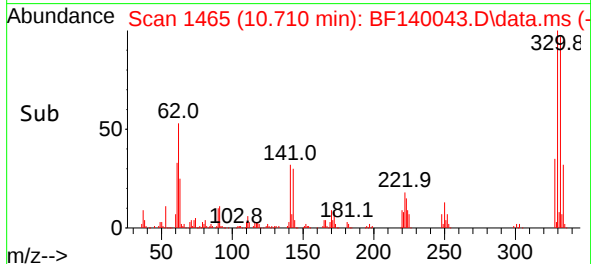
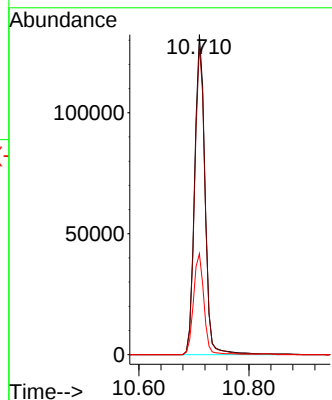
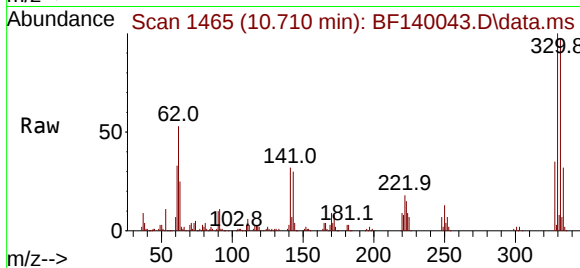
Tgt Ion:330 Resp: 173239

Ion Ratio Lower Upper

330 100

332 96.9 78.1 117.1

141 31.8 26.6 39.8



#45

2-Fluorobiphenyl

Concen: 79.764 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF140043.D

Acq: 25 Oct 2024 17:53

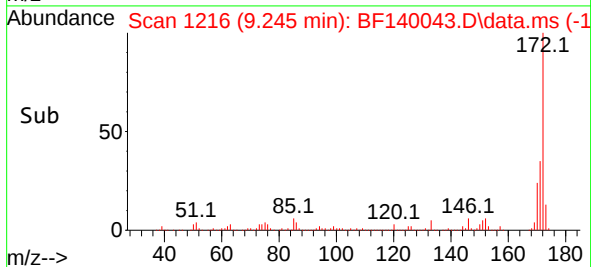
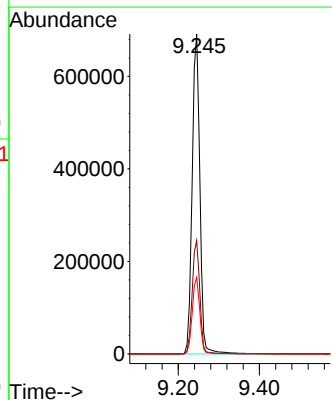
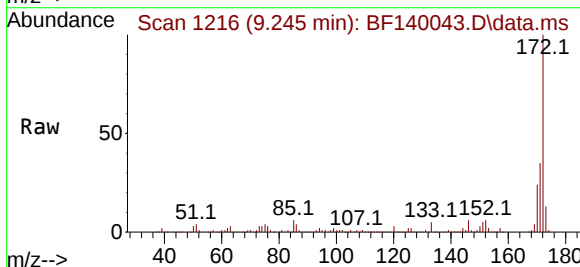
Tgt Ion:172 Resp: 911187

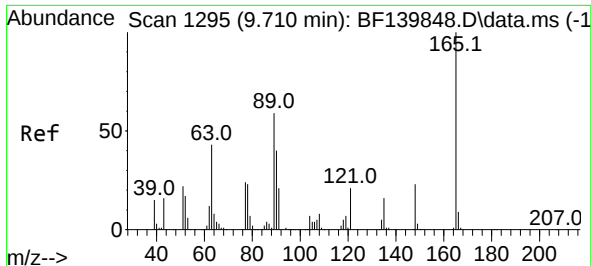
Ion Ratio Lower Upper

172 100

171 35.4 28.6 43.0

170 23.9 19.1 28.7

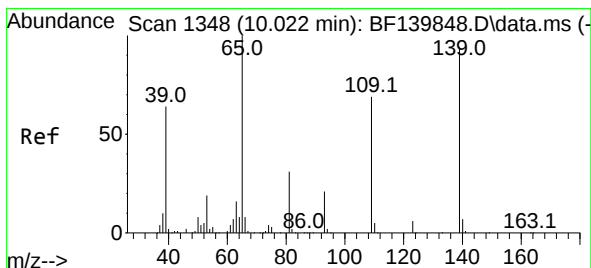
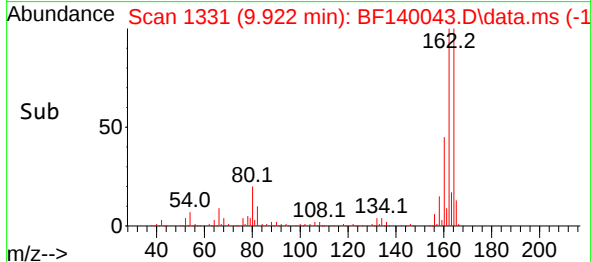
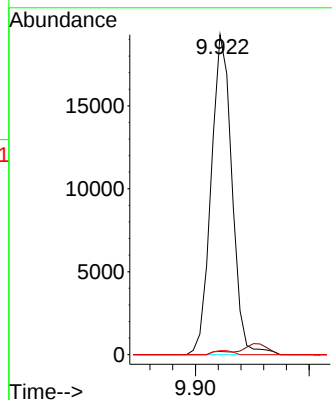
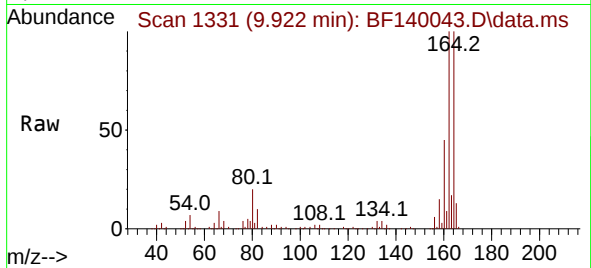




#51
2,6-Dinitrotoluene
Concen: 9.639 ng
RT: 9.922 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF140043.D
Acq: 25 Oct 2024 17:53

