

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110323\
 Data File : BF136129.D
 Acq On : 03 Nov 2023 17:39
 Operator : CG\JU
 Sample : 05141-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PE-5

Quant Time: Nov 04 00:10:08 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)

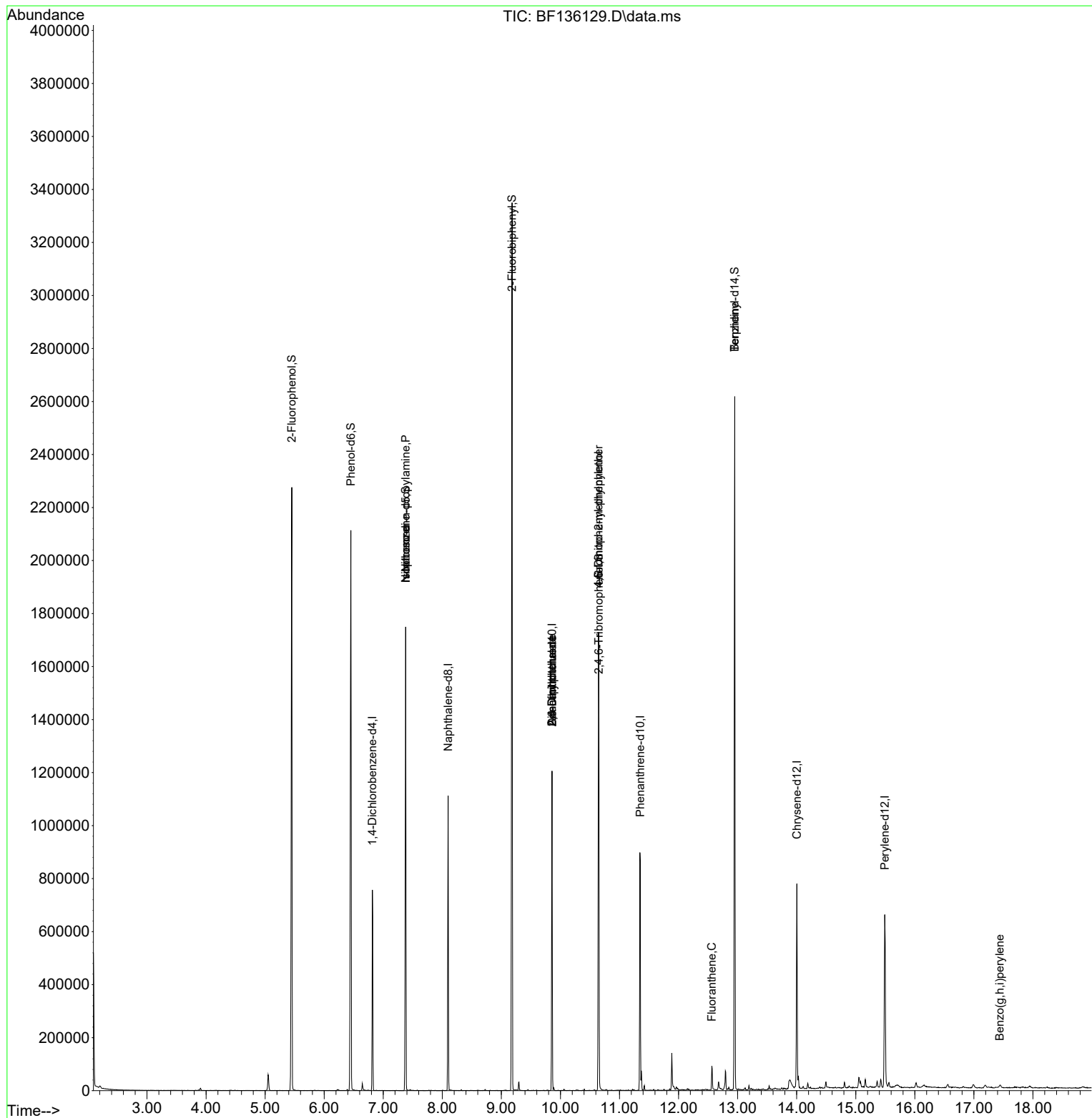
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	109610	20.000	ng	-0.01
21) Naphthalene-d8	8.098	136	419935	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	211170	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	347534	20.000	ng	0.00
76) Chrysene-d12	14.004	240	238028	20.000	ng	-0.01
86) Perylene-d12	15.492	264	305868	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	635101	91.050	ng	0.00
7) Phenol-d6	6.451	99	786046	90.446	ng	0.00
23) Nitrobenzene-d5	7.381	82	489639	70.289	ng	-0.01
42) 2,4,6-Tribromophenol	10.651	330	214083	94.980	ng	0.00
45) 2-Fluorobiphenyl	9.180	172	933677	70.482	ng	0.00
79) Terphenyl-d14	12.951	244	880552	57.489	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.381	70	65330	13.156	ng	# 78
25) Isophorone	7.381	82	489631	37.231	ng	# 64
50) Dimethylphthalate	9.857	163	43191	3.101	ng	# 1
51) 2,6-Dinitrotoluene	9.857	165	27688	9.294	ng	# 28
57) 2,4-Dinitrotoluene	9.857	165	27688	7.346	ng	# 25
65) 4,6-Dinitro-2-methylph...	10.645	198	381	5.966	ng	# 1
67) 4-Bromophenyl-phenylether	10.645	248	13026	3.575	ng	# 1
75) Fluoranthene	12.563	202	36568	2.034	ng	98
77) Benzidine	12.951	184	11101	2.393	ng	# 94
92) Benzo(g,h,i)perylene	17.439	276	8752	3.336	ng	# 92

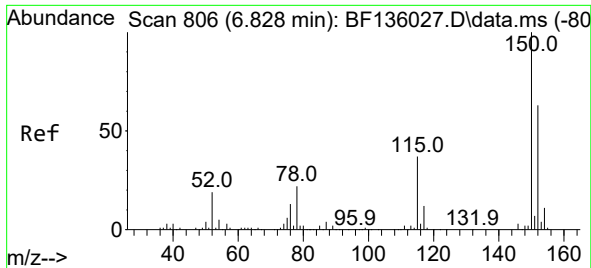
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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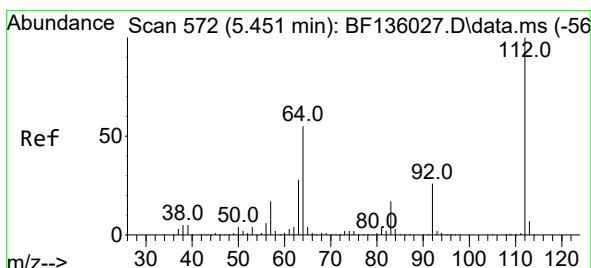
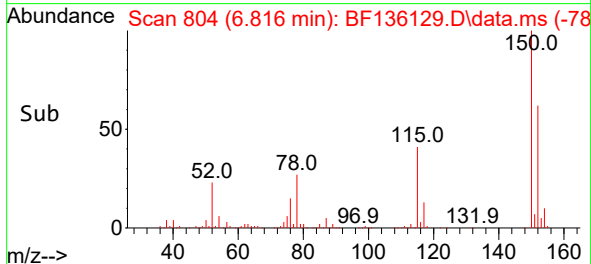
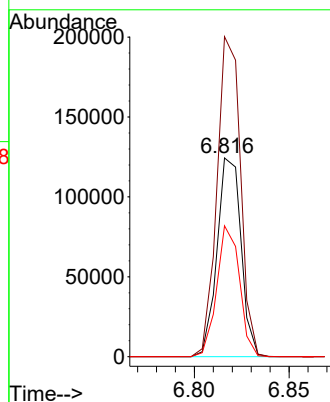
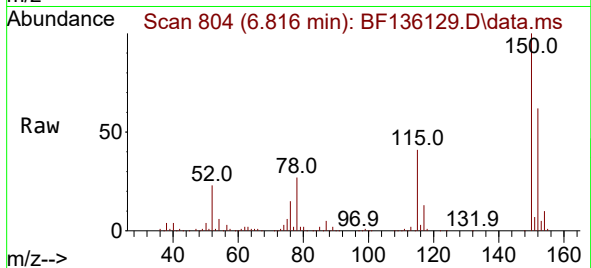




