

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021225\
 Data File : BF141587.D
 Acq On : 12 Feb 2025 13:58
 Operator : RC/JU
 Sample : Q1343-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-9

Quant Time: Feb 12 14:23:52 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)

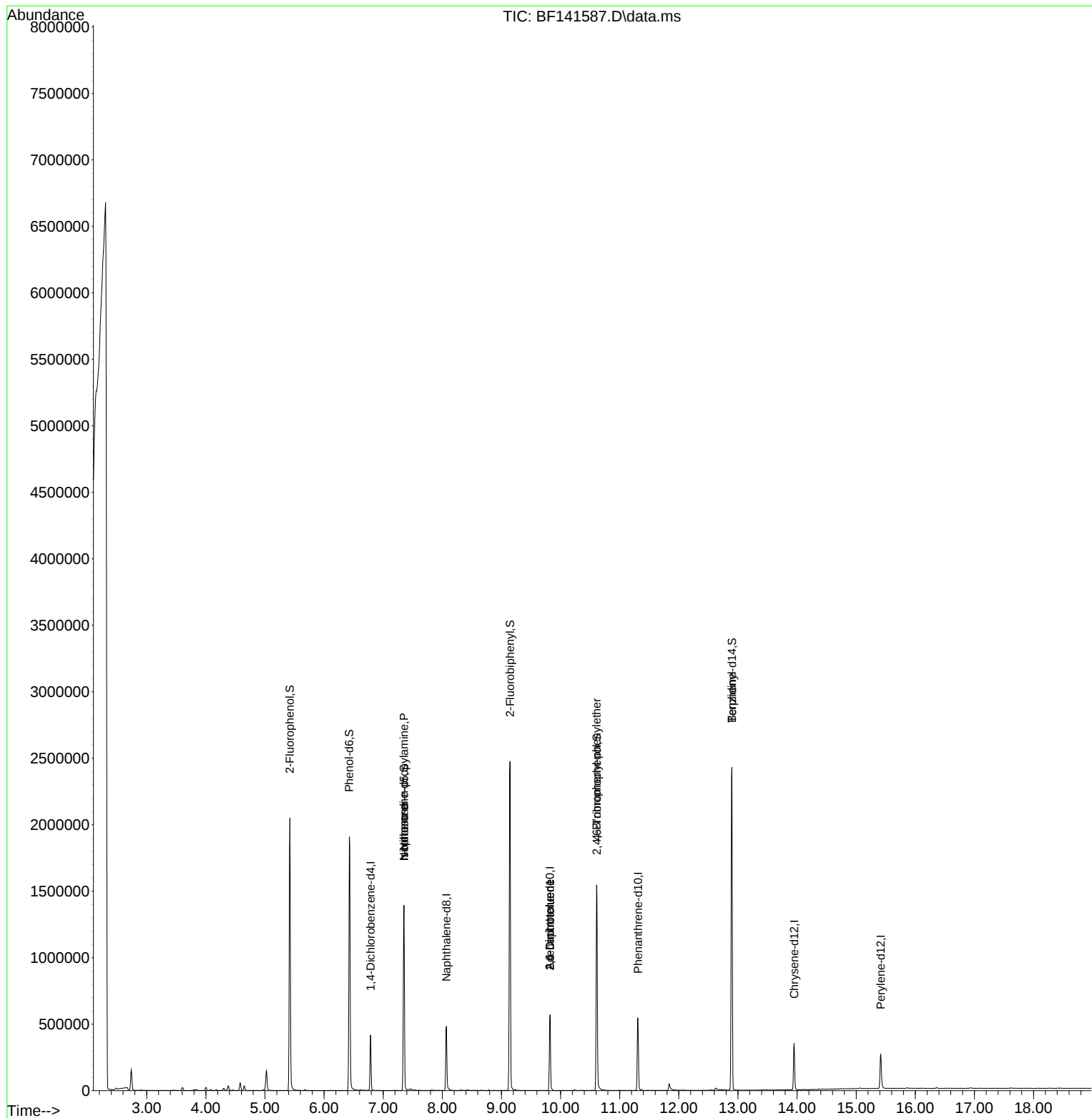
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.786	152	83025	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	332947	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	177369	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	303140	20.000	ng	0.00
76) Chrysene-d12	13.951	240	182173	20.000	ng	-0.01
86) Perylene-d12	15.415	264	164589	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	762709	144.021	ng	0.01
7) Phenol-d6	6.428	99	913689	136.504	ng	-0.01
23) Nitrobenzene-d5	7.351	82	622631	97.539	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	265980	149.280	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	1163417	101.055	ng	0.00
79) Terphenyl-d14	12.898	244	1254834	116.284	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.351	70	85563	21.371	ng	# 74
25) Isophorone	7.351	82	602508	59.196	ng	# 66
51) 2,6-Dinitrotoluene	9.822	165	22736	8.637	ng	# 22
57) 2,4-Dinitrotoluene	9.822	165	22736	6.488	ng	# 18
67) 4-Bromophenyl-phenylether	10.610	248	18445	5.444	ng	# 1
77) Benzidine	12.898	184	15815	3.936	ng	# 89