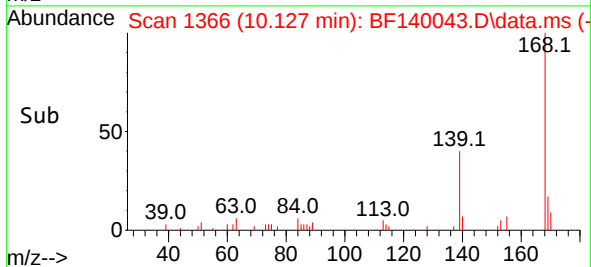
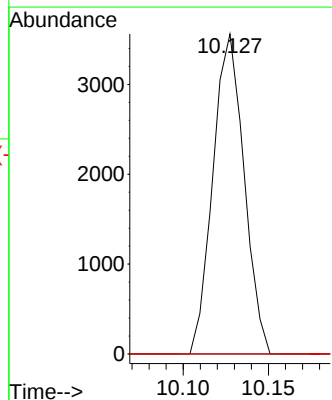
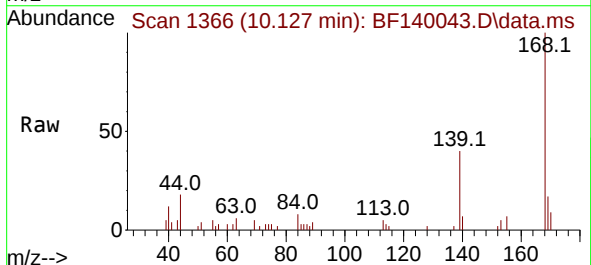
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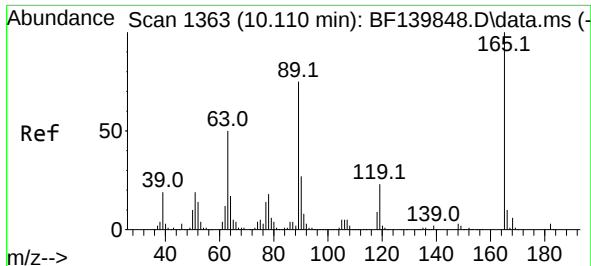
Tgt Ion:165 Resp: 24542
Ion Ratio Lower Upper
165 100
63 1.0 50.6 75.8#
89 1.3 47.5 71.3#



#56
4-Nitrophenol
Concen: 2.237 ng
RT: 10.127 min Scan# 1366
Delta R.T. 0.106 min
Lab File: BF140043.D
Acq: 25 Oct 2024 17:53

Tgt Ion:139 Resp: 4520
Ion Ratio Lower Upper
139 100
109 0.0 53.6 93.6#
65 0.0 87.8 127.8#

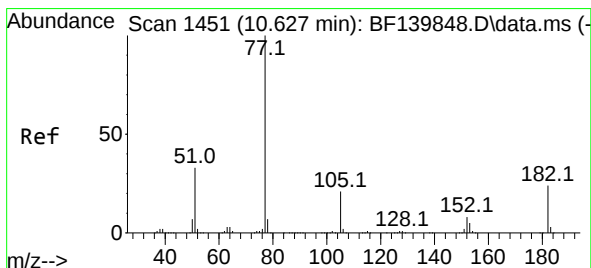
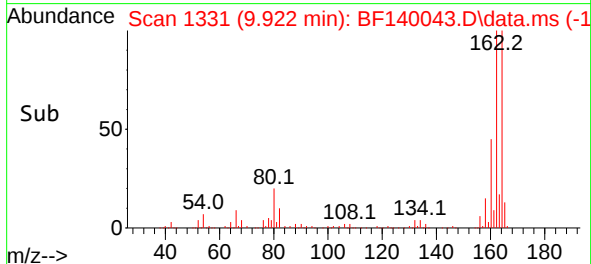
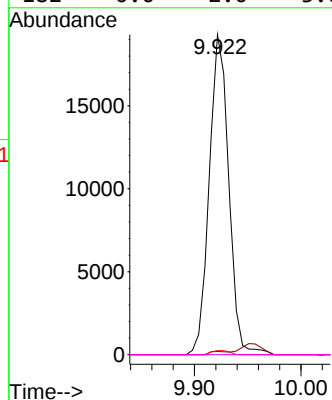
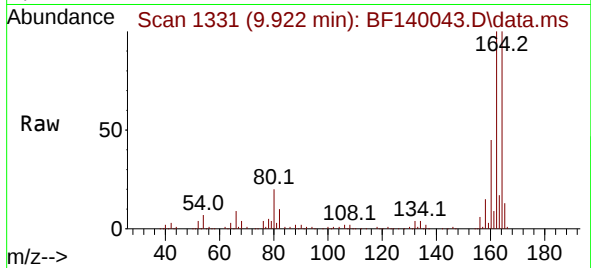




#57
2,4-Dinitrotoluene
Concen: 7.838 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF140043.D
Acq: 25 Oct 2024 17:53

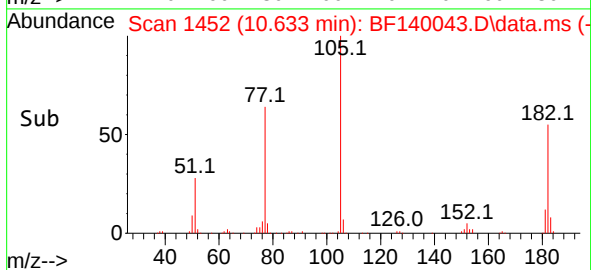
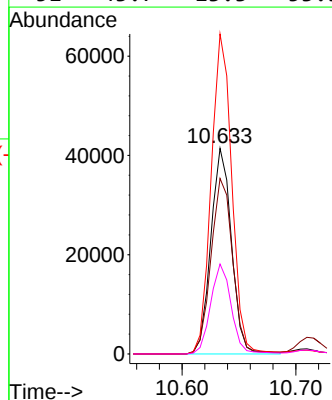
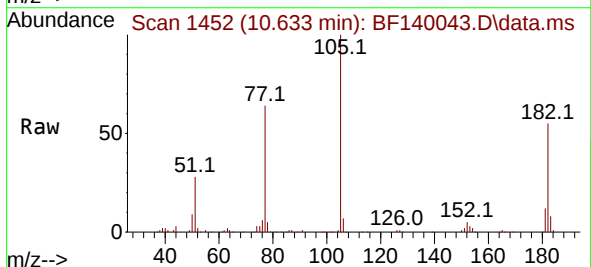
Instrument :
BNA_F
ClientSampleId :
VNJ-212

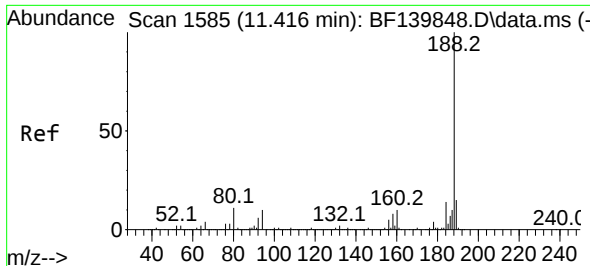
Tgt Ion:165 Resp: 24542
Ion Ratio Lower Upper
165 100
63 1.0 40.1 60.1#
89 1.3 60.4 90.6#
182 0.0 2.0 3.0#



