

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012725\
 Data File : BF141273.D
 Acq On : 27 Jan 2025 15:31
 Operator : RC/JU
 Sample : Q1169-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ARS20-0006

Quant Time: Jan 27 15:56:48 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 10 22:54:19 2025
 Response via : Initial Calibration

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

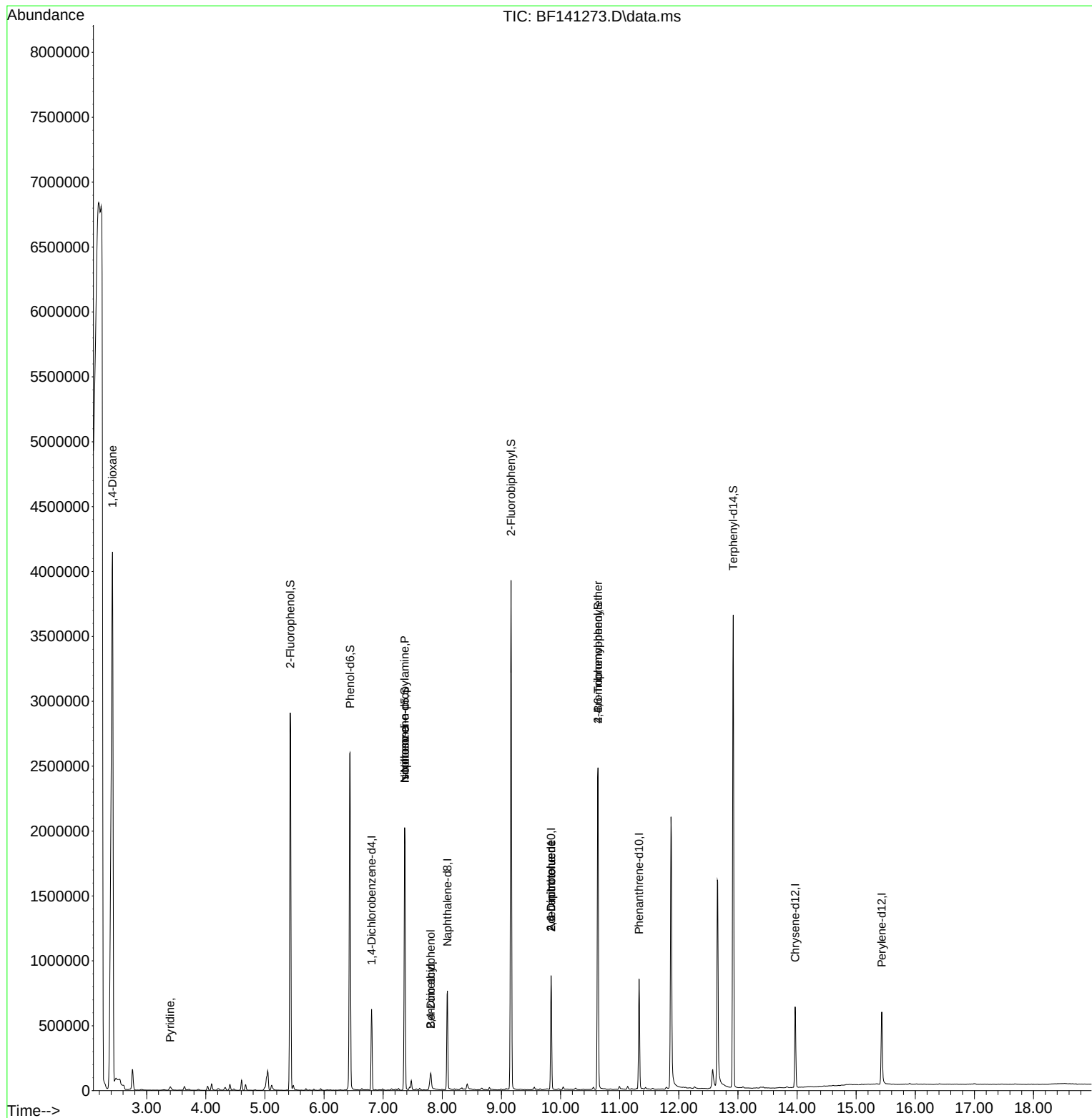
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	127983	20.000	ng	-0.02
21) Naphthalene-d8	8.087	136	498170	20.000	ng	-0.02
39) Acenaphthene-d10	9.839	164	262605	20.000	ng	-0.02
64) Phenanthrene-d10	11.328	188	419729	20.000	ng	-0.02
76) Chrysene-d12	13.969	240	296565	20.000	ng	-0.02
86) Perylene-d12	15.433	264	329855	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	1178851	142.292	ng	0.00
7) Phenol-d6	6.440	99	1409331	134.294	ng	0.00
23) Nitrobenzene-d5	7.363	82	949065	100.987	ng	-0.02
42) 2,4,6-Tribromophenol	10.633	330	488959	163.411	ng	-0.02
45) 2-Fluorobiphenyl	9.163	172	1804094	104.908	ng	-0.02
79) Terphenyl-d14	12.922	244	1856868	93.061	ng	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.422	88	149609	40.552	ng	# 1
3) Pyridine	3.399	79	20546	2.271	ng	97
19) n-Nitroso-di-n-propyla...	7.363	70	127724	20.661	ng	# 76
25) Isophorone	7.363	82	942966	58.713	ng	# 65
27) 2,4-Dimethylphenol	7.804	122	52699	8.769	ng	# 4
32) Benzoic acid	7.804	122	52699	9.141	ng	96
51) 2,6-Dinitrotoluene	9.839	165	34460	8.405	ng	# 27
57) 2,4-Dinitrotoluene	9.839	165	34460	6.522	ng	# 24
67) 4-Bromophenyl-phenylether	10.633	248	29215	6.046	ng	# 1

