

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF093024\
 Data File : BF139581.D
 Acq On : 30 Sep 2024 17:02
 Operator : RC/JU
 Sample : P4192-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-222RE

Quant Time: Sep 30 17:26:06 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)

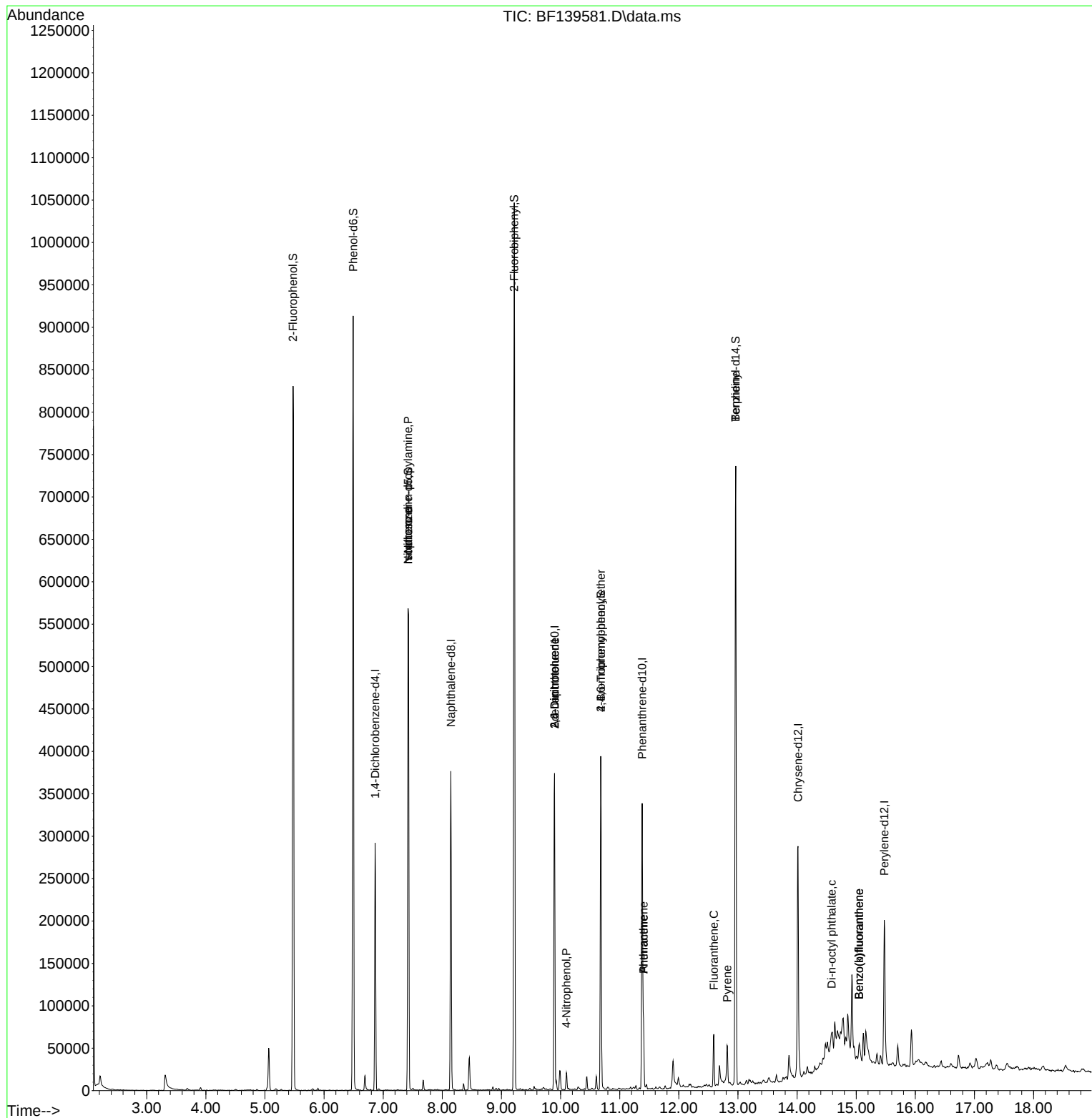
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	56610	20.000	ng	-0.02
21) Naphthalene-d8	8.145	136	213487	20.000	ng	#-0.02
39) Acenaphthene-d10	9.898	164	108016	20.000	ng	-0.02
64) Phenanthrene-d10	11.380	188	172298	20.000	ng	#-0.02
76) Chrysene-d12	14.015	240	121964	20.000	ng	#-0.02
86) Perylene-d12	15.474	264	93963	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	278436	80.238	ng	-0.02
7) Phenol-d6	6.492	99	374258	82.168	ng	-0.01
23) Nitrobenzene-d5	7.422	82	239893	52.826	ng	-0.02
42) 2,4,6-Tribromophenol	10.680	330	56549	49.175	ng	-0.02
45) 2-Fluorobiphenyl	9.216	172	432446	56.150	ng	-0.02
79) Terphenyl-d14	12.963	244	350009	47.104	ng	-0.02
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	32125	11.902	ng	# 75
25) Isophorone	7.422	82	239889	33.402	ng	# 66
51) 2,6-Dinitrotoluene	9.898	165	14477	9.218	ng	# 13
56) 4-Nitrophenol	10.098	139	3019	2.325	ng	# 1
57) 2,4-Dinitrotoluene	9.898	165	14477	6.828	ng	# 15
67) 4-Bromophenyl-phenylether	10.680	248	3924	2.298	ng	# 1
71) Phenanthrene	11.404	178	40318	4.850	ng	99
72) Anthracene	11.404	178	40318	4.961	ng	99
75) Fluoranthene	12.592	202	35002	3.943	ng	98
77) Benzidine	12.963	184	4908	2.809	ng	# 92
78) Pyrene	12.821	202	26361	2.517	ng	98
85) Di-n-octyl phthalate	14.586	149	16108	2.412	ng	# 49
88) Benzo(b)fluoranthene	15.051	252	15965	2.755	ng	# 91
89) Benzo(k)fluoranthene	15.051	252	15965	2.988	ng	# 90

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

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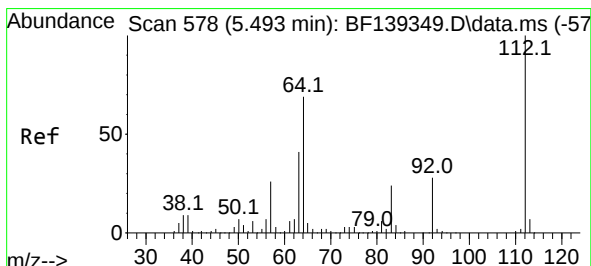
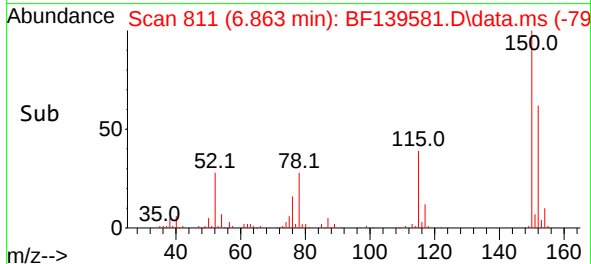
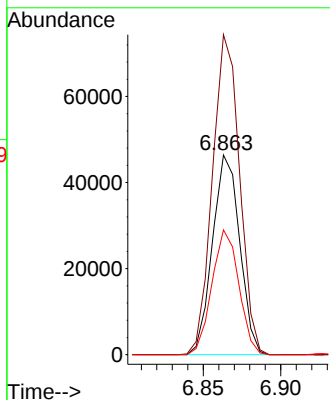
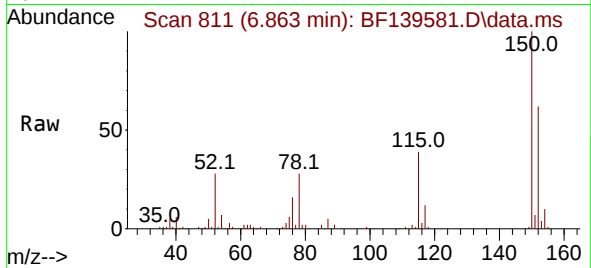




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 814
Delta R.T. -0.018 min
Lab File: BF139581.D
Acq: 30 Sep 2024 17:02