#63
Azobenzene
Concen: 4.294 ng
RT: 10.633 min Scan# 1452
Delta R.T. 0.006 min
Lab File: BF140043.D
Acq: 25 Oct 2024 17:53

Tgt Ion: 77 Resp: 52558
Ion Ratio Lower Upper
77 100
182 85.4 3.3 43.3#
105 155.6 1.2 41.2#
51 43.7 13.3 53.3

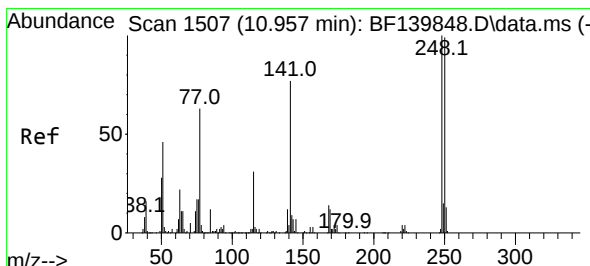
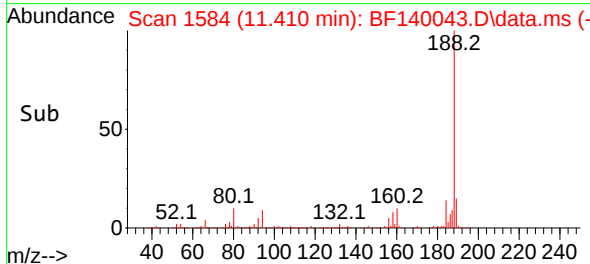
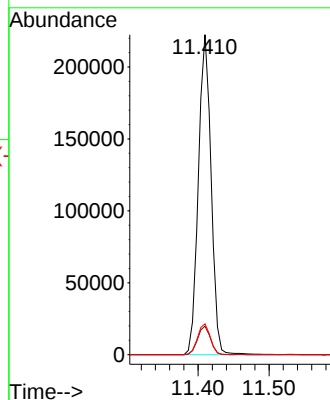
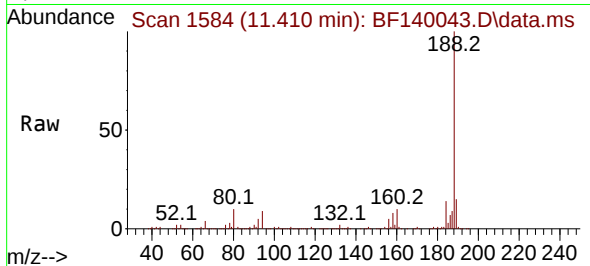




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140043.D
Acq: 25 Oct 2024 17:53

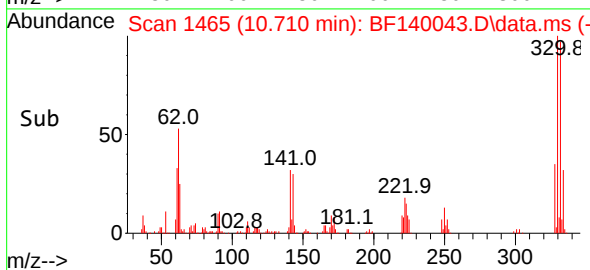
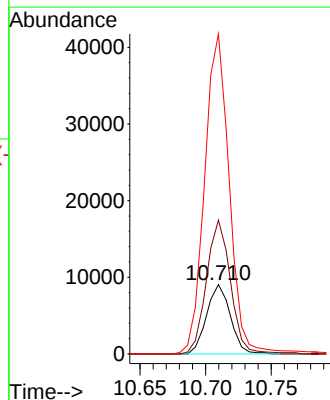
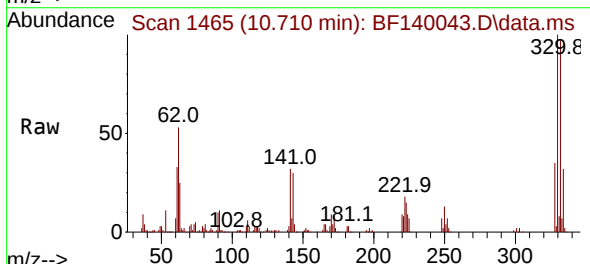
Instrument :
BNA_F
ClientSampleId :
VNJ-212

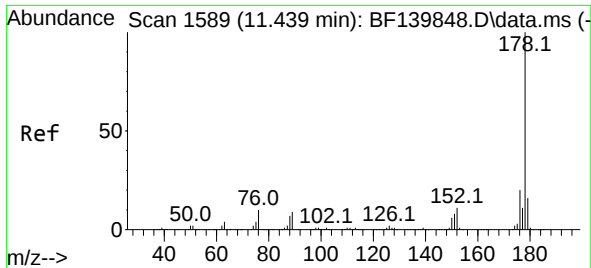
Tgt Ion:188 Resp: 278132
Ion Ratio Lower Upper
188 100
94 8.9 7.9 11.9
80 9.7 9.0 13.4



#67
4-Bromophenyl-phenylether
Concen: 3.979 ng
RT: 10.710 min Scan# 1465
Delta R.T. -0.247 min
Lab File: BF140043.D
Acq: 25 Oct 2024 17:53

Tgt Ion:248 Resp: 11400
Ion Ratio Lower Upper
248 100
250 193.0 79.0 118.6#
141 461.3 61.7 92.5#

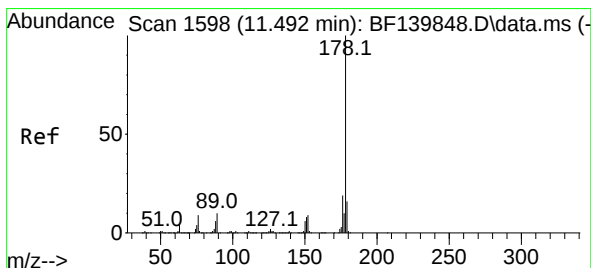
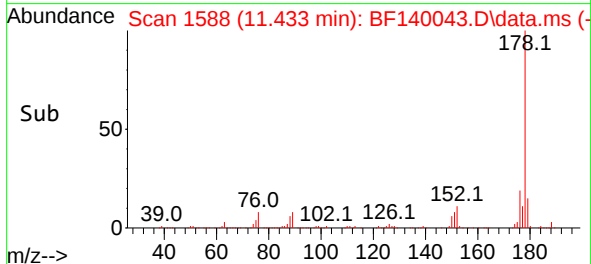
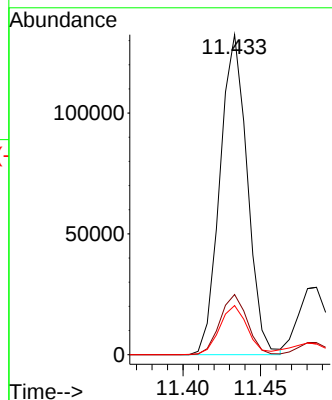
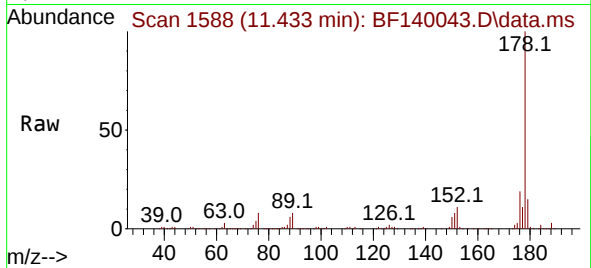