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 806
Delta R.T. -0.012 min
Lab File: BF136129.D
Acq: 03 Nov 2023 17:39

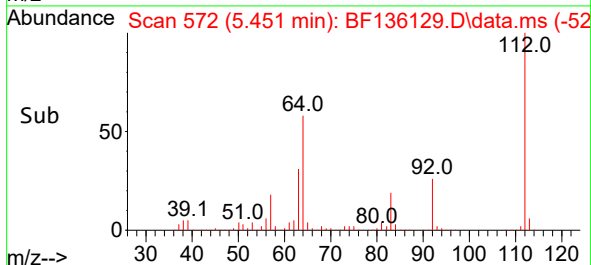
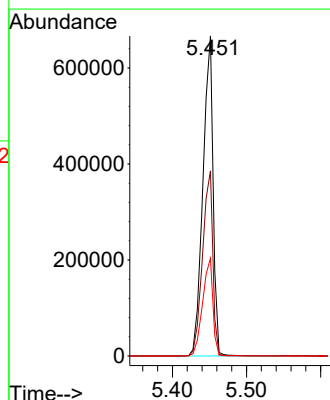
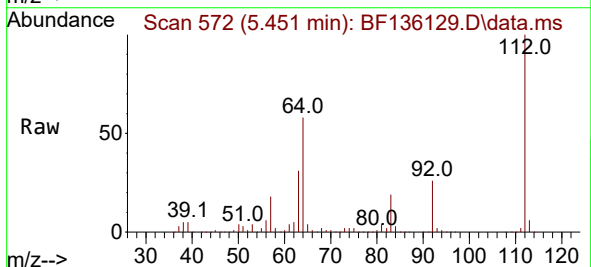
Instrument :
BNA_F
ClientSampleId :
PE-5

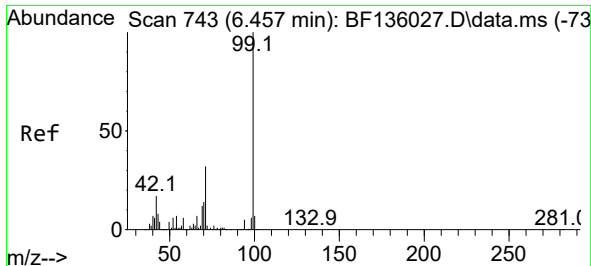
Tgt Ion:152 Resp: 109610
Ion Ratio Lower Upper
152 100
150 161.1 126.4 189.6
115 65.9 47.0 70.4



#5
2-Fluorophenol
Concen: 91.050 ng
RT: 5.451 min Scan# 572
Delta R.T. 0.000 min
Lab File: BF136129.D
Acq: 03 Nov 2023 17:39

Tgt Ion:112 Resp: 635101
Ion Ratio Lower Upper
112 100
64 57.9 43.9 65.9
63 30.6 22.4 33.6

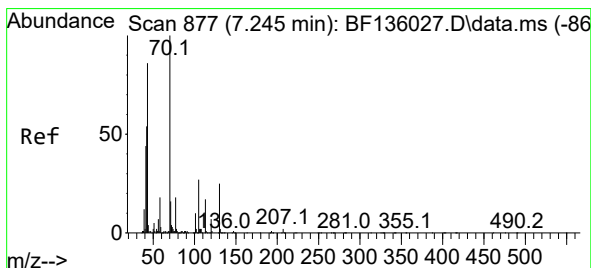
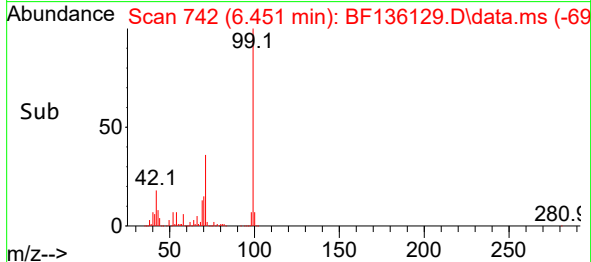
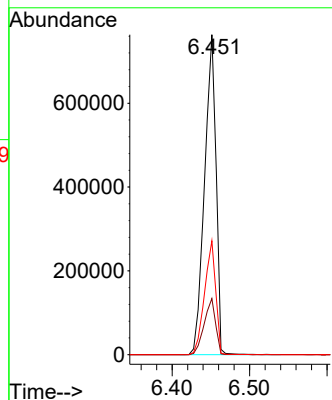
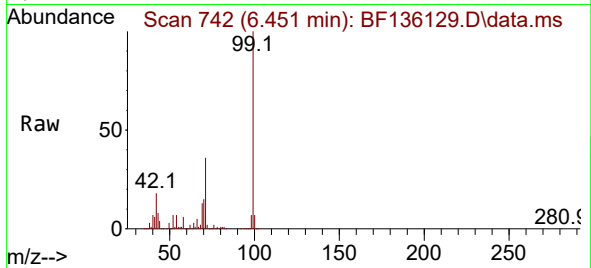




#7
Phenol-d6
Concen: 90.446 ng
RT: 6.451 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF136129.D
Acq: 03 Nov 2023 17:39

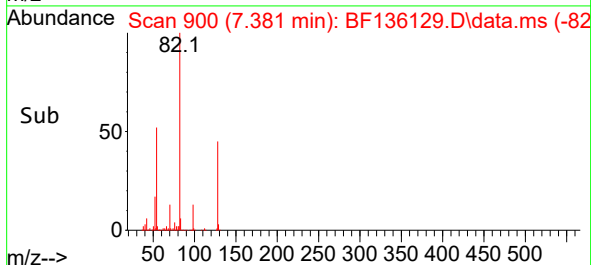
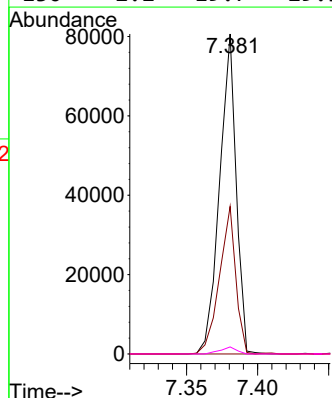
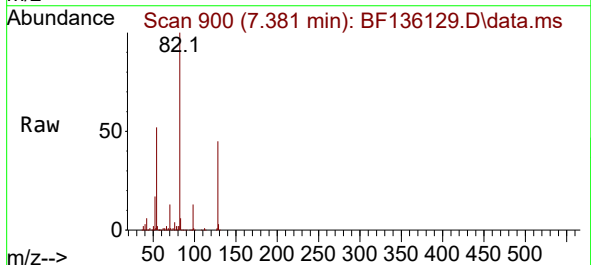
Instrument :
BNA_F
ClientSampleId :
PE-5

