

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022425\
 Data File : BF141753.D
 Acq On : 24 Feb 2025 19:35
 Operator : RC/JU
 Sample : Q1411-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-02-02212025

Quant Time: Feb 25 00:13:09 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

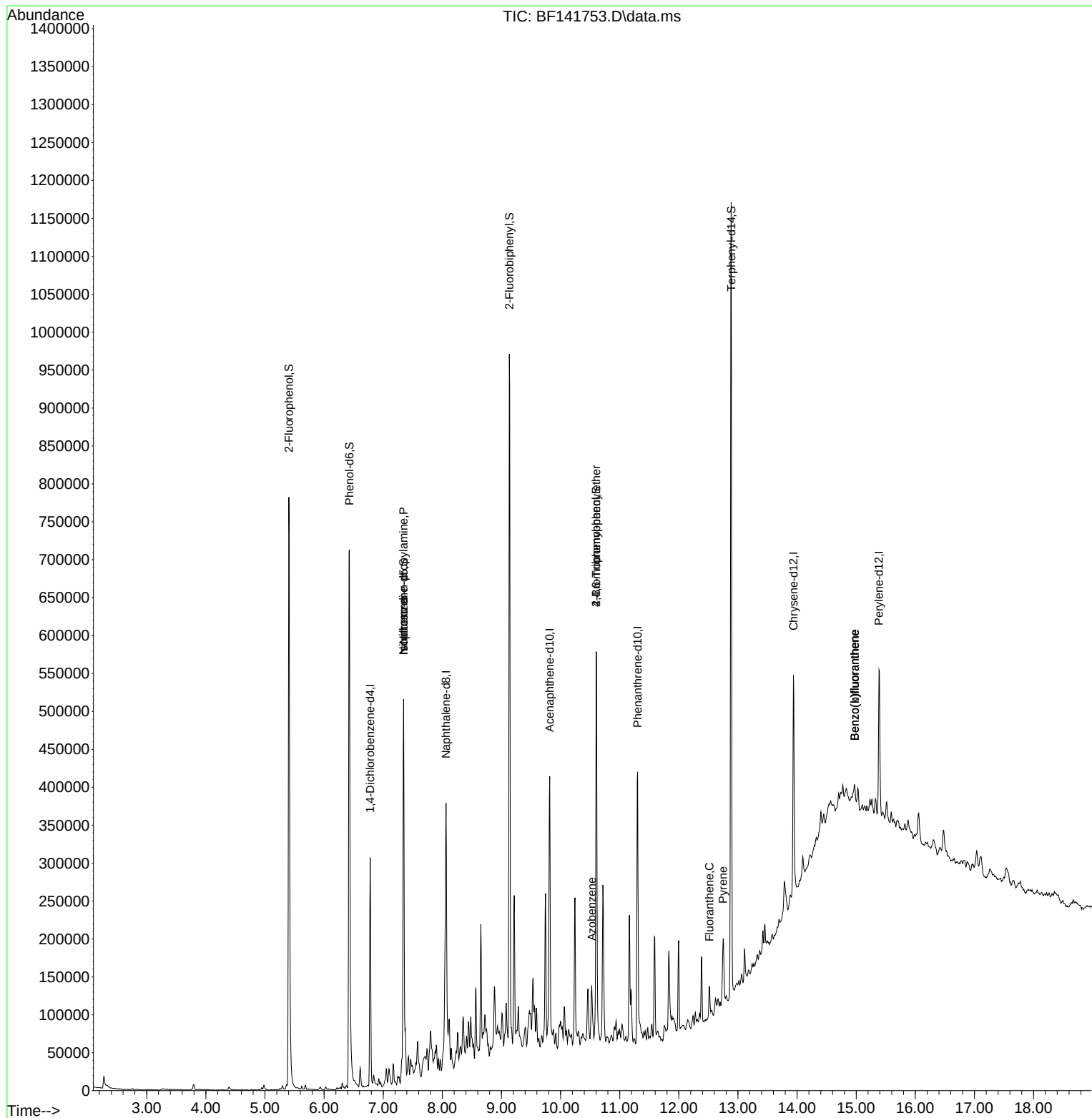
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	62402	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	214694	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	105394	20.000	ng	-0.02
64) Phenanthrene-d10	11.304	188	194118	20.000	ng	-0.01
76) Chrysene-d12	13.939	240	142153	20.000	ng	-0.02
86) Perylene-d12	15.386	264	109307	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	338843	85.128	ng	0.00
7) Phenol-d6	6.428	99	389435	77.409	ng	-0.01
23) Nitrobenzene-d5	7.345	82	231463	56.232	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	87712	82.846	ng	-0.02
45) 2-Fluorobiphenyl	9.133	172	417447	61.022	ng	-0.02
79) Terphenyl-d14	12.886	244	527672	62.665	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.345	70	31264	10.389	ng	# 74
25) Isophorone	7.345	82	218888	33.351	ng	# 66
63) Azobenzene	10.528	77	18511	2.645	ng	# 1
67) 4-Bromophenyl-phenylether	10.604	248	6083	2.804	ng	# 1
75) Fluoranthene	12.516	202	23518	2.076	ng	94
78) Pyrene	12.745	202	29438	2.433	ng	96
88) Benzo(b)fluoranthene	14.974	252	18010	2.454	ng	# 52
89) Benzo(k)fluoranthene	14.974	252	17668	2.819	ng	# 53

