

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081524\
 Data File : BF139033.D
 Acq On : 15 Aug 2024 20:44
 Operator : RC/JU
 Sample : P3600-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VCPS-B3-081324-0-10

Quant Time: Aug 16 00:27:56 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF073024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 30 17:50:01 2024
 Response via : Initial Calibration

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

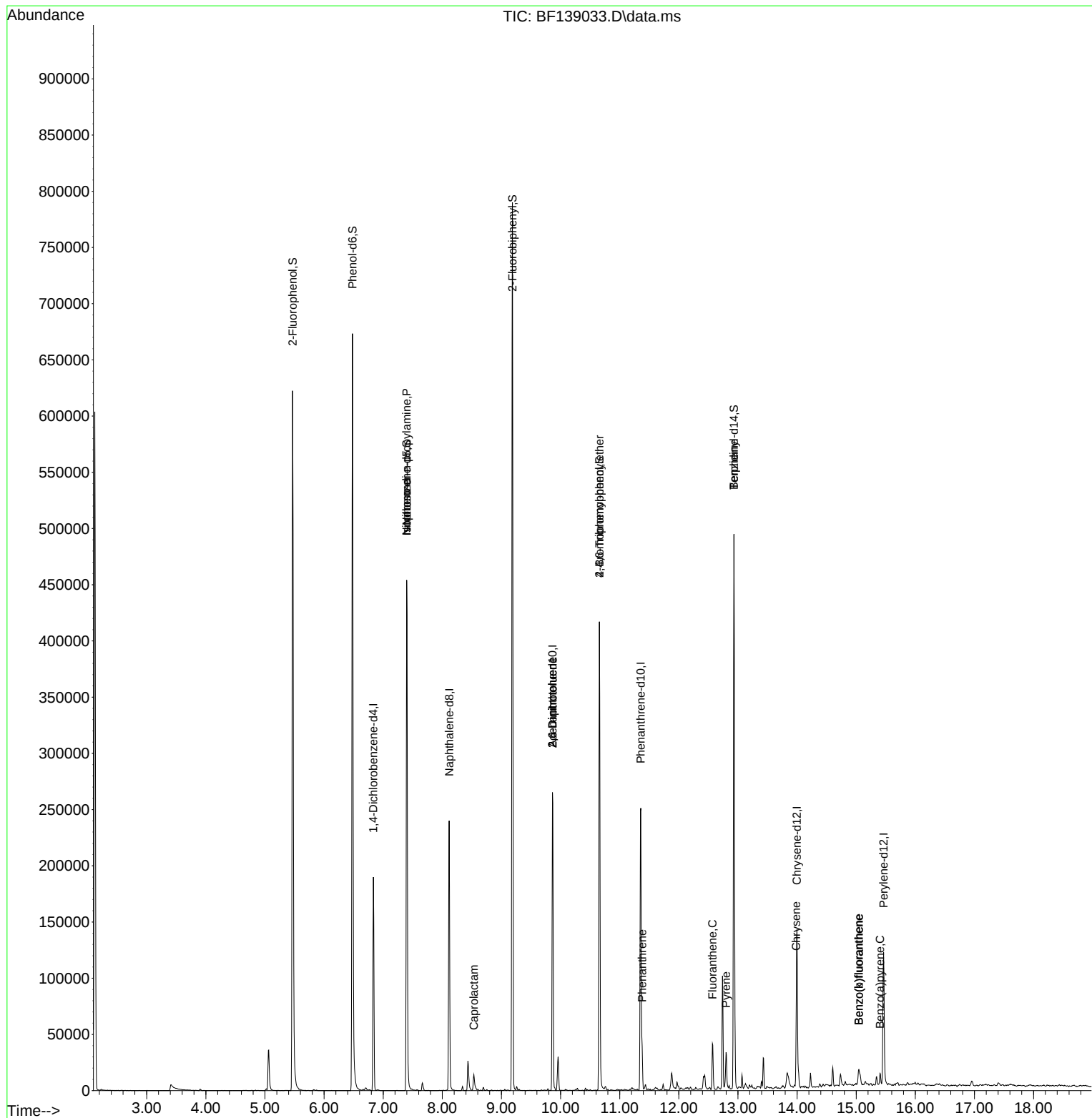
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	34463	20.000	ng	-0.01
21) Naphthalene-d8	8.116	136	141784	20.000	ng	#-0.01
39) Acenaphthene-d10	9.863	164	78114	20.000	ng	-0.02
64) Phenanthrene-d10	11.357	188	130198	20.000	ng	-0.01
76) Chrysene-d12	13.998	240	62233	20.000	ng	# 0.00
86) Perylene-d12	15.463	264	67643	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	212037	94.975	ng	0.00
7) Phenol-d6	6.481	99	282228	94.156	ng	0.00
23) Nitrobenzene-d5	7.398	82	195137	67.289	ng	-0.01
42) 2,4,6-Tribromophenol	10.657	330	57515	89.887	ng	-0.01
45) 2-Fluorobiphenyl	9.186	172	313765	60.352	ng	-0.02
79) Terphenyl-d14	12.933	244	215459	57.965	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.398	70	26747	14.774	ng	# 83
25) Isophorone	7.398	82	195136	39.407	ng	# 66
35) Caprolactam	8.534	113	1850	3.176	ng	94
51) 2,6-Dinitrotoluene	9.863	165	10293	9.131	ng	# 19
57) 2,4-Dinitrotoluene	9.863	165	10293	7.157	ng	# 16
67) 4-Bromophenyl-phenylether	10.657	248	4195	2.976	ng	# 1
71) Phenanthrene	11.380	178	20659	3.082	ng	100
75) Fluoranthene	12.569	202	22109	3.533	ng	98
77) Benzidine	12.933	184	3070	2.062	ng	# 47
78) Pyrene	12.798	202	18749	3.200	ng	98
83) Chrysene	13.986	228	8460	2.188	ng	94
88) Benzo(b)fluoranthene	15.045	252	13641	3.253	ng	96
89) Benzo(k)fluoranthene	15.045	252	13641	3.757	ng	96
90) Benzo(a)pyrene	15.404	252	7311	2.073	ng	100

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

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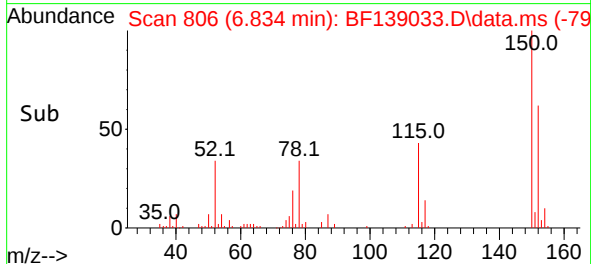
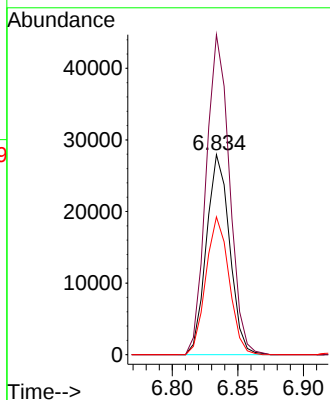
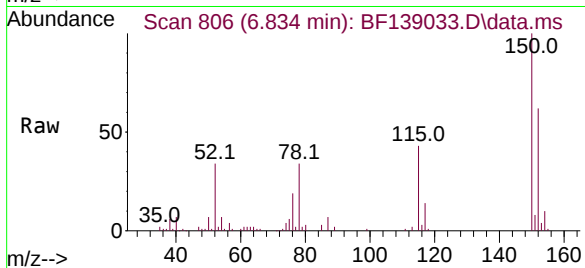




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 808
Delta R.T. -0.011 min
Lab File: BF139033.D
Acq: 15 Aug 2024 20:44