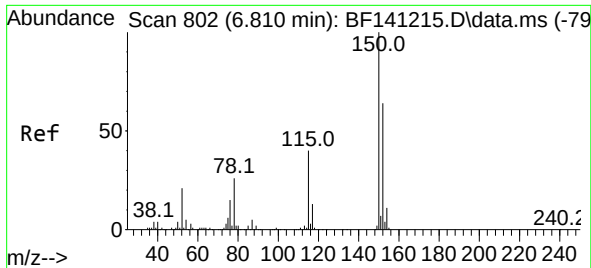
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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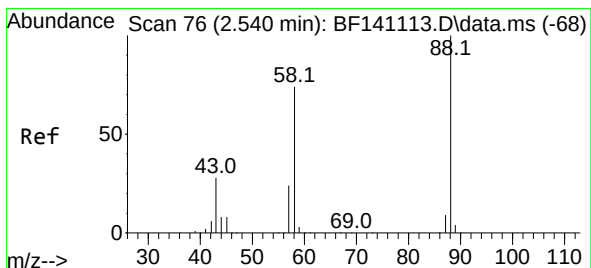
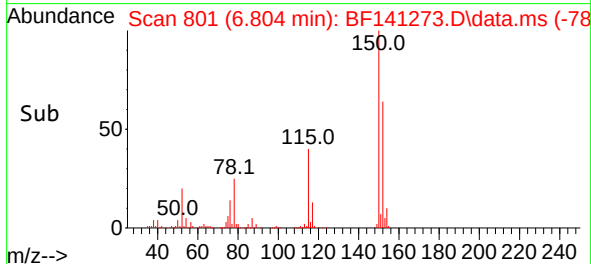
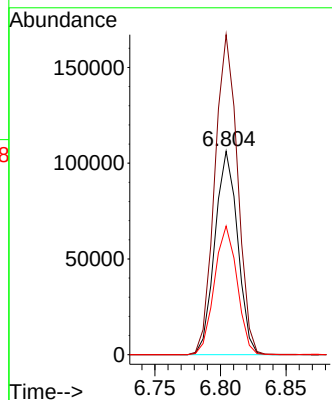
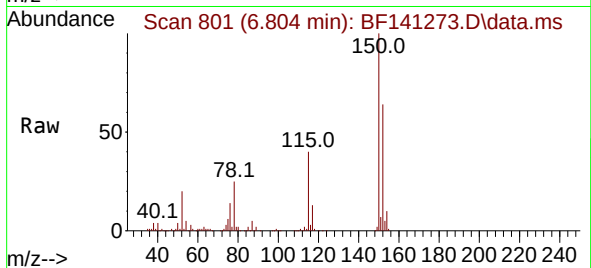




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.804 min Scan# 80
 Delta R.T. -0.018 min
 Lab File: BF141273.D
 Acq: 27 Jan 2025 15:31

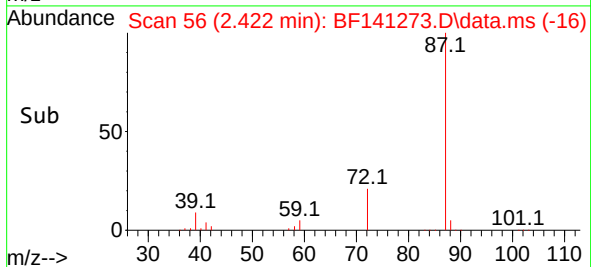
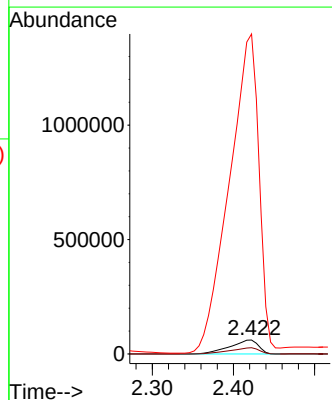
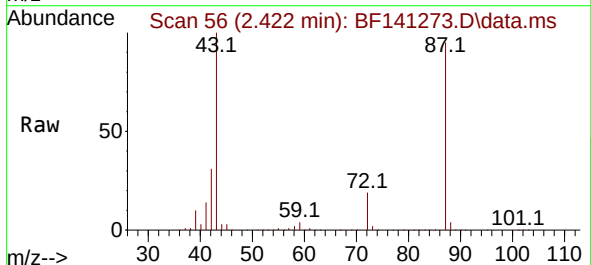
Instrument :
 BNA_F
 ClientSampleId :
 ARS20-0006

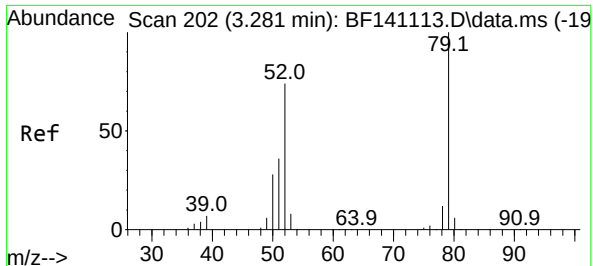
Tgt Ion:152 Resp: 127983
 Ion Ratio Lower Upper
 152 100
 150 157.3 125.8 188.8
 115 63.3 51.4 77.2



#2
 1,4-Dioxane
 Concen: 40.552 ng
 RT: 2.422 min Scan# 56
 Delta R.T. -0.118 min
 Lab File: BF141273.D
 Acq: 27 Jan 2025 15:31

Tgt Ion: 88 Resp: 149609
 Ion Ratio Lower Upper
 88 100
 58 45.9 60.1 90.1#
 43 2366.5 23.1 34.7#

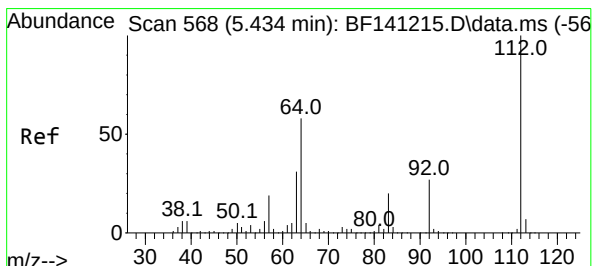
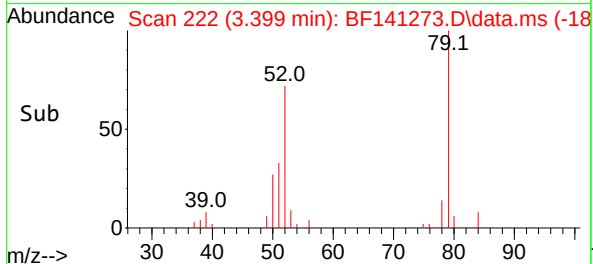
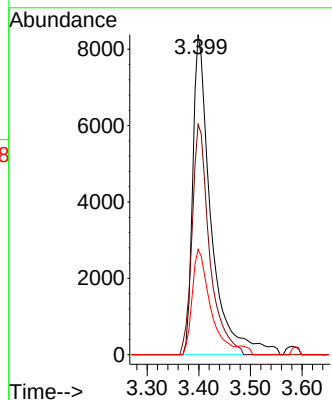
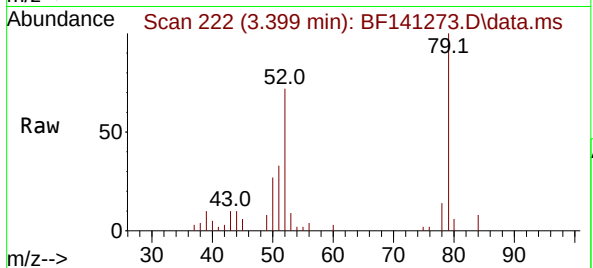




#3
Pyridine
Concen: 2.271 ng
RT: 3.399 min Scan# 21
Delta R.T. 0.118 min
Lab File: BF141273.D
Acq: 27 Jan 2025 15:31

