

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF093024\
 Data File : BF139579.D
 Acq On : 30 Sep 2024 15:28
 Operator : RC/JU
 Sample : P4192-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-222

Quant Time: Sep 30 15:50:50 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 14 02:58:23 2024
 Response via : Initial Calibration

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

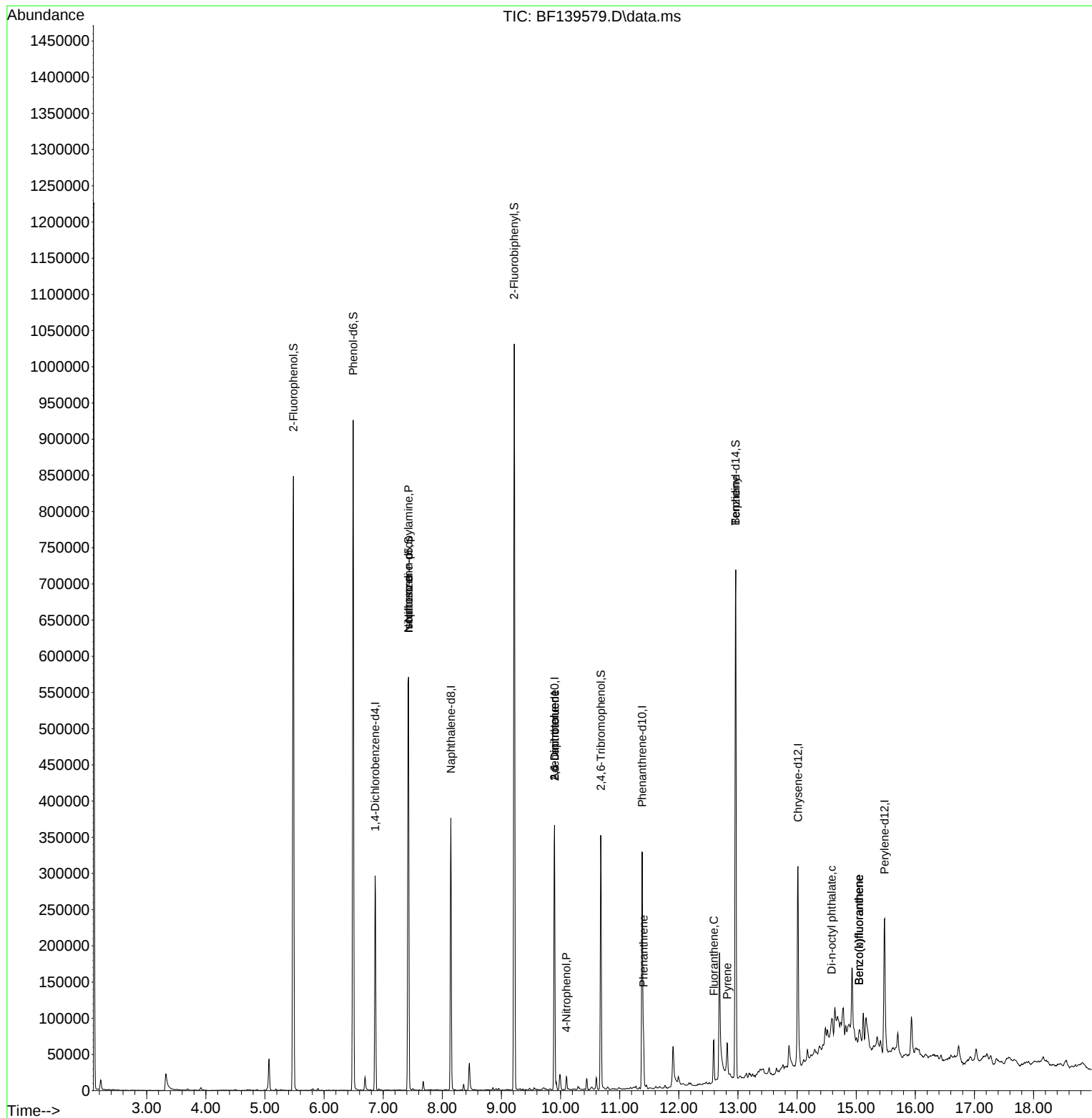
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	58569	20.000	ng	-0.02
21) Naphthalene-d8	8.145	136	213883	20.000	ng	#-0.02
39) Acenaphthene-d10	9.898	164	105336	20.000	ng	-0.02
64) Phenanthrene-d10	11.380	188	165239	20.000	ng	#-0.02
76) Chrysene-d12	14.016	240	122435	20.000	ng	-0.02
86) Perylene-d12	15.480	264	107169	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	280135	78.027	ng	-0.01
7) Phenol-d6	6.492	99	380606	80.767	ng	-0.01
23) Nitrobenzene-d5	7.428	82	240298	52.817	ng	-0.02
42) 2,4,6-Tribromophenol	10.680	330	48633	43.367	ng	-0.02
45) 2-Fluorobiphenyl	9.216	172	425724	56.684	ng	-0.02
79) Terphenyl-d14	12.963	244	331202	44.402	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.428	70	33044	11.833	ng	# 72
25) Isophorone	7.428	82	240296	33.397	ng	# 66
51) 2,6-Dinitrotoluene	9.898	165	13633	8.901	ng	# 15
56) 4-Nitrophenol	10.098	139	3173	2.505	ng	# 1
57) 2,4-Dinitrotoluene	9.898	165	13633	6.593	ng	# 16
71) Phenanthrene	11.404	178	37645	4.722	ng	99
75) Fluoranthene	12.592	202	34156	4.012	ng	98
77) Benzidine	12.963	184	4547	2.592	ng	# 86
78) Pyrene	12.822	202	25172	2.394	ng	98
85) Di-n-octyl phthalate	14.586	149	15074	2.249	ng	# 70
88) Benzo(b)fluoranthene	15.051	252	18705	2.830	ng	# 93
89) Benzo(k)fluoranthene	15.051	252	18705	3.069	ng	# 92

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

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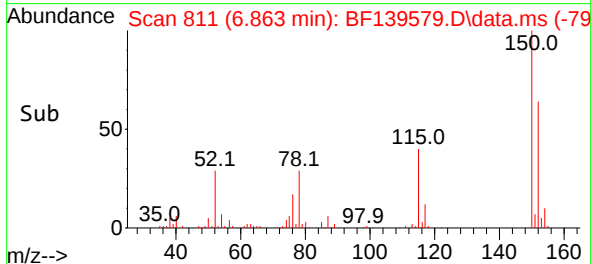
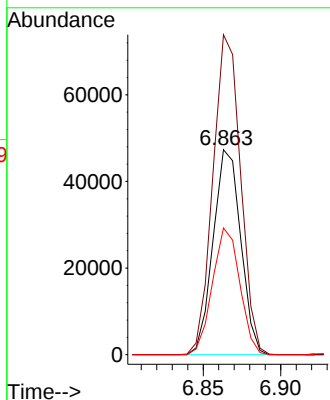
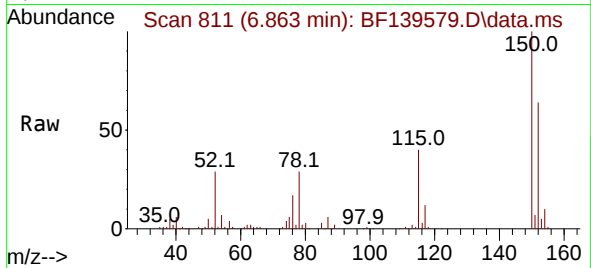




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 814
Delta R.T. -0.018 min
Lab File: BF139579.D
Acq: 30 Sep 2024 15:28