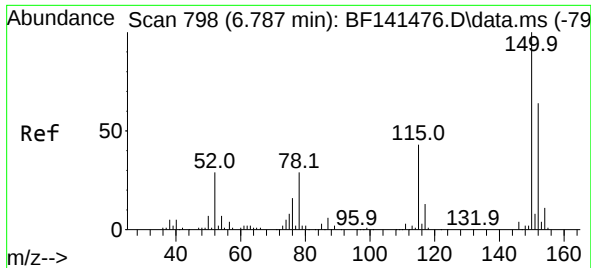
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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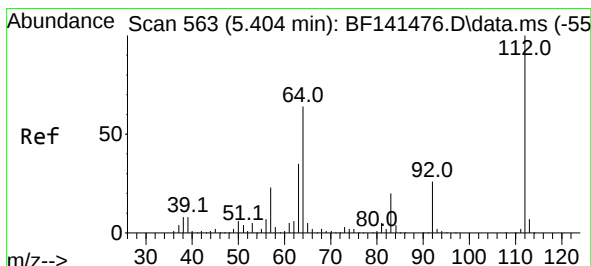
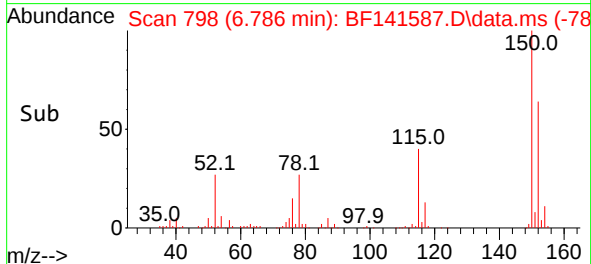
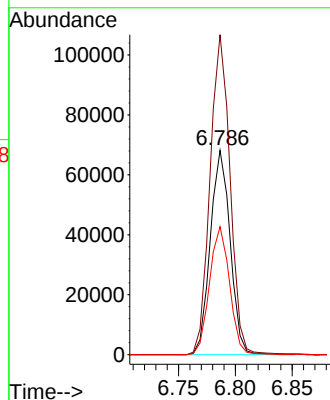
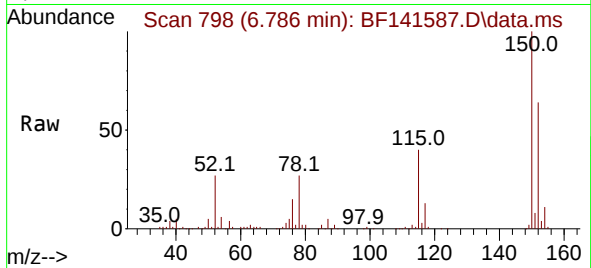




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.786 min Scan# 798
Delta R.T. -0.006 min
Lab File: BF141587.D
Acq: 12 Feb 2025 13:58

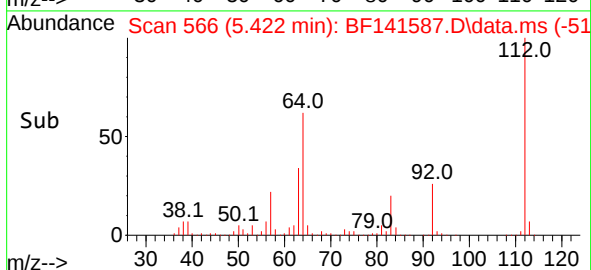
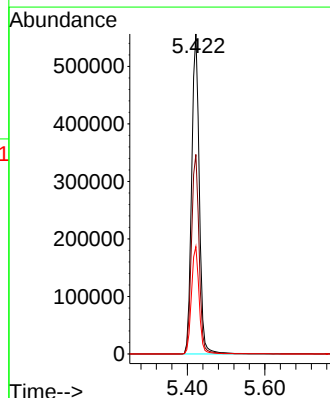
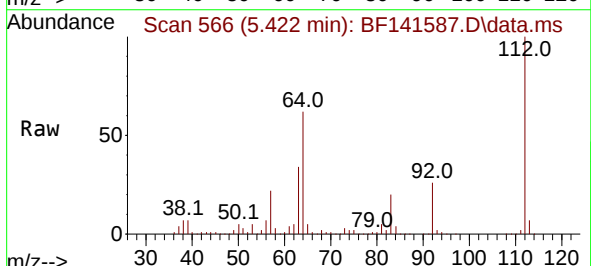
Instrument :
BNA_F
ClientSampleId :
WC-9

Tgt Ion:152 Resp: 83025
Ion Ratio Lower Upper
152 100
150 156.6 125.0 187.4
115 62.6 53.6 80.4



#5
2-Fluorophenol
Concen: 144.021 ng
RT: 5.422 min Scan# 566
Delta R.T. 0.012 min
Lab File: BF141587.D
Acq: 12 Feb 2025 13:58

Tgt Ion:112 Resp: 762709
Ion Ratio Lower Upper
112 100
64 62.3 51.1 76.7
63 33.6 28.4 42.6

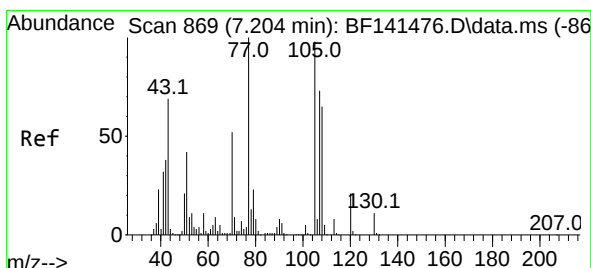
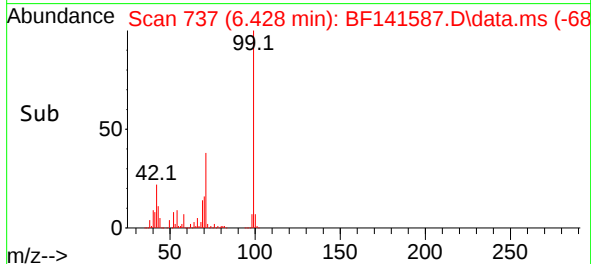
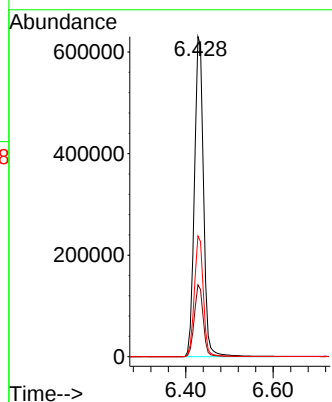
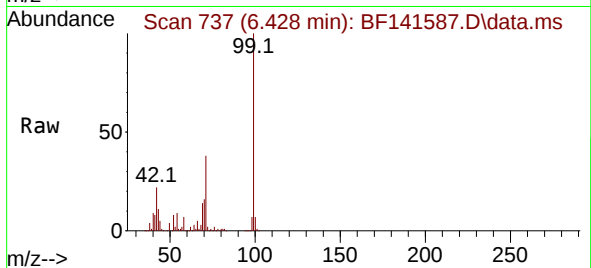