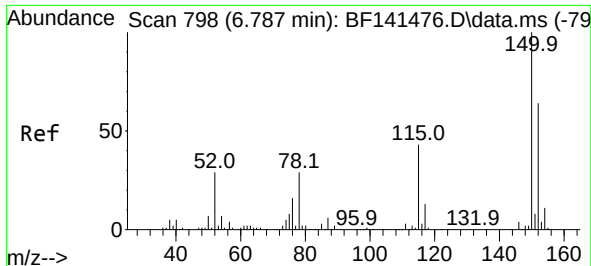
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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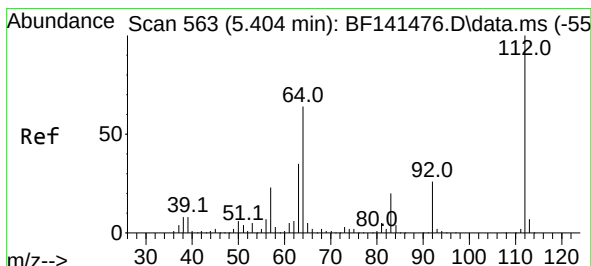
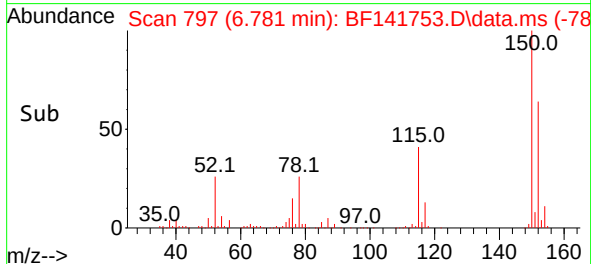
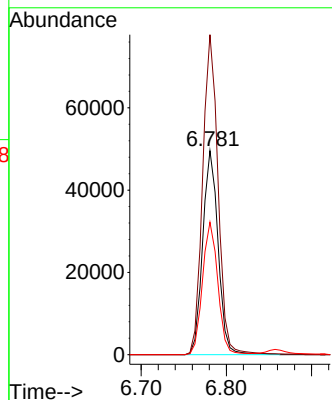
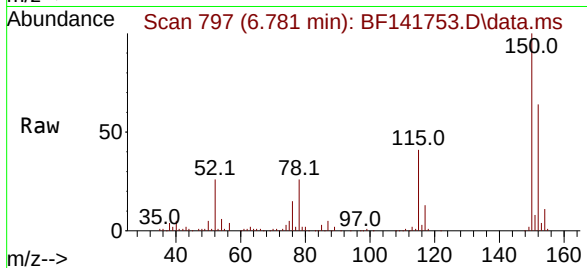




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.781 min Scan# 798
 Delta R.T. -0.011 min
 Lab File: BF141753.D
 Acq: 24 Feb 2025 19:35

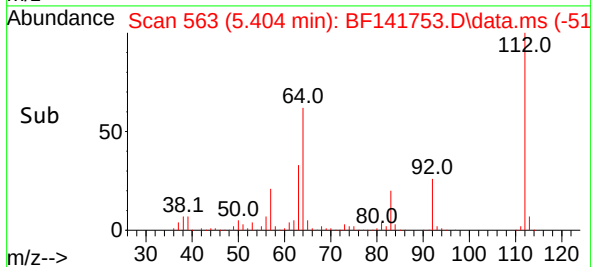
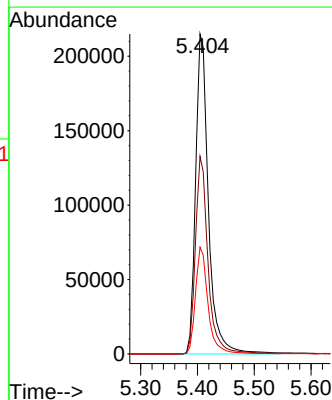
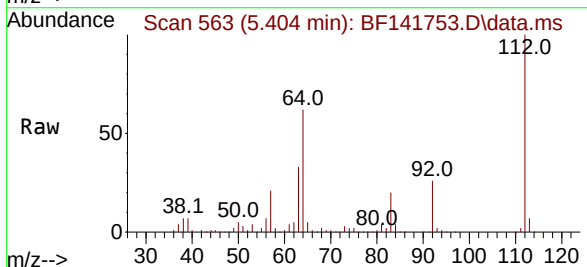
Instrument :
 BNA_F
 ClientSampleId :
 HR-02-02212025

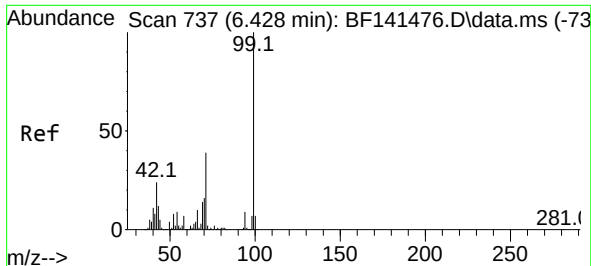
Tgt Ion:152 Resp: 62402
 Ion Ratio Lower Upper
 152 100
 150 156.8 125.0 187.4
 115 64.9 53.6 80.4



#5
 2-Fluorophenol
 Concen: 85.128 ng
 RT: 5.404 min Scan# 563
 Delta R.T. -0.006 min
 Lab File: BF141753.D
 Acq: 24 Feb 2025 19:35

Tgt Ion:112 Resp: 338843
 Ion Ratio Lower Upper
 112 100
 64 61.8 51.1 76.7
 63 33.3 28.4 42.6

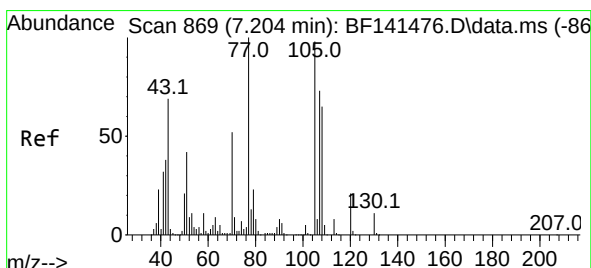
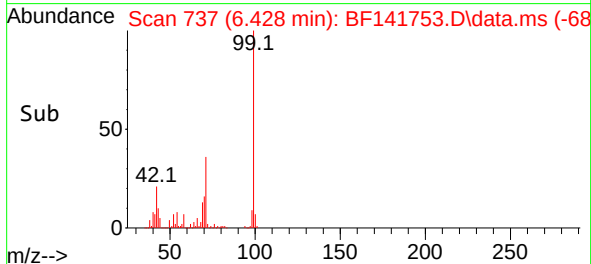
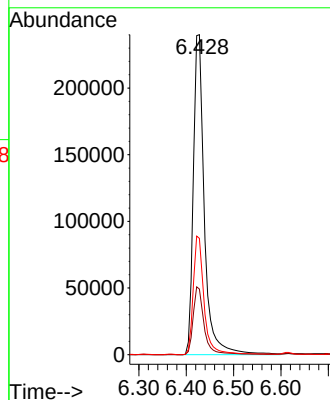
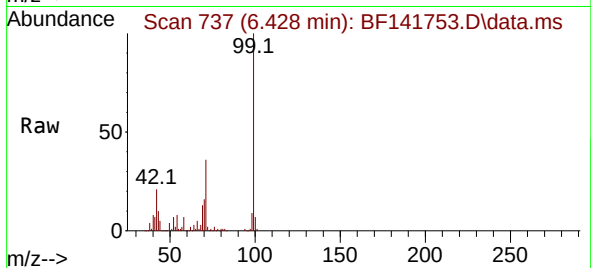




#7
Phenol-d6
Concen: 77.409 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141753.D
Acq: 24 Feb 2025 19:35

