

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110223\
 Data File : BF136099.D
 Acq On : 02 Nov 2023 16:59
 Operator : CG\JU
 Sample : 05005-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 N-2(5-10)

Quant Time: Nov 02 17:25:35 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 31 01:13:02 2023
 Response via : Initial Calibration

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

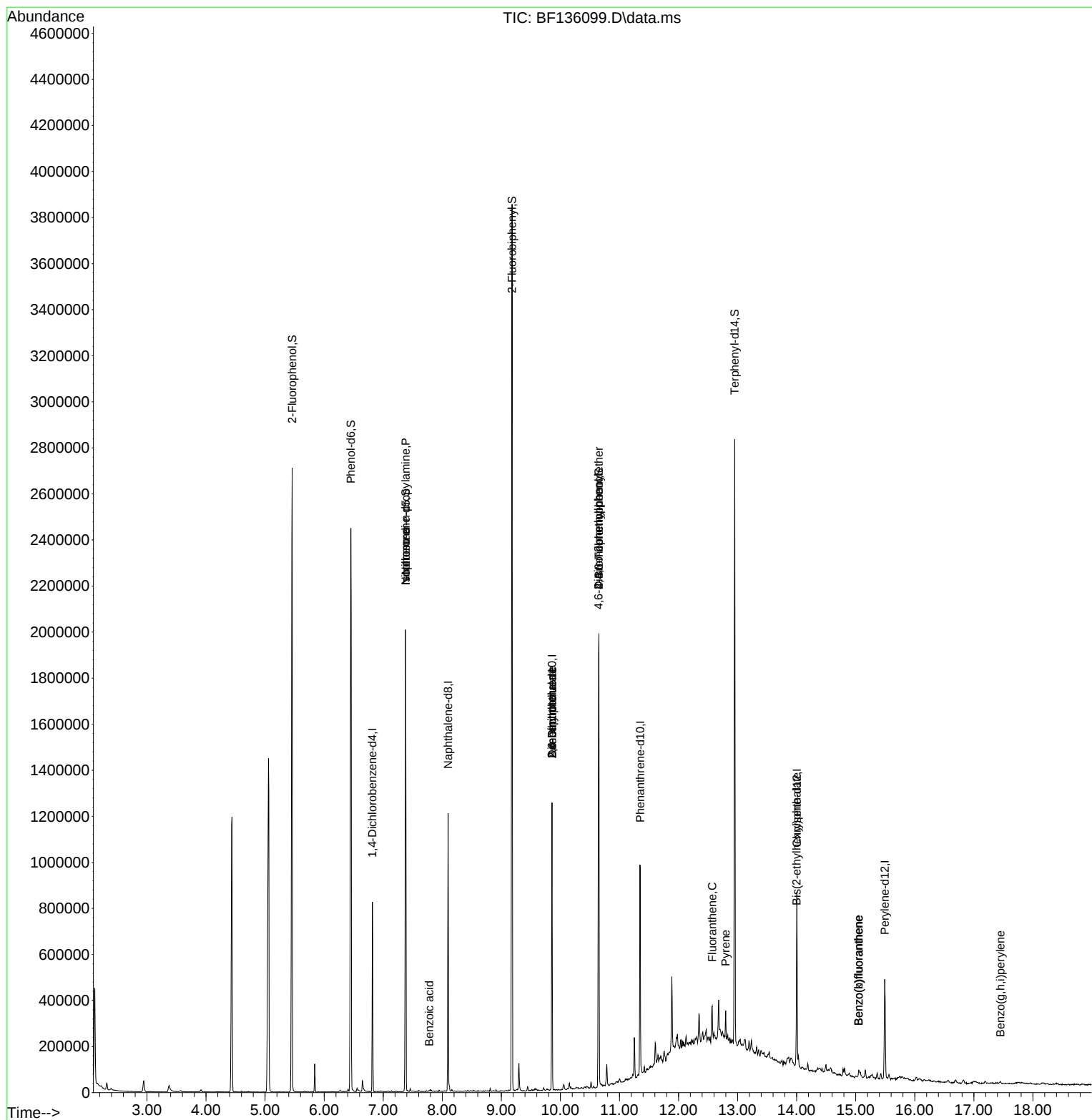
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	111707	20.000	ng	-0.01
21) Naphthalene-d8	8.098	136	448011	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	219748	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	348526	20.000	ng	0.00
76) Chrysene-d12	14.004	240	216154	20.000	ng	-0.01
86) Perylene-d12	15.492	264	194257	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.457	112	801174	112.703	ng	0.00
7) Phenol-d6	6.451	99	994135	112.242	ng	0.00
23) Nitrobenzene-d5	7.381	82	609222	81.974	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	254528	108.516	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	1085807	78.767	ng	0.00
79) Terphenyl-d14	12.951	244	882331	63.435	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.381	70	81320	16.069	ng	# 77
25) Isophorone	7.381	82	609215	43.421	ng	# 64
32) Benzoic acid	7.781	122	196	5.148	ng	# 40
50) Dimethylphthalate	9.857	163	45186	3.117	ng	# 1
51) 2,6-Dinitrotoluene	9.857	165	28279	9.122	ng	# 28
57) 2,4-Dinitrotoluene	9.857	165	28279	7.210	ng	# 25
65) 4,6-Dinitro-2-methylph...	10.645	198	548	6.042	ng	# 1
67) 4-Bromophenyl-phenylether	10.651	248	16092	4.404	ng	# 1
75) Fluoranthene	12.569	202	39051	2.166	ng	98
78) Pyrene	12.798	202	52099	2.734	ng	97
84) Bis(2-ethylhexyl)phtha...	13.998	149	25436	3.201	ng	98
88) Benzo(b)fluoranthene	15.051	252	23725	2.064	ng	# 96
89) Benzo(k)fluoranthene	15.051	252	23725	2.086	ng	# 96
92) Benzo(g,h,i)perylene	17.451	276	7453	3.486	ng	# 94

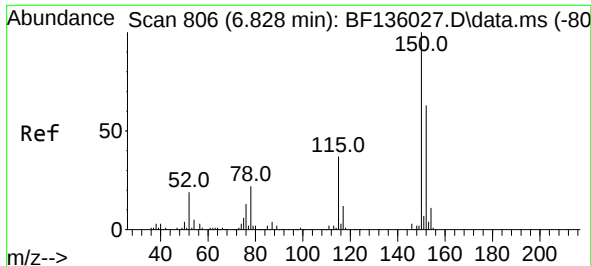
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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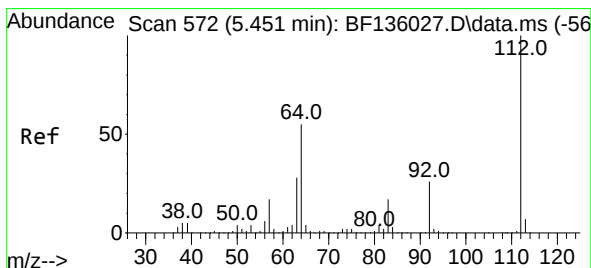
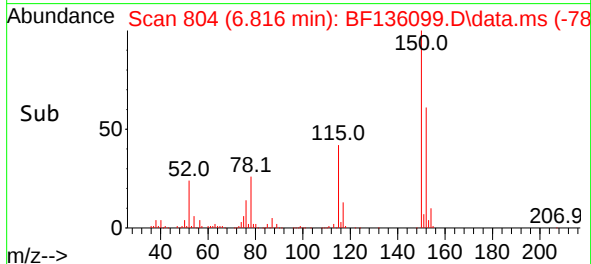
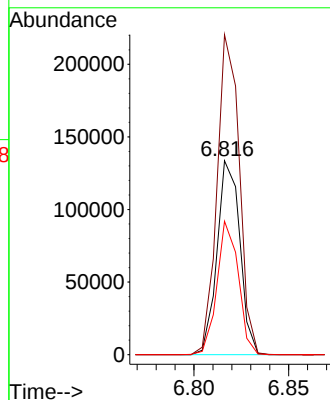
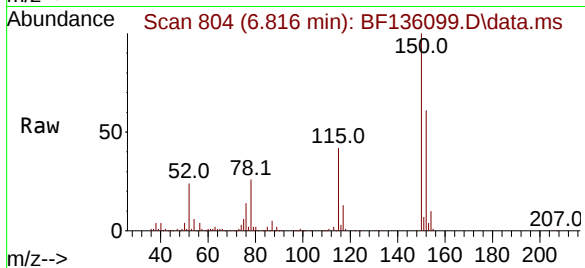