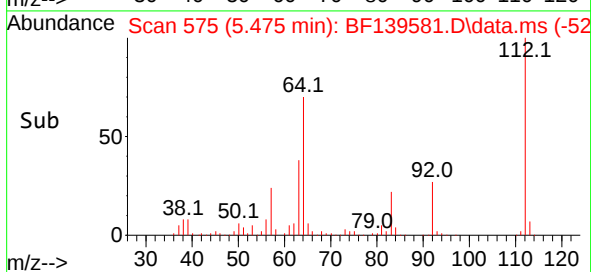
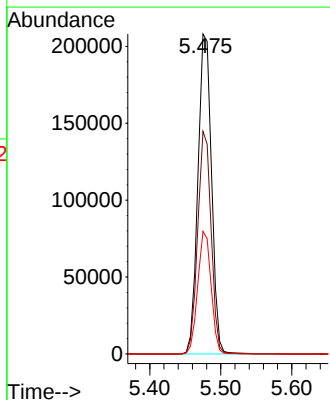
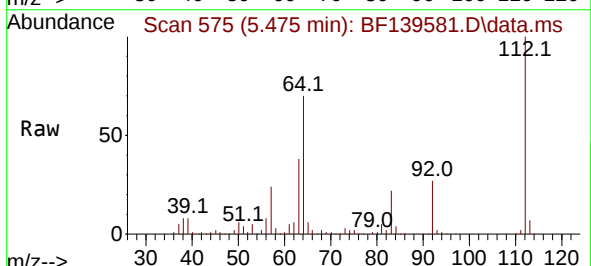
Instrument :
BNA_F
ClientSampleId :
VNJ-222RE

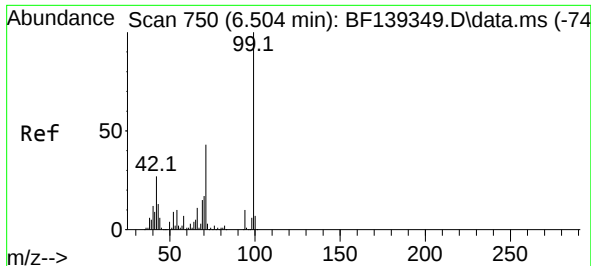
Tgt Ion:152 Resp: 56610
Ion Ratio Lower Upper
152 100
150 160.2 124.1 186.1
115 62.5 48.1 72.1



#5
2-Fluorophenol
Concen: 80.238 ng
RT: 5.475 min Scan# 575
Delta R.T. -0.018 min
Lab File: BF139581.D
Acq: 30 Sep 2024 17:02

Tgt Ion:112 Resp: 278436
Ion Ratio Lower Upper
112 100
64 69.5 54.8 82.2
63 38.3 33.0 49.4

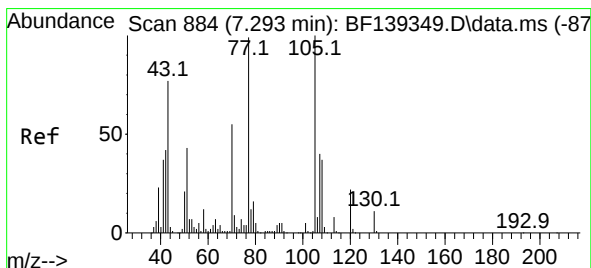
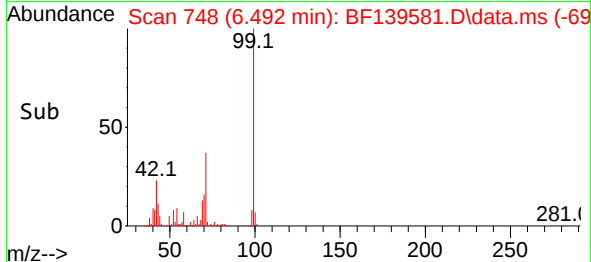
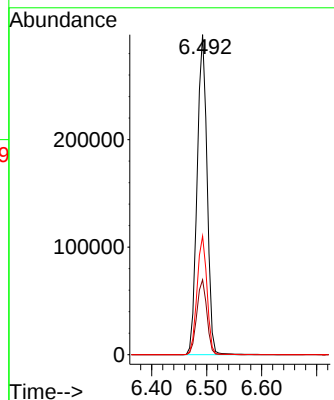
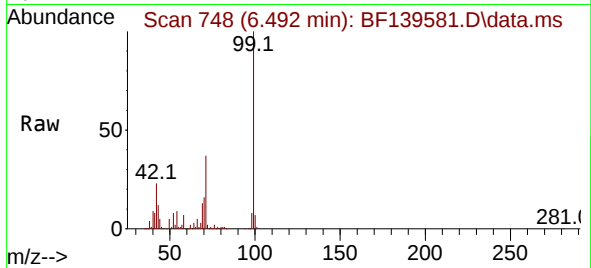




#7
Phenol-d6
Concen: 82.168 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF139581.D
Acq: 30 Sep 2024 17:02

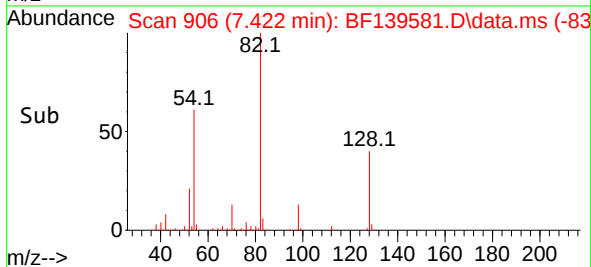
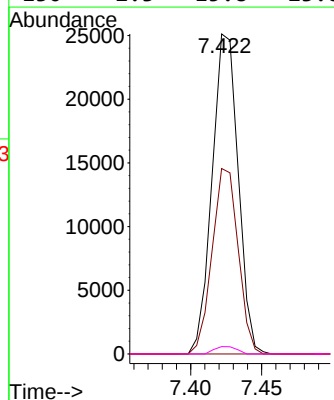
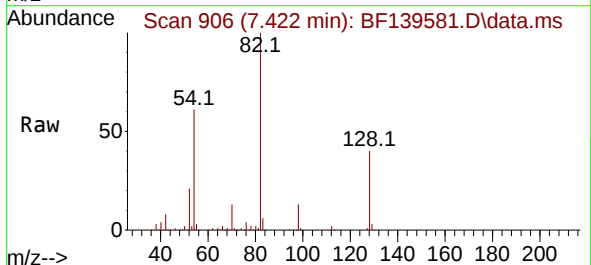
Instrument :
BNA_F
ClientSampleId :
VNJ-222RE

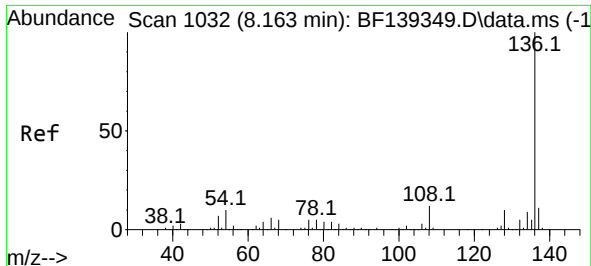
Tgt Ion: 99 Resp: 374258
Ion Ratio Lower Upper
99 100
42 23.4 21.9 32.9
71 37.0 34.6 52.0



#19
n-Nitroso-di-n-propylamine
Concen: 11.902 ng
RT: 7.422 min Scan# 906
Delta R.T. 0.129 min
Lab File: BF139581.D
Acq: 30 Sep 2024 17:02

Tgt Ion: 70 Resp: 32125
Ion Ratio Lower Upper
70 100
42 57.9 61.2 91.8#
101 0.0 7.5 11.3#
130 2.3 15.8 23.8#