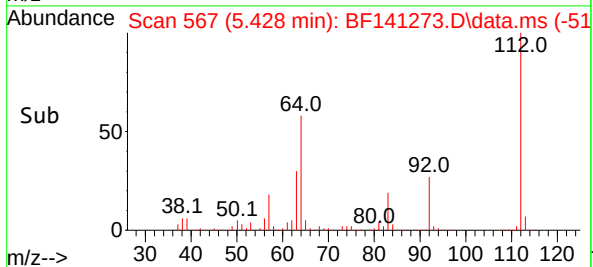
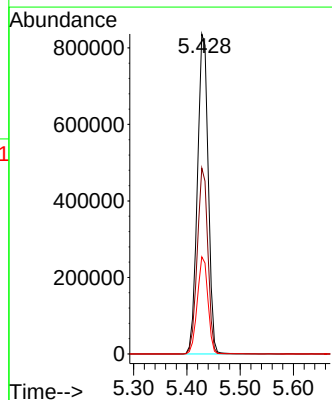
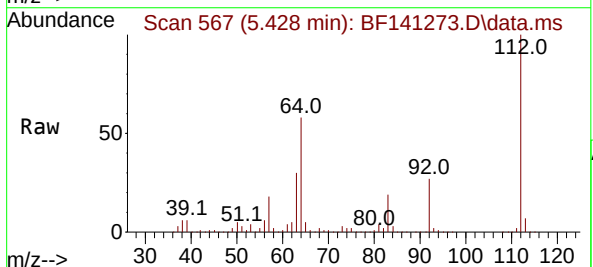
Instrument :
BNA_F
ClientSampleId :
ARS20-0006

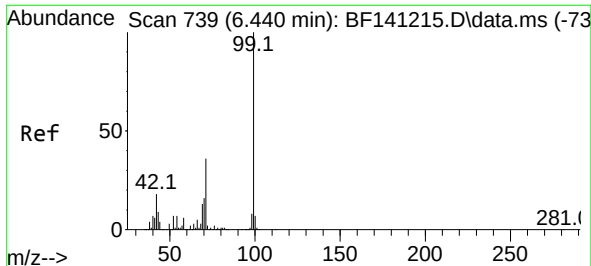
Tgt Ion: 79 Resp: 20546
Ion Ratio Lower Upper
79 100
52 72.0 58.9 88.3
51 33.0 29.1 43.7



#5
2-Fluorophenol
Concen: 142.292 ng
RT: 5.428 min Scan# 567
Delta R.T. 0.000 min
Lab File: BF141273.D
Acq: 27 Jan 2025 15:31

Tgt Ion: 112 Resp: 1178851
Ion Ratio Lower Upper
112 100
64 58.1 47.3 70.9
63 30.4 24.2 36.2





#7
Phenol-d6
Concen: 134.294 ng
RT: 6.440 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141273.D
Acq: 27 Jan 2025 15:31

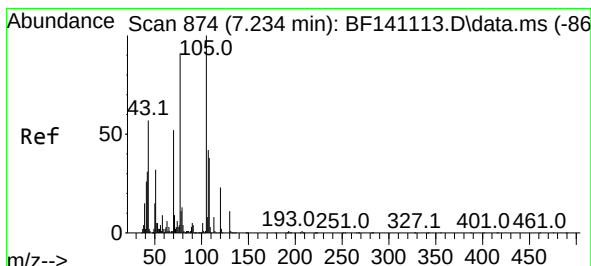
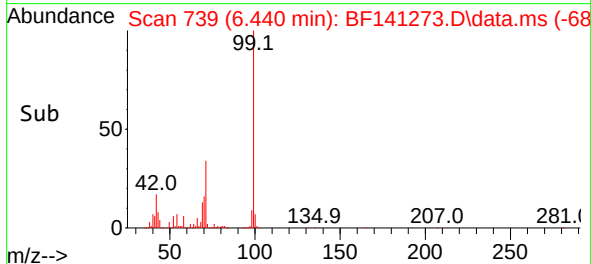
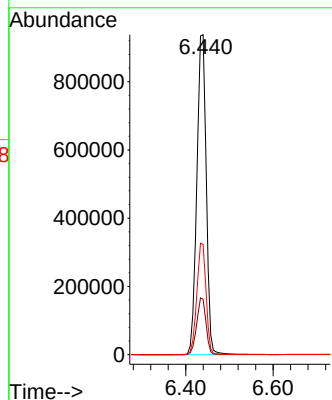
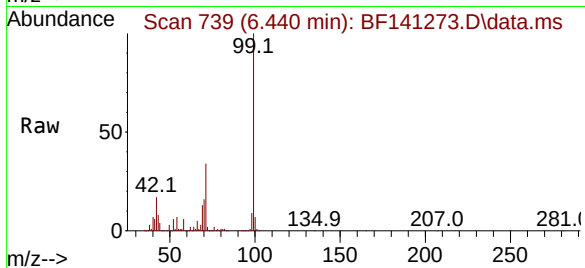
Instrument :

BNA_F

ClientSampleId :

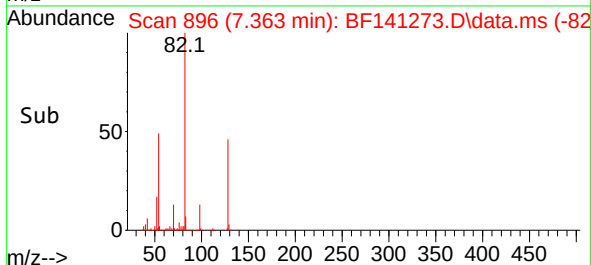
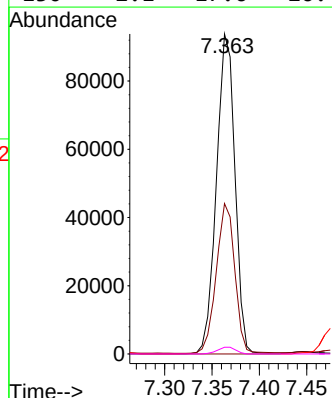
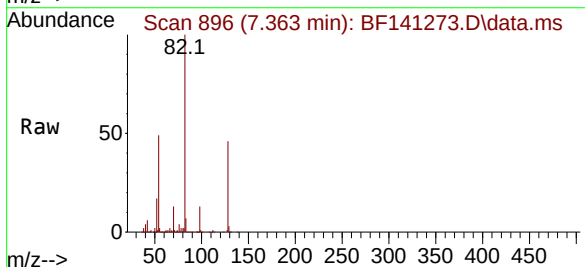
ARS20-0006

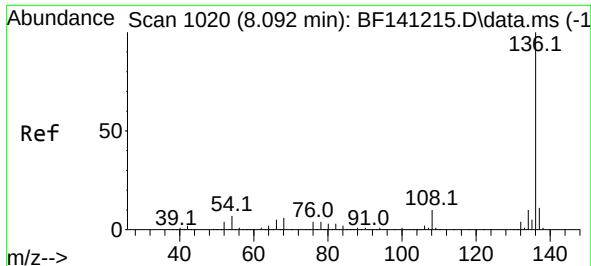
Tgt Ion: 99 Resp: 1409331
Ion Ratio Lower Upper
99 100
42 17.3 15.0 22.4
71 34.4 27.6 41.4



#19
n-Nitroso-di-n-propylamine
Concen: 20.661 ng
RT: 7.363 min Scan# 896
Delta R.T. 0.129 min
Lab File: BF141273.D
Acq: 27 Jan 2025 15:31