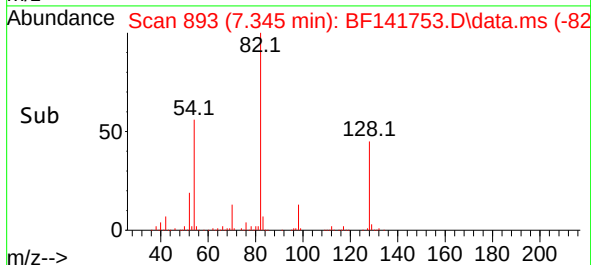
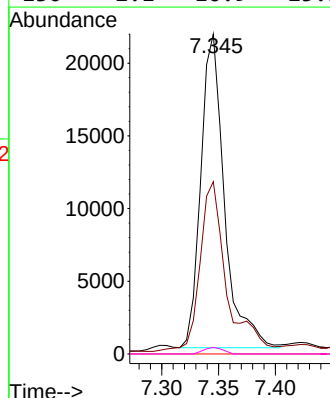
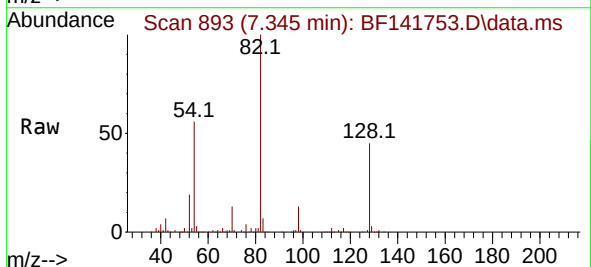
Instrument :
BNA_F
ClientSampleId :
HR-02-02212025

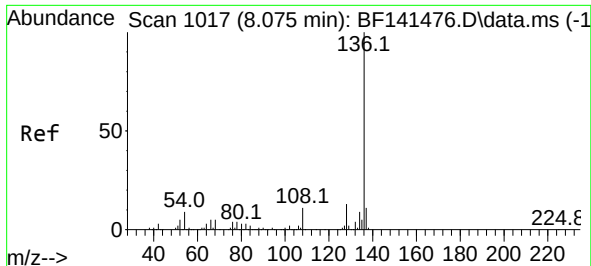
Tgt Ion: 99 Resp: 389435
Ion Ratio Lower Upper
99 100
42 20.5 19.1 28.7
71 36.4 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 10.389 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.130 min
Lab File: BF141753.D
Acq: 24 Feb 2025 19:35

Tgt Ion: 70 Resp: 31264
Ion Ratio Lower Upper
70 100
42 53.8 57.4 86.2#
101 0.0 8.0 12.0#
130 2.1 16.9 25.3#

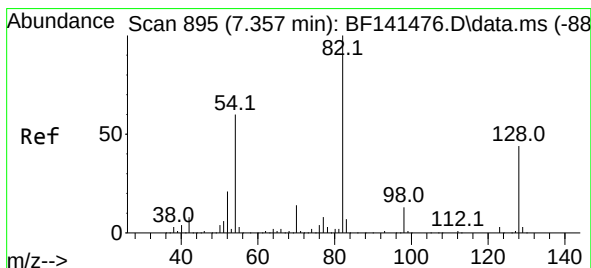
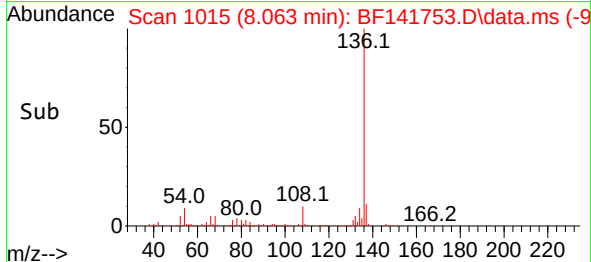
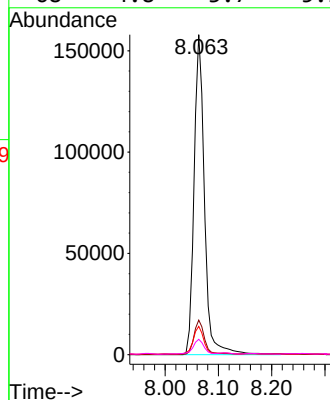
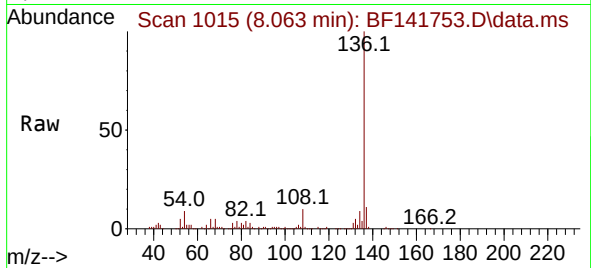




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141753.D
Acq: 24 Feb 2025 19:35

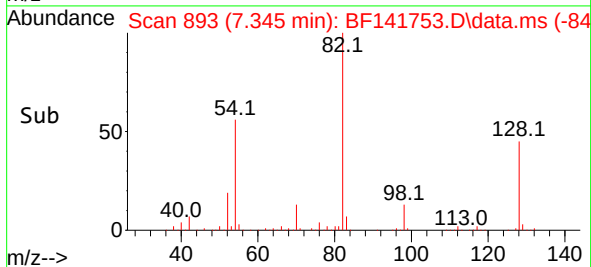
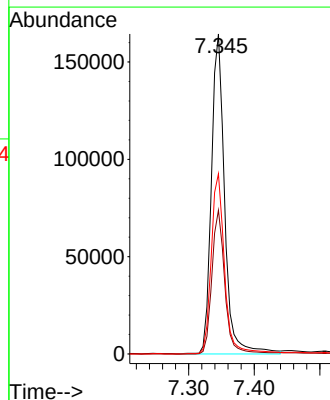
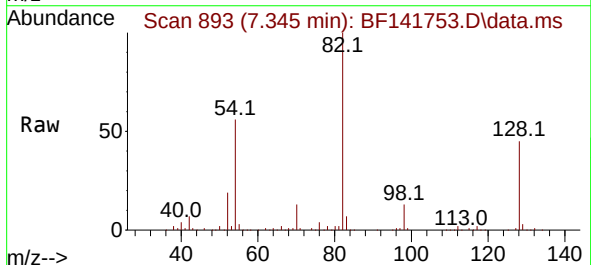
Instrument :
BNA_F
ClientSampleId :
HR-02-02212025