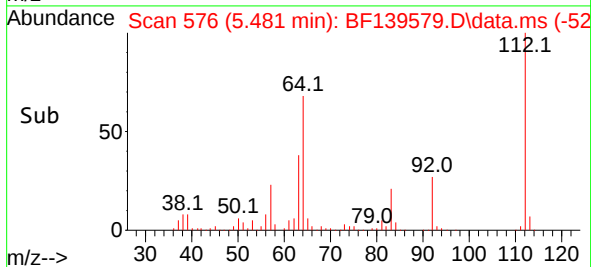
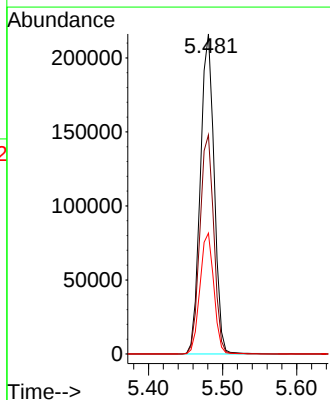
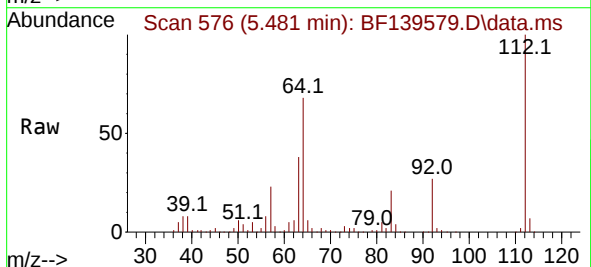
Instrument :
BNA_F
ClientSampleId :
VNJ-222

Tgt Ion:152 Resp: 58569
Ion Ratio Lower Upper
152 100
150 156.1 124.1 186.1
115 61.9 48.1 72.1



#5
2-Fluorophenol
Concen: 78.027 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.012 min
Lab File: BF139579.D
Acq: 30 Sep 2024 15:28

Tgt Ion:112 Resp: 280135
Ion Ratio Lower Upper
112 100
64 68.4 54.8 82.2
63 37.7 33.0 49.4

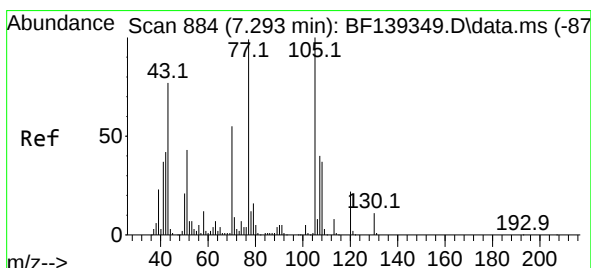
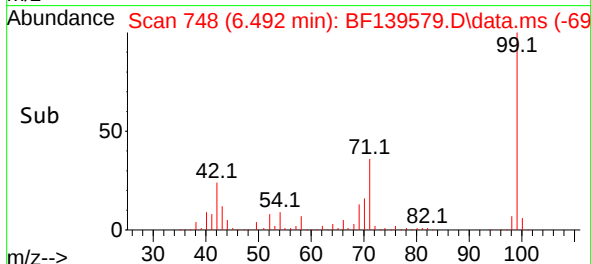
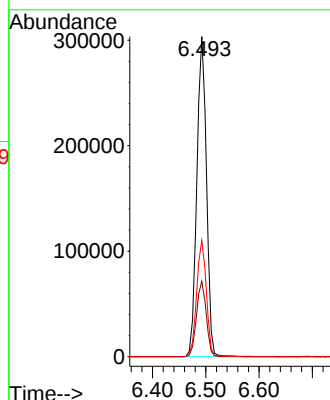
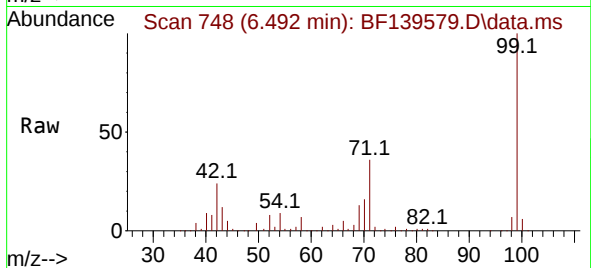




#7
Phenol-d6
Concen: 80.767 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF139579.D
Acq: 30 Sep 2024 15:28

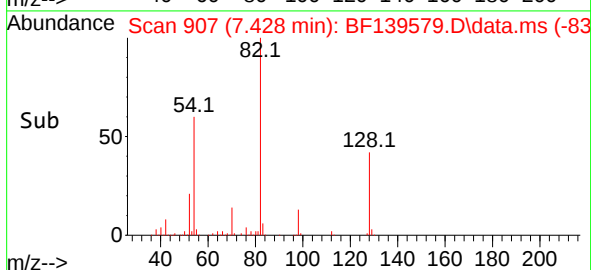
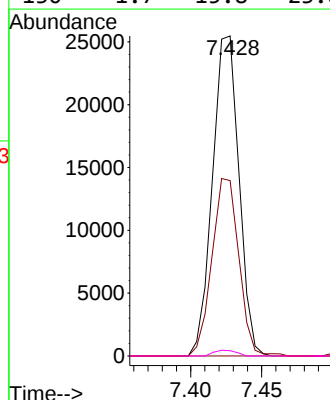
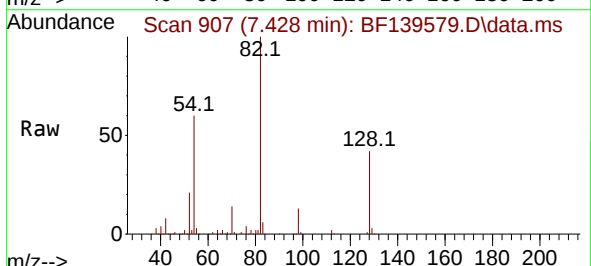
Instrument :
BNA_F
ClientSampleId :
VNJ-222

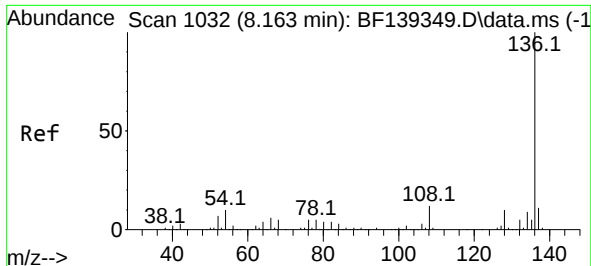
Tgt Ion: 99 Resp: 380606
Ion Ratio Lower Upper
99 100
42 23.6 21.9 32.9
71 36.3 34.6 52.0



#19
n-Nitroso-di-n-propylamine
Concen: 11.833 ng
RT: 7.428 min Scan# 907
Delta R.T. 0.135 min
Lab File: BF139579.D
Acq: 30 Sep 2024 15:28

Tgt Ion: 70 Resp: 33044
Ion Ratio Lower Upper
70 100
42 54.8 61.2 91.8#
101 0.0 7.5 11.3#
130 1.7 15.8 23.8#