#71
Phenanthrene
Concen: 12.363 ng
RT: 11.433 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF140043.D
Acq: 25 Oct 2024 17:53

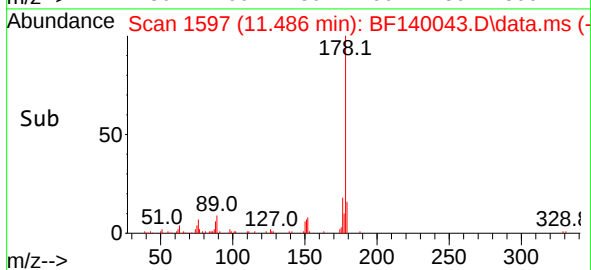
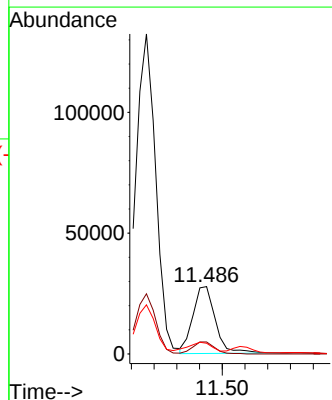
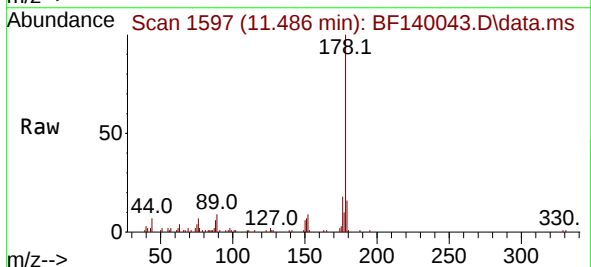
Instrument :
BNA_F
ClientSampleId :
VNJ-212

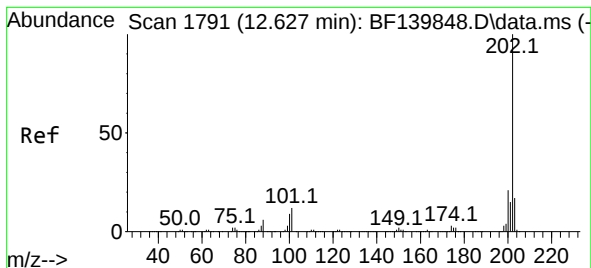
Tgt Ion:178 Resp: 162423
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.6
179 15.3 12.6 18.8



#72
Anthracene
Concen: 2.967 ng
RT: 11.486 min Scan# 1597
Delta R.T. -0.006 min
Lab File: BF140043.D
Acq: 25 Oct 2024 17:53

Tgt Ion:178 Resp: 38027
Ion Ratio Lower Upper
178 100
176 17.8 15.3 22.9
179 16.0 12.4 18.6





#75

Fluoranthene

Concen: 20.777 ng

RT: 12.621 min Scan# 1791

Delta R.T. -0.006 min

Lab File: BF140043.D

Acq: 25 Oct 2024 17:53

Instrument :

BNA_F

ClientSampleId :

VNJ-212

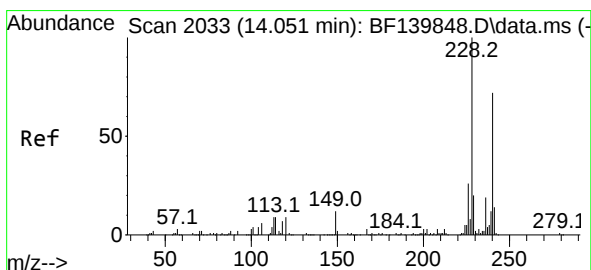
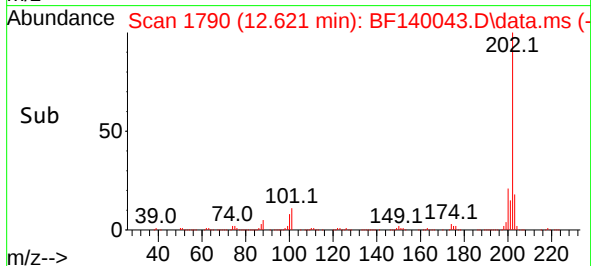
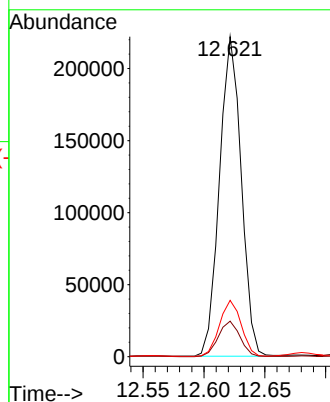
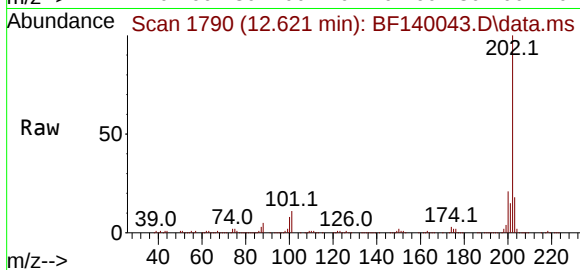
Tgt Ion:202 Resp: 275949

