

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020625\
 Data File : BF141493.D
 Acq On : 06 Feb 2025 21:03
 Operator : RC/JU
 Sample : Q1309-21
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-8

Quant Time: Feb 07 01:56:39 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)

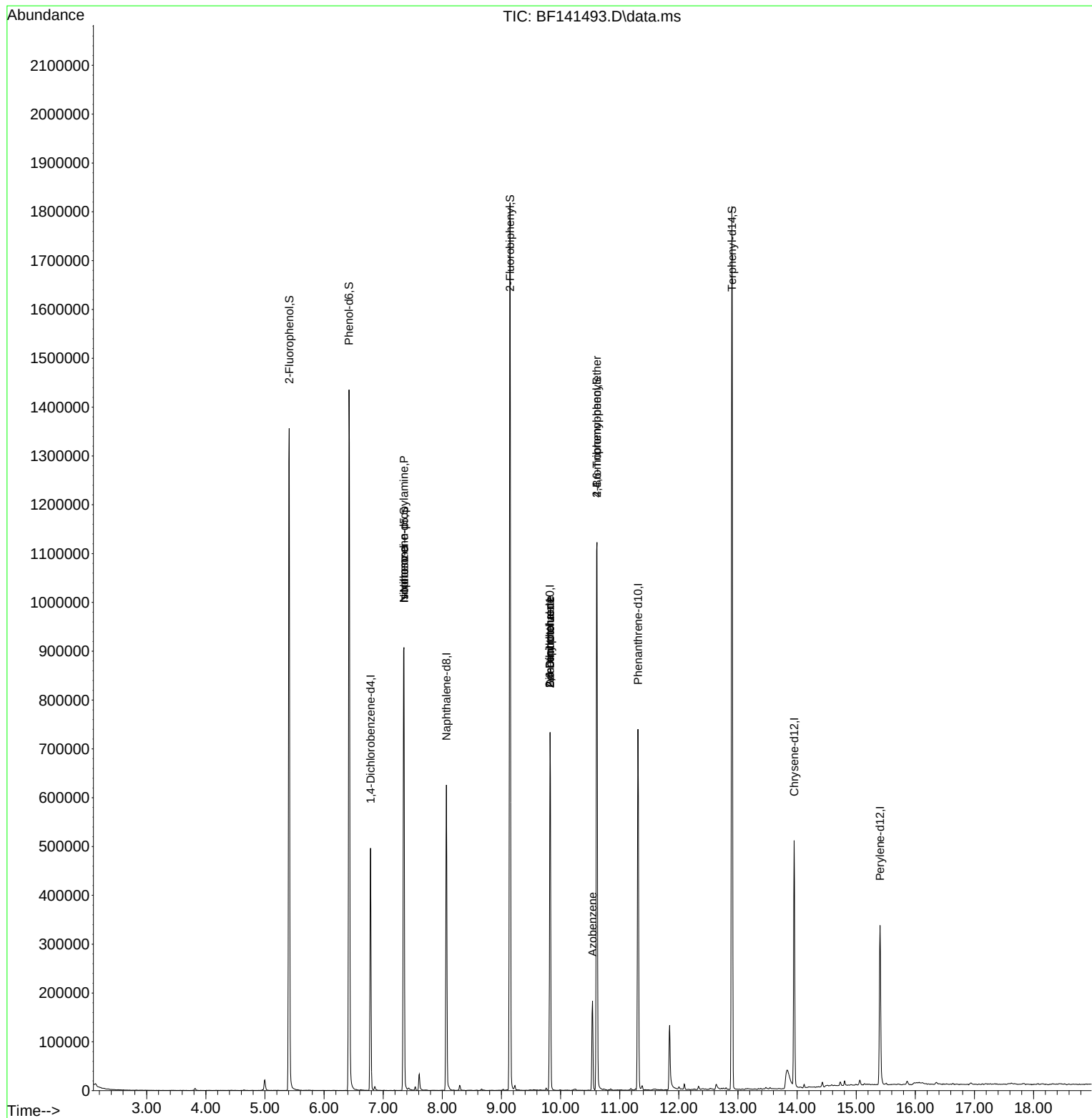
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	99563	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	394238	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	220506	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	375126	20.000	ng	0.00
76) Chrysene-d12	13.951	240	244184	20.000	ng	-0.01
86) Perylene-d12	15.404	264	191907	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	495659	78.048	ng	0.00
7) Phenol-d6	6.422	99	625378	77.911	ng	-0.02
23) Nitrobenzene-d5	7.351	82	418636	55.386	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	183492	82.838	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	797355	55.710	ng	0.00
79) Terphenyl-d14	12.898	244	897615	62.057	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.351	70	57048	11.882	ng	# 75
25) Isophorone	7.351	82	406369	33.719	ng	# 66
50) Dimethylphthalate	9.822	163	31389	2.097	ng	# 1
51) 2,6-Dinitrotoluene	9.822	165	28699	8.770	ng	# 22
57) 2,4-Dinitrotoluene	9.822	165	28699	6.588	ng	# 18
63) Azobenzene	10.539	77	45945	3.138	ng	# 1
67) 4-Bromophenyl-phenylether	10.616	248	12737	3.038	ng	# 1