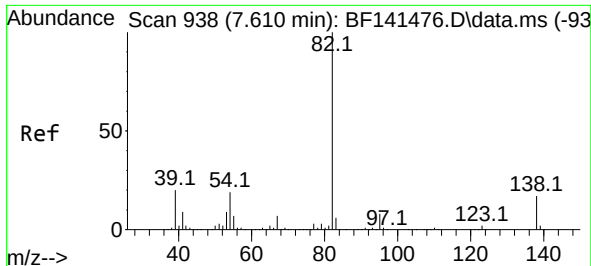
Tgt Ion:	136	Resp:	214694
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.8	7.2	10.8
68	4.8	3.7	5.5



#23
Nitrobenzene-d5
Concen: 56.232 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.018 min
Lab File: BF141753.D
Acq: 24 Feb 2025 19:35

Tgt Ion:	82	Resp:	231463
Ion	Ratio	Lower	Upper
82	100		
128	44.9	34.8	52.2
54	56.3	48.2	72.4

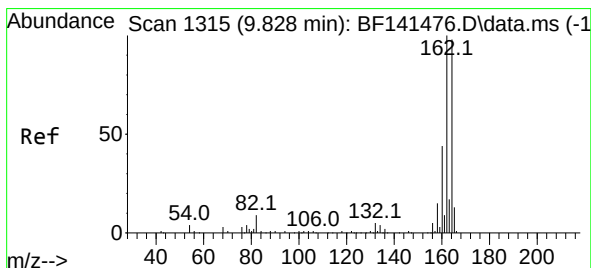
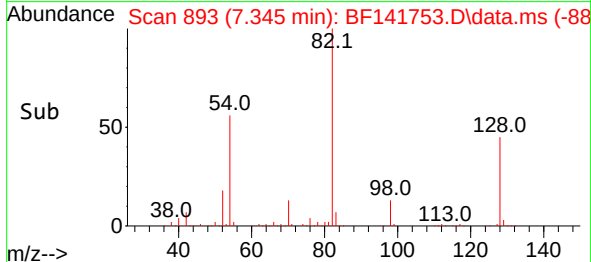
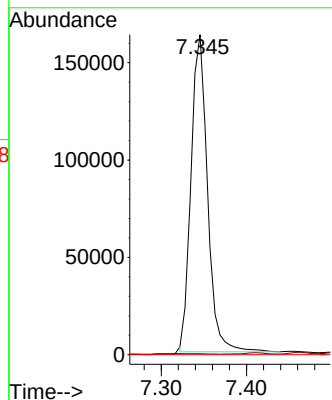
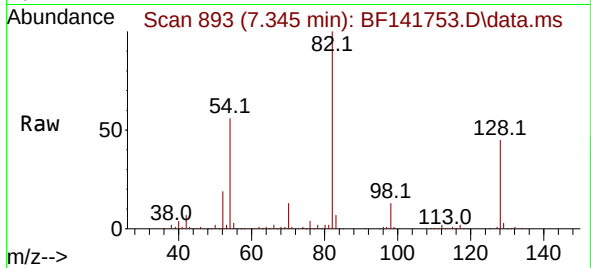




#25
Isophorone
Concen: 33.351 ng
RT: 7.345 min Scan# 89
Delta R.T. -0.276 min
Lab File: BF141753.D
Acq: 24 Feb 2025 19:35

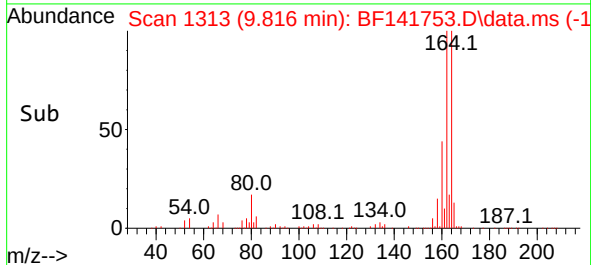
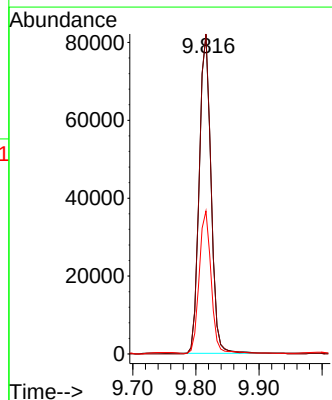
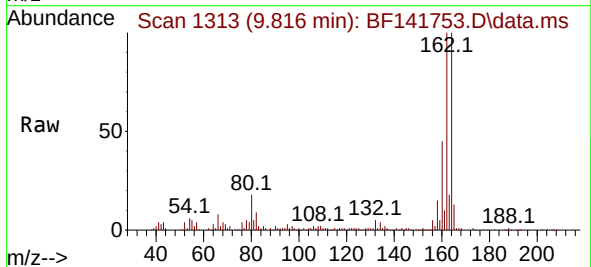
Instrument :
BNA_F
ClientSampleId :
HR-02-02212025

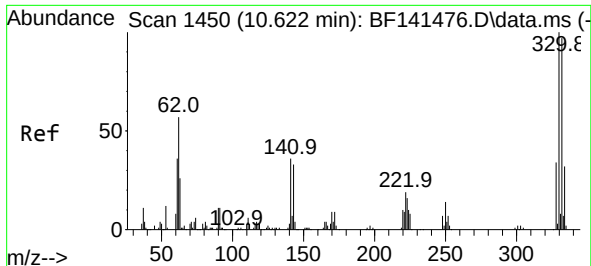
Tgt Ion: 82 Resp: 218888
Ion Ratio Lower Upper
82 100
95 0.3 6.4 9.6#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1313
Delta R.T. -0.018 min
Lab File: BF141753.D
Acq: 24 Feb 2025 19:35

Tgt Ion:164 Resp: 105394
Ion Ratio Lower Upper
164 100
162 100.4 81.3 121.9
160 44.9 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 82.846 ng

RT: 10.604 min Scan# 1447

Delta R.T. -0.023 min

Lab File: BF141753.D

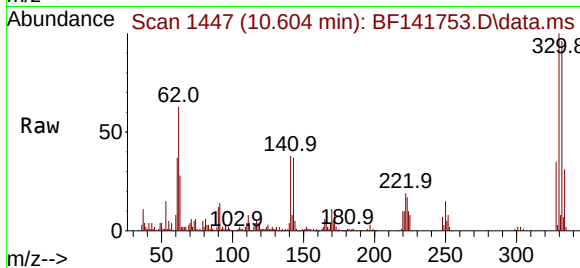
Acq: 24 Feb 2025 19:35

Instrument :

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ClientSampleId :