#7
Phenol-d6
Concen: 136.504 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141587.D
Acq: 12 Feb 2025 13:58

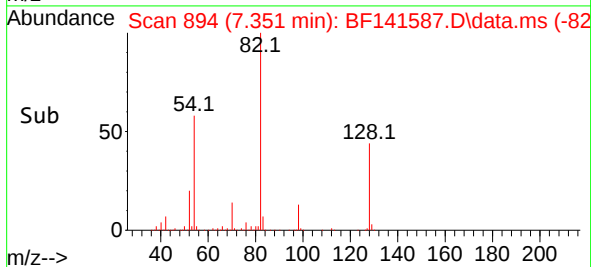
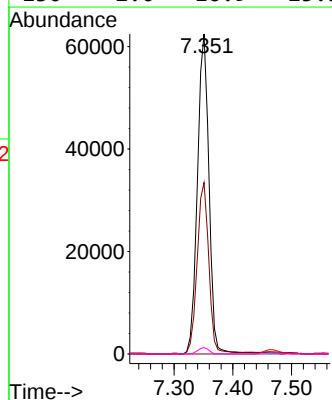
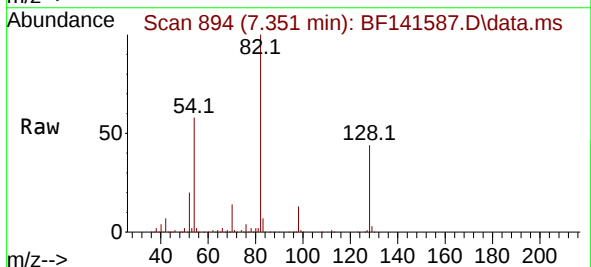
Instrument :
BNA_F
ClientSampleId :
WC-9

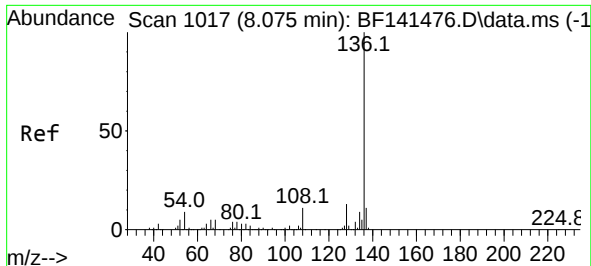
Tgt Ion: 99 Resp: 913689
Ion Ratio Lower Upper
99 100
42 22.4 19.1 28.7
71 37.7 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 21.371 ng
RT: 7.351 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF141587.D
Acq: 12 Feb 2025 13:58

Tgt Ion: 70 Resp: 85563
Ion Ratio Lower Upper
70 100
42 53.5 57.4 86.2#
101 0.0 8.0 12.0#
130 2.0 16.9 25.3#



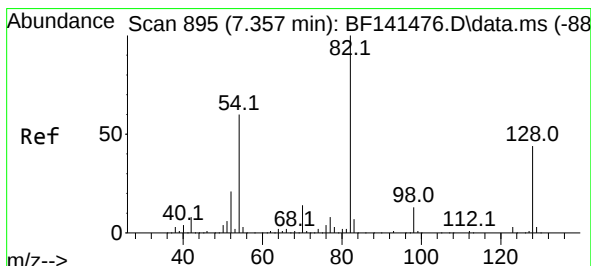
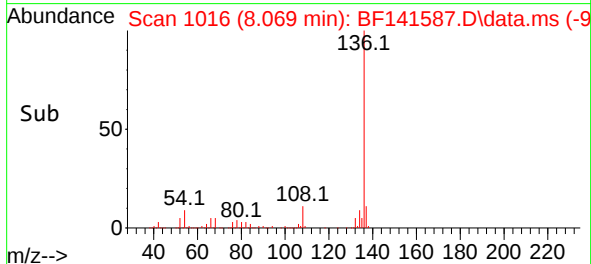
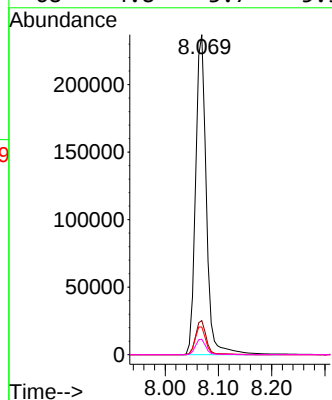
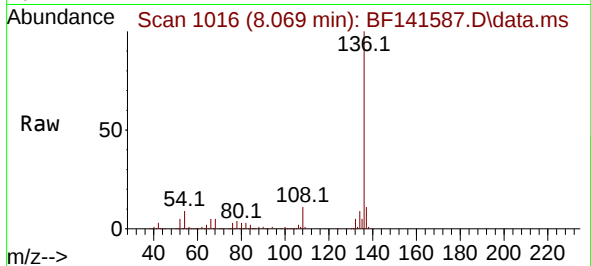


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF141587.D
Acq: 12 Feb 2025 13:58