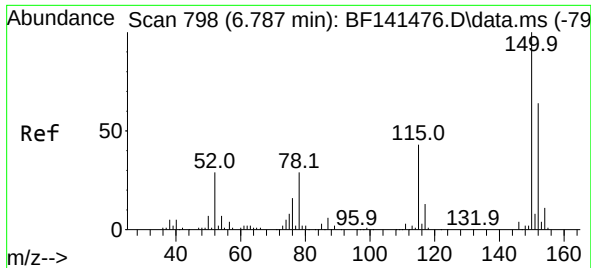
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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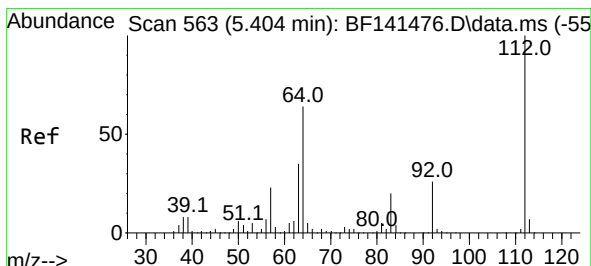
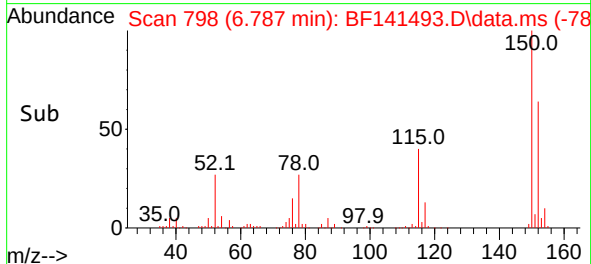
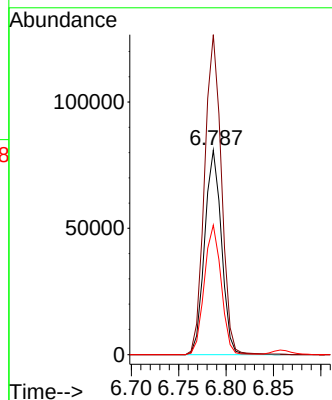
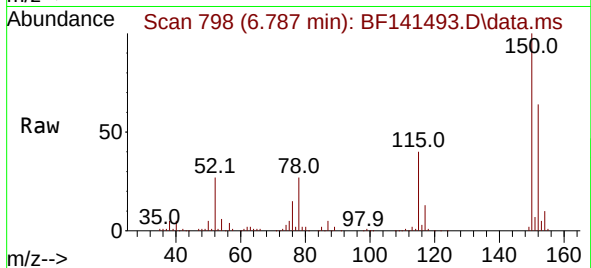




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.787 min Scan# 798
 Delta R.T. -0.005 min
 Lab File: BF141493.D
 Acq: 06 Feb 2025 21:03

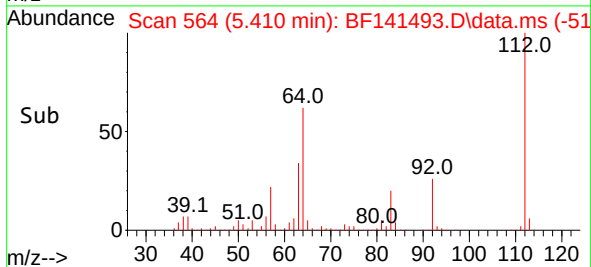
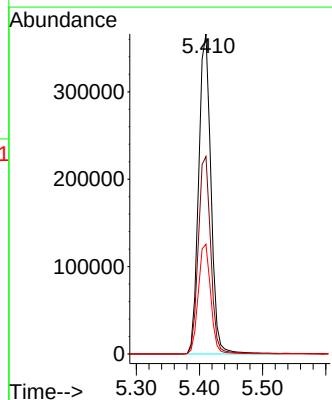
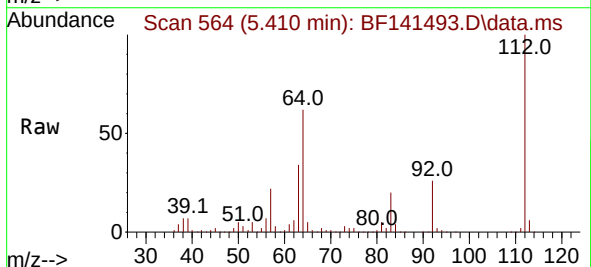
Instrument :
 BNA_F
 ClientSampleId :
 WC-8

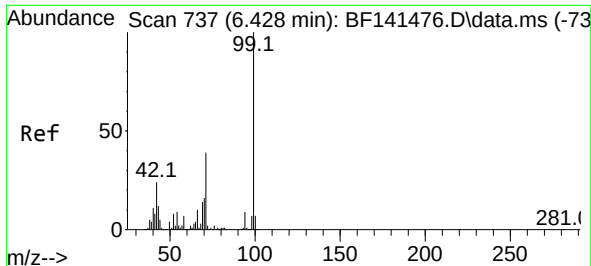
Tgt Ion:152 Resp: 99563
 Ion Ratio Lower Upper
 152 100
 150 156.5 125.0 187.4
 115 63.4 53.6 80.4



#5
 2-Fluorophenol
 Concen: 78.048 ng
 RT: 5.410 min Scan# 564
 Delta R.T. 0.000 min
 Lab File: BF141493.D
 Acq: 06 Feb 2025 21:03

Tgt Ion:112 Resp: 495659
 Ion Ratio Lower Upper
 112 100
 64 61.7 51.1 76.7
 63 34.3 28.4 42.6

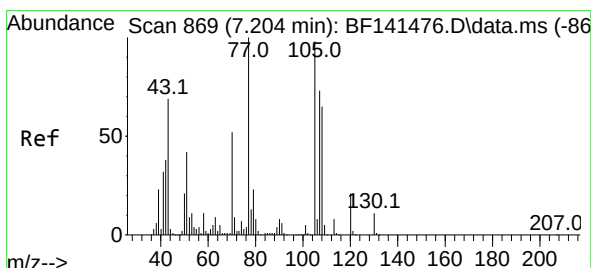
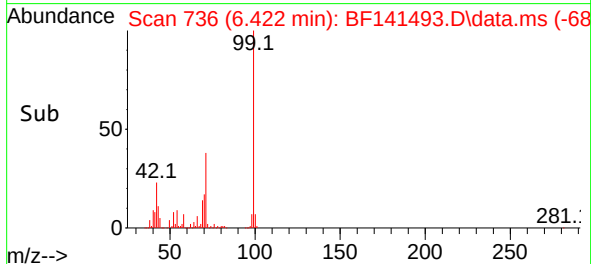
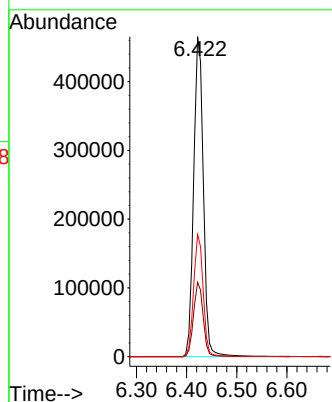
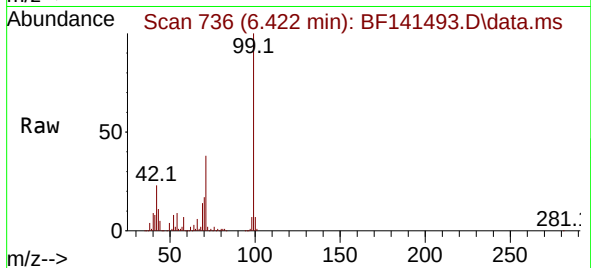