HR-02-02212025



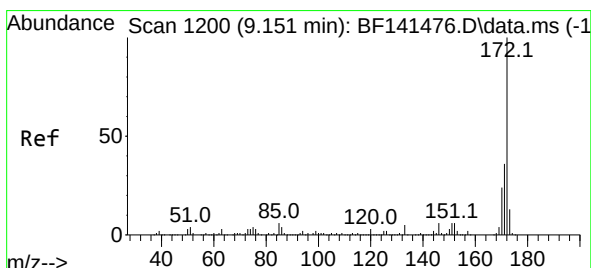
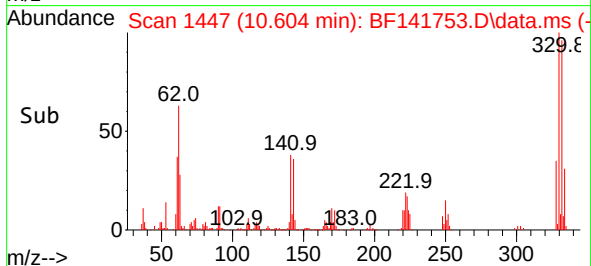
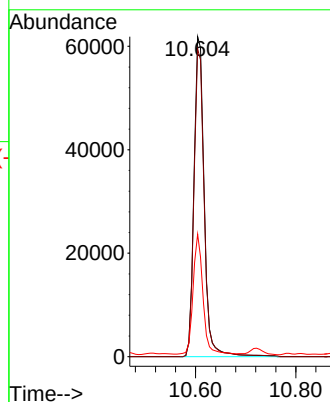
Tgt Ion:330 Resp: 87712

Ion Ratio Lower Upper

330 100

332 96.4 78.5 117.7

141 35.9 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 61.022 ng

RT: 9.133 min Scan# 1197

Delta R.T. -0.018 min

Lab File: BF141753.D

Acq: 24 Feb 2025 19:35

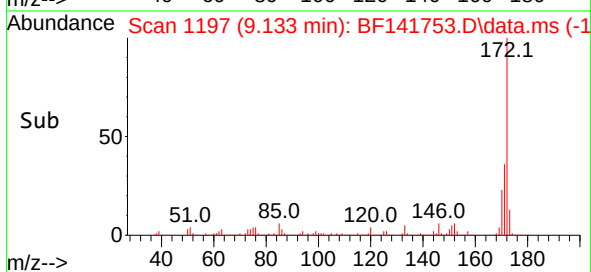
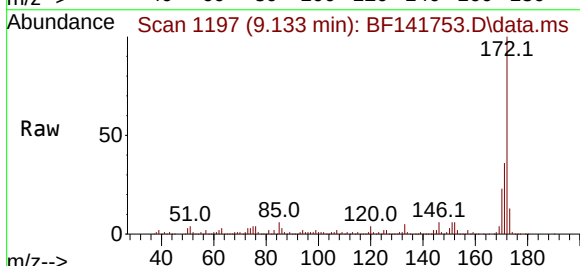
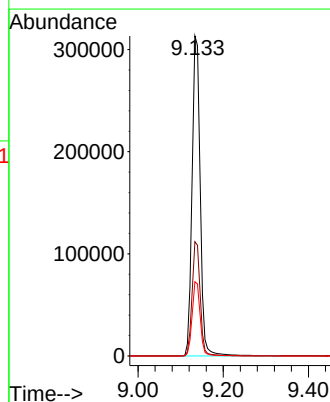
Tgt Ion:172 Resp: 417447

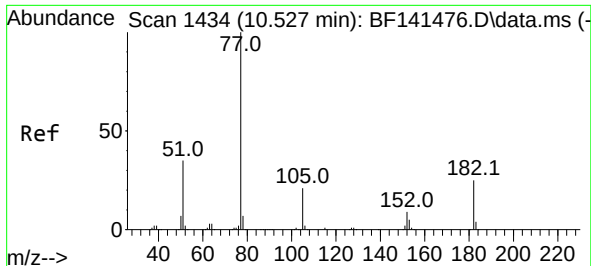
Ion Ratio Lower Upper

172 100

171 35.7 28.7 43.1

170 23.2 18.9 28.3

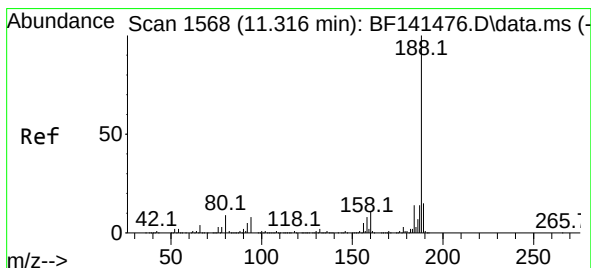
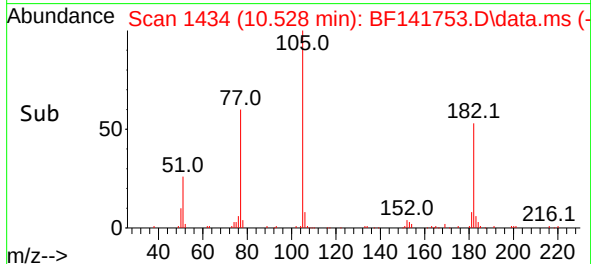
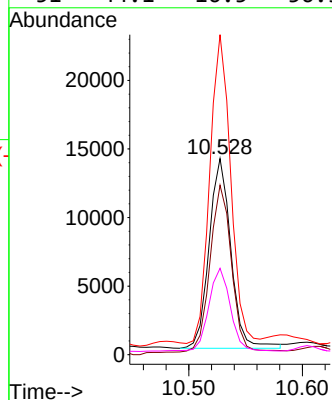
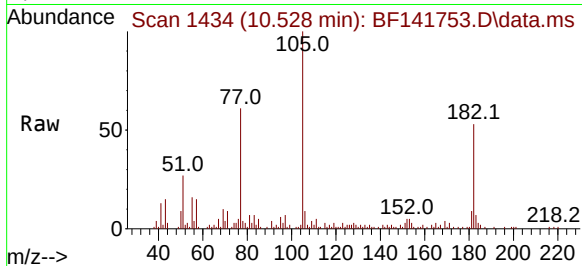




#63
Azobenzene
Concen: 2.645 ng
RT: 10.528 min Scan# 1434
Delta R.T. -0.006 min
Lab File: BF141753.D
Acq: 24 Feb 2025 19:35