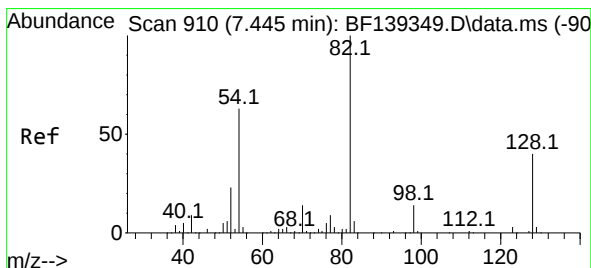
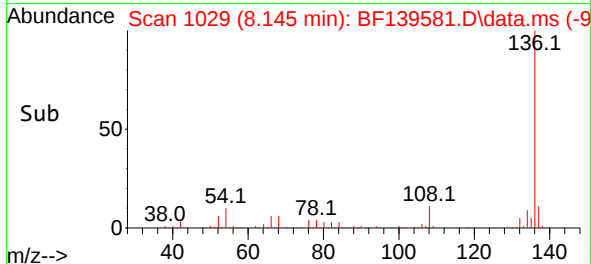
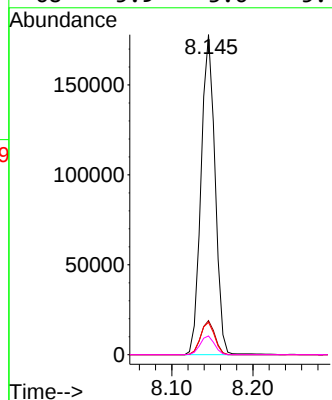
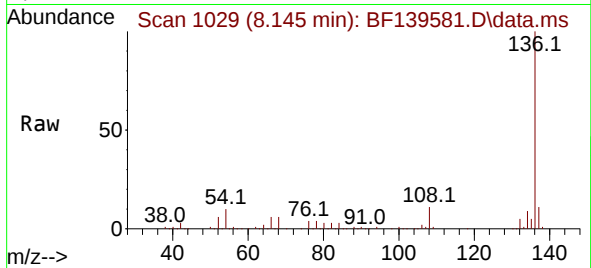




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1032
Delta R.T. -0.018 min
Lab File: BF139581.D
Acq: 30 Sep 2024 17:02

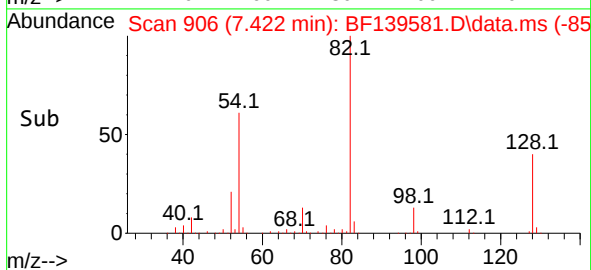
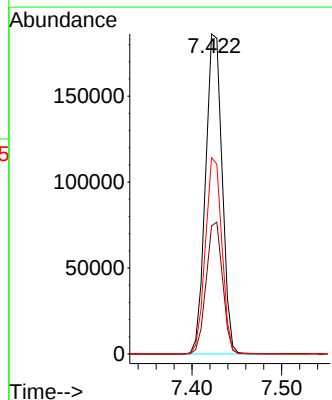
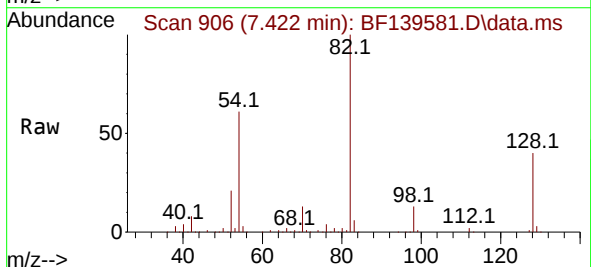
Instrument :
BNA_F
ClientSampleId :
VNJ-222RE

Tgt Ion:136 Resp: 213487
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 10.1 7.8 11.8
68 5.9 3.6 5.4#



#23
Nitrobenzene-d5
Concen: 52.826 ng
RT: 7.422 min Scan# 906
Delta R.T. -0.024 min
Lab File: BF139581.D
Acq: 30 Sep 2024 17:02

Tgt Ion: 82 Resp: 239893
Ion Ratio Lower Upper
82 100
128 40.0 31.8 47.6
54 61.4 50.6 75.8

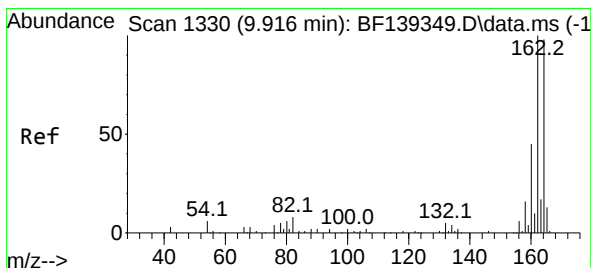
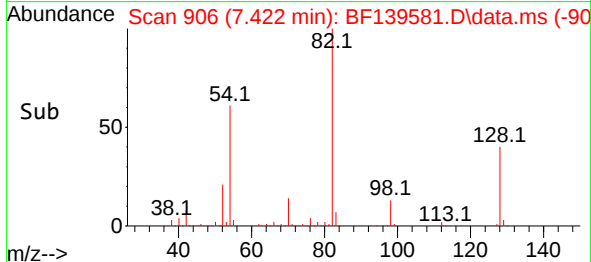
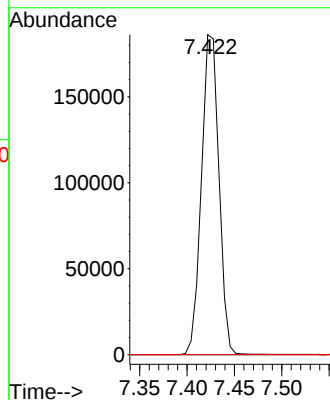
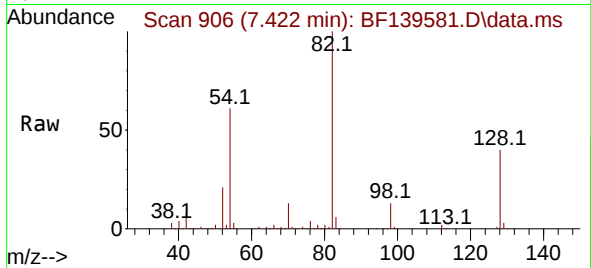




#25
Isophorone
Concen: 33.402 ng
RT: 7.422 min Scan# 90
Delta R.T. -0.277 min
Lab File: BF139581.D
Acq: 30 Sep 2024 17:02

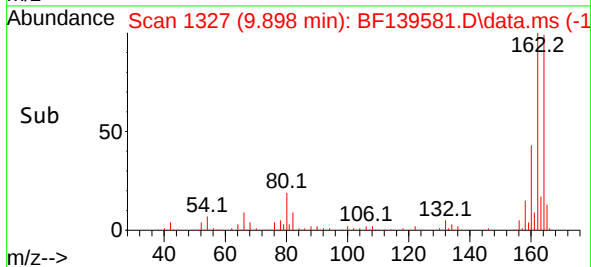
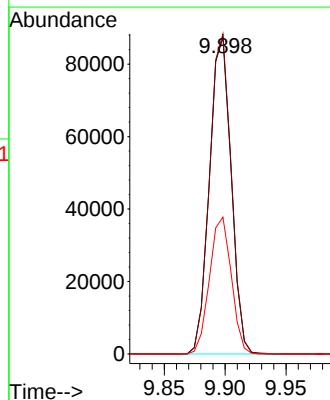
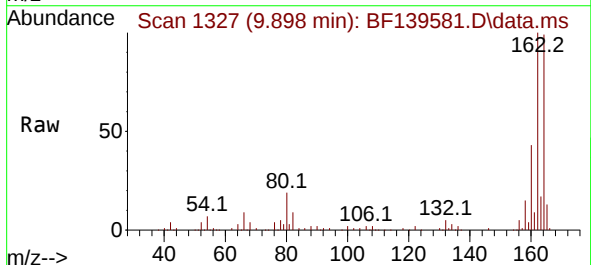
Instrument :
BNA_F
ClientSampleId :
VNJ-222RE

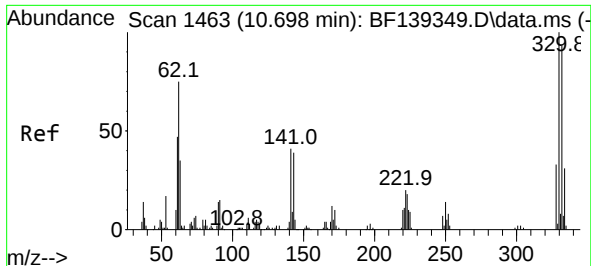
Tgt Ion: 82 Resp: 239889
Ion Ratio Lower Upper
82 100
95 0.0 6.7 10.1#
138 0.0 13.3 19.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.018 min
Lab File: BF139581.D
Acq: 30 Sep 2024 17:02