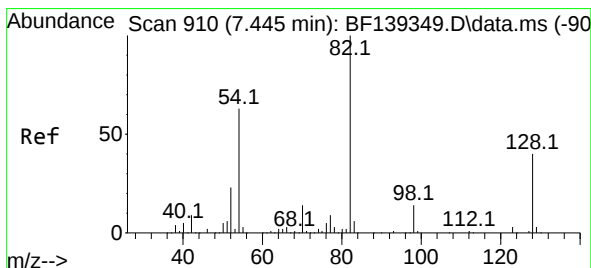
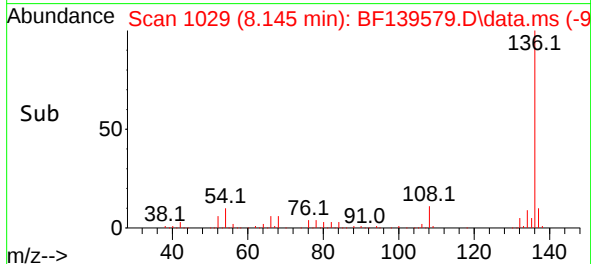
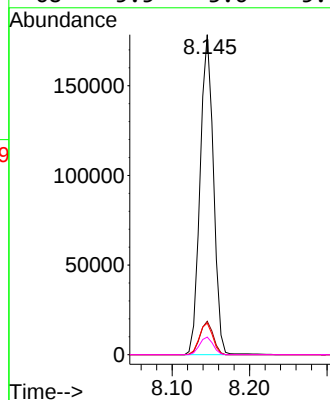
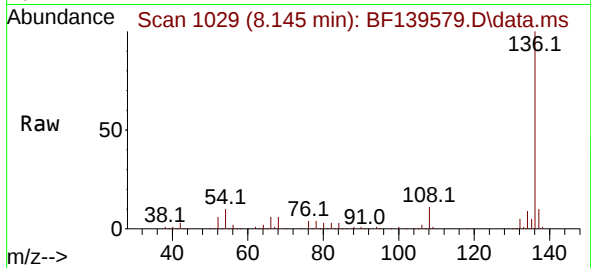




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1032
Delta R.T. -0.018 min
Lab File: BF139579.D
Acq: 30 Sep 2024 15:28

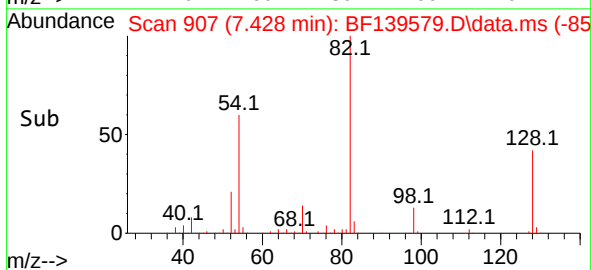
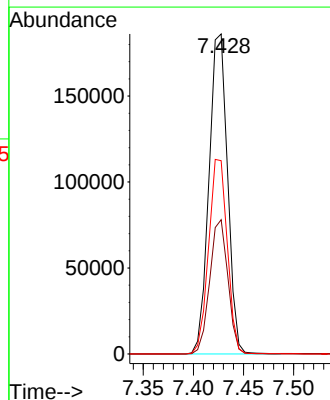
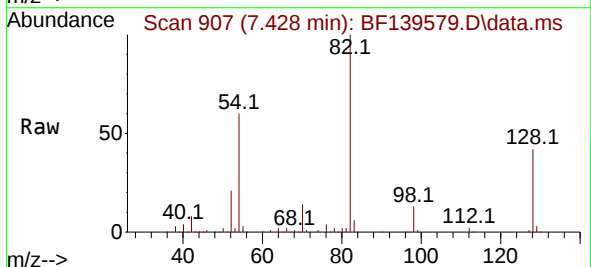
Instrument :
BNA_F
ClientSampleId :
VNJ-222

Tgt Ion:136 Resp: 213883
Ion Ratio Lower Upper
136 100
137 10.4 8.6 12.8
54 9.8 7.8 11.8
68 5.5 3.6 5.4#



#23
Nitrobenzene-d5
Concen: 52.817 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.018 min
Lab File: BF139579.D
Acq: 30 Sep 2024 15:28

Tgt Ion: 82 Resp: 240298
Ion Ratio Lower Upper
82 100
128 41.9 31.8 47.6
54 60.4 50.6 75.8

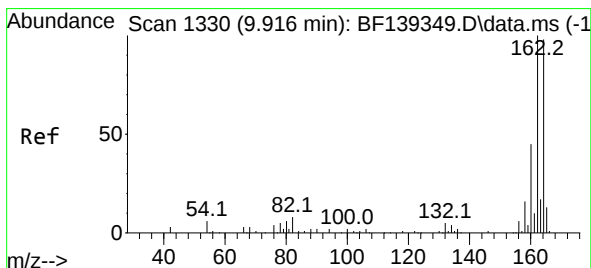
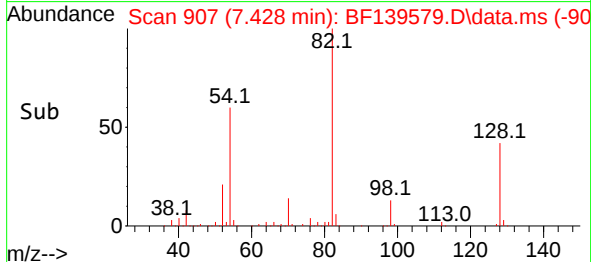
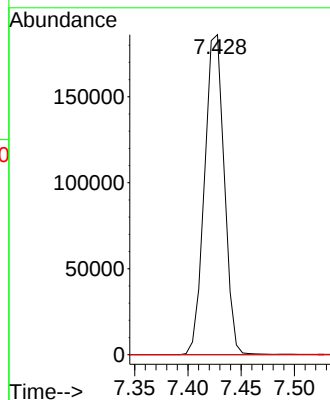
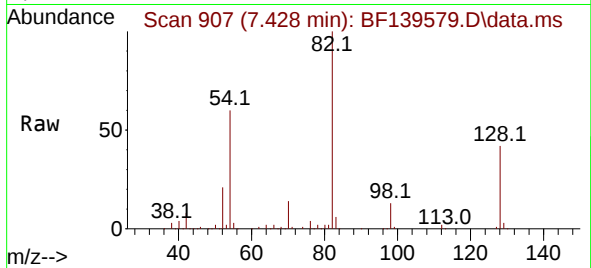




#25
Isophorone
Concen: 33.397 ng
RT: 7.428 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF139579.D
Acq: 30 Sep 2024 15:28

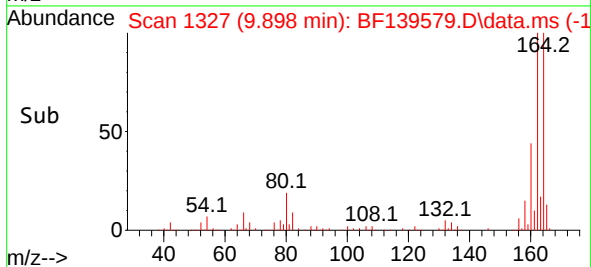
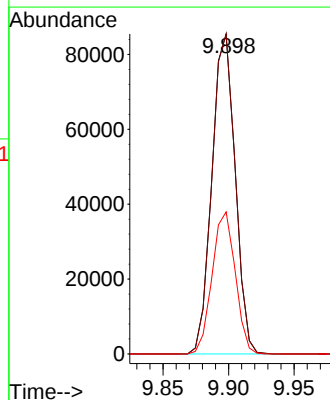
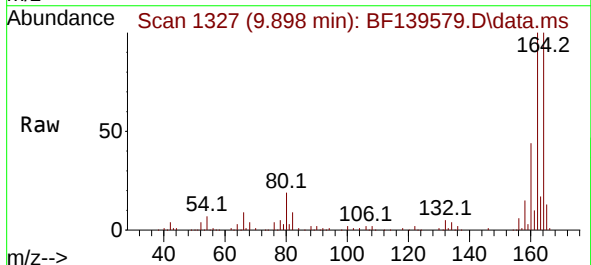
Instrument :
BNA_F
ClientSampleId :
VNJ-222