#7
Phenol-d6
Concen: 77.911 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF141493.D
Acq: 06 Feb 2025 21:03

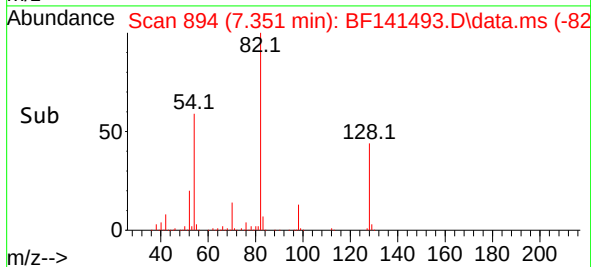
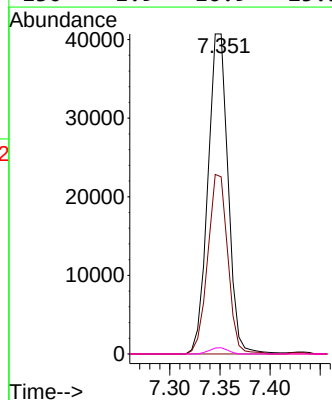
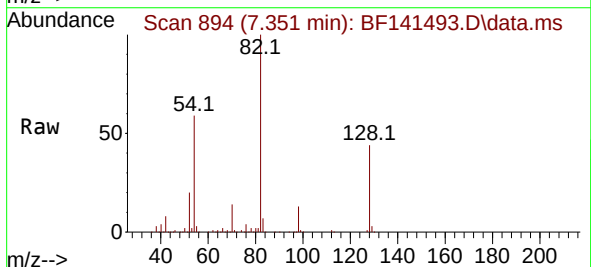
Instrument :
BNA_F
ClientSampleId :
WC-8

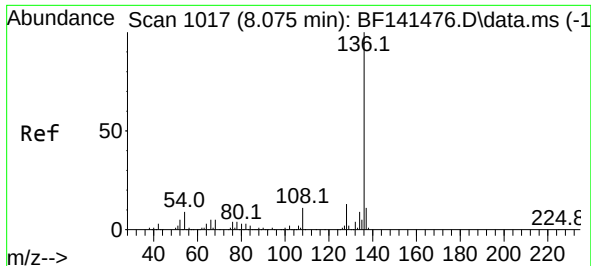
Tgt Ion: 99 Resp: 625378
Ion Ratio Lower Upper
99 100
42 23.3 19.1 28.7
71 38.2 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 11.882 ng
RT: 7.351 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF141493.D
Acq: 06 Feb 2025 21:03

Tgt Ion: 70 Resp: 57048
Ion Ratio Lower Upper
70 100
42 55.4 57.4 86.2#
101 0.0 8.0 12.0#
130 1.9 16.9 25.3#

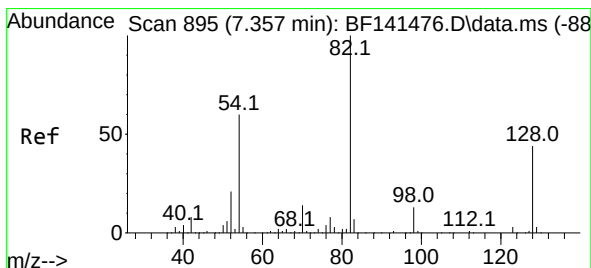
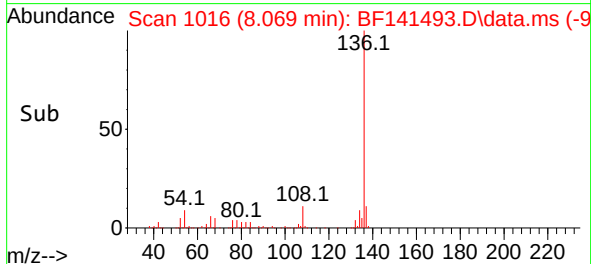
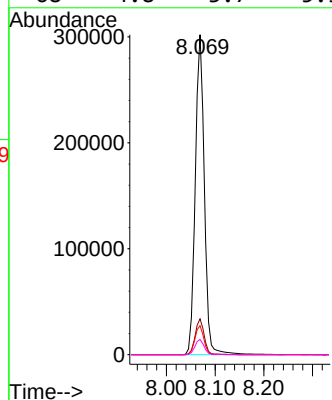
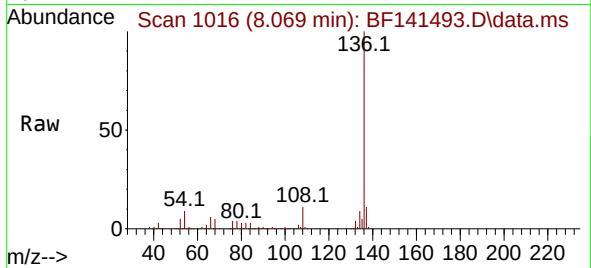




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF141493.D
Acq: 06 Feb 2025 21:03

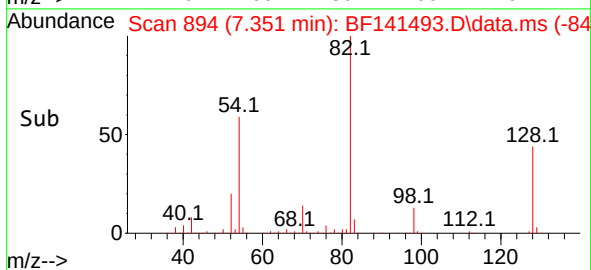
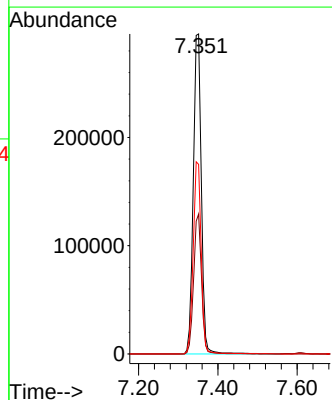
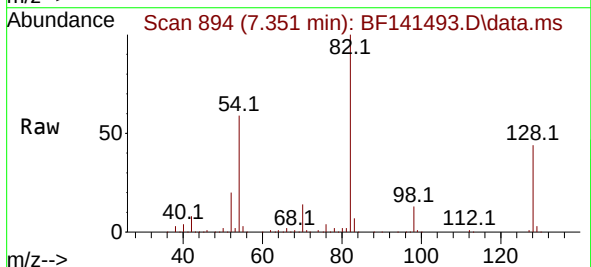
Instrument :
BNA_F
ClientSampleId :
WC-8