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 806
Delta R.T. -0.012 min
Lab File: BF136099.D
Acq: 02 Nov 2023 16:59

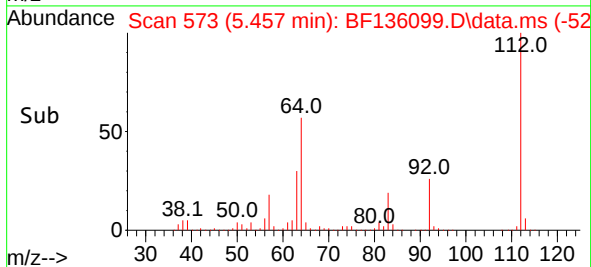
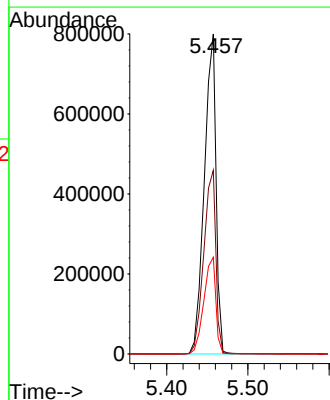
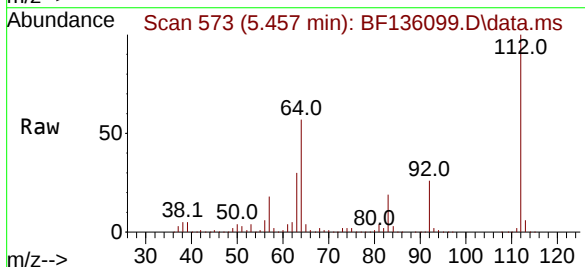
Instrument :
BNA_F
ClientSampleId :
N-2(5-10)

Tgt Ion:152 Resp: 111707
Ion Ratio Lower Upper
152 100
150 164.9 126.4 189.6
115 68.8 47.0 70.4



#5
2-Fluorophenol
Concen: 112.703 ng
RT: 5.457 min Scan# 573
Delta R.T. 0.006 min
Lab File: BF136099.D
Acq: 02 Nov 2023 16:59

Tgt Ion:112 Resp: 801174
Ion Ratio Lower Upper
112 100
64 57.4 43.9 65.9
63 30.2 22.4 33.6

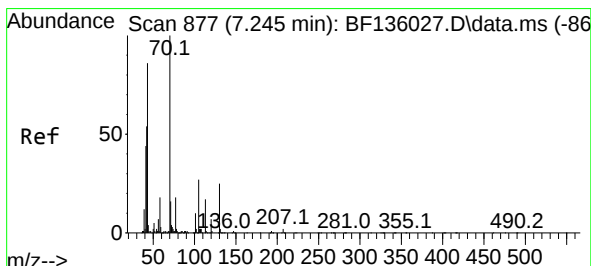
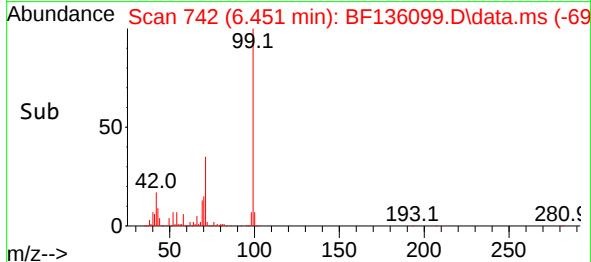
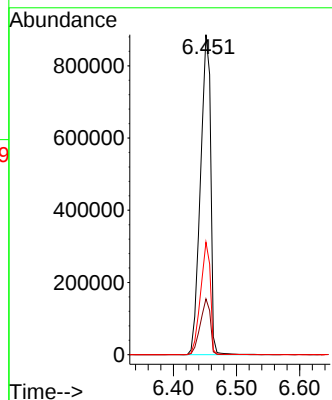
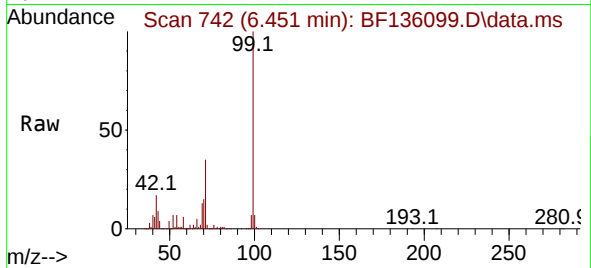




#7
Phenol-d6
Concen: 112.242 ng
RT: 6.451 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF136099.D
Acq: 02 Nov 2023 16:59

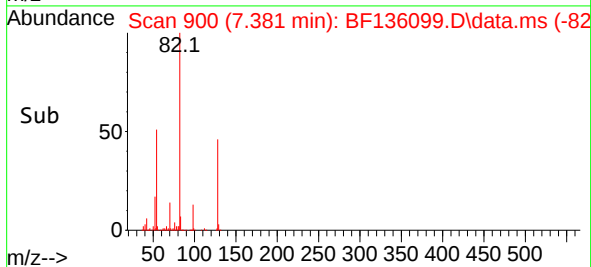
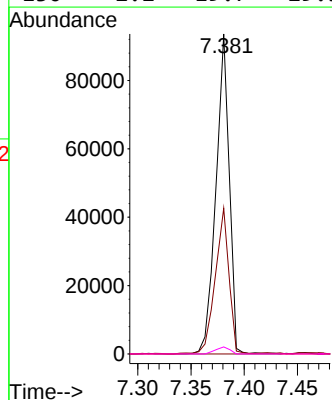
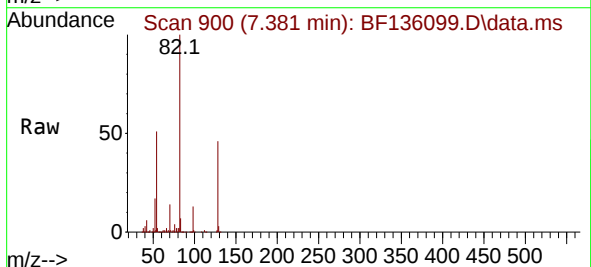
Instrument :
BNA_F
ClientSampleId :
N-2(5-10)

Tgt Ion: 99 Resp: 994135
Ion Ratio Lower Upper
99 100
42 17.4 13.7 20.5
71 35.2 25.9 38.9



#19
n-Nitroso-di-n-propylamine
Concen: 16.069 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.136 min
Lab File: BF136099.D
Acq: 02 Nov 2023 16:59

Tgt Ion: 70 Resp: 81320
Ion Ratio Lower Upper
70 100
42 45.5 43.0 64.4
101 0.0 8.0 12.0#
130 2.2 19.7 29.5#



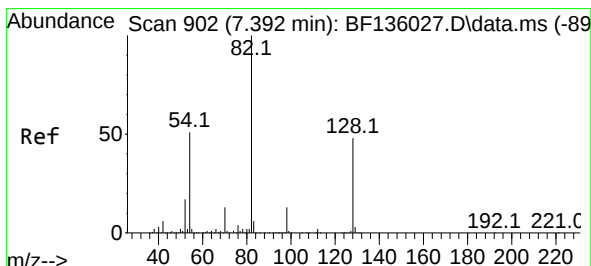
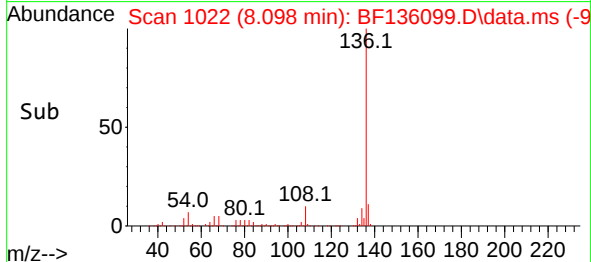
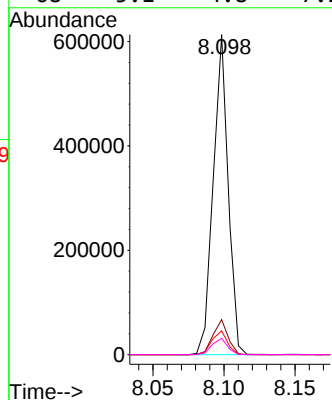
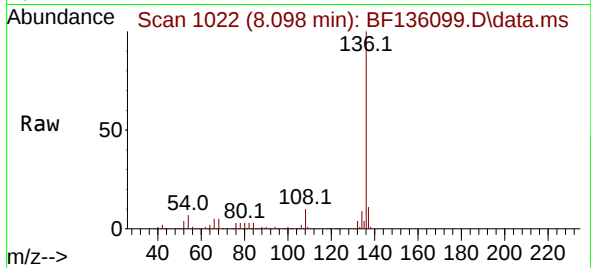