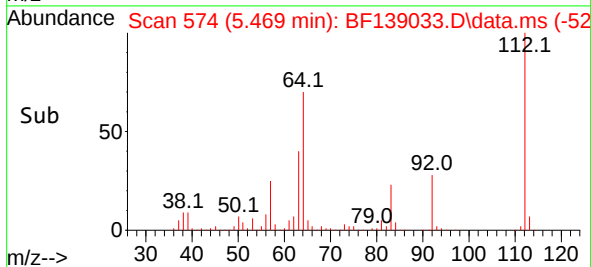
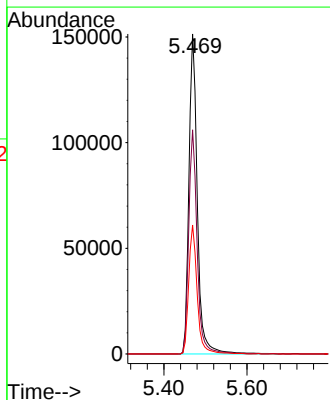
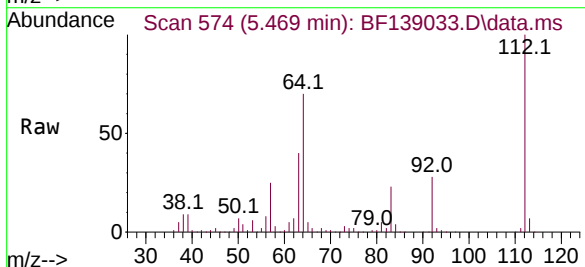
Instrument :
BNA_F
ClientSampleId :
VCPS-B3-081324-0-10

Tgt Ion:152 Resp: 34463
Ion Ratio Lower Upper
152 100
150 160.0 126.0 189.0
115 68.9 51.7 77.5



#5
2-Fluorophenol
Concen: 94.975 ng
RT: 5.469 min Scan# 574
Delta R.T. 0.000 min
Lab File: BF139033.D
Acq: 15 Aug 2024 20:44

Tgt Ion:112 Resp: 212037
Ion Ratio Lower Upper
112 100
64 70.1 54.2 81.4
63 40.3 28.7 43.1

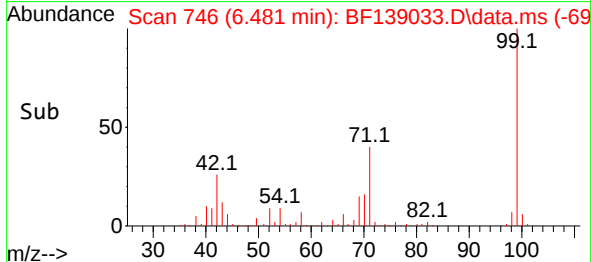
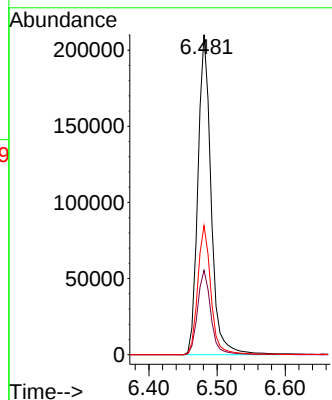
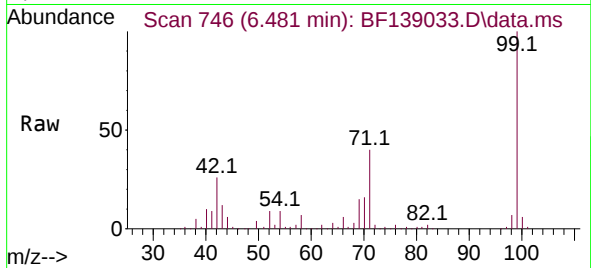




#7
Phenol-d6
Concen: 94.156 ng
RT: 6.481 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF139033.D
Acq: 15 Aug 2024 20:44

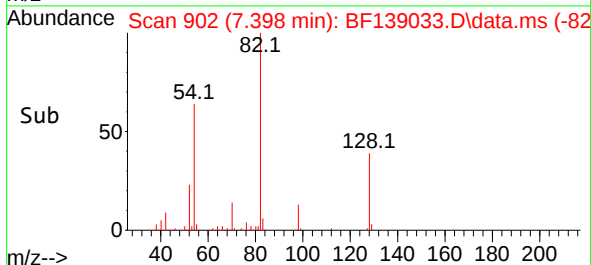
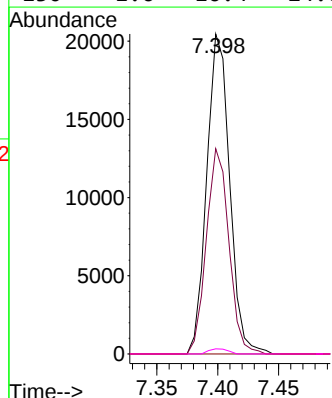
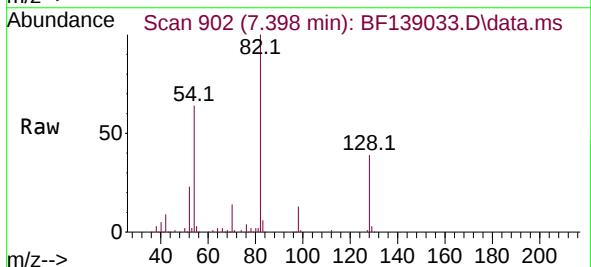
Instrument :
BNA_F
ClientSampleId :
VCPS-B3-081324-0-10

Tgt Ion: 99 Resp: 282228
Ion Ratio Lower Upper
99 100
42 26.4 17.4 26.0#
71 40.3 28.1 42.1



#19
n-Nitroso-di-n-propylamine
Concen: 14.774 ng
RT: 7.398 min Scan# 902
Delta R.T. 0.141 min
Lab File: BF139033.D
Acq: 15 Aug 2024 20:44

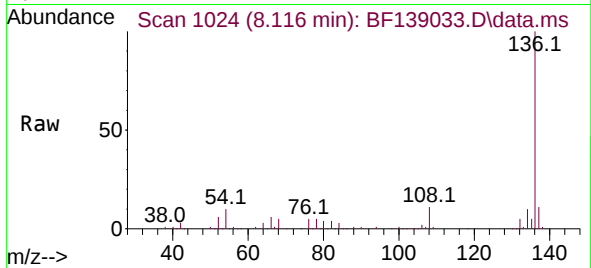
Tgt Ion: 70 Resp: 26747
Ion Ratio Lower Upper
70 100
42 64.2 57.4 86.0
101 0.0 7.5 11.3#
130 1.6 16.4 24.6#



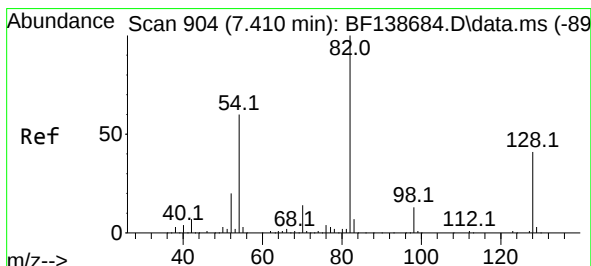
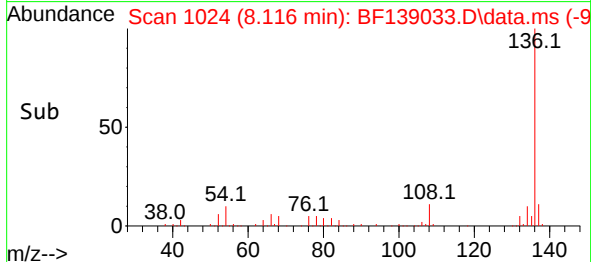
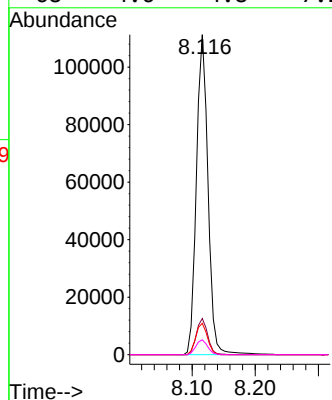


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1024
Delta R.T. -0.012 min
Lab File: BF139033.D
Acq: 15 Aug 2024 20:44