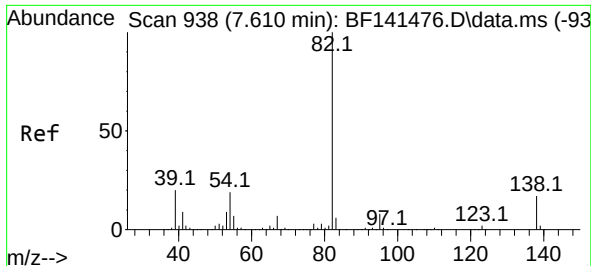
Tgt Ion:136 Resp: 394238
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 9.0 7.2 10.8
68 4.8 3.7 5.5



#23
Nitrobenzene-d5
Concen: 55.386 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF141493.D
Acq: 06 Feb 2025 21:03

Tgt Ion: 82 Resp: 418636
Ion Ratio Lower Upper
82 100
128 43.7 34.8 52.2
54 59.2 48.2 72.4

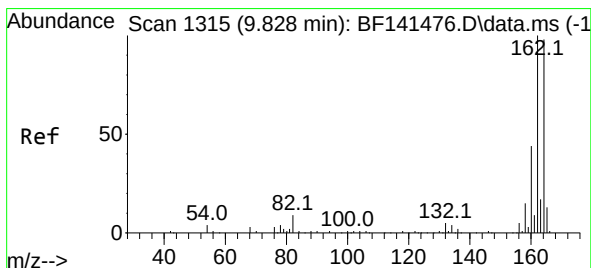
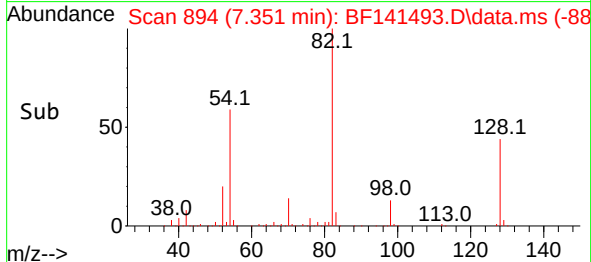
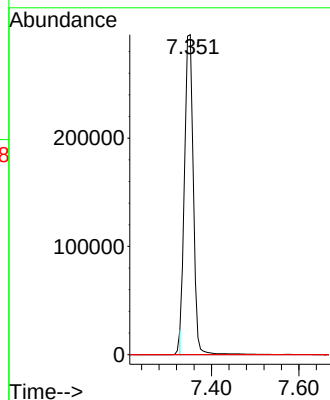
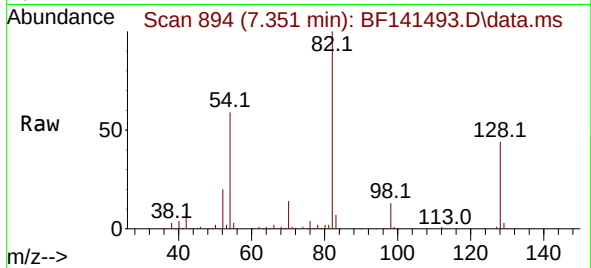




#25
Isophorone
Concen: 33.719 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.270 min
Lab File: BF141493.D
Acq: 06 Feb 2025 21:03

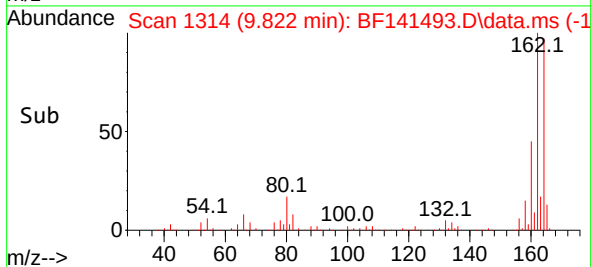
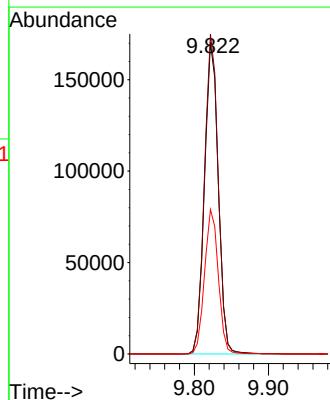
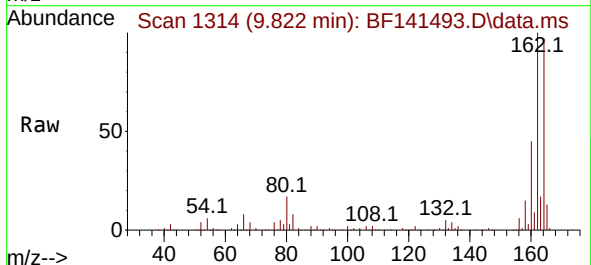
Instrument :
BNA_F
ClientSampleId :
WC-8

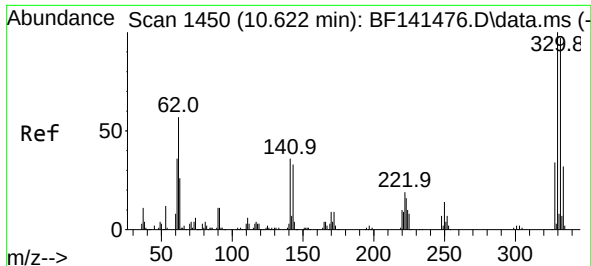
Tgt Ion: 82 Resp: 406369
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF141493.D
Acq: 06 Feb 2025 21:03