Tgt Ion: 82 Resp: 240296
Ion Ratio Lower Upper
82 100
95 0.0 6.7 10.1#
138 0.0 13.3 19.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.018 min
Lab File: BF139579.D
Acq: 30 Sep 2024 15:28

Tgt Ion:164 Resp: 105336
Ion Ratio Lower Upper
164 100
162 100.1 81.3 121.9
160 44.4 36.4 54.6





#42

2,4,6-Tribromophenol

Concen: 43.367 ng

RT: 10.680 min Scan# 1460

Delta R.T. -0.018 min

Lab File: BF139579.D

Acq: 30 Sep 2024 15:28

Instrument :

BNA_F

ClientSampleId :

VNJ-222

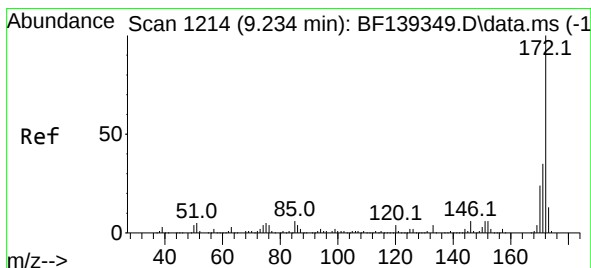
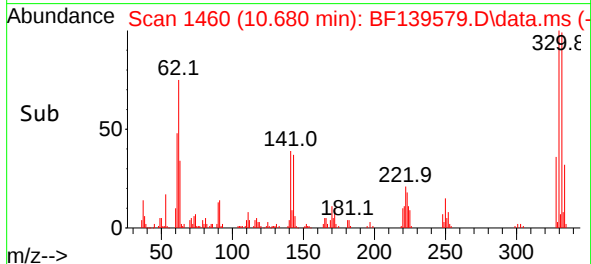
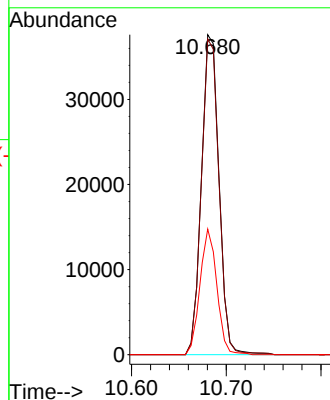
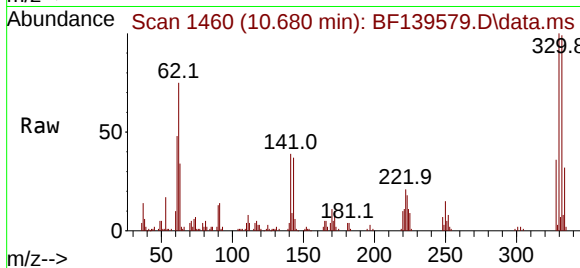
Tgt Ion:330 Resp: 48633

Ion Ratio Lower Upper

330 100

332 98.5 75.2 112.8

141 37.7 31.2 46.8



#45

2-Fluorobiphenyl

Concen: 56.684 ng

RT: 9.216 min Scan# 1211

Delta R.T. -0.018 min

Lab File: BF139579.D

Acq: 30 Sep 2024 15:28

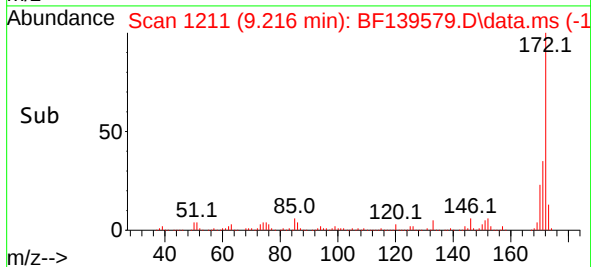
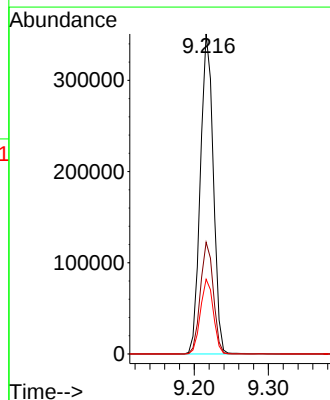
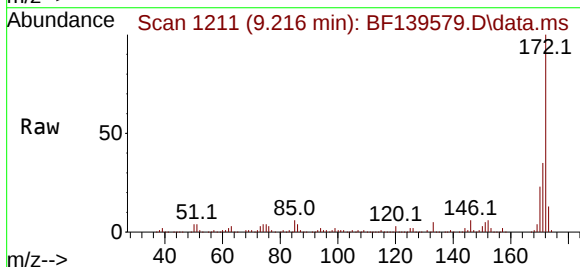
Tgt Ion:172 Resp: 425724

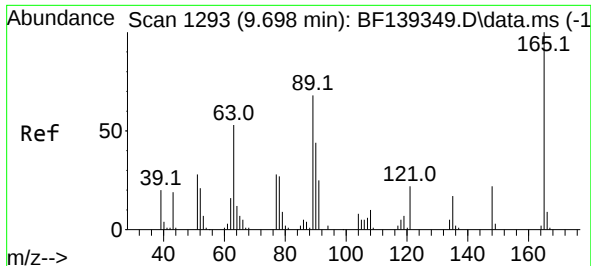
Ion Ratio Lower Upper

172 100

171 34.9 28.3 42.5

170 23.4 19.0 28.6

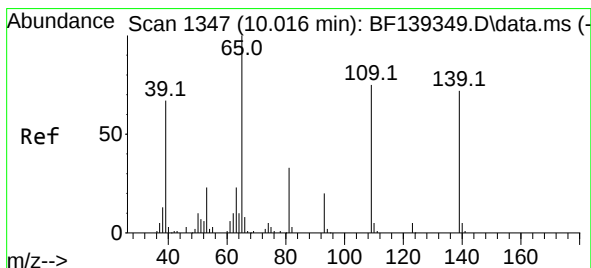
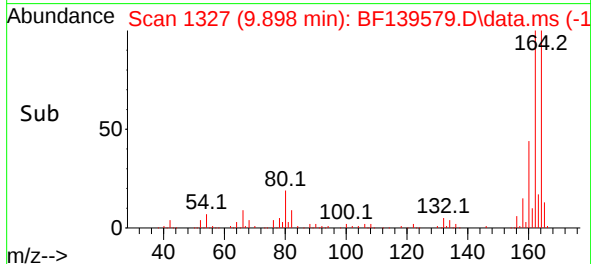
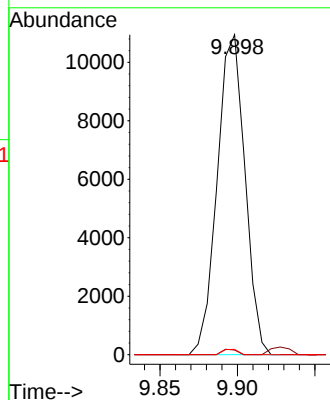
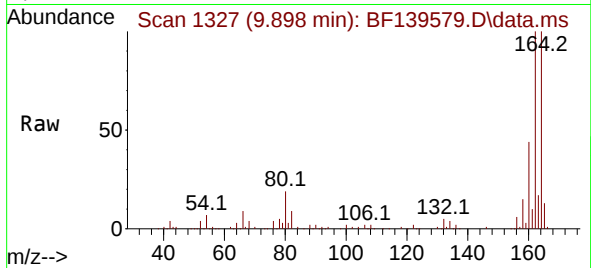