Tgt Ion:164 Resp: 108016
Ion Ratio Lower Upper
164 100
162 101.1 81.3 121.9
160 43.2 36.4 54.6





#42

2,4,6-Tribromophenol

Concen: 49.175 ng

RT: 10.680 min Scan# 1460

Delta R.T. -0.018 min

Lab File: BF139581.D

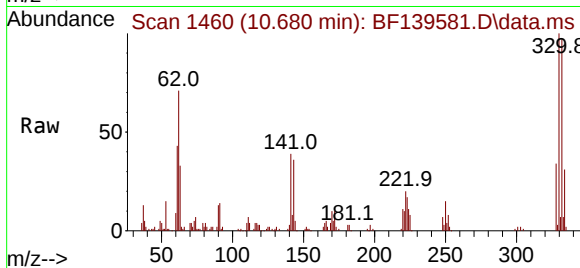
Acq: 30 Sep 2024 17:02

Instrument :

BNA_F

ClientSampleId :

VNJ-222RE



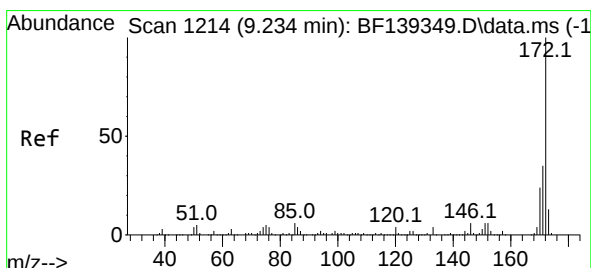
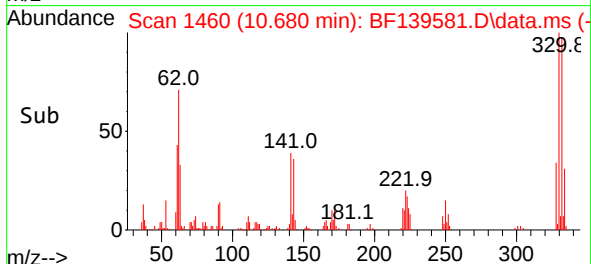
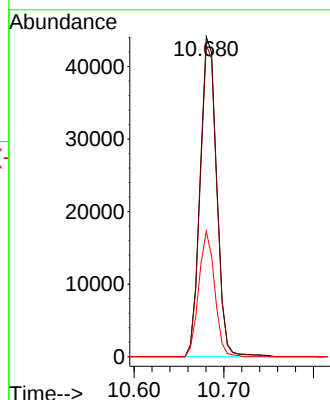
Tgt Ion:330 Resp: 56549

Ion Ratio Lower Upper

330 100

332 97.4 75.2 112.8

141 37.5 31.2 46.8



#45

2-Fluorobiphenyl

Concen: 56.150 ng

RT: 9.216 min Scan# 1211

Delta R.T. -0.018 min

Lab File: BF139581.D

Acq: 30 Sep 2024 17:02

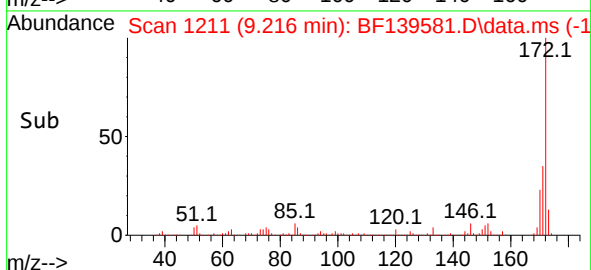
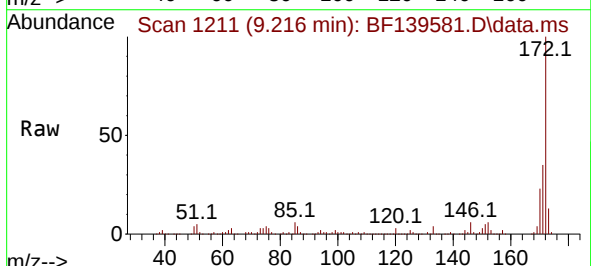
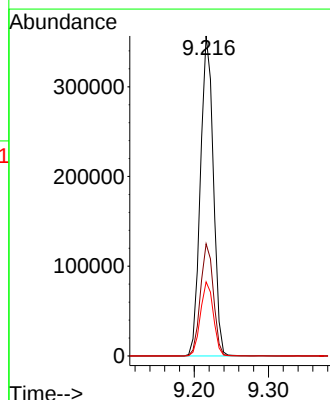
Tgt Ion:172 Resp: 432446

Ion Ratio Lower Upper

172 100

171 35.1 28.3 42.5

170 23.1 19.0 28.6

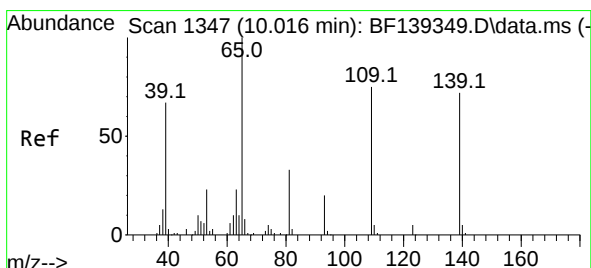
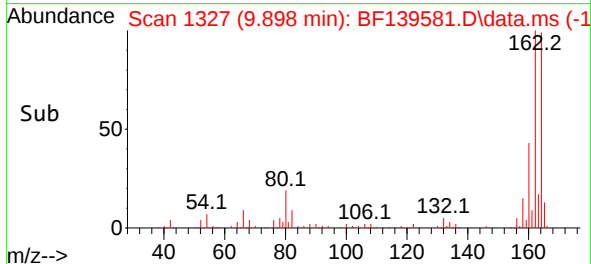
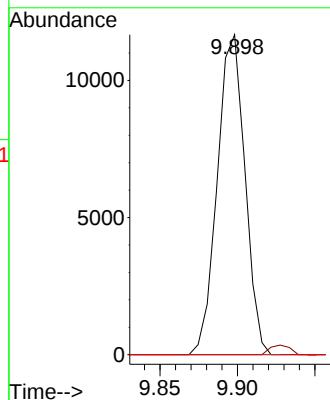
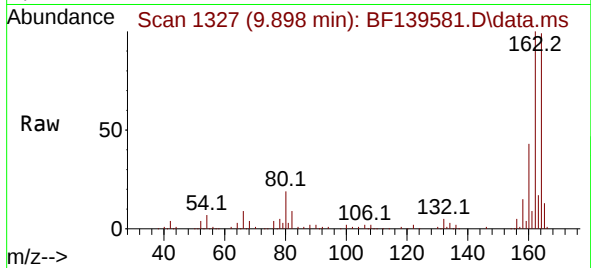




#51
2,6-Dinitrotoluene
Concen: 9.218 ng
RT: 9.898 min Scan# 1361
Delta R.T. 0.200 min
Lab File: BF139581.D
Acq: 30 Sep 2024 17:02

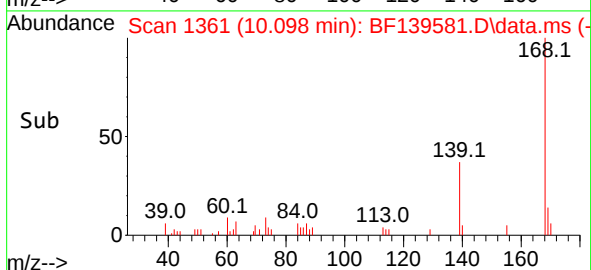
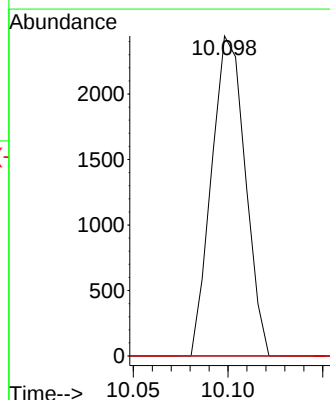
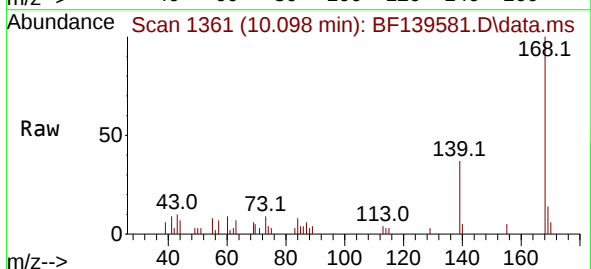
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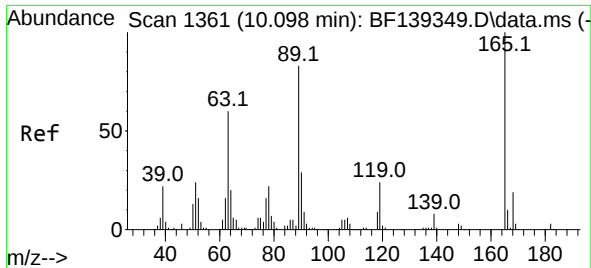
Tgt Ion:165 Resp: 14477
Ion Ratio Lower Upper
165 100
63 0.0 60.9 91.3#
89 0.0 54.7 82.1#