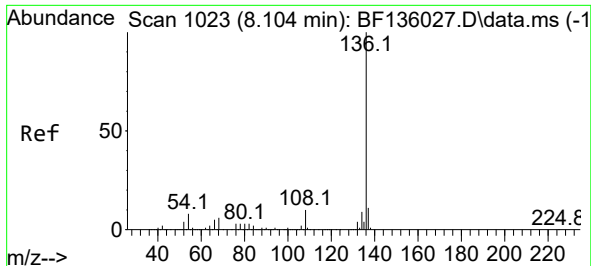
Tgt Ion: 99 Resp: 786046
Ion Ratio Lower Upper
99 100
42 17.5 13.7 20.5
71 35.6 25.9 38.9



#19
n-Nitroso-di-n-propylamine
Concen: 13.156 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.135 min
Lab File: BF136129.D
Acq: 03 Nov 2023 17:39

Tgt Ion: 70 Resp: 65330
Ion Ratio Lower Upper
70 100
42 46.1 43.0 64.4
101 0.0 8.0 12.0#
130 2.2 19.7 29.5#



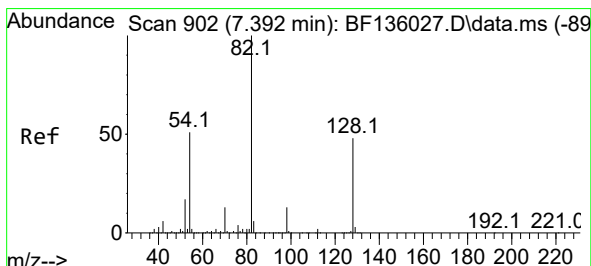
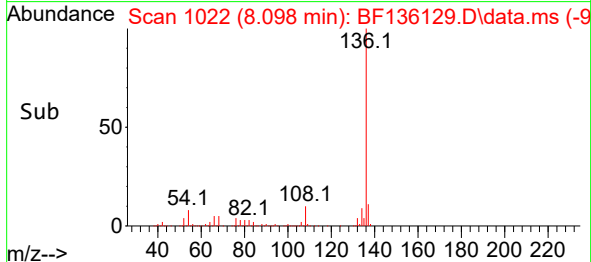
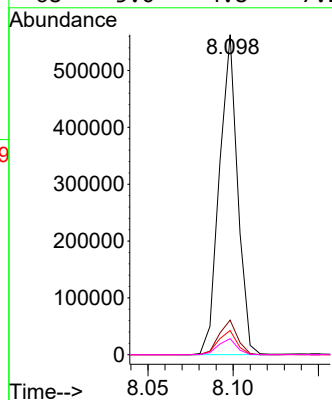
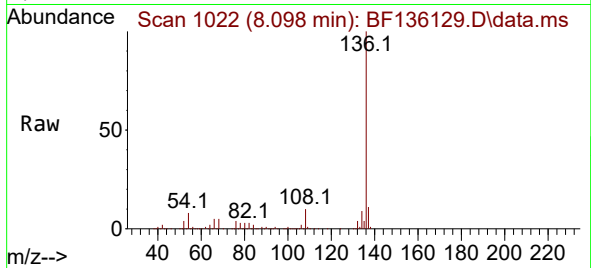


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF136129.D
Acq: 03 Nov 2023 17:39

Instrument :
BNA_F
ClientSampleId :
PE-5

Tgt Ion:136 Resp: 419935

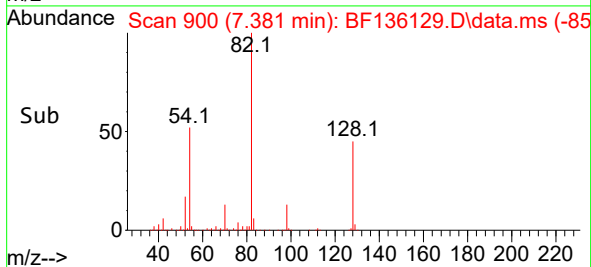
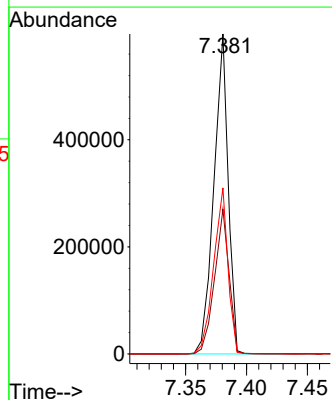
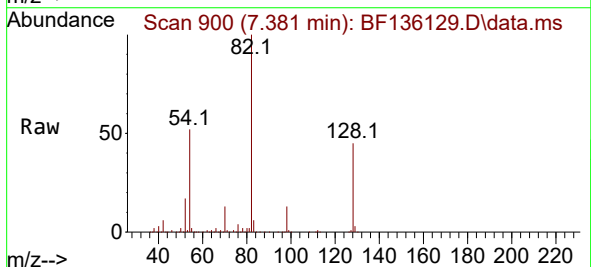
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	7.6	6.6	9.8
68	5.0	4.8	7.2

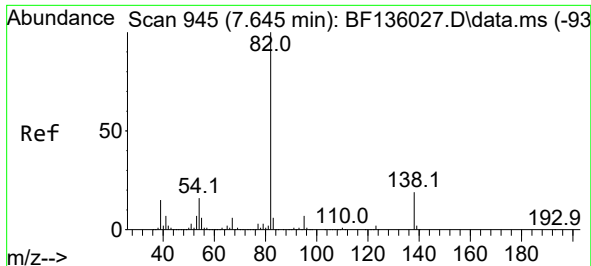


#23
Nitrobenzene-d5
Concen: 70.289 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.012 min
Lab File: BF136129.D
Acq: 03 Nov 2023 17:39