Instrument :
BNA_F
ClientSampleId :
WC-9

Tgt Ion:136 Resp: 332947

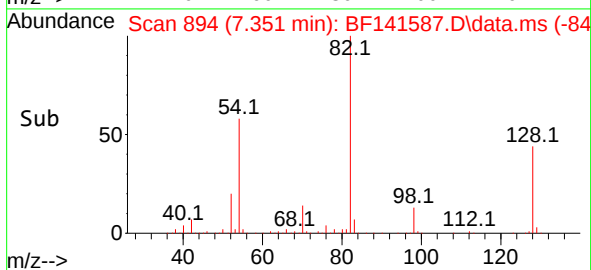
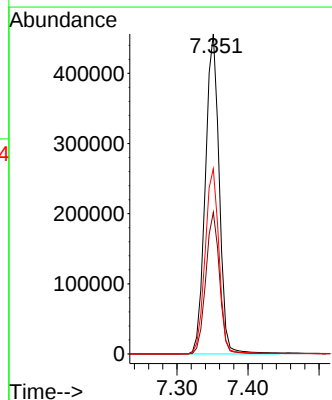
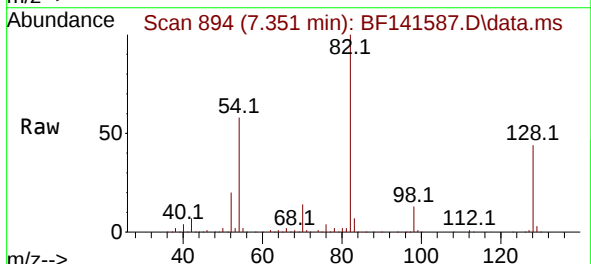
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.6	13.0
54	8.7	7.2	10.8
68	4.8	3.7	5.5

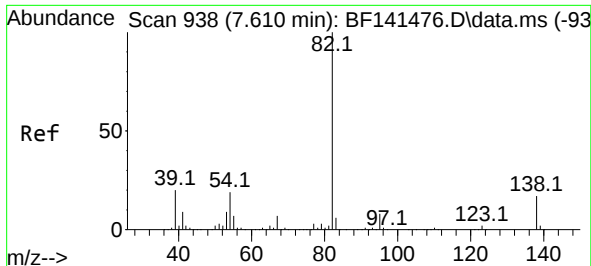


#23
Nitrobenzene-d5
Concen: 97.539 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.012 min
Lab File: BF141587.D
Acq: 12 Feb 2025 13:58

Tgt Ion: 82 Resp: 622631

Ion	Ratio	Lower	Upper
82	100		
128	44.2	34.8	52.2
54	57.8	48.2	72.4

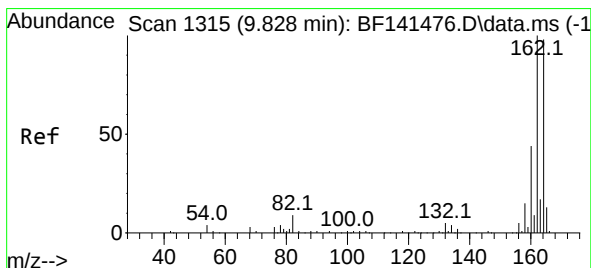
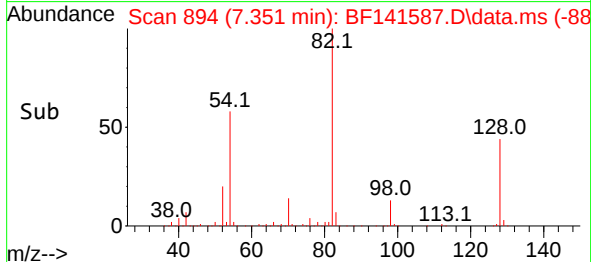
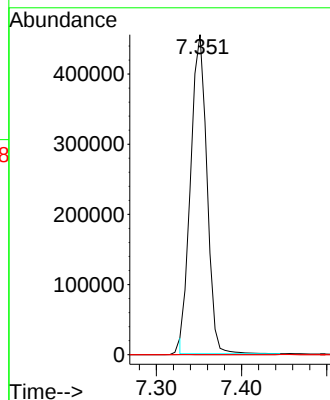
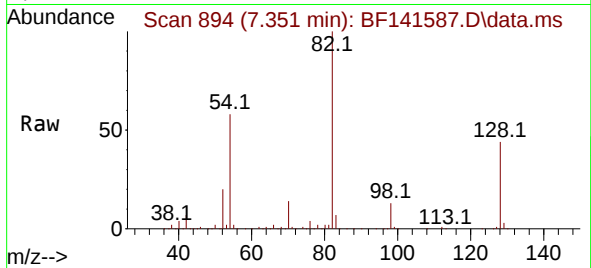




#25
Isophorone
Concen: 59.196 ng
RT: 7.351 min Scan# 894
Delta R.T. -0.271 min
Lab File: BF141587.D
Acq: 12 Feb 2025 13:58

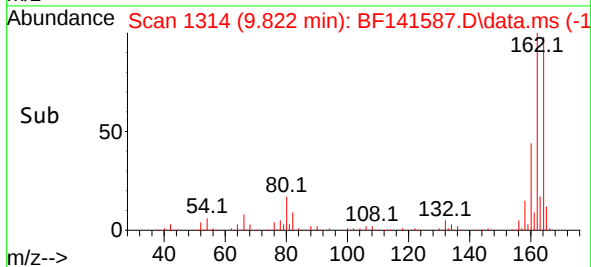
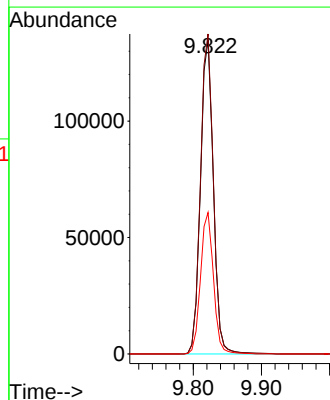
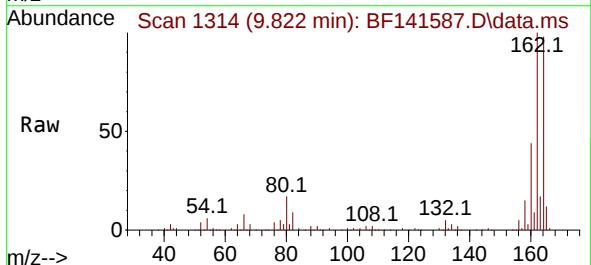
Instrument :
BNA_F
ClientSampleId :
WC-9