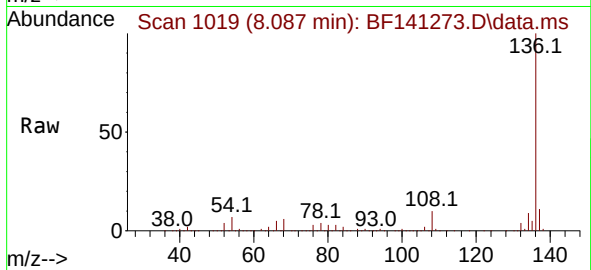
Tgt Ion: 70 Resp: 127724
Ion Ratio Lower Upper
70 100
42 47.0 47.8 71.6#
101 0.0 7.9 11.9#
130 2.1 17.6 26.4#



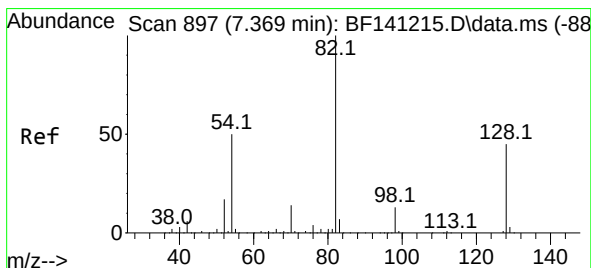
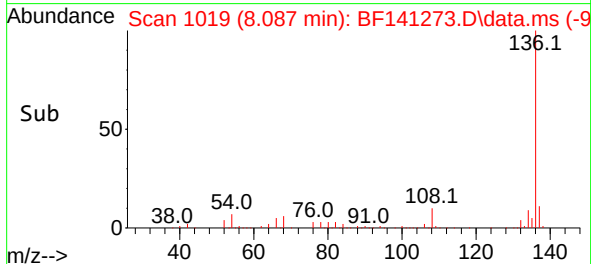
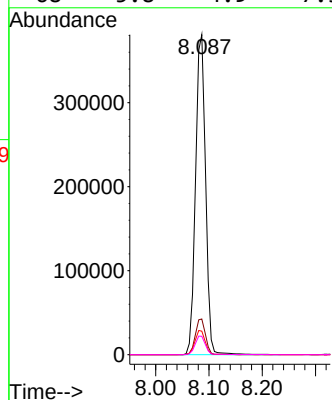


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.087 min Scan# 1019
Delta R.T. -0.018 min
Lab File: BF141273.D
Acq: 27 Jan 2025 15:31

Instrument :
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ClientSampleId :
ARS20-0006

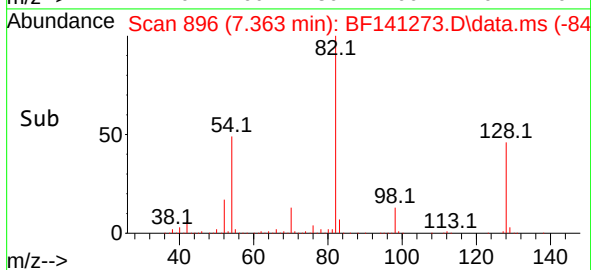
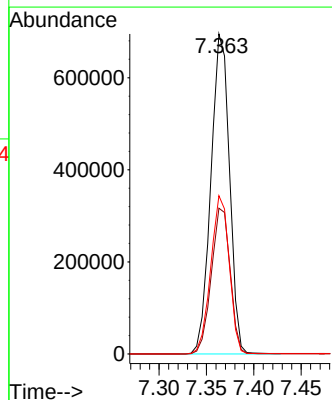
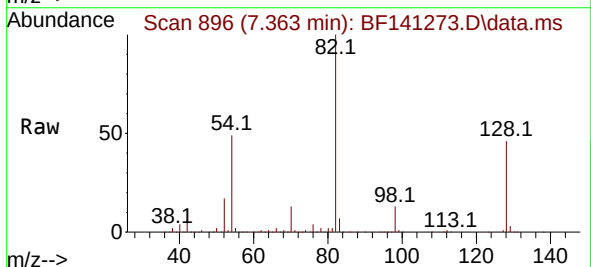


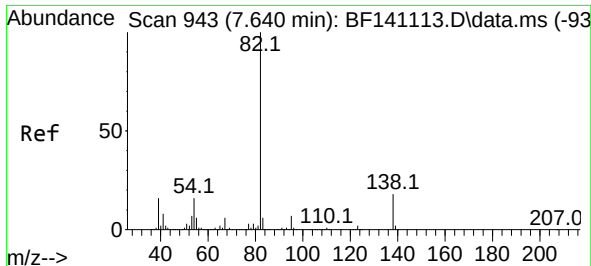
Tgt Ion:136 Resp: 498170
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 7.4 6.3 9.5
68 5.8 4.9 7.3



#23
Nitrobenzene-d5
Concen: 100.987 ng
RT: 7.363 min Scan# 896
Delta R.T. -0.023 min
Lab File: BF141273.D
Acq: 27 Jan 2025 15:31

Tgt Ion: 82 Resp: 949065
Ion Ratio Lower Upper
82 100
128 45.6 36.1 54.1
54 49.4 41.0 61.4

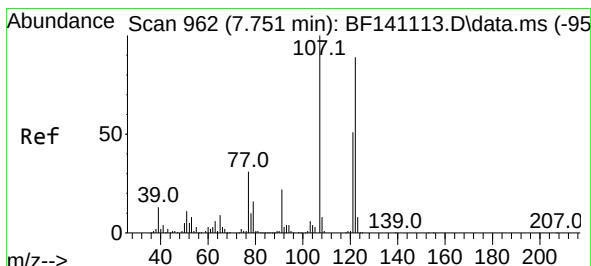
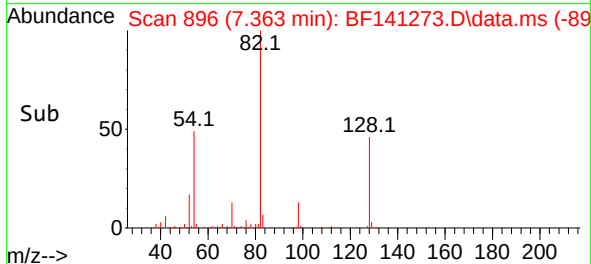
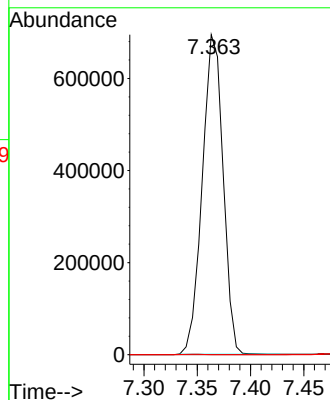
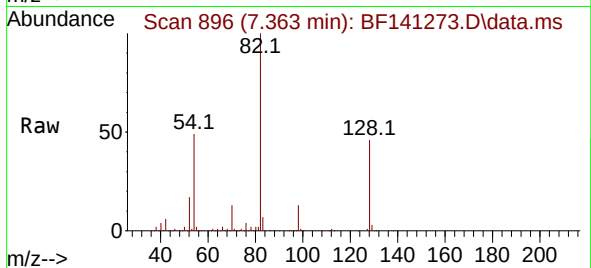