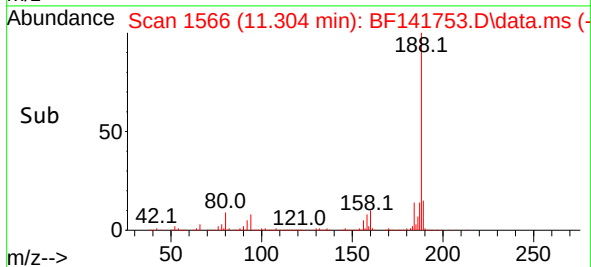
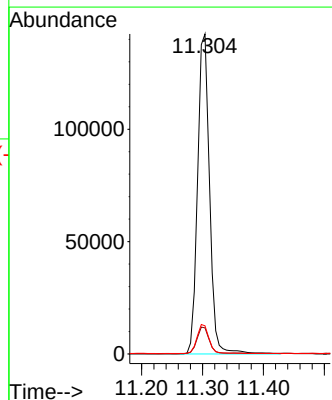
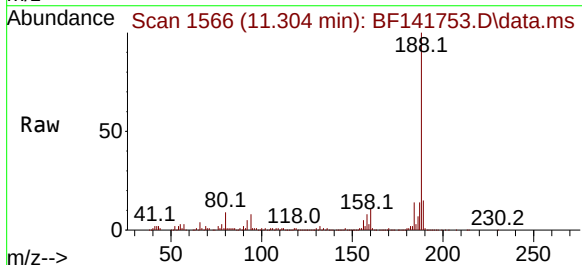
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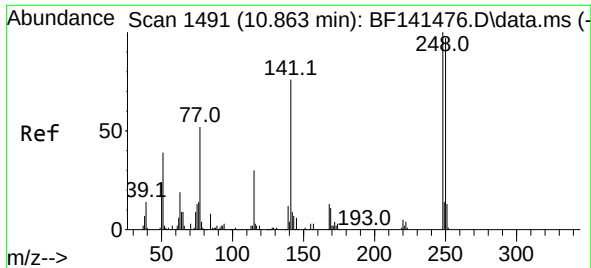
Tgt Ion: 77	Resp: 18511
Ion Ratio	Lower Upper
77 100	
182 86.4	4.7 44.7#
105 163.1	0.4 40.4#
51 44.1	16.5 56.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 1566
Delta R.T. -0.012 min
Lab File: BF141753.D
Acq: 24 Feb 2025 19:35

Tgt Ion: 188	Resp: 194118
Ion Ratio	Lower Upper
188 100	
94 8.2	6.6 10.0
80 8.8	7.3 10.9

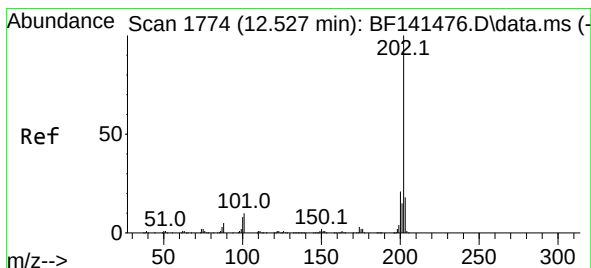
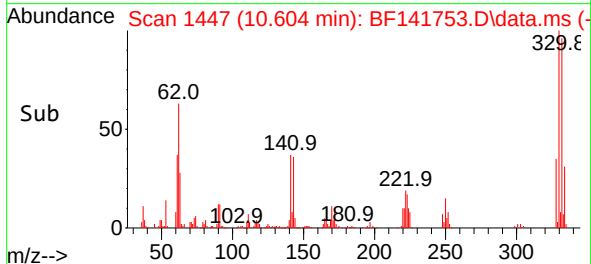
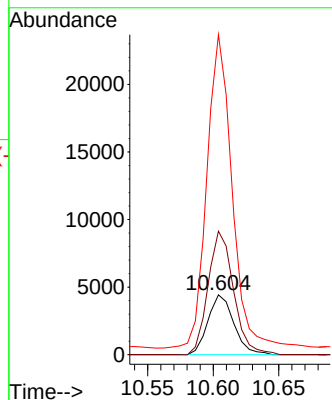
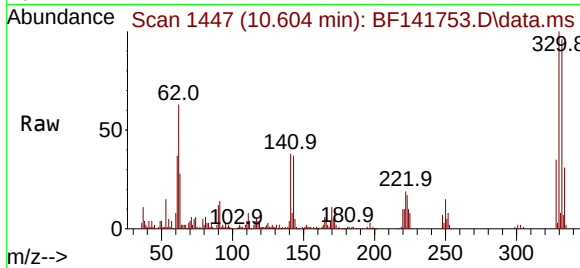




#67
4-Bromophenyl-phenylether
Concen: 2.804 ng
RT: 10.604 min Scan# 1491
Delta R.T. -0.259 min
Lab File: BF141753.D
Acq: 24 Feb 2025 19:35

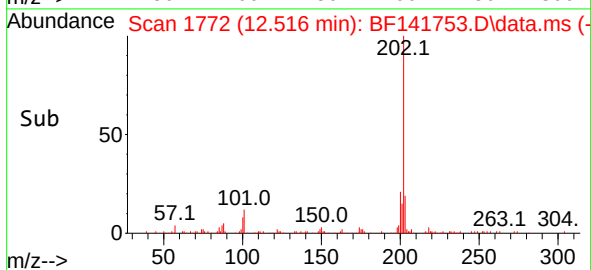
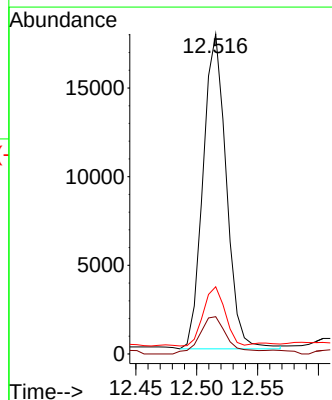
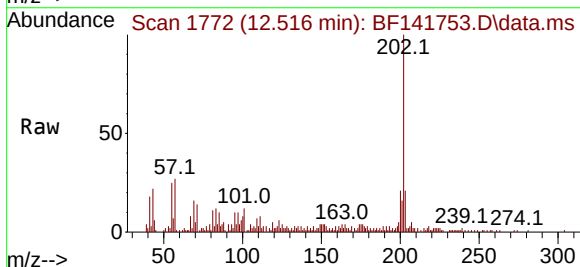
Instrument :
BNA_F
ClientSampleId :
HR-02-02212025

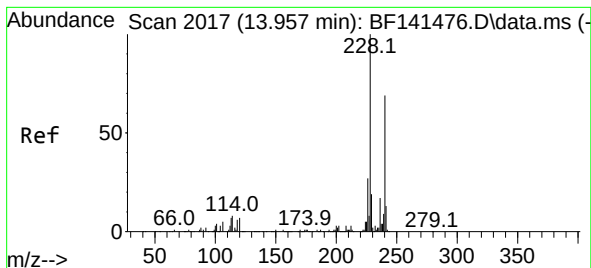
Tgt Ion:248 Resp: 6083
Ion Ratio Lower Upper
248 100
250 206.2 77.8 116.6#
141 534.2 60.6 90.8#