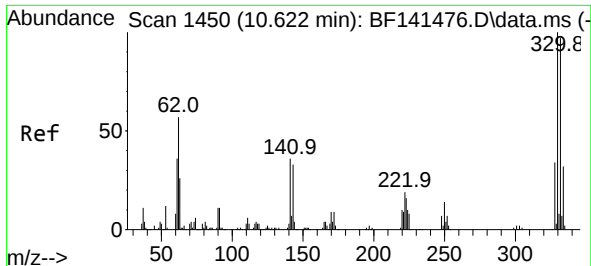
Tgt Ion: 82 Resp: 602508
Ion Ratio Lower Upper
82 100
95 0.0 6.4 9.6#
138 0.0 13.9 20.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF141587.D
Acq: 12 Feb 2025 13:58

Tgt Ion:164 Resp: 177369
Ion Ratio Lower Upper
164 100
162 101.9 81.3 121.9
160 45.1 35.9 53.9





#42

2,4,6-Tribromophenol

Concen: 149.280 ng

RT: 10.616 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF141587.D

Acq: 12 Feb 2025 13:58

Instrument :

BNA_F

ClientSampleId :

WC-9

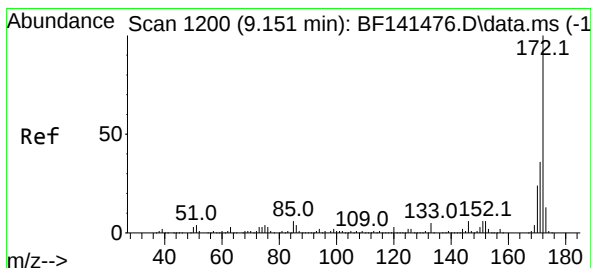
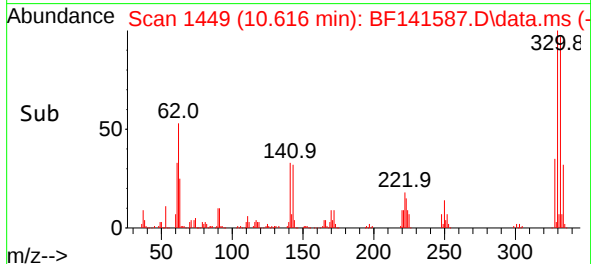
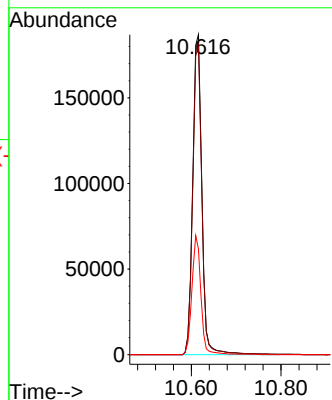
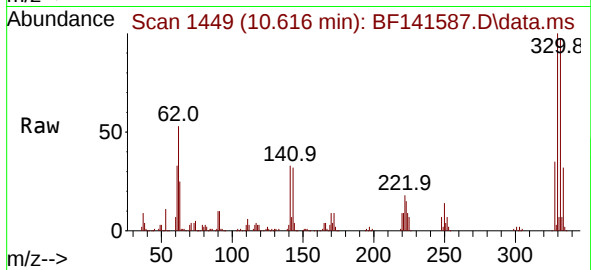
Tgt Ion:330 Resp: 265980

Ion Ratio Lower Upper

330 100

332 96.3 78.5 117.7

141 36.5 31.0 46.4



#45

2-Fluorobiphenyl

Concen: 101.055 ng

RT: 9.145 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF141587.D

Acq: 12 Feb 2025 13:58

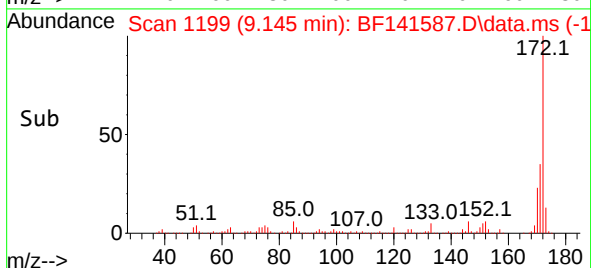
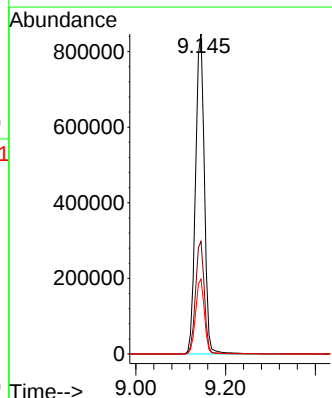
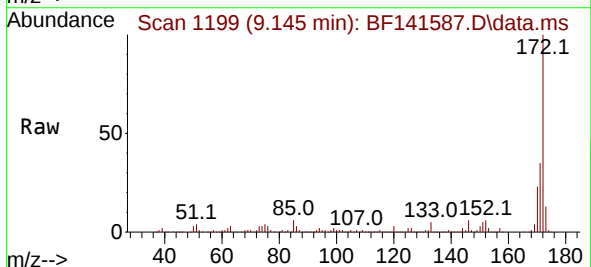
Tgt Ion:172 Resp: 1163417