Tgt Ion: 82 Resp: 489639

Ion	Ratio	Lower	Upper
82	100		
128	45.2	38.6	57.8
54	51.9	40.8	61.2

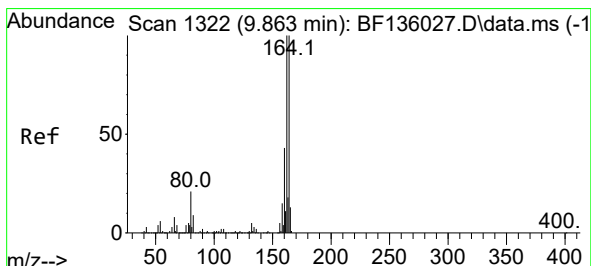
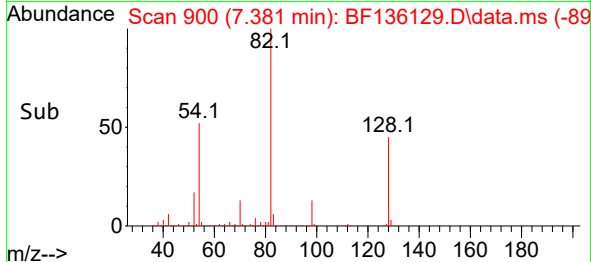
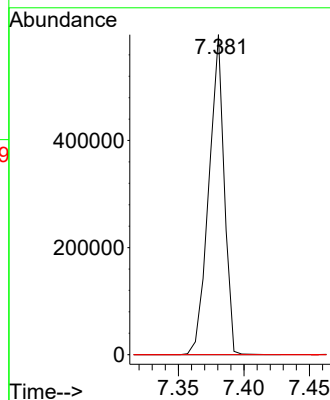
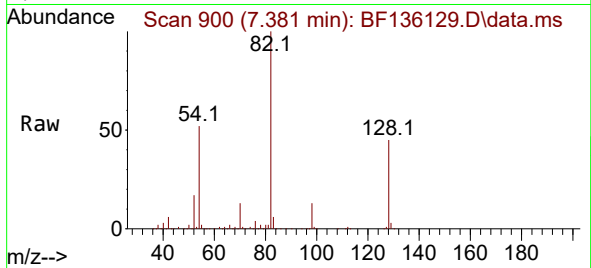




#25
Isophorone
Concen: 37.231 ng
RT: 7.381 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF136129.D
Acq: 03 Nov 2023 17:39

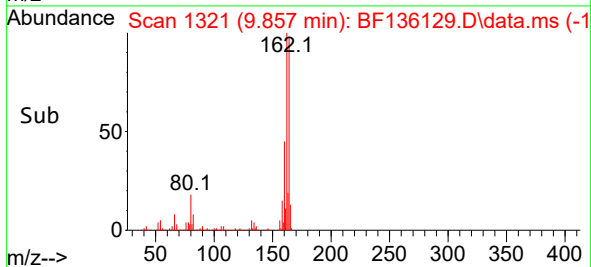
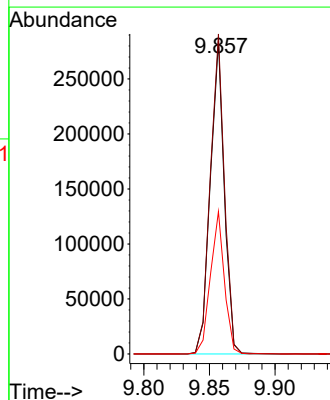
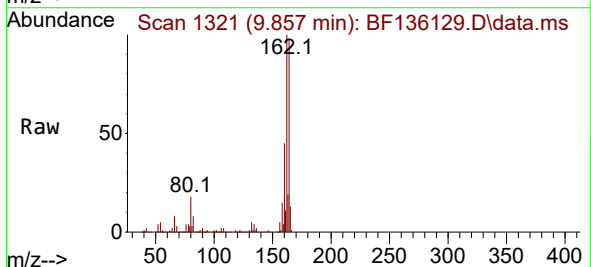
Instrument :
BNA_F
ClientSampleId :
PE-5

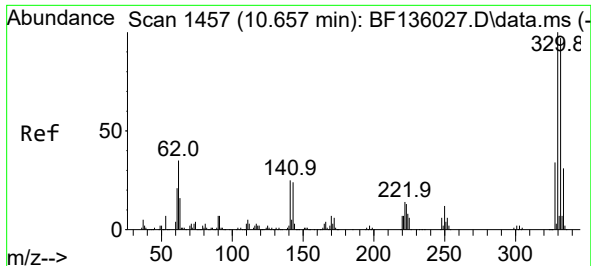
Tgt Ion: 82 Resp: 489631
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 15.3 22.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF136129.D
Acq: 03 Nov 2023 17:39

Tgt Ion:164 Resp: 211170
Ion Ratio Lower Upper
164 100
162 102.3 80.1 120.1
160 45.6 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 94.980 ng

RT: 10.651 min Scan# 1456

Delta R.T. -0.006 min

Lab File: BF136129.D

Acq: 03 Nov 2023 17:39

Instrument :

BNA_F

ClientSampleId :

PE-5

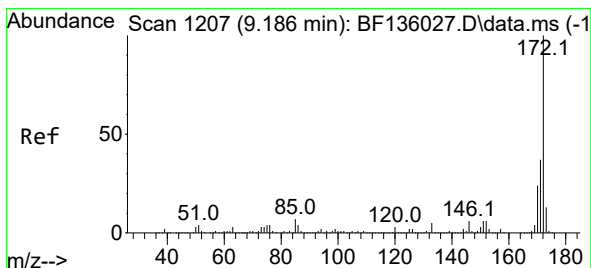
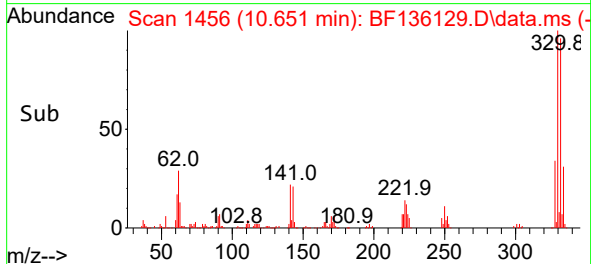
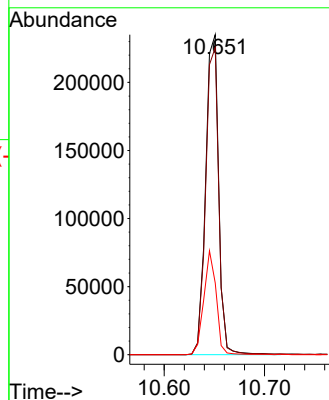
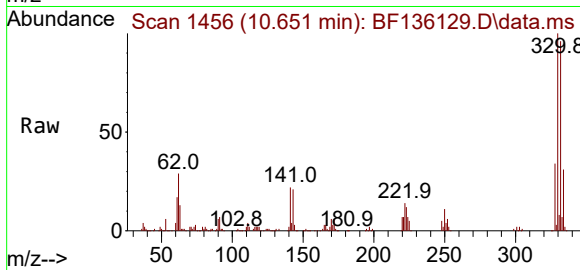
Tgt Ion:330 Resp: 214083

Ion Ratio Lower Upper

330 100

332 96.4 76.9 115.3

141 30.8 23.2 34.8



#45

2-Fluorobiphenyl

Concen: 70.482 ng

RT: 9.180 min Scan# 1206

Delta R.T. -0.006 min

Lab File: BF136129.D

Acq: 03 Nov 2023 17:39

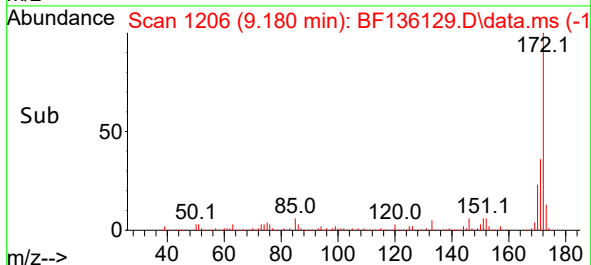
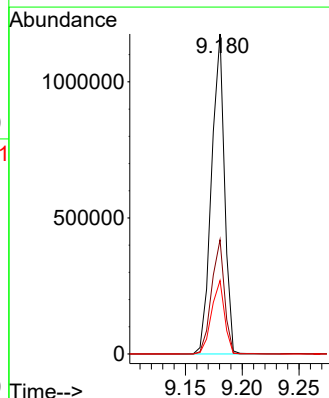
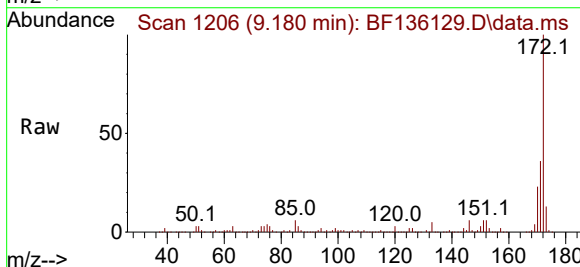
Tgt Ion:172 Resp: 933677