Instrument :
BNA_F
ClientSampleId :
VCPS-B3-081324-0-10

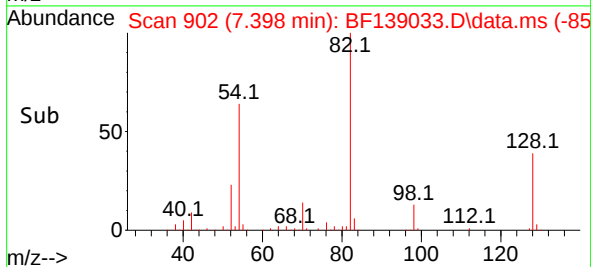
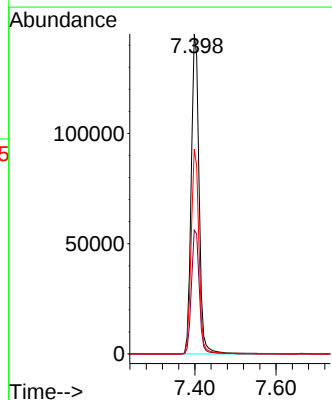
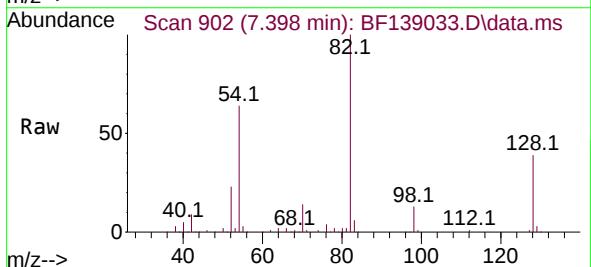


Tgt Ion:136 Resp: 141784
Ion Ratio Lower Upper
136 100
137 11.3 8.9 13.3
54 9.8 8.6 12.8
68 4.6 4.8 7.2#



#23
Nitrobenzene-d5
Concen: 67.289 ng
RT: 7.398 min Scan# 902
Delta R.T. -0.012 min
Lab File: BF139033.D
Acq: 15 Aug 2024 20:44

Tgt Ion: 82 Resp: 195137
Ion Ratio Lower Upper
82 100
128 38.7 32.8 49.2
54 64.0 48.3 72.5

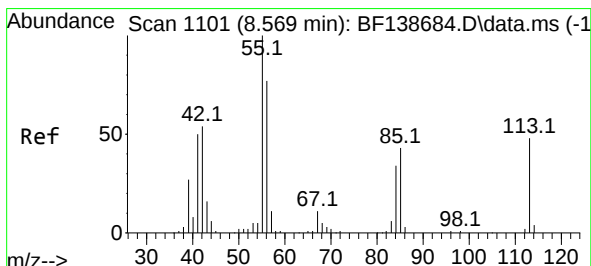
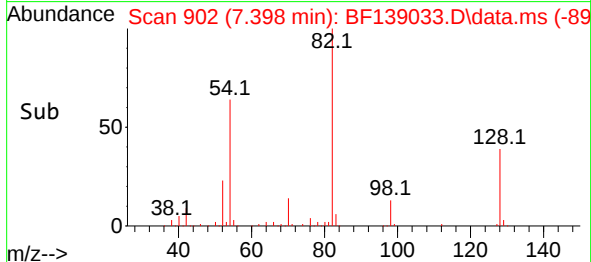
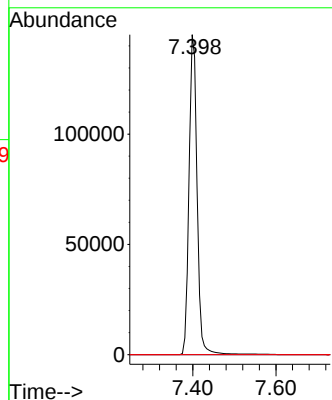
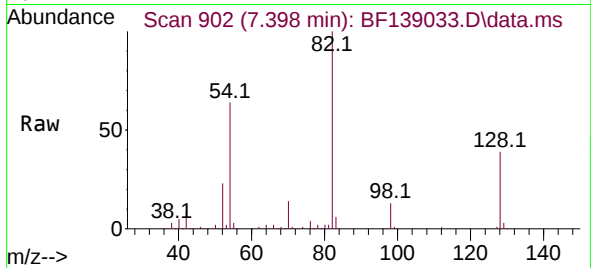




#25
Isophorone
Concen: 39.407 ng
RT: 7.398 min Scan# 90
Delta R.T. -0.271 min
Lab File: BF139033.D
Acq: 15 Aug 2024 20:44

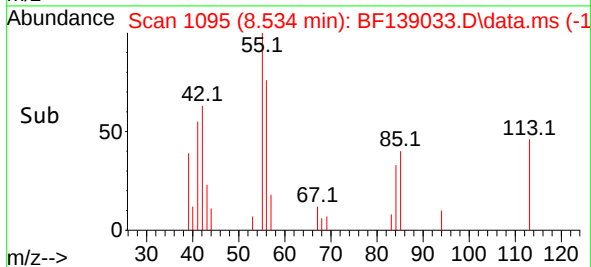
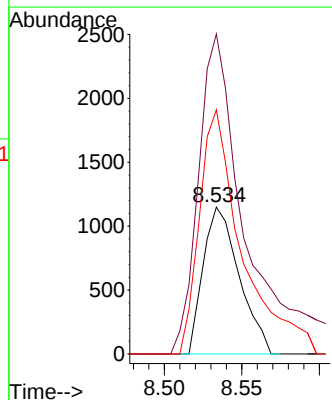
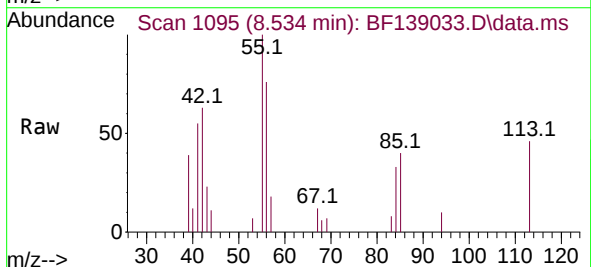
Instrument :
BNA_F
ClientSampleId :
VCPS-B3-081324-0-10

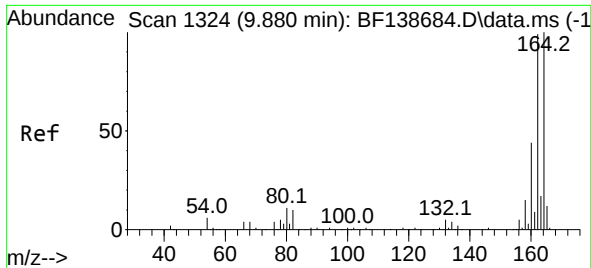
Tgt Ion: 82 Resp: 195136
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 13.7 20.5#



#35
Caprolactam
Concen: 3.176 ng
RT: 8.534 min Scan# 1095
Delta R.T. -0.035 min
Lab File: BF139033.D
Acq: 15 Aug 2024 20:44

Tgt Ion: 113 Resp: 1850
Ion Ratio Lower Upper
113 100
55 217.7 186.7 226.7
56 166.1 138.9 178.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.863 min Scan# 1

Delta R.T. -0.017 min

Lab File: BF139033.D

Acq: 15 Aug 2024 20:44

Instrument :

BNA_F

ClientSampleId :

VCPS-B3-081324-0-10

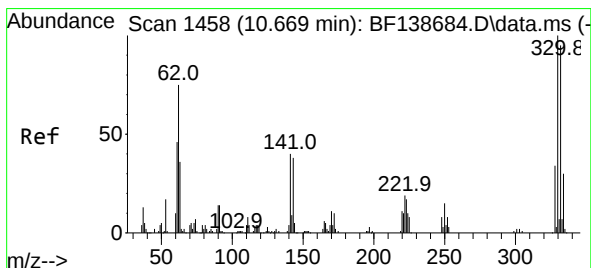
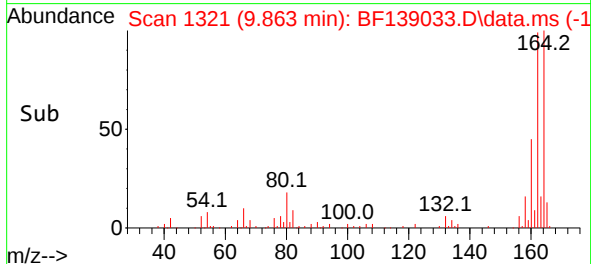
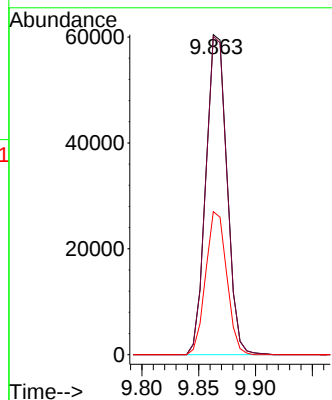
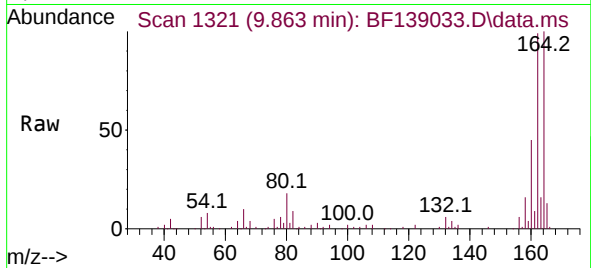
Tgt Ion:164 Resp: 78114