#51
2,6-Dinitrotoluene
Concen: 8.901 ng
RT: 9.898 min Scan# 1361
Delta R.T. 0.200 min
Lab File: BF139579.D
Acq: 30 Sep 2024 15:28

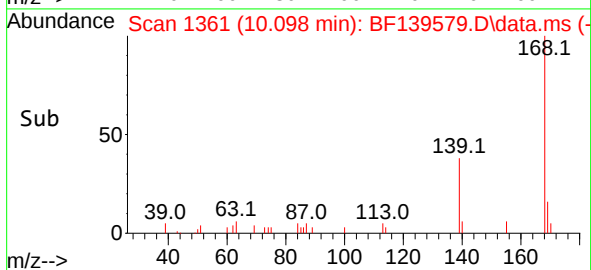
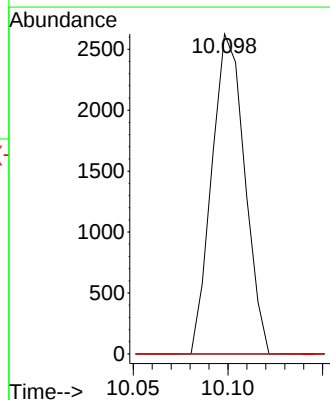
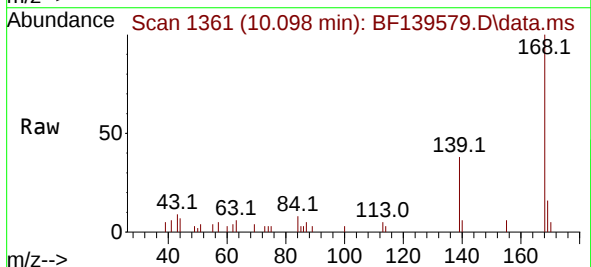
Instrument :
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ClientSampleId :
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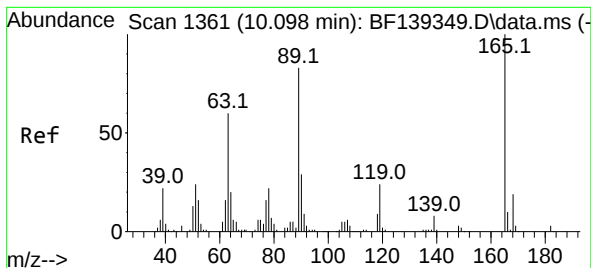
Tgt Ion:165 Resp: 13633
Ion Ratio Lower Upper
165 100
63 1.4 60.9 91.3#
89 1.7 54.7 82.1#



#56
4-Nitrophenol
Concen: 2.505 ng
RT: 10.098 min Scan# 1361
Delta R.T. 0.082 min
Lab File: BF139579.D
Acq: 30 Sep 2024 15:28

Tgt Ion:139 Resp: 3173
Ion Ratio Lower Upper
139 100
109 0.0 84.1 124.1#
65 0.0 120.0 160.0#

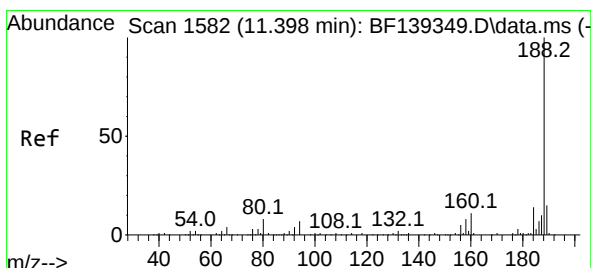
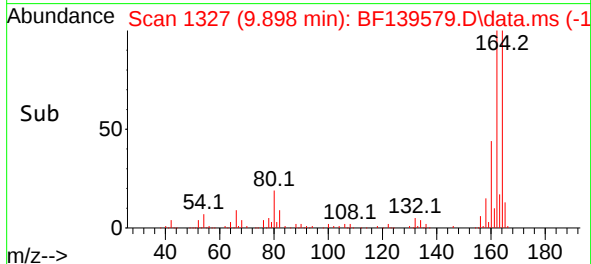
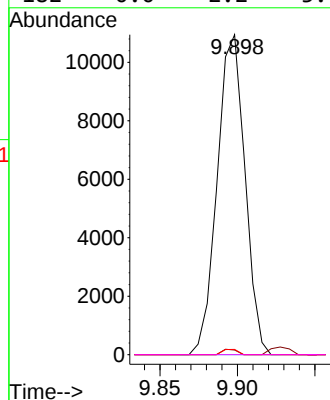
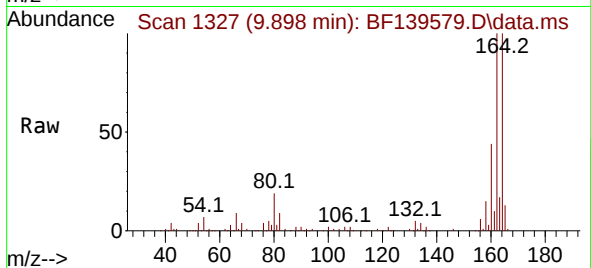




#57
2,4-Dinitrotoluene
Concen: 6.593 ng
RT: 9.898 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF139579.D
Acq: 30 Sep 2024 15:28

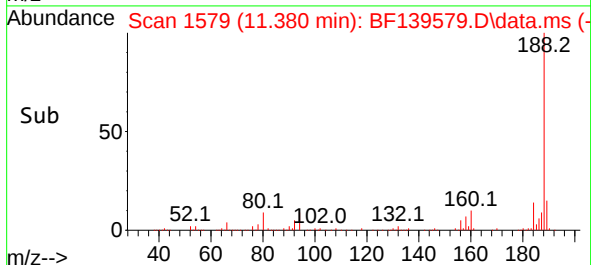
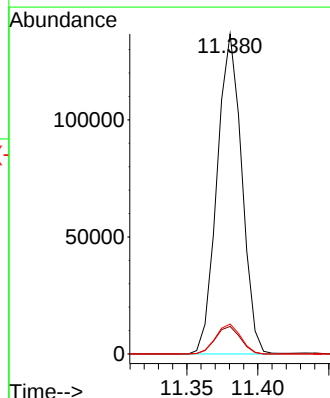
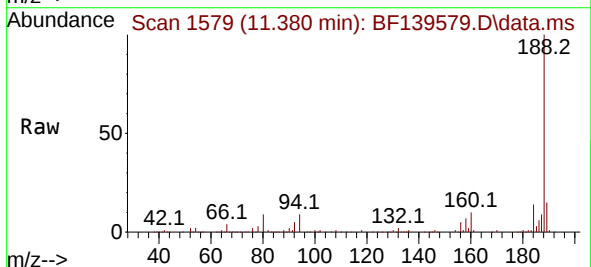
Instrument :
BNA_F
ClientSampleId :
VNJ-222

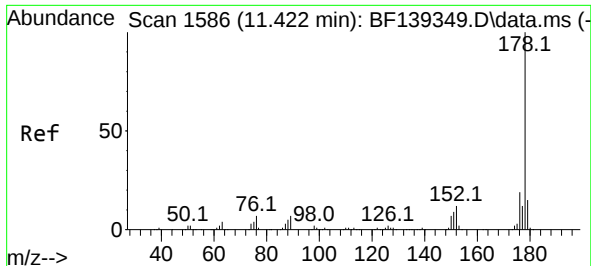
Tgt Ion:165 Resp: 13633
Ion Ratio Lower Upper
165 100
63 1.4 47.8 71.6#
89 1.7 66.7 100.1#
182 0.0 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 1579
Delta R.T. -0.018 min
Lab File: BF139579.D
Acq: 30 Sep 2024 15:28