#56
4-Nitrophenol
Concen: 2.325 ng
RT: 10.098 min Scan# 1361
Delta R.T. 0.082 min
Lab File: BF139581.D
Acq: 30 Sep 2024 17:02

Tgt Ion:139 Resp: 3019
Ion Ratio Lower Upper
139 100
109 0.0 84.1 124.1#
65 0.0 120.0 160.0#

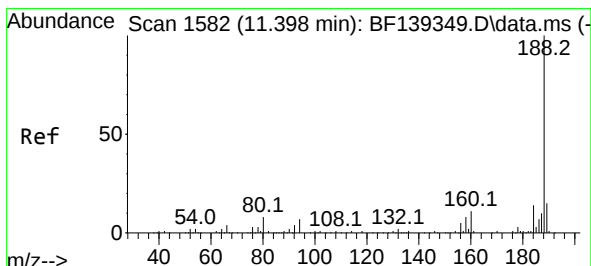
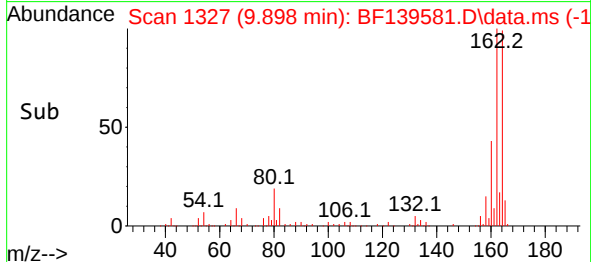
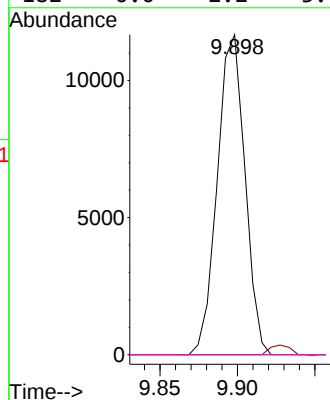
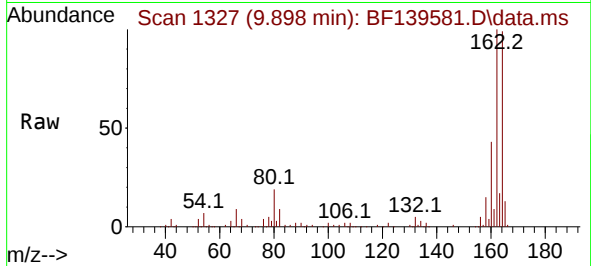




#57
2,4-Dinitrotoluene
Concen: 6.828 ng
RT: 9.898 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF139581.D
Acq: 30 Sep 2024 17:02

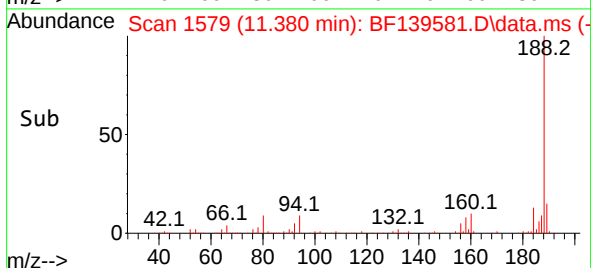
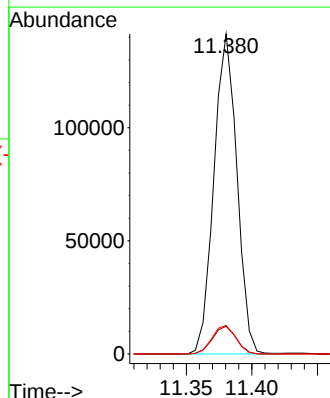
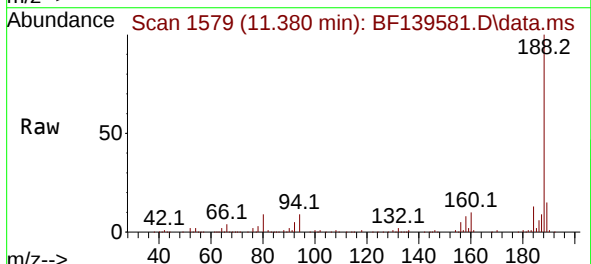
Instrument :
BNA_F
ClientSampleId :
VNJ-222RE

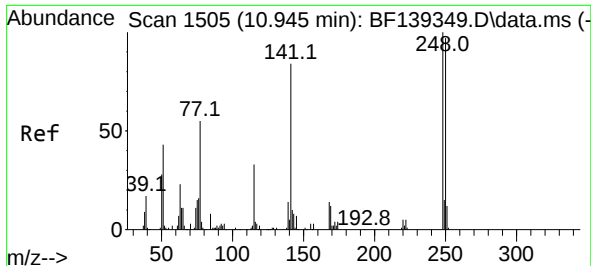
Tgt Ion:165 Resp: 14477
Ion Ratio Lower Upper
165 100
63 0.0 47.8 71.6#
89 0.0 66.7 100.1#
182 0.0 2.2 3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 1579
Delta R.T. -0.018 min
Lab File: BF139581.D
Acq: 30 Sep 2024 17:02

Tgt Ion:188 Resp: 172298
Ion Ratio Lower Upper
188 100
94 8.6 5.5 8.3#
80 9.0 6.6 9.8

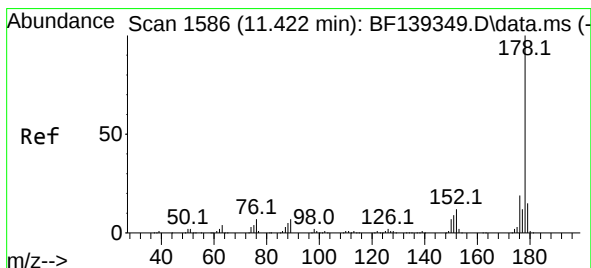
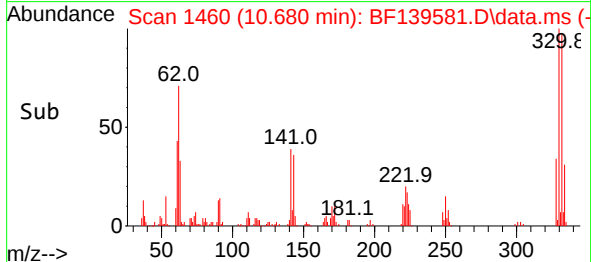
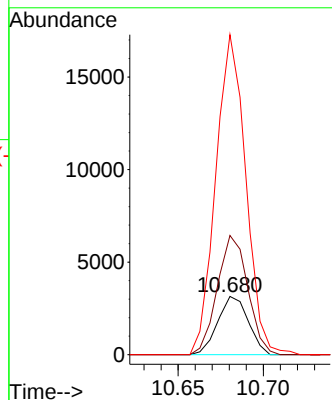
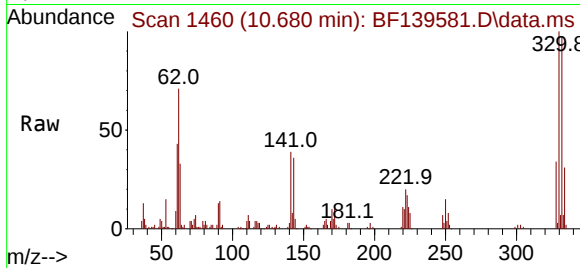




#67
4-Bromophenyl-phenylether
Concen: 2.298 ng
RT: 10.680 min Scan# 1460
Delta R.T. -0.265 min
Lab File: BF139581.D
Acq: 30 Sep 2024 17:02