Ion Ratio Lower Upper

164 100

162 99.5 79.4 119.0

160 44.7 35.1 52.7



#42

2,4,6-Tribromophenol

Concen: 89.887 ng

RT: 10.657 min Scan# 1456

Delta R.T. -0.012 min

Lab File: BF139033.D

Acq: 15 Aug 2024 20:44

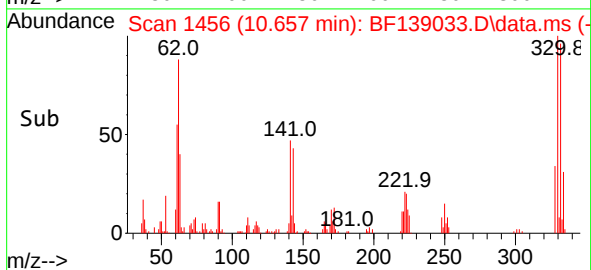
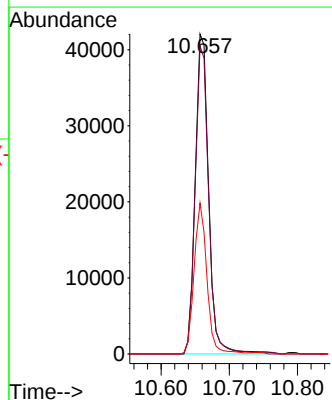
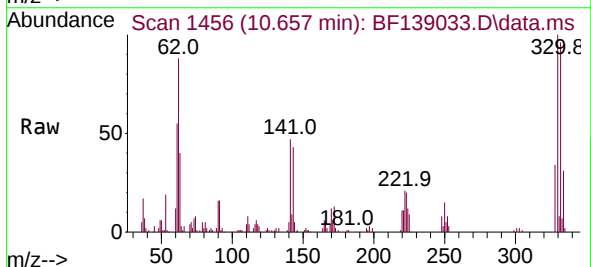
Tgt Ion:330 Resp: 57515

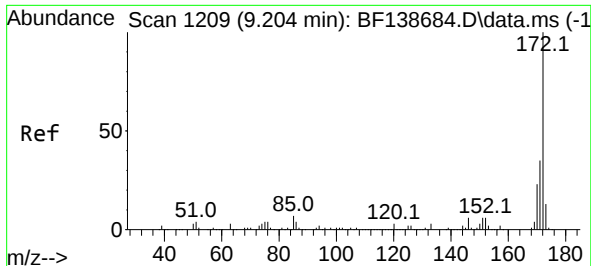
Ion Ratio Lower Upper

330 100

332 96.8 76.4 114.6

141 45.0 31.1 46.7





#45

2-Fluorobiphenyl

Concen: 60.352 ng

RT: 9.186 min Scan# 1321

Delta R.T. -0.018 min

Lab File: BF139033.D

Acq: 15 Aug 2024 20:44

Instrument :

BNA_F

ClientSampleId :

VCPS-B3-081324-0-10

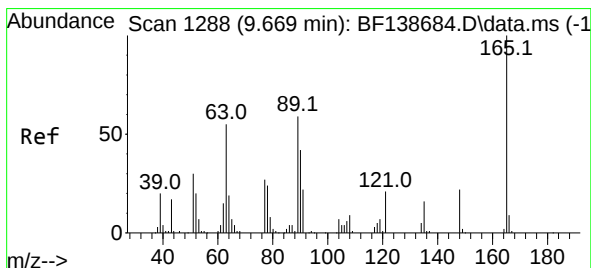
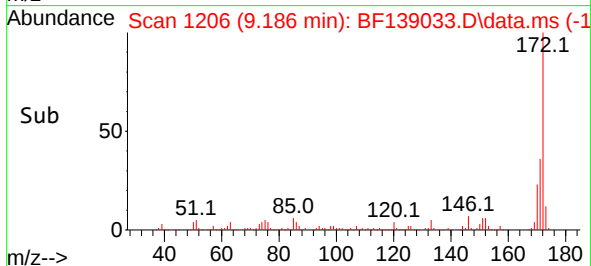
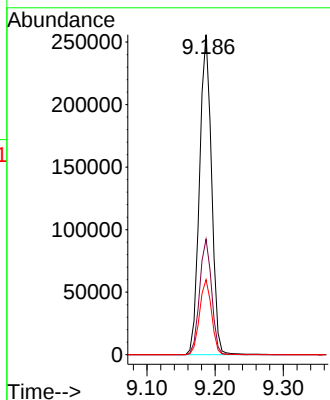
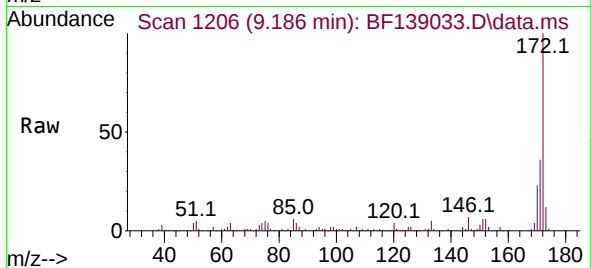
Tgt Ion:172 Resp: 313765

Ion Ratio Lower Upper

172 100

171 36.1 28.3 42.5

170 23.5 18.8 28.2



#51

2,6-Dinitrotoluene

Concen: 9.131 ng

RT: 9.863 min Scan# 1321

Delta R.T. 0.194 min

Lab File: BF139033.D

Acq: 15 Aug 2024 20:44

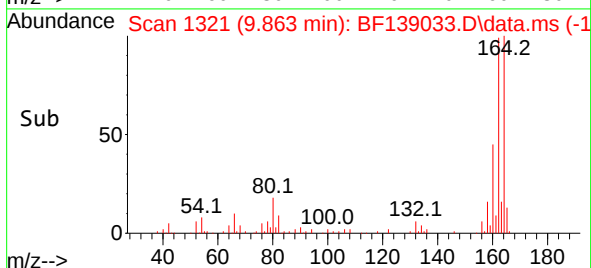
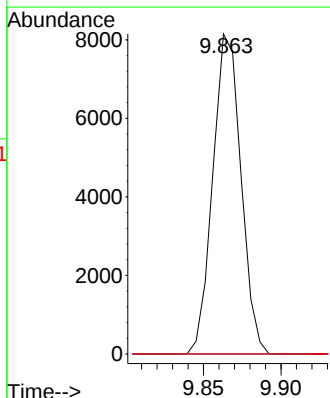
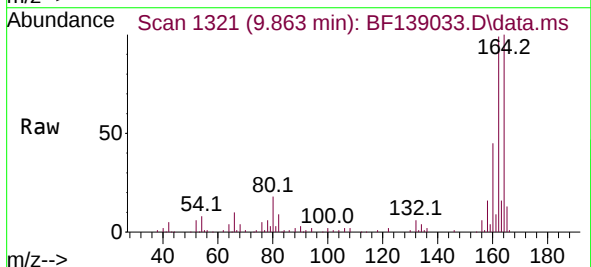
Tgt Ion:165 Resp: 10293