#25
Isophorone
Concen: 58.713 ng
RT: 7.363 min Scan# 896
Delta R.T. -0.276 min
Lab File: BF141273.D
Acq: 27 Jan 2025 15:31

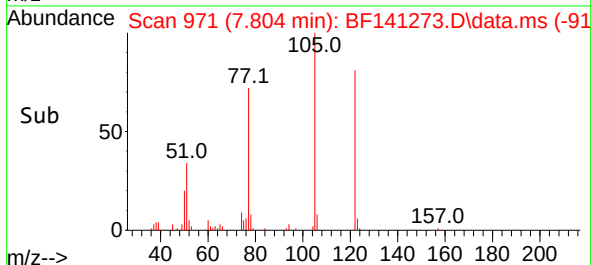
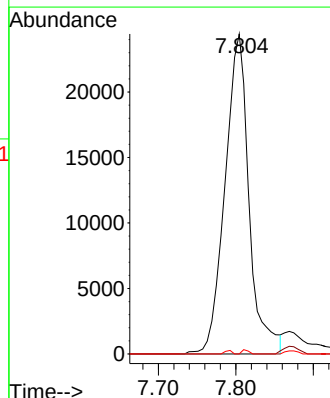
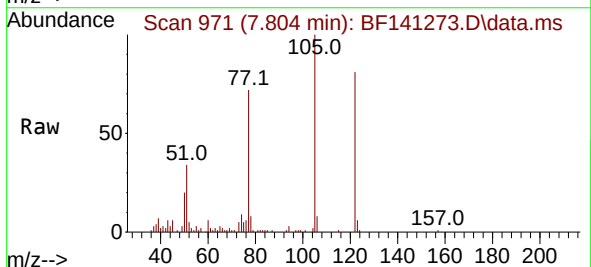
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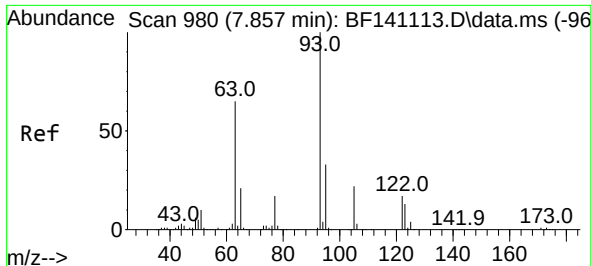
Tgt Ion: 82 Resp: 942966
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 14.2 21.2#



#27
2,4-Dimethylphenol
Concen: 8.769 ng
RT: 7.804 min Scan# 971
Delta R.T. 0.053 min
Lab File: BF141273.D
Acq: 27 Jan 2025 15:31

Tgt Ion:122 Resp: 52699
Ion Ratio Lower Upper
122 100
107 0.0 90.3 135.5#
121 0.0 46.5 69.7#

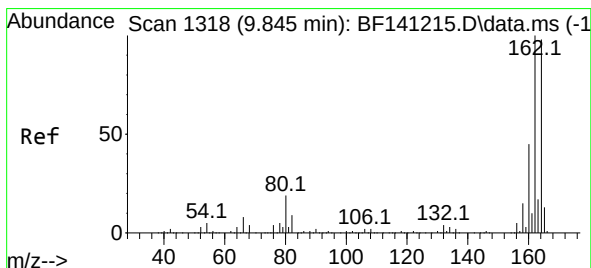
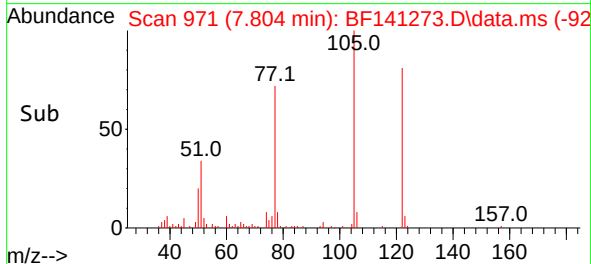
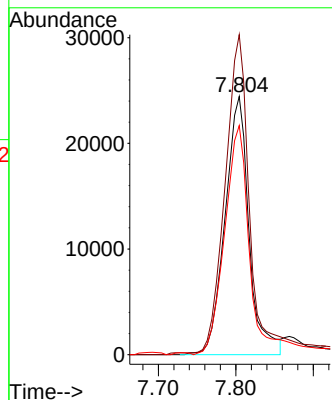
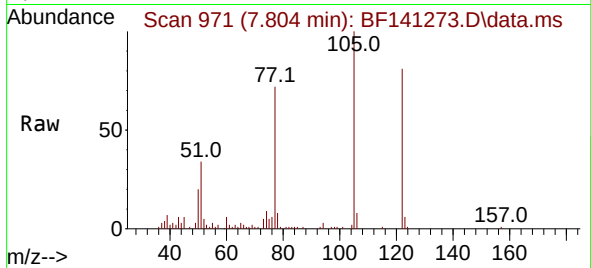




#32
Benzoic acid
Concen: 9.141 ng
RT: 7.804 min Scan# 91
Delta R.T. -0.053 min
Lab File: BF141273.D
Acq: 27 Jan 2025 15:31

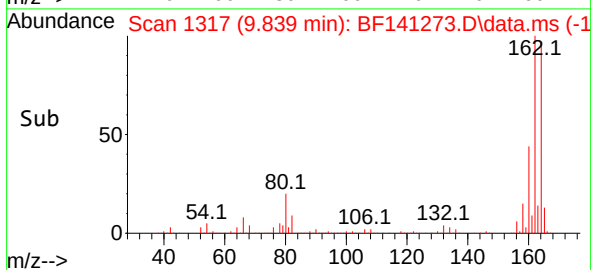
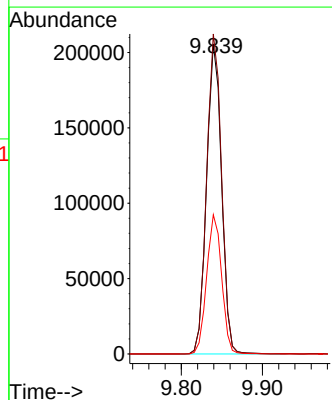
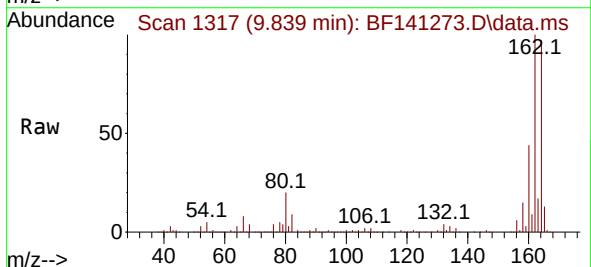
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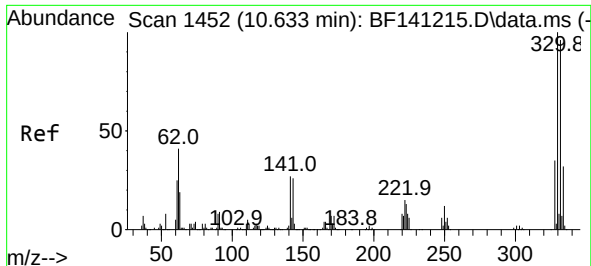
Tgt Ion:122 Resp: 52699
Ion Ratio Lower Upper
122 100
105 123.9 105.5 145.5
77 88.7 75.1 115.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1317
Delta R.T. -0.023 min
Lab File: BF141273.D
Acq: 27 Jan 2025 15:31