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF136099.D
Acq: 02 Nov 2023 16:59

Instrument :
BNA_F
ClientSampleId :
N-2(5-10)

Tgt Ion:136 Resp: 448011

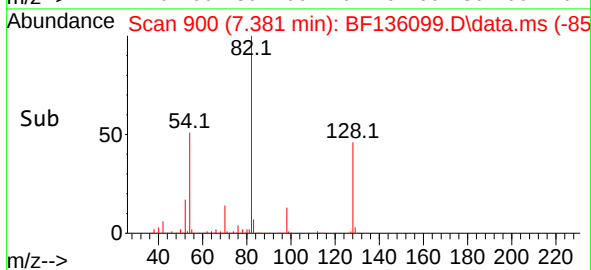
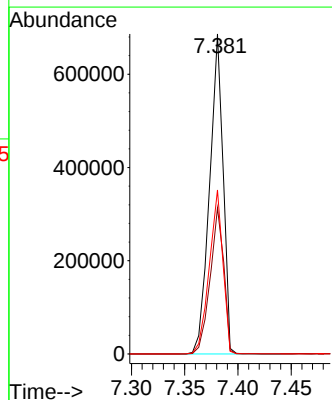
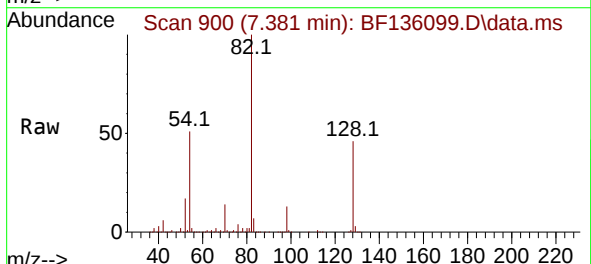
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	7.4	6.6	9.8
68	5.1	4.8	7.2

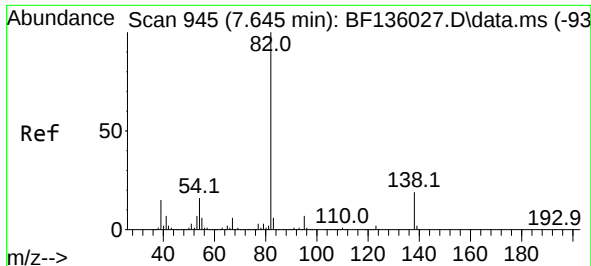


#23
Nitrobenzene-d5
Concen: 81.974 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.012 min
Lab File: BF136099.D
Acq: 02 Nov 2023 16:59

Tgt Ion: 82 Resp: 609222

Ion	Ratio	Lower	Upper
82	100		
128	45.7	38.6	57.8
54	51.2	40.8	61.2

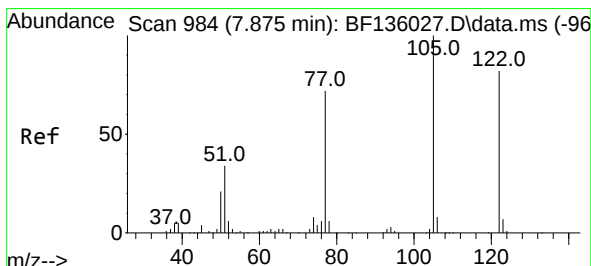
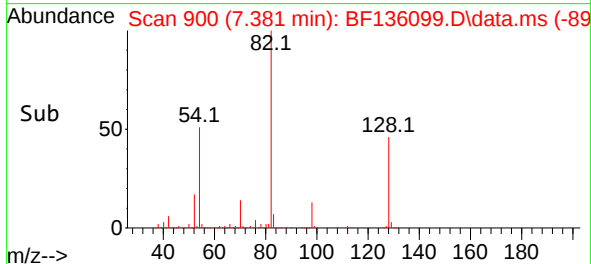
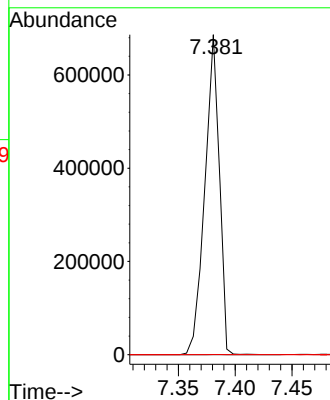
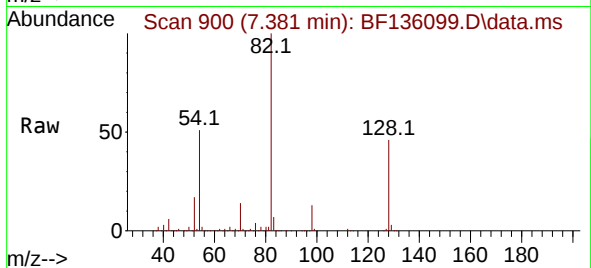




#25
Isophorone
Concen: 43.421 ng
RT: 7.381 min Scan# 90
Delta R.T. -0.264 min
Lab File: BF136099.D
Acq: 02 Nov 2023 16:59

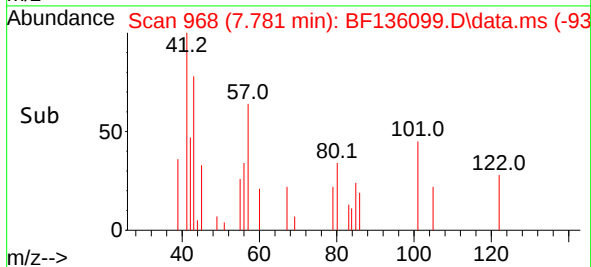
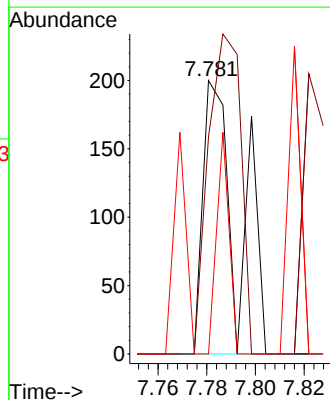
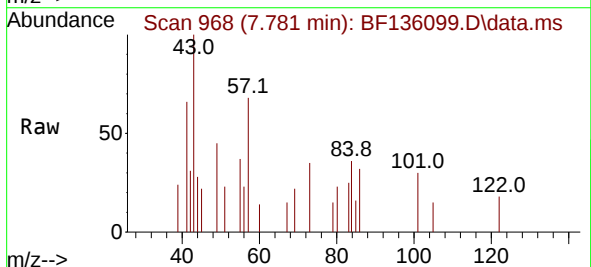
Instrument :
BNA_F
ClientSampleId :
N-2(5-10)

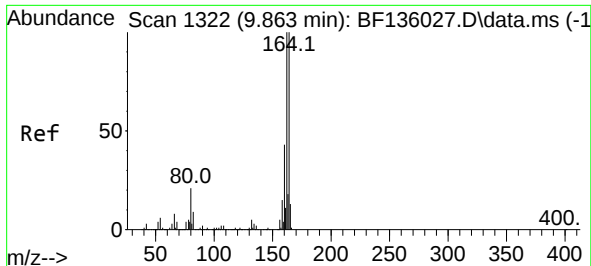
Tgt Ion: 82 Resp: 609215
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 15.3 22.9#



#32
Benzoic acid
Concen: 5.148 ng
RT: 7.781 min Scan# 968
Delta R.T. -0.094 min
Lab File: BF136099.D
Acq: 02 Nov 2023 16:59

Tgt Ion: 122 Resp: 196
Ion Ratio Lower Upper
122 100
105 79.5 99.5 139.5#
77 0.0 66.8 106.8#