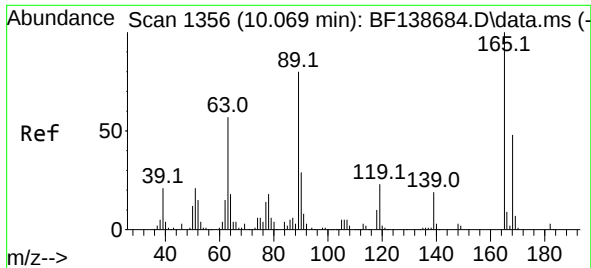
Ion Ratio Lower Upper

165 100

63 0.0 52.0 78.0#

89 0.0 47.0 70.6#

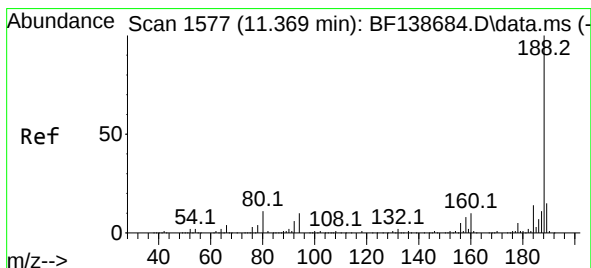
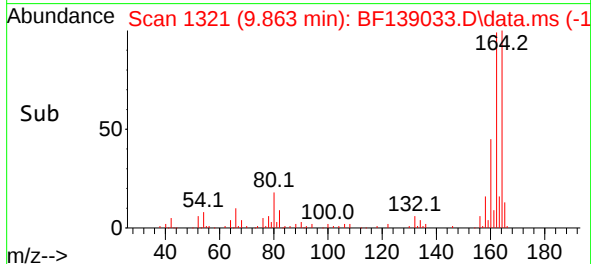
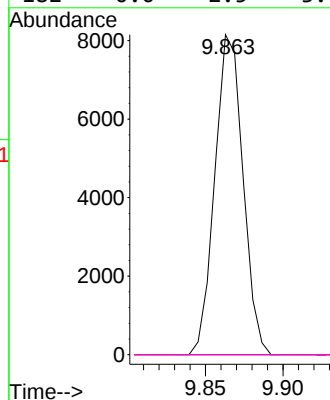
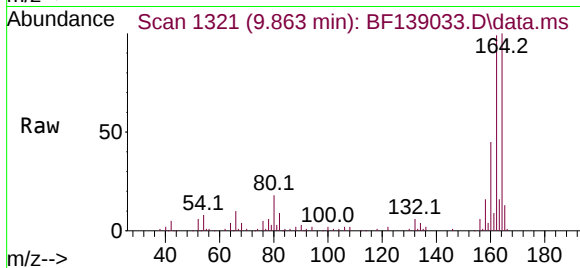




#57
2,4-Dinitrotoluene
Concen: 7.157 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF139033.D
Acq: 15 Aug 2024 20:44

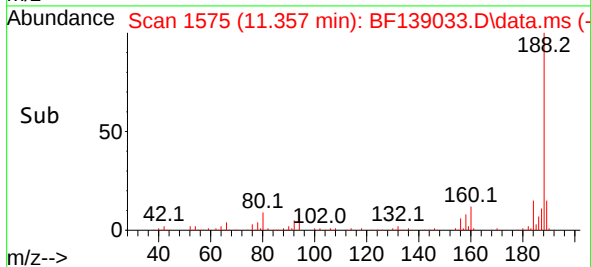
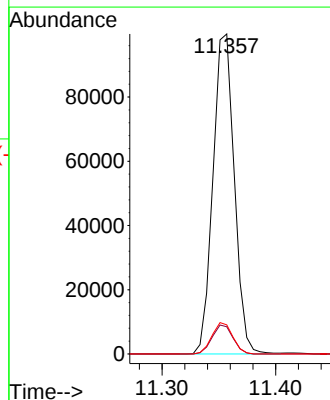
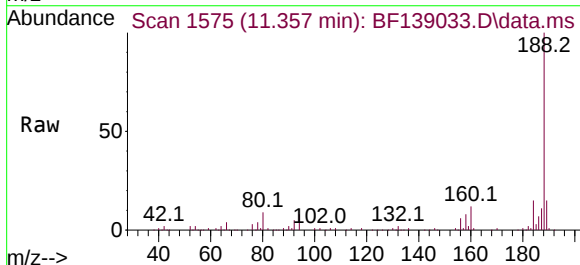
Instrument :
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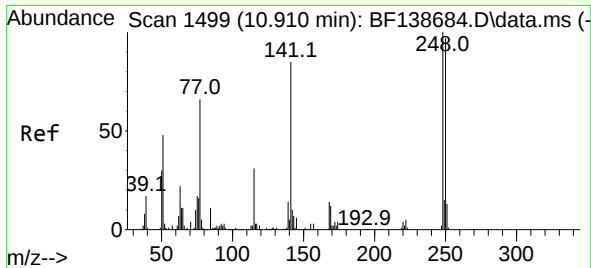
Tgt Ion:165 Resp: 10293
Ion Ratio Lower Upper
165 100
63 0.0 46.3 69.5#
89 0.0 64.2 96.4#
182 0.0 2.5 3.7#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BF139033.D
Acq: 15 Aug 2024 20:44

Tgt Ion:188 Resp: 130198
Ion Ratio Lower Upper
188 100
94 8.5 7.6 11.4
80 9.1 8.6 12.8

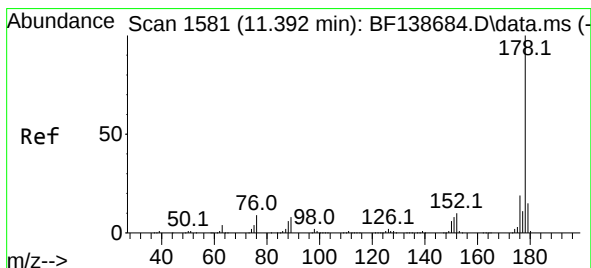
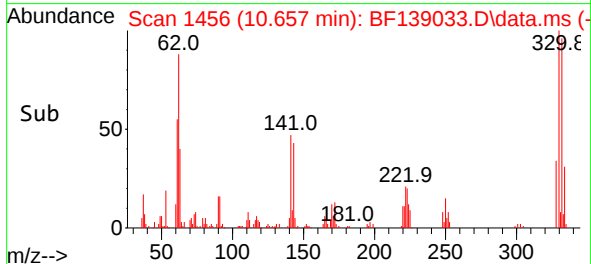
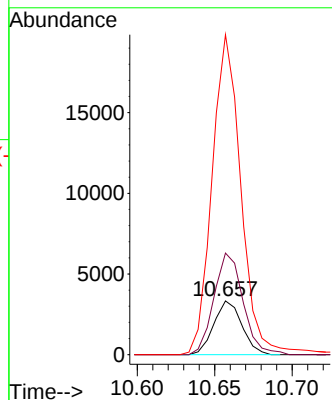
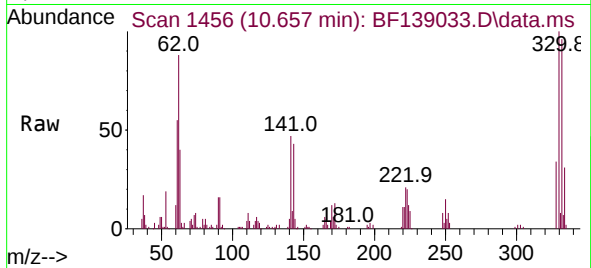




#67
4-Bromophenyl-phenylether
Concen: 2.976 ng
RT: 10.657 min Scan# 1499
Delta R.T. -0.253 min
Lab File: BF139033.D
Acq: 15 Aug 2024 20:44