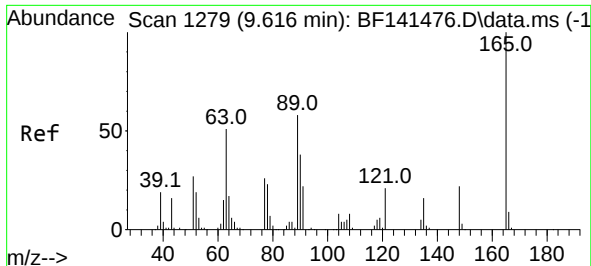
Ion Ratio Lower Upper

172 100

171 35.2 28.7 43.1

170 23.4 18.9 28.3

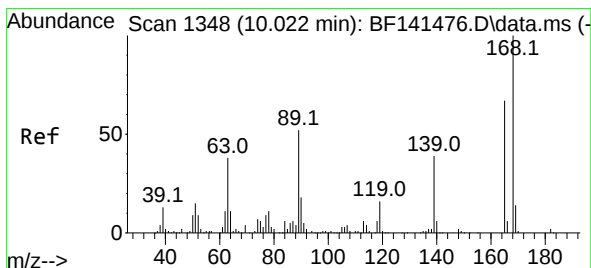
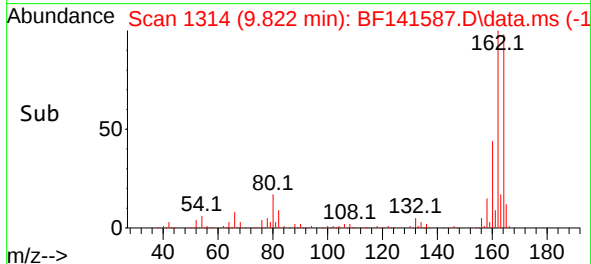
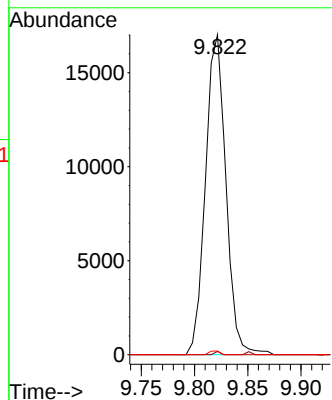
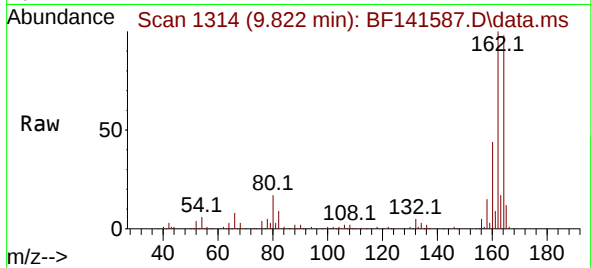




#51
2,6-Dinitrotoluene
Concen: 8.637 ng
RT: 9.822 min Scan# 11
Delta R.T. 0.200 min
Lab File: BF141587.D
Acq: 12 Feb 2025 13:58

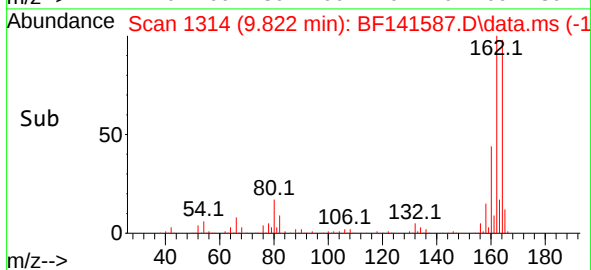
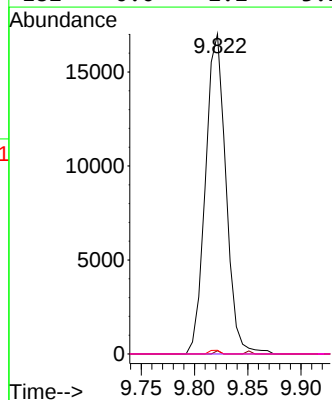
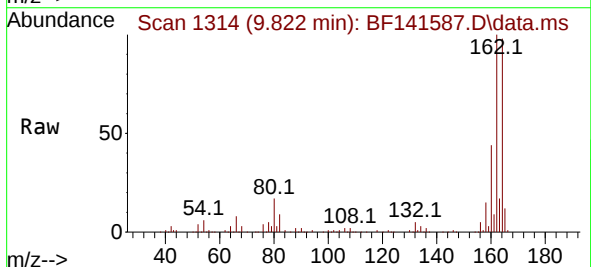
Instrument :
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WC-9

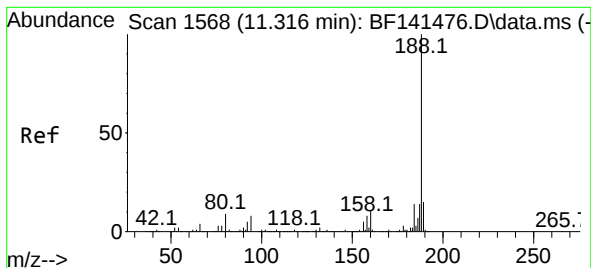
Tgt Ion:165 Resp: 22736
Ion Ratio Lower Upper
165 100
63 1.0 49.4 74.0#
89 1.2 46.5 69.7#



#57
2,4-Dinitrotoluene
Concen: 6.488 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.206 min
Lab File: BF141587.D
Acq: 12 Feb 2025 13:58

Tgt Ion:165 Resp: 22736
Ion Ratio Lower Upper
165 100
63 1.0 46.4 69.6#
89 1.2 61.8 92.6#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141587.D

Acq: 12 Feb 2025 13:58

Instrument :

BNA_F

ClientSampleId :