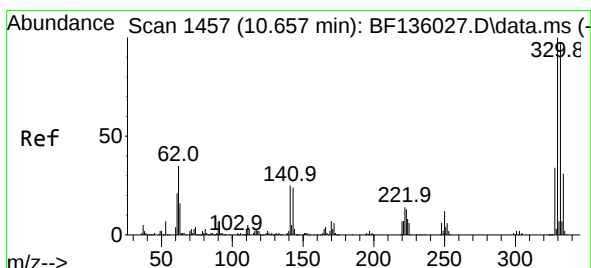
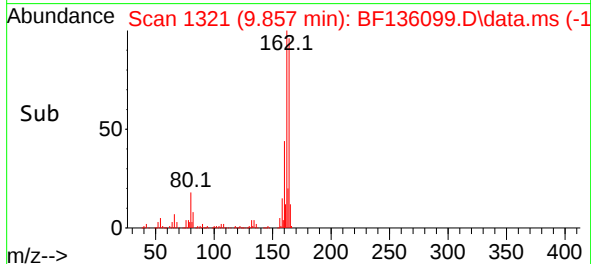
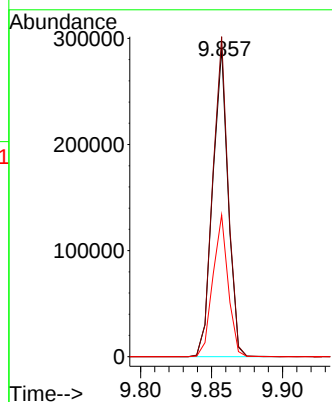
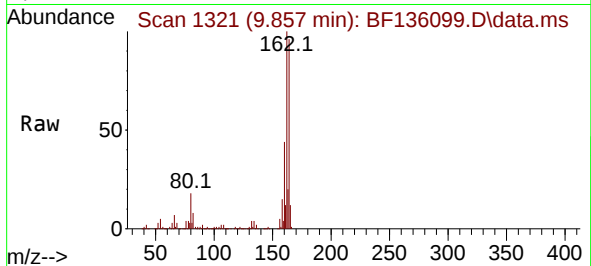




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF136099.D
Acq: 02 Nov 2023 16:59

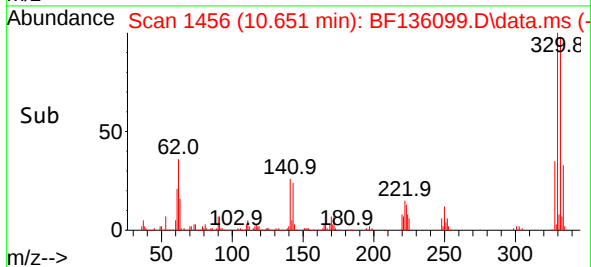
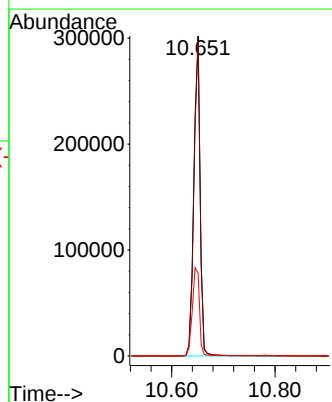
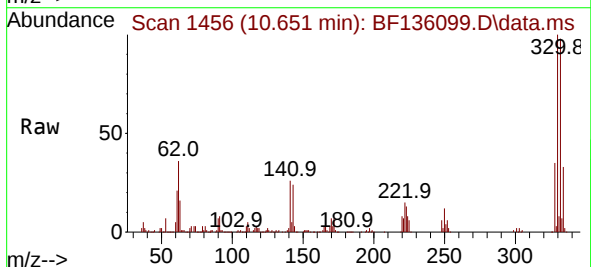
Instrument :
BNA_F
ClientSampleId :
N-2(5-10)

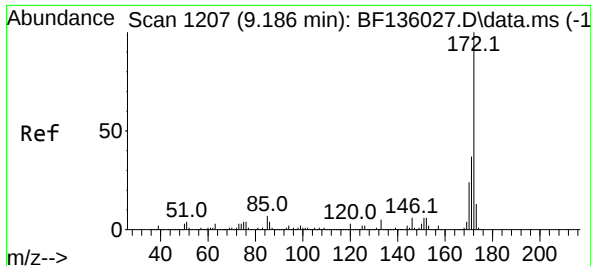
Tgt Ion:164 Resp: 219748
Ion Ratio Lower Upper
164 100
162 103.7 80.1 120.1
160 45.9 34.8 52.2



#42
2,4,6-Tribromophenol
Concen: 108.516 ng
RT: 10.651 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF136099.D
Acq: 02 Nov 2023 16:59

Tgt Ion:330 Resp: 254528
Ion Ratio Lower Upper
330 100
332 96.9 76.9 115.3
141 31.4 23.2 34.8





#45

2-Fluorobiphenyl

Concen: 78.767 ng

RT: 9.181 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF136099.D

Acq: 02 Nov 2023 16:59

Instrument :

BNA_F

ClientSampleId :

N-2(5-10)

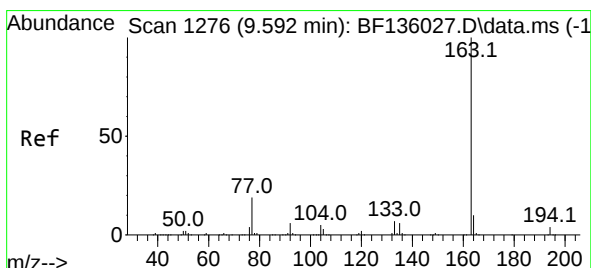
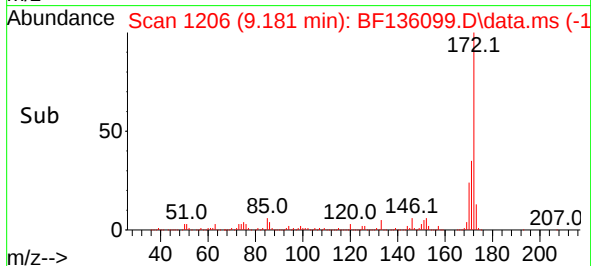
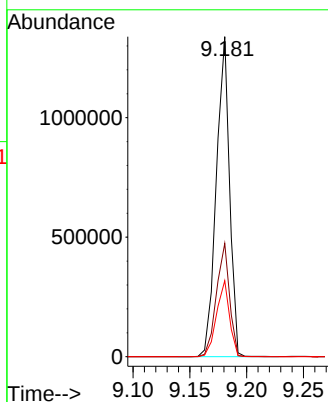
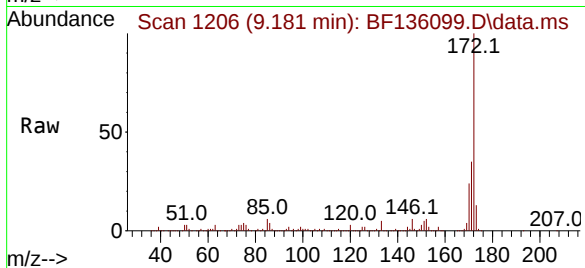
Tgt Ion:172 Resp: 1085807

Ion Ratio Lower Upper

172 100

171 35.4 29.4 44.0

170 23.8 19.3 28.9



#50

Dimethylphthalate

Concen: 3.117 ng

RT: 9.857 min Scan# 1321

Delta R.T. 0.265 min

Lab File: BF136099.D

Acq: 02 Nov 2023 16:59

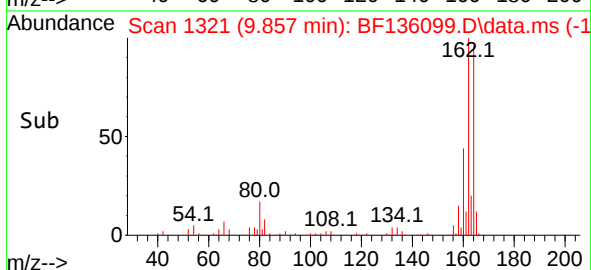
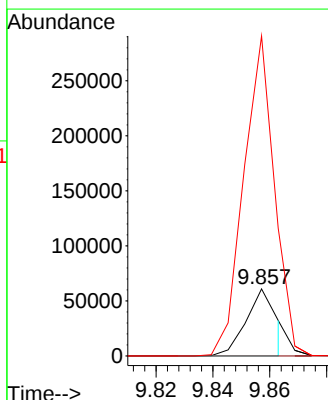
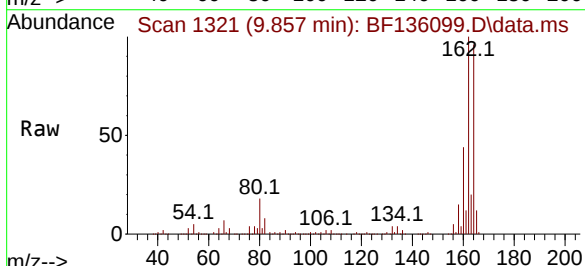
Tgt Ion:163 Resp: 45186