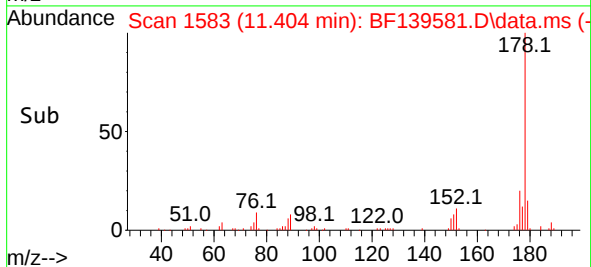
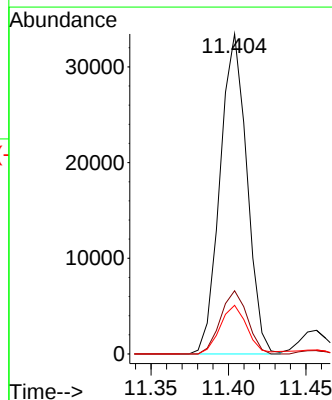
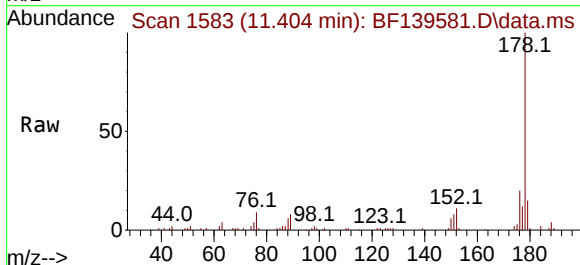
Instrument :
BNA_F
ClientSampleId :
VNJ-222RE

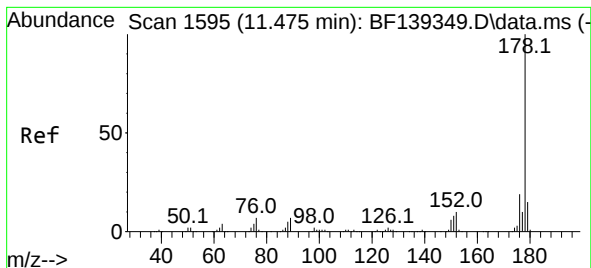
Tgt Ion:248 Resp: 3924
Ion Ratio Lower Upper
248 100
250 204.7 77.6 116.4#
141 549.9 66.9 100.3#



#71
Phenanthrene
Concen: 4.850 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.018 min
Lab File: BF139581.D
Acq: 30 Sep 2024 17:02

Tgt Ion:178 Resp: 40318
Ion Ratio Lower Upper
178 100
176 19.8 15.2 22.8
179 15.2 12.2 18.4





#72

Anthracene

Concen: 4.961 ng

RT: 11.404 min Scan# 11

Delta R.T. -0.071 min

Lab File: BF139581.D

Acq: 30 Sep 2024 17:02

Instrument :

BNA_F

ClientSampleId :

VNJ-222RE

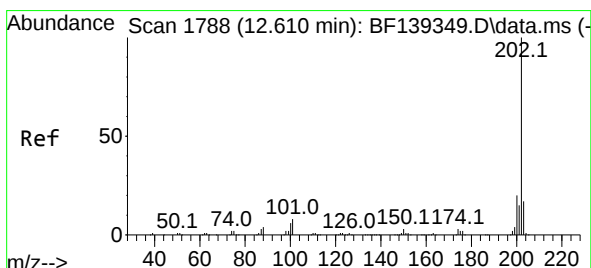
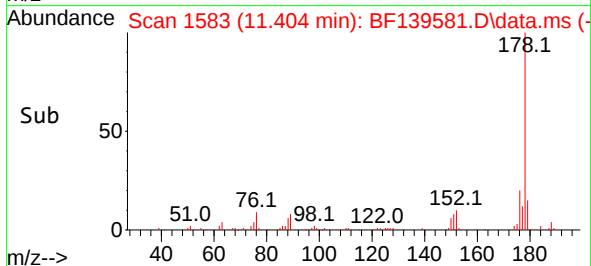
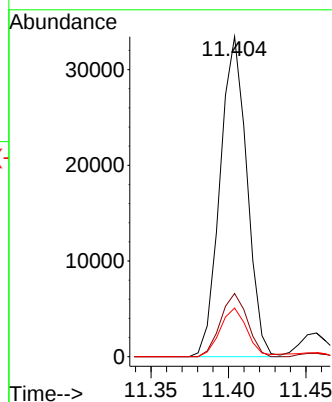
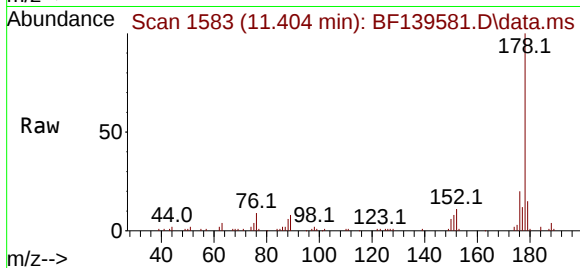
Tgt Ion:178 Resp: 40318

Ion Ratio Lower Upper

178 100

176 19.8 15.0 22.6

179 15.2 12.0 18.0



#75

Fluoranthene

Concen: 3.943 ng

RT: 12.592 min Scan# 1785

Delta R.T. -0.018 min

Lab File: BF139581.D

Acq: 30 Sep 2024 17:02

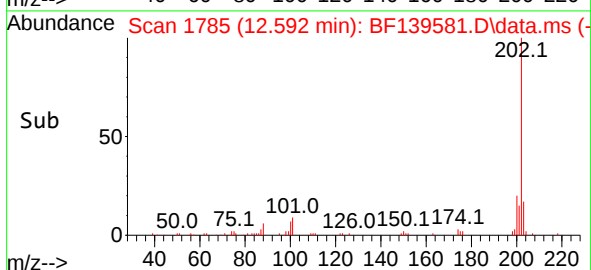
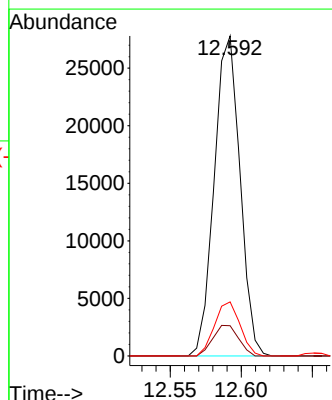
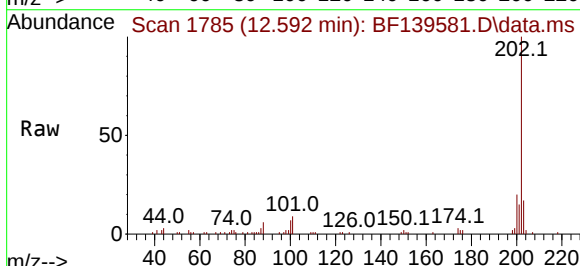
Tgt Ion:202 Resp: 35002

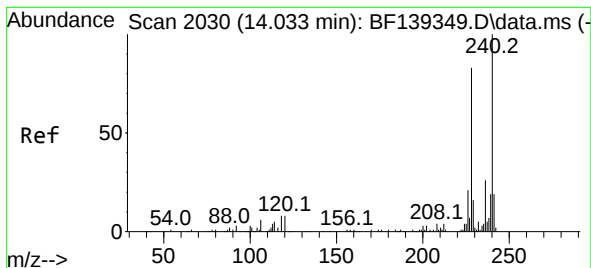
Ion Ratio Lower Upper

202 100

101 9.5 0.0 27.7

203 16.9 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.015 min Scan# 2030

Delta R.T. -0.018 min

Lab File: BF139581.D

Acq: 30 Sep 2024 17:02

Instrument :

BNA_F

ClientSampleId :