Tgt Ion: 164 Resp: 220506
Ion Ratio Lower Upper
164 100
162 102.8 81.3 121.9
160 46.4 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 82.838 ng

RT: 10.616 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF141493.D

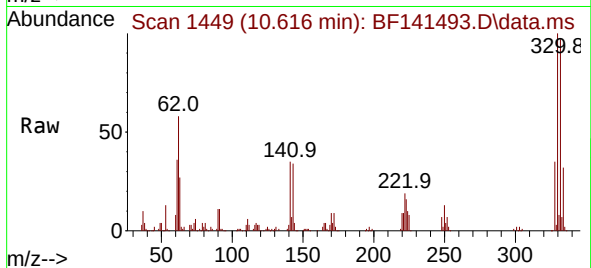
Acq: 06 Feb 2025 21:03

Instrument :

BNA_F

ClientSampleId :

WC-8



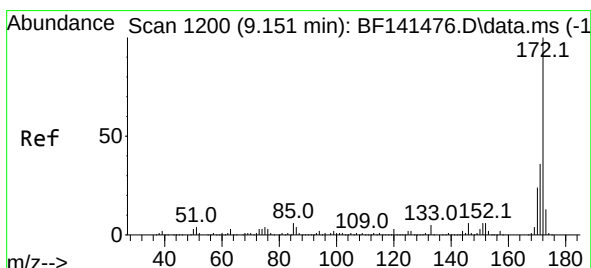
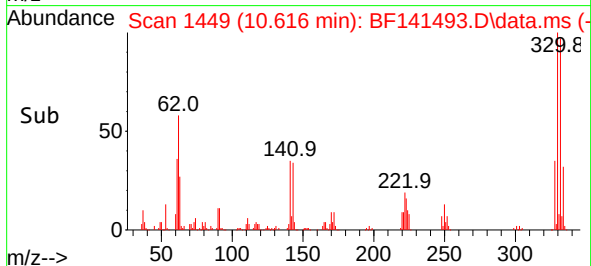
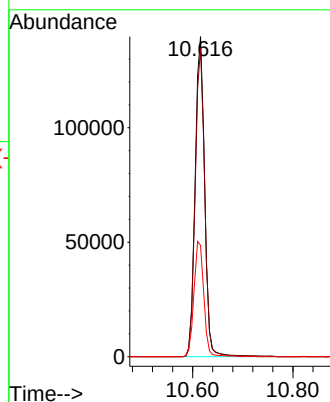
Tgt Ion:330 Resp: 183492

Ion Ratio Lower Upper

330 100

332 96.4 78.5 117.7

141 37.2 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 55.710 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF141493.D

Acq: 06 Feb 2025 21:03

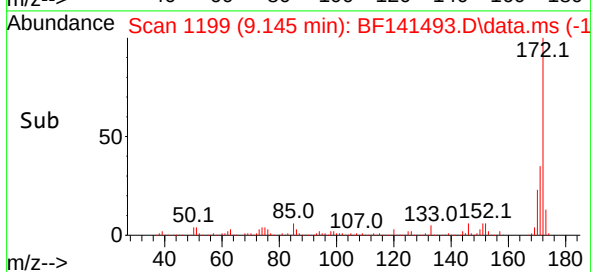
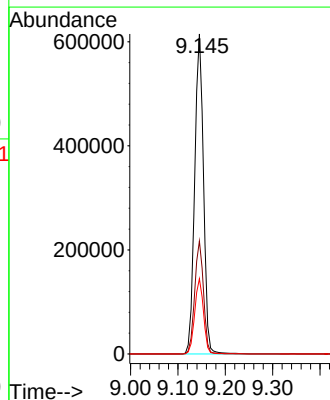
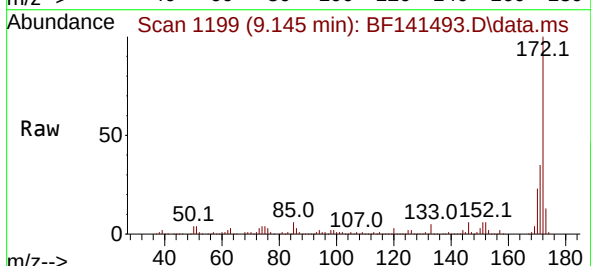
Tgt Ion:172 Resp: 797355

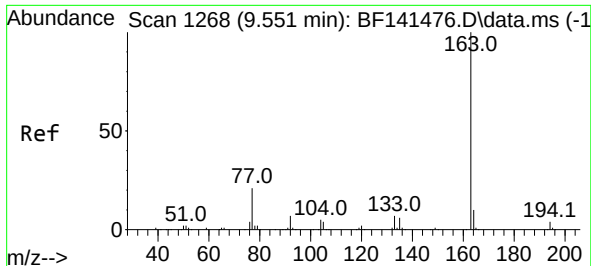
Ion Ratio Lower Upper

172 100

171 35.3 28.7 43.1

170 23.5 18.9 28.3

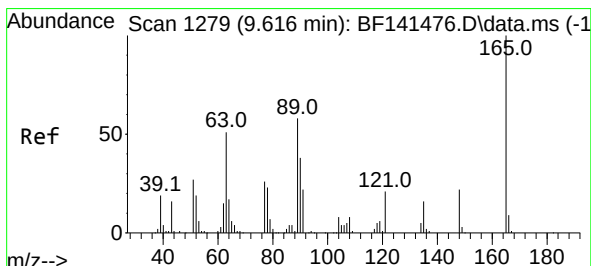
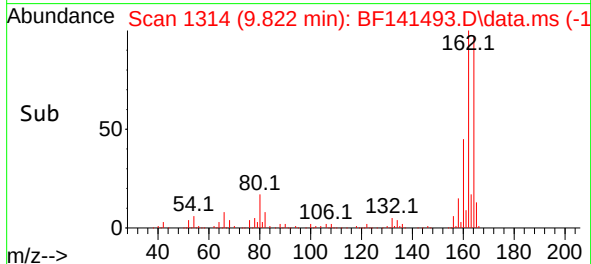
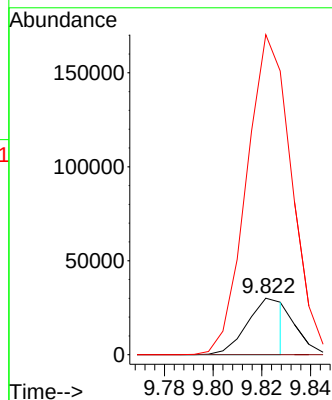
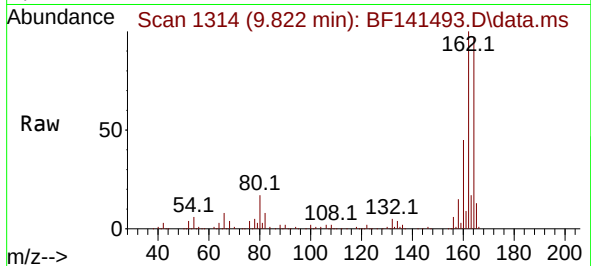