Tgt Ion:164 Resp: 262605
Ion Ratio Lower Upper
164 100
162 103.2 81.0 121.4
160 44.9 36.1 54.1

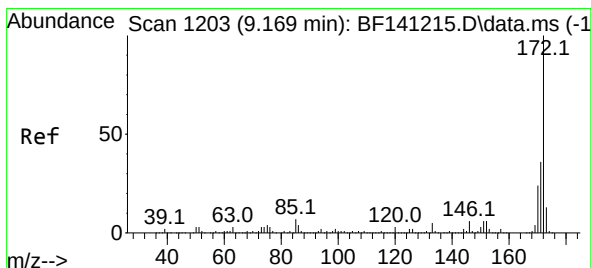
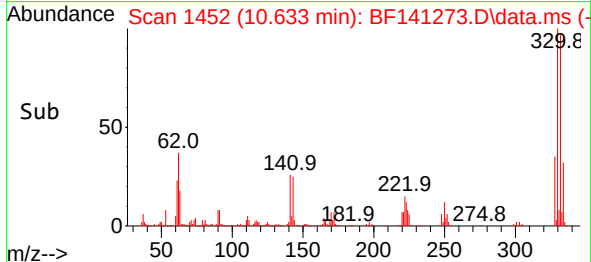
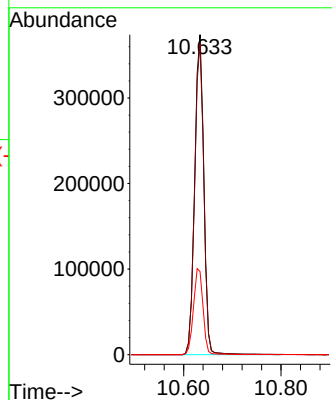
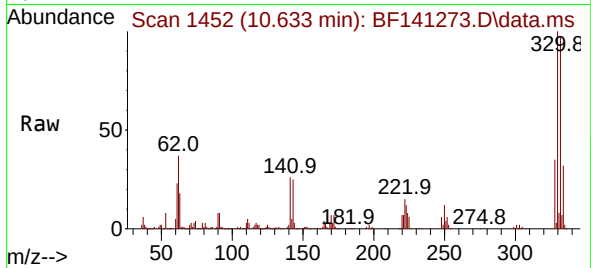




#42
 2,4,6-Tribromophenol
 Concen: 163.411 ng
 RT: 10.633 min Scan# 1452
 Delta R.T. -0.018 min
 Lab File: BF141273.D
 Acq: 27 Jan 2025 15:31

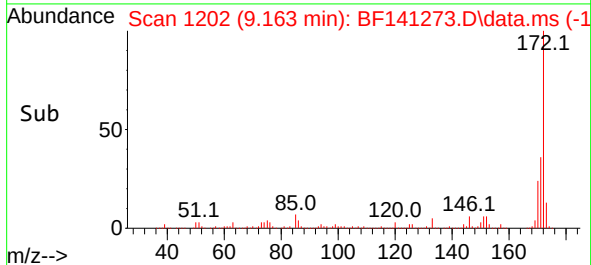
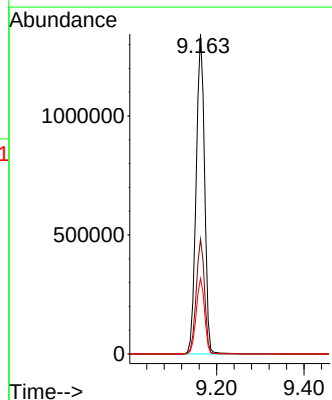
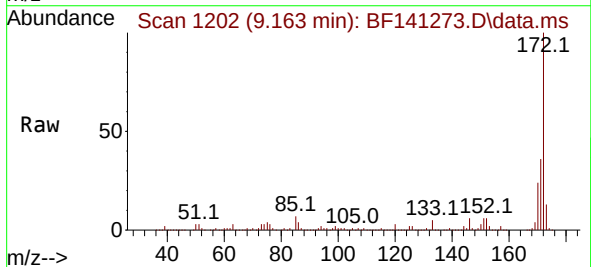
Instrument :
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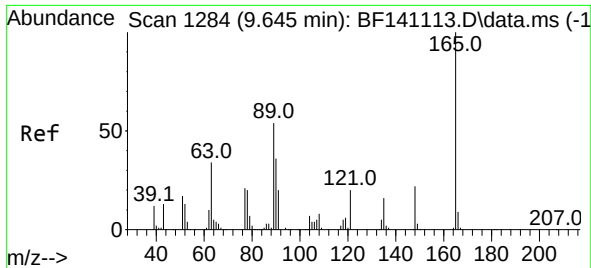
Tgt Ion:330 Resp: 488959
 Ion Ratio Lower Upper
 330 100
 332 97.6 76.9 115.3
 141 28.1 25.2 37.8



#45
 2-Fluorobiphenyl
 Concen: 104.908 ng
 RT: 9.163 min Scan# 1202
 Delta R.T. -0.018 min
 Lab File: BF141273.D
 Acq: 27 Jan 2025 15:31

Tgt Ion:172 Resp: 1804094
 Ion Ratio Lower Upper
 172 100
 171 35.9 28.7 43.1
 170 23.6 19.0 28.6

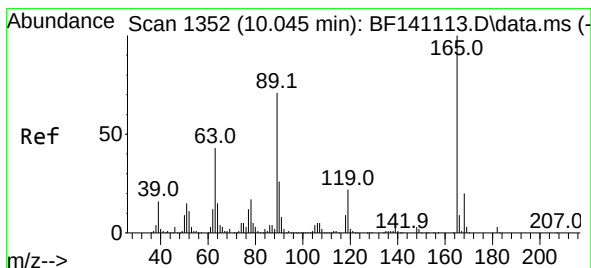
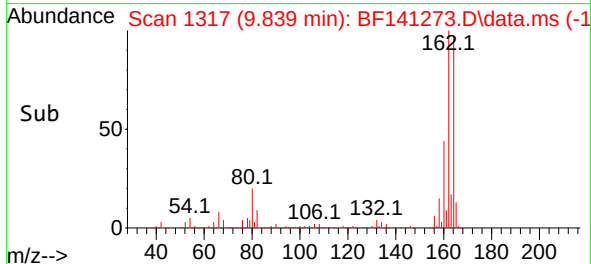
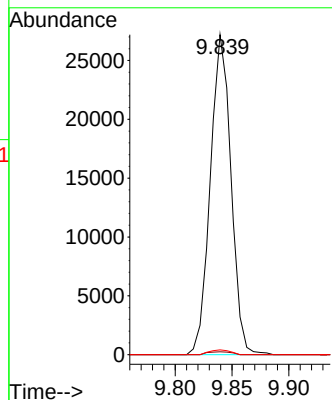
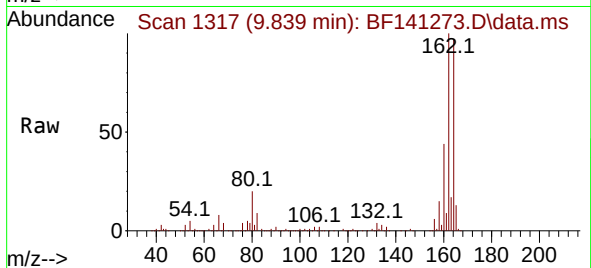