WC-9

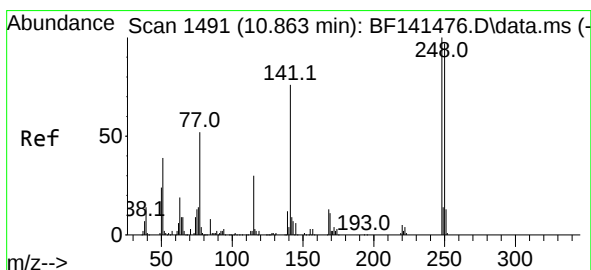
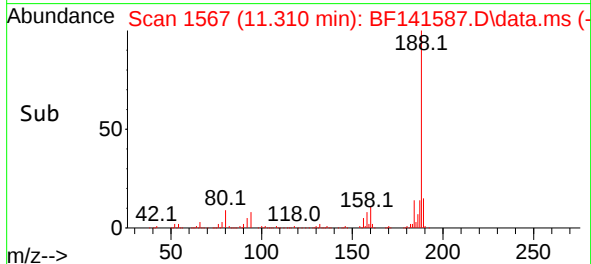
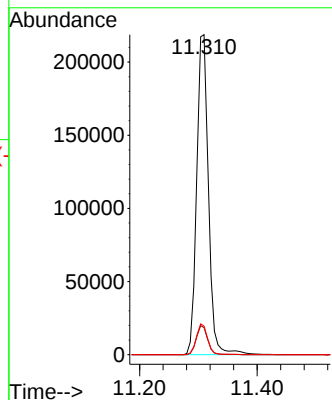
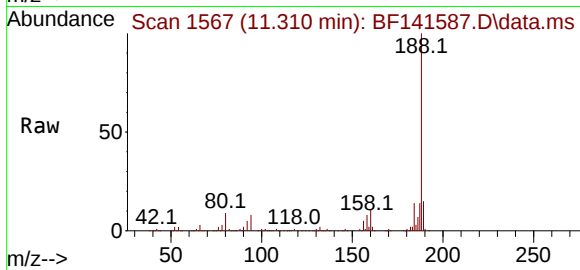
Tgt Ion:188 Resp: 303140

Ion Ratio Lower Upper

188 100

94 8.5 6.6 10.0

80 9.0 7.3 10.9



#67

4-Bromophenyl-phenylether

Concen: 5.444 ng

RT: 10.610 min Scan# 1448

Delta R.T. -0.253 min

Lab File: BF141587.D

Acq: 12 Feb 2025 13:58

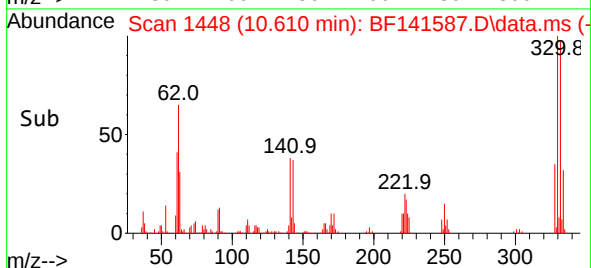
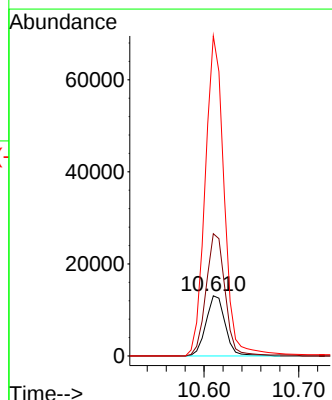
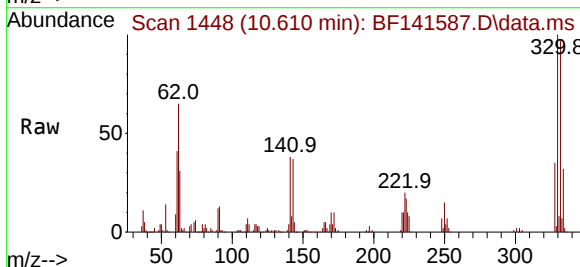
Tgt Ion:248 Resp: 18445

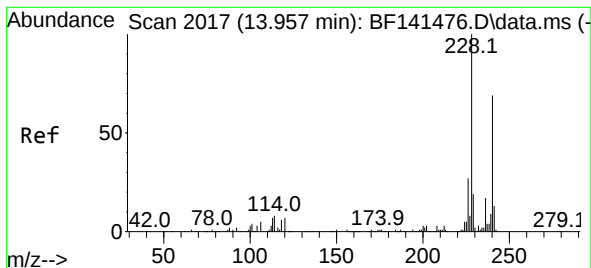
Ion Ratio Lower Upper

248 100

250 202.9 77.8 116.6#

141 531.1 60.6 90.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.951 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF141587.D

Acq: 12 Feb 2025 13:58

Instrument :

BNA_F

ClientSampleId :

WC-9

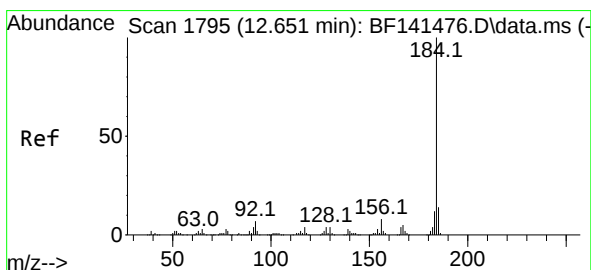
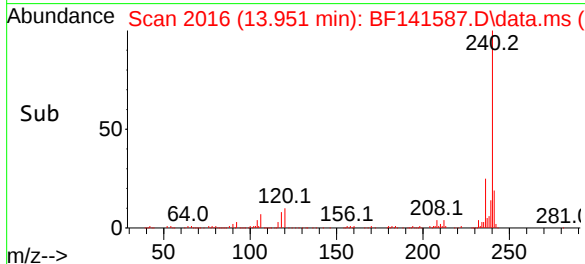
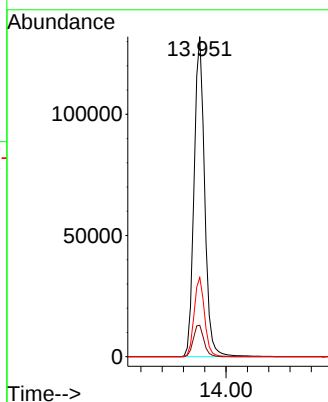
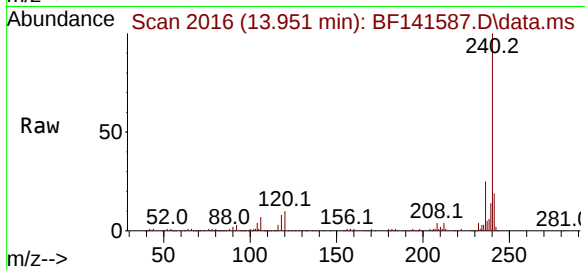
Tgt Ion:240 Resp: 182173