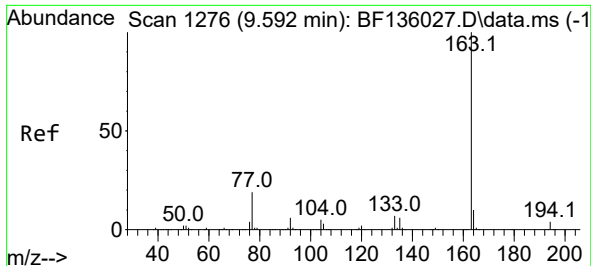
Ion Ratio Lower Upper

172 100

171 35.7 29.4 44.0

170 23.0 19.3 28.9

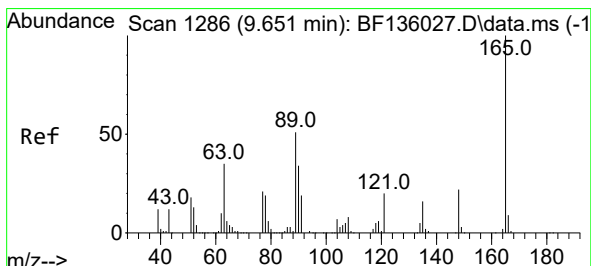
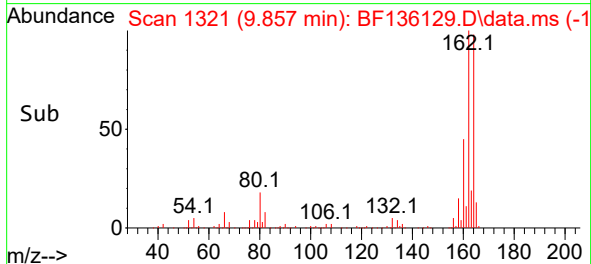
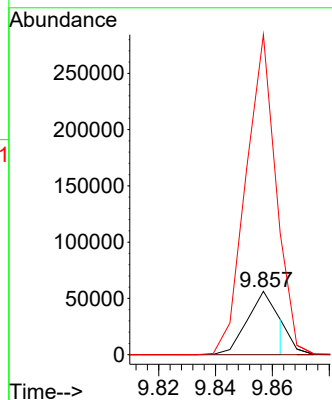
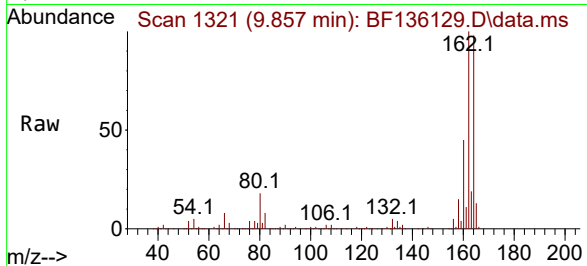




#50
Dimethylphthalate
Concen: 3.101 ng
RT: 9.857 min Scan# 1321
Delta R.T. 0.265 min
Lab File: BF136129.D
Acq: 03 Nov 2023 17:39

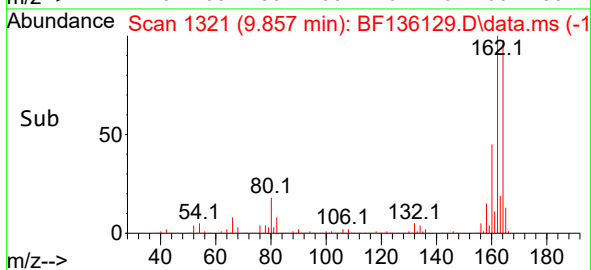
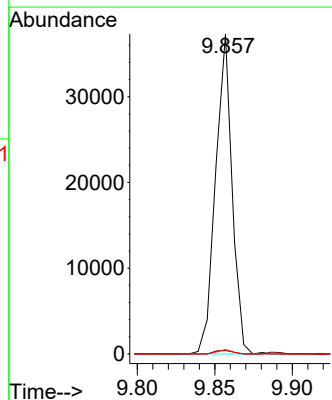
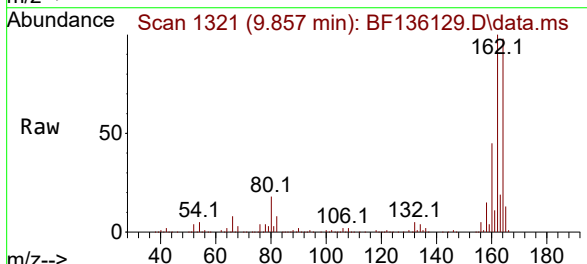
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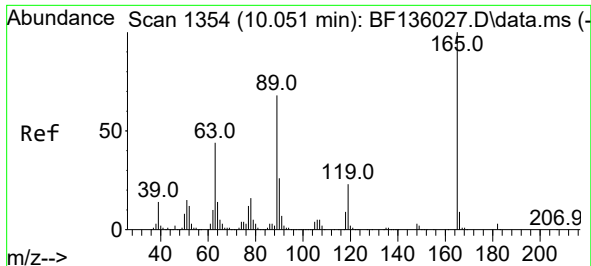
Tgt Ion:163 Resp: 43191
Ion Ratio Lower Upper
163 100
194 0.0 3.2 4.8#
164 505.6 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 9.294 ng
RT: 9.857 min Scan# 1321
Delta R.T. 0.206 min
Lab File: BF136129.D
Acq: 03 Nov 2023 17:39

Tgt Ion:165 Resp: 27688
Ion Ratio Lower Upper
165 100
63 1.1 40.8 61.2#
89 1.4 41.1 61.7#