#51
2,6-Dinitrotoluene
Concen: 8.405 ng
RT: 9.839 min Scan# 11
Delta R.T. 0.194 min
Lab File: BF141273.D
Acq: 27 Jan 2025 15:31

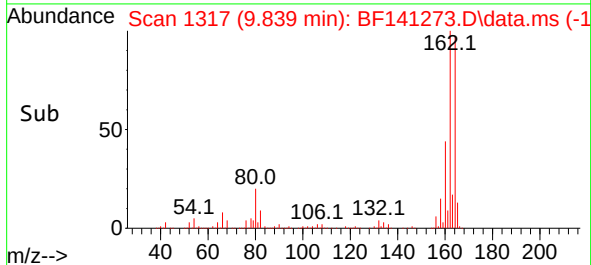
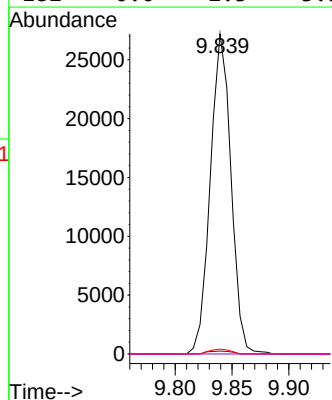
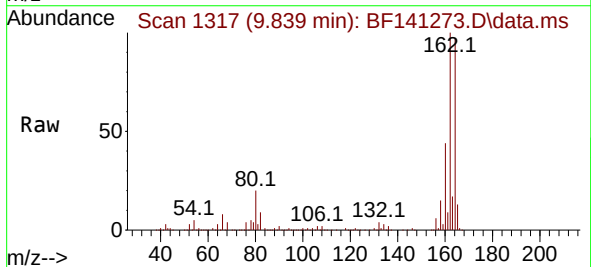
Instrument :
BNA_F
ClientSampleId :
ARS20-0006

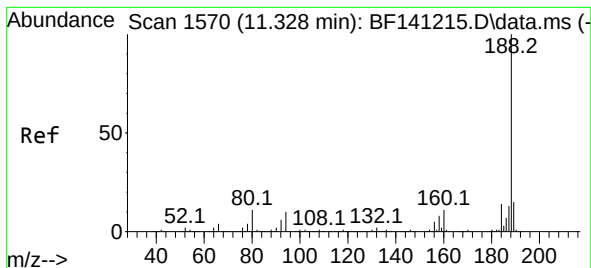
Tgt Ion:165 Resp: 34460
Ion Ratio Lower Upper
165 100
63 0.9 42.3 63.5#
89 1.5 43.1 64.7#



#57
2,4-Dinitrotoluene
Concen: 6.522 ng
RT: 9.839 min Scan# 1317
Delta R.T. -0.206 min
Lab File: BF141273.D
Acq: 27 Jan 2025 15:31

Tgt Ion:165 Resp: 34460
Ion Ratio Lower Upper
165 100
63 0.9 35.0 52.4#
89 1.5 56.7 85.1#
182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.328 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF141273.D

Acq: 27 Jan 2025 15:31

Instrument :

BNA_F

ClientSampleId :

ARS20-0006

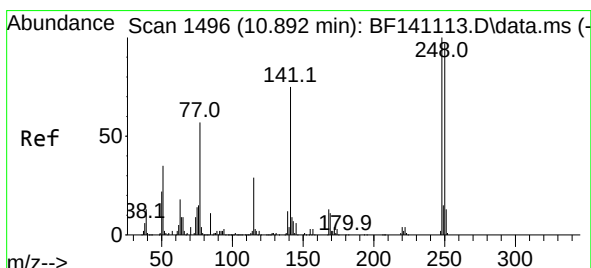
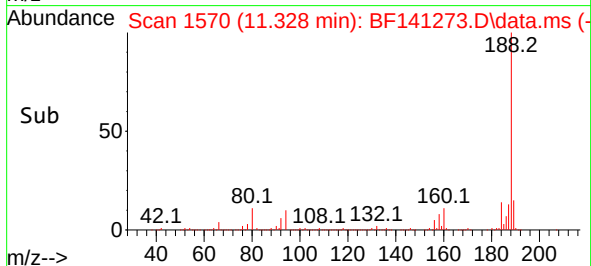
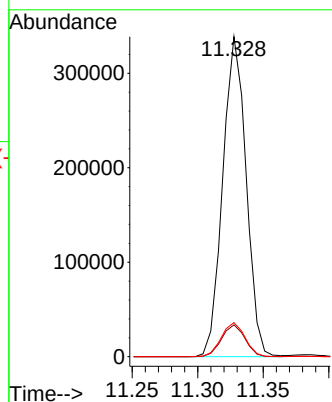
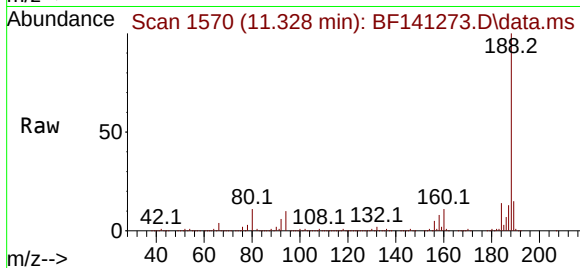
Tgt Ion:188 Resp: 419729

Ion Ratio Lower Upper

188 100

94 9.9 8.3 12.5

80 10.7 9.0 13.4



#67

4-Bromophenyl-phenylether

Concen: 6.046 ng

RT: 10.633 min Scan# 1452

Delta R.T. -0.259 min

Lab File: BF141273.D

Acq: 27 Jan 2025 15:31

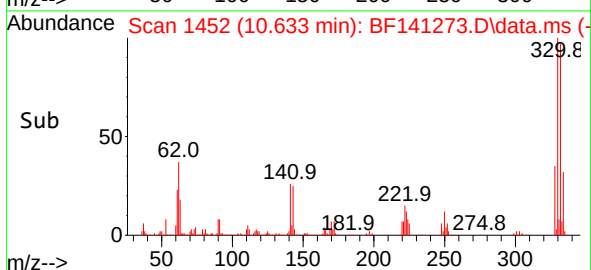
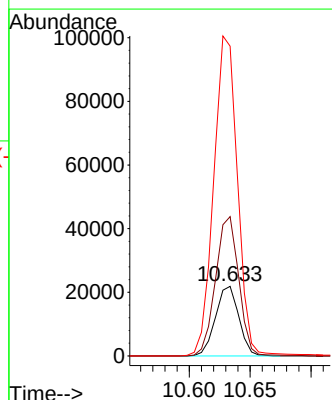
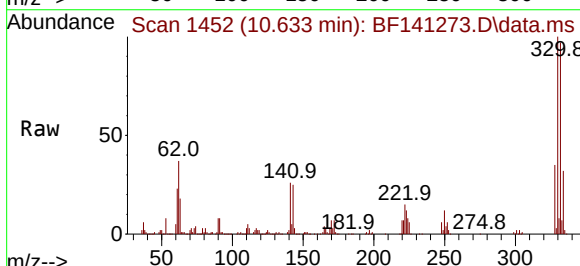
Tgt Ion:248 Resp: 29215