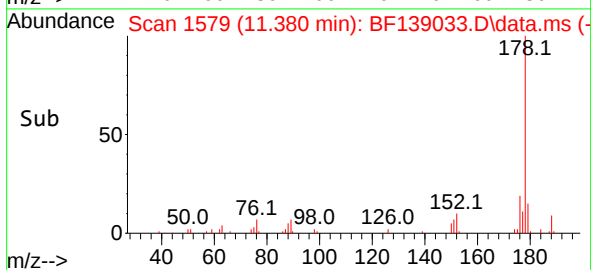
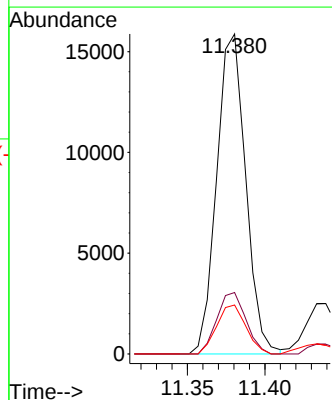
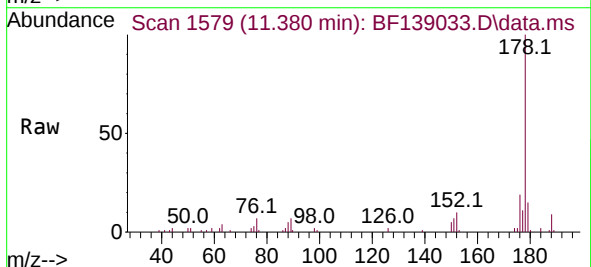
Instrument :
BNA_F
ClientSampleId :
VCPS-B3-081324-0-10

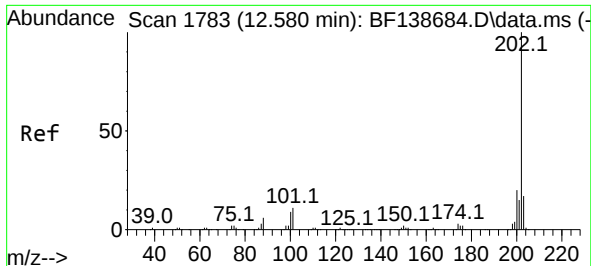
Tgt Ion:248 Resp: 4195
Ion Ratio Lower Upper
248 100
250 189.0 77.7 116.5#
141 595.6 68.0 102.0#



#71
Phenanthrene
Concen: 3.082 ng
RT: 11.380 min Scan# 1579
Delta R.T. -0.012 min
Lab File: BF139033.D
Acq: 15 Aug 2024 20:44

Tgt Ion:178 Resp: 20659
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.3 12.2 18.2

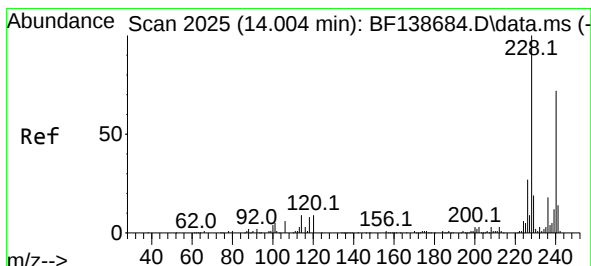
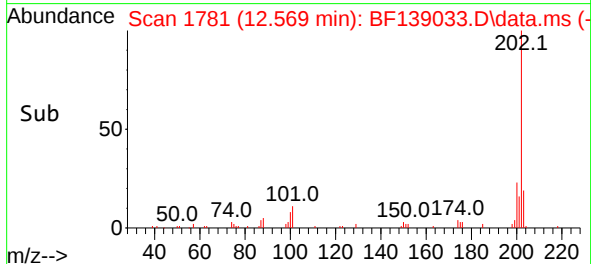
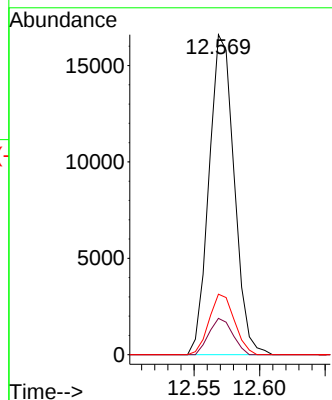
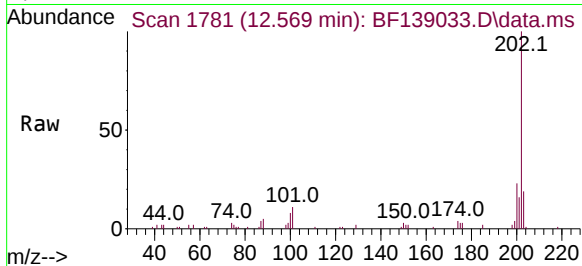




#75
Fluoranthene
Concen: 3.533 ng
RT: 12.569 min Scan# 1783
Delta R.T. -0.012 min
Lab File: BF139033.D
Acq: 15 Aug 2024 20:44

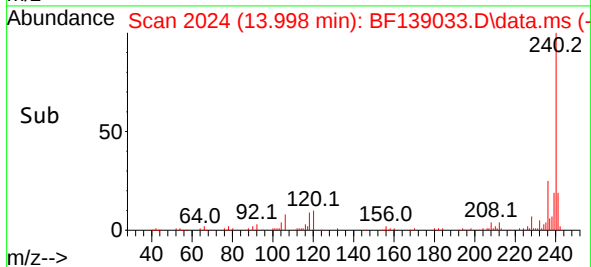
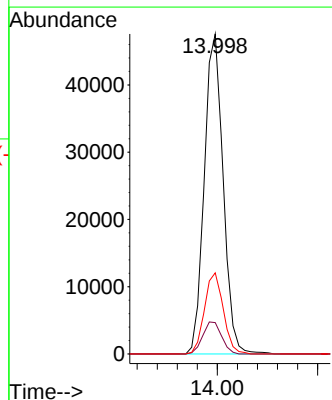
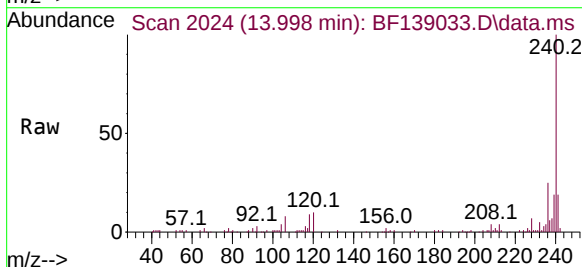
Instrument :
BNA_F
ClientSampleId :
VCPS-B3-081324-0-10

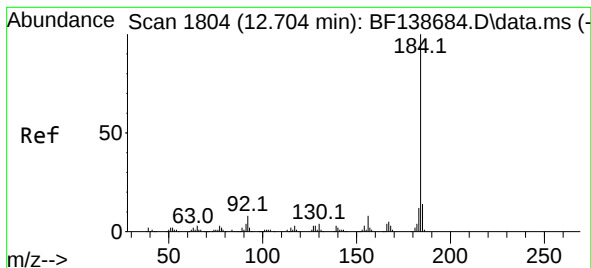
Tgt Ion:	202	Resp:	22109
Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	31.2
203	18.9	0.0	37.3



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF139033.D
Acq: 15 Aug 2024 20:44

Tgt Ion:	240	Resp:	62233
Ion	Ratio	Lower	Upper
240	100		
120	9.8	10.2	15.4#
236	25.3	19.8	29.8





#77

Benzidine

Concen: 2.062 ng

RT: 12.933 min Scan# 1843

Delta R.T. 0.229 min

Lab File: BF139033.D

Acq: 15 Aug 2024 20:44

Instrument :

BNA_F

ClientSampleId :