#75
Fluoranthene
Concen: 2.076 ng
RT: 12.516 min Scan# 1772
Delta R.T. -0.018 min
Lab File: BF141753.D
Acq: 24 Feb 2025 19:35

Tgt Ion:202 Resp: 23518
Ion Ratio Lower Upper
202 100
101 11.7 0.0 30.2
203 21.0 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.939 min Scan# 2014

Delta R.T. -0.023 min

Lab File: BF141753.D

Acq: 24 Feb 2025 19:35

Instrument :

BNA_F

ClientSampleId :

HR-02-02212025

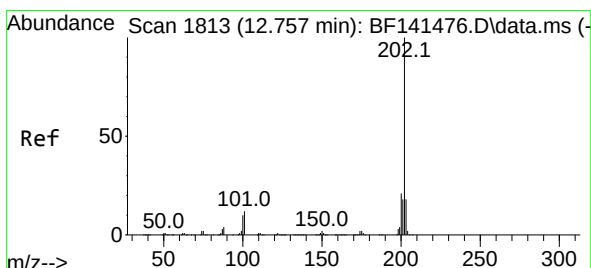
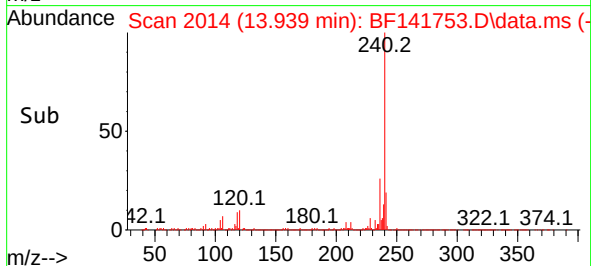
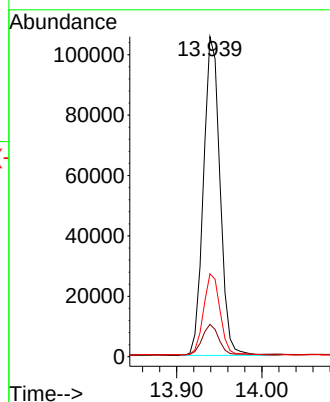
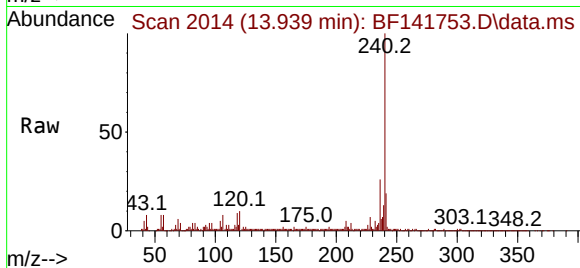
Tgt Ion:240 Resp: 142153

Ion Ratio Lower Upper

240 100

120 10.1 8.0 12.0

236 25.9 19.8 29.8



#78

Pyrene

Concen: 2.433 ng

RT: 12.745 min Scan# 1811

Delta R.T. -0.018 min

Lab File: BF141753.D

Acq: 24 Feb 2025 19:35

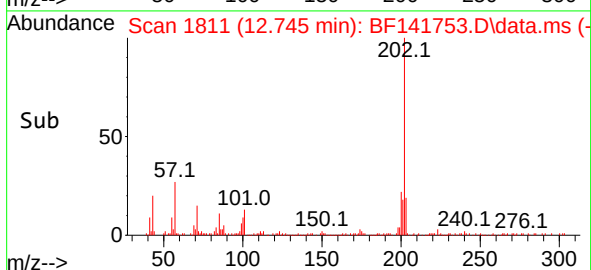
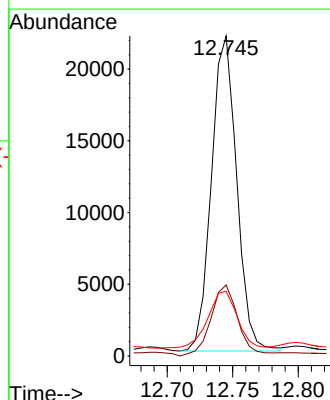
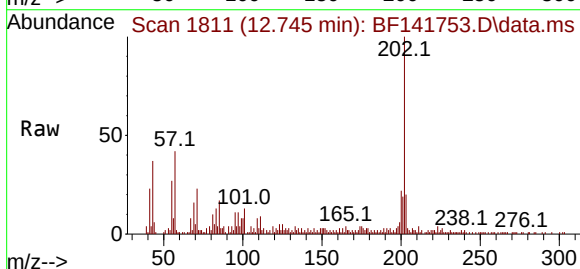
Tgt Ion:202 Resp: 29438

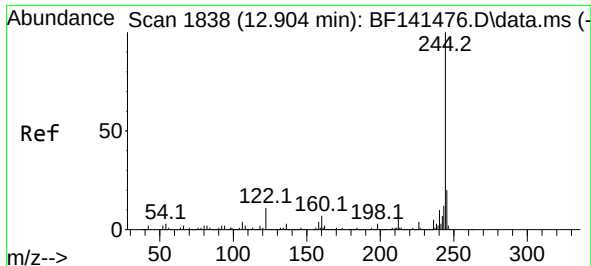
Ion Ratio Lower Upper

202 100

200 22.2 17.0 25.4

203 20.2 14.3 21.5

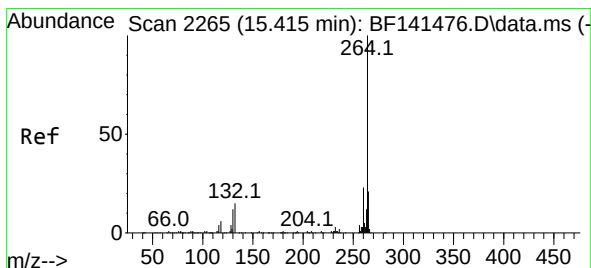
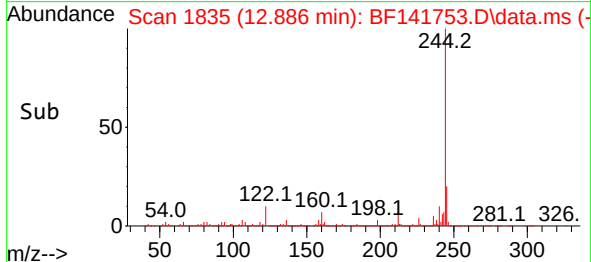
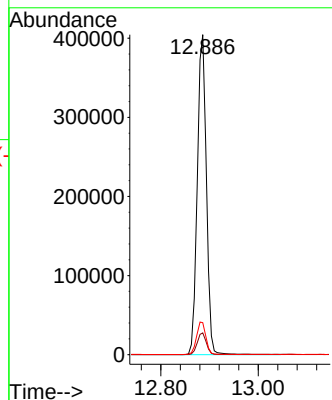
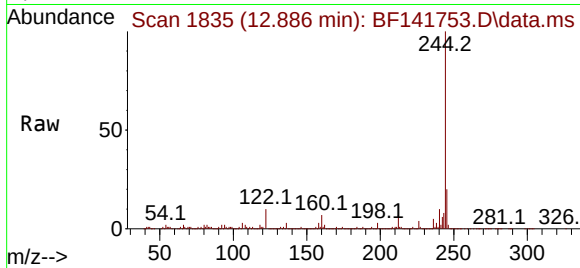