Ion Ratio Lower Upper

202 100

101 11.1 0.0 31.9

203 17.6 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF140043.D

Acq: 25 Oct 2024 17:53

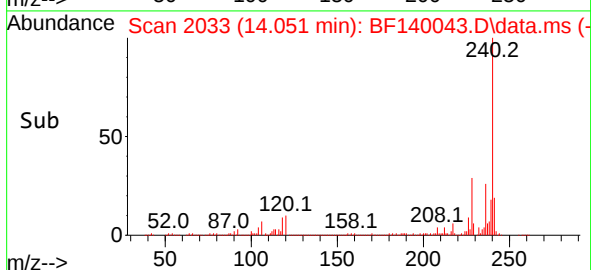
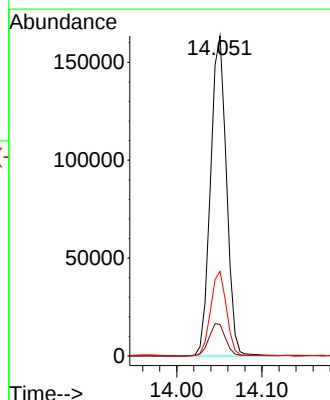
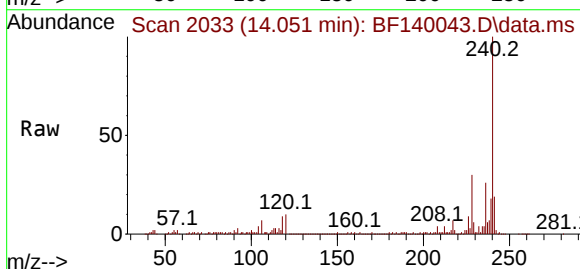
Tgt Ion:240 Resp: 212386

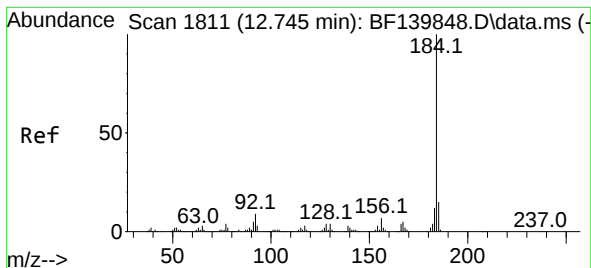
Ion Ratio Lower Upper

240 100

120 9.8 9.4 14.2

236 26.4 20.9 31.3





#77

Benzidine

Concen: 2.832 ng

RT: 12.992 min Scan# 1853

Delta R.T. 0.247 min

Lab File: BF140043.D

Acq: 25 Oct 2024 17:53

Instrument :

BNA_F

ClientSampleId :

VNJ-212

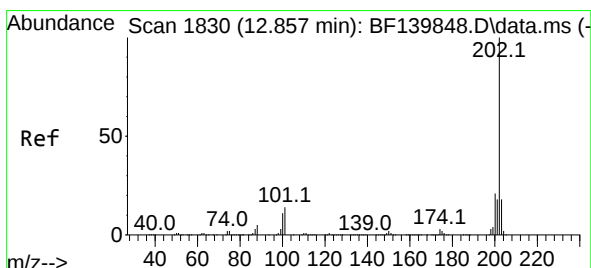
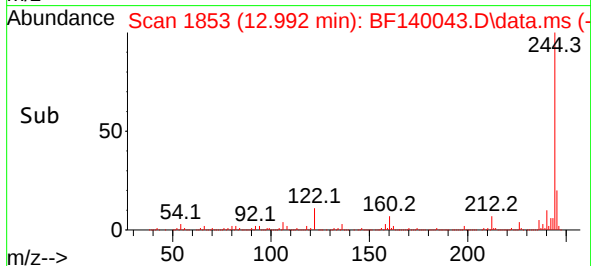
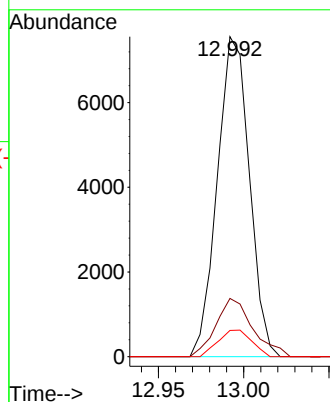
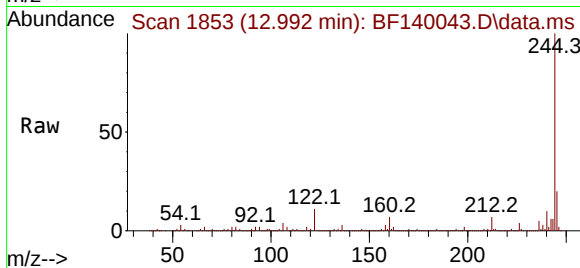
Tgt Ion:184 Resp: 9890

Ion Ratio Lower Upper

184 100

185 18.2 12.0 18.0#

183 8.2 9.4 14.2#



#78

Pyrene

Concen: 12.762 ng

RT: 12.851 min Scan# 1829

Delta R.T. -0.006 min

Lab File: BF140043.D

Acq: 25 Oct 2024 17:53

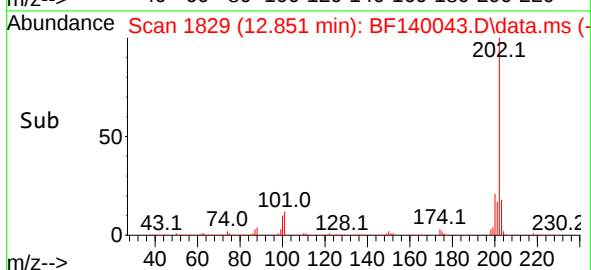
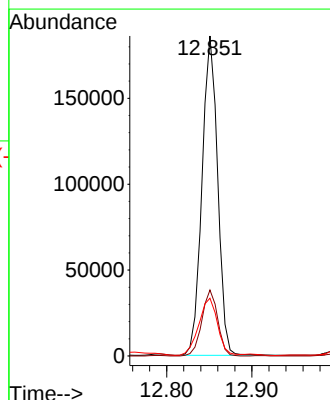
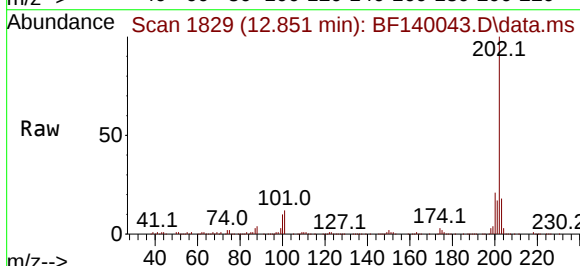
Tgt Ion:202 Resp: 237254

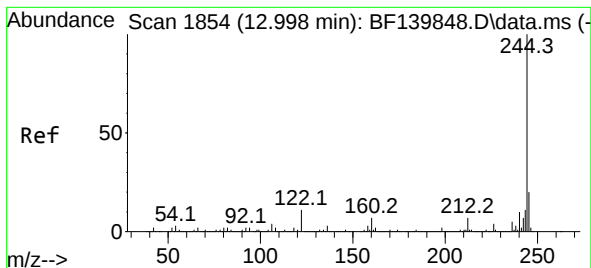
Ion Ratio Lower Upper

202 100

200 20.6 17.2 25.8

203 18.0 14.2 21.4





#79

Terphenyl-d14

Concen: 58.076 ng

RT: 12.992 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF140043.D

Acq: 25 Oct 2024 17:53

Instrument :

BNA_F

ClientSampleId :