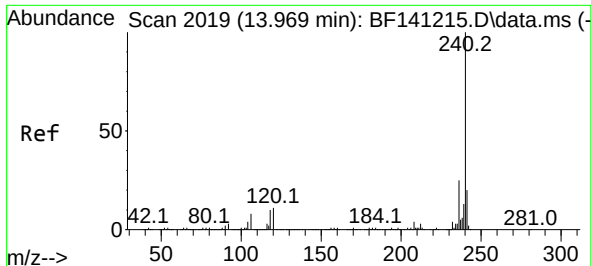
Ion Ratio Lower Upper

248 100

250 200.2 77.9 116.9#

141 444.9 59.9 89.9#

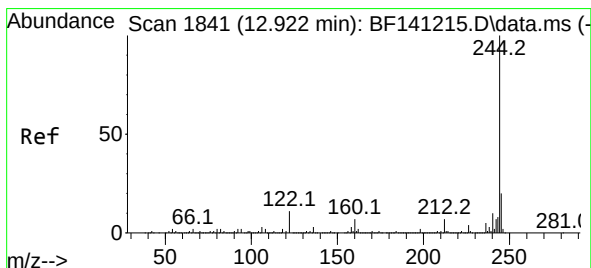
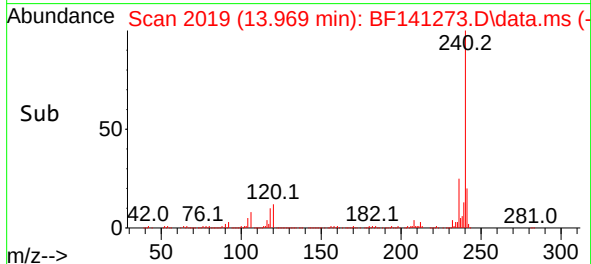
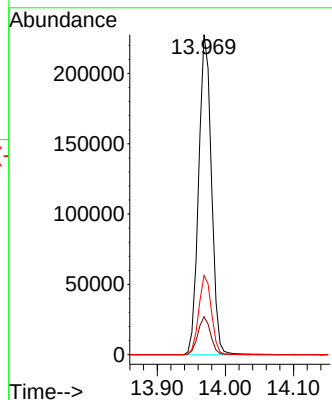
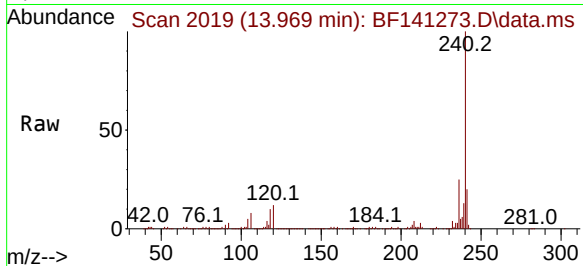




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2019
Delta R.T. -0.018 min
Lab File: BF141273.D
Acq: 27 Jan 2025 15:31

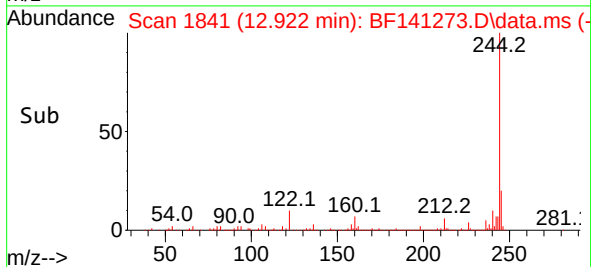
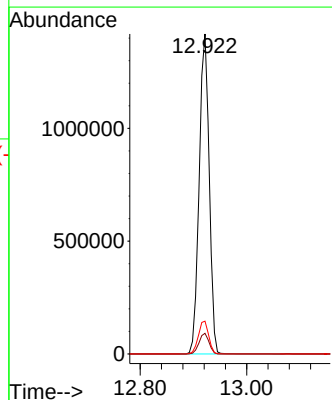
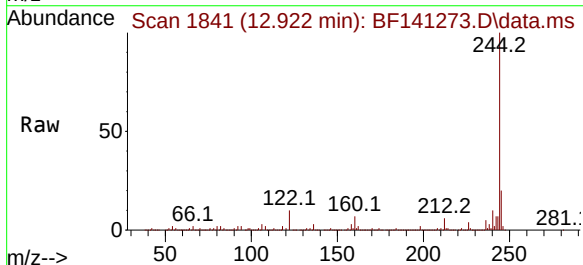
Instrument :
BNA_F
ClientSampleId :
ARS20-0006

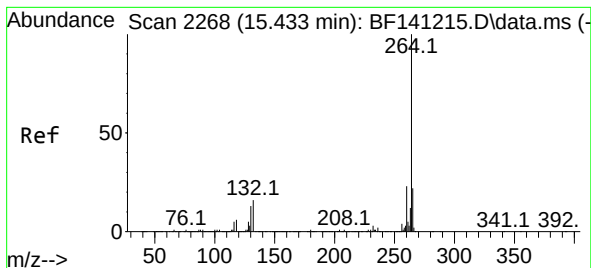
Tgt Ion:240 Resp: 296565
Ion Ratio Lower Upper
240 100
120 11.9 9.1 13.7
236 24.8 19.8 29.6



#79
Terphenyl-d14
Concen: 93.061 ng
RT: 12.922 min Scan# 1841
Delta R.T. -0.012 min
Lab File: BF141273.D
Acq: 27 Jan 2025 15:31

Tgt Ion:244 Resp: 1856868
Ion Ratio Lower Upper
244 100
212 6.4 5.4 8.2
122 10.3 8.8 13.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.433 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141273.D

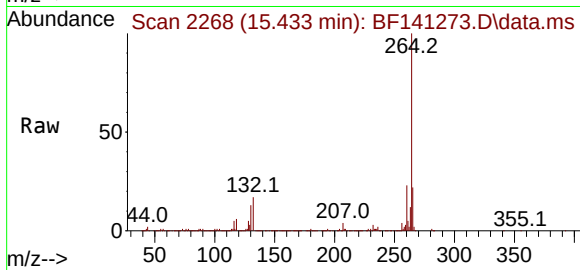
Acq: 27 Jan 2025 15:31

Instrument :

BNA_F

ClientSampleId :

ARS20-0006



Tgt Ion:264 Resp: 329855

Ion Ratio Lower Upper

264 100

260 23.2 18.6 28.0

265 21.7 17.4 26.0