VCPS-B3-081324-0-10

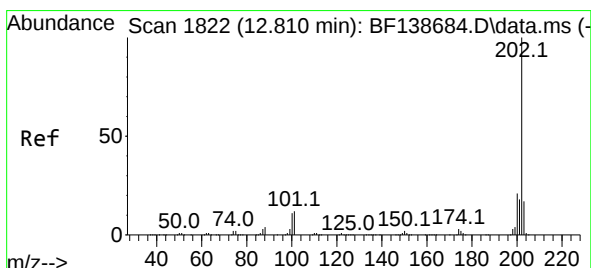
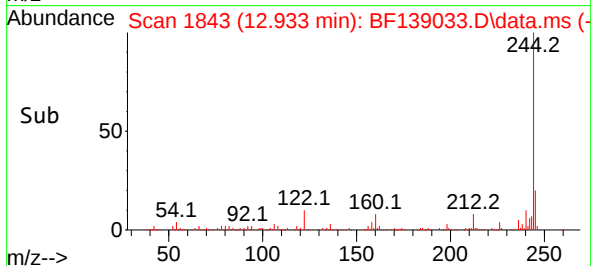
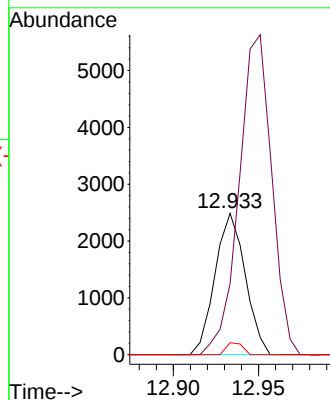
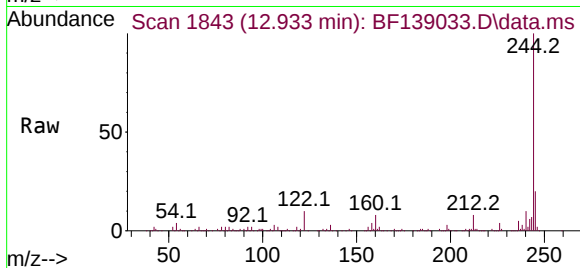
Tgt Ion:184 Resp: 3070

Ion Ratio Lower Upper

184 100

185 50.4 11.1 16.7#

183 8.5 9.6 14.4#



#78

Pyrene

Concen: 3.200 ng

RT: 12.798 min Scan# 1820

Delta R.T. -0.012 min

Lab File: BF139033.D

Acq: 15 Aug 2024 20:44

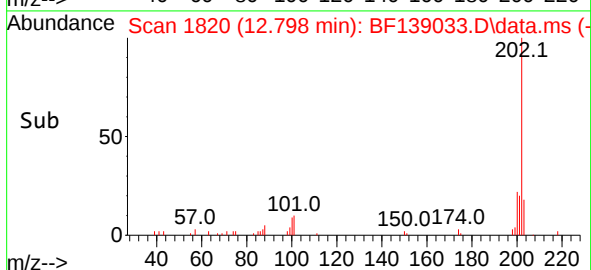
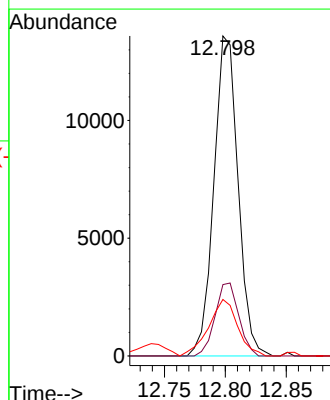
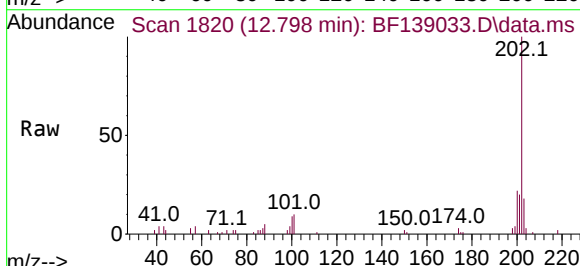
Tgt Ion:202 Resp: 18749

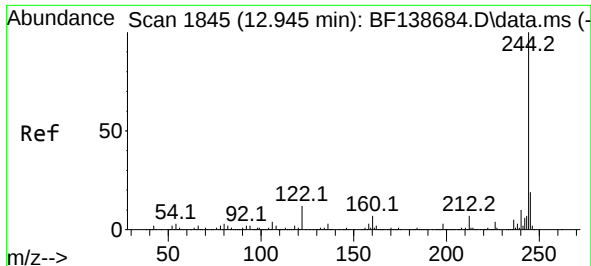
Ion Ratio Lower Upper

202 100

200 22.3 16.8 25.2

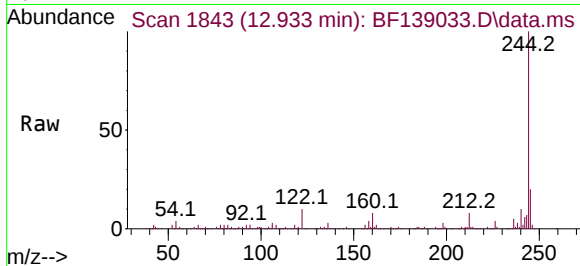
203 17.7 13.8 20.6



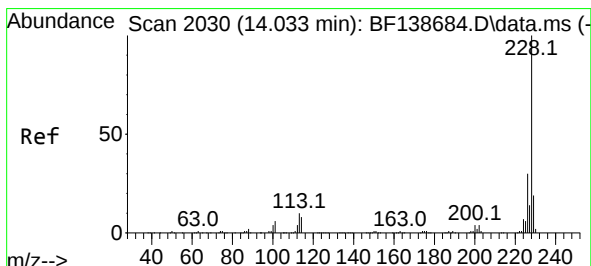
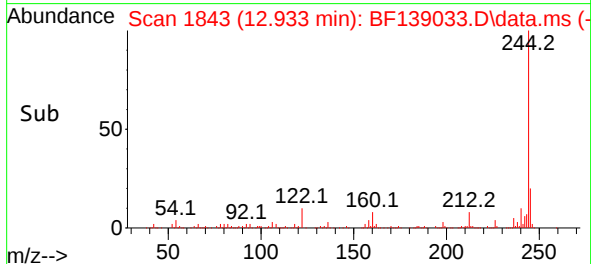
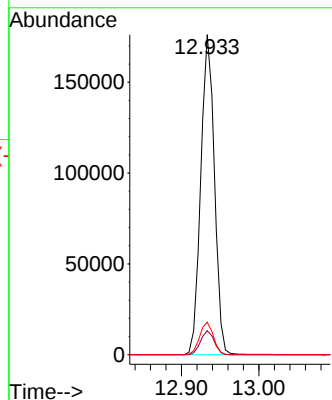


#79
 Terphenyl-d14
 Concen: 57.965 ng
 RT: 12.933 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF139033.D
 Acq: 15 Aug 2024 20:44

Instrument :
 BNA_F
 ClientSampleId :
 VCPS-B3-081324-0-10

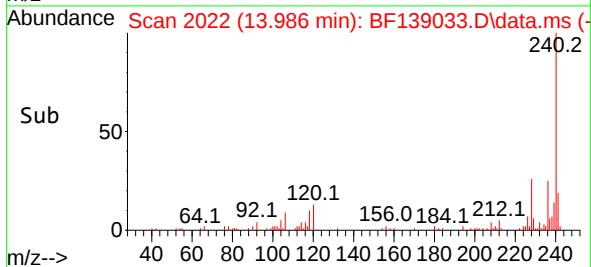
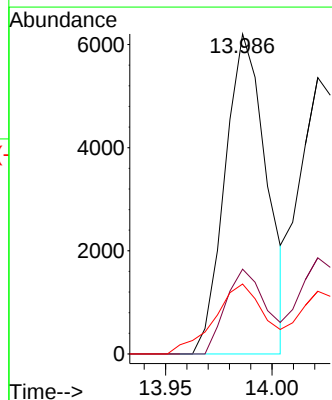
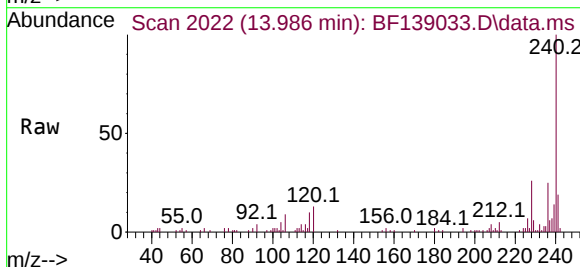


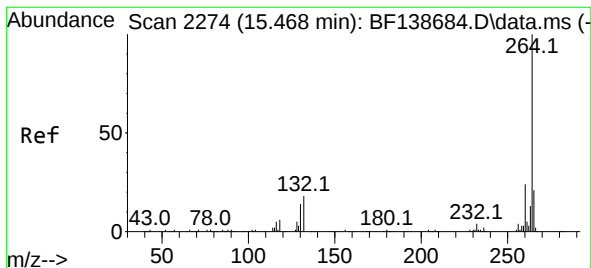
Tgt Ion:244 Resp: 215459
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.4 8.2
 122 10.2 9.6 14.4