Ion Ratio Lower Upper

240 100

120 9.8 8.0 12.0

236 24.7 19.8 29.8



#77

Benzdine

Concen: 3.936 ng

RT: 12.898 min Scan# 1837

Delta R.T. 0.241 min

Lab File: BF141587.D

Acq: 12 Feb 2025 13:58

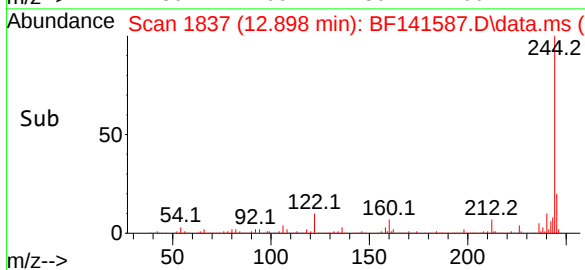
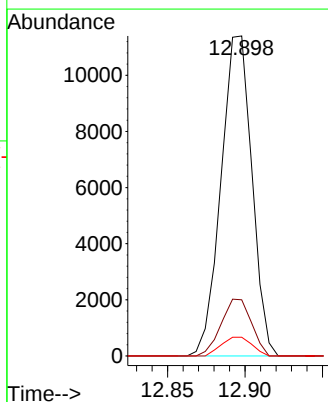
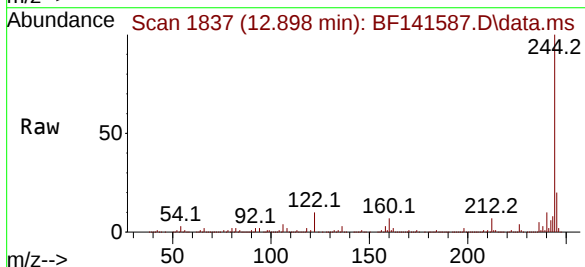
Tgt Ion:184 Resp: 15815

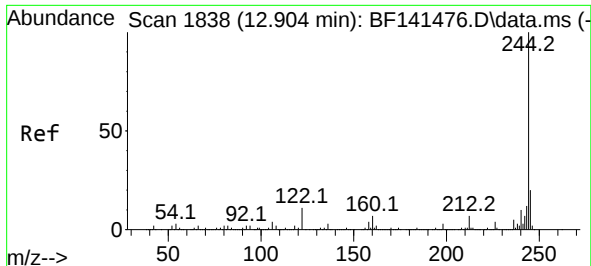
Ion Ratio Lower Upper

184 100

185 17.5 11.3 16.9#

183 5.9 9.3 13.9#

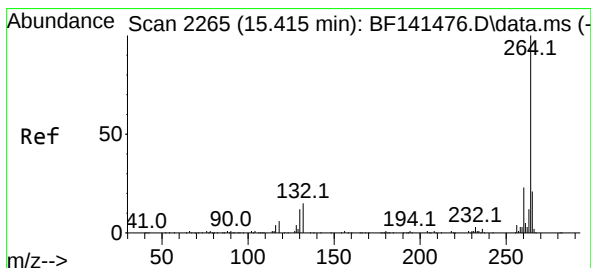
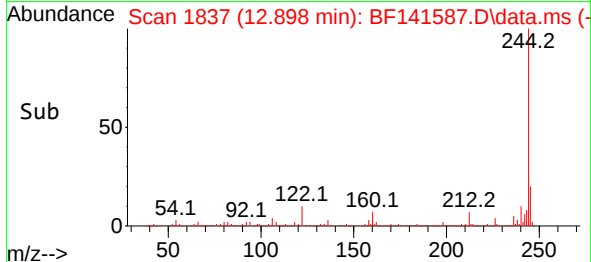
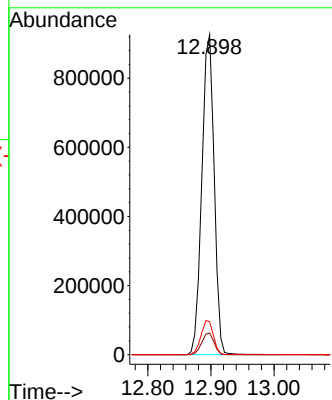
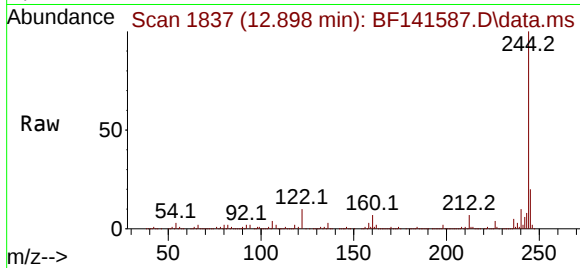




#79
 Terphenyl-d14
 Concen: 116.284 ng
 RT: 12.898 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF141587.D
 Acq: 12 Feb 2025 13:58

Instrument :
 BNA_F
 ClientSampleId :
 WC-9

Tgt Ion:244 Resp: 1254834
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 10.3 8.4 12.6



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.415 min Scan# 2265
 Delta R.T. 0.000 min
 Lab File: BF141587.D
 Acq: 12 Feb 2025 13:58

Tgt Ion:264 Resp: 164589
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.6 28.0
 265 21.5 17.0 25.4