VNJ-212

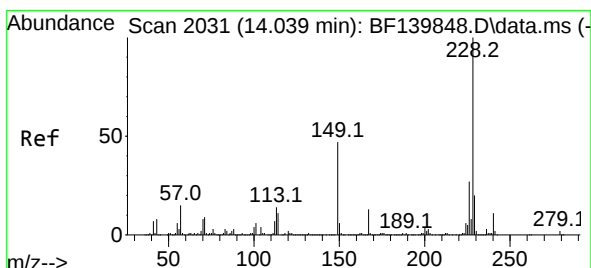
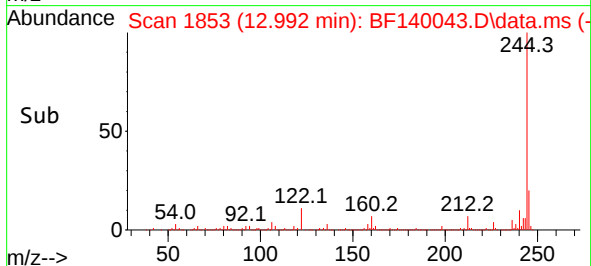
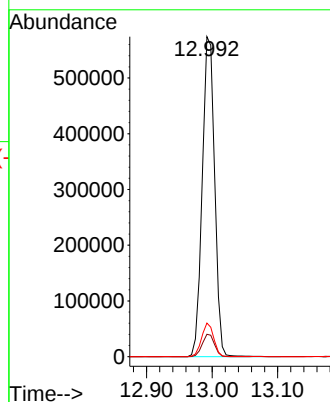
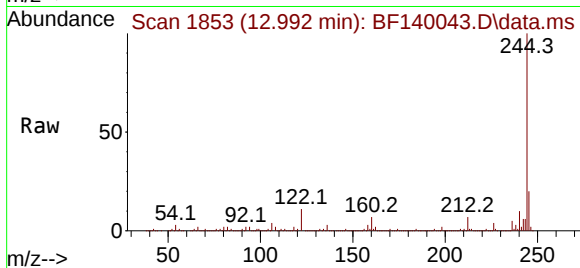
Tgt Ion:244 Resp: 756961

Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

122 10.5 8.6 13.0



#81

Benzo(a)anthracene

Concen: 10.530 ng

RT: 14.039 min Scan# 2031

Delta R.T. 0.000 min

Lab File: BF140043.D

Acq: 25 Oct 2024 17:53

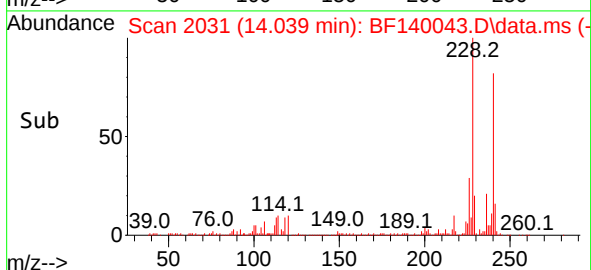
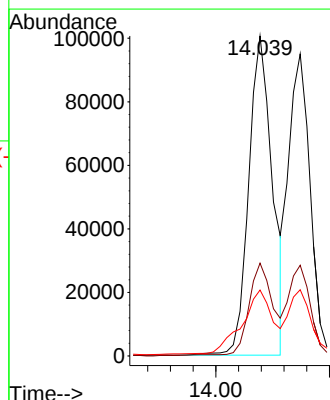
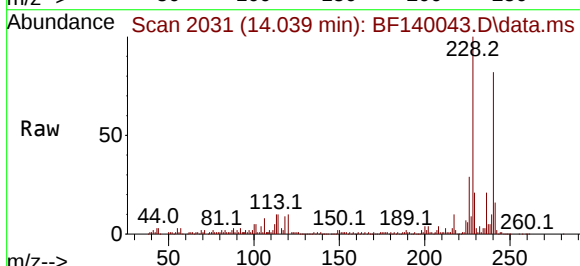
Tgt Ion:228 Resp: 145585

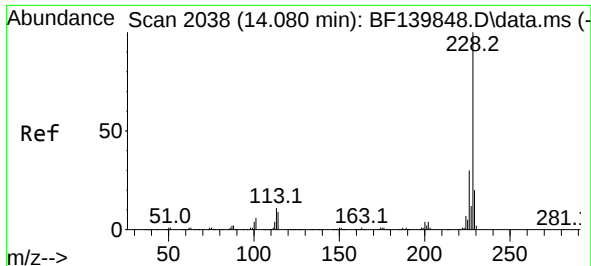
Ion Ratio Lower Upper

228 100

226 29.0 21.6 32.4

229 20.6 16.1 24.1

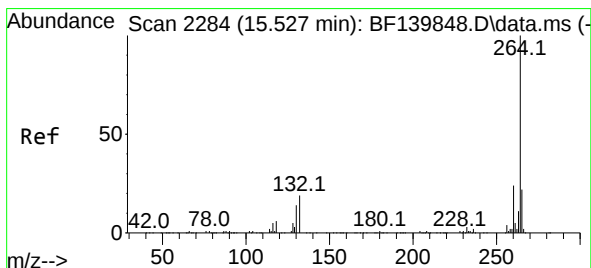
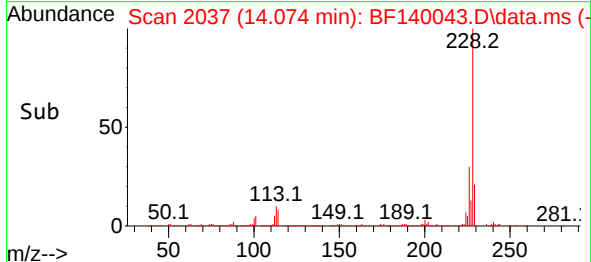
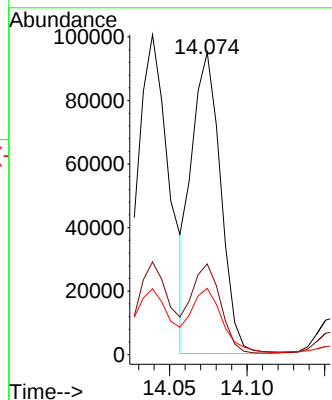
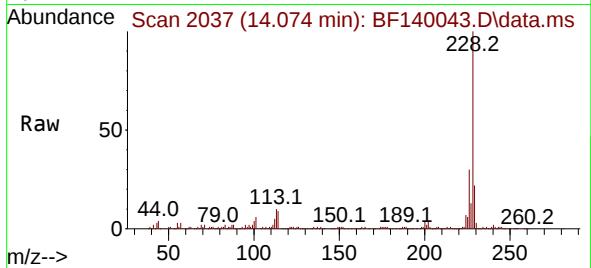