Tgt Ion:188 Resp: 165239
Ion Ratio Lower Upper
188 100
94 8.6 5.5 8.3#
80 9.4 6.6 9.8

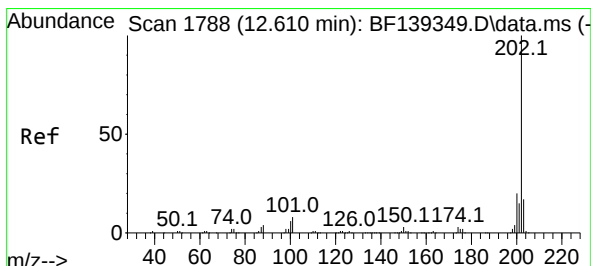
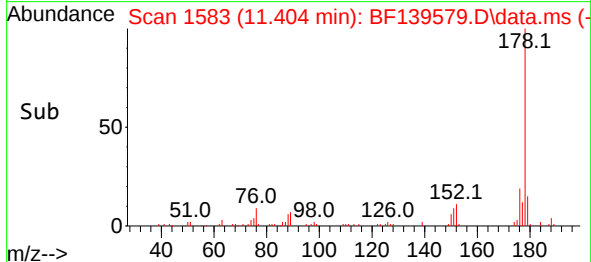
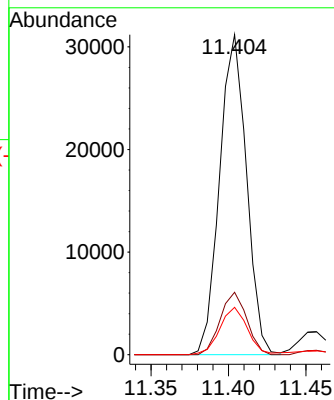
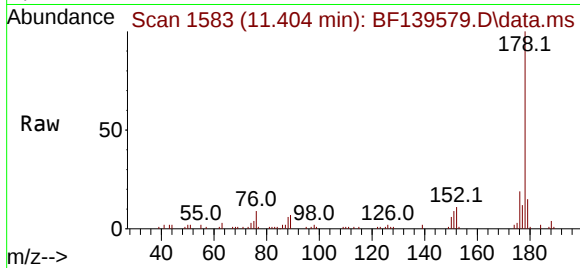




#71
Phenanthrene
Concen: 4.722 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF139579.D
Acq: 30 Sep 2024 15:28

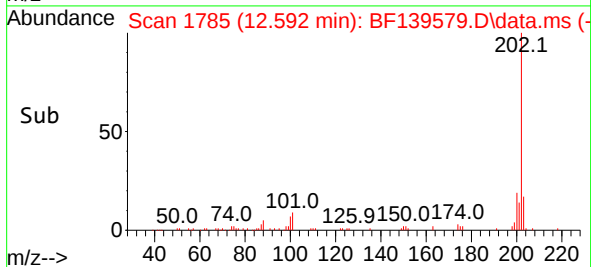
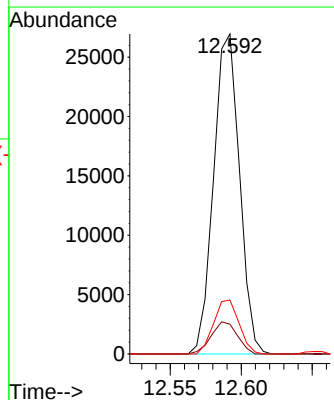
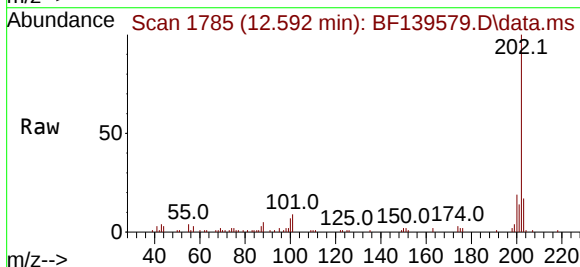
Instrument :
BNA_F
ClientSampleId :
VNJ-222

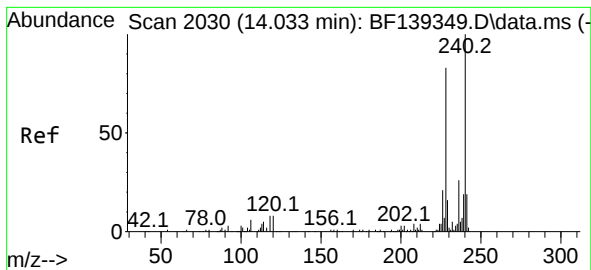
Tgt Ion:178 Resp: 37645
Ion Ratio Lower Upper
178 100
176 19.5 15.2 22.8
179 14.8 12.2 18.4



#75
Fluoranthene
Concen: 4.012 ng
RT: 12.592 min Scan# 1785
Delta R.T. -0.018 min
Lab File: BF139579.D
Acq: 30 Sep 2024 15:28

Tgt Ion:202 Resp: 34156
Ion Ratio Lower Upper
202 100
101 9.3 0.0 27.7
203 16.8 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.016 min Scan# 2030

Delta R.T. -0.018 min

Lab File: BF139579.D

Acq: 30 Sep 2024 15:28

Instrument :

BNA_F

ClientSampleId :

VNJ-222

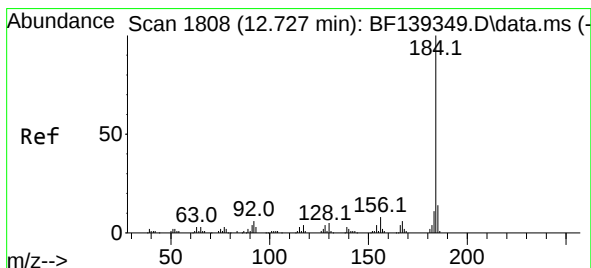
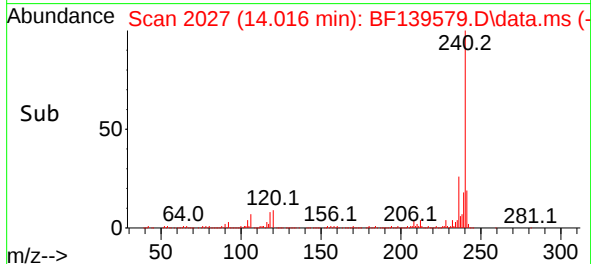
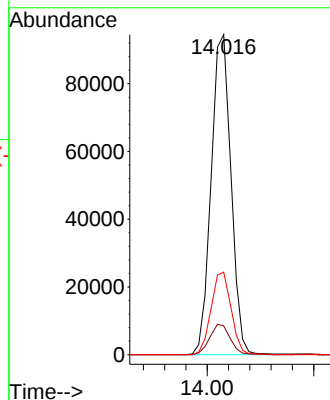
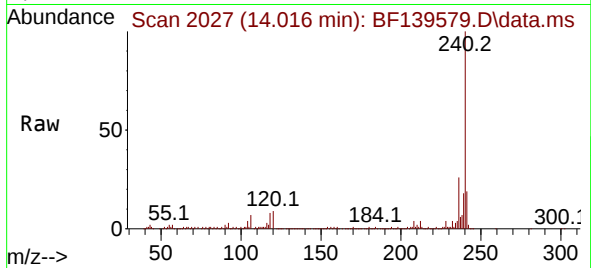
Tgt Ion:240 Resp: 122435