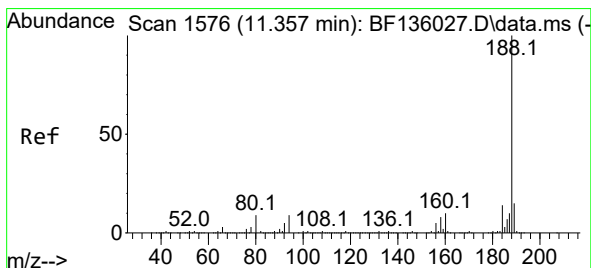
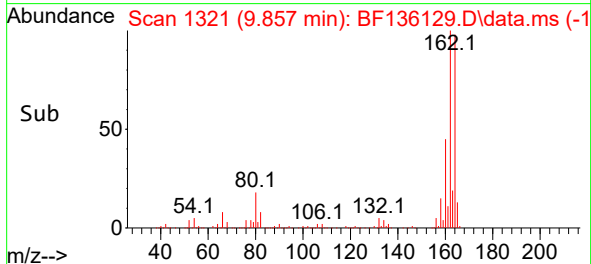
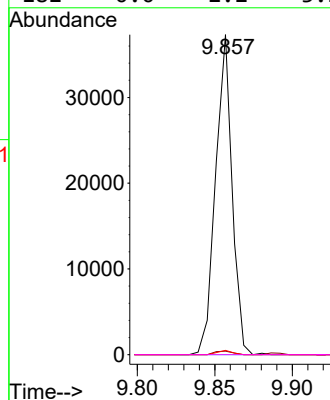
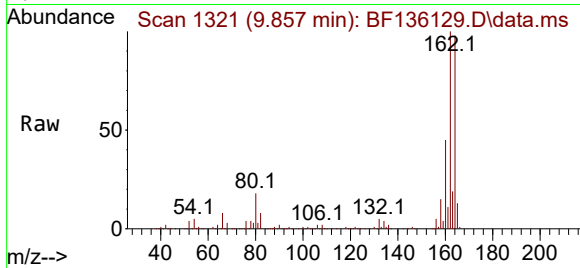




#57
2,4-Dinitrotoluene
Concen: 7.346 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF136129.D
Acq: 03 Nov 2023 17:39

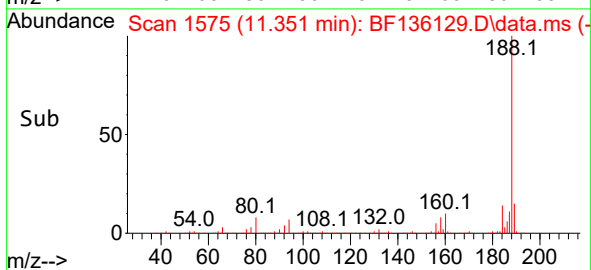
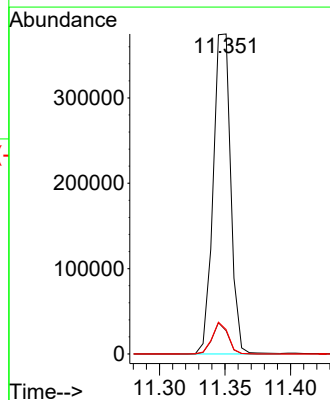
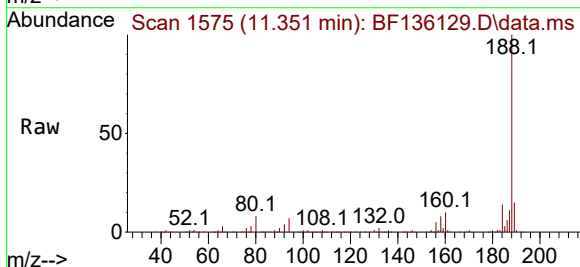
Instrument :
BNA_F
ClientSampleId :
PE-5

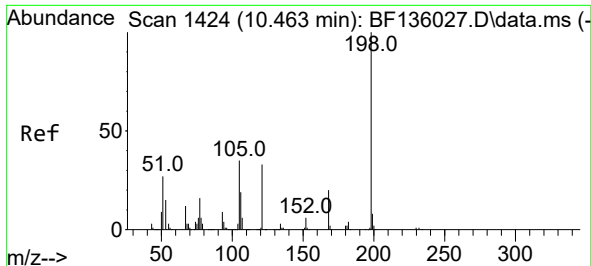
Tgt Ion:165 Resp: 27688
Ion Ratio Lower Upper
165 100
63 1.1 35.2 52.8#
89 1.4 54.8 82.2#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.006 min
Lab File: BF136129.D
Acq: 03 Nov 2023 17:39

Tgt Ion:188 Resp: 347534
Ion Ratio Lower Upper
188 100
94 7.2 7.2 10.8
80 7.7 7.4 11.0





#65

4,6-Dinitro-2-methylphenol

Concen: 5.966 ng

RT: 10.645 min Scan# 14

Delta R.T. 0.182 min

Lab File: BF136129.D

Acq: 03 Nov 2023 17:39

Instrument :

BNA_F

ClientSampleId :

PE-5

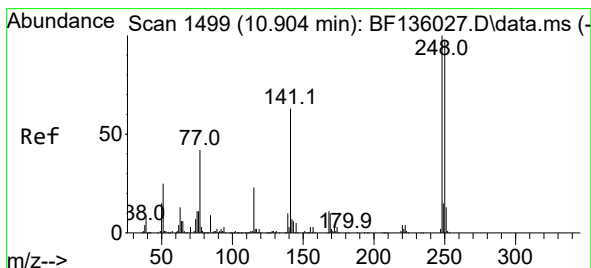
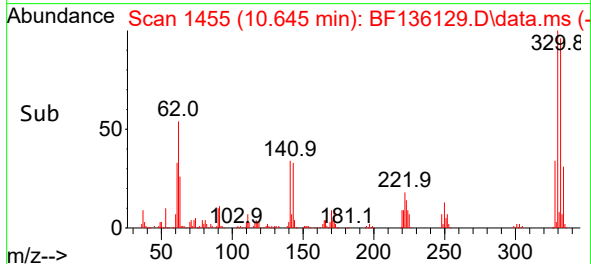
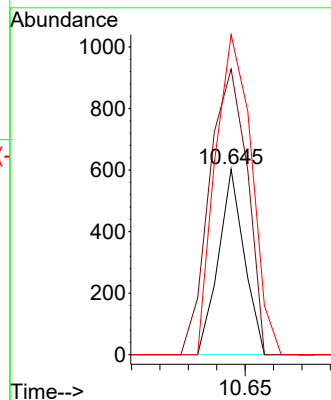
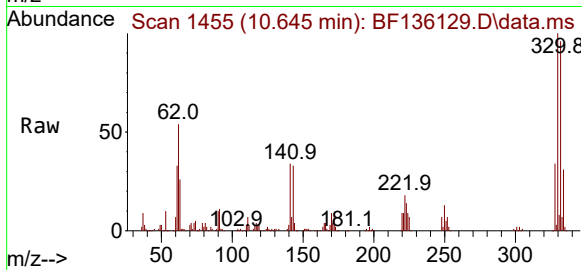
Tgt Ion:198 Resp: 381