#83
Chrysene
Concen: 9.794 ng
RT: 14.074 min Scan# 2038
Delta R.T. -0.006 min
Lab File: BF140043.D
Acq: 25 Oct 2024 17:53

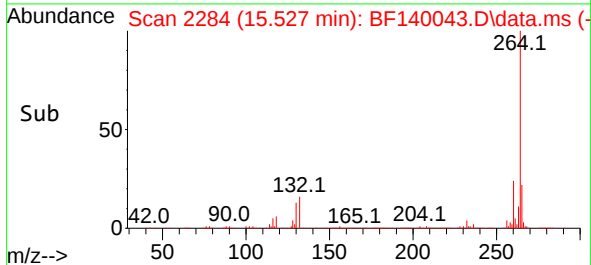
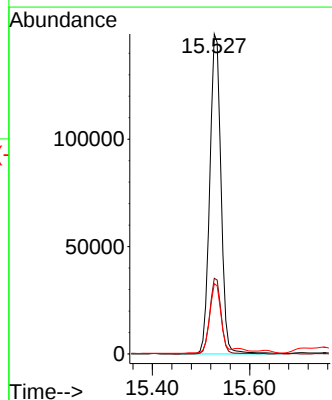
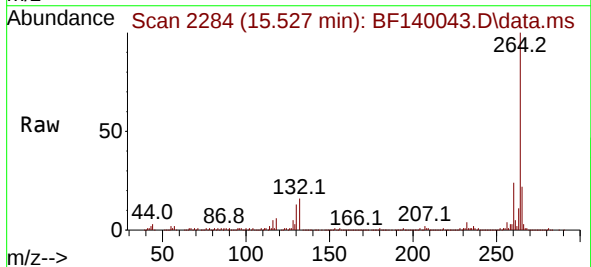
Instrument :
BNA_F
ClientSampleId :
VNJ-212

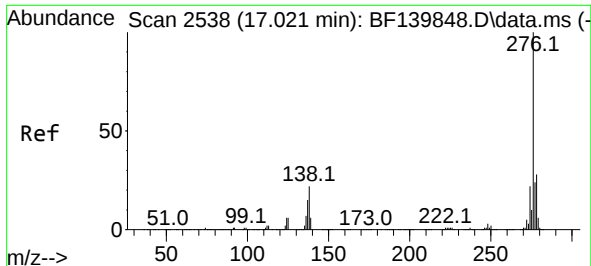
Tgt Ion:228 Resp: 124156
Ion Ratio Lower Upper
228 100
226 30.0 24.1 36.1
229 21.9 15.8 23.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2284
Delta R.T. 0.000 min
Lab File: BF140043.D
Acq: 25 Oct 2024 17:53

Tgt Ion:264 Resp: 237460
Ion Ratio Lower Upper
264 100
260 23.7 19.4 29.2
265 22.0 17.4 26.0

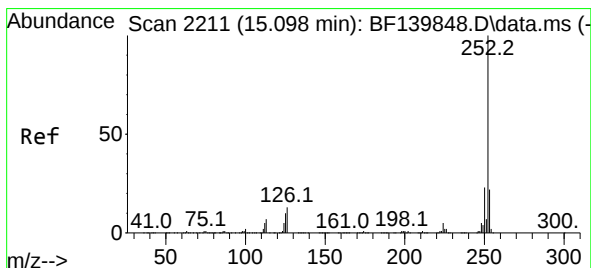
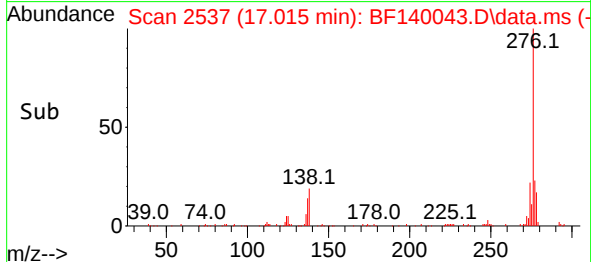
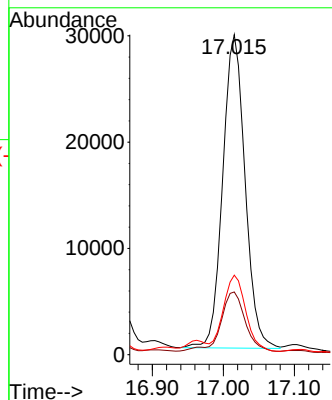
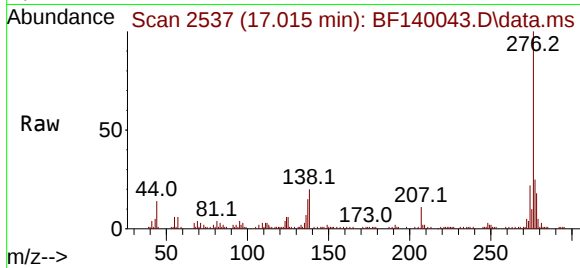




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.214 ng
RT: 17.015 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF140043.D
Acq: 25 Oct 2024 17:53

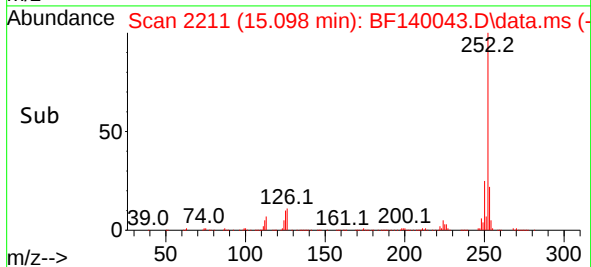
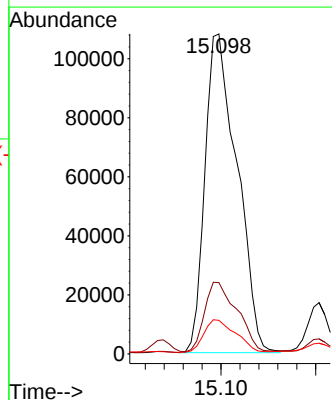
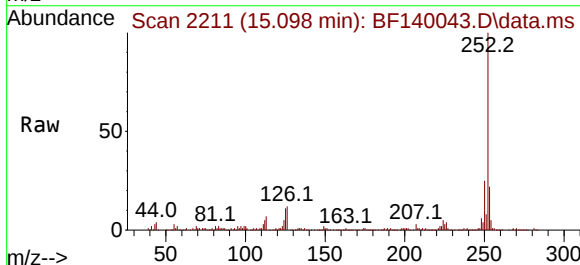
Instrument :
BNA_F
ClientSampleId :
VNJ-212