VNJ-222RE

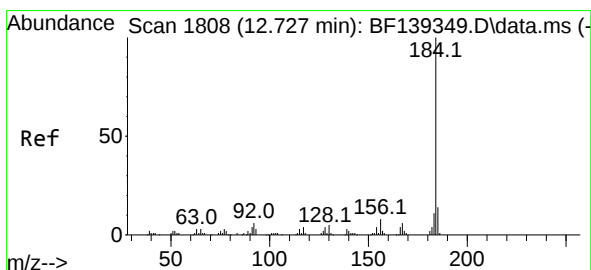
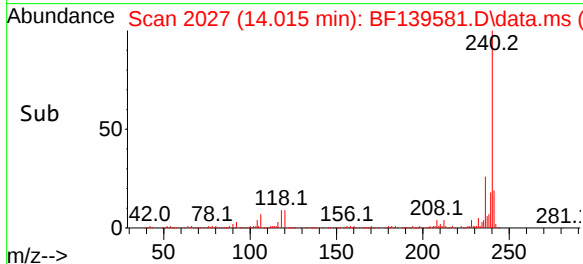
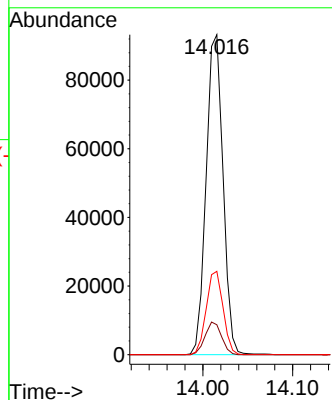
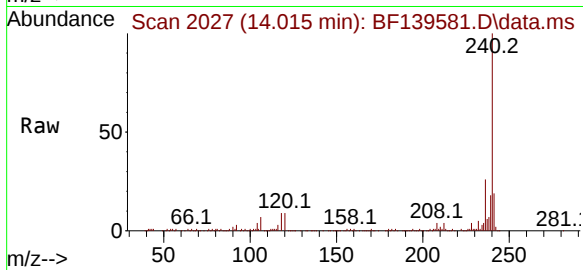
Tgt Ion:240 Resp: 121964

Ion Ratio Lower Upper

240 100

120 9.4 6.2 9.2#

236 26.1 20.9 31.3



#77

Benzidine

Concen: 2.809 ng

RT: 12.963 min Scan# 1848

Delta R.T. 0.235 min

Lab File: BF139581.D

Acq: 30 Sep 2024 17:02

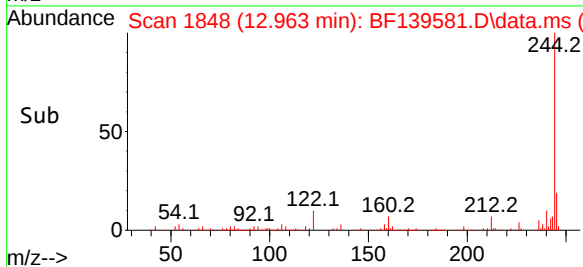
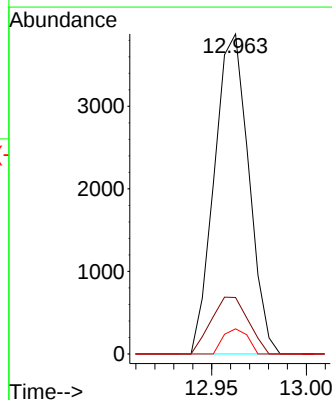
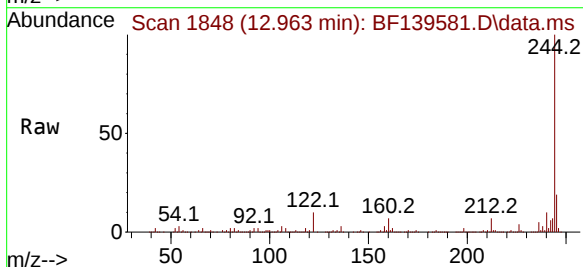
Tgt Ion:184 Resp: 4908

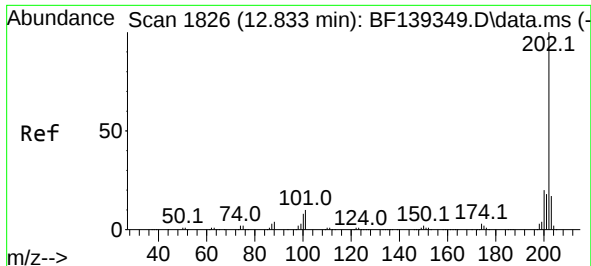
Ion Ratio Lower Upper

184 100

185 17.6 11.5 17.3#

183 7.8 8.9 13.3#

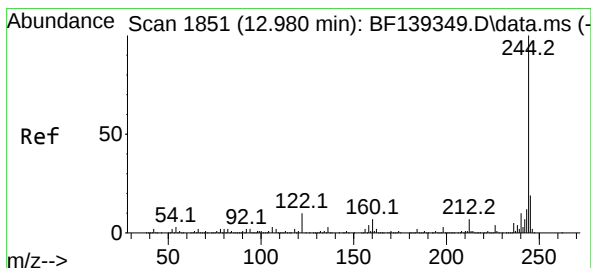
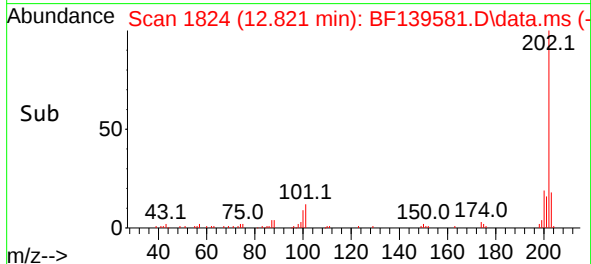
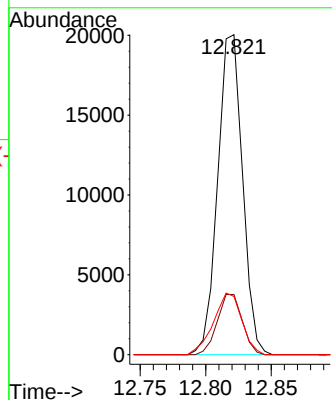
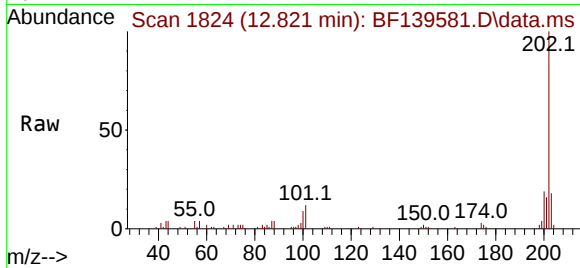




#78
 Pyrene
 Concen: 2.517 ng
 RT: 12.821 min Scan# 1824
 Delta R.T. -0.012 min
 Lab File: BF139581.D
 Acq: 30 Sep 2024 17:02

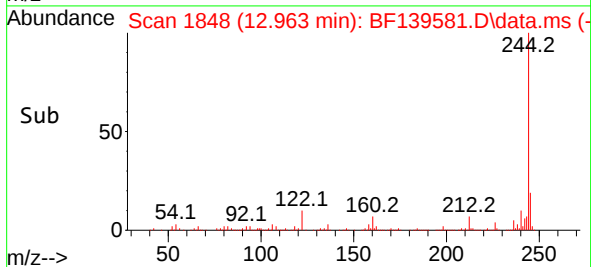
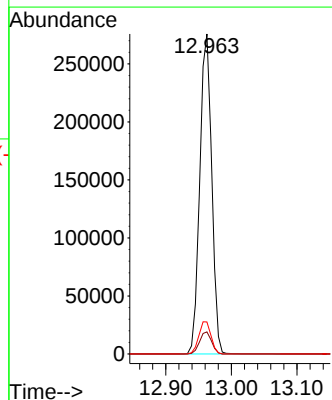
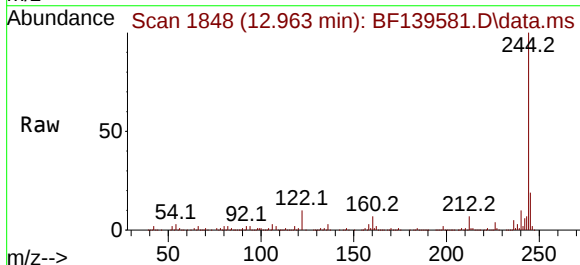
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-222RE

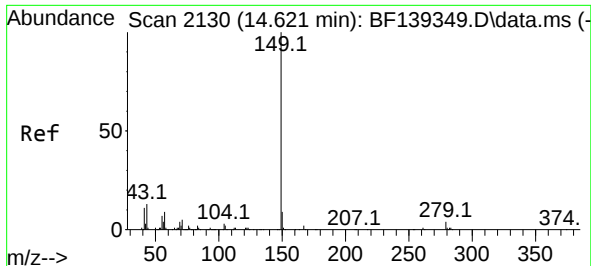
Tgt Ion:202 Resp: 26361
 Ion Ratio Lower Upper
 202 100
 200 18.8 16.2 24.2
 203 18.2 13.9 20.9