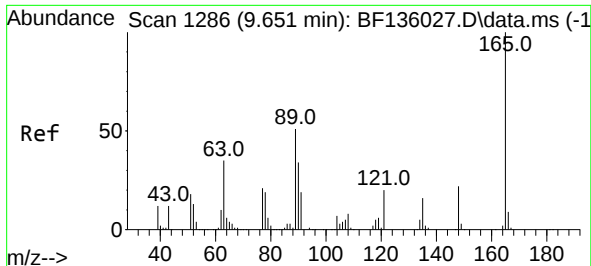
Ion Ratio Lower Upper

163 100

194 0.0 3.2 4.8#

164 477.6 8.1 12.1#





#51

2,6-Dinitrotoluene

Concen: 9.122 ng

RT: 9.857 min Scan# 11

Delta R.T. 0.206 min

Lab File: BF136099.D

Acq: 02 Nov 2023 16:59

Instrument :

BNA_F

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N-2(5-10)

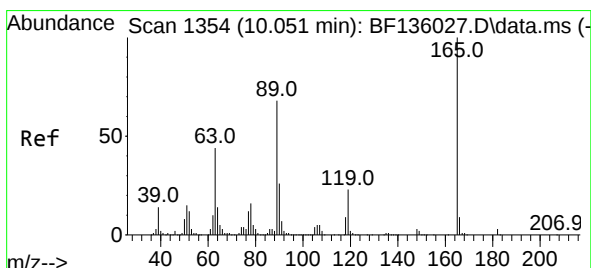
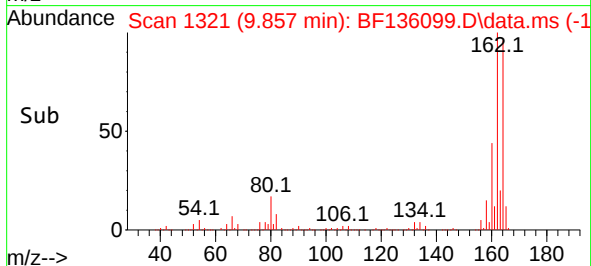
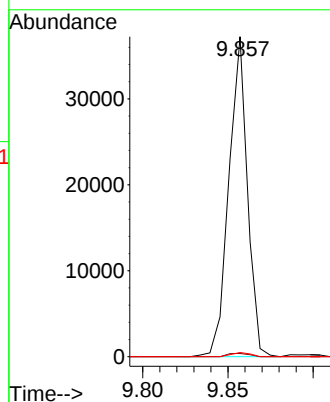
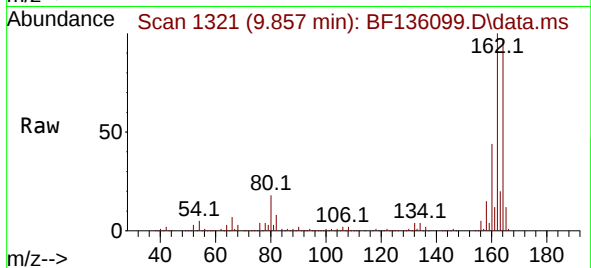
Tgt Ion:165 Resp: 28279

Ion Ratio Lower Upper

165 100

63 1.0 40.8 61.2#

89 1.3 41.1 61.7#



#57

2,4-Dinitrotoluene

Concen: 7.210 ng

RT: 9.857 min Scan# 1321

Delta R.T. -0.194 min

Lab File: BF136099.D

Acq: 02 Nov 2023 16:59

Tgt Ion:165 Resp: 28279

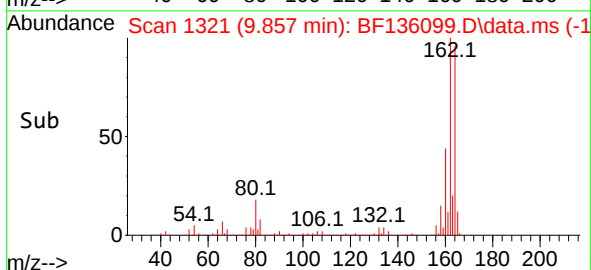
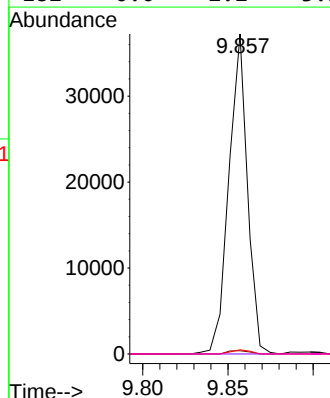
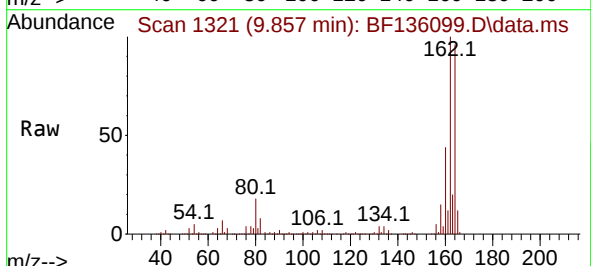
Ion Ratio Lower Upper

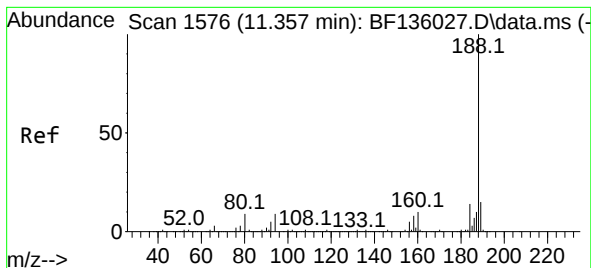
165 100

63 1.0 35.2 52.8#

89 1.3 54.8 82.2#

182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.351 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136099.D

Acq: 02 Nov 2023 16:59

Instrument :

BNA_F

ClientSampleId :

N-2(5-10)

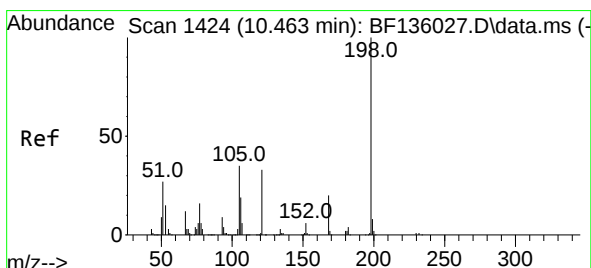
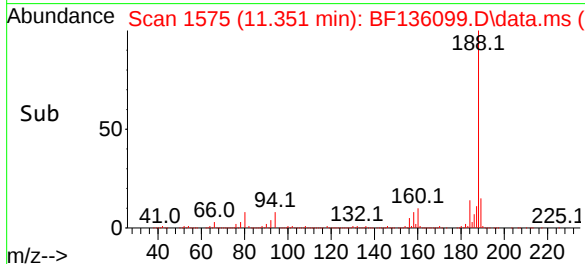
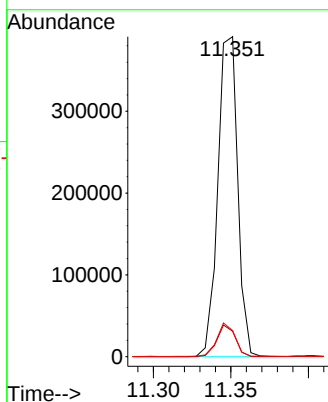
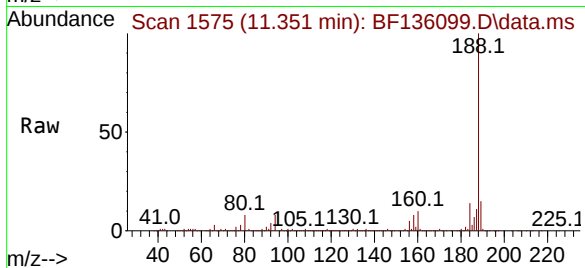
Tgt Ion:188 Resp: 348526