#50
Dimethylphthalate
Concen: 2.097 ng
RT: 9.822 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF141493.D
Acq: 06 Feb 2025 21:03

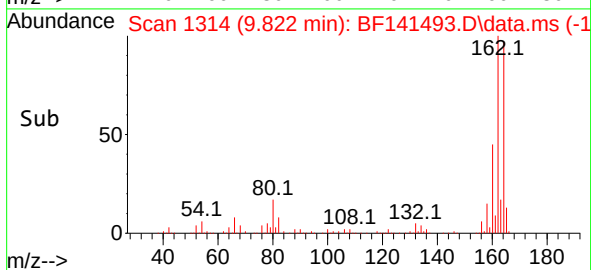
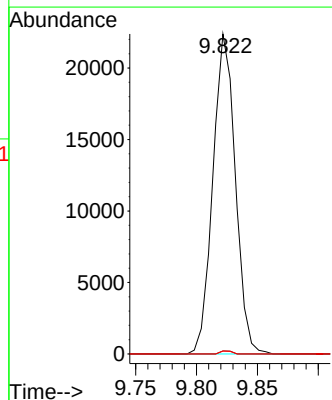
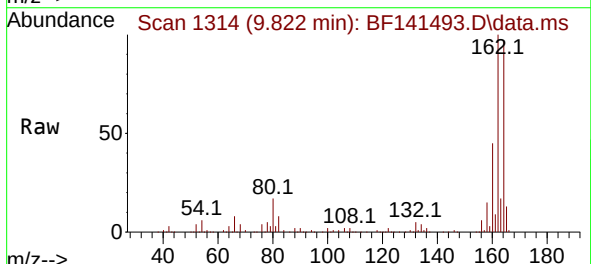
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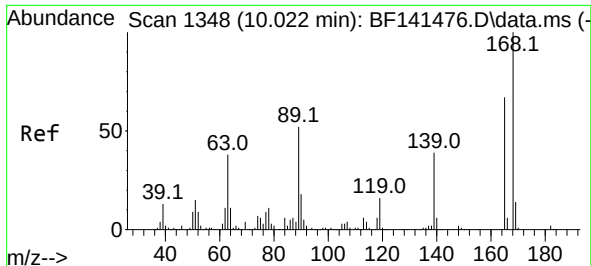
Tgt Ion:163 Resp: 31389
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.4#
164 566.9 7.9 11.9#



#51
2,6-Dinitrotoluene
Concen: 8.770 ng
RT: 9.822 min Scan# 1314
Delta R.T. 0.200 min
Lab File: BF141493.D
Acq: 06 Feb 2025 21:03

Tgt Ion:165 Resp: 28699
Ion Ratio Lower Upper
165 100
63 1.0 49.4 74.0#
89 0.9 46.5 69.7#

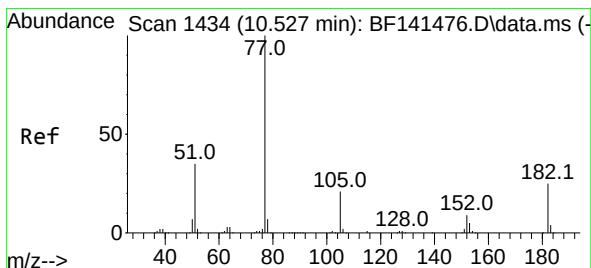
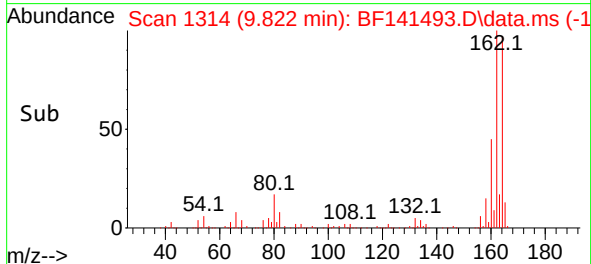
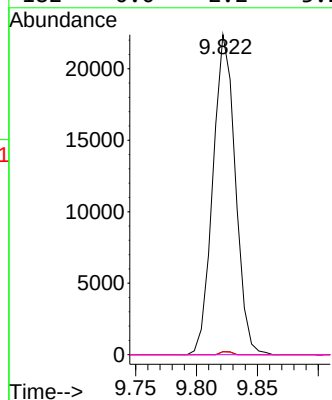
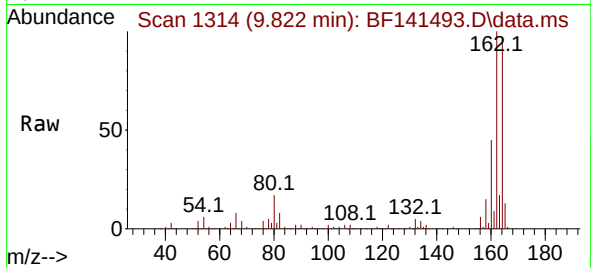




#57
2,4-Dinitrotoluene
Concen: 6.588 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF141493.D
Acq: 06 Feb 2025 21:03