#79
 Terphenyl-d14
 Concen: 62.665 ng
 RT: 12.886 min Scan# 1835
 Delta R.T. -0.018 min
 Lab File: BF141753.D
 Acq: 24 Feb 2025 19:35

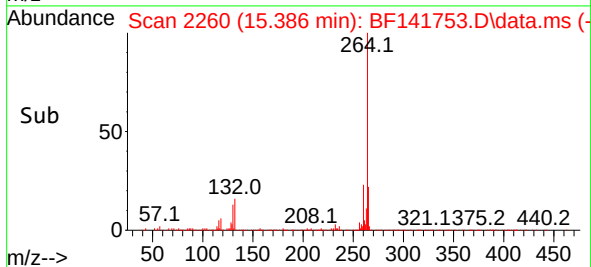
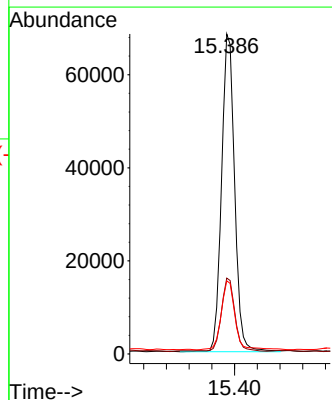
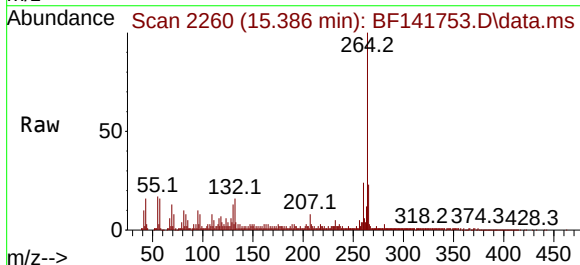
Instrument :
 BNA_F
 ClientSampleId :
 HR-02-02212025

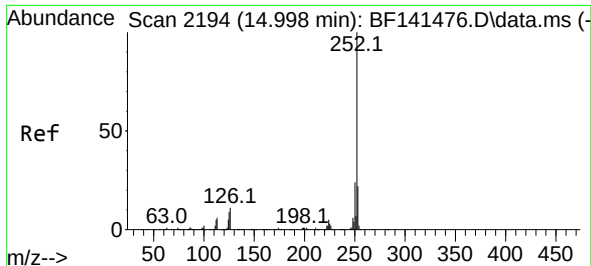
Tgt Ion:244 Resp: 527672
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 10.0 8.4 12.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.386 min Scan# 2260
 Delta R.T. -0.029 min
 Lab File: BF141753.D
 Acq: 24 Feb 2025 19:35

Tgt Ion:264 Resp: 109307
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.6 28.0
 265 22.8 17.0 25.4

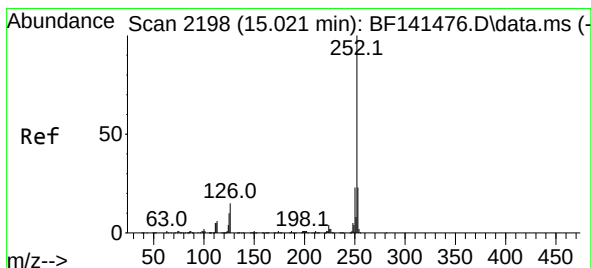
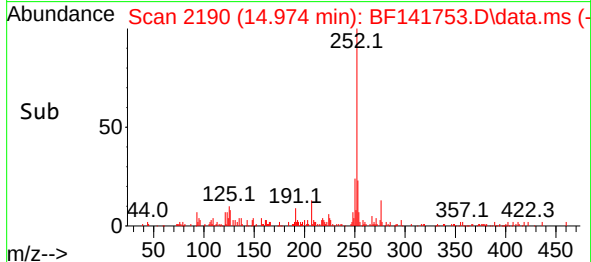
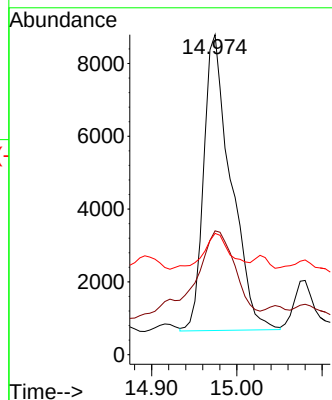
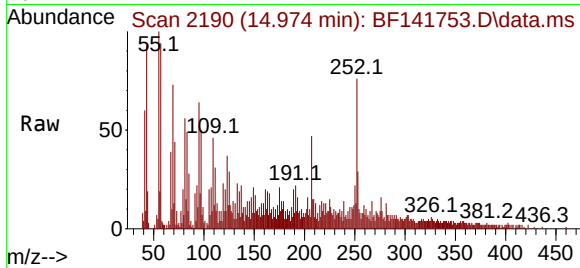




#88
Benzo(b)fluoranthene
Concen: 2.454 ng
RT: 14.974 min Scan# 2190
Delta R.T. -0.029 min
Lab File: BF141753.D
Acq: 24 Feb 2025 19:35

Instrument :
BNA_F
ClientSampleId :
HR-02-02212025

Tgt Ion:252 Resp: 18010
Ion Ratio Lower Upper
252 100
253 38.7 17.5 26.3#
125 37.9 7.0 10.6#



#89
Benzo(k)fluoranthene
Concen: 2.819 ng
RT: 14.974 min Scan# 2190
Delta R.T. -0.059 min
Lab File: BF141753.D
Acq: 24 Feb 2025 19:35

Tgt Ion:252 Resp: 17668
Ion Ratio Lower Upper
252 100
253 38.7 18.0 27.0#
125 37.9 7.4 11.0#