Ion Ratio Lower Upper

188 100

94 8.0 7.2 10.8

80 8.1 7.4 11.0



#65

4,6-Dinitro-2-methylphenol

Concen: 6.042 ng

RT: 10.645 min Scan# 1455

Delta R.T. 0.182 min

Lab File: BF136099.D

Acq: 02 Nov 2023 16:59

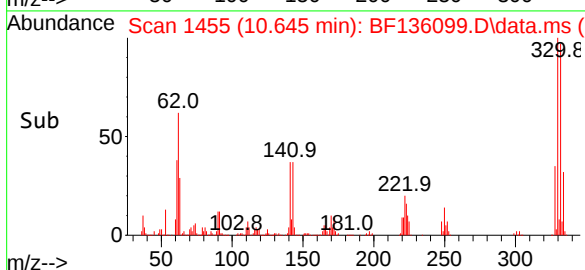
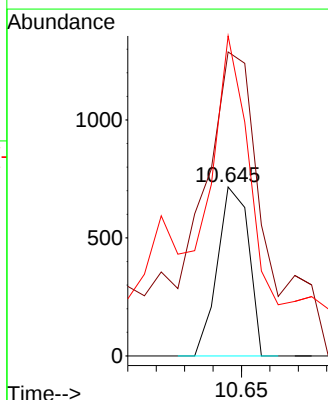
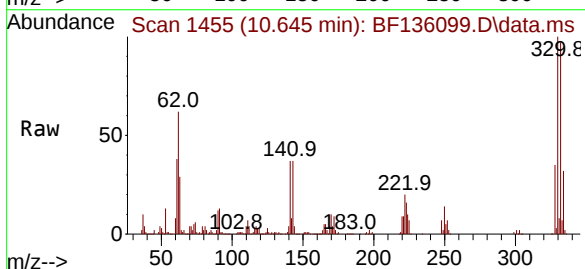
Tgt Ion:198 Resp: 548

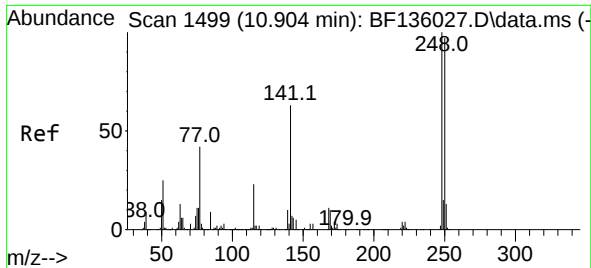
Ion Ratio Lower Upper

198 100

51 179.9 12.9 52.9#

105 189.4 16.0 56.0#

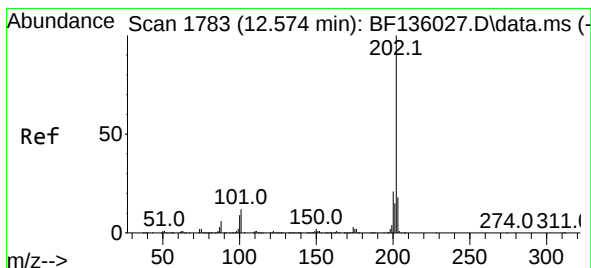
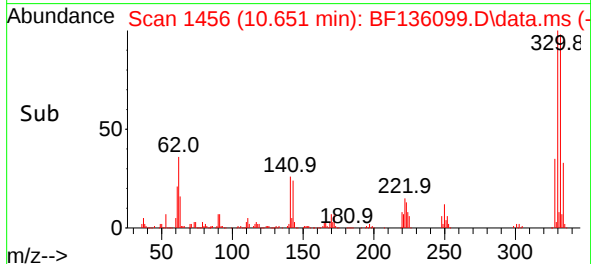
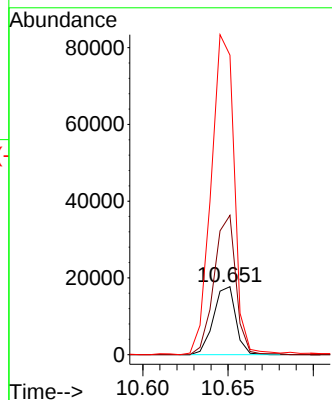
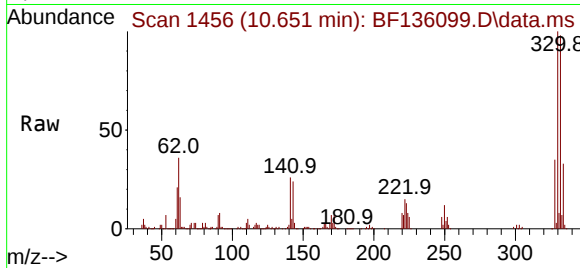




#67
4-Bromophenyl-phenylether
Concen: 4.404 ng
RT: 10.651 min Scan# 1499
Delta R.T. -0.253 min
Lab File: BF136099.D
Acq: 02 Nov 2023 16:59

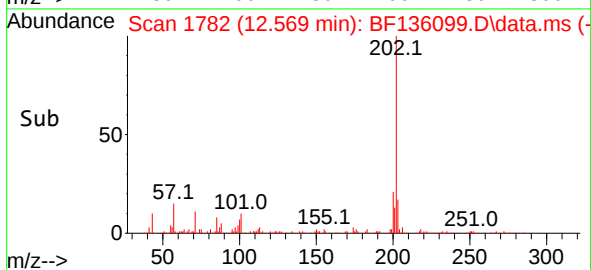
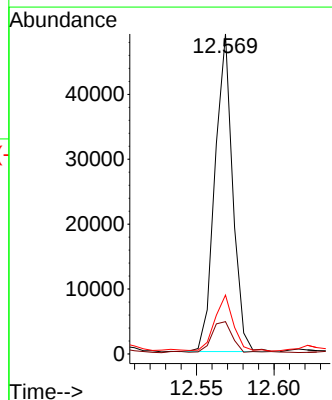
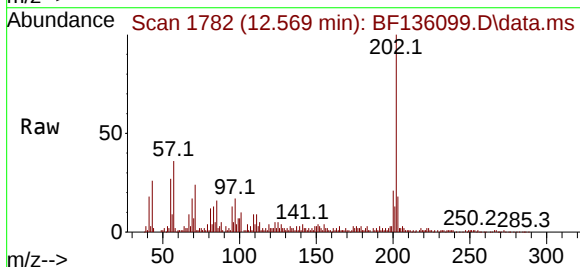
Instrument :
BNA_F
ClientSampleId :
N-2(5-10)

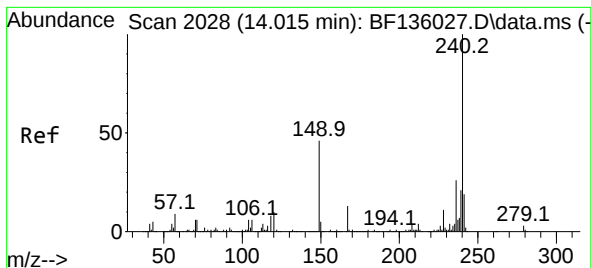
Tgt Ion:248 Resp: 16092
Ion Ratio Lower Upper
248 100
250 205.0 77.6 116.4#
141 440.4 50.4 75.6#



#75
Fluoranthene
Concen: 2.166 ng
RT: 12.569 min Scan# 1782
Delta R.T. -0.006 min
Lab File: BF136099.D
Acq: 02 Nov 2023 16:59

Tgt Ion:202 Resp: 39051
Ion Ratio Lower Upper
202 100
101 10.1 0.0 31.8
203 18.4 0.0 37.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.004 min Scan# 2026

Delta R.T. -0.011 min

Lab File: BF136099.D

Acq: 02 Nov 2023 16:59

Instrument :

BNA_F

ClientSampleId :

N-2(5-10)