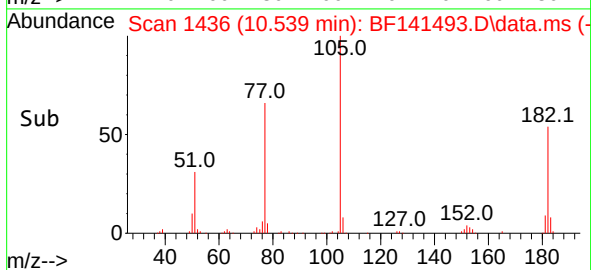
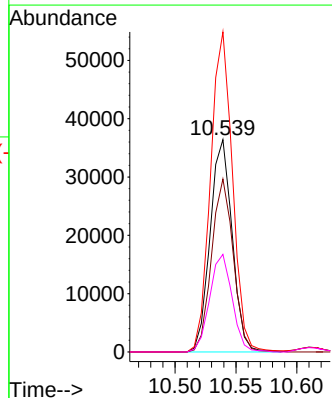
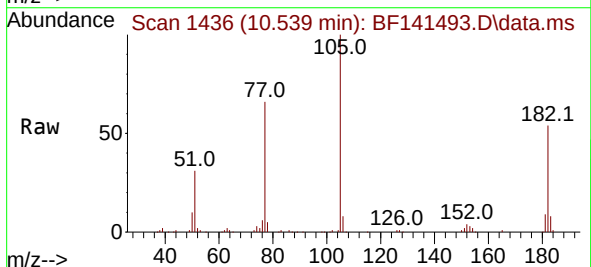
Instrument :
BNA_F
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WC-8

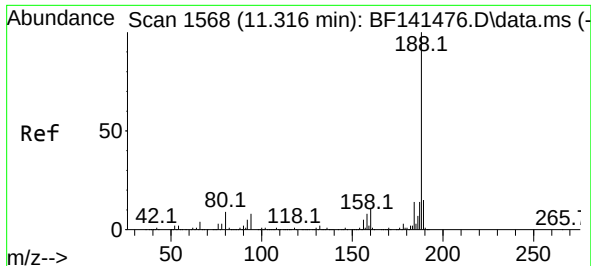
Tgt Ion:165 Resp: 28699
Ion Ratio Lower Upper
165 100
63 1.0 46.4 69.6#
89 0.9 61.8 92.6#
182 0.0 2.2 3.2#



#63
Azobenzene
Concen: 3.138 ng
RT: 10.539 min Scan# 1436
Delta R.T. 0.006 min
Lab File: BF141493.D
Acq: 06 Feb 2025 21:03

Tgt Ion: 77 Resp: 45945
Ion Ratio Lower Upper
77 100
182 81.5 4.7 44.7#
105 150.7 0.4 40.4#
51 46.0 16.5 56.5

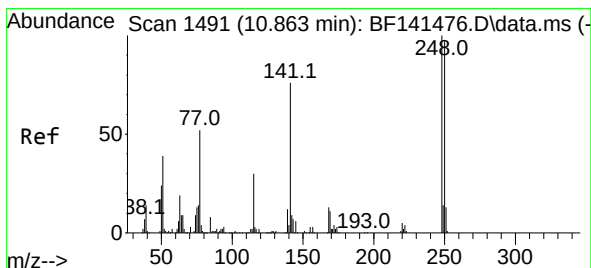
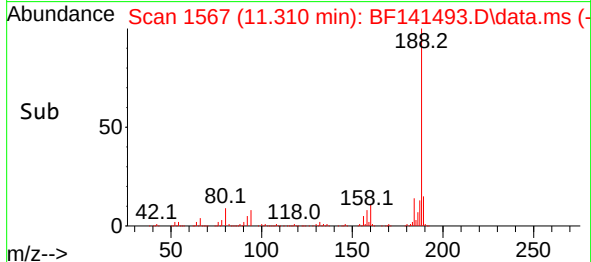
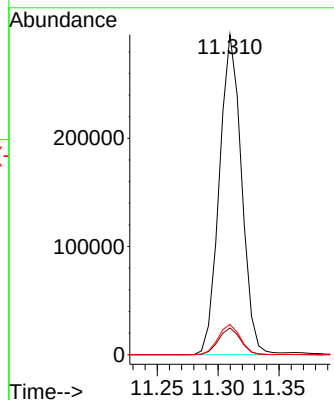
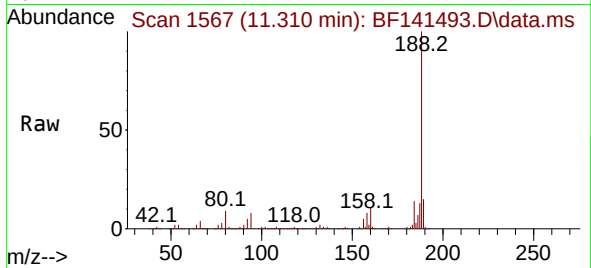




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141493.D
Acq: 06 Feb 2025 21:03

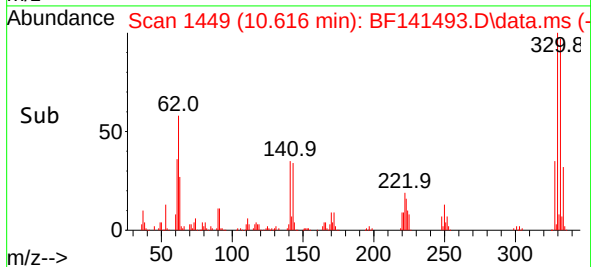
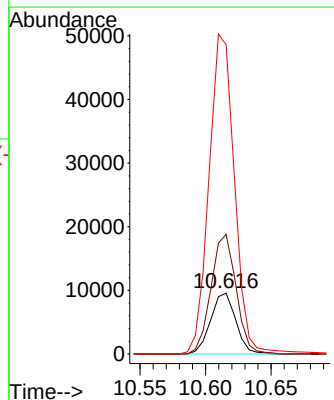
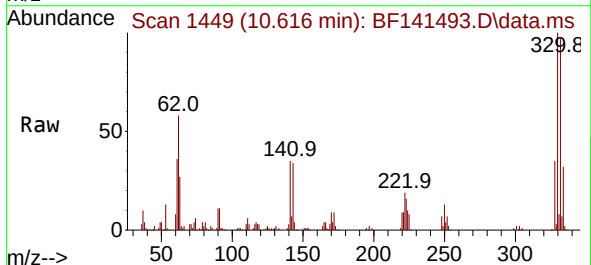
Instrument :
BNA_F
ClientSampleId :
WC-8