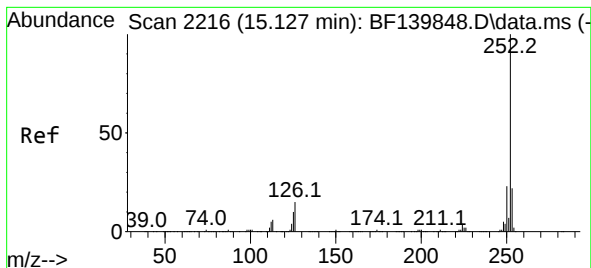
Tgt Ion:276 Resp: 64374
Ion Ratio Lower Upper
276 100
138 21.1 20.4 30.6
277 24.3 20.2 30.4



#88
Benzo(b)fluoranthene
Concen: 17.530 ng
RT: 15.098 min Scan# 2211
Delta R.T. 0.000 min
Lab File: BF140043.D
Acq: 25 Oct 2024 17:53

Tgt Ion:252 Resp: 253576
Ion Ratio Lower Upper
252 100
253 22.3 17.6 26.4
125 10.5 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 20.327 ng

RT: 15.098 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF140043.D

Acq: 25 Oct 2024 17:53

Instrument :

BNA_F

ClientSampleId :

VNJ-212

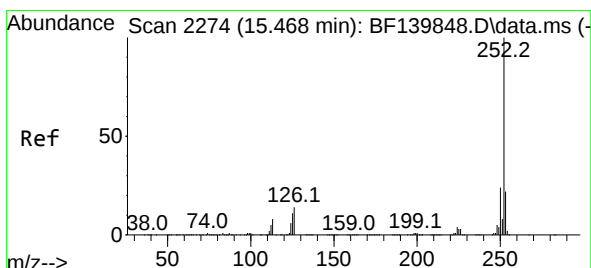
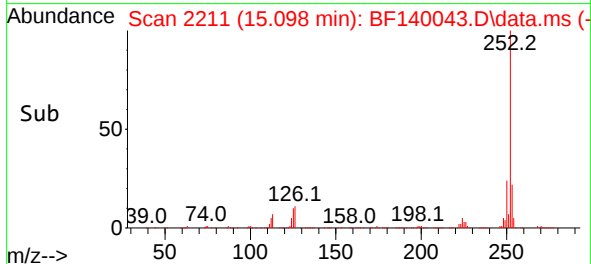
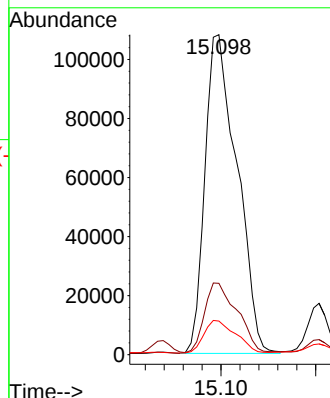
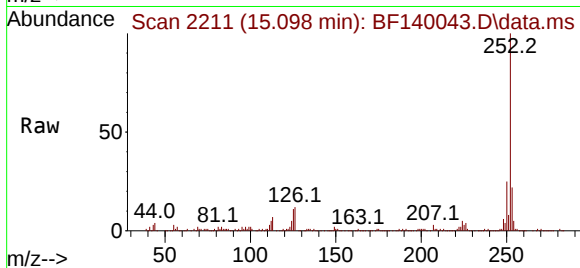
Tgt Ion:252 Resp: 253576

Ion Ratio Lower Upper

252 100

253 22.3 17.6 26.4

125 10.5 7.9 11.9



#90

Benzo(a)pyrene

Concen: 10.335 ng

RT: 15.462 min Scan# 2273

Delta R.T. -0.006 min

Lab File: BF140043.D

Acq: 25 Oct 2024 17:53

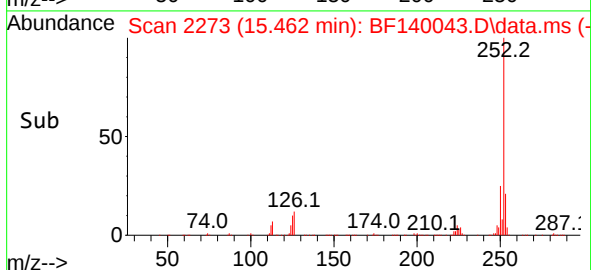
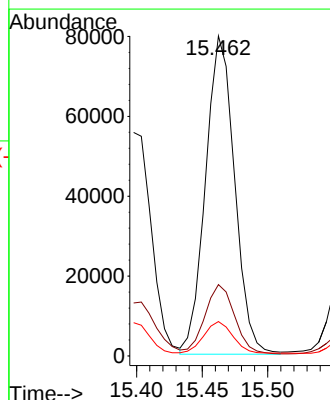
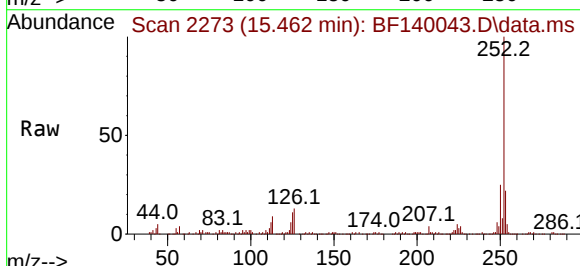
Tgt Ion:252 Resp: 123013

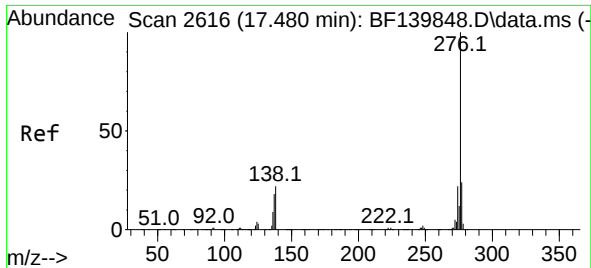
Ion Ratio Lower Upper

252 100

253 22.3 17.3 25.9

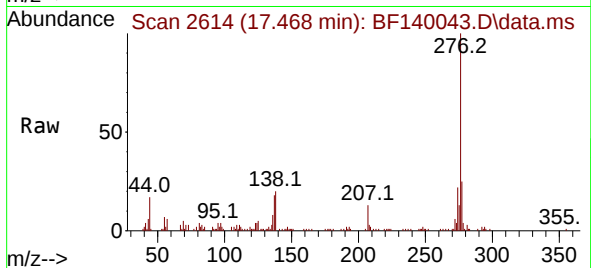
125 10.8 8.7 13.1





#92
Benzo(g,h,i)perylene
Concen: 4.641 ng
RT: 17.468 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF140043.D
Acq: 25 Oct 2024 17:53

Instrument :
BNA_F
ClientSampleId :
VNJ-212



Tgt Ion:276 Resp: 59079
Ion Ratio Lower Upper
276 100
277 24.8 19.0 28.6
138 19.9 17.4 26.0