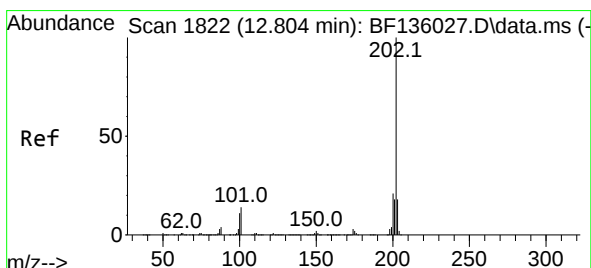
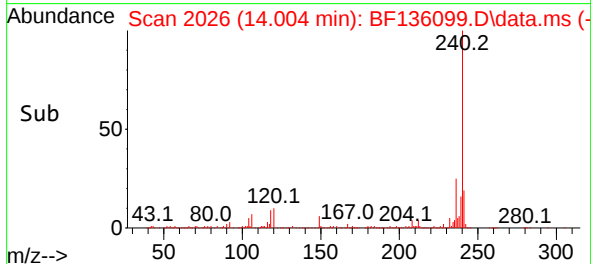
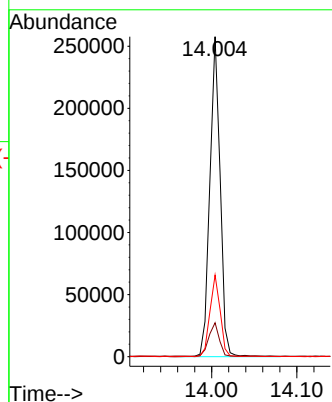
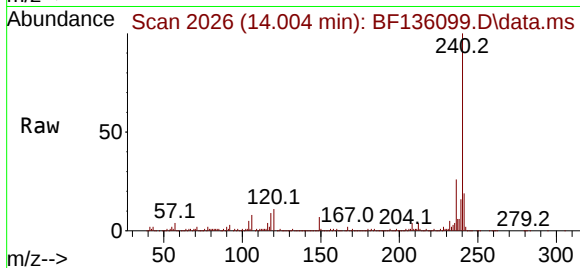
Tgt Ion:240 Resp: 216154

Ion Ratio Lower Upper

240 100

120 10.6 7.6 11.4

236 25.5 20.6 31.0



#78

Pyrene

Concen: 2.734 ng

RT: 12.798 min Scan# 1821

Delta R.T. -0.006 min

Lab File: BF136099.D

Acq: 02 Nov 2023 16:59

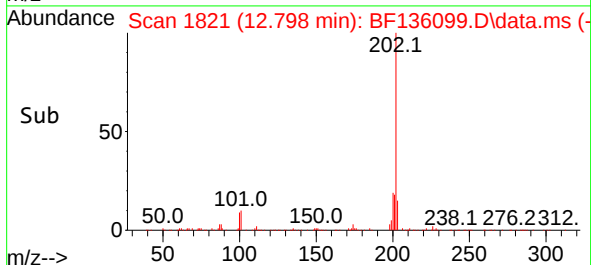
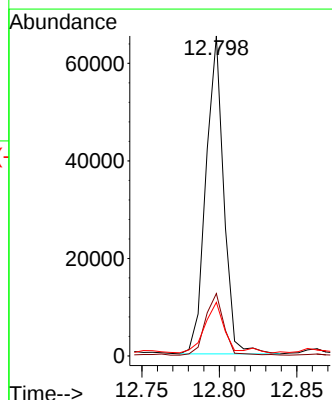
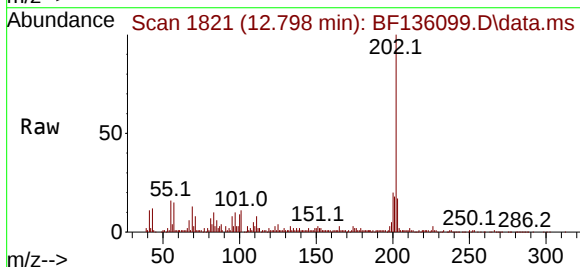
Tgt Ion:202 Resp: 52099

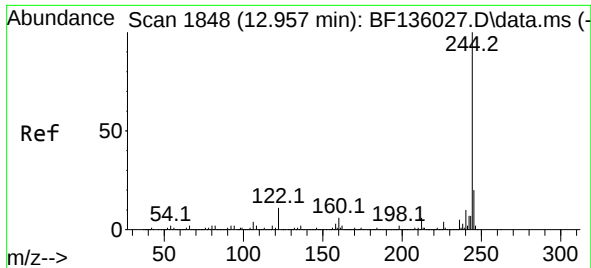
Ion Ratio Lower Upper

202 100

200 19.5 17.0 25.4

203 16.7 14.4 21.6

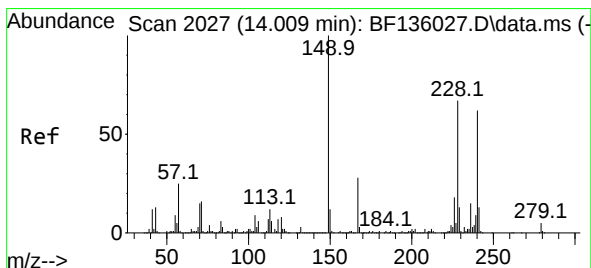
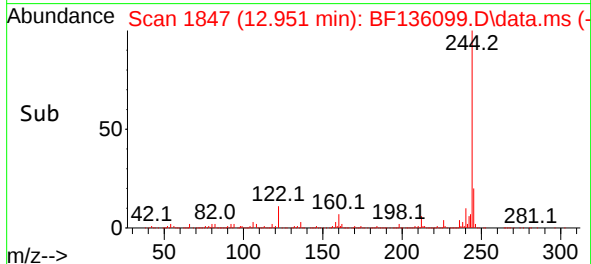
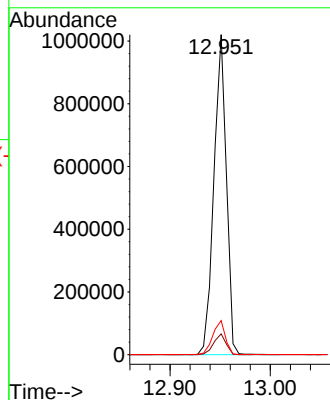
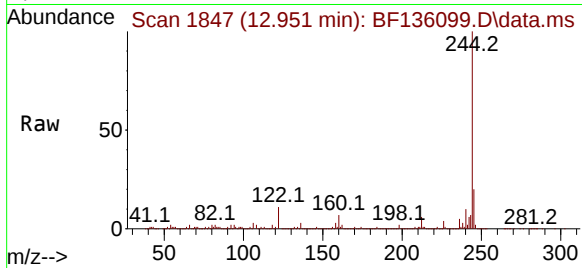




#79
 Terphenyl-d14
 Concen: 63.435 ng
 RT: 12.951 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF136099.D
 Acq: 02 Nov 2023 16:59

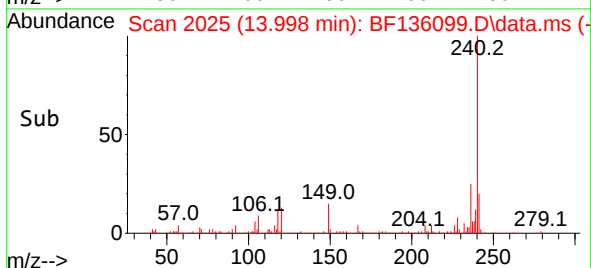
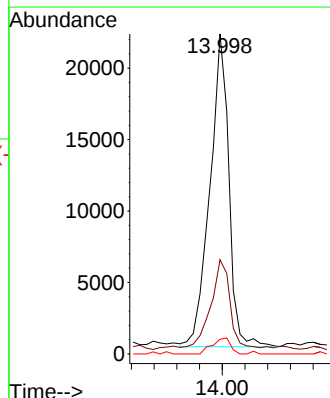
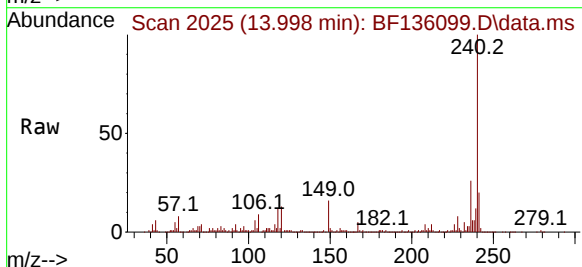
Instrument :
 BNA_F
 ClientSampleId :
 N-2(5-10)