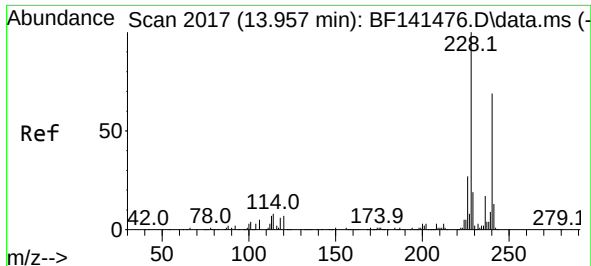
Tgt Ion:188 Resp: 375126
Ion Ratio Lower Upper
188 100
94 8.3 6.6 10.0
80 9.5 7.3 10.9



#67
4-Bromophenyl-phenylether
Concen: 3.038 ng
RT: 10.616 min Scan# 1449
Delta R.T. -0.247 min
Lab File: BF141493.D
Acq: 06 Feb 2025 21:03

Tgt Ion:248 Resp: 12737
Ion Ratio Lower Upper
248 100
250 196.8 77.8 116.6#
141 508.7 60.6 90.8#

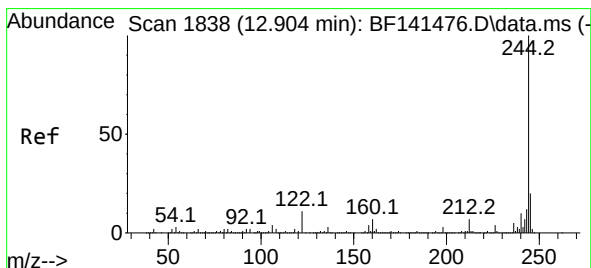
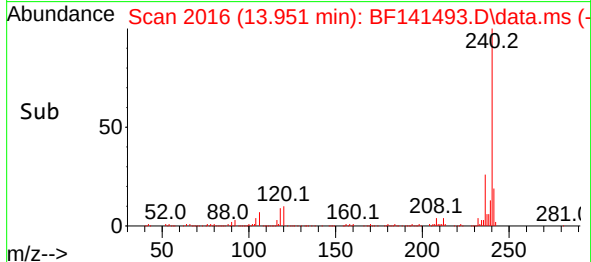
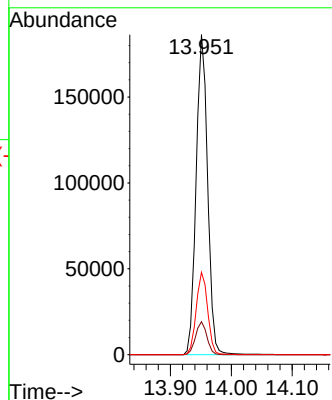
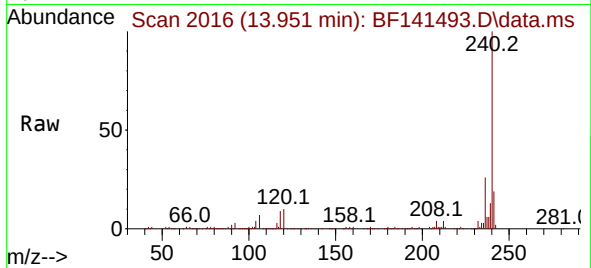




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 2017
Delta R.T. -0.012 min
Lab File: BF141493.D
Acq: 06 Feb 2025 21:03

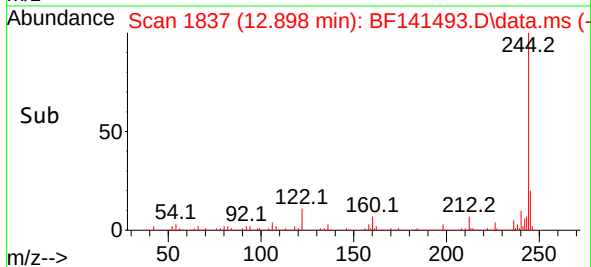
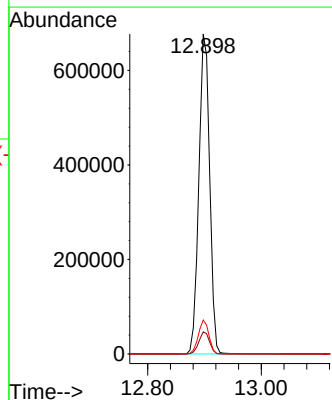
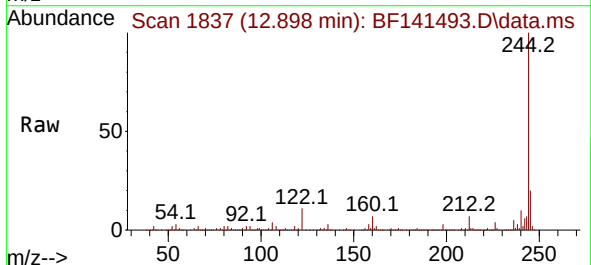
Instrument :
BNA_F
ClientSampleId :
WC-8

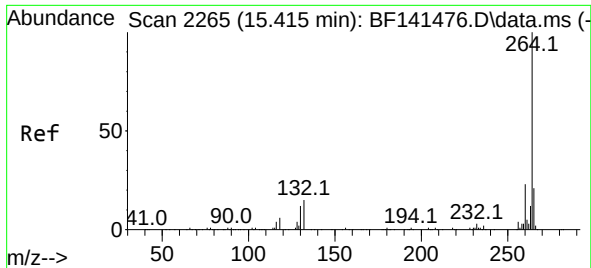
Tgt Ion:240 Resp: 244184
Ion Ratio Lower Upper
240 100
120 10.3 8.0 12.0
236 25.8 19.8 29.8



#79
Terphenyl-d14
Concen: 62.057 ng
RT: 12.898 min Scan# 1837
Delta R.T. -0.006 min
Lab File: BF141493.D
Acq: 06 Feb 2025 21:03

Tgt Ion:244 Resp: 897615
Ion Ratio Lower Upper
244 100
212 6.9 5.6 8.4
122 10.6 8.4 12.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.404 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF141493.D
 Acq: 06 Feb 2025 21:03

Instrument :
 BNA_F
 ClientSampleId :
 WC-8

Tgt Ion:264 Resp: 191907
 Ion Ratio Lower Upper
 264 100
 260 22.8 18.6 28.0
 265 21.6 17.0 25.4