#83
 Chrysene
 Concen: 2.188 ng
 RT: 13.986 min Scan# 2022
 Delta R.T. -0.047 min
 Lab File: BF139033.D
 Acq: 15 Aug 2024 20:44

Tgt Ion:228 Resp: 8460
 Ion Ratio Lower Upper
 228 100
 226 26.5 23.7 35.5
 229 21.9 15.0 22.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.463 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF139033.D

Acq: 15 Aug 2024 20:44

Instrument :

BNA_F

ClientSampleId :

VCPS-B3-081324-0-10

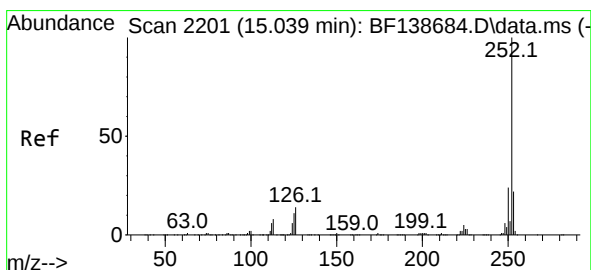
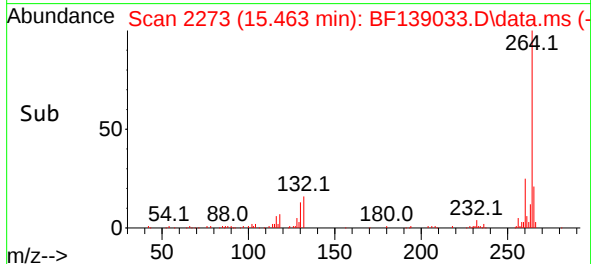
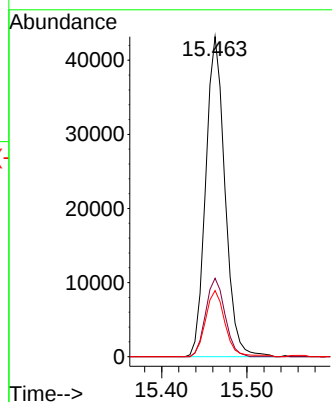
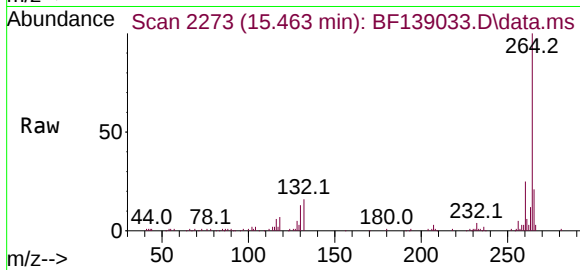
Tgt Ion:264 Resp: 67643

Ion Ratio Lower Upper

264 100

260 24.5 19.0 28.6

265 20.6 17.0 25.6



#88

Benzo(b)fluoranthene

Concen: 3.253 ng

RT: 15.045 min Scan# 2202

Delta R.T. 0.006 min

Lab File: BF139033.D

Acq: 15 Aug 2024 20:44

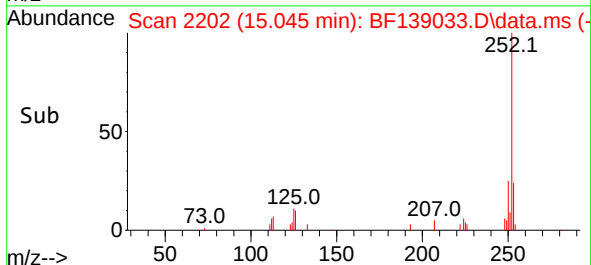
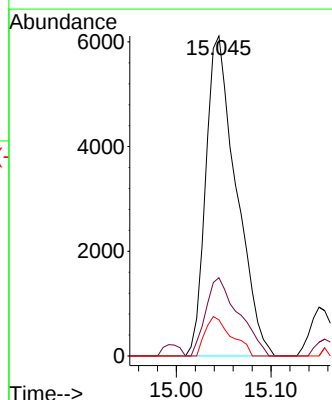
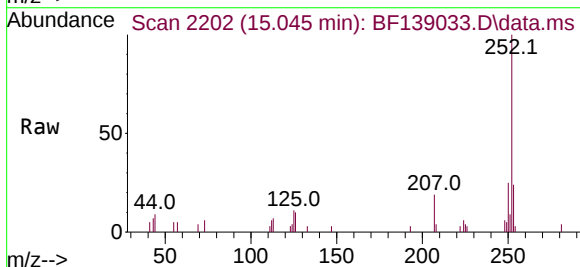
Tgt Ion:252 Resp: 13641

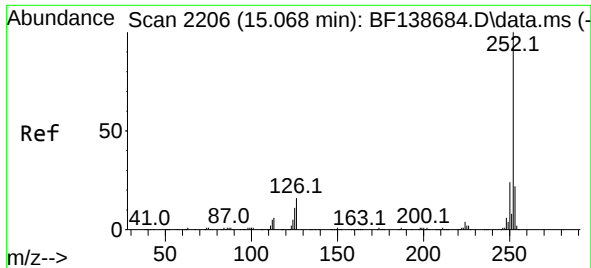
Ion Ratio Lower Upper

252 100

253 24.5 17.5 26.3

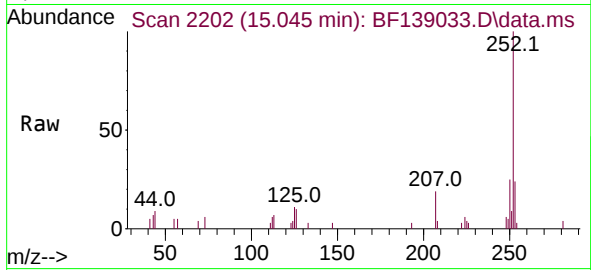
125 11.3 8.9 13.3



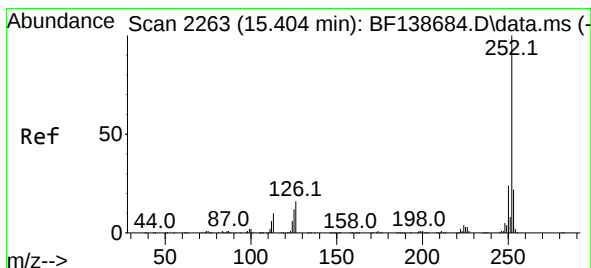
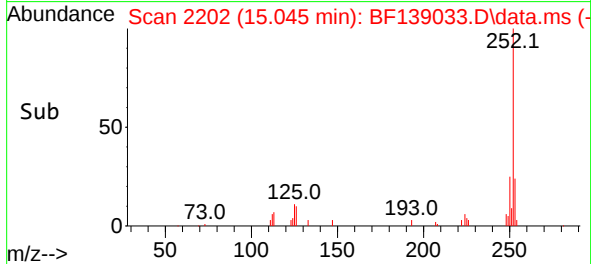
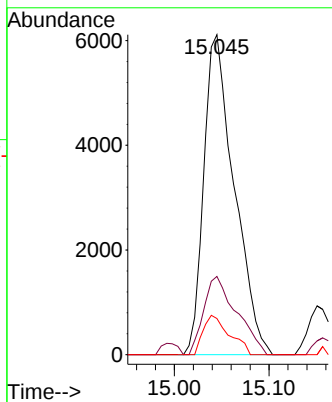


#89
Benzo(k)fluoranthene
Concen: 3.757 ng
RT: 15.045 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF139033.D
Acq: 15 Aug 2024 20:44

Instrument :
BNA_F
ClientSampleId :
VCPS-B3-081324-0-10



Tgt Ion:252 Resp: 13641
Ion Ratio Lower Upper
252 100
253 24.5 17.4 26.0
125 11.3 8.6 13.0



#90
Benzo(a)pyrene
Concen: 2.073 ng
RT: 15.404 min Scan# 2263
Delta R.T. 0.000 min
Lab File: BF139033.D
Acq: 15 Aug 2024 20:44

Tgt Ion:252 Resp: 7311
Ion Ratio Lower Upper
252 100
253 21.3 17.3 25.9
125 12.0 9.5 14.3