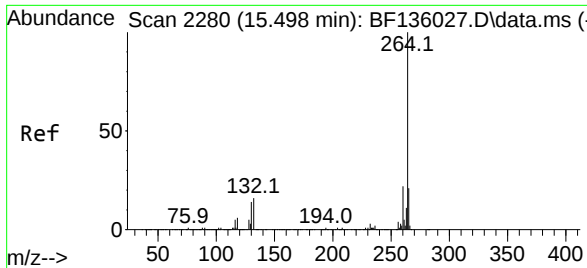
Tgt Ion:244 Resp: 882331
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.1 7.7
 122 10.6 8.6 12.8



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 3.201 ng
 RT: 13.998 min Scan# 2025
 Delta R.T. -0.011 min
 Lab File: BF136099.D
 Acq: 02 Nov 2023 16:59

Tgt Ion:149 Resp: 25436
 Ion Ratio Lower Upper
 149 100
 167 29.4 22.6 33.8
 279 4.6 4.1 6.1

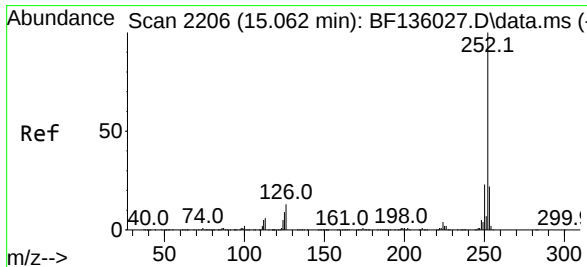
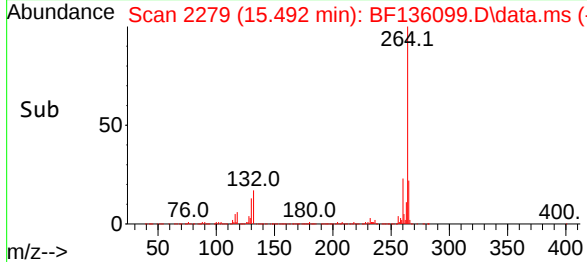
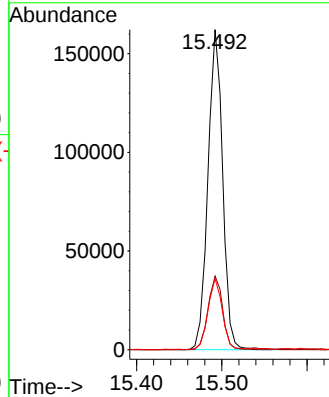
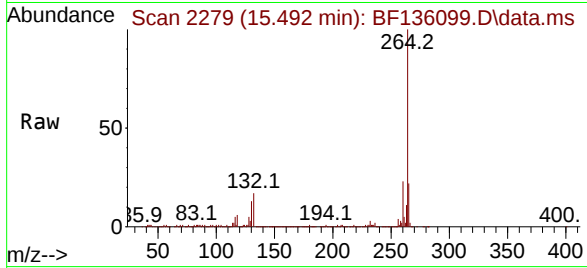




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.492 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF136099.D
Acq: 02 Nov 2023 16:59

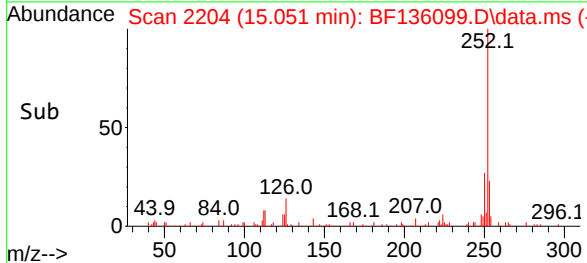
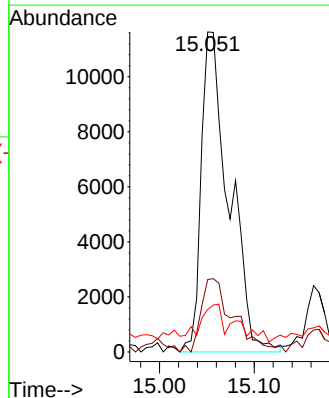
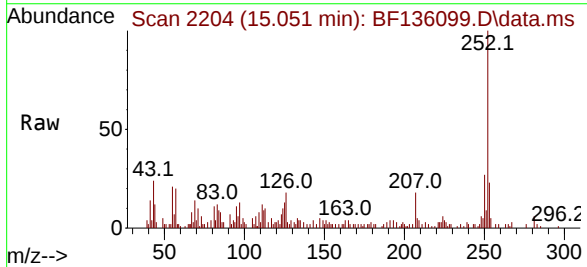
Instrument :
BNA_F
ClientSampleId :
N-2(5-10)

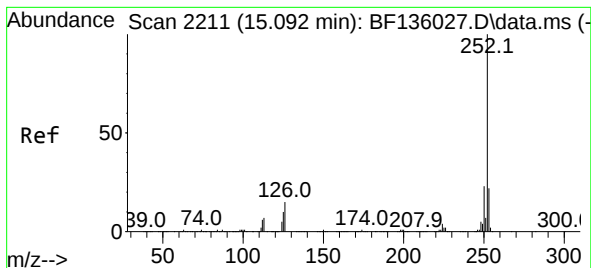
Tgt Ion:264 Resp: 194257
Ion Ratio Lower Upper
264 100
260 23.0 17.9 26.9
265 22.2 16.8 25.2



#88
Benzo(b)fluoranthene
Concen: 2.064 ng
RT: 15.051 min Scan# 2204
Delta R.T. -0.011 min
Lab File: BF136099.D
Acq: 02 Nov 2023 16:59

Tgt Ion:252 Resp: 23725
Ion Ratio Lower Upper
252 100
253 22.7 17.7 26.5
125 13.3 7.5 11.3#





#89

Benzo(k)fluoranthene

Concen: 2.086 ng

RT: 15.051 min Scan# 21

Delta R.T. -0.041 min

Lab File: BF136099.D

Acq: 02 Nov 2023 16:59

Instrument :

BNA_F

ClientSampleId :

N-2(5-10)

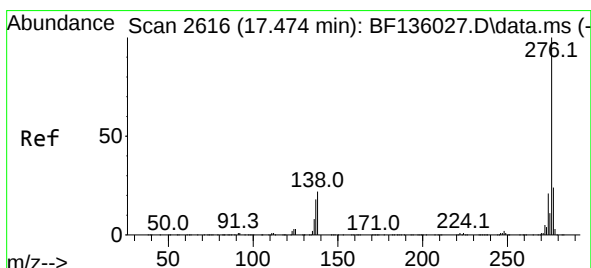
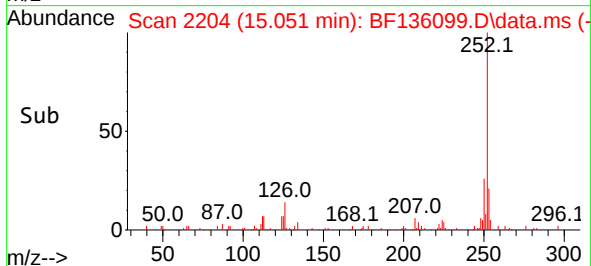
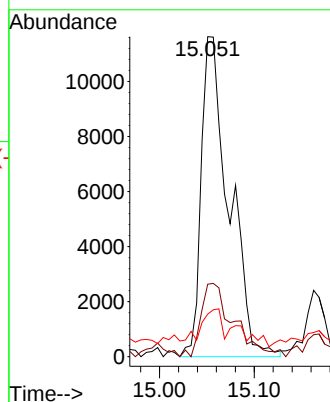
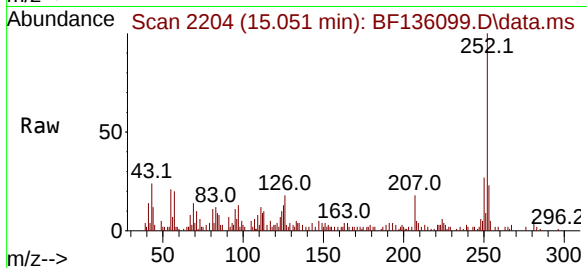
Tgt Ion:252 Resp: 23725

Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.0

125 13.3 8.0 12.0#



#92

Benzo(g,h,i)perylene

Concen: 3.486 ng

RT: 17.451 min Scan# 2612

Delta R.T. -0.023 min

Lab File: BF136099.D

Acq: 02 Nov 2023 16:59

Tgt Ion:276 Resp: 7453

Ion Ratio Lower Upper

276 100

277 18.9 19.0 28.4#

138 22.9 17.4 26.2