Ion Ratio Lower Upper

198 100

51 153.9 12.9 52.9#

105 172.5 16.0 56.0#



#67

4-Bromophenyl-phenylether

Concen: 3.575 ng

RT: 10.645 min Scan# 1455

Delta R.T. -0.259 min

Lab File: BF136129.D

Acq: 03 Nov 2023 17:39

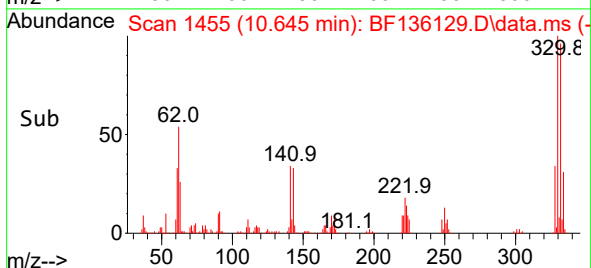
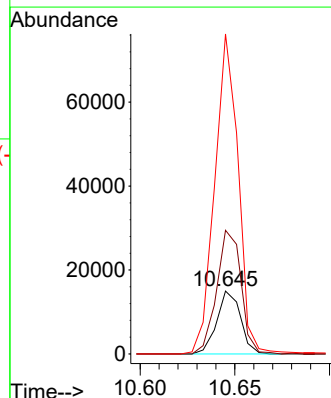
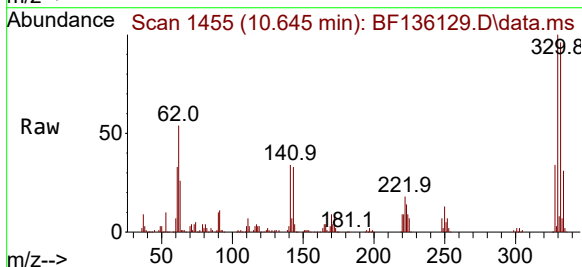
Tgt Ion:248 Resp: 13026

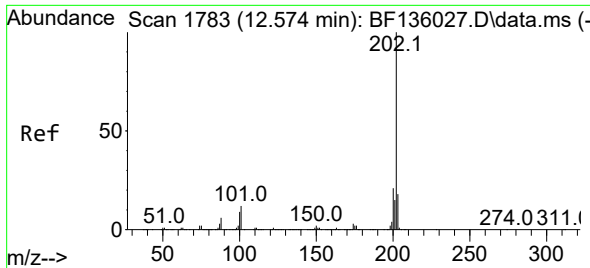
Ion Ratio Lower Upper

248 100

250 196.7 77.6 116.4#

141 508.6 50.4 75.6#

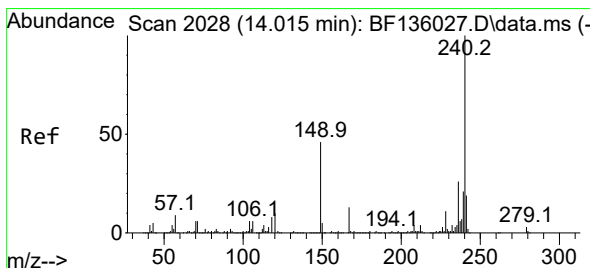
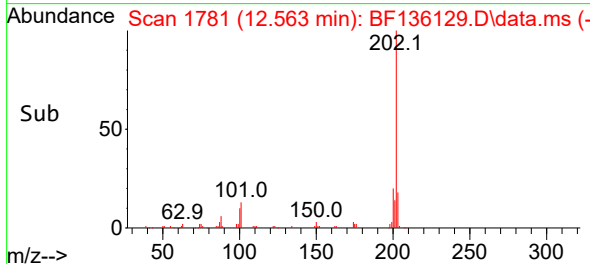
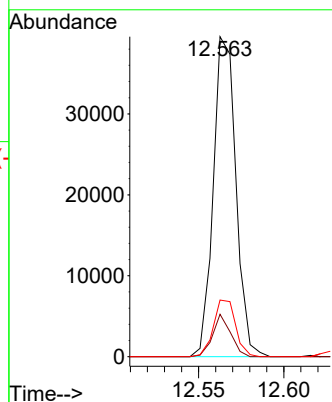
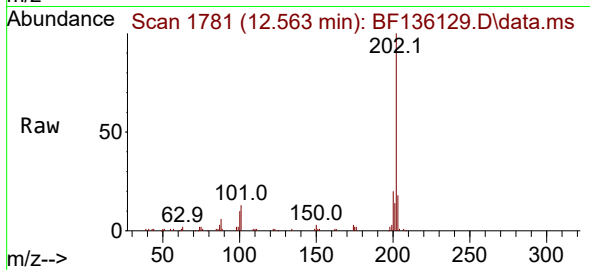




#75
Fluoranthene
Concen: 2.034 ng
RT: 12.563 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136129.D
Acq: 03 Nov 2023 17:39

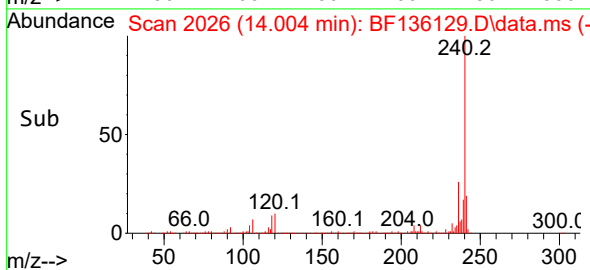
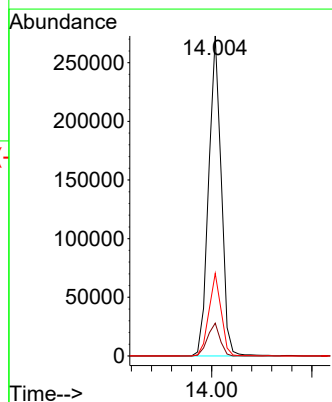
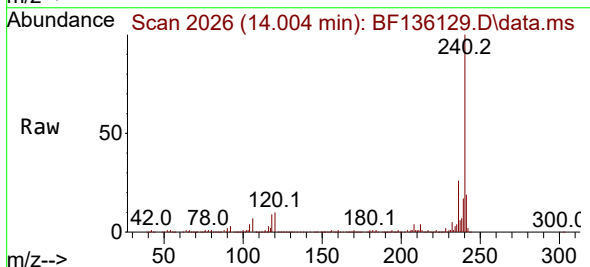
Instrument :
BNA_F
ClientSampleId :
PE-5

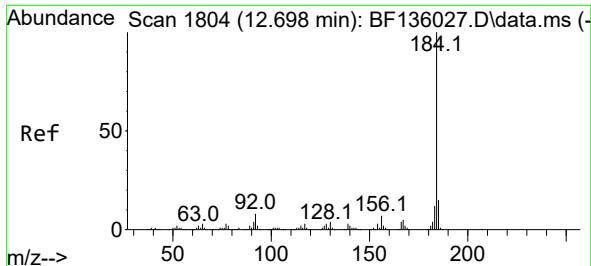
Tgt Ion:202 Resp: 36568
Ion Ratio Lower Upper
202 100
101 13.3 0.0 31.8
203 17.7 0.0 37.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.012 min
Lab File: BF136129.D
Acq: 03 Nov 2023 17:39

Tgt Ion:240 Resp: 238028
Ion Ratio Lower Upper
240 100
120 10.2 7.6 11.4
236 25.8 20.6 31.0