#79
 Terphenyl-d14
 Concen: 47.104 ng
 RT: 12.963 min Scan# 1848
 Delta R.T. -0.018 min
 Lab File: BF139581.D
 Acq: 30 Sep 2024 17:02

Tgt Ion:244 Resp: 350009
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 10.0 7.6 11.4

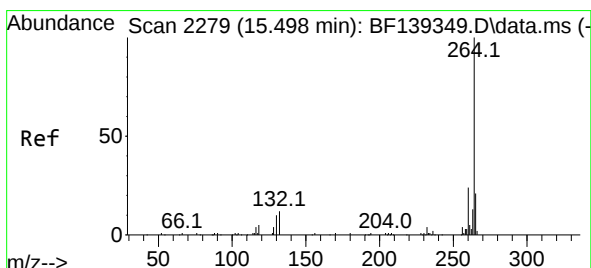
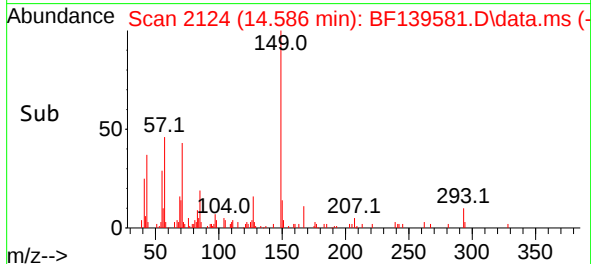
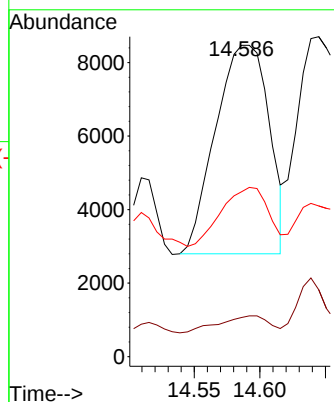
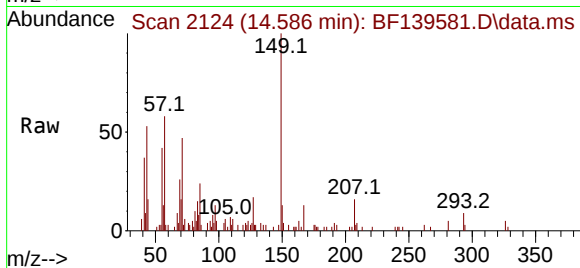




#85
Di-n-octyl phthalate
Concen: 2.412 ng
RT: 14.586 min Scan# 2130
Delta R.T. -0.035 min
Lab File: BF139581.D
Acq: 30 Sep 2024 17:02

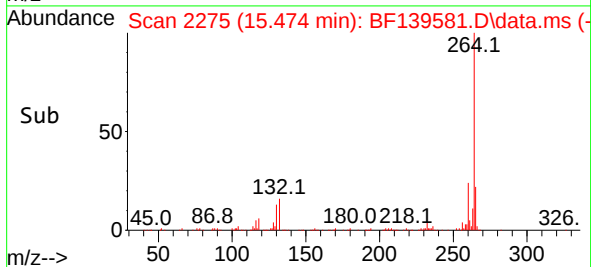
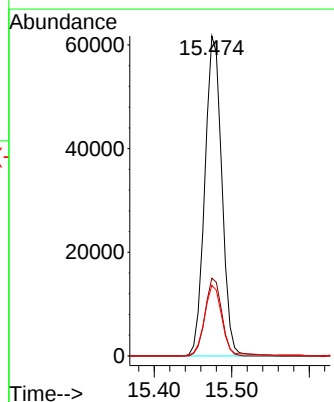
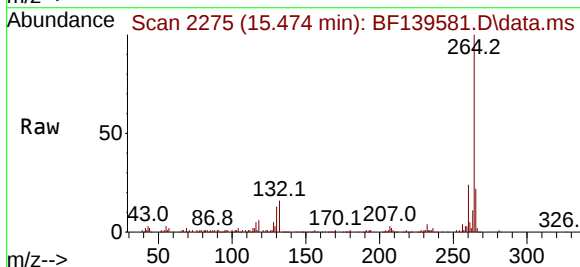
Instrument :
BNA_F
ClientSampleId :
VNJ-222RE

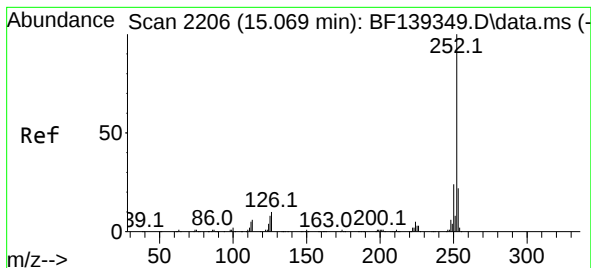
Tgt Ion:149 Resp: 16108
Ion Ratio Lower Upper
149 100
167 7.6 1.2 1.8#
43 35.3 10.6 16.0#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.474 min Scan# 2275
Delta R.T. -0.024 min
Lab File: BF139581.D
Acq: 30 Sep 2024 17:02

Tgt Ion:264 Resp: 93963
Ion Ratio Lower Upper
264 100
260 24.3 19.5 29.3
265 22.1 16.6 25.0





#88

Benzo(b)fluoranthene

Concen: 2.755 ng

RT: 15.051 min Scan# 2203

Delta R.T. -0.018 min

Lab File: BF139581.D

Acq: 30 Sep 2024 17:02

Instrument :

BNA_F

ClientSampleId :

VNJ-222RE

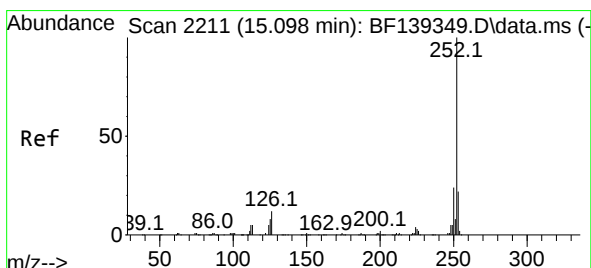
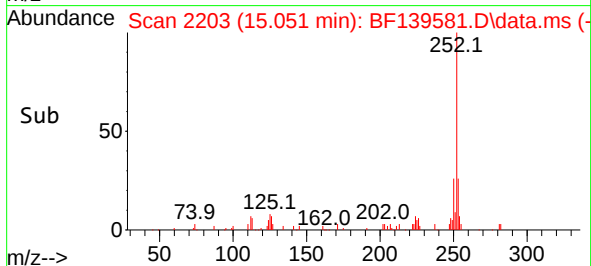
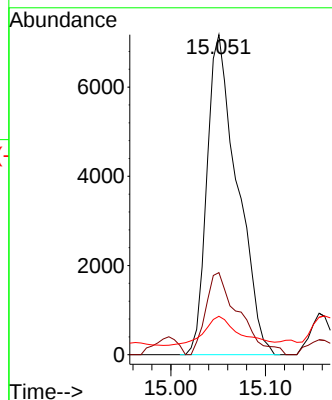
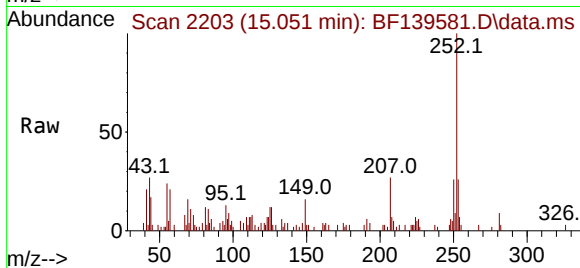
Tgt Ion:252 Resp: 15965

Ion Ratio Lower Upper

252 100

253 25.7 17.6 26.4

125 12.0 6.2 9.2#



#89

Benzo(k)fluoranthene

Concen: 2.988 ng

RT: 15.051 min Scan# 2203

Delta R.T. -0.047 min

Lab File: BF139581.D

Acq: 30 Sep 2024 17:02

Tgt Ion:252 Resp: 15965

Ion Ratio Lower Upper

252 100

253 25.7 17.3 25.9

125 12.0 5.9 8.9#