Ion Ratio Lower Upper

240 100

120 9.0 6.2 9.2

236 25.8 20.9 31.3



#77

Benzidine

Concen: 2.592 ng

RT: 12.963 min Scan# 1848

Delta R.T. 0.235 min

Lab File: BF139579.D

Acq: 30 Sep 2024 15:28

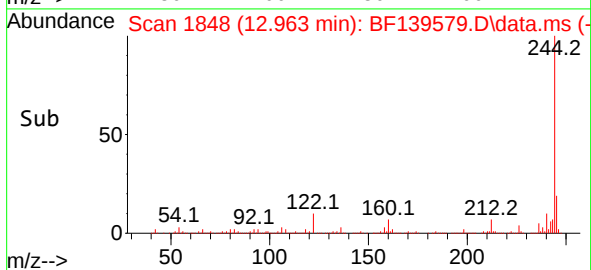
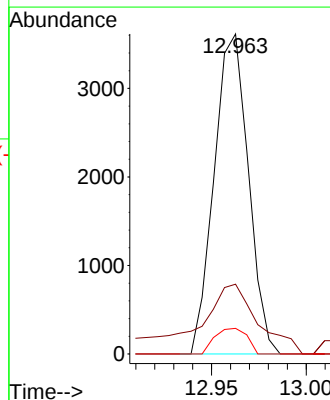
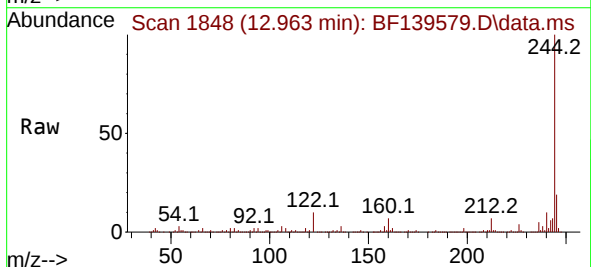
Tgt Ion:184 Resp: 4547

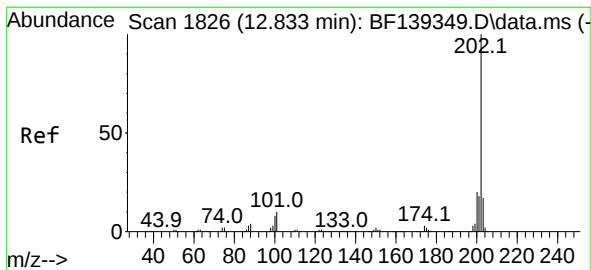
Ion Ratio Lower Upper

184 100

185 21.8 11.5 17.3#

183 8.0 8.9 13.3#





#78

Pyrene

Concen: 2.394 ng

RT: 12.822 min Scan# 1824

Delta R.T. -0.012 min

Lab File: BF139579.D

Acq: 30 Sep 2024 15:28

Instrument :

BNA_F

ClientSampleId :

VNJ-222

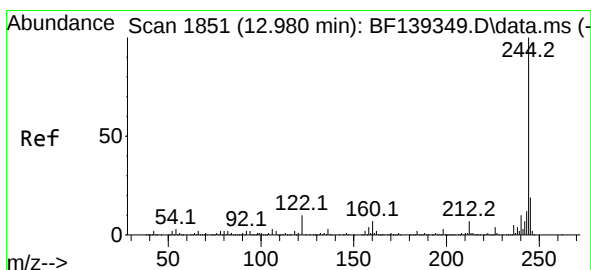
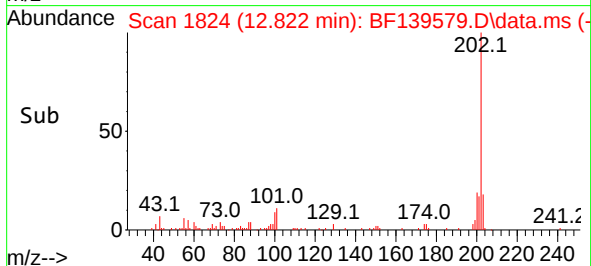
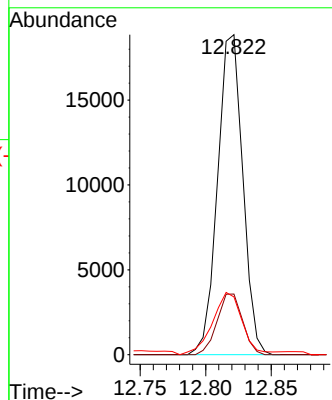
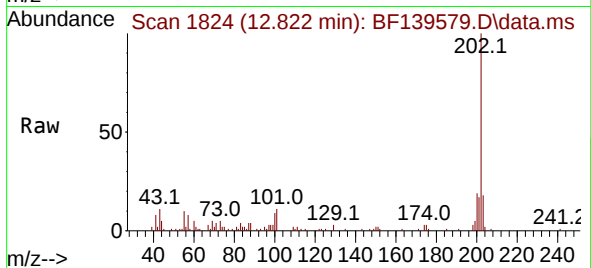
Tgt Ion:202 Resp: 25172

Ion Ratio Lower Upper

202 100

200 19.0 16.2 24.2

203 18.0 13.9 20.9



#79

Terphenyl-d14

Concen: 44.402 ng

RT: 12.963 min Scan# 1848

Delta R.T. -0.018 min

Lab File: BF139579.D

Acq: 30 Sep 2024 15:28

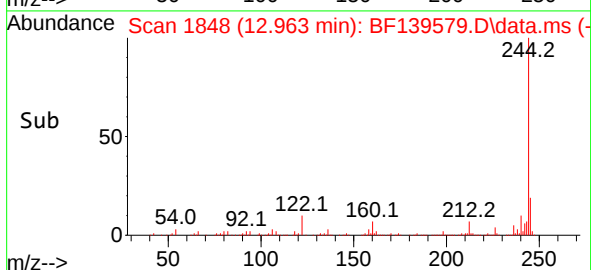
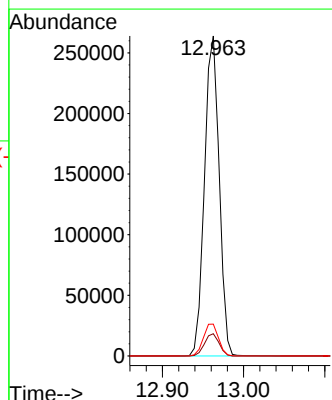
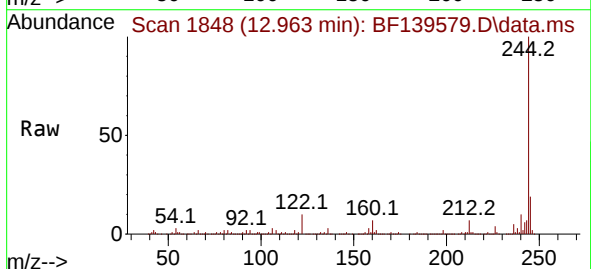
Tgt Ion:244 Resp: 331202

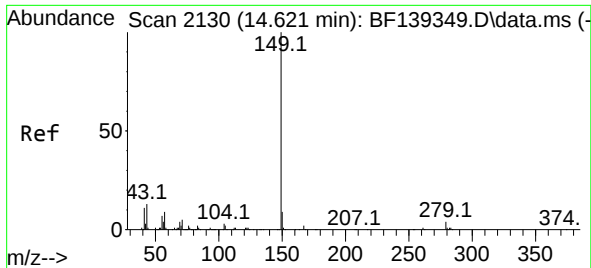
Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