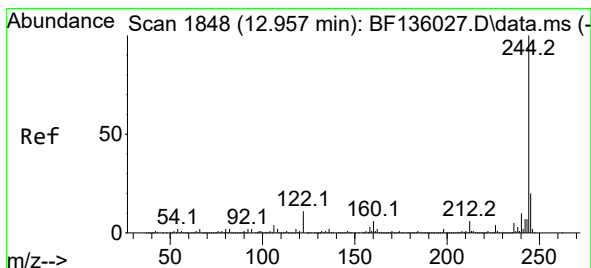
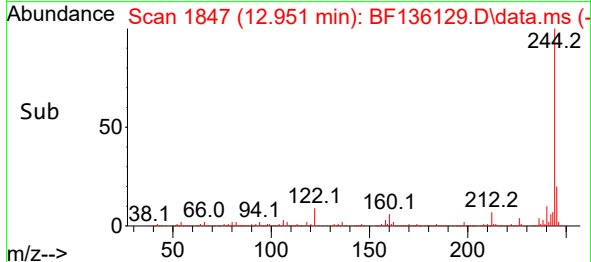
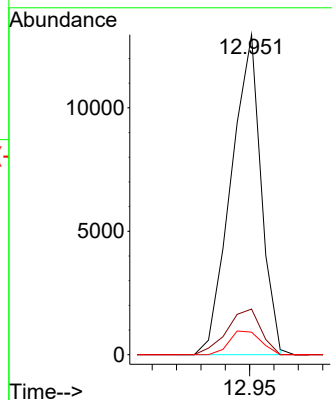
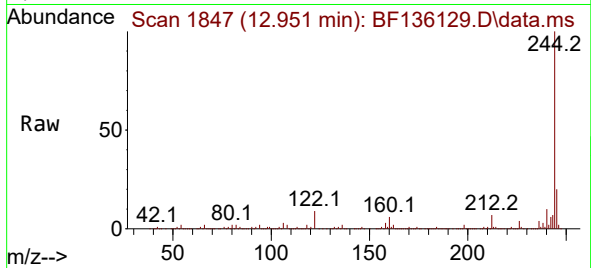




#77
Benzidine
Concen: 2.393 ng
RT: 12.951 min Scan# 1847
Delta R.T. 0.253 min
Lab File: BF136129.D
Acq: 03 Nov 2023 17:39

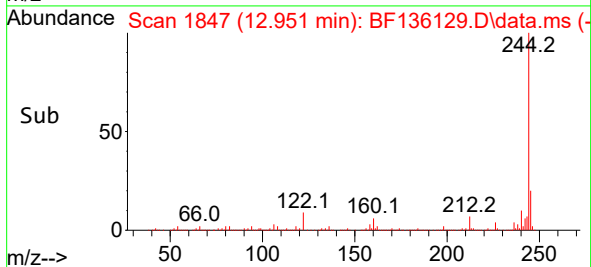
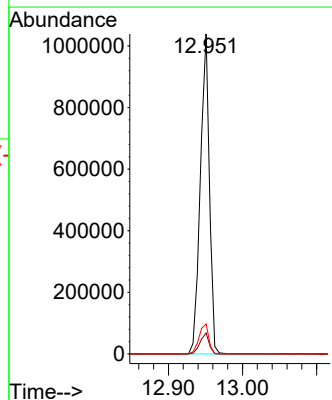
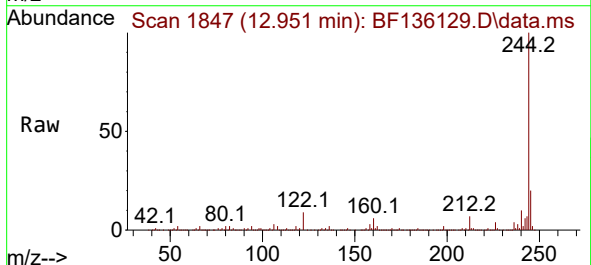
Instrument :
BNA_F
ClientSampleId :
PE-5

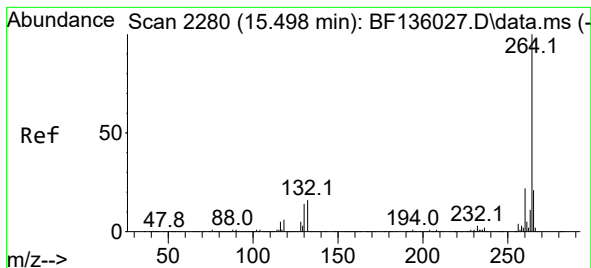
Tgt Ion:184 Resp: 11101
Ion Ratio Lower Upper
184 100
185 14.2 11.8 17.8
183 7.0 9.5 14.3#



#79
Terphenyl-d14
Concen: 57.489 ng
RT: 12.951 min Scan# 1847
Delta R.T. -0.006 min
Lab File: BF136129.D
Acq: 03 Nov 2023 17:39

Tgt Ion:244 Resp: 880552
Ion Ratio Lower Upper
244 100
212 6.6 5.1 7.7
122 9.4 8.6 12.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.492 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF136129.D

Acq: 03 Nov 2023 17:39

Instrument :

BNA_F

ClientSampleId :

PE-5

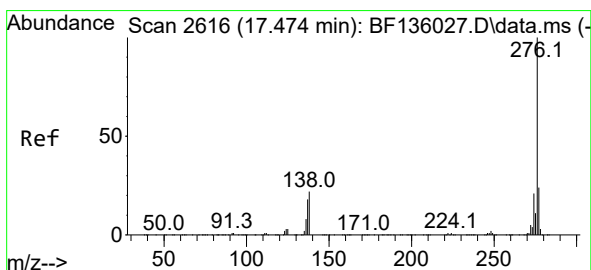
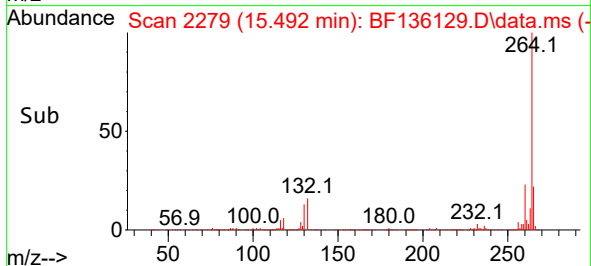
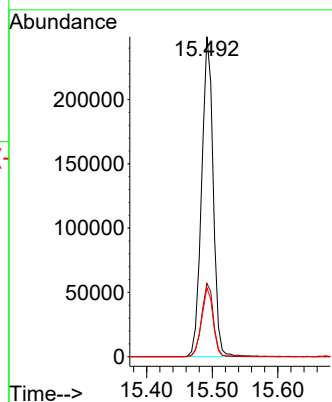
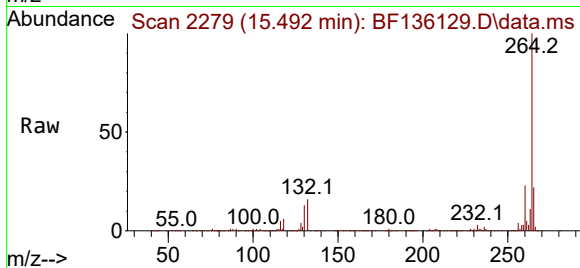
Tgt Ion:264 Resp: 305868

Ion Ratio Lower Upper

264 100

260 22.9 17.9 26.9

265 21.6 16.8 25.2



#92

Benzo(g,h,i)perylene

Concen: 3.336 ng

RT: 17.439 min Scan# 2610

Delta R.T. -0.035 min

Lab File: BF136129.D

Acq: 03 Nov 2023 17:39

Tgt Ion:276 Resp: 8752

Ion Ratio Lower Upper

276 100

277 22.0 19.0 28.4

138 16.0 17.4 26.2#