122 10.0 7.6 11.4

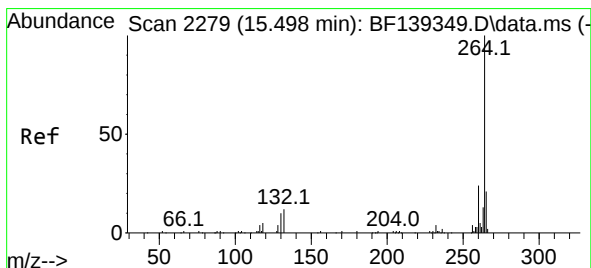
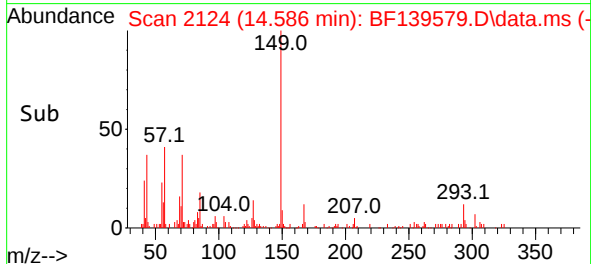
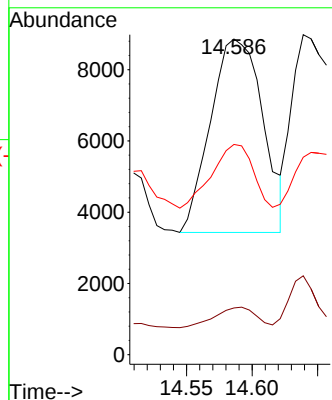
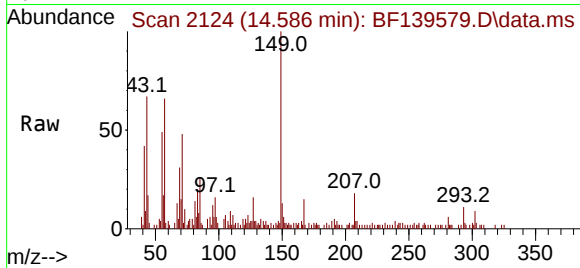




#85
Di-n-octyl phthalate
Concen: 2.249 ng
RT: 14.586 min Scan# 2130
Delta R.T. -0.035 min
Lab File: BF139579.D
Acq: 30 Sep 2024 15:28

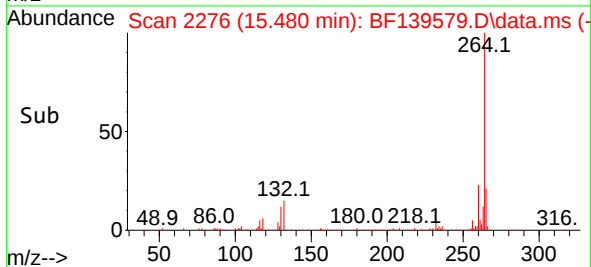
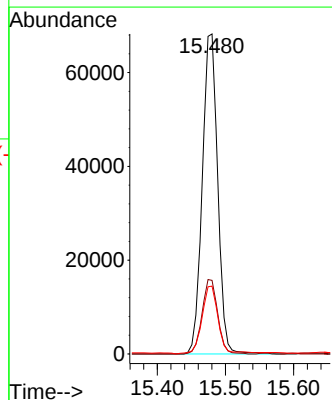
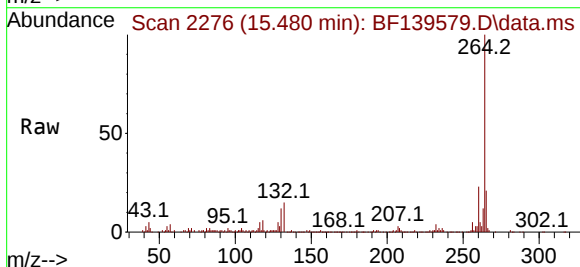
Instrument :
BNA_F
ClientSampleId :
VNJ-222

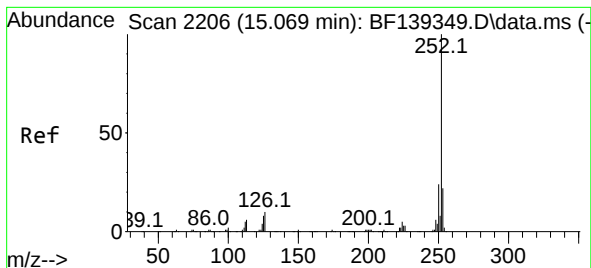
Tgt Ion:149 Resp: 15074
Ion Ratio Lower Upper
149 100
167 10.8 1.2 1.8#
43 25.5 10.6 16.0#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.480 min Scan# 2276
Delta R.T. -0.018 min
Lab File: BF139579.D
Acq: 30 Sep 2024 15:28

Tgt Ion:264 Resp: 107169
Ion Ratio Lower Upper
264 100
260 23.0 19.5 29.3
265 21.2 16.6 25.0





#88

Benzo(b)fluoranthene

Concen: 2.830 ng

RT: 15.051 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF139579.D

Acq: 30 Sep 2024 15:28

Instrument :

BNA_F

ClientSampleId :

VNJ-222

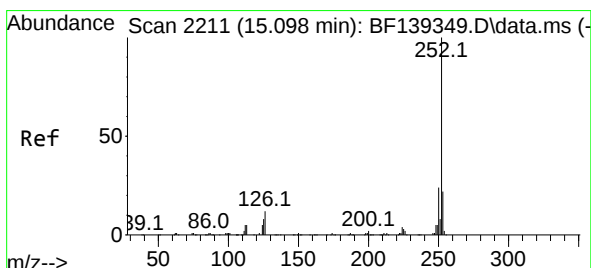
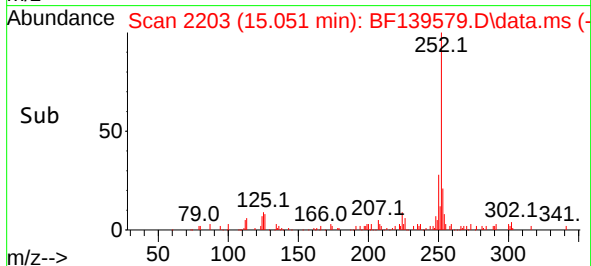
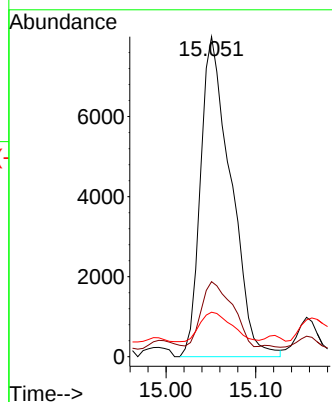
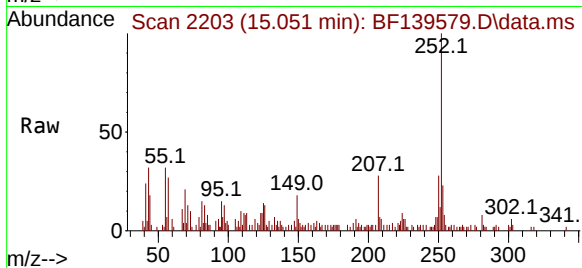
Tgt Ion:252 Resp: 18705

Ion Ratio Lower Upper

252 100

253 23.4 17.6 26.4

125 13.9 6.2 9.2#



#89

Benzo(k)fluoranthene

Concen: 3.069 ng

RT: 15.051 min Scan# 2203

Delta R.T. -0.047 min

Lab File: BF139579.D

Acq: 30 Sep 2024 15:28

Tgt Ion:252 Resp: 18705

Ion Ratio Lower Upper

252 100

253 23.4 17.3 25.9

125 13.9 5.9 8.9#

